

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011320\
 Data File : VD064855.D
 Acq On : 13 Jan 2020 17:57
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/14/2020 1:28:36 PM

Quant Time: Jan 14 11:59:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	348667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	531403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	473908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	241531	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	186525	60.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.34%	
35) Dibromofluoromethane	7.92	113	180183	55.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.54%	
50) Toluene-d8	10.34	98	668356	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
62) 4-Bromofluorobenzene	12.64	95	219138	55.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	119147	43.971	ug/l	95
3) Chloromethane	2.21	50	196776	51.925	ug/l	100
4) Vinyl Chloride	2.35	62	227934	49.330	ug/l	99
5) Bromomethane	2.77	94	158070	47.050	ug/l	96
6) Chloroethane	2.92	64	161232	52.077	ug/l	98
7) Trichlorofluoromethane	3.27	101	377711	48.549	ug/l	100
8) Diethyl Ether	3.71	74	86239	55.820	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	165741	51.440	ug/l	98
10) Methyl Iodide	4.30	142	181889	52.555	ug/l	99
11) Tert butyl alcohol	5.26	59	54172	307.444	ug/l	97
12) 1,1-Dichloroethene	4.06	96	155284	50.622	ug/l	97
13) Acrolein	3.92	56	58289	237.369	ug/l	99
14) Allyl chloride	4.71	41	268870	56.218	ug/l	99
15) Acrylonitrile	5.43	53	198693	308.761	ug/l	97
16) Acetone	4.17	43	227948	372.635	ug/l	92
17) Carbon Disulfide	4.40	76	460830	46.460	ug/l	96
18) Methyl Acetate	4.72	43	105770	61.106	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	420701	61.746	ug/l	96
20) Methylene Chloride	4.96	84	199198	64.797	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	189515	54.249	ug/l	98
22) Diisopropyl ether	6.37	45	587765	61.614	ug/l	97
23) Vinyl Acetate	6.31	43	1648624	304.661	ug/l	98
24) 1,1-Dichloroethane	6.26	63	342394	59.788	ug/l	99
25) 2-Butanone	7.23	43	284704	336.885	ug/l	99
26) 2,2-Dichloropropane	7.21	77	287752	54.043	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	222062	58.899	ug/l	99
28) Bromochloromethane	7.55	49	136765	61.435	ug/l	98
29) Tetrahydrofuran	7.57	42	165670	315.231	ug/l	98
30) Chloroform	7.71	83	364950	60.740	ug/l	100
31) Cyclohexane	7.99	56	274756	47.929	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	318719	56.476	ug/l	100
36) 1,1-Dichloropropene	8.11	75	262966	51.413	ug/l	99
37) Ethyl Acetate	7.30	43	120529	59.985	ug/l	99
38) Carbon Tetrachloride	8.10	117	286679	52.565	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	298654	48.210	ug/l	96
40) Benzene	8.36	78	773898	55.426	ug/l	98
41) Methacrylonitrile	7.53	41	69298	59.442	ug/l	95
42) 1,2-Dichloroethane	8.43	62	236847	58.700	ug/l	98
43) Isopropyl Acetate	8.46	43	233226	58.315	ug/l	99
44) Trichloroethene	9.11	130	212479	51.801	ug/l	98
45) 1,2-Dichloropropane	9.39	63	192464	57.732	ug/l	95
46) Dibromomethane	9.48	93	105701	56.868	ug/l	99
47) Bromodichloromethane	9.67	83	289804	58.595	ug/l	98
48) Methyl methacrylate	9.46	41	105923	56.248	ug/l	87
49) 1,4-Dioxane	9.47	88	25231	1177.259	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	607807	307.467	ug/l	100
52) Toluene	10.41	92	504386	55.060	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	266650	57.827	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	315231	57.977	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	146953	58.666	ug/l	95
56) Ethyl methacrylate	10.67	69	188064	60.117	ug/l	97
57) 1,3-Dichloropropane	10.95	76	251874	58.400	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	320011	268.498	ug/l	99
59) 2-Hexanone	10.99	43	433541	323.126	ug/l	99
60) Dibromochloromethane	11.14	129	198422	57.282	ug/l	98
61) 1,2-Dibromoethane	11.25	107	143026	57.890	ug/l	100
64) Tetrachloroethene	10.88	164	208017	57.214	ug/l	95
65) Chlorobenzene	11.67	112	543070	55.213	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	216699	58.441	ug/l	97
67) Ethyl Benzene	11.75	91	973765	54.544	ug/l	99
68) m/p-Xylenes	11.86	106	761033	110.442	ug/l	100
69) o-Xylene	12.18	106	344230	55.306	ug/l	98
70) Styrene	12.20	104	626159	57.314	ug/l	99
71) Bromoform	12.37	173	121022	57.232	ug/l #	100
73) Isopropylbenzene	12.48	105	921512	53.389	ug/l	100
74) N-amyl acetate	12.30	43	217650	58.990	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	155880	57.490	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	123785m	64.901	ug/l	
77) Bromobenzene	12.77	156	231666	54.624	ug/l	97
78) n-propylbenzene	12.83	91	1072640	53.269	ug/l	99
79) 2-Chlorotoluene	12.91	91	599891	54.231	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	764051	53.888	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	50749	55.650	ug/l	96
82) 4-Chlorotoluene	13.01	91	642171	54.552	ug/l	100
83) tert-Butylbenzene	13.23	119	649975	52.798	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	766176	54.258	ug/l	100
85) sec-Butylbenzene	13.41	105	891717	52.836	ug/l	99
86) p-Isopropyltoluene	13.52	119	843867	52.292	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	439563	54.368	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	423254	53.290	ug/l	99
89) n-Butylbenzene	13.85	91	752113	51.754	ug/l	99
90) Hexachloroethane	14.12	117	165010	53.529	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	371077	53.825	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	24743	56.291	ug/l	97

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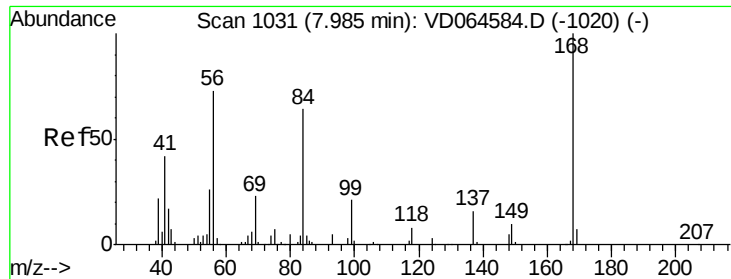
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	261563	51.527	ug/l	99
94) Hexachlorobutadiene	15.28	225	155440	48.661	ug/l	99
95) Naphthalene	15.41	128	435926	54.283	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	225184	51.963	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064855.D

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Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 348667

Ion Ratio Lower Upper

168 100

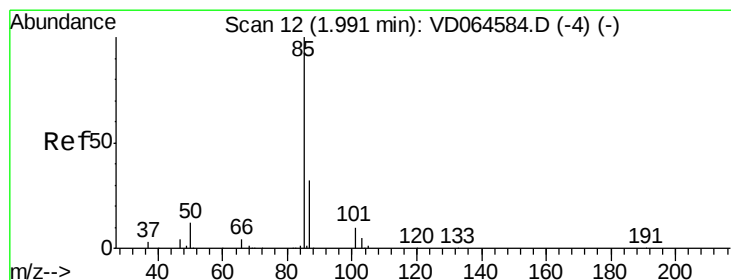
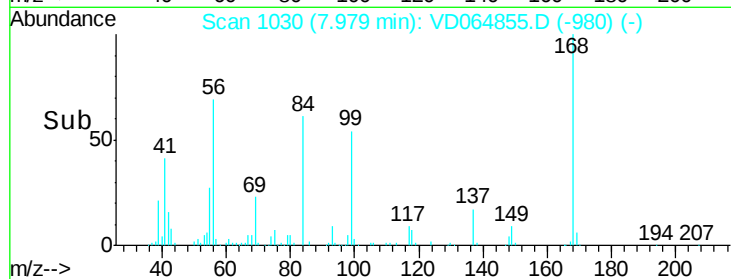
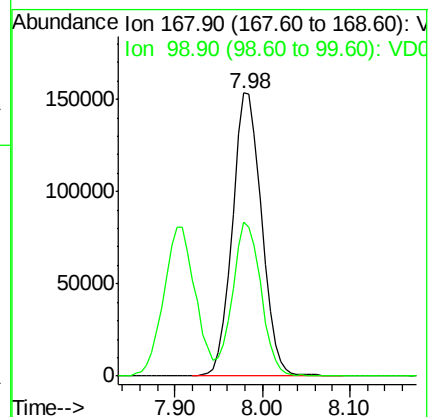
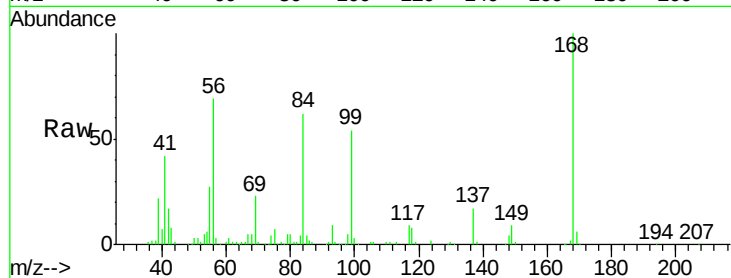
99 54.0 41.8 62.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 43.971 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064855.D

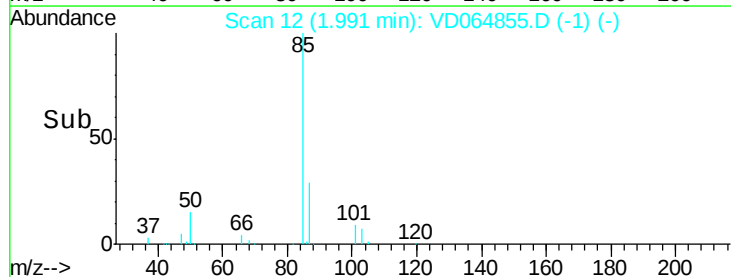
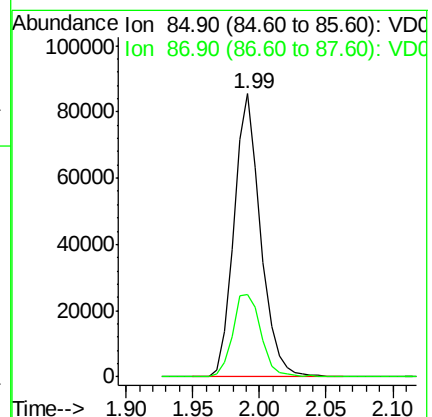
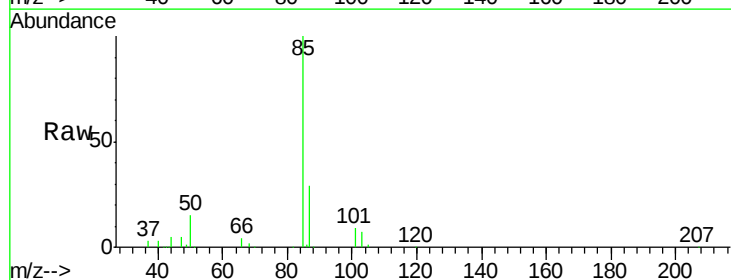
Acq: 13 Jan 2020 17:57

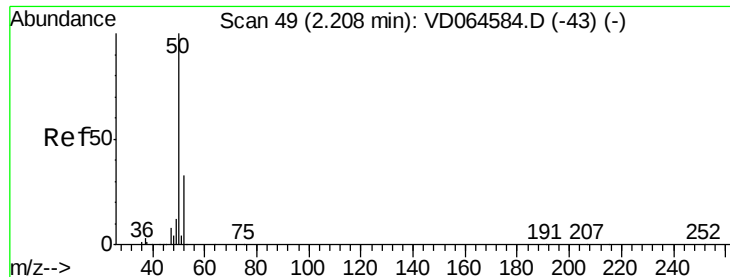
Tgt Ion: 85 Resp: 119147

Ion Ratio Lower Upper

85 100

87 29.3 16.1 48.2





#3

Chloromethane

Concen: 51.925 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 196776

Ion Ratio Lower Upper

50 100

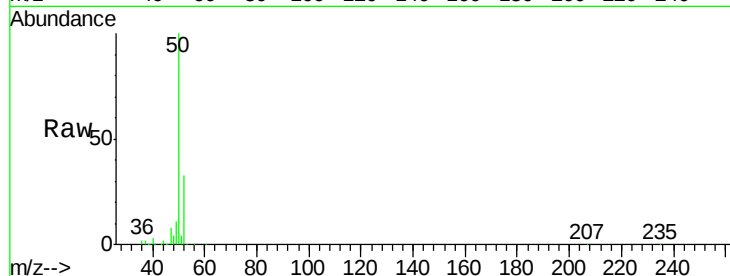
52 33.3 26.5 39.7

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

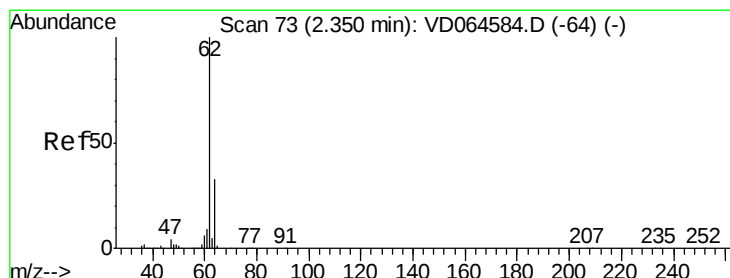
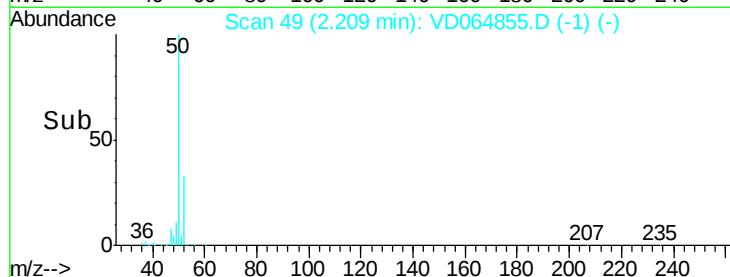
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 49.330 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064855.D

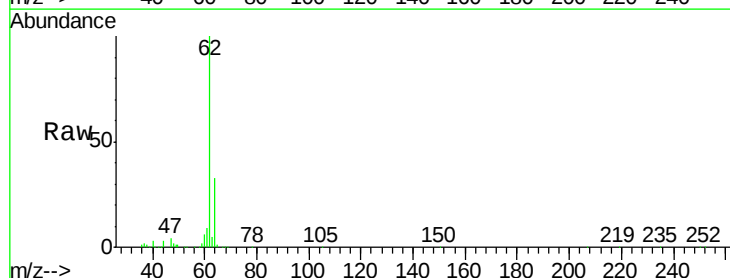
Acq: 13 Jan 2020 17:57

Tgt Ion: 62 Resp: 227934

Ion Ratio Lower Upper

62 100

64 32.6 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

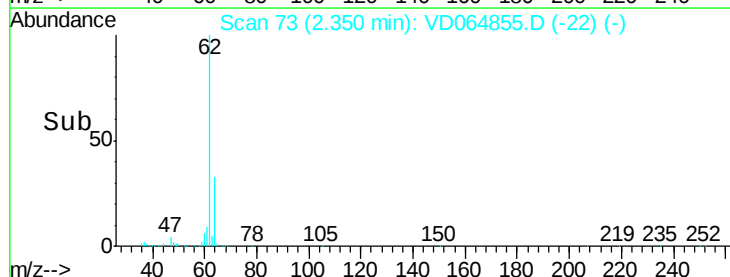
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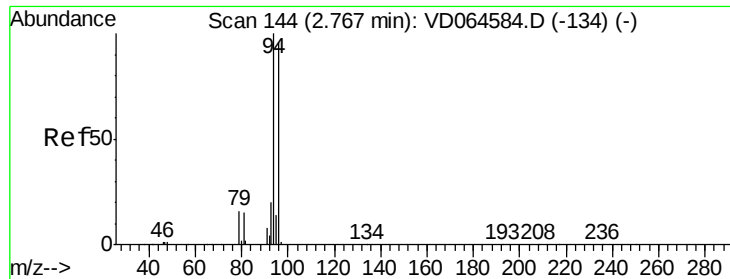
100000

50000

0

Time-->





#5

Bromomethane

Concen: 47.050 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 158070

Ion Ratio Lower Upper

94 100

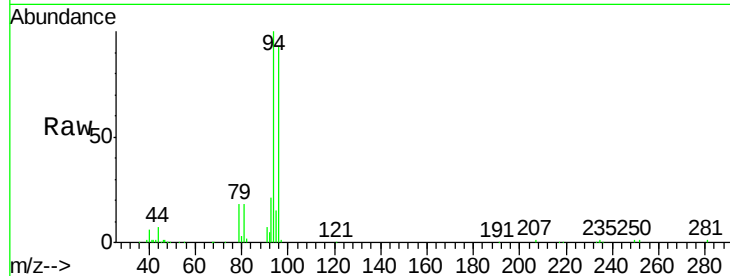
96 92.6 77.2 115.8

Manual Integrations

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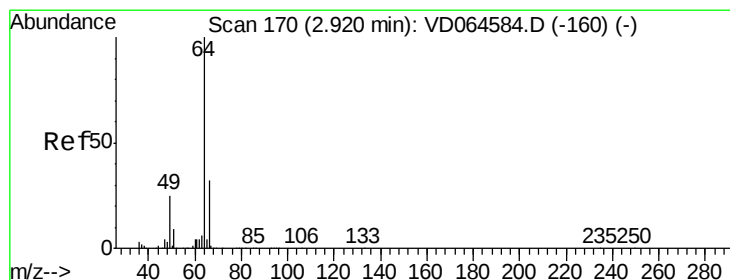
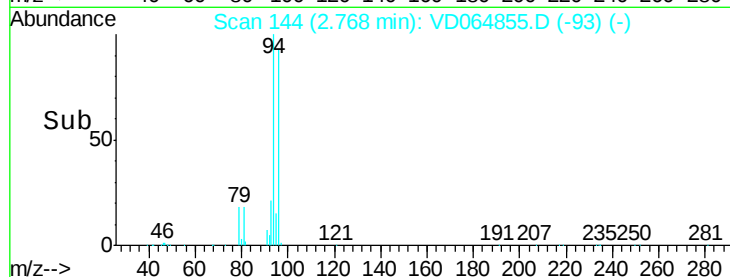
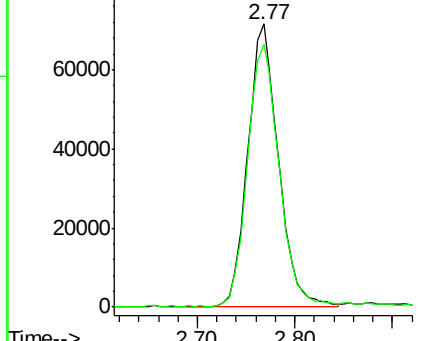
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 52.077 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064855.D

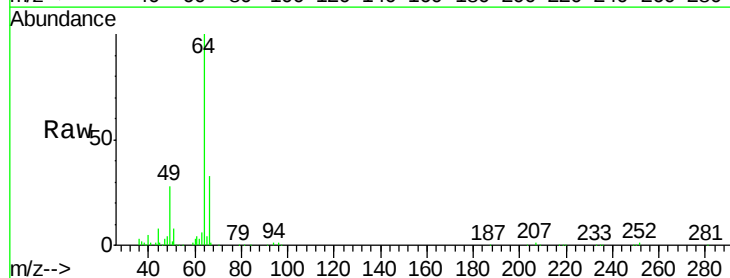
Acq: 13 Jan 2020 17:57

Tgt Ion: 64 Resp: 161232

Ion Ratio Lower Upper

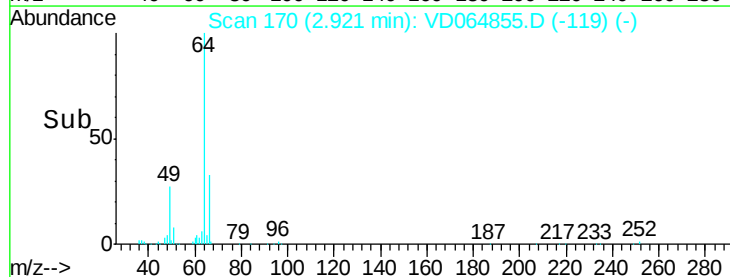
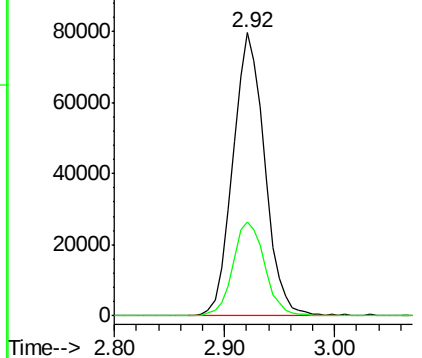
64 100

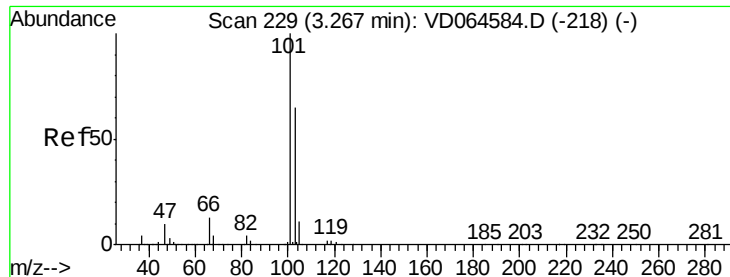
66 33.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

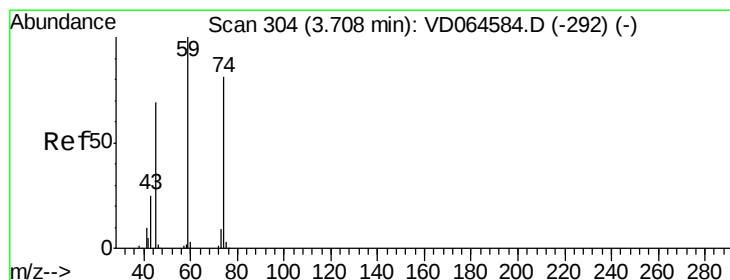
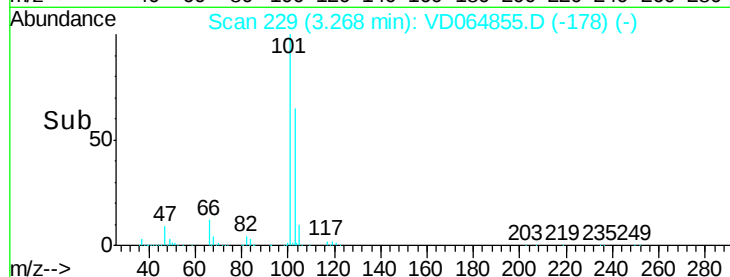
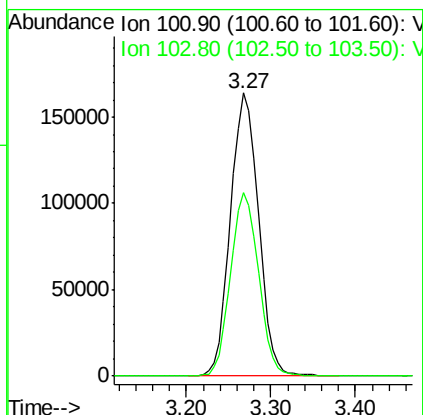
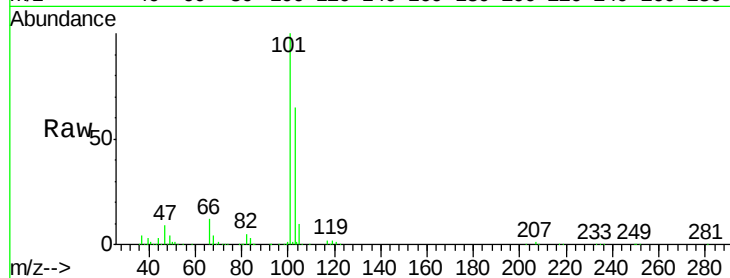
Trichlorofluoromethane
Concen: 48.549 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.2	78.4

Manual Integrations
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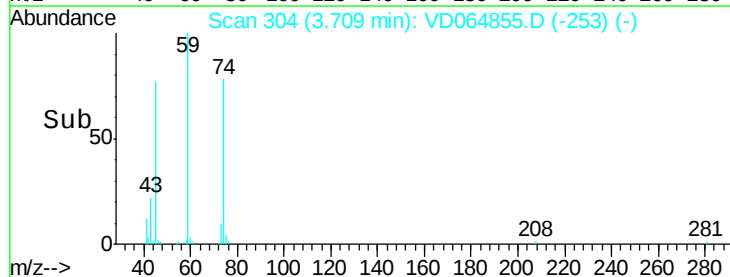
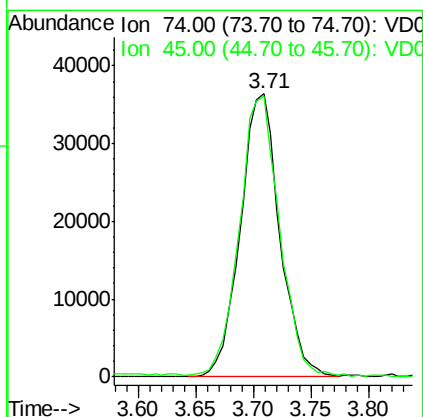
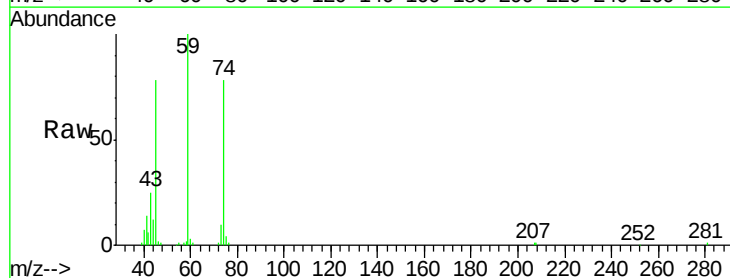
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1/14/2020 1:28:36 PM

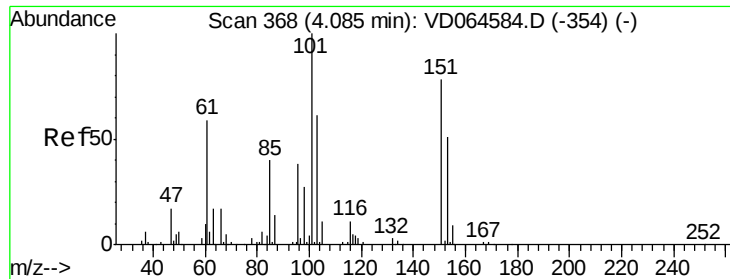


#8

Diethyl Ether
Concen: 55.820 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.2	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.440 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

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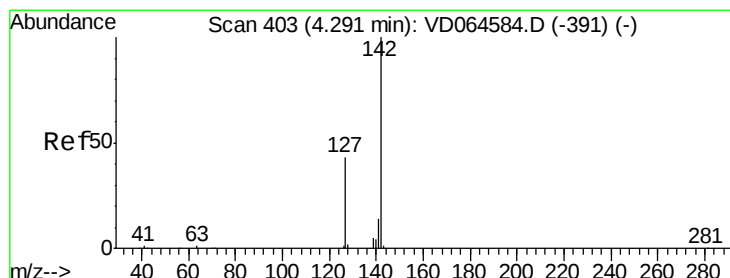
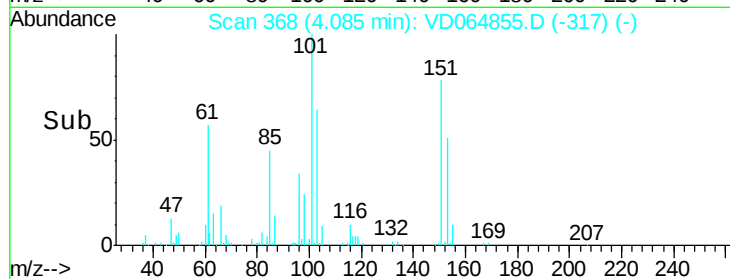
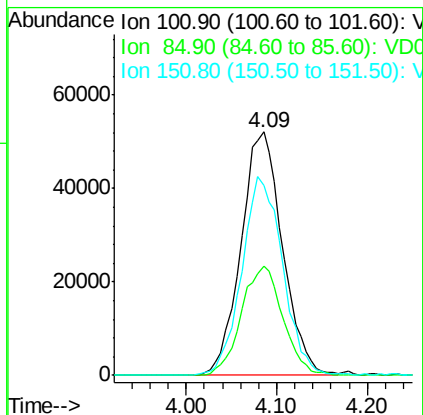
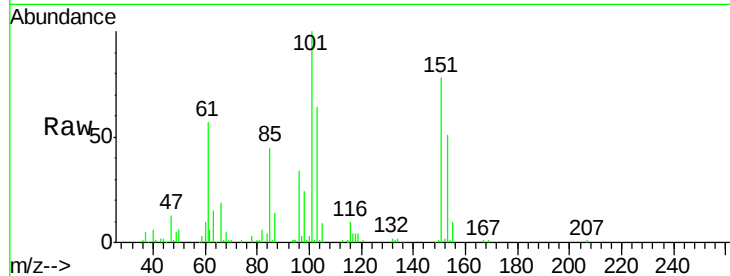
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	165741
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.2	52.8
151	80.3	66.2	99.4

Manual Integrations
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#10

Methyl Iodide

Concen: 52.555 ug/l

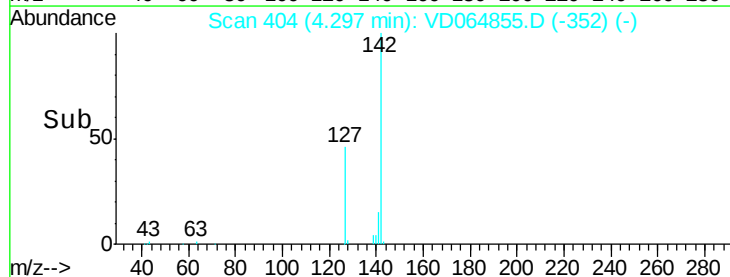
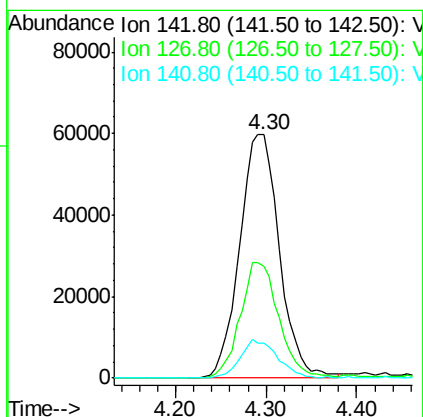
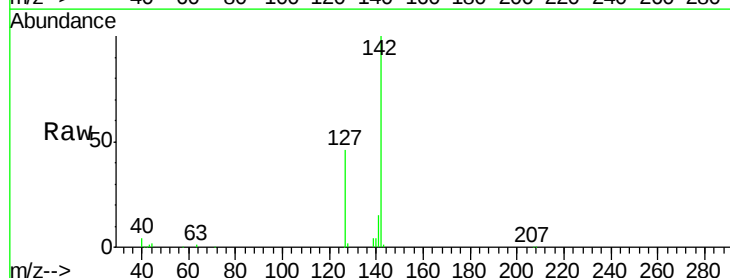
RT: 4.30 min Scan# 404

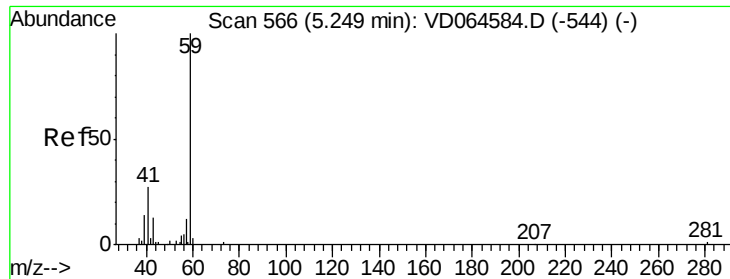
Delta R.T. 0.01 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Tgt Ion:	142	Resp:	181889
Ion Ratio	Lower	Upper	
142	100		
127	46.2	36.2	54.4
141	15.0	11.8	17.8





