

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011320\
 Data File : VD064841.D
 Acq On : 13 Jan 2020 11:01
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/14/2020 1:29:55 PM

Quant Time: Jan 14 11:36:31 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	429155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	619377	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	542127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	271769	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	214476	56.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.36%	
35) Dibromofluoromethane	7.92	113	210150	55.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.60%	
50) Toluene-d8	10.34	98	795338	54.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.30%	
62) 4-Bromofluorobenzene	12.64	95	255850	55.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	145864	43.735	ug/l	100
3) Chloromethane	2.21	50	225866	48.423	ug/l	96
4) Vinyl Chloride	2.35	62	266840	46.919	ug/l	97
5) Bromomethane	2.77	94	181349	43.855	ug/l	96
6) Chloroethane	2.92	64	181110	47.526	ug/l	97
7) Trichlorofluoromethane	3.27	101	442738	46.234	ug/l	96
8) Diethyl Ether	3.71	74	98167	51.624	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	202092	50.959	ug/l	98
10) Methyl Iodide	4.30	142	218135	51.207	ug/l	100
11) Tert butyl alcohol	5.24	59	59023	272.151	ug/l	97
12) 1,1-Dichloroethene	4.06	96	186055	49.278	ug/l	98
13) Acrolein	3.93	56	67531	223.428	ug/l	99
14) Allyl chloride	4.71	41	315991	53.679	ug/l	99
15) Acrylonitrile	5.43	53	212353	268.099	ug/l	99
16) Acetone	4.16	43	262968	344.516	ug/l	94
17) Carbon Disulfide	4.40	76	545734	44.701	ug/l	100
18) Methyl Acetate	4.72	43	115629	54.274	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	453047	54.023	ug/l	98
20) Methylene Chloride	4.96	84	211431	55.131	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	217158	50.503	ug/l	97
22) Diisopropyl ether	6.37	45	654590	55.750	ug/l	97
23) Vinyl Acetate	6.31	43	1823741	273.814	ug/l	99
24) 1,1-Dichloroethane	6.26	63	388971	55.182	ug/l	98
25) 2-Butanone	7.22	43	300084	288.488	ug/l	99
26) 2,2-Dichloropropane	7.21	77	359326	54.828	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	245319	52.864	ug/l	96
28) Bromochloromethane	7.55	49	148149	54.067	ug/l	98
29) Tetrahydrofuran	7.57	42	174875	270.339	ug/l	96
30) Chloroform	7.71	83	405047	54.770	ug/l	98
31) Cyclohexane	7.98	56	337919	47.892	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	374131	53.861	ug/l	99
36) 1,1-Dichloropropene	8.11	75	314309	52.723	ug/l	99
37) Ethyl Acetate	7.30	43	125039	53.390	ug/l	97
38) Carbon Tetrachloride	8.10	117	338493	53.250	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	359255	49.755	ug/l	97
40) Benzene	8.36	78	866993	53.274	ug/l	99
41) Methacrylonitrile	7.53	41	71183	52.386	ug/l	92
42) 1,2-Dichloroethane	8.43	62	259285	55.134	ug/l	98
43) Isopropyl Acetate	8.46	43	245694	52.707	ug/l	99
44) Trichloroethene	9.11	130	244284	51.096	ug/l	99
45) 1,2-Dichloropropane	9.39	63	217631	56.009	ug/l	93
46) Dibromomethane	9.48	93	115621	53.370	ug/l	99
47) Bromodichloromethane	9.67	83	310349	53.836	ug/l	99
48) Methyl methacrylate	9.46	41	116301	52.987	ug/l	92
49) 1,4-Dioxane	9.47	88	26681	1068.092	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	632596	274.554	ug/l	99
52) Toluene	10.41	92	569620	53.350	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	291326	54.205	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	345711	54.551	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	157875	54.074	ug/l	94
56) Ethyl methacrylate	10.67	69	195214	53.539	ug/l	97
57) 1,3-Dichloropropane	10.95	76	270731	53.856	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	316977	228.177	ug/l	100
59) 2-Hexanone	10.99	43	481080	307.630	ug/l	98
60) Dibromochloromethane	11.14	129	217743	53.931	ug/l	99
61) 1,2-Dibromoethane	11.25	107	151279	52.534	ug/l	99
64) Tetrachloroethene	10.88	164	222771	53.562	ug/l	98
65) Chlorobenzene	11.67	112	599250	53.258	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	233731	55.103	ug/l	98
67) Ethyl Benzene	11.75	91	1100139	53.869	ug/l	99
68) m/p-Xylenes	11.86	106	854533	108.406	ug/l	97
69) o-Xylene	12.18	106	382551	53.729	ug/l	98
70) Styrene	12.20	104	701506	56.131	ug/l	99
71) Bromoform	12.37	173	125216	51.764	ug/l #	100
73) Isopropylbenzene	12.48	105	1056226	54.385	ug/l	99
74) N-amyl acetate	12.30	43	225044	54.207	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	162990	53.424	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	124327m	57.933	ug/l	
77) Bromobenzene	12.77	156	251421	52.686	ug/l	98
78) n-propylbenzene	12.83	91	1243590	54.887	ug/l	98
79) 2-Chlorotoluene	12.91	91	681389	54.745	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	870719	54.578	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	55405	53.996	ug/l	96
82) 4-Chlorotoluene	13.01	91	725192	54.750	ug/l	100
83) tert-Butylbenzene	13.23	119	748042	54.004	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	874028	55.009	ug/l	97
85) sec-Butylbenzene	13.41	105	1043393	54.945	ug/l	98
86) p-Isopropyltoluene	13.53	119	985576	54.278	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	491706	54.050	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	476243	53.290	ug/l	99
89) n-Butylbenzene	13.85	91	895535	54.766	ug/l	99
90) Hexachloroethane	14.12	117	184476	53.185	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	411519	53.050	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	27101	54.796	ug/l	89