#11

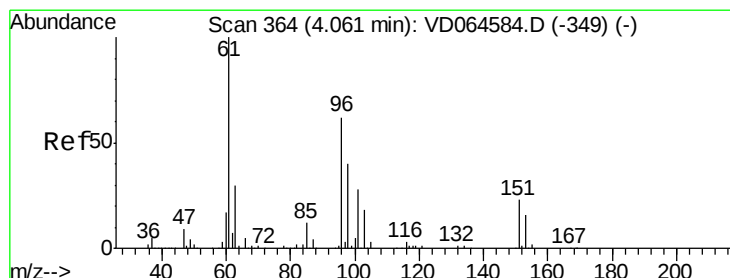
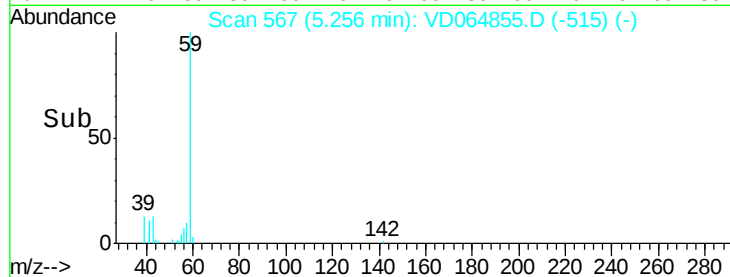
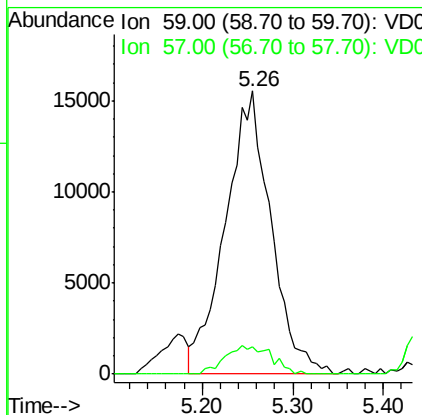
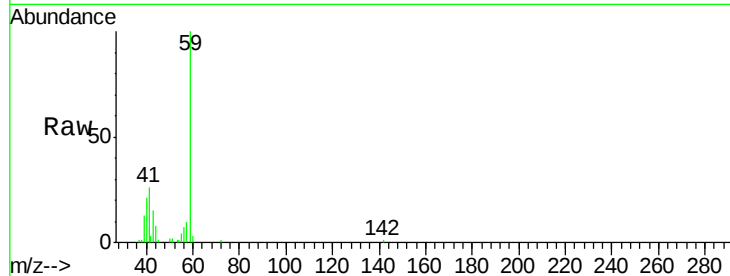
Tert butyl alcohol
Concen: 307.444 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	9.3	13.9

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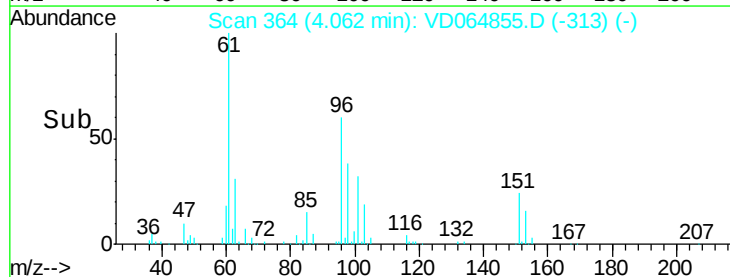
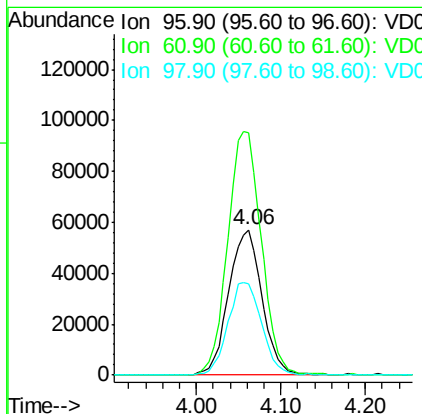
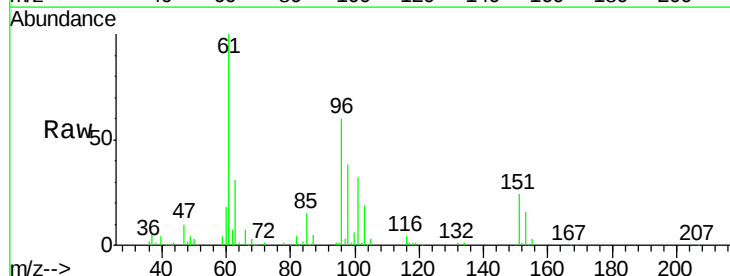
MMDadoda
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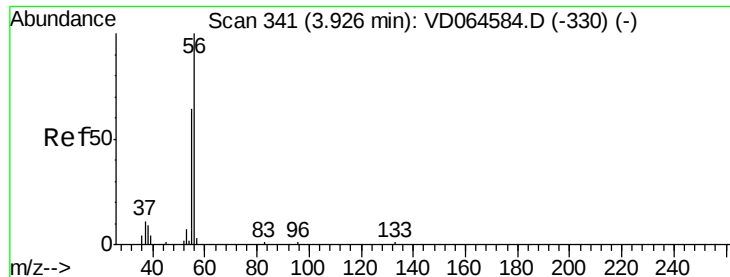


#12

1,1-Dichloroethene
Concen: 50.622 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.4	129.4	194.0
98	63.0	51.4	77.0





#13

Acrolein

Concen: 237.369 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 58289

Ion Ratio Lower Upper

56 100

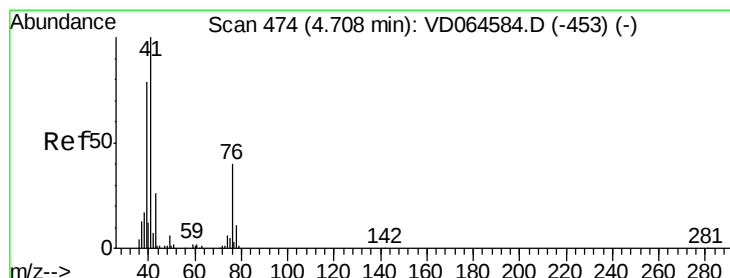
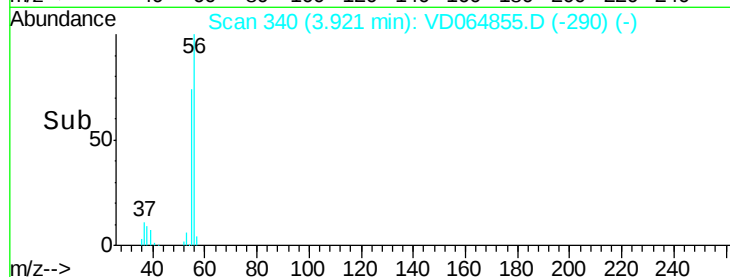
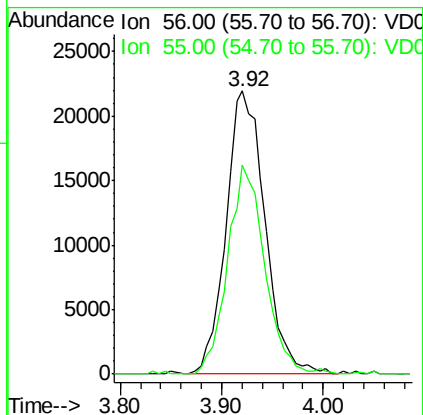
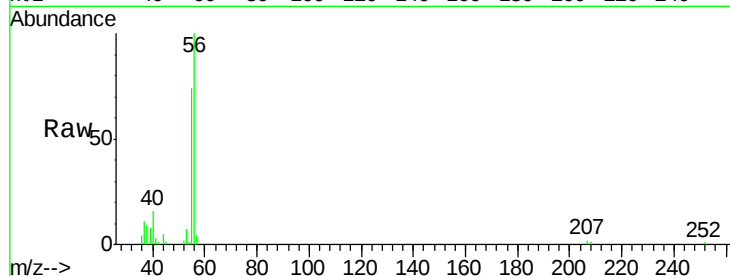
55 70.1 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 56.218 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

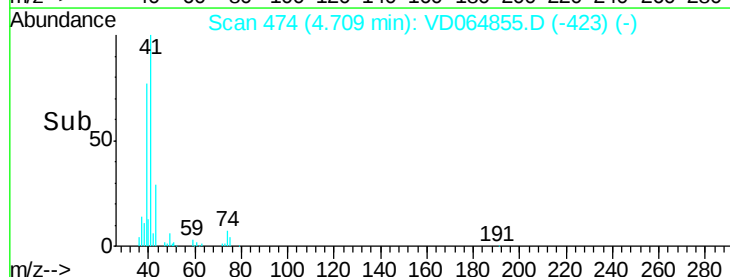
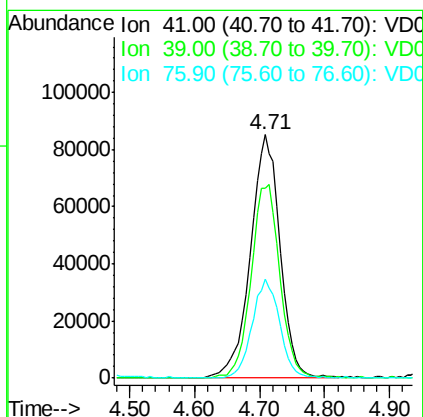
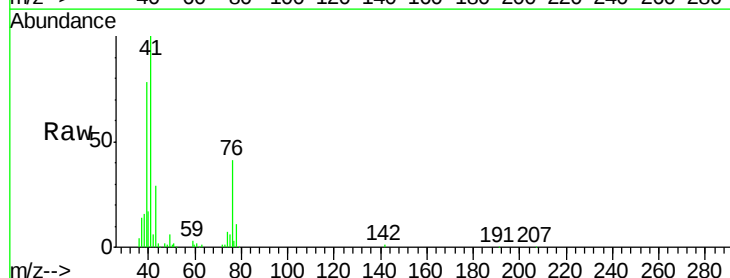
Tgt Ion: 41 Resp: 268870

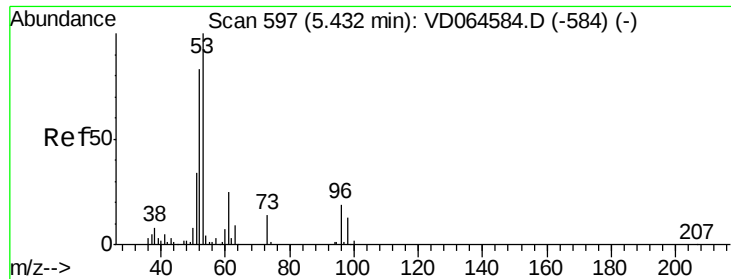
Ion Ratio Lower Upper

41 100

39 77.0 62.3 93.5

76 37.6 29.7 44.5





#15

Acrylonitrile

Concen: 308.761 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

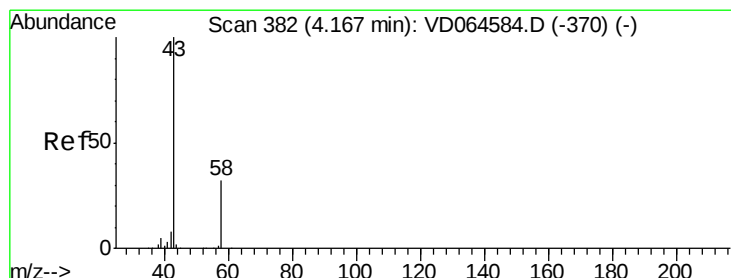
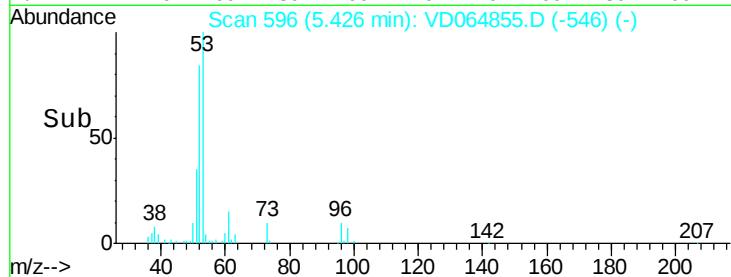
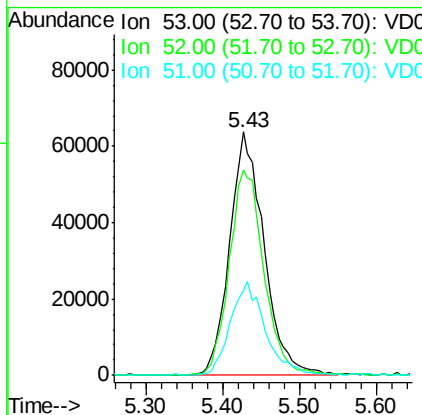
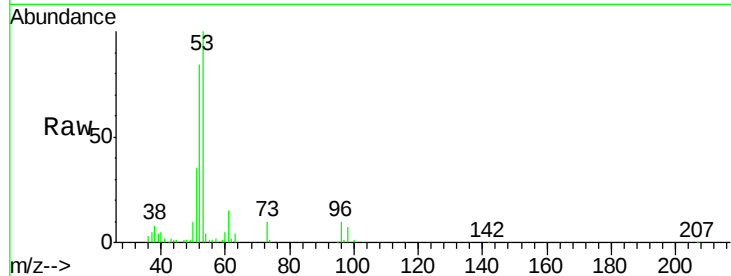
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	198693
Ion Ratio		Lower	Upper
53	100		
52	85.1	66.2	99.2
51	39.2	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 372.635 ug/l

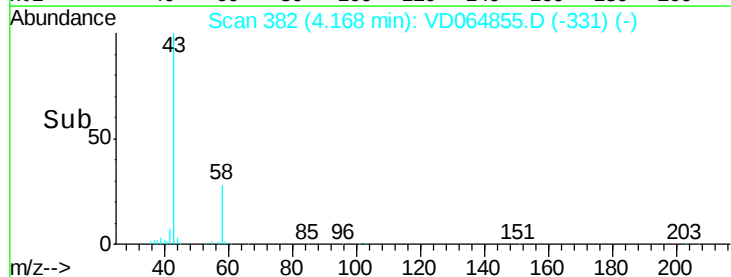
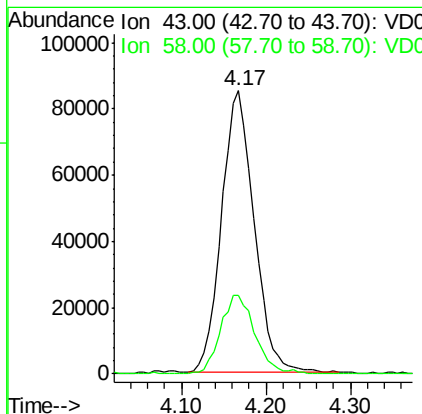
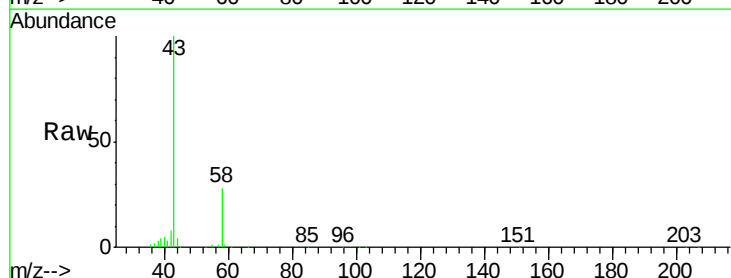
RT: 4.17 min Scan# 382

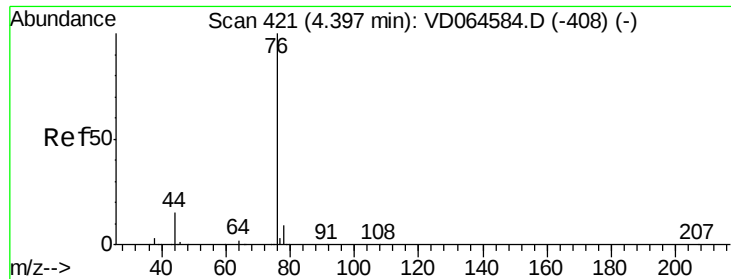
Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Tgt Ion:	43	Resp:	227948
Ion Ratio		Lower	Upper
43	100		
58	27.5	25.8	38.6





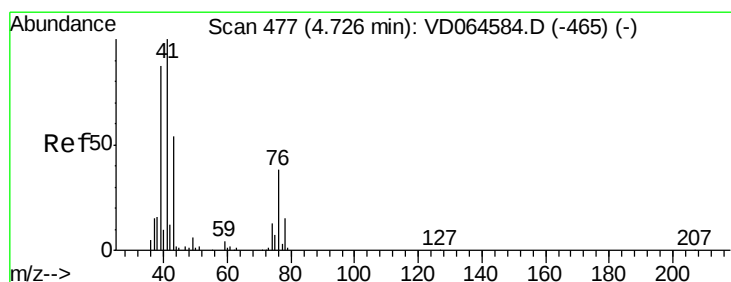
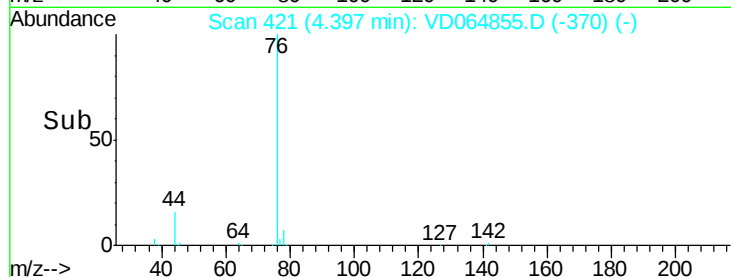
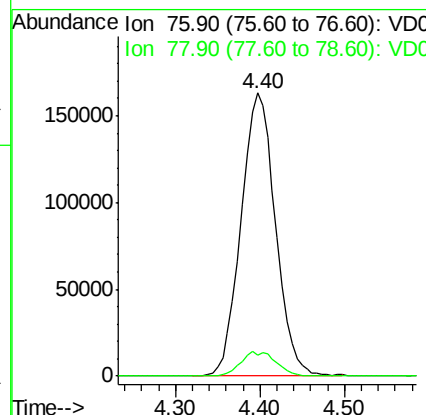
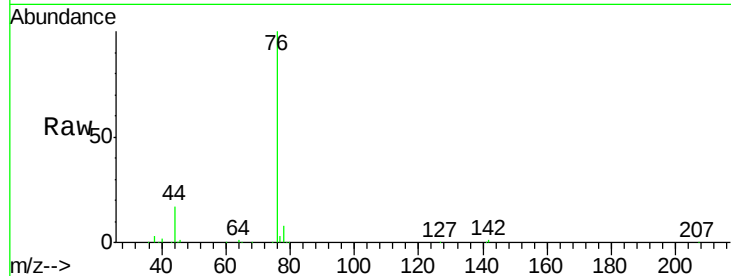
#17
Carbon Disulfide
Concen: 46.460 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.6	7.3	10.9

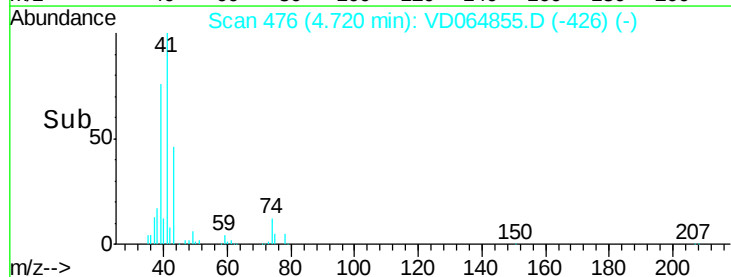
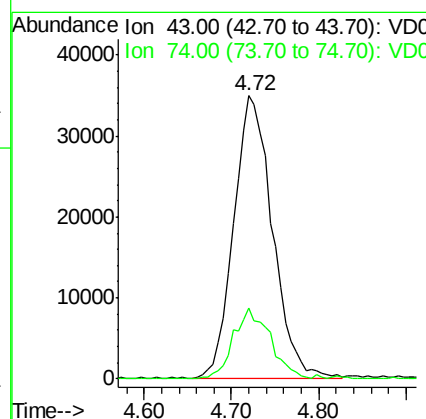
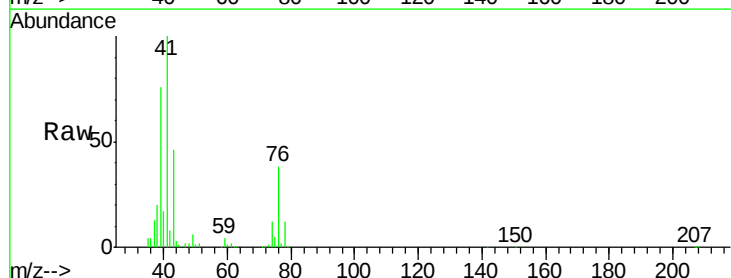
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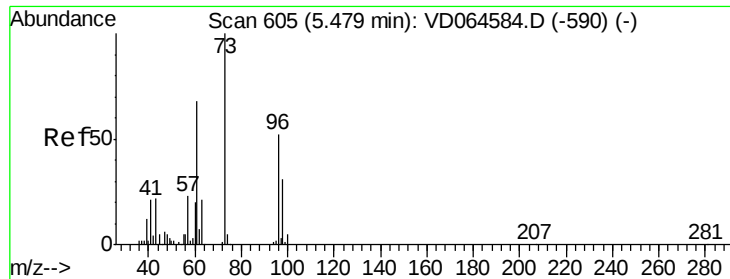
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#18
Methyl Acetate
Concen: 61.106 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.2	28.8





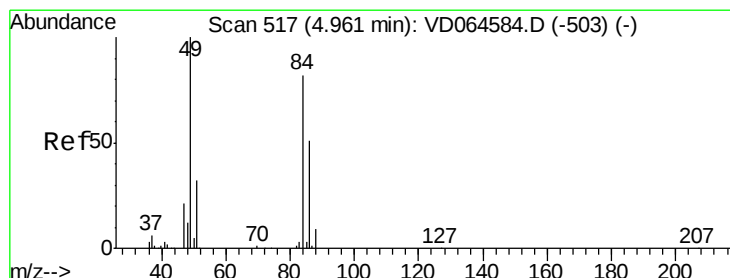
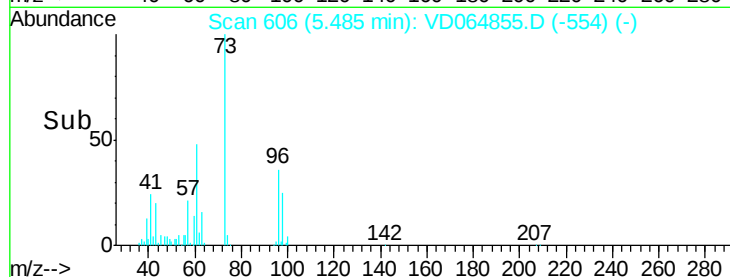
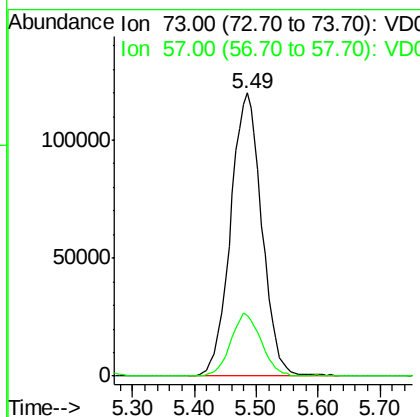
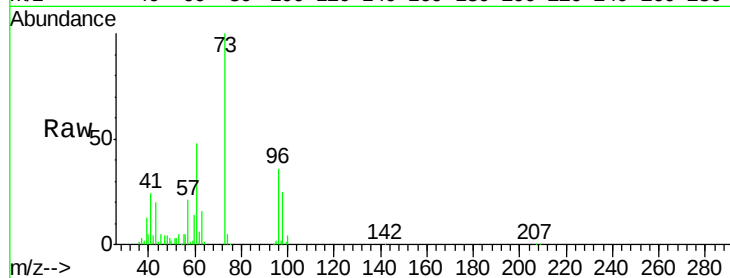
#19
Methvl tert-butvl Ether
Concen: 61.746 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 420701
Ion Ratio Lower Upper
73 100
57 21.5 18.6 27.8

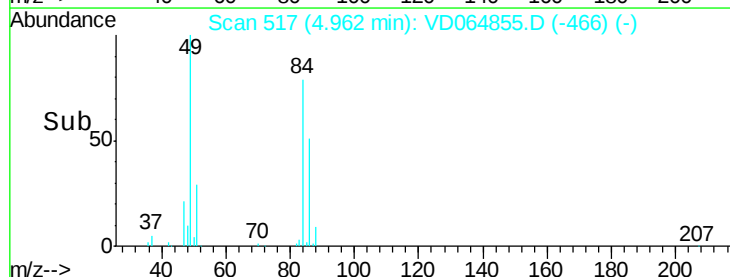
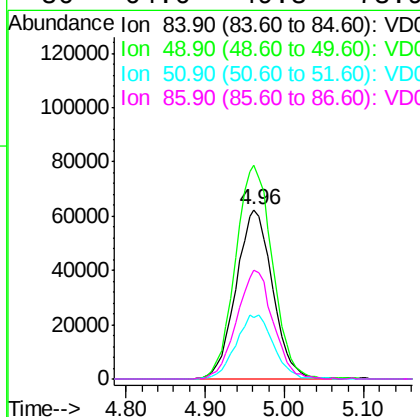
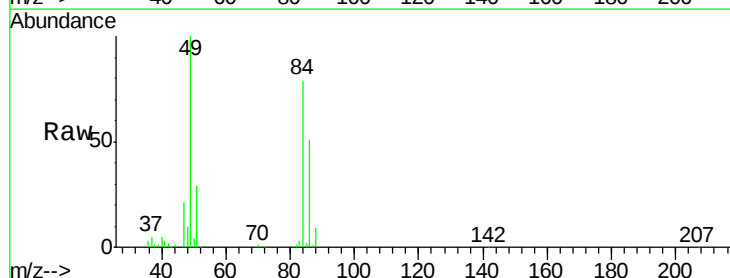
Manual Integrations
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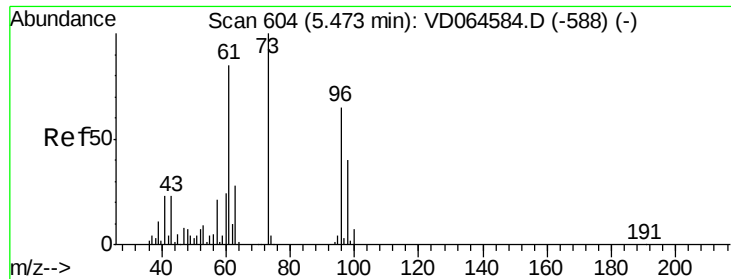
MMDadoda
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#20
Methylene Chloride
Concen: 64.797 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion: 84 Resp: 199198
Ion Ratio Lower Upper
84 100
49 126.3 97.2 145.8
51 36.6 31.4 47.0
86 64.6 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 54.249 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

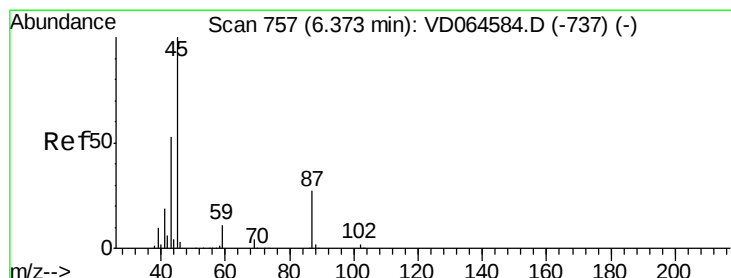
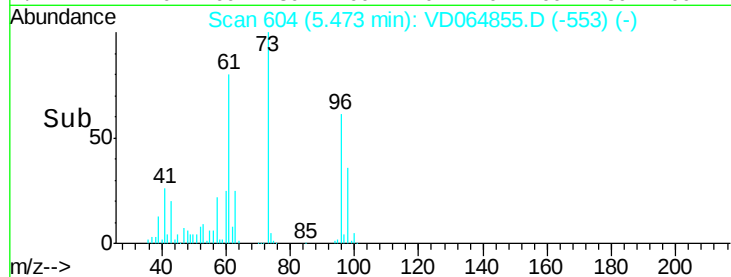
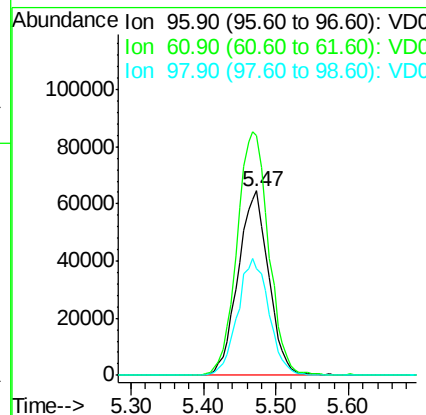
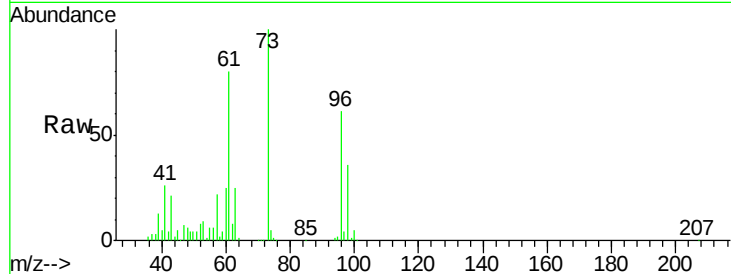
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	189515
Ion	Ratio	Lower	Upper
96	100		
61	129.7	104.7	157.1
98	58.0	49.4	74.2

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#22

Diisopropyl ether

Concen: 61.614 ug/l

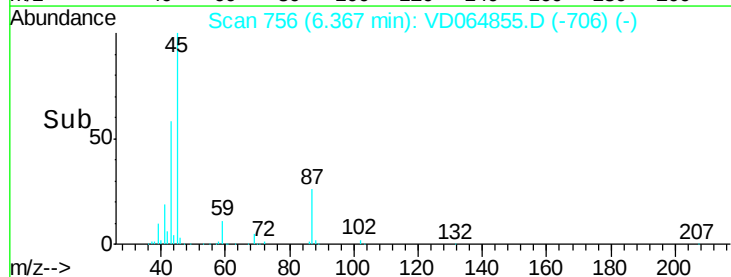
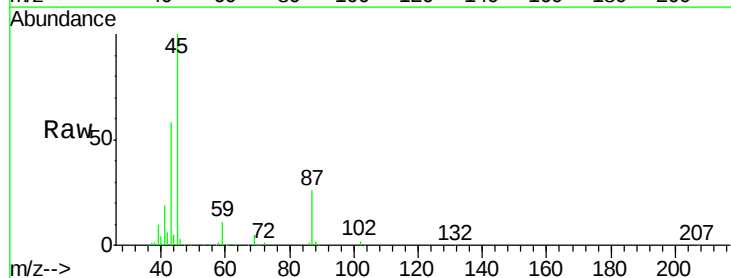
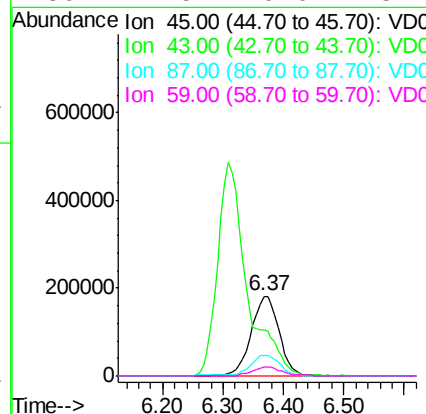
RT: 6.37 min Scan# 756

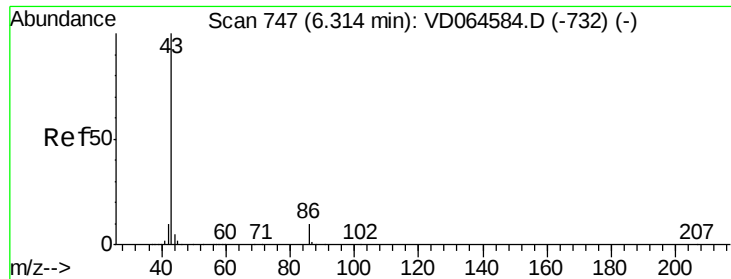
Delta R.T. -0.01 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Tgt Ion:	45	Resp:	587765
Ion	Ratio	Lower	Upper
45	100		
43	56.8	43.2	64.8
87	26.1	21.9	32.9
59	11.5	9.0	13.4





#23

Vinyl Acetate

Concen: 304.661 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1648624

Ion Ratio Lower Upper

43 100

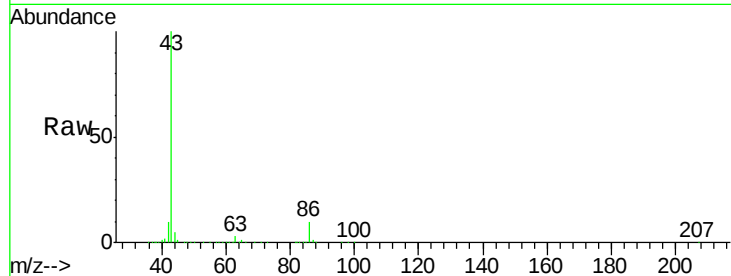
86 9.8 8.3 12.5

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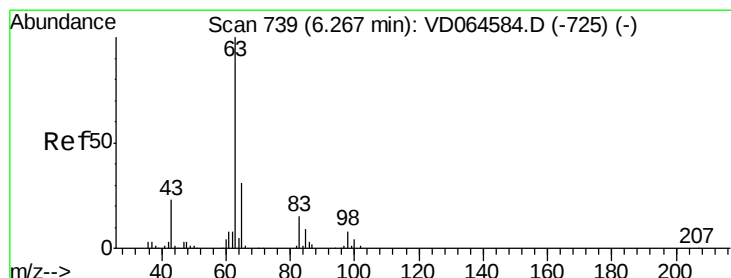
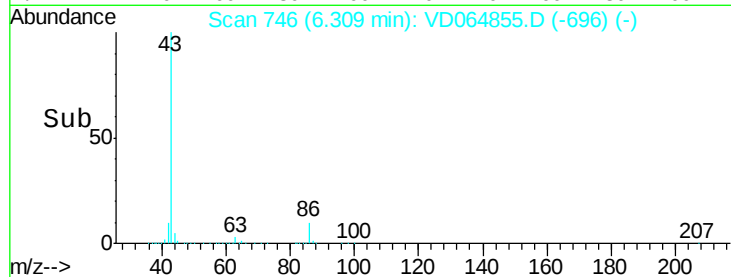
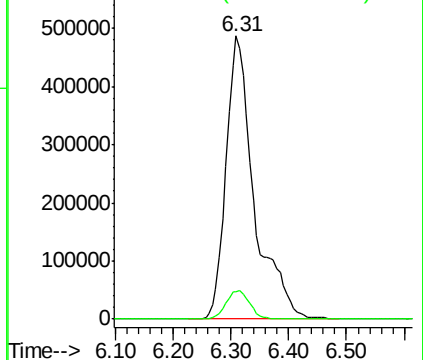
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 59.788 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

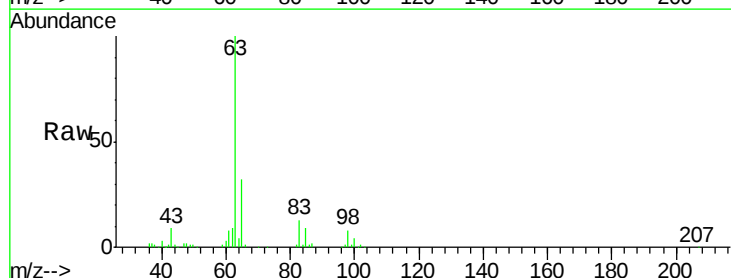
Tgt Ion: 63 Resp: 342394

Ion Ratio Lower Upper

63 100

98 7.8 4.1 12.3

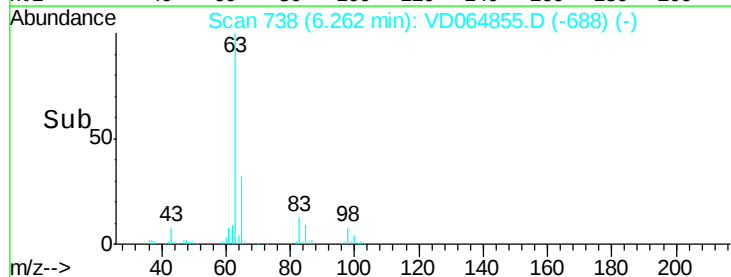
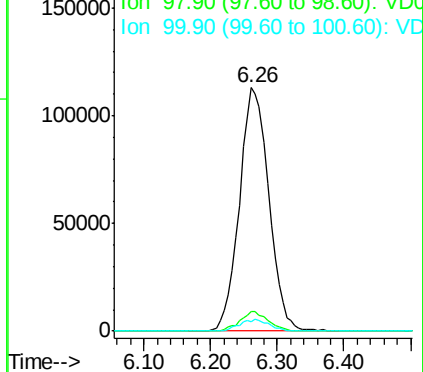
100 4.0 2.2 6.6

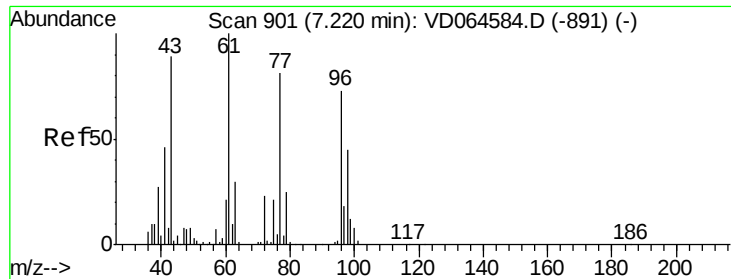


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 336.885 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 284704

Ion Ratio Lower Upper

43 100

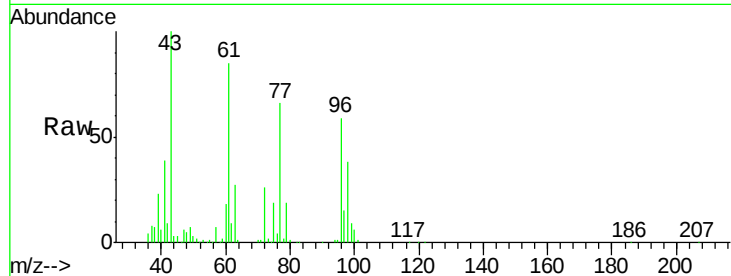
72 25.5 20.7 31.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.23

120000

100000

80000

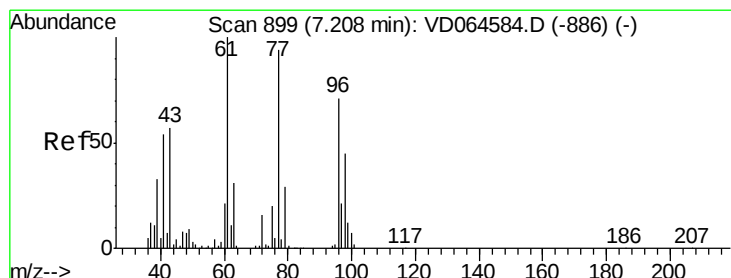
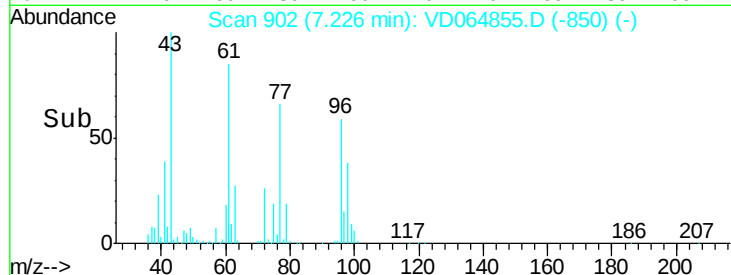
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 54.043 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064855.D

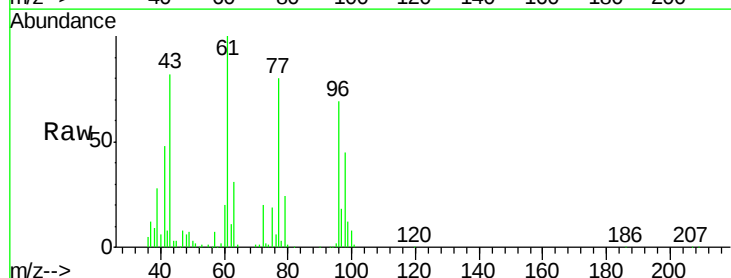
Acq: 13 Jan 2020 17:57

Tgt Ion: 77 Resp: 287752

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

100000

80000

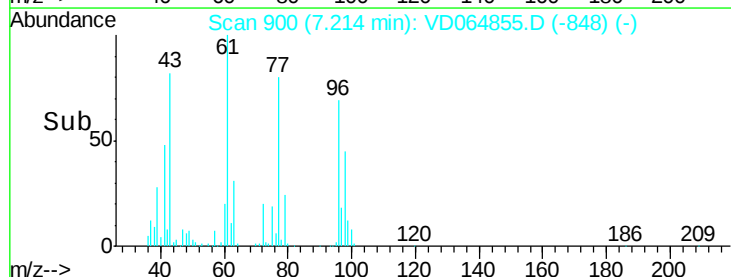
60000

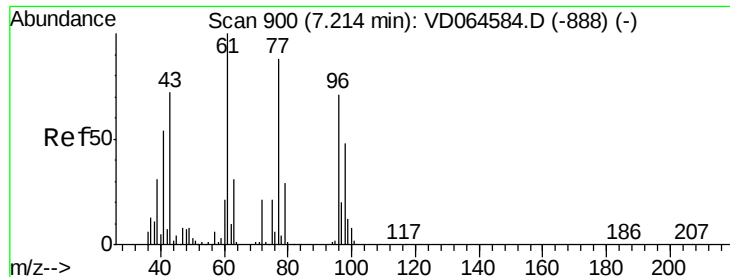
40000

20000

0

Time-->





#27

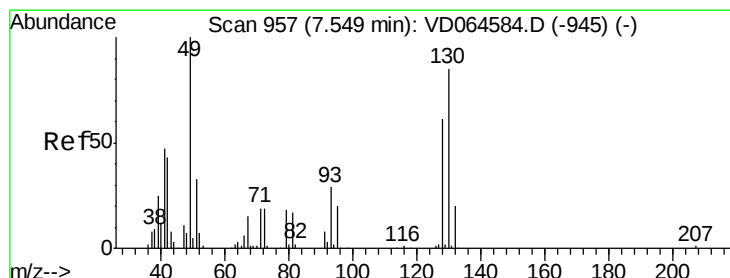
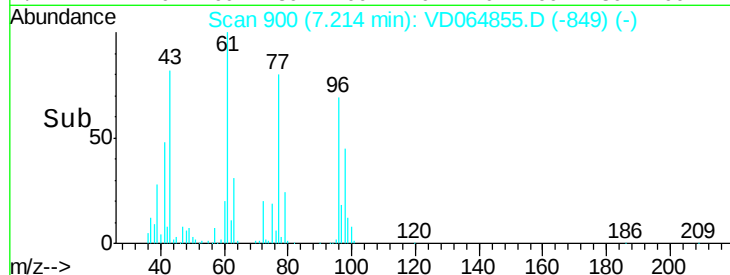
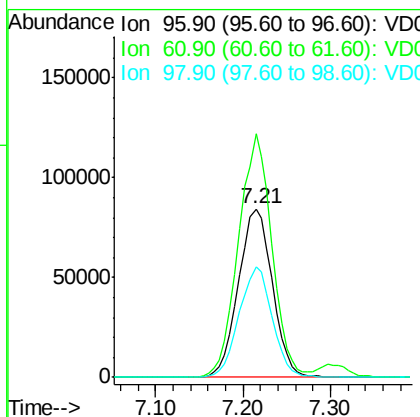
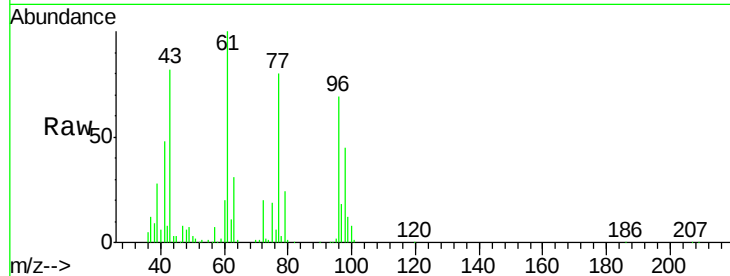
cis-1,2-Dichloroethene
Concen: 58.899 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.3	0.0	282.6
98	63.9	0.0	130.8

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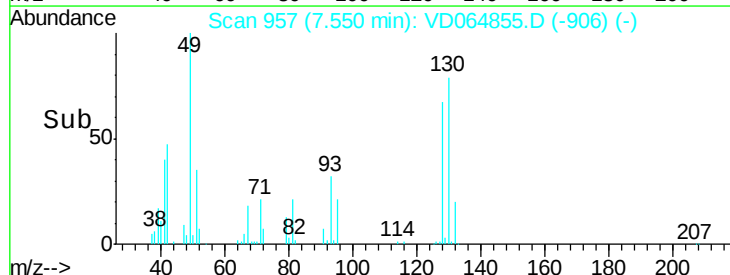
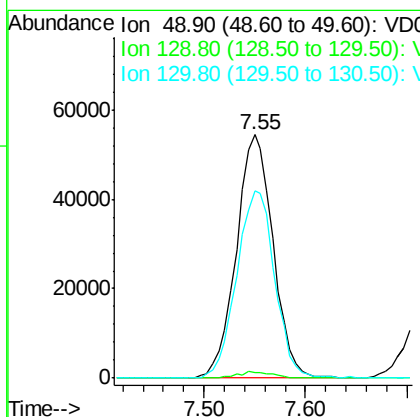
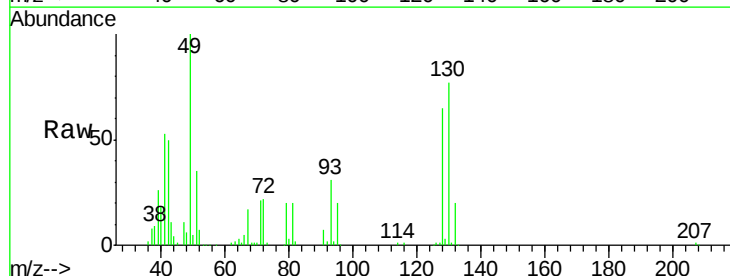
MMDadoda
1/14/2020 1:28:36 PM

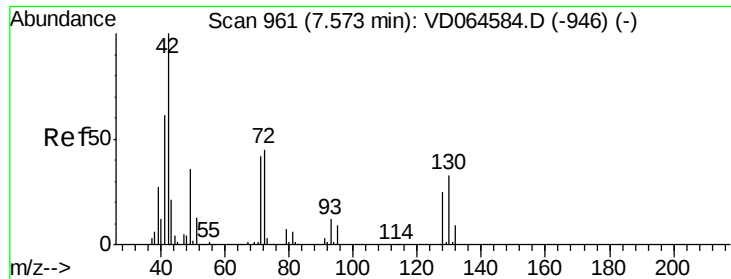


#28

Bromochloromethane
Concen: 61.435 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	79.6	65.0	97.6





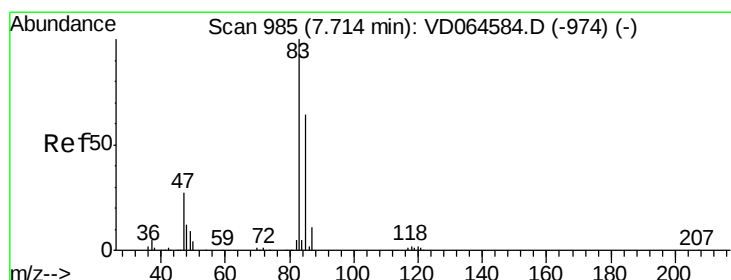
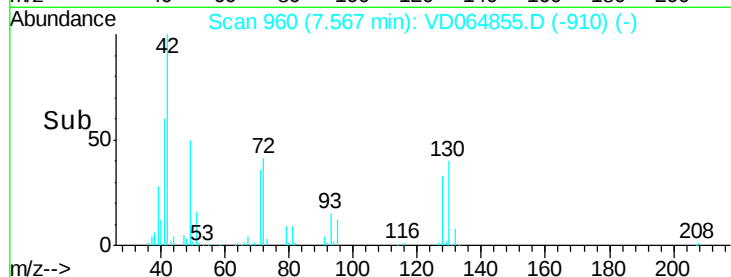
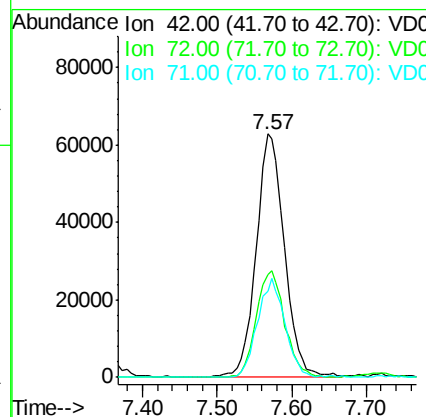
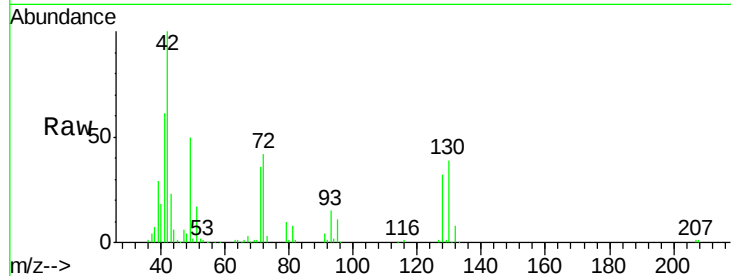
#29
Tetrahydrofuran
Concen: 315.231 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	35.0	52.4
71	39.3	32.9	49.3

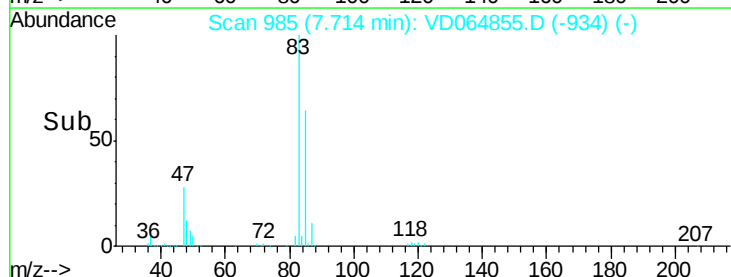
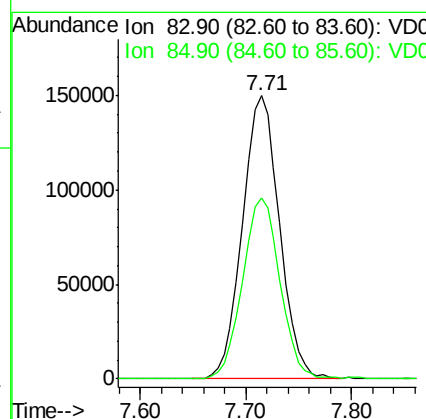
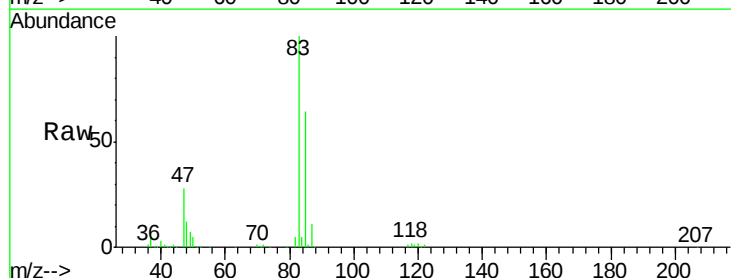
Manual Integrations
APPROVED

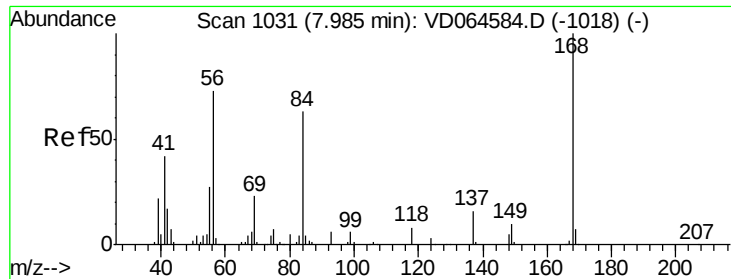
MMDadoda
1/14/2020 1:28:36 PM



#30
Chloroform
Concen: 60.740 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.1	76.7





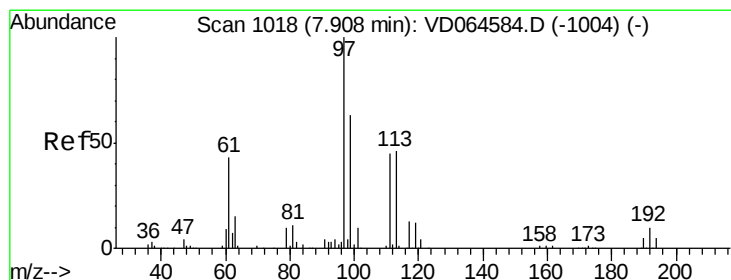
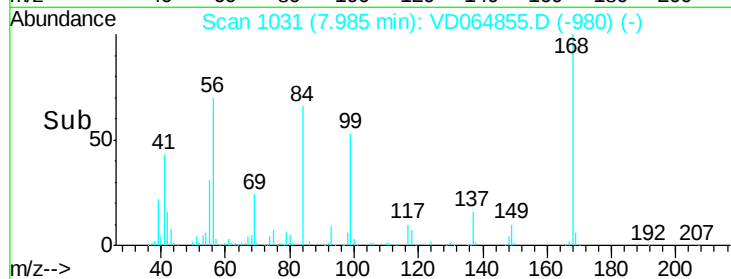
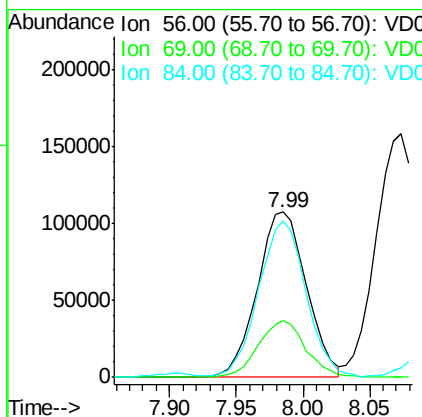
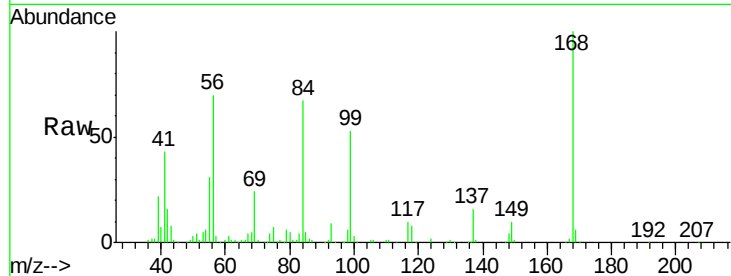
#31
Cyclohexane
Concen: 47.929 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.1	24.7	37.1
84	93.1	69.4	104.2

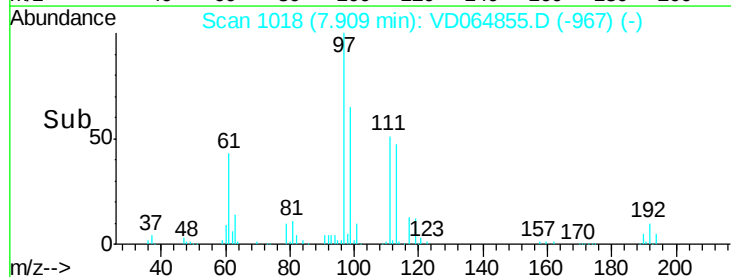
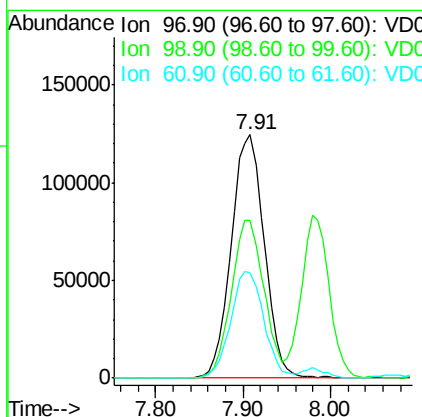
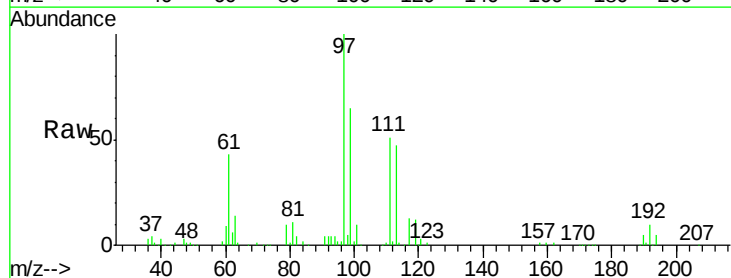
Manual Integrations
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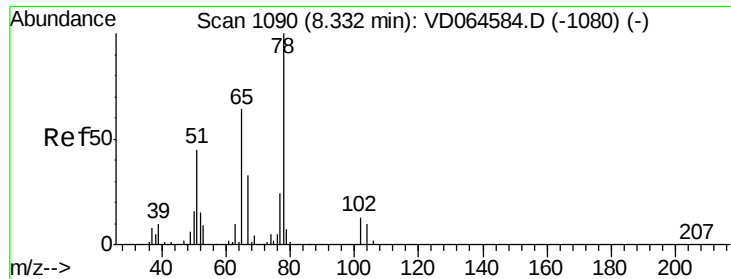
MMDadoda
1/14/2020 1:28:36 PM



#32
1,1,1-Trichloroethane
Concen: 56.476 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	44.1	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 60.668 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 186525

Ion Ratio Lower Upper

65 100

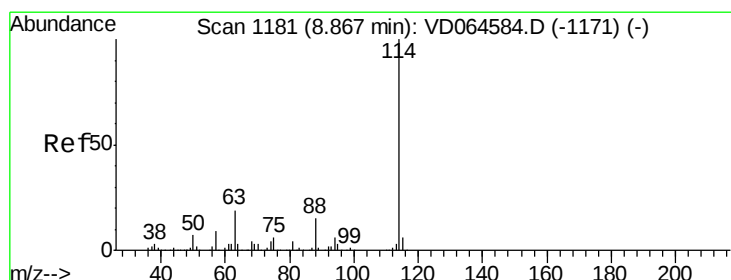
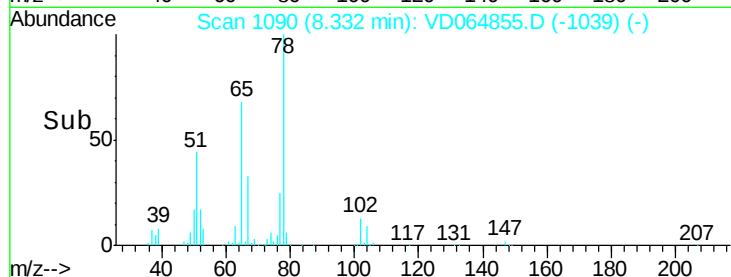
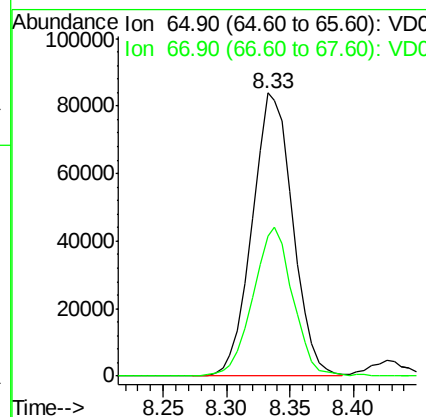
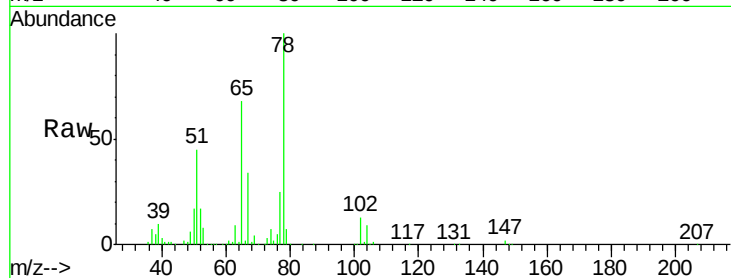
67 51.6 0.0 106.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

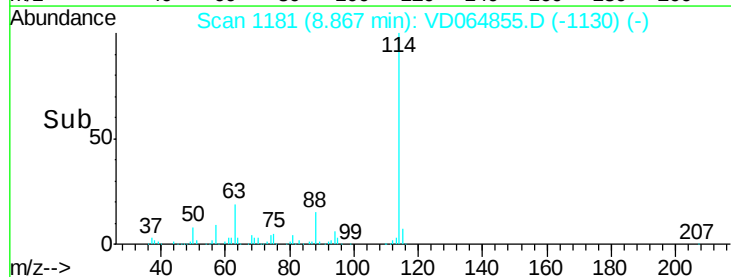
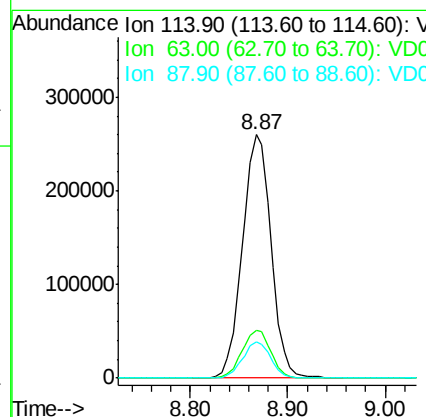
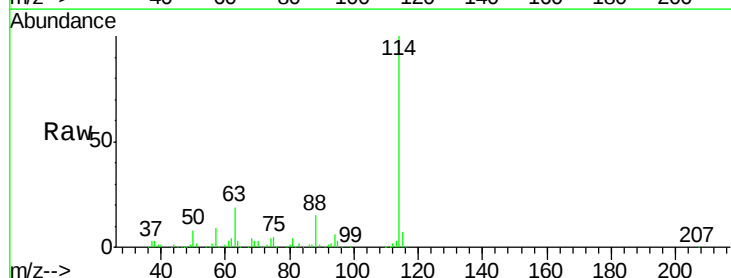
Tgt Ion: 114 Resp: 531403

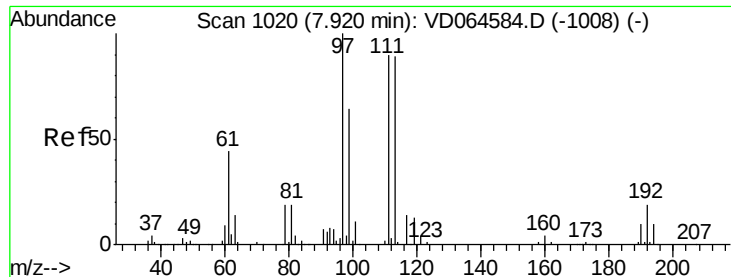
Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.0

88 14.9 0.0 29.2





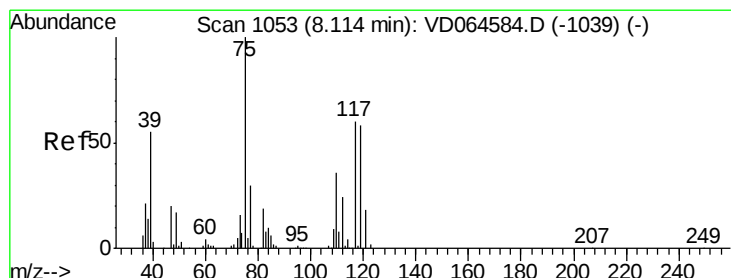
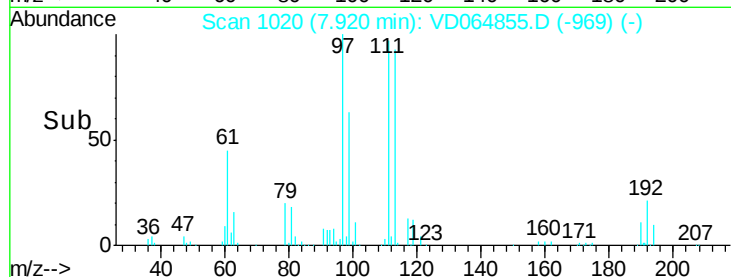
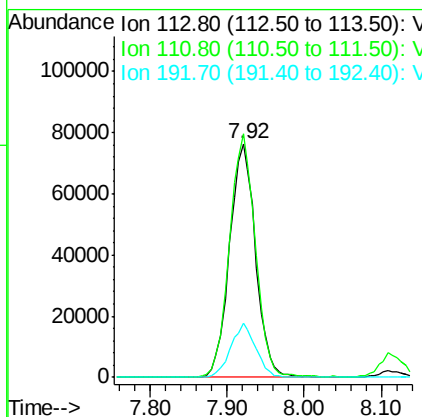
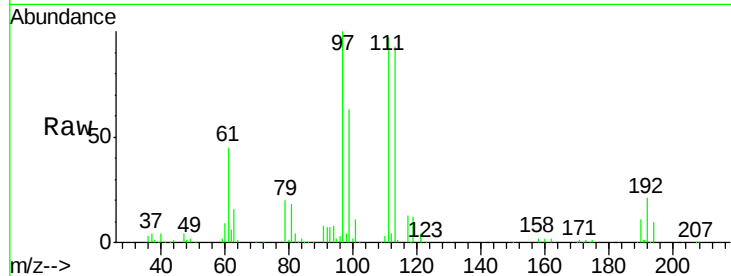
#35
 Dibromofluoromethane
 Concen: 55.267 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	180183		
111	103.7	80.6	121.0	
192	22.3	17.9	26.9	