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QLast Update : Tue Dec 24 13:19:06 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	291060	50.958	ug/l	100
94) Hexachlorobutadiene	15.28	225	183187	50.967	ug/l	99
95) Naphthalene	15.41	128	467301	51.715	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	244520	50.146	ug/l	99

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

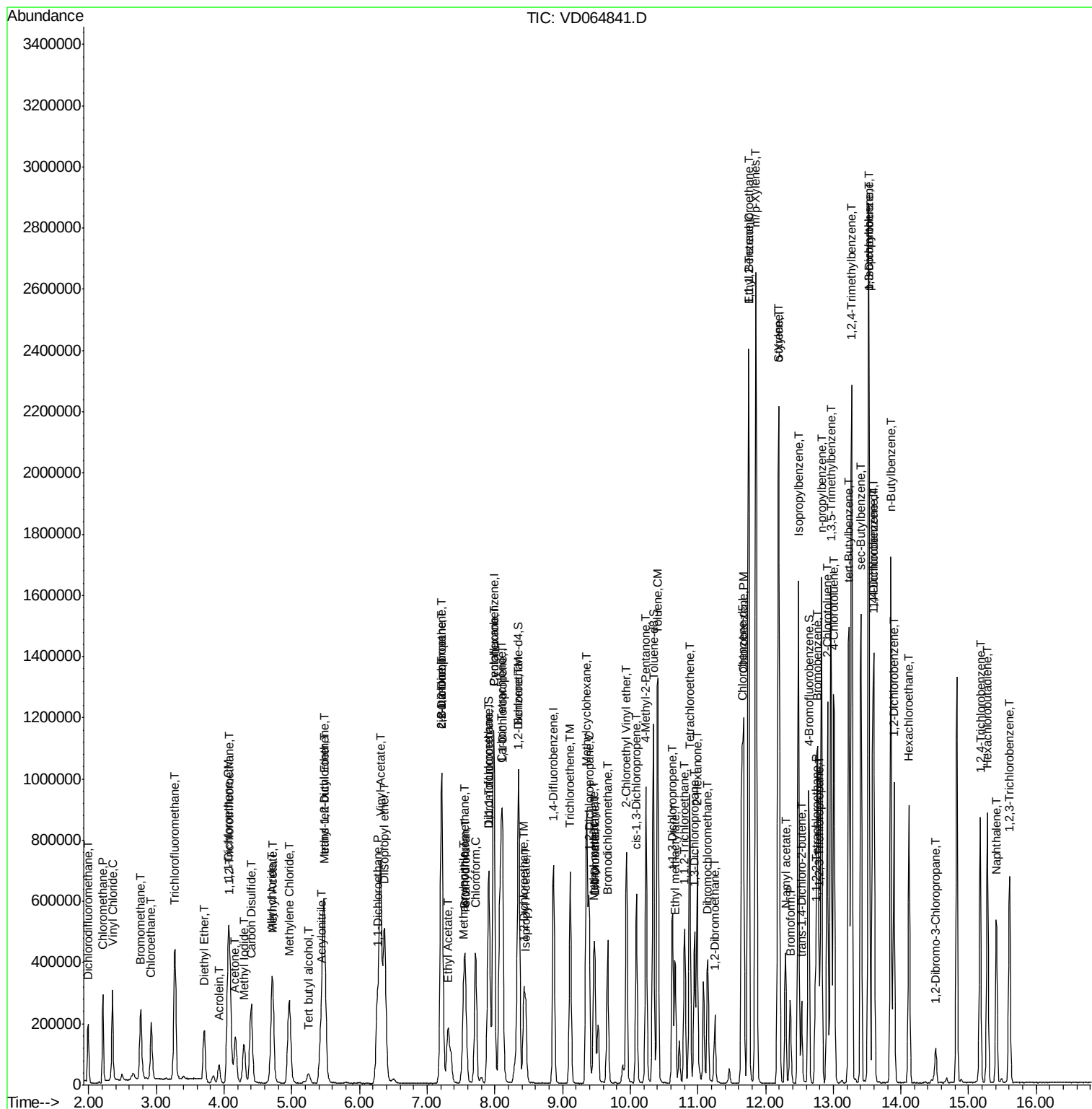
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Data File : VD064841.D
Acq On : 13 Jan 2020 11:01
Operator : VA/SY
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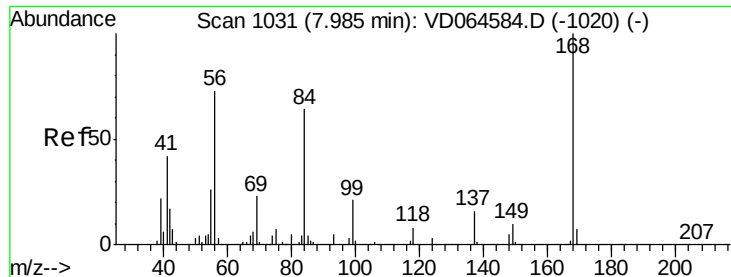
Instrument :
MSVOA_D
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 429155