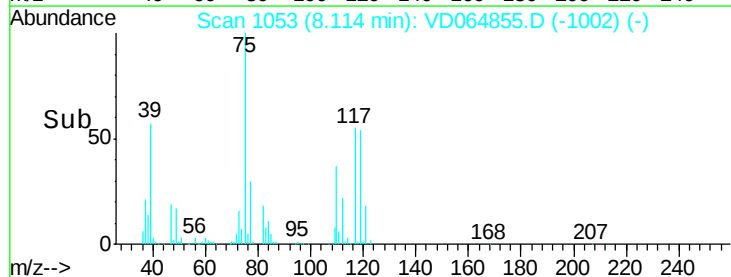
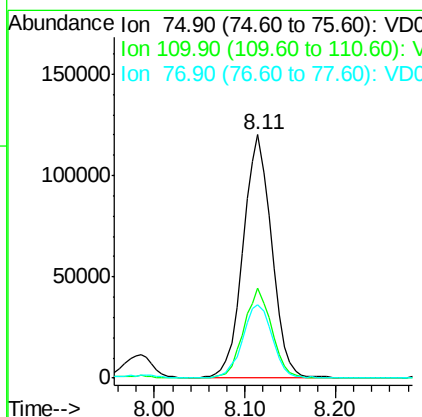
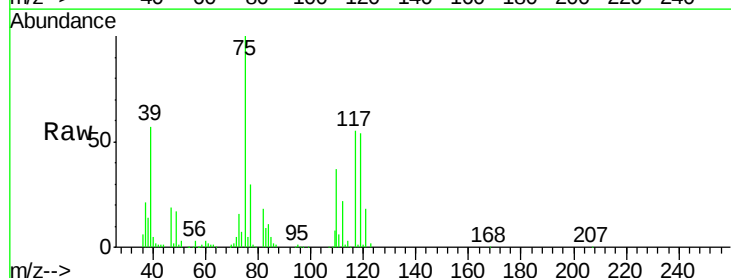
Manual Integrations
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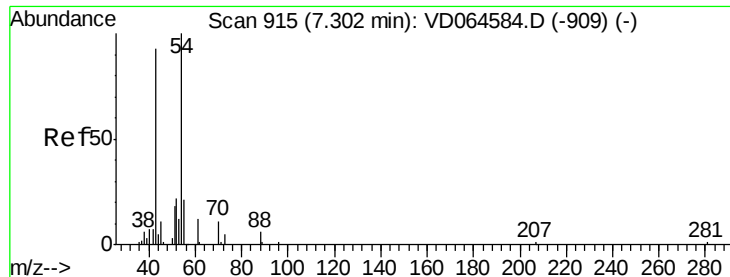
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 1/14/2020 1:28:36 PM



#36
 1,1-Dichloropropene
 Concen: 51.413 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	262966		
110	36.0	18.1	54.1	
77	31.6	24.2	36.4	





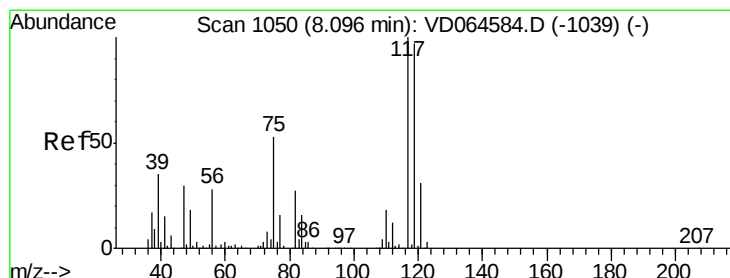
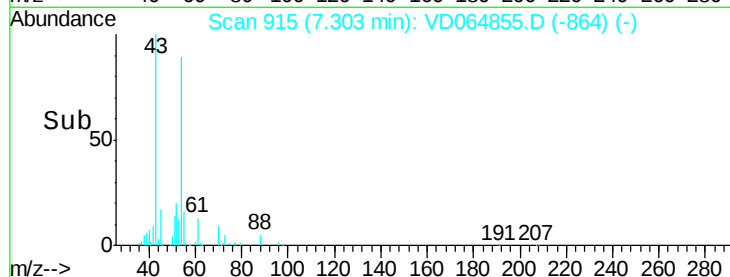
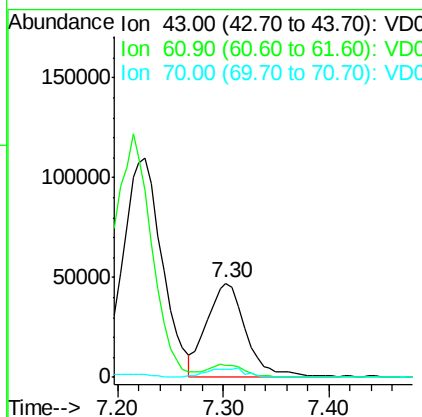
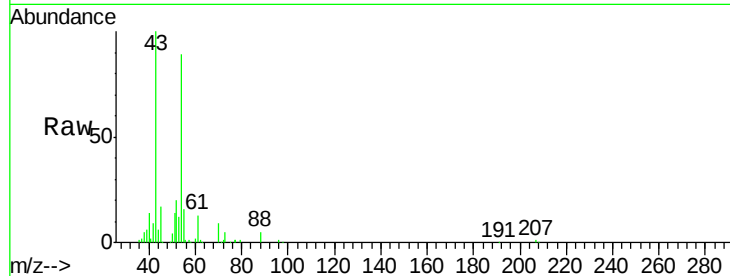
#37
Ethyl Acetate
Concen: 59.985 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	10.3	15.5
70	9.5	7.6	11.4

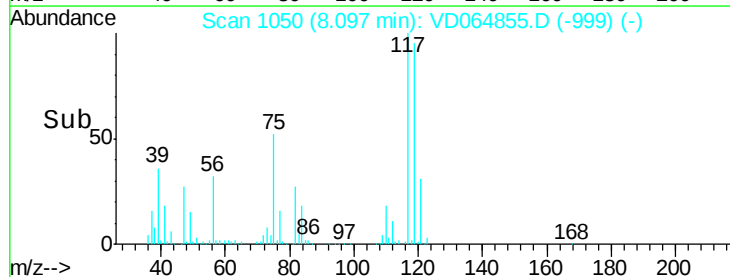
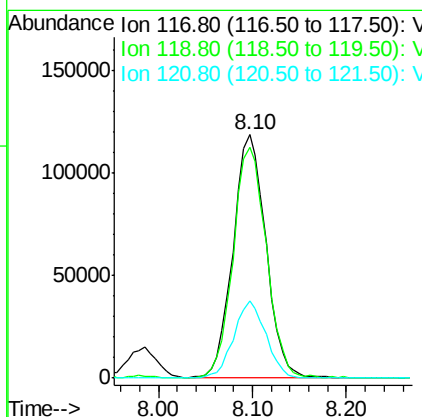
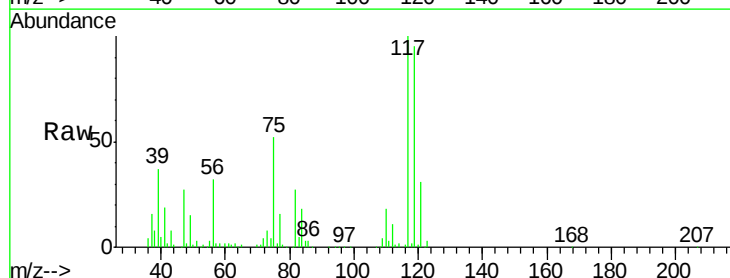
Manual Integrations
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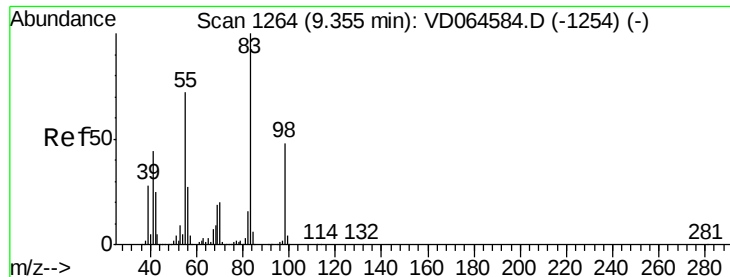
MMDadoda
1/14/2020 1:28:36 PM



#38
Carbon Tetrachloride
Concen: 52.565 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.3	115.9
121	31.6	25.0	37.6





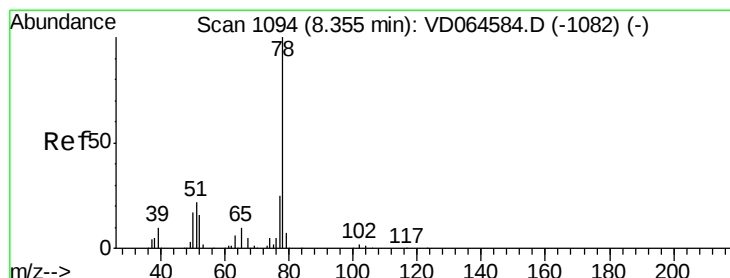
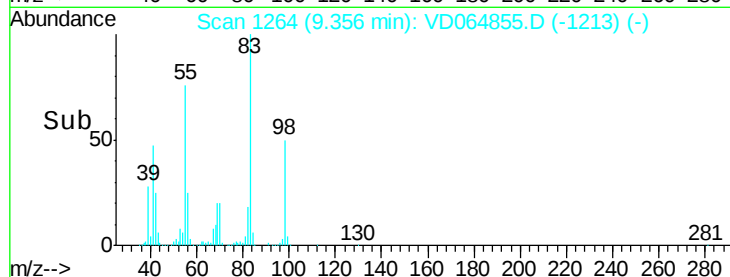
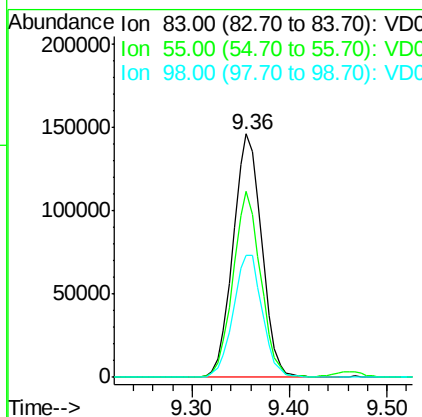
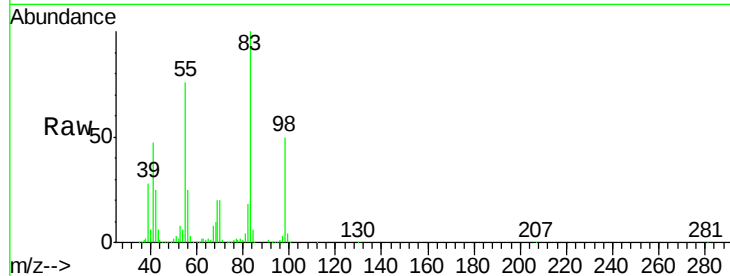
#39
Methvlcvclohexane
Concen: 48.210 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	57.8	86.6
98	50.1	38.7	58.1

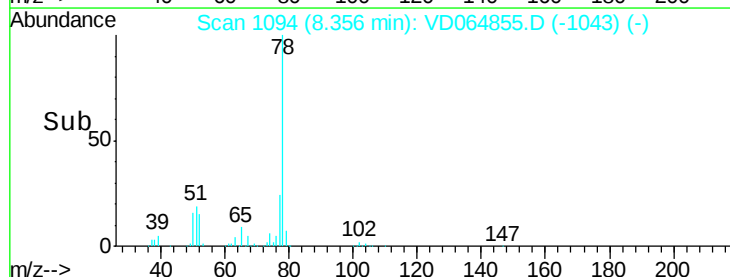
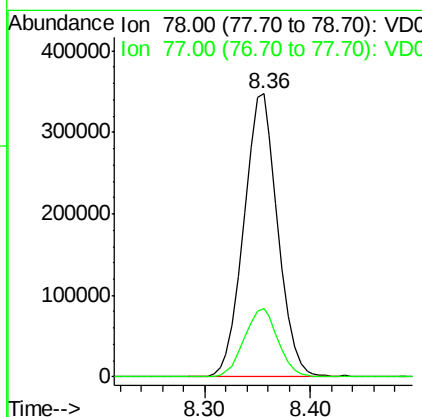
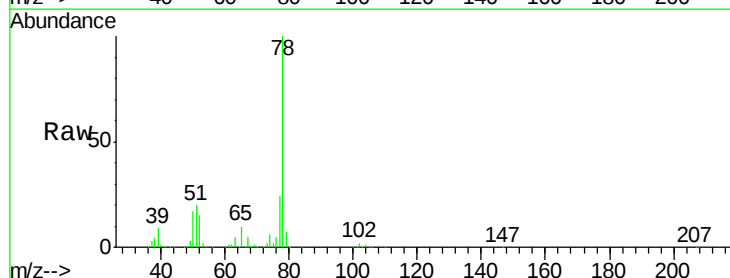
Manual Integrations
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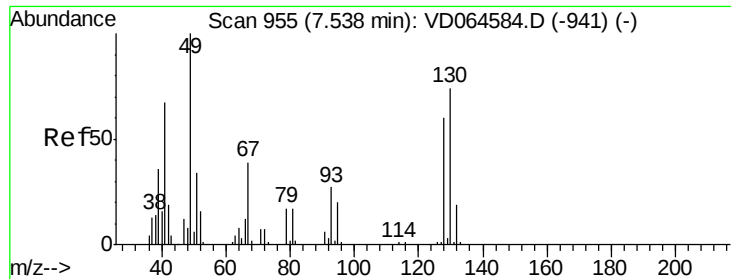
MMDadoda
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#40
Benzene
Concen: 55.426 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.9	29.9





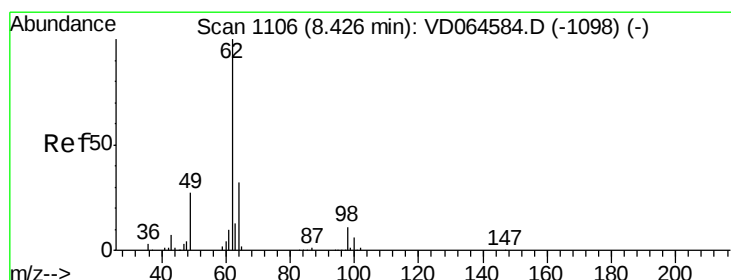
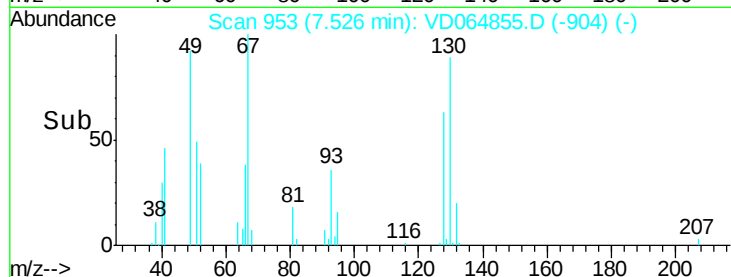
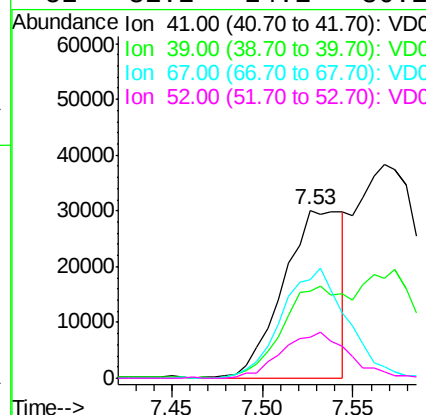
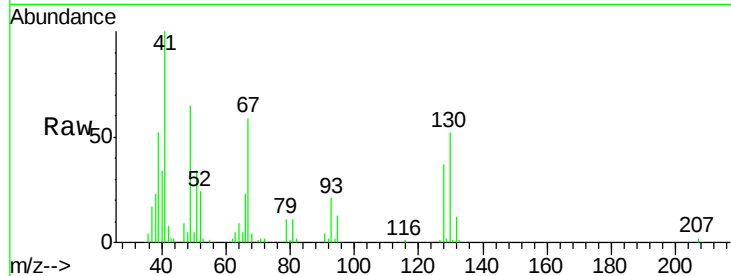
#41
Methacrylonitrile
Concen: 59.442 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	69298
Ion	Ratio	Lower	Upper
41	100		
39	61.3	46.7	70.1
67	71.8	52.5	78.7
52	31.2	24.1	36.1

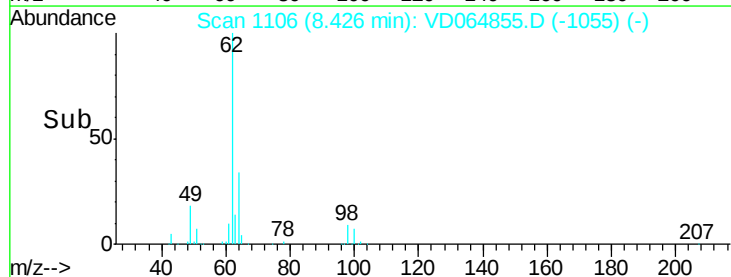
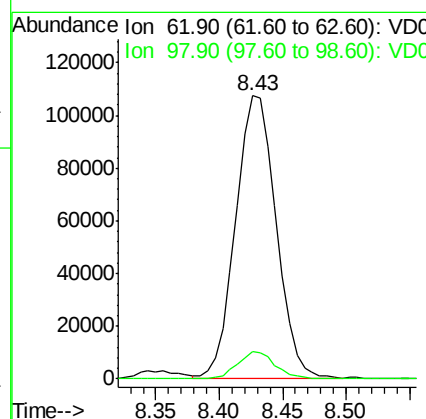
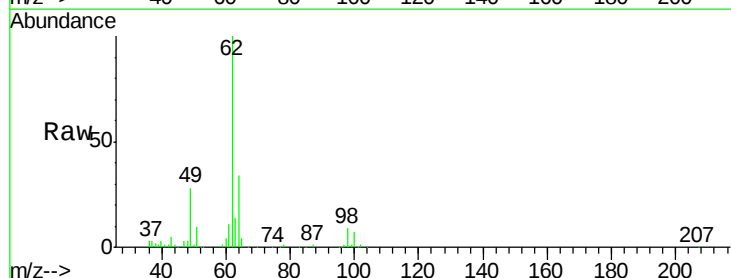
Manual Integrations
APPROVED

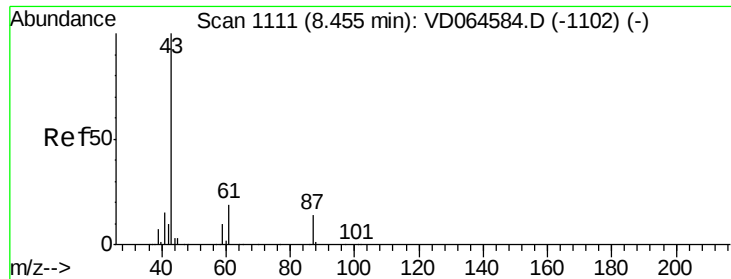
MMDadoda
1/14/2020 1:28:36 PM



#42
1,2-Dichloroethane
Concen: 58.700 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion:	62	Resp:	236847
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	20.0





#43

Isopropyl Acetate

Concen: 58.315 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

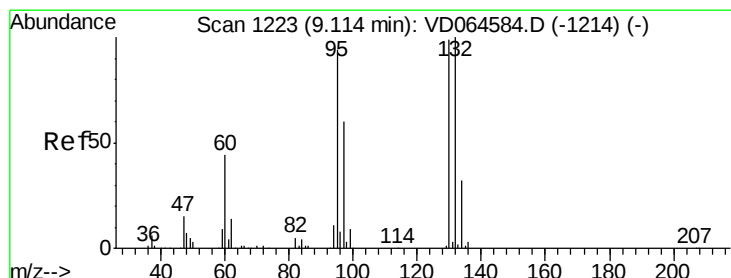
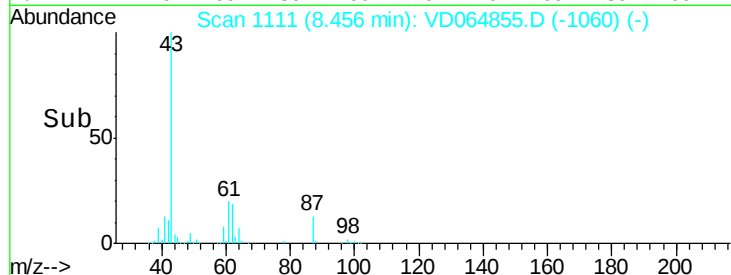
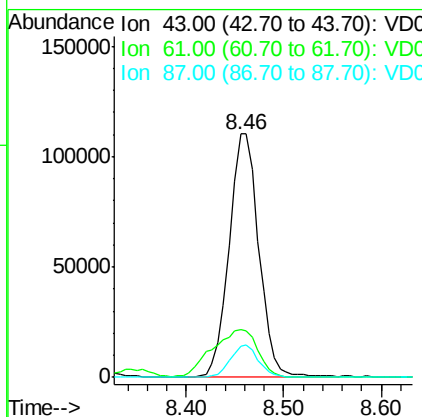
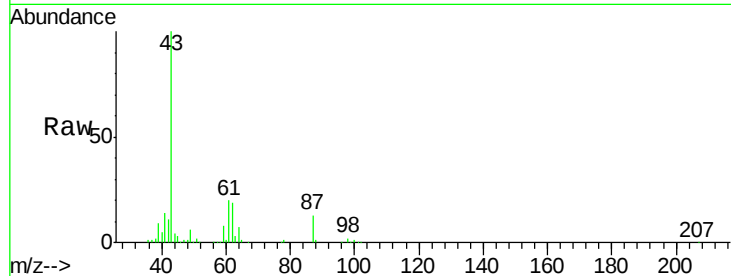
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	233226
Ion	Ratio	Lower	Upper
43	100		
61	30.2	23.7	35.5
87	12.6	10.5	15.7

Manual Integrations
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MMDadoda
1/14/2020 1:28:36 PM



#44

Trichloroethene

Concen: 51.801 ug/l

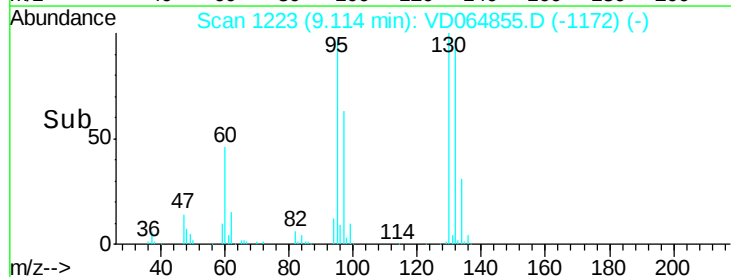
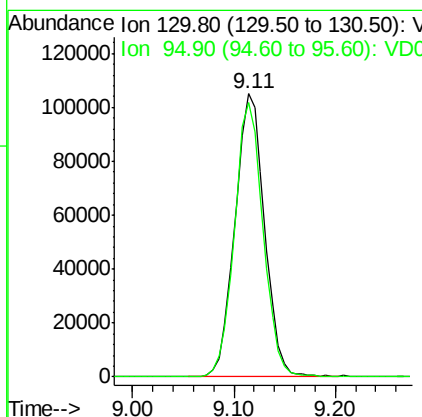
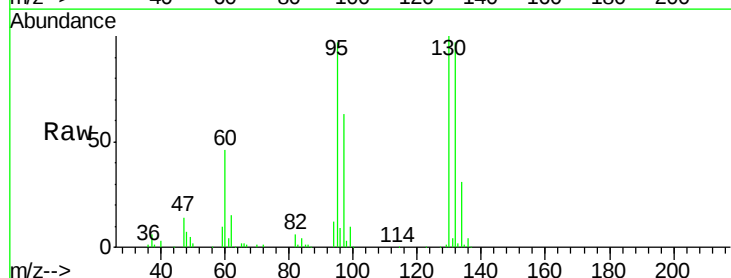
RT: 9.11 min Scan# 1223

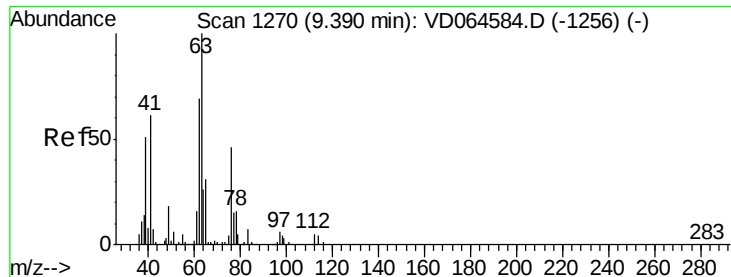
Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Tgt Ion:	130	Resp:	212479
Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	190.2





#45

1,2-Dichloropropane

Concen: 57.732 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 192464

Ion Ratio Lower Upper

63 100

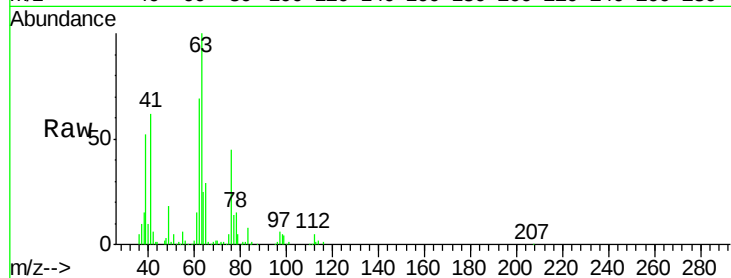
65 28.9 25.2 37.8

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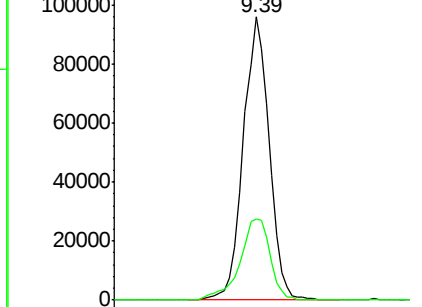
MMDadoda

1/14/2020 1:28:36 PM

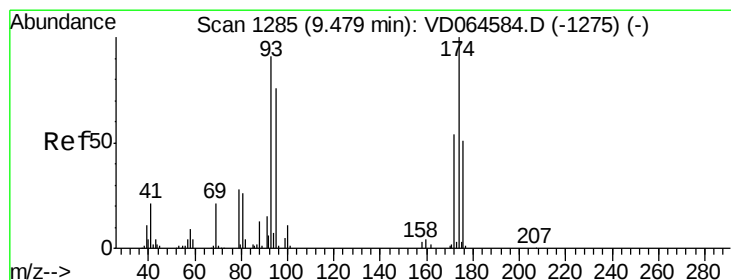
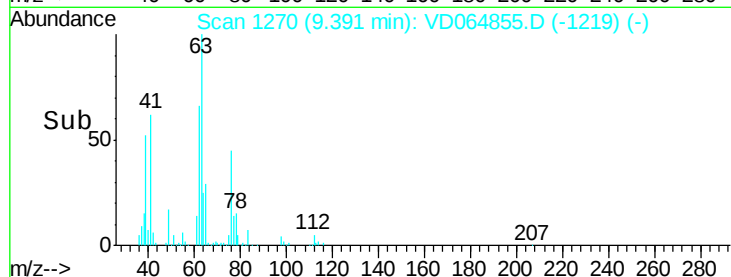


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



Time-->



#46

Dibromomethane

Concen: 56.868 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

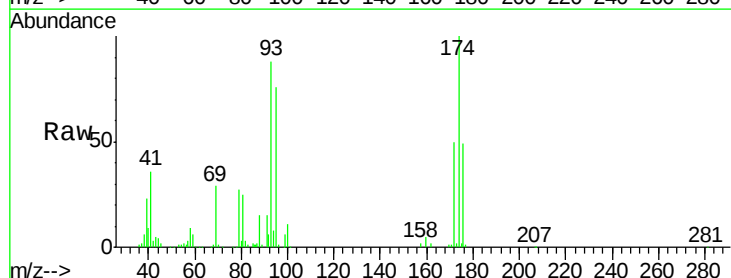
Tgt Ion: 93 Resp: 105701

Ion Ratio Lower Upper

93 100

95 83.3 64.6 97.0

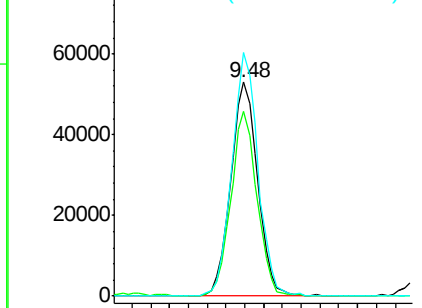
174 110.1 88.1 132.1



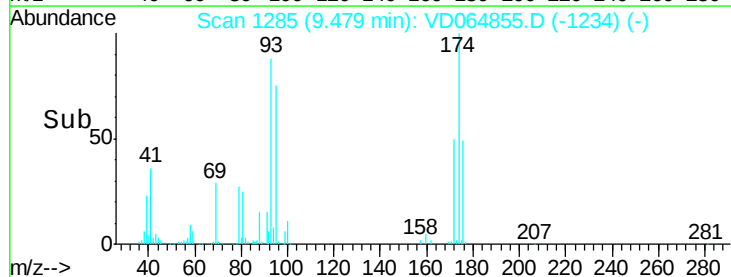
Abundance Ion 92.80 (92.50 to 93.50): VDC

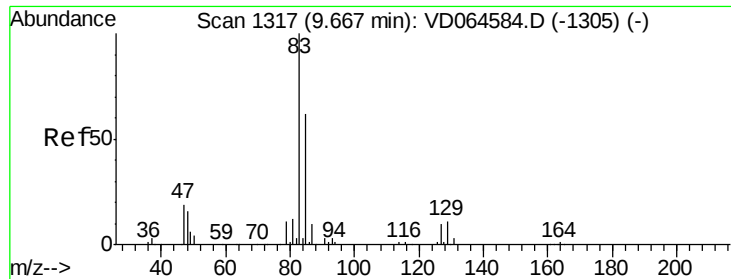
Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V



Time-->





#47

Bromodichloromethane

Concen: 58.595 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

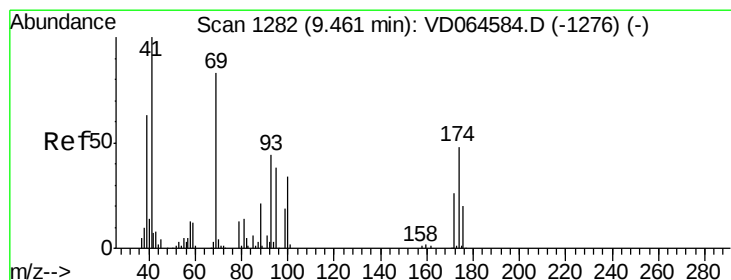
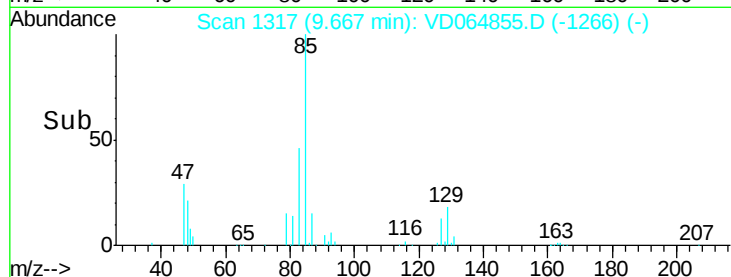
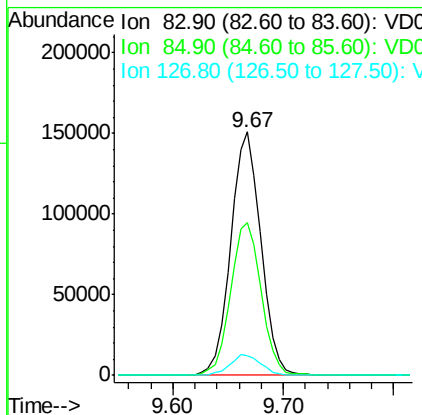
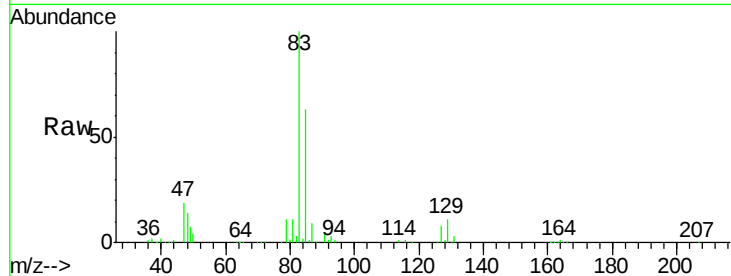
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	289804
Ion	Ratio	Lower	Upper
83	100		
85	63.0	49.5	74.3
127	8.1	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 56.248 ug/l

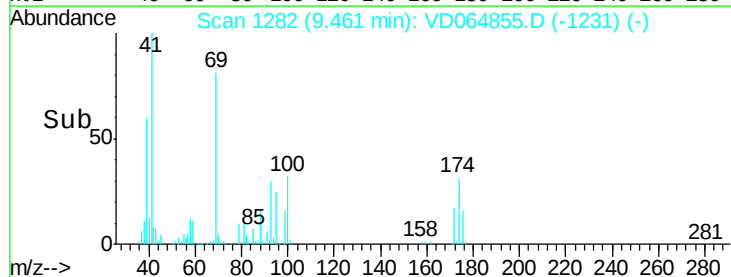
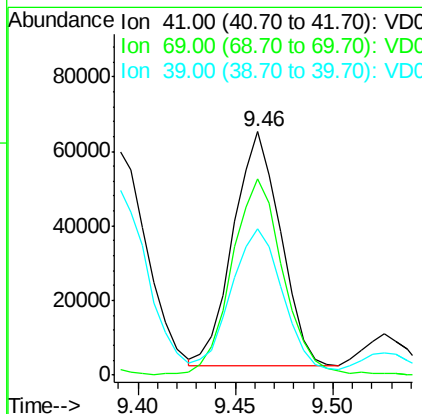
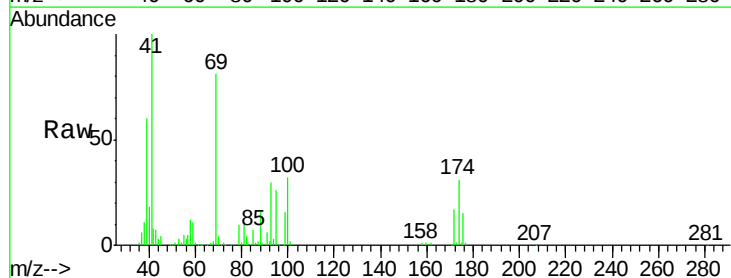
RT: 9.46 min Scan# 1282

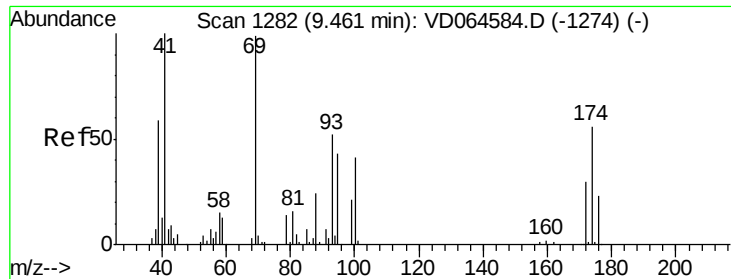
Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Tgt Ion:	41	Resp:	105923
Ion	Ratio	Lower	Upper
41	100		
69	90.1	63.0	94.6
39	69.8	47.4	71.2





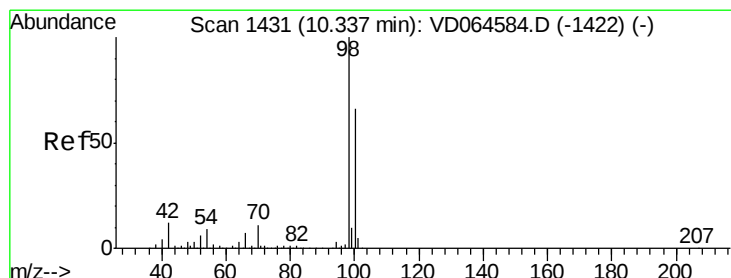
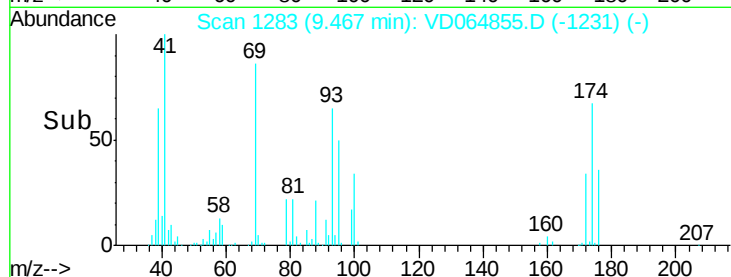
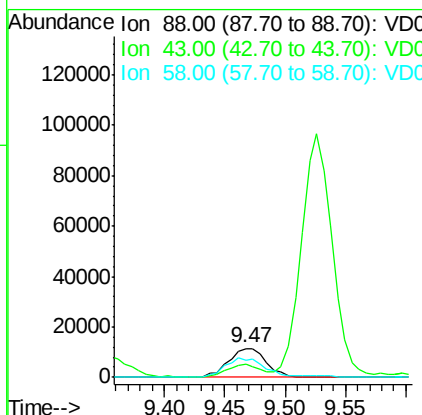
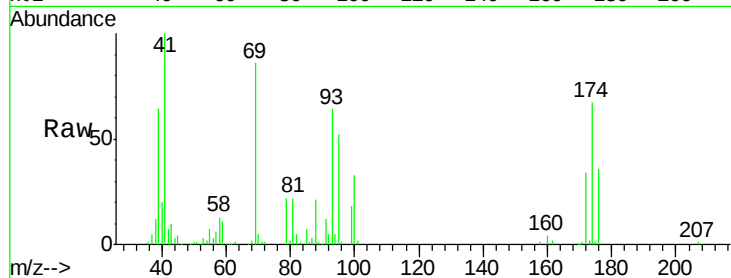
#49
1,4-Dioxane
Concen: 1177.259 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	25231
Ion	Ratio	Lower	Upper
88	100		
43	36.7	27.7	41.5
58	69.1	53.8	80.6

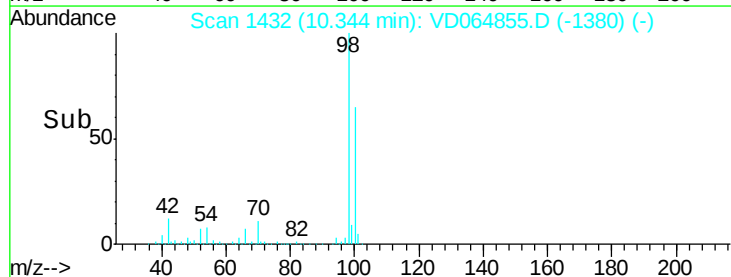
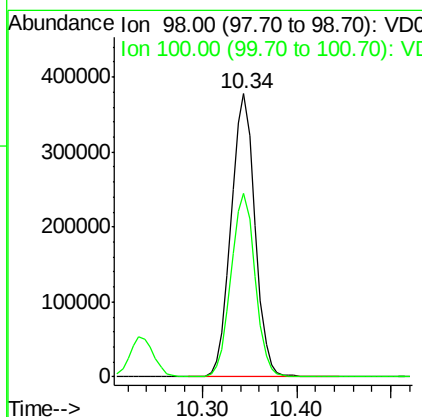
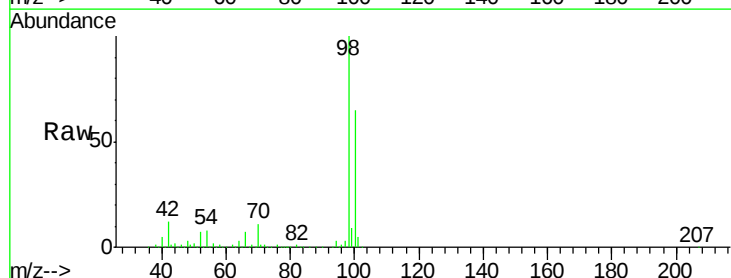
Manual Integrations
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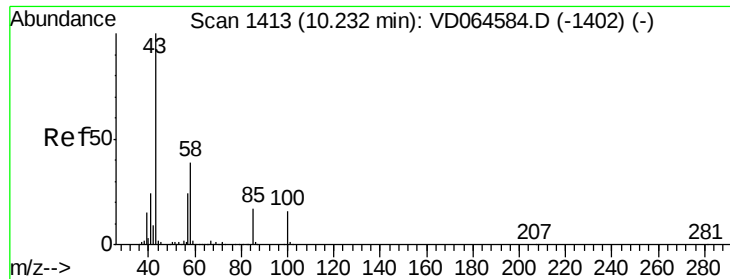
MMDadoda
1/14/2020 1:28:36 PM



#50
Toluene-d8
Concen: 53.527 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion	98	Resp	668356
Ion	Ratio	Lower	Upper
98	100		
100	65.8	51.7	77.5





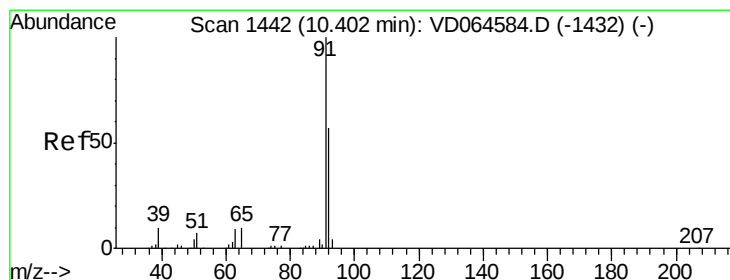
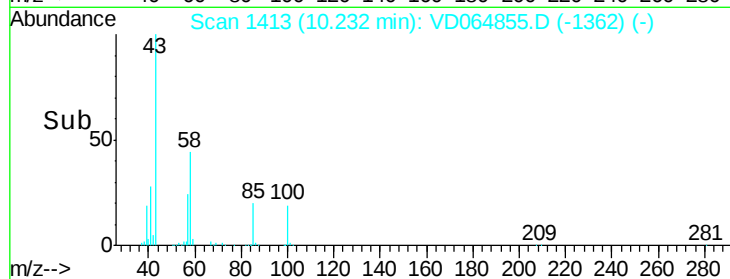
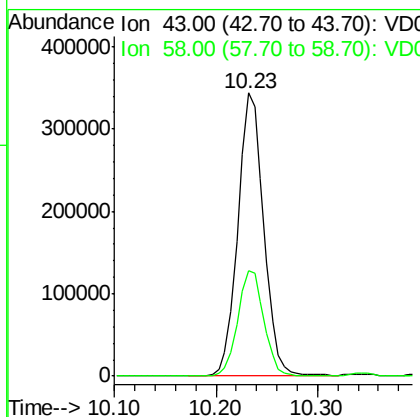
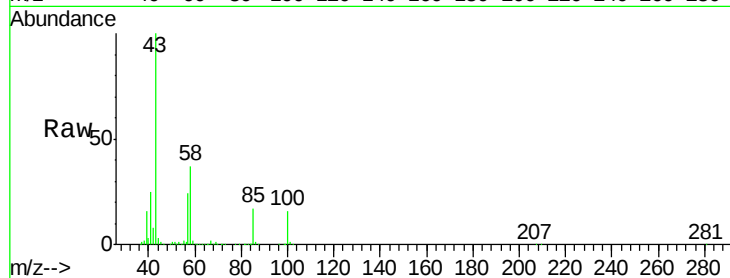
#51
4-Methyl-2-Pentanone
Concen: 307.467 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 607807
Ion Ratio Lower Upper
43 100
58 37.7 30.2 45.2

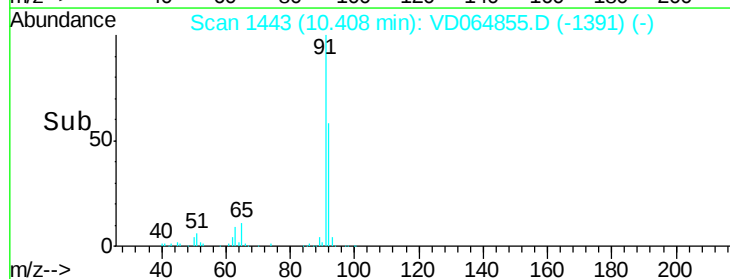
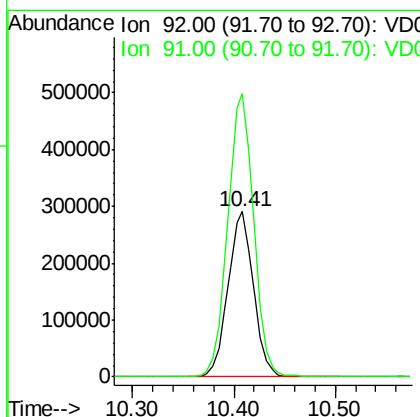
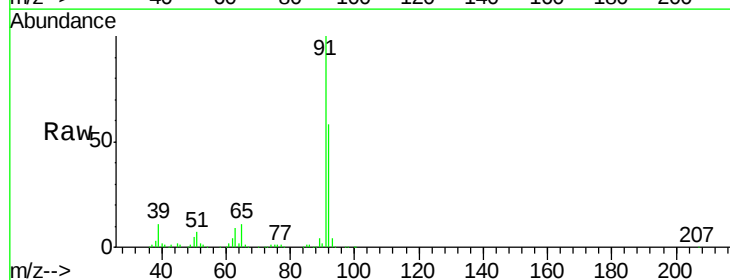
Manual Integrations
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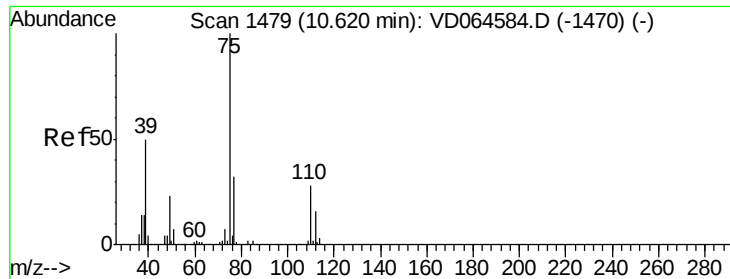
MMDadoda
1/14/2020 1:28:36 PM



#52
Toluene
Concen: 55.060 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion: 92 Resp: 504386
Ion Ratio Lower Upper
92 100
91 174.9 138.7 208.1





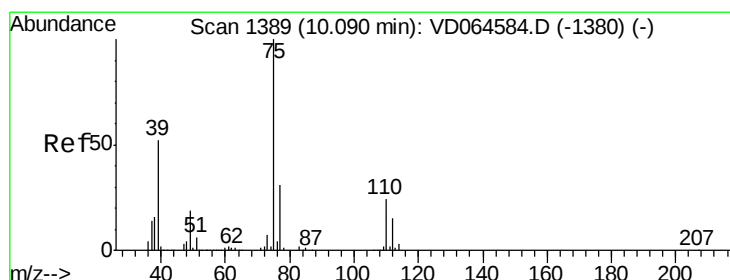
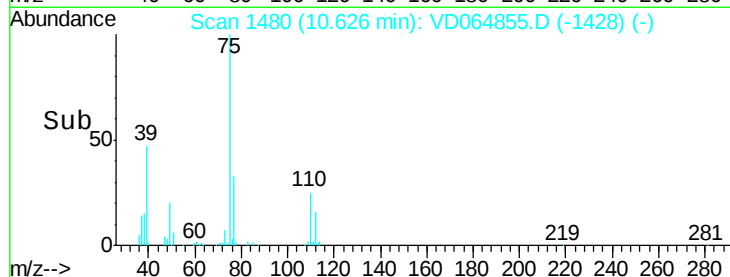
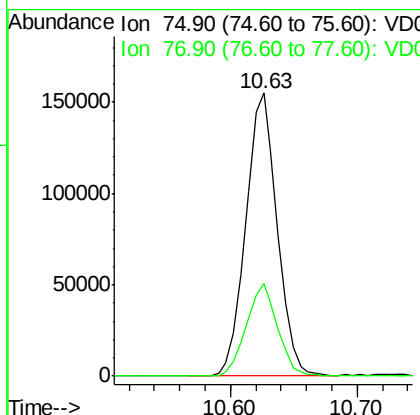
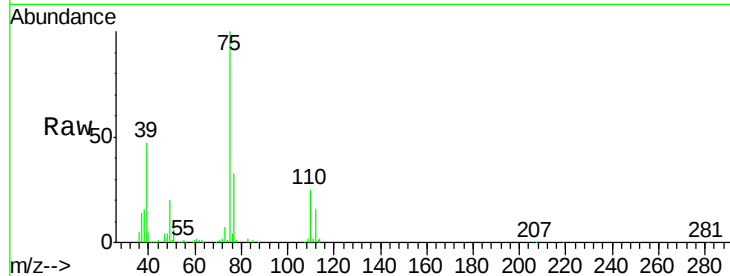
#53
t-1,3-Dichloropropene
Concen: 57.827 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 266650
Ion Ratio Lower Upper
75 100
77 32.7 25.4 38.2

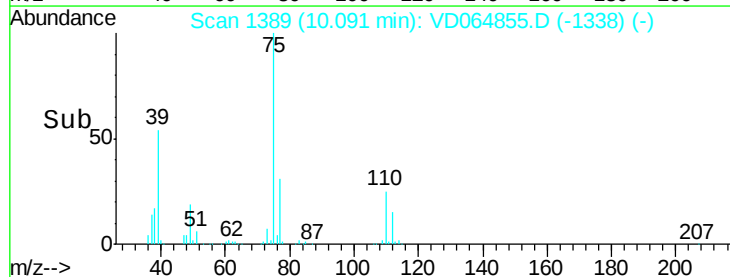
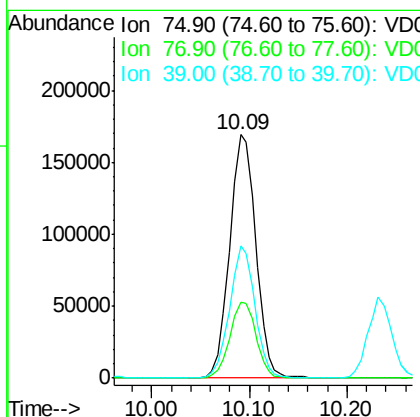
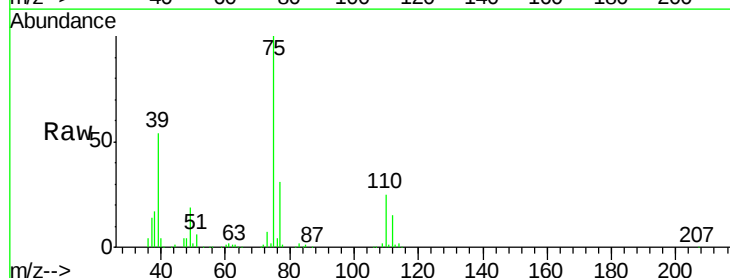
Manual Integrations
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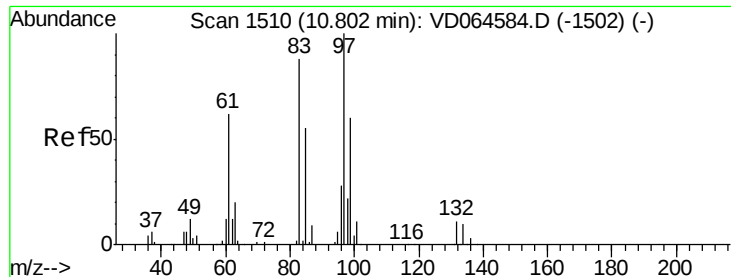
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 57.977 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion: 75 Resp: 315231
Ion Ratio Lower Upper
75 100
77 31.4 24.6 36.8
39 54.1 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 58.666 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 146953

Ion Ratio Lower Upper

97 100

83 82.7 70.2 105.4

85 52.4 44.0 66.0

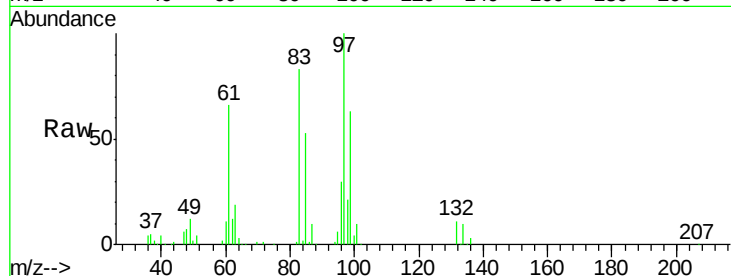
99 62.8 47.8 71.6

Manual Integrations

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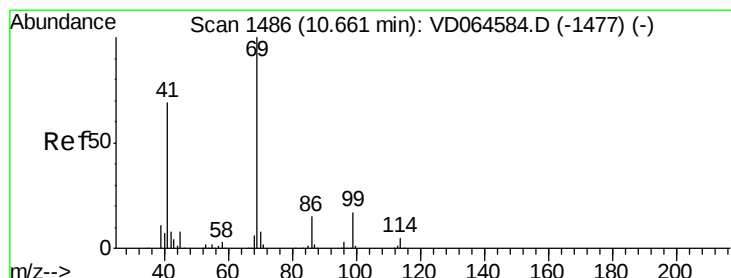
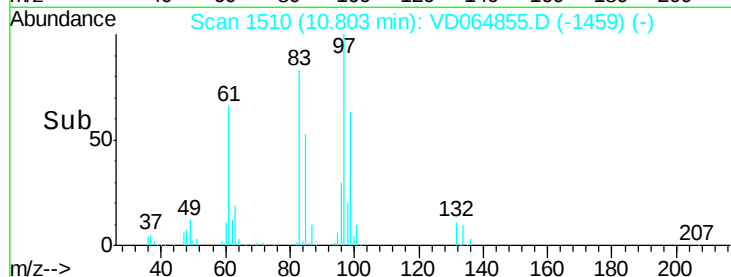
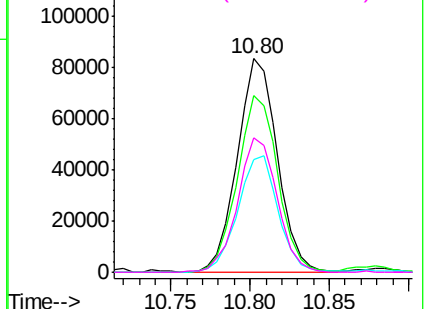


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 60.117 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

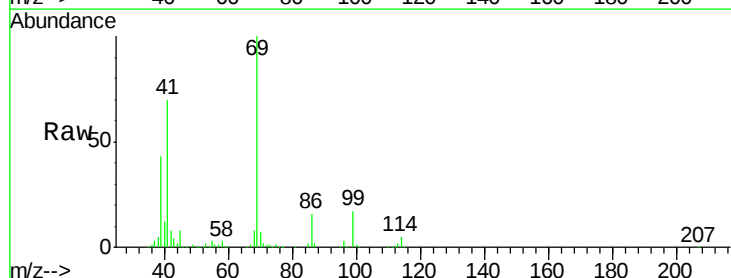
Tgt Ion: 69 Resp: 188064

Ion Ratio Lower Upper

69 100

41 70.0 55.3 82.9

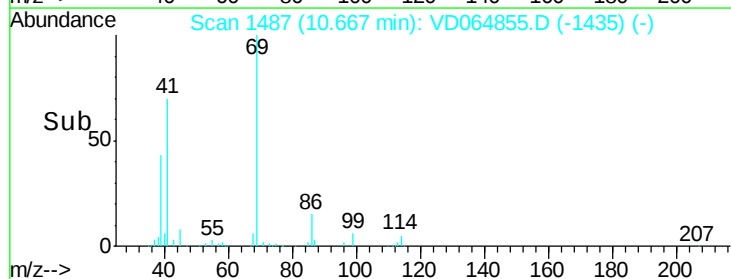
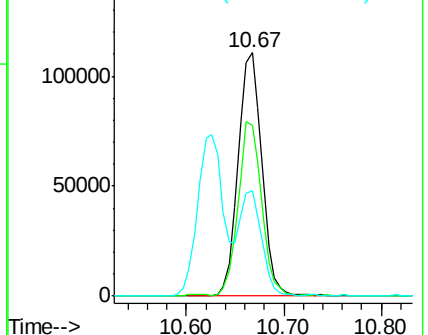
39 38.1 33.8 50.8

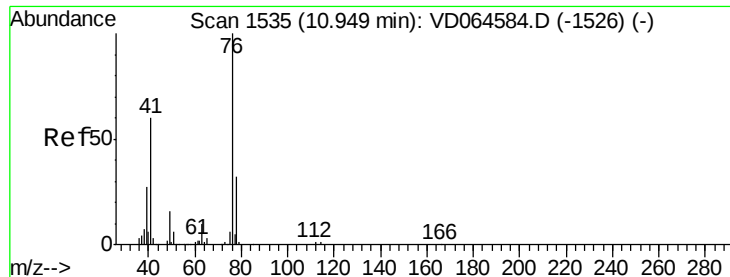


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





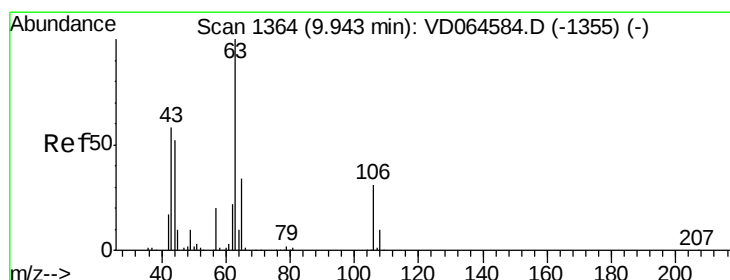
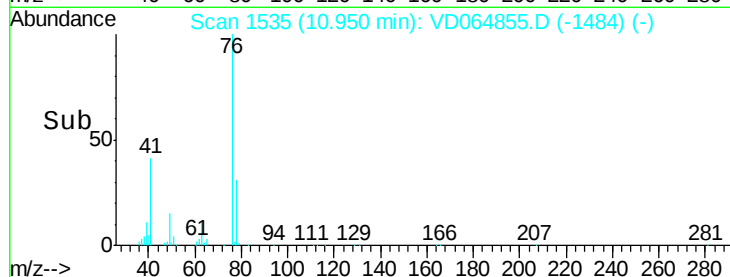
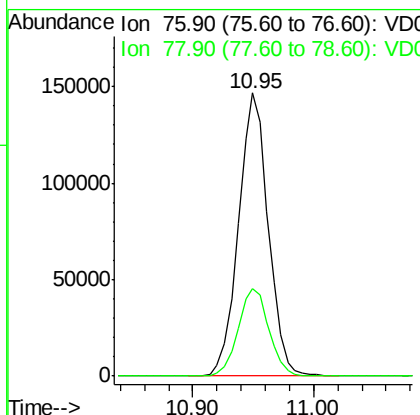
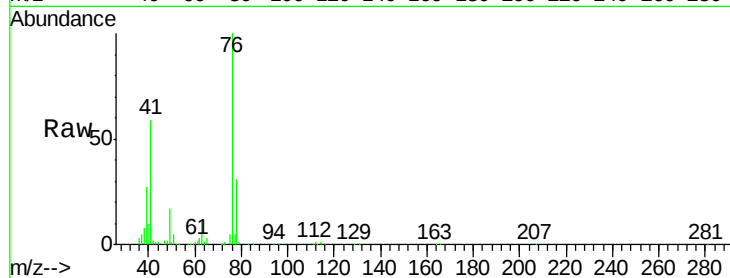
#57
 1,3-Dichloropropane
 Concen: 58.400 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 251874
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.2 39.4

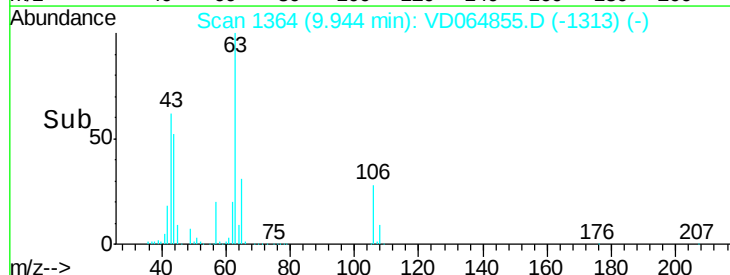
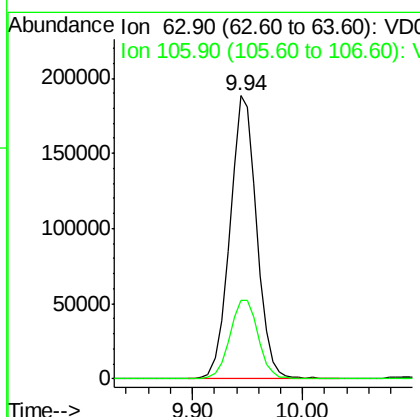
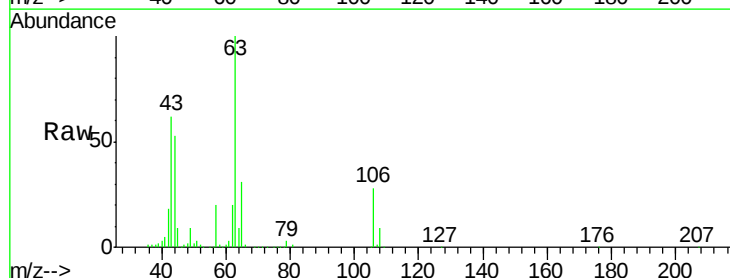
Manual Integrations
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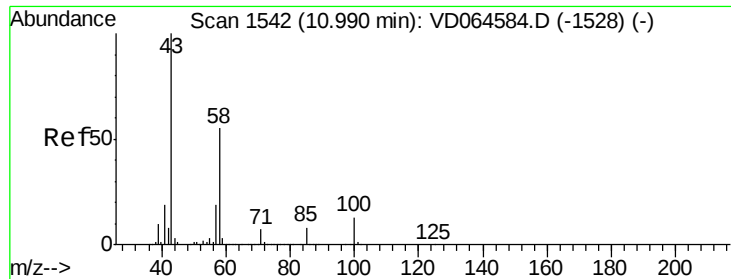
MMDadoda
 1/14/2020 1:28:36 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 268.498 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

Tgt Ion: 63 Resp: 320011
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.8 35.8





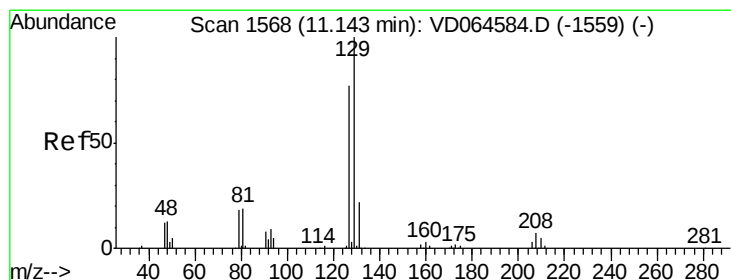
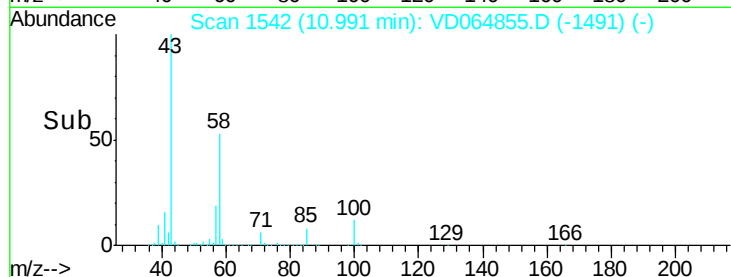
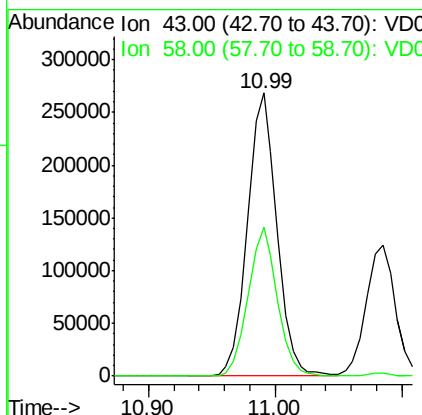
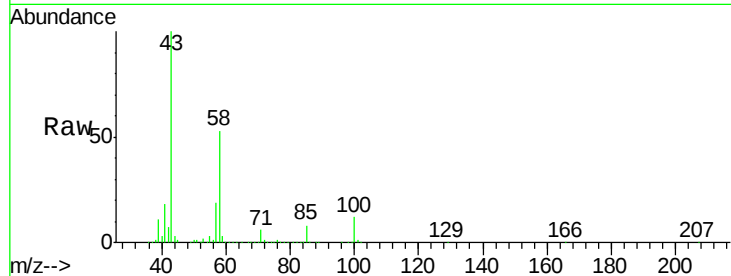
#59
2-Hexanone
Concen: 323.126 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 433541
Ion Ratio Lower Upper
43 100
58 52.0 26.4 79.0