Ion Ratio Lower Upper

168 100

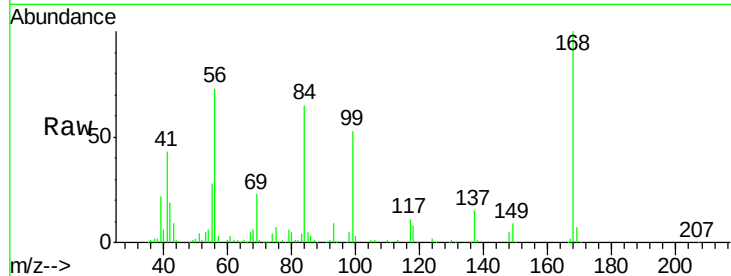
99 52.6 41.8 62.6

Manual Integrations

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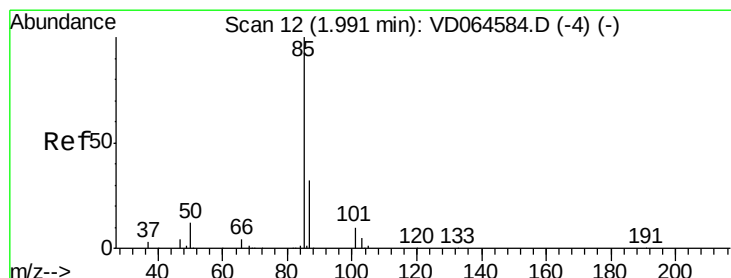
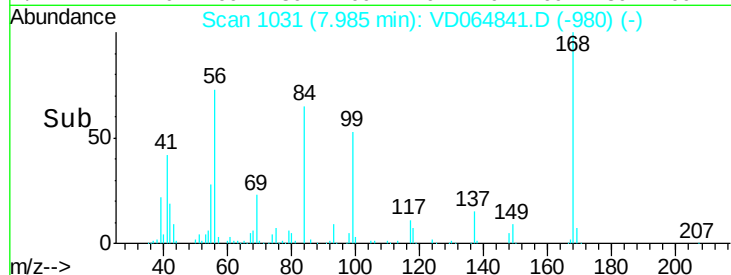
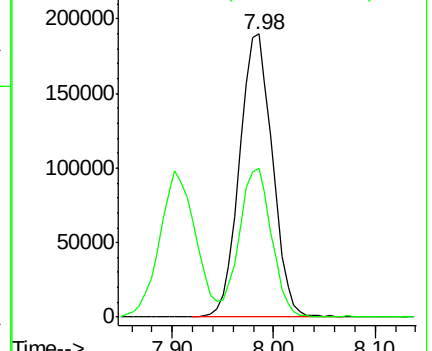
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 43.735 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064841.D