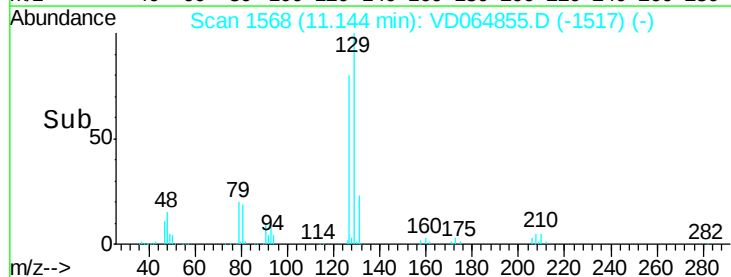
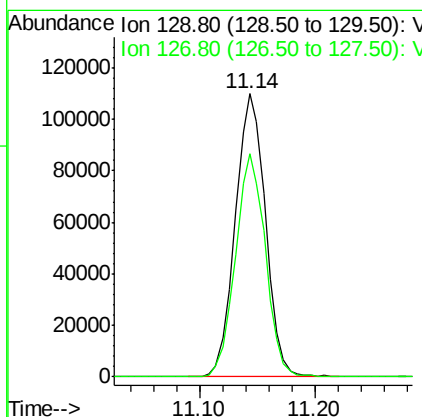
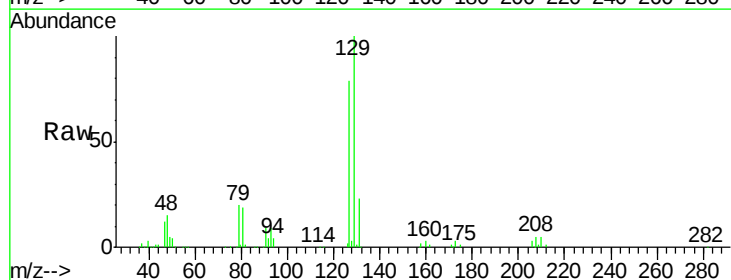
Manual Integrations
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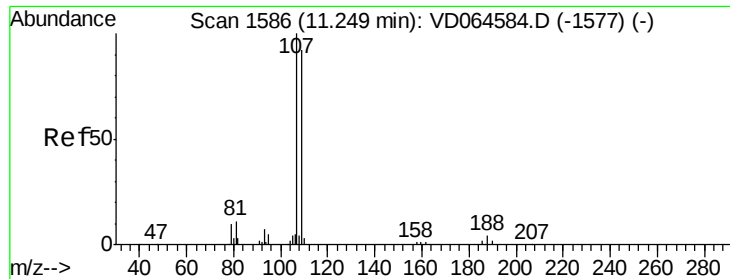
MMDadoda
1/14/2020 1:28:36 PM



#60
Dibromochloromethane
Concen: 57.282 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion: 129 Resp: 198422
Ion Ratio Lower Upper
129 100
127 78.3 38.4 115.2





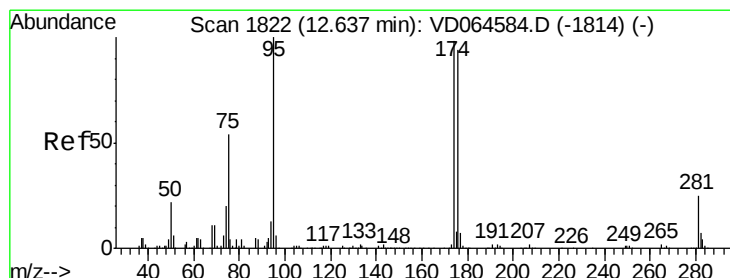
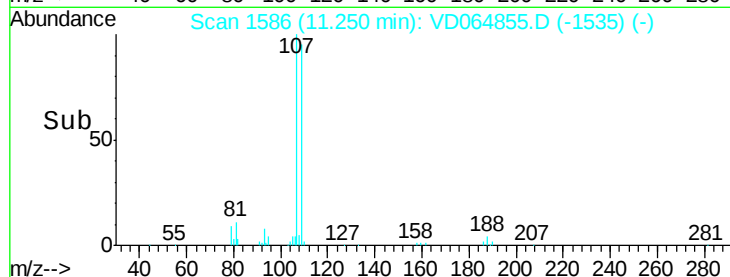
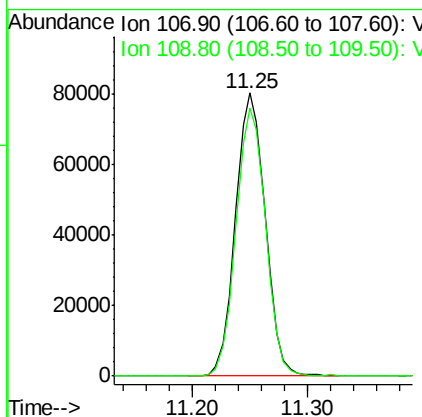
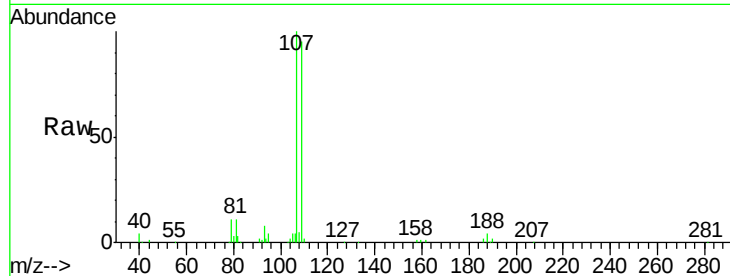
#61
 1,2-Dibromoethane
 Concen: 57.890 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 143026
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.6 113.4

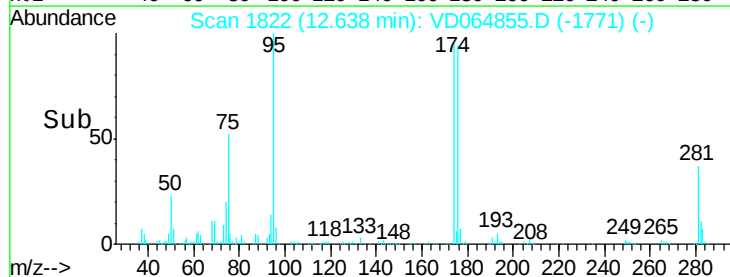
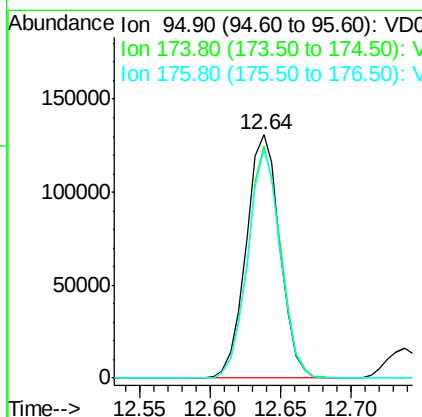
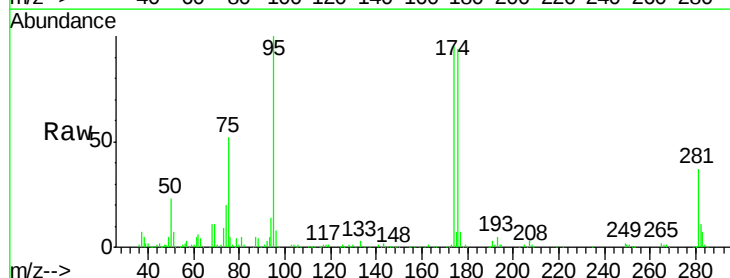
Manual Integrations
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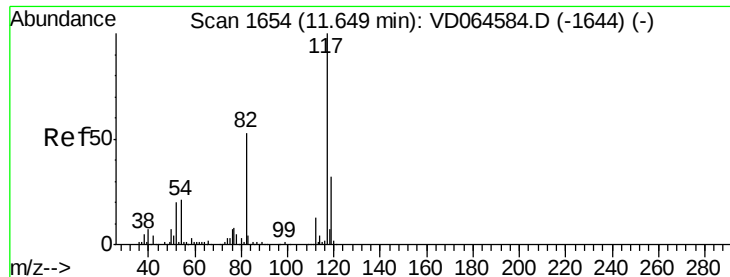
MMDadoda
 1/14/2020 1:28:36 PM



#62
 4-Bromofluorobenzene
 Concen: 55.501 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

Tgt Ion: 95 Resp: 219138
 Ion Ratio Lower Upper
 95 100
 174 93.0 0.0 193.2
 176 90.9 0.0 184.2





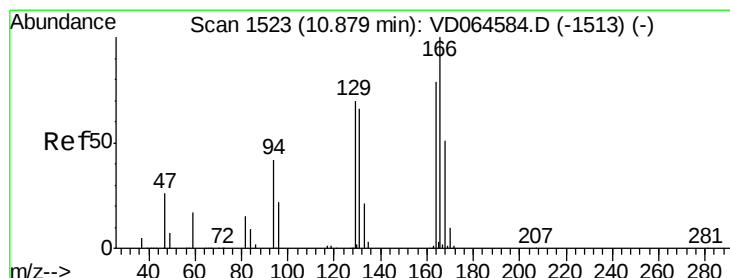
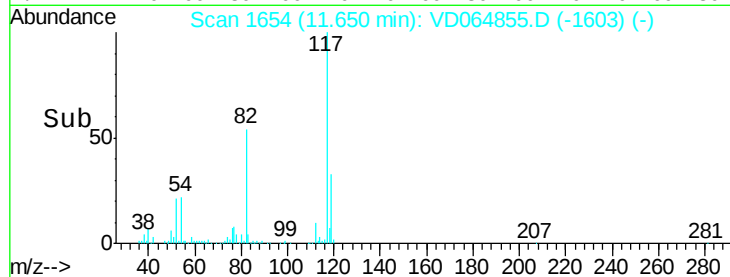
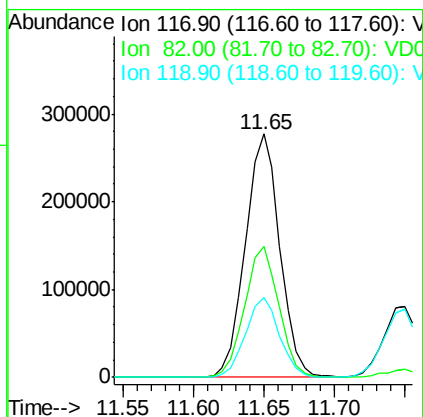
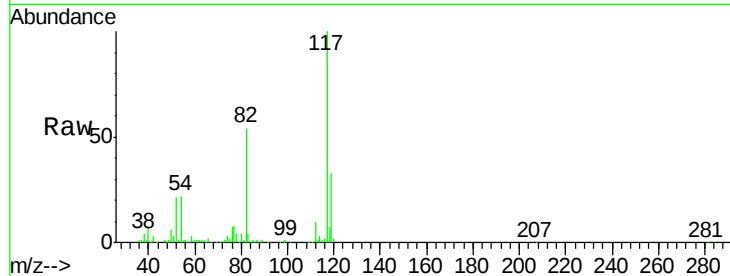
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.2	63.4
119	32.6	26.0	39.0

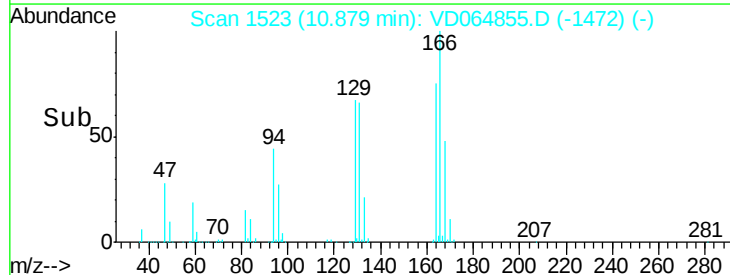
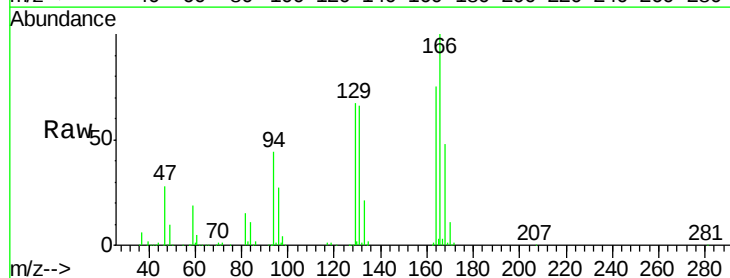
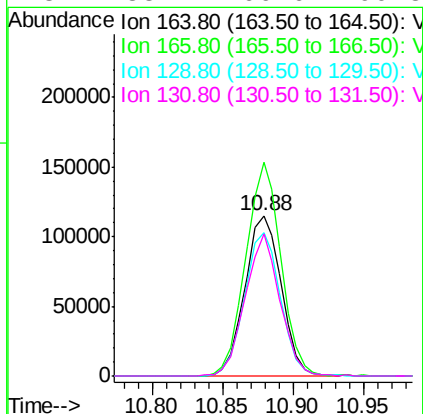
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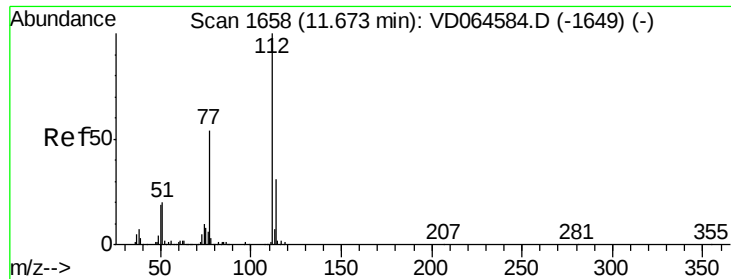
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#64
Tetrachloroethene
Concen: 57.214 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.4	101.3	151.9
129	89.6	70.5	105.7
131	88.4	66.6	99.8





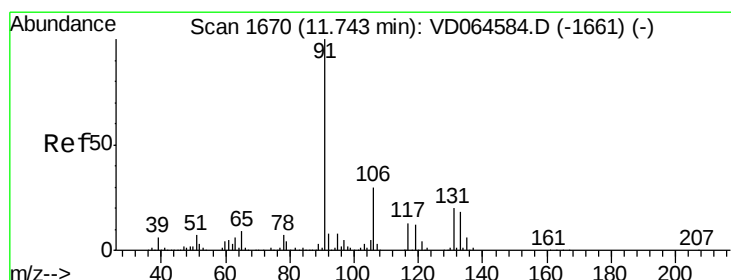
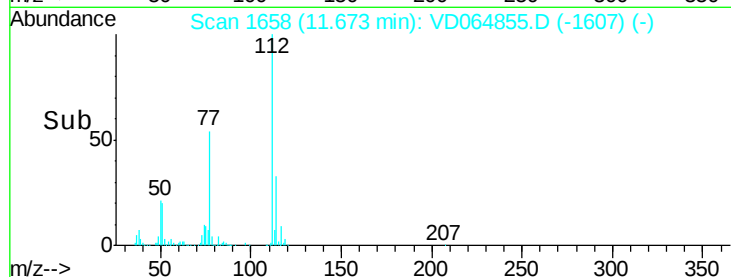
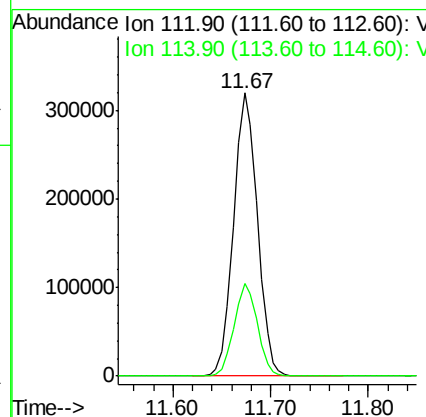
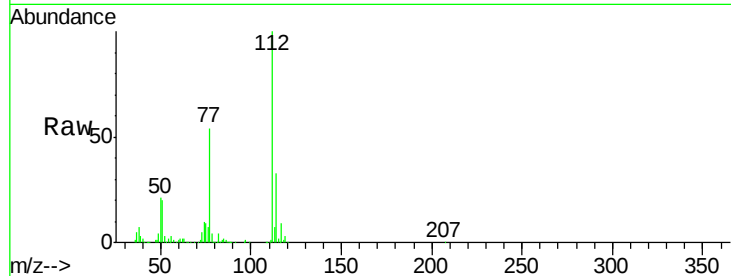
#65
Chlorobenzene
Concen: 55.213 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	24.8	37.2

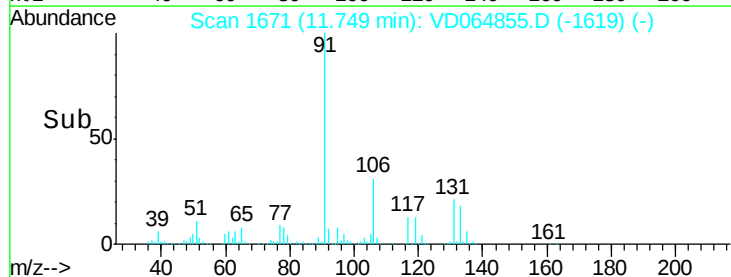
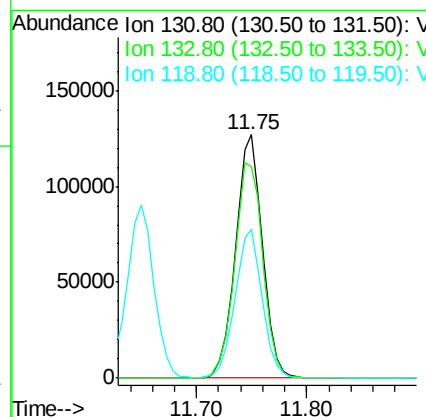
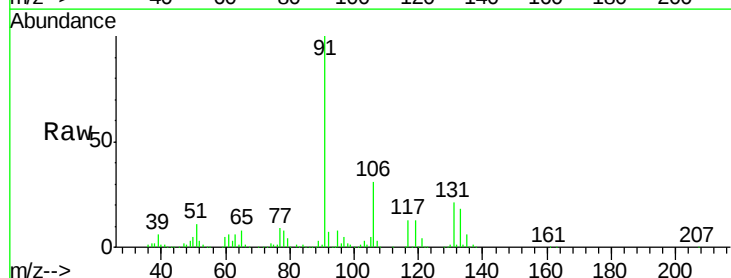
Manual Integrations
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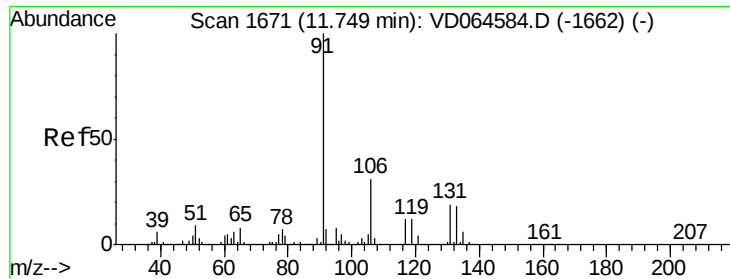
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 58.441 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.1	48.3	144.8
119	62.0	32.1	96.3





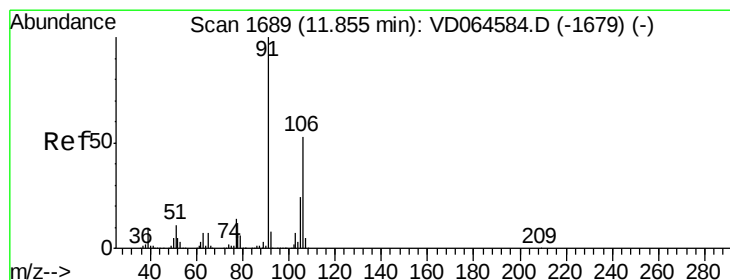
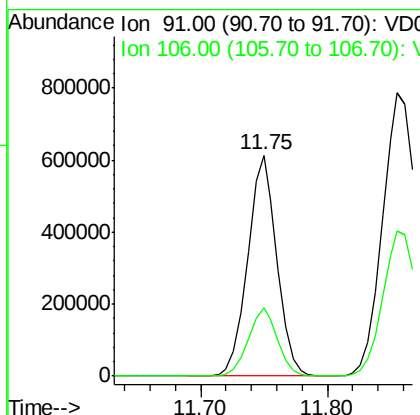
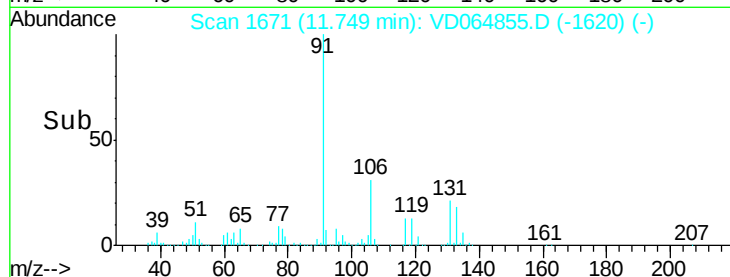
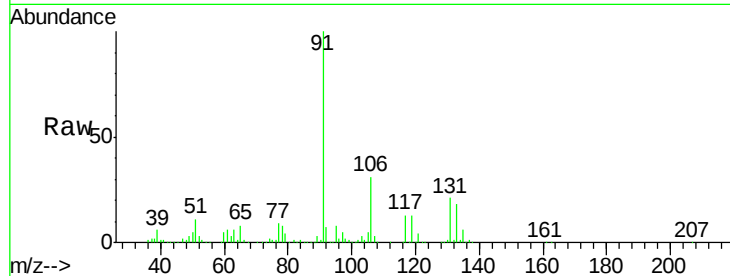
#67
Ethyl Benzene
Concen: 54.544 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 973765
Ion Ratio Lower Upper
91 100
106 31.1 24.6 36.8

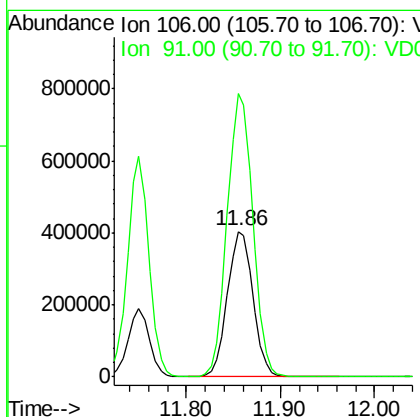
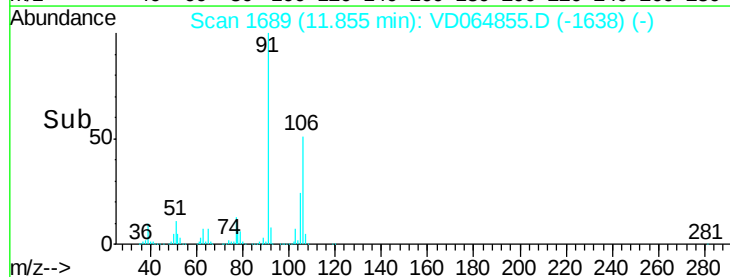
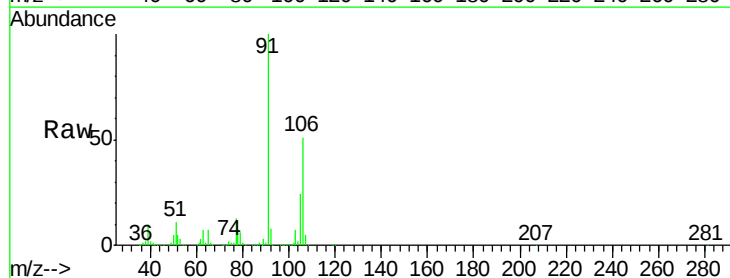
Manual Integrations
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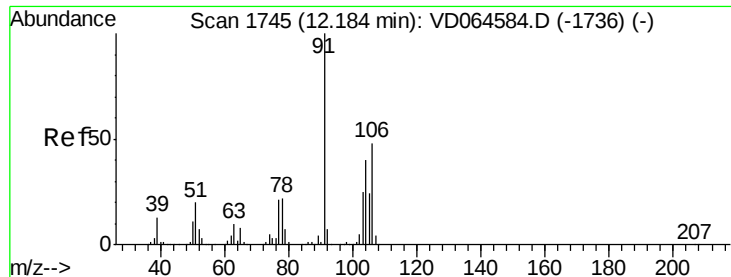
MMDadoda
1/14/2020 1:28:36 PM



#68
m/p-Xylenes
Concen: 110.442 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion: 106 Resp: 761033
Ion Ratio Lower Upper
106 100
91 196.0 156.3 234.5





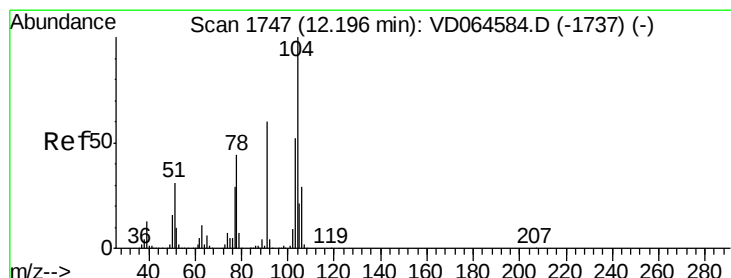
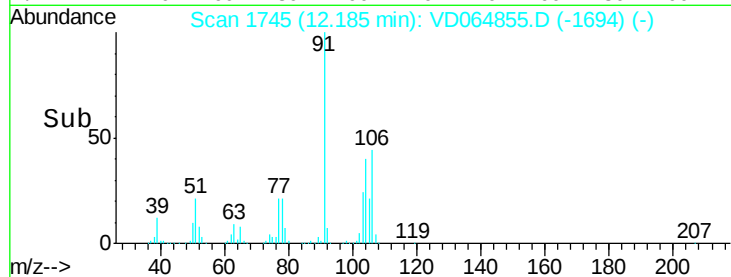
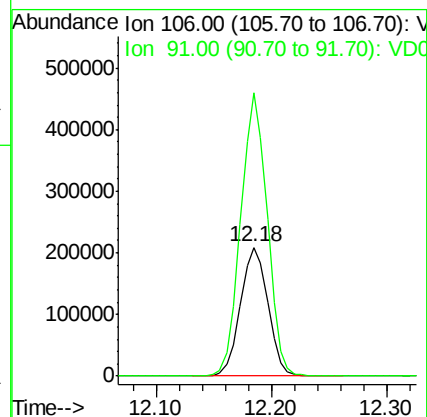
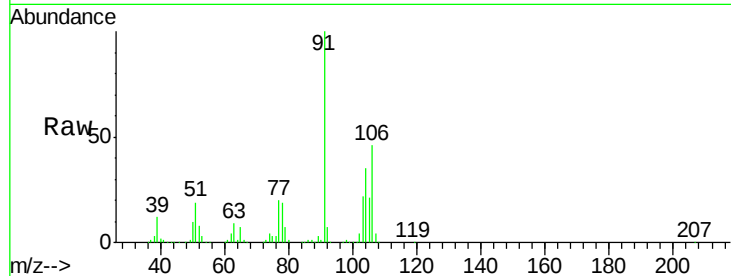
#69
o-Xylene
Concen: 55.306 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		344230		
91	212.4	104.8	314.4		

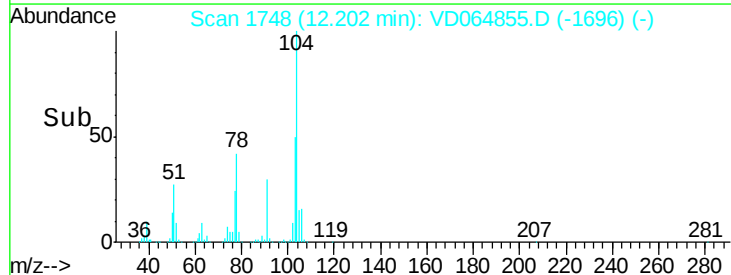
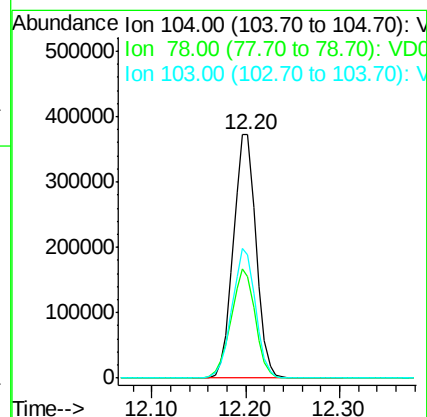
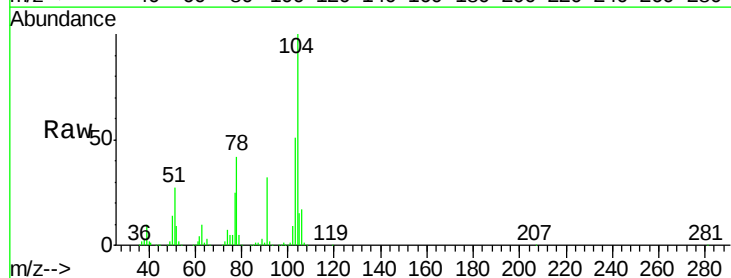
Manual Integrations
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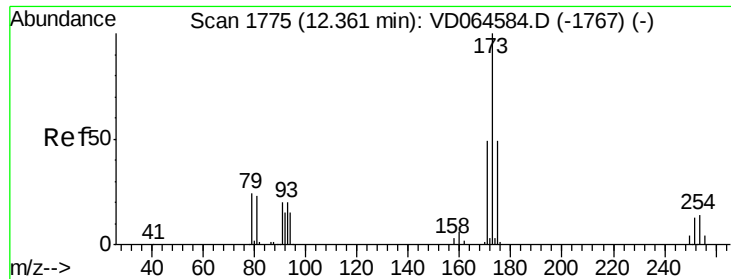
MMDadoda
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#70
Styrene
Concen: 57.314 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		626159		
78	47.4	38.2	57.2		
103	55.0	44.6	67.0		





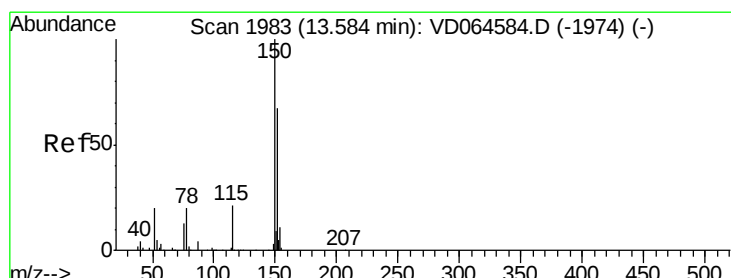
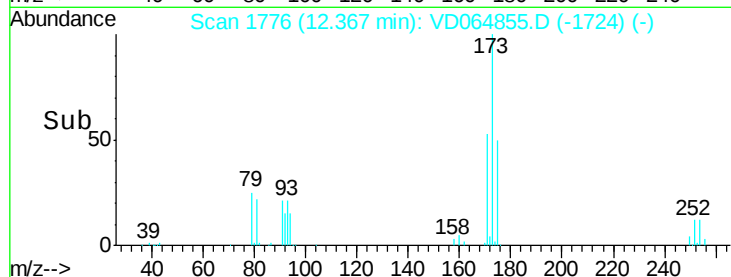
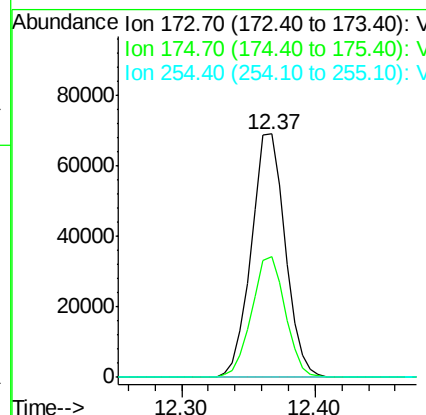
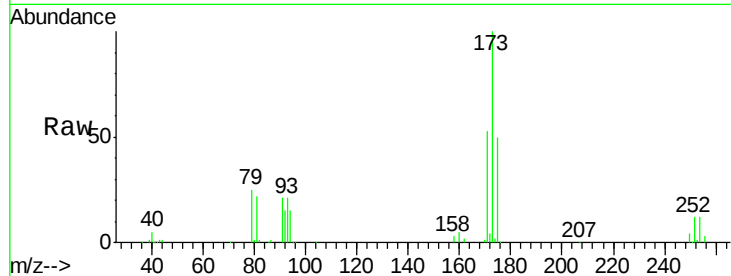
#71
Bromoform
Concen: 57.232 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.6	73.8
254	0.1	0.1	0.1

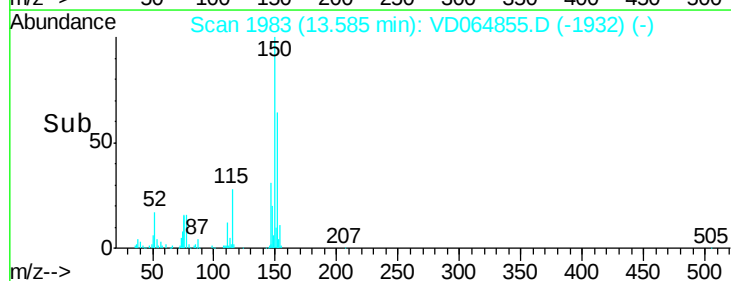
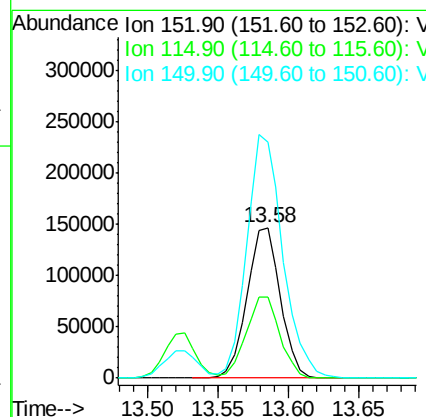
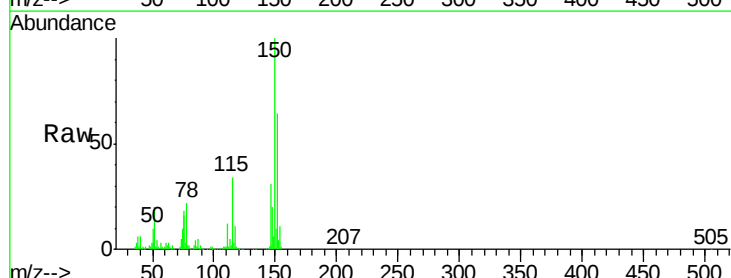
Manual Integrations
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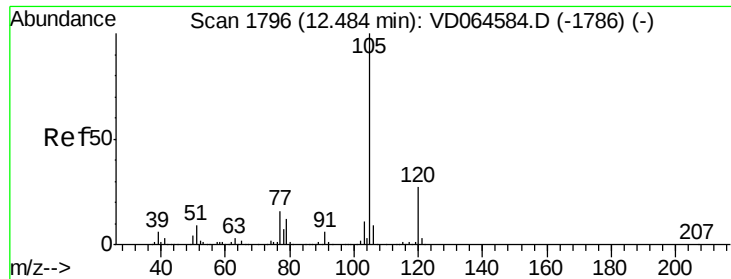
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.8	83.4
150	175.2	0.0	351.4





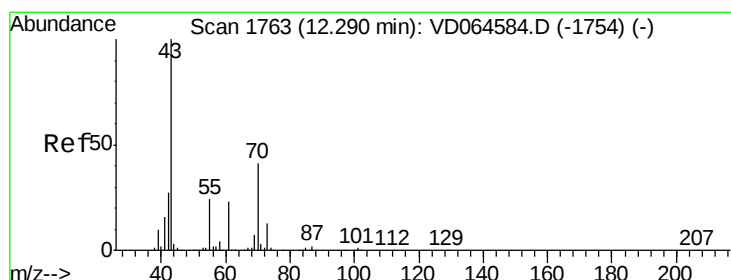
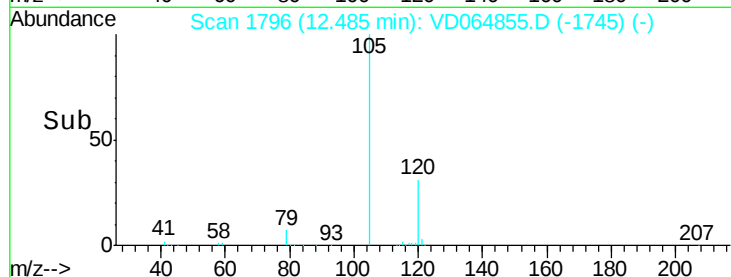
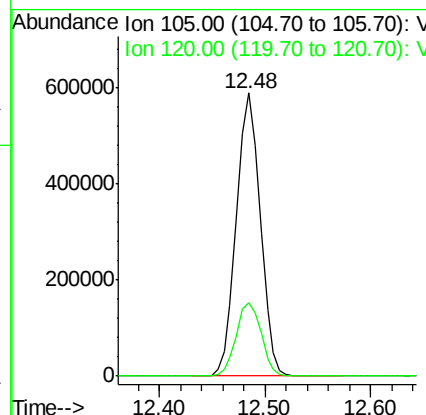
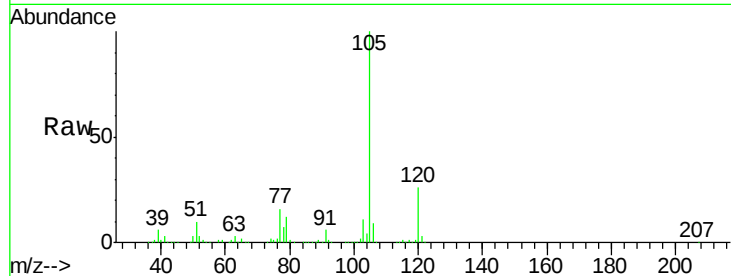
#73
Isopropylbenzene
Concen: 53.389 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.5	40.5

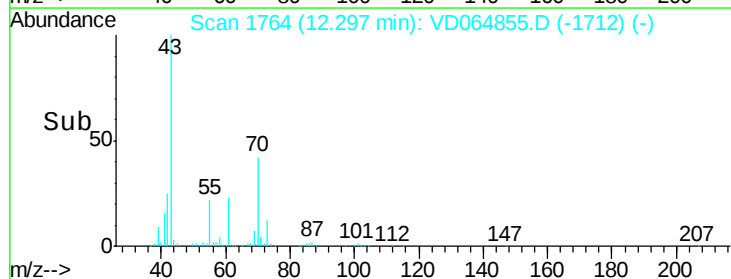
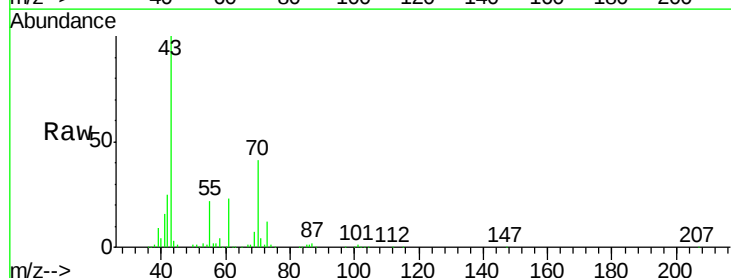
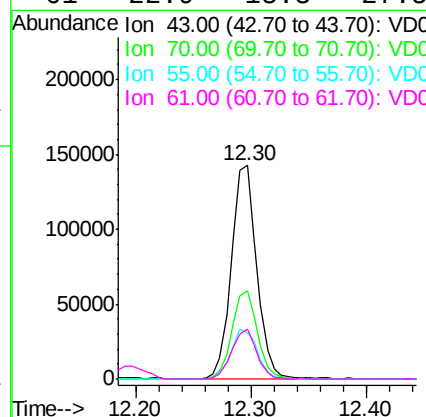
Manual Integrations
APPROVED

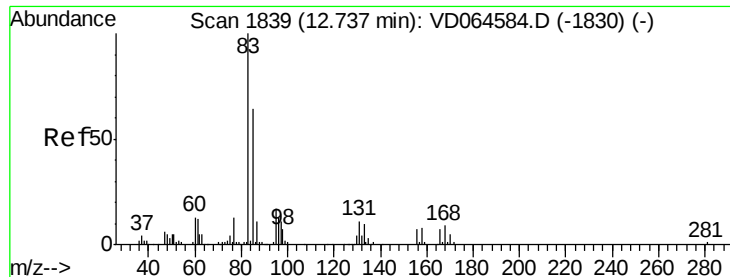
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#74
N-ethyl acetate
Concen: 58.990 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.1	33.4	50.0
55	24.1	19.4	29.0
61	22.9	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 57.490 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 155880

Ion Ratio Lower Upper

83 100

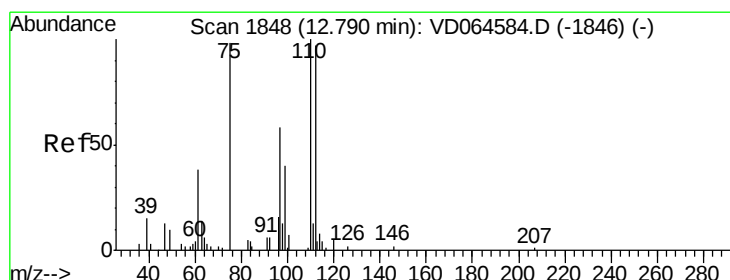
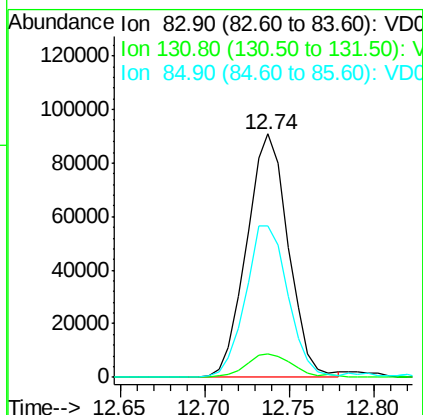
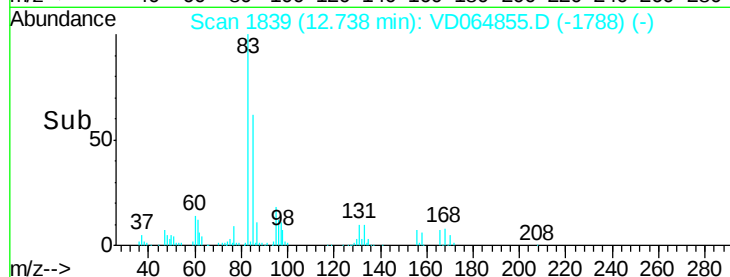
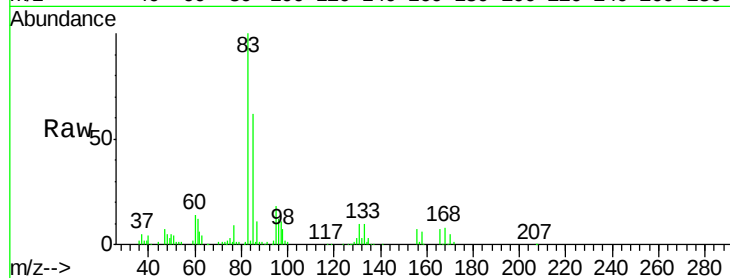
131 10.9 5.8 17.4

85 63.6 32.3 96.9

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#76

1,2,3-Trichloropropane

Concen: 64.901 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064855.D

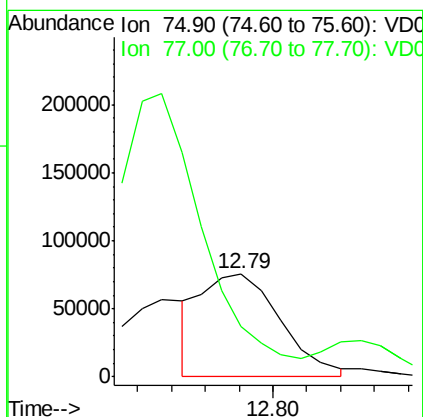
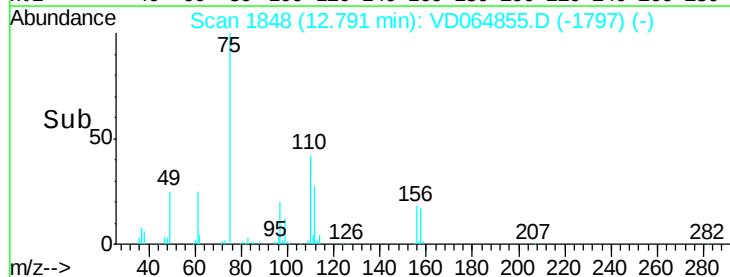
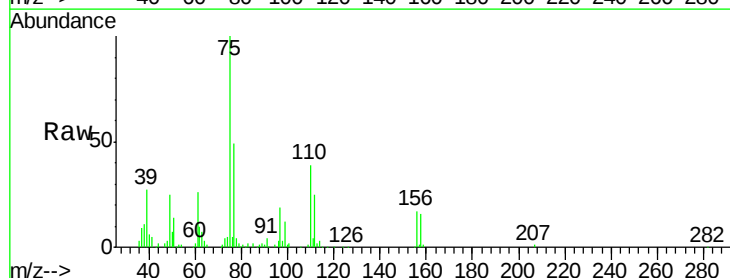
Acq: 13 Jan 2020 17:57

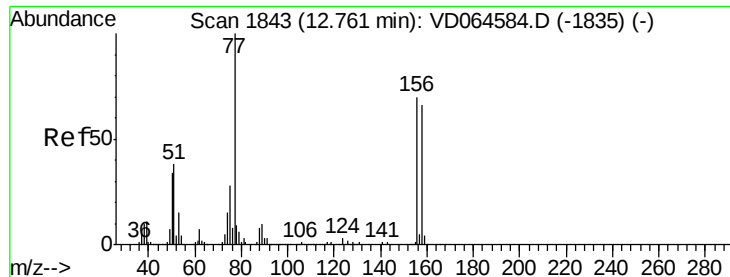
Tgt Ion: 75 Resp: 123785

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 54.624 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 231666

Ion Ratio Lower Upper

156 100

77 167.5 80.9 242.7

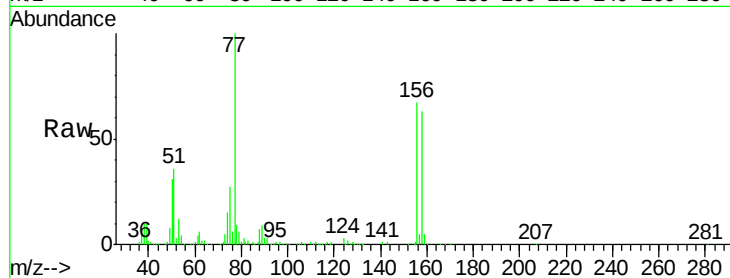
158 95.3 48.0 144.2

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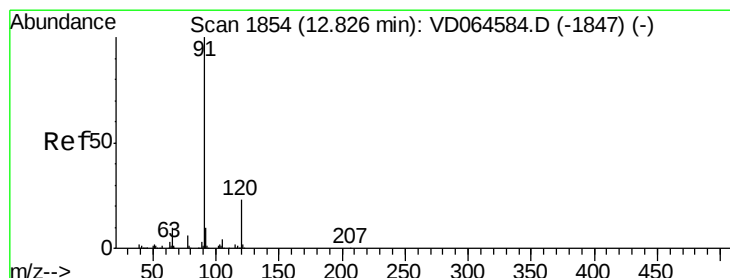
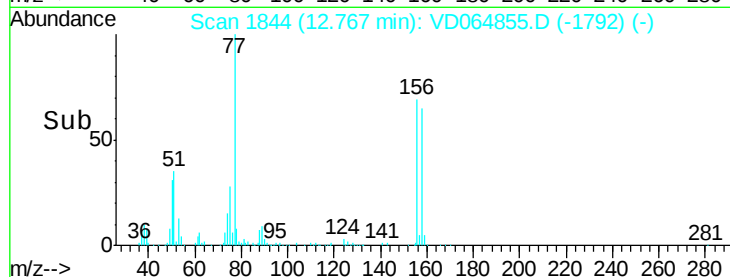
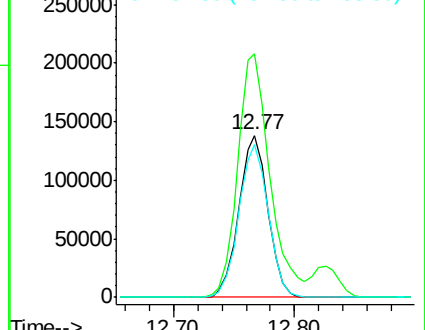
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.269 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064855.D

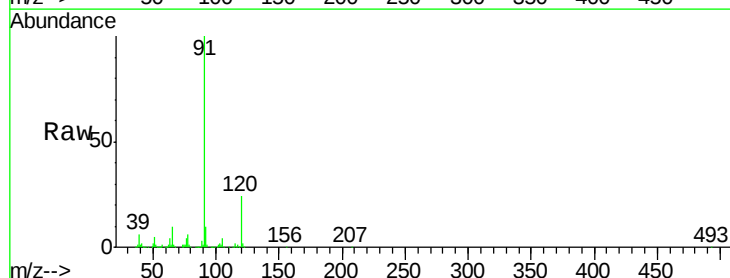
Acq: 13 Jan 2020 17:57

Tgt Ion: 91 Resp: 1072640

Ion Ratio Lower Upper

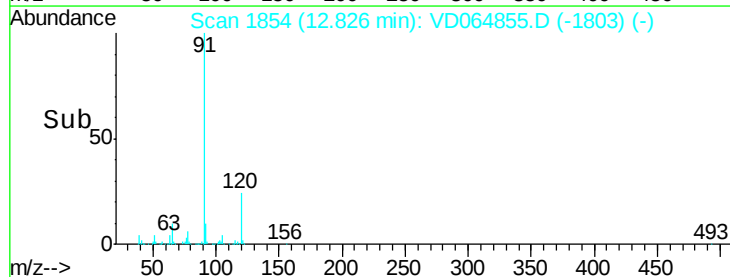
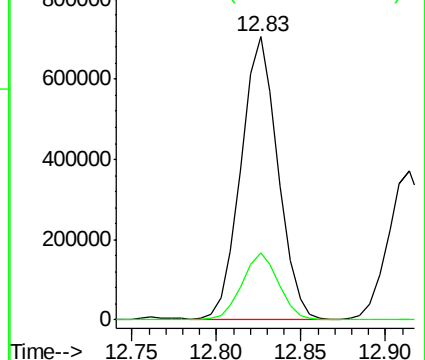
91 100

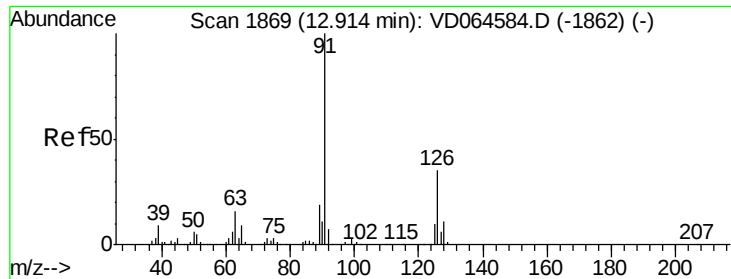
120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.231 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 599891

Ion Ratio Lower Upper

91 100

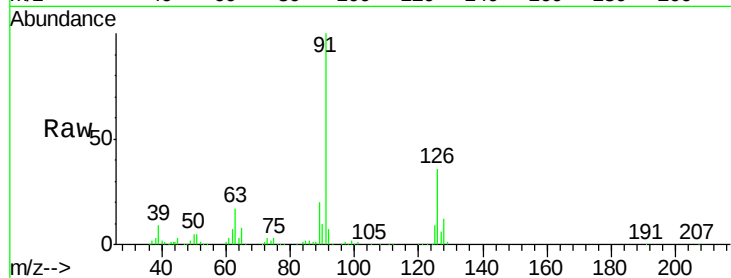
126 35.6 17.8 53.5

Manual Integrations

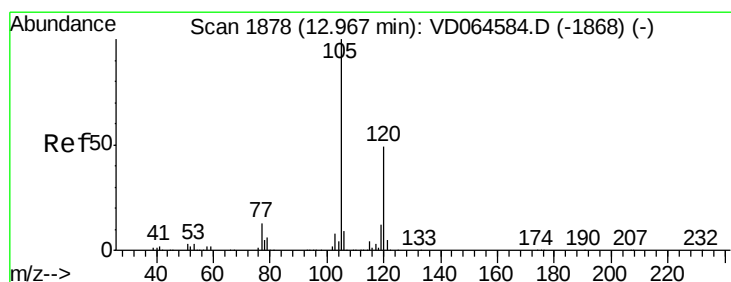
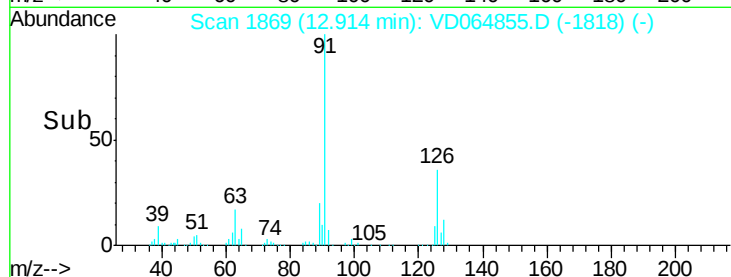
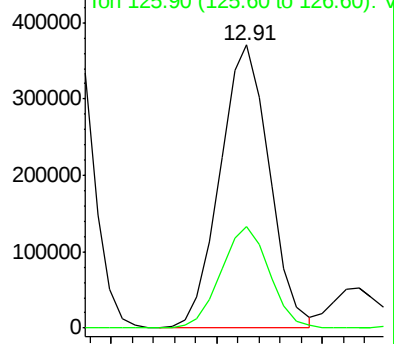
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Abundance Ion 91.00 (90.70 to 91.70): VD064855.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.888 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064855.D

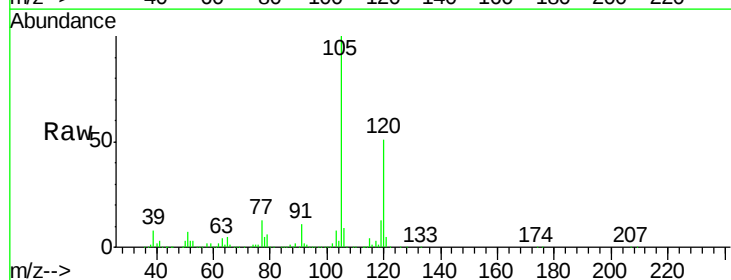
Acq: 13 Jan 2020 17:57

Tgt Ion: 105 Resp: 764051

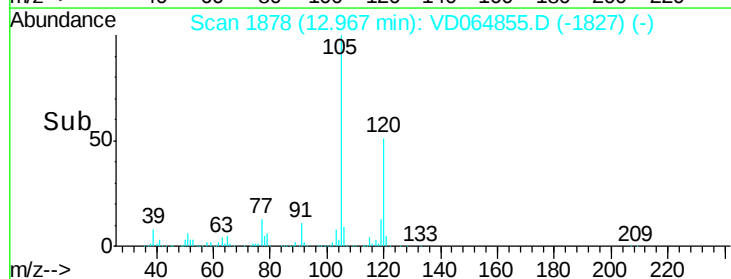
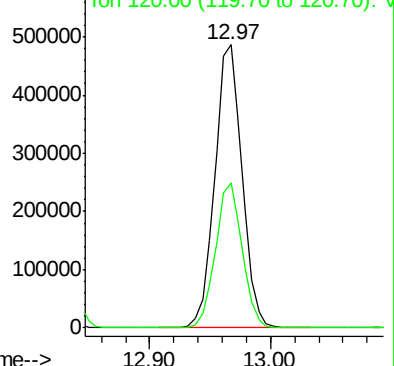
Ion Ratio Lower Upper

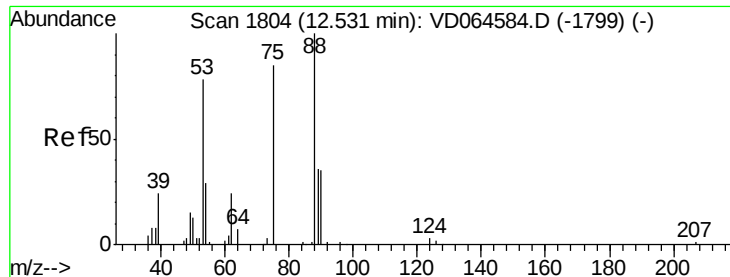
105 100

120 50.4 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VD064855.D (-1827) (-)





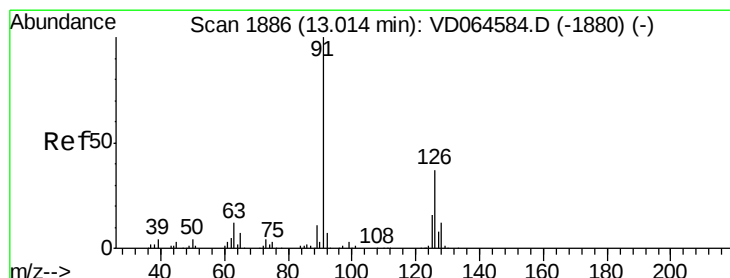
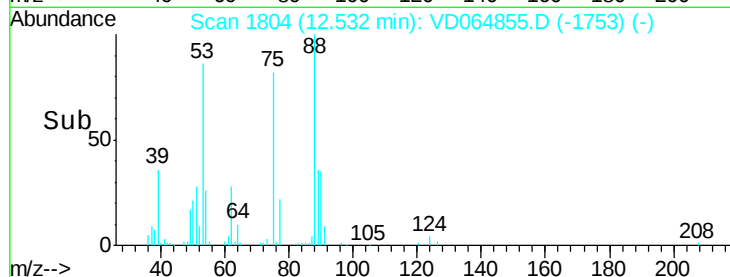
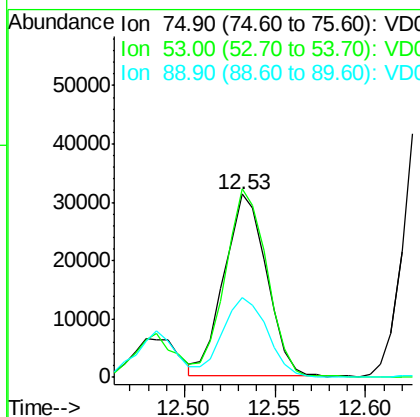
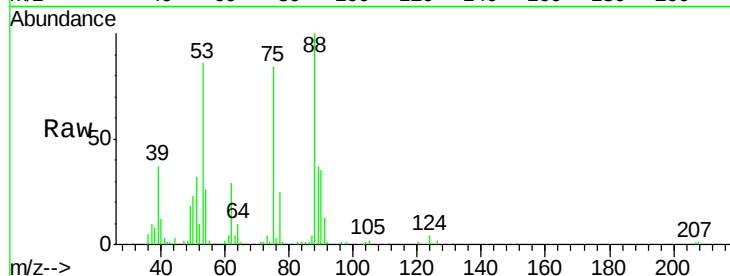
#81
trans-1,4-Dichloro-2-butene
Concen: 55.650 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 50749
Ion Ratio Lower Upper
75 100
53 103.2 78.8 118.2
89 45.3 38.3 57.5

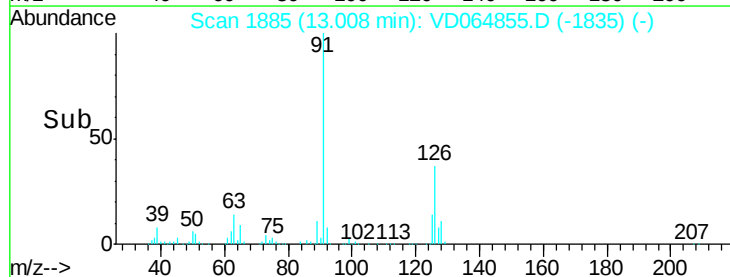
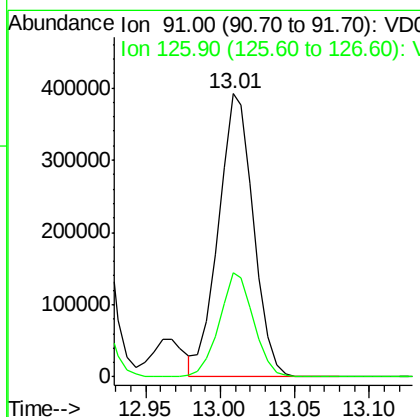
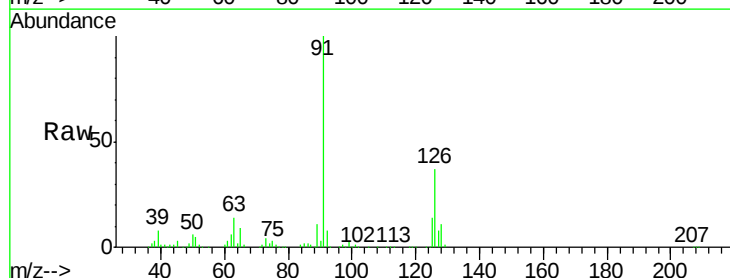
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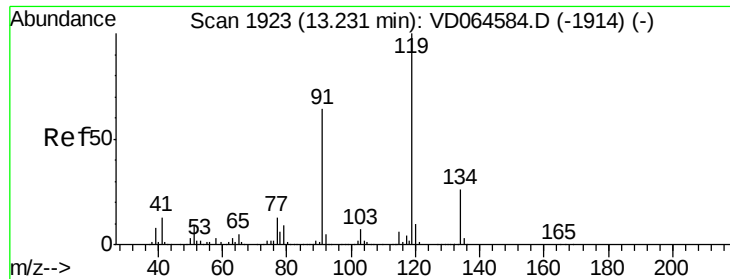
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#82
4-Chlorotoluene
Concen: 54.552 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion: 91 Resp: 642171
Ion Ratio Lower Upper
91 100
126 35.8 17.8 53.5





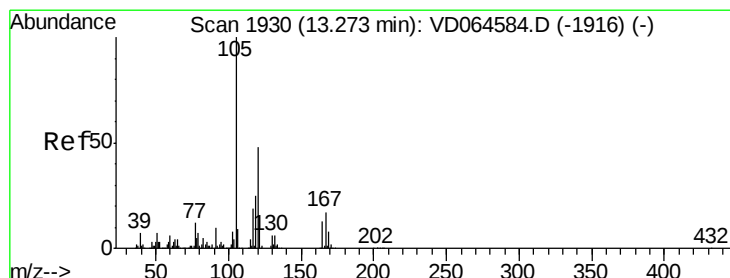
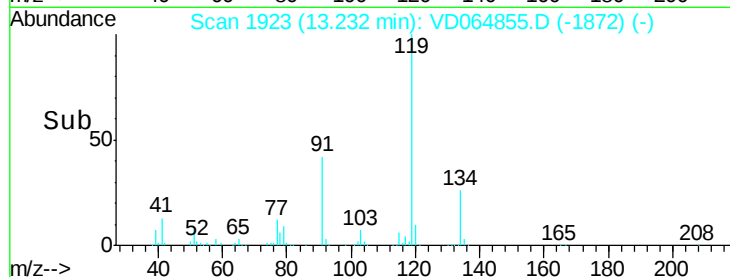
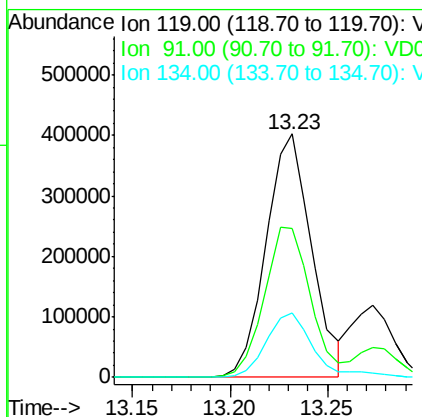
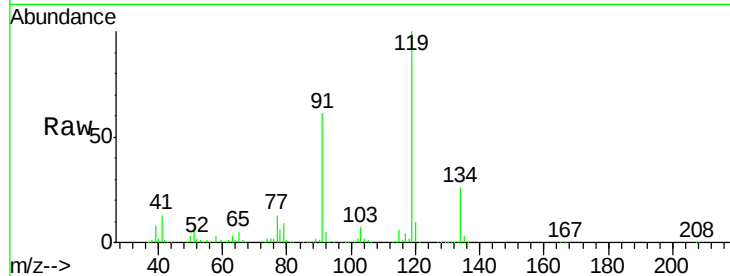
#83
tert-Butylbenzene
Concen: 52.798 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.4	30.8	92.4
134	27.5	12.8	38.3