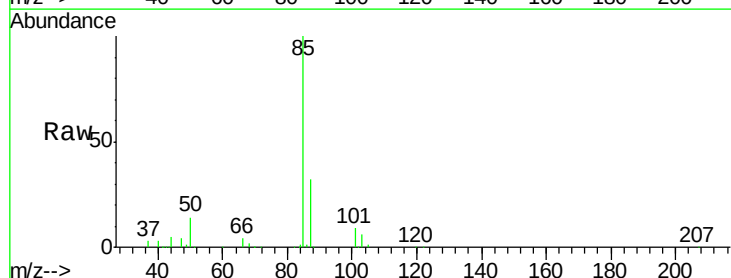
Acq: 13 Jan 2020 11:01

Tgt Ion: 85 Resp: 145864

Ion Ratio Lower Upper

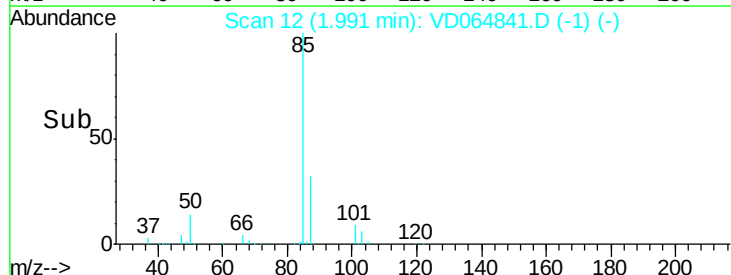
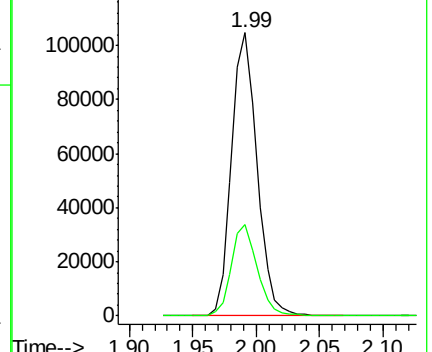
85 100

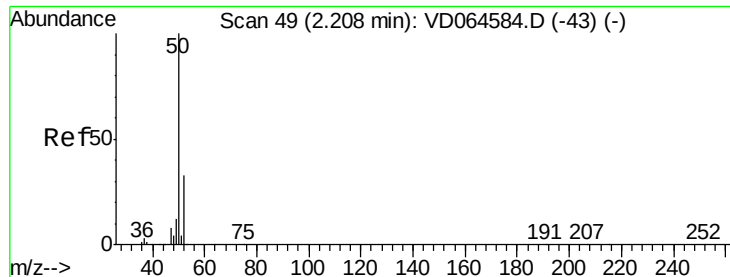
87 32.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.423 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 225866

Ion Ratio Lower Upper

50 100

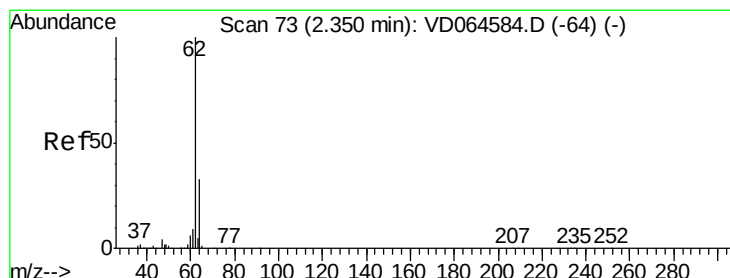
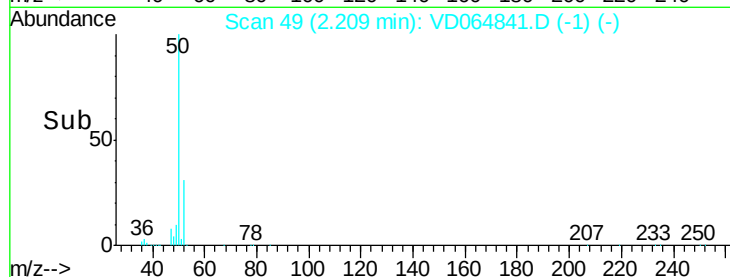
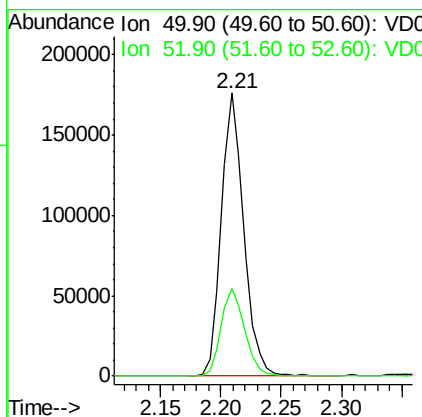
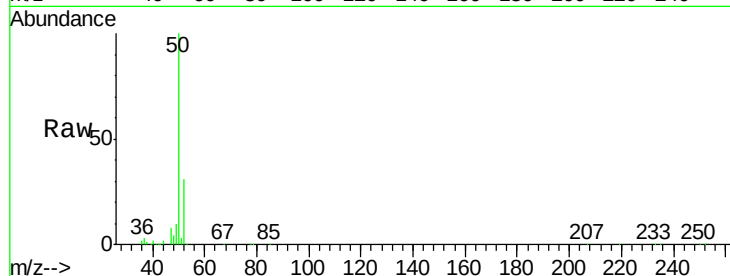
52 31.1 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.919 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064841.D