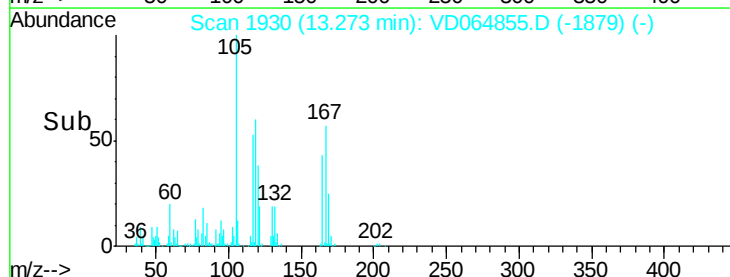
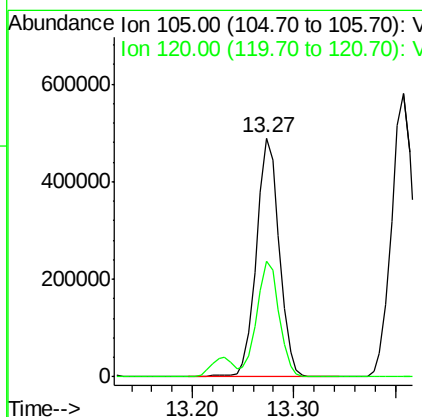
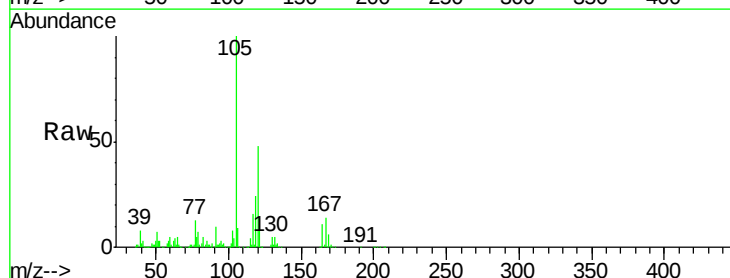
Manual Integrations
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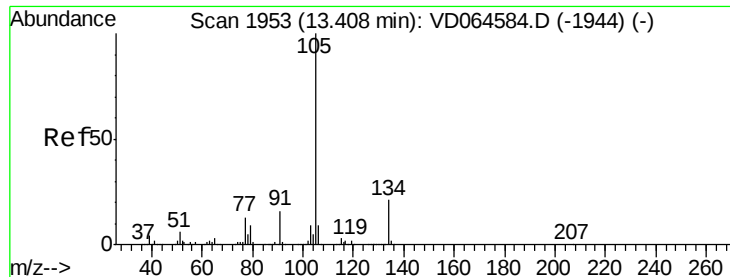
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#84
1,2,4-Trimethylbenzene
Concen: 54.258 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.8	71.2





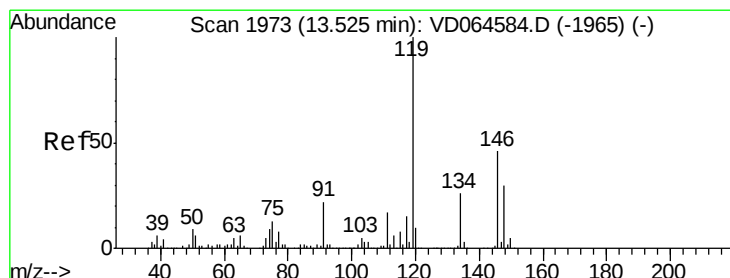
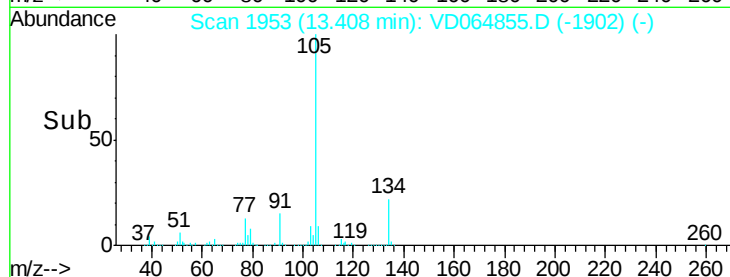
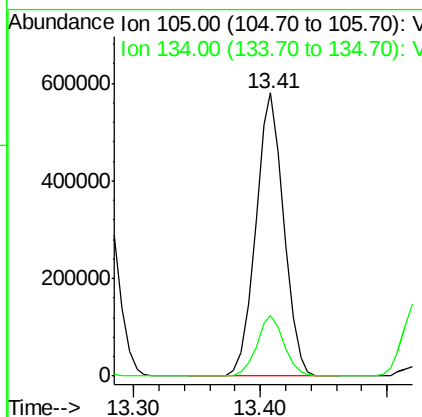
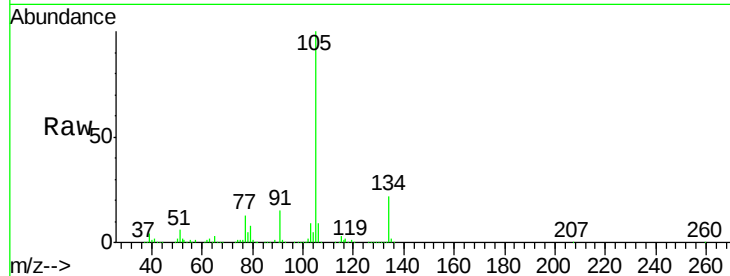
#85
 sec-Butylbenzene
 Concen: 52.836 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.6	31.8

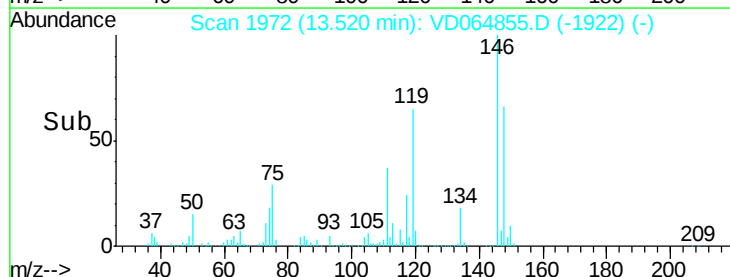
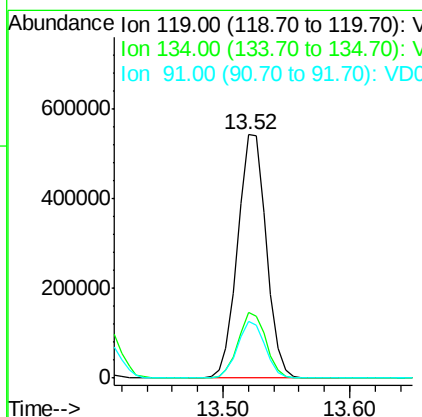
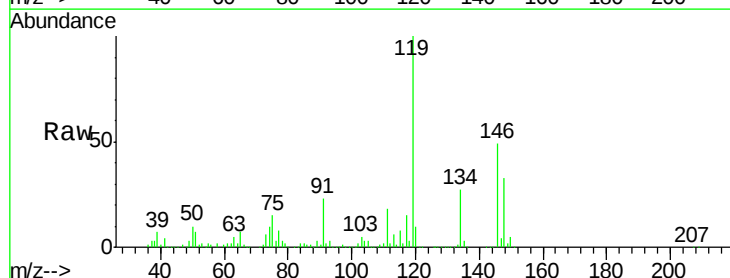
Manual Integrations
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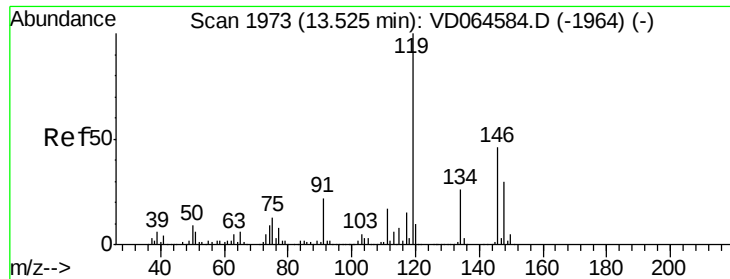
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#86
 p-Isopropyltoluene
 Concen: 52.292 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.4	40.1
91	22.6	11.2	33.6





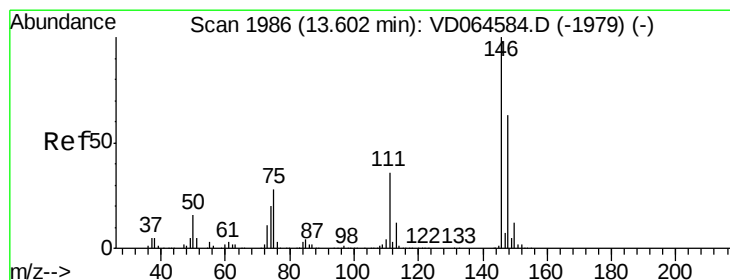
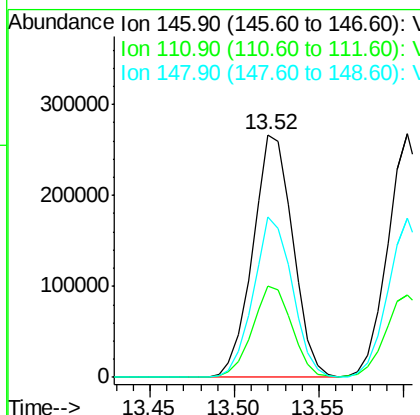
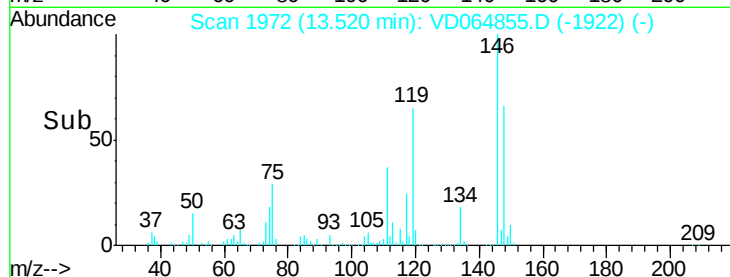
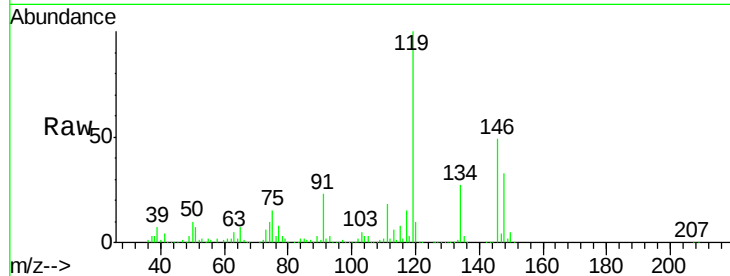
#87
 1,3-Dichlorobenzene
 Concen: 54.368 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.8	56.4
148	64.2	32.5	97.5

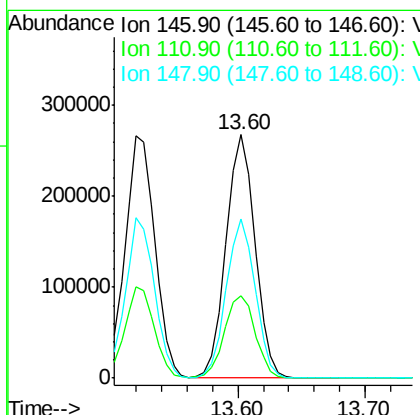
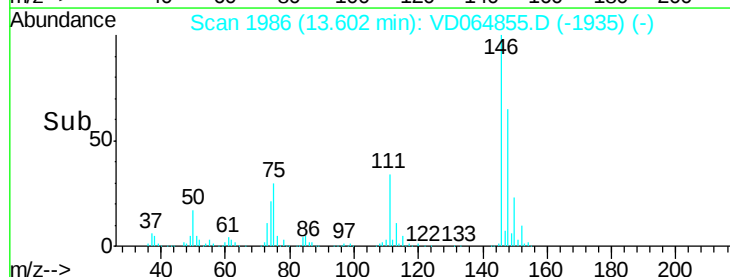
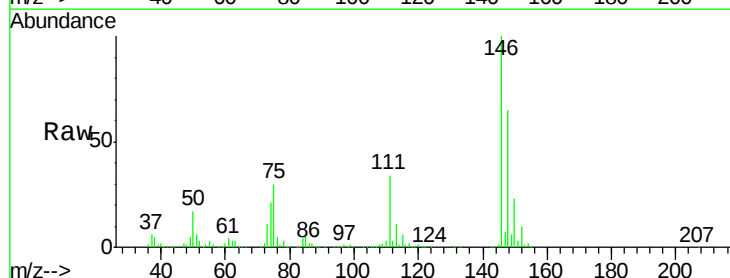
Manual Integrations
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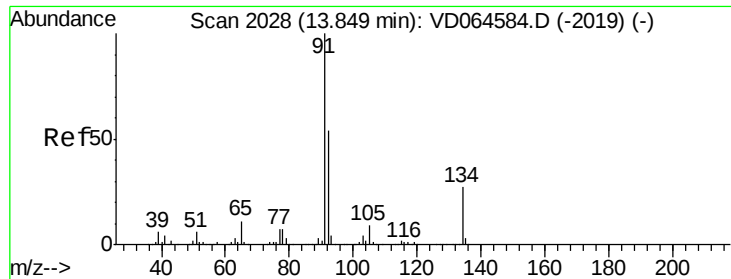
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#88
 1,4-Dichlorobenzene
 Concen: 53.290 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.1	54.1
148	65.3	32.3	96.9





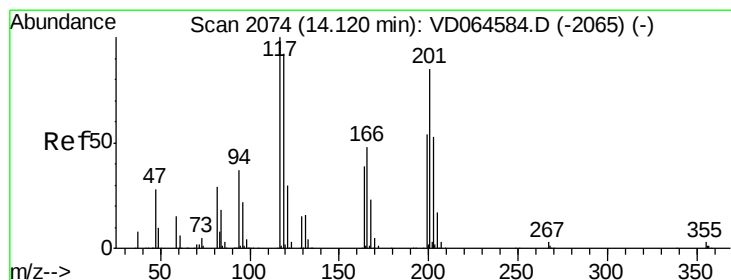
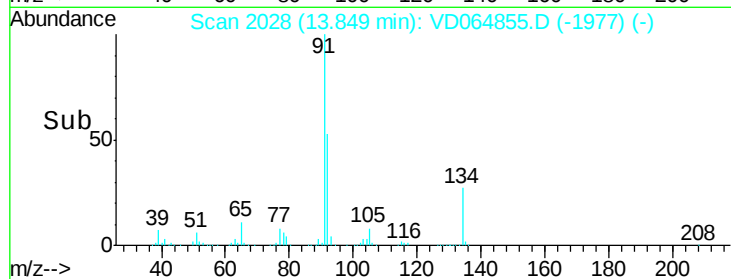
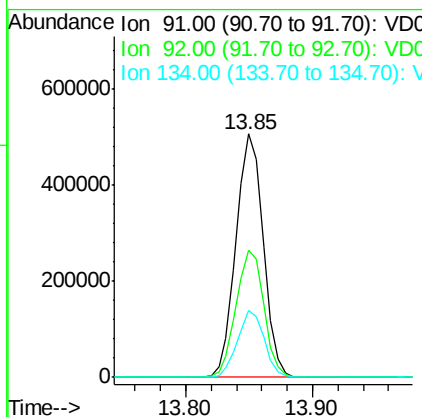
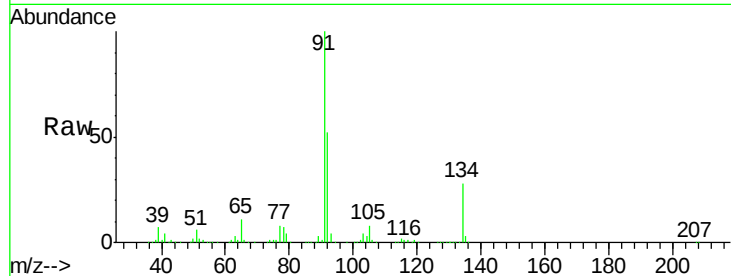
#89
n-Butylbenzene
Concen: 51.754 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.8	80.4
134	27.1	14.0	41.9

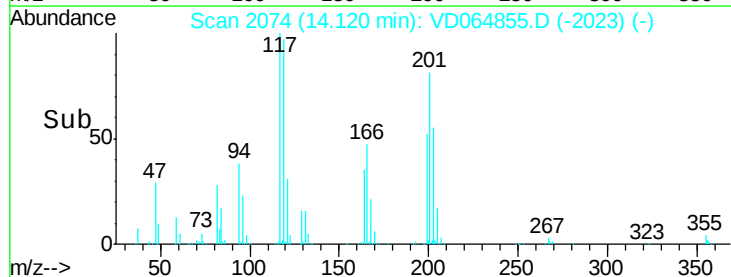
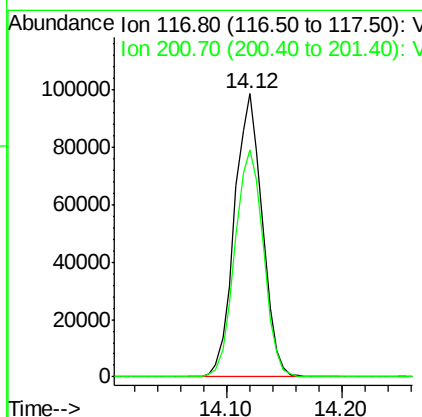
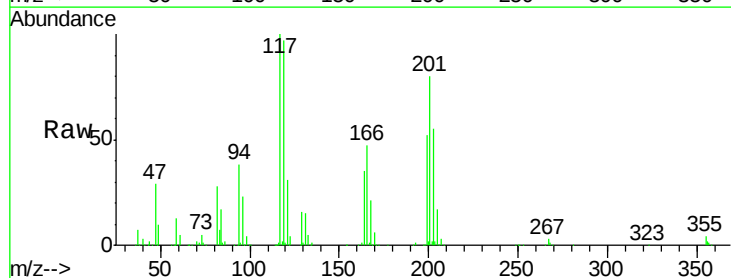
Manual Integrations
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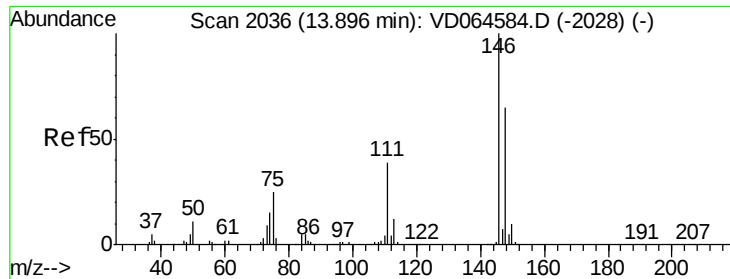
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#90
Hexachloroethane
Concen: 53.529 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.0	44.0	131.8





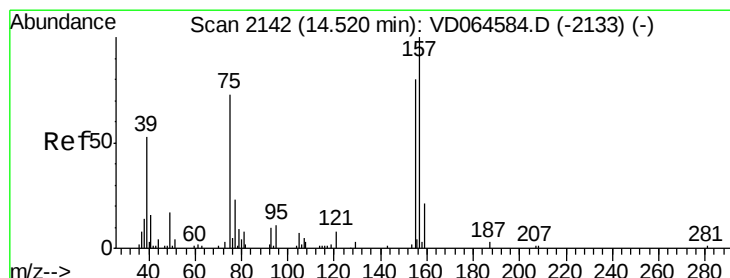
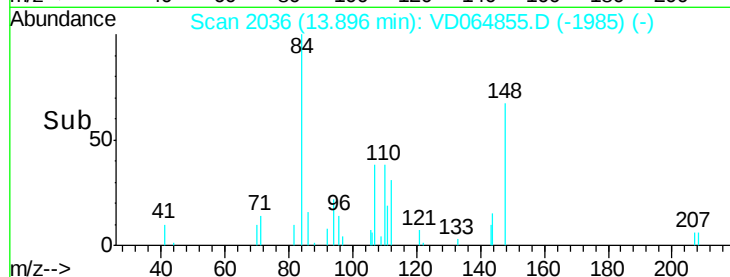
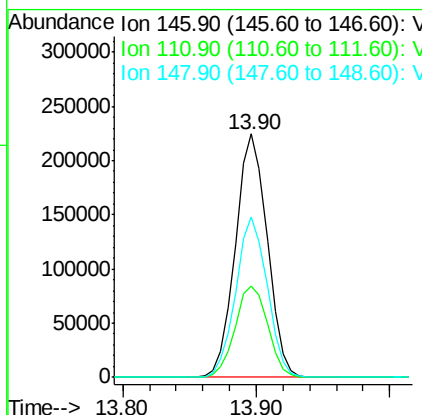
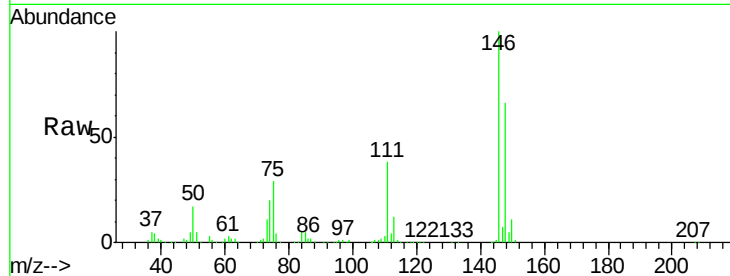
#91
 1,2-Dichlorobenzene
 Concen: 53.825 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.3	57.9
148	65.2	31.9	95.5

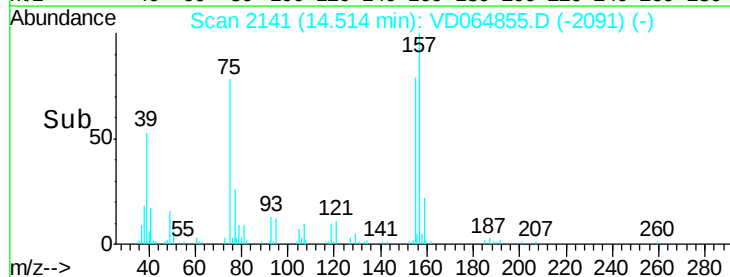
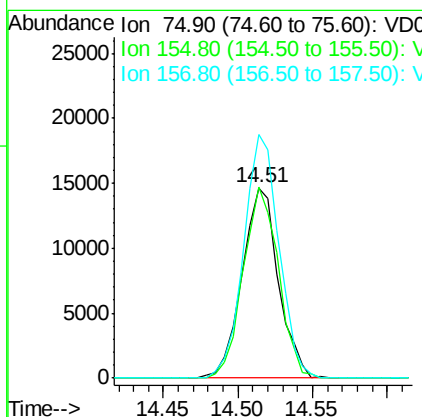
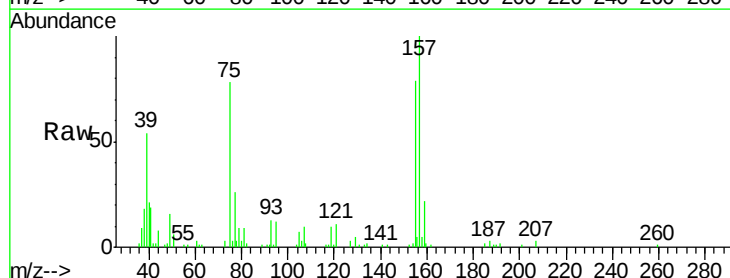
Manual Integrations
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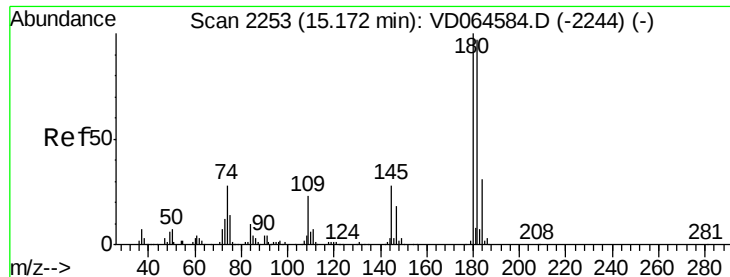
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.291 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.8	48.0	144.0
157	123.0	64.1	192.3





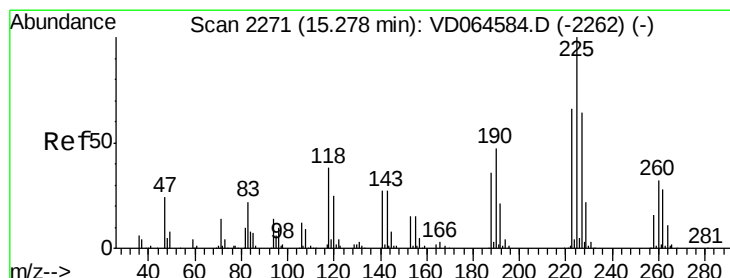
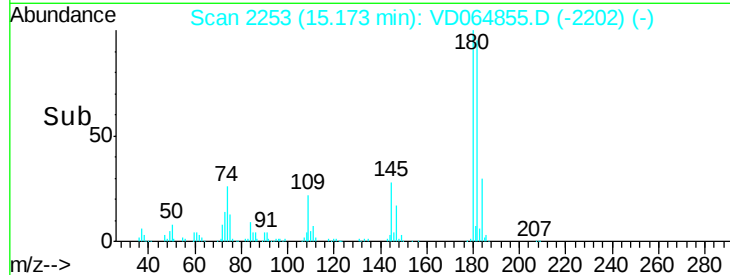
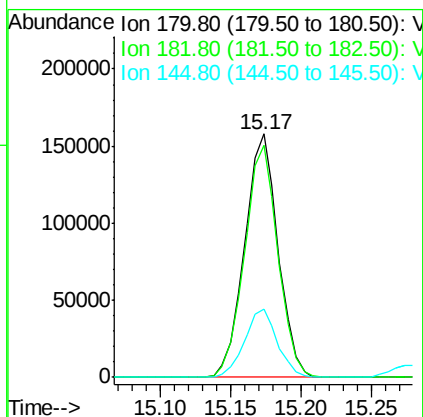
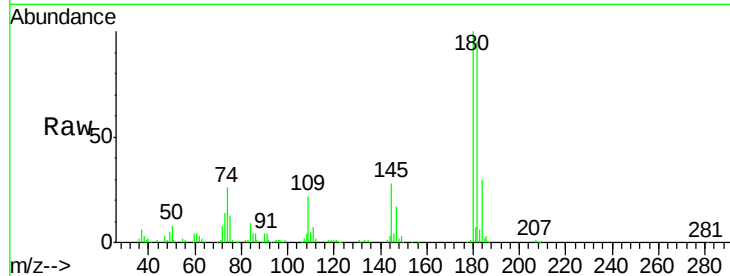
#93
 1,2,4-Trichlorobenzene
 Concen: 51.527 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	261563		
182	95.3	48.0	144.2	
145	27.4	13.8	41.4	

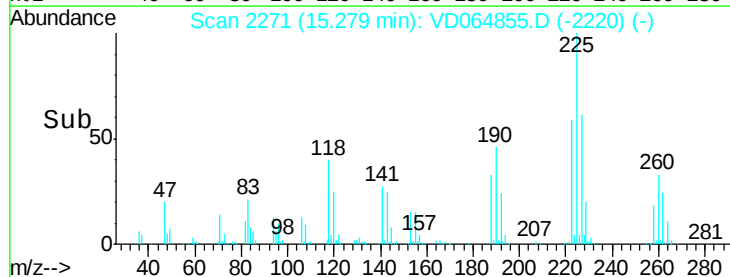
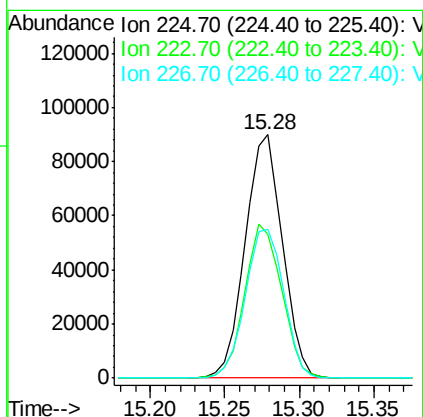
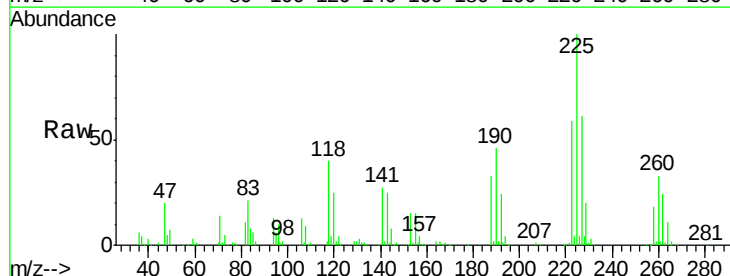
Manual Integrations
 APPROVED

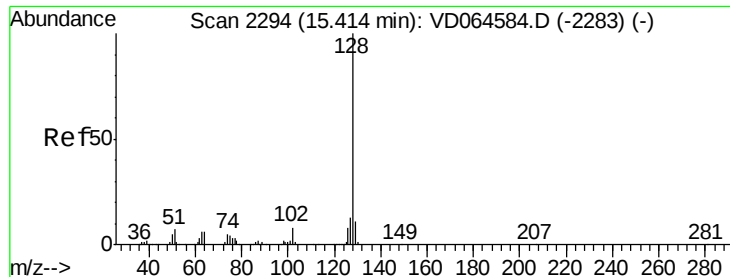
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 48.661 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	155440		
223	62.6	31.1	93.2	
227	62.9	30.9	92.7	





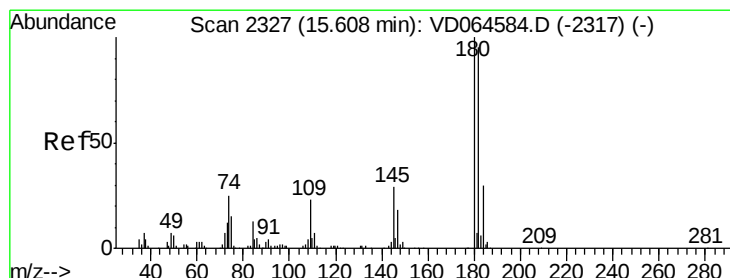
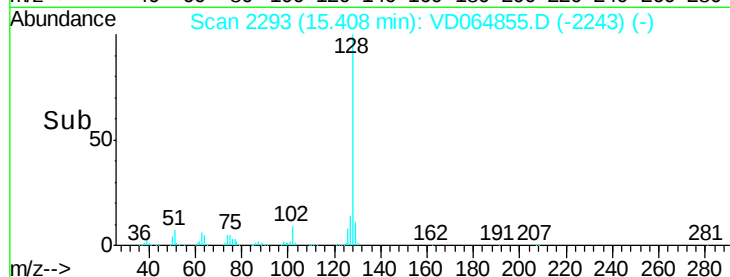
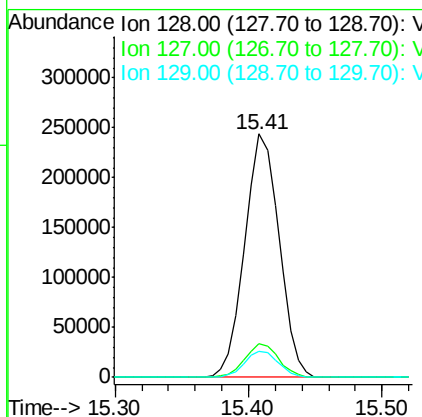
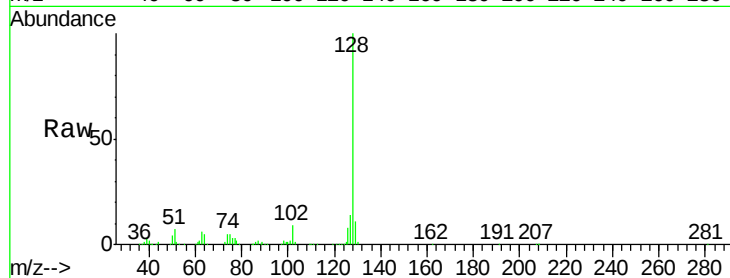
#95
Naphthalene
Concen: 54.283 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.3	15.5
129	10.8	8.5	12.7

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 51.963 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.7
145	30.1	14.9	44.7