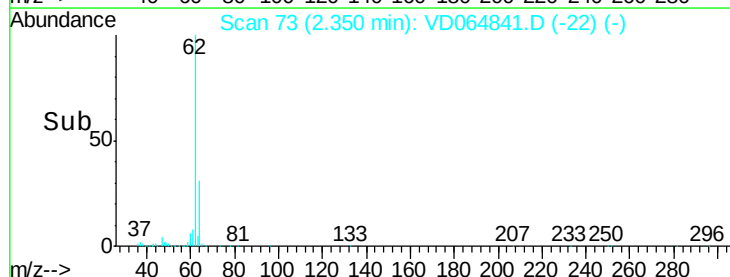
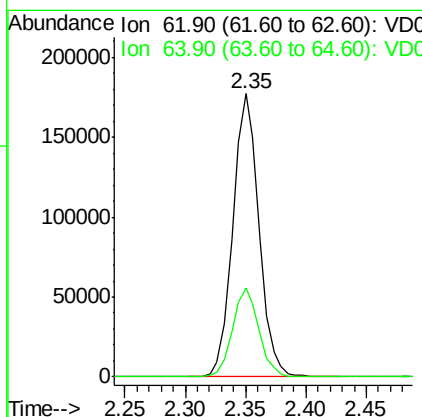
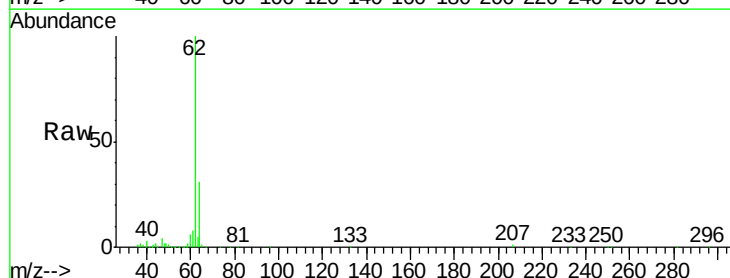
Acq: 13 Jan 2020 11:01

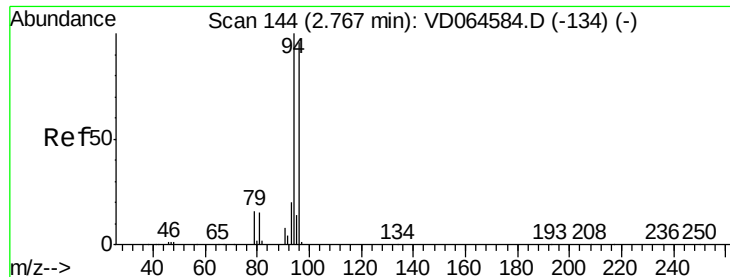
Tgt Ion: 62 Resp: 266840

Ion Ratio Lower Upper

62 100

64 31.4 26.6 40.0





#5

Bromomethane

Concen: 43.855 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 181349

Ion Ratio Lower Upper

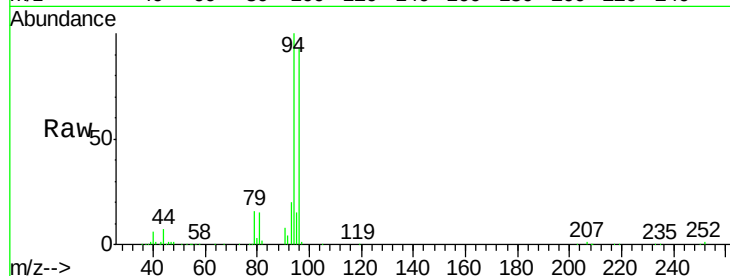
94 100

96 92.8 77.2 115.8

Manual Integrations
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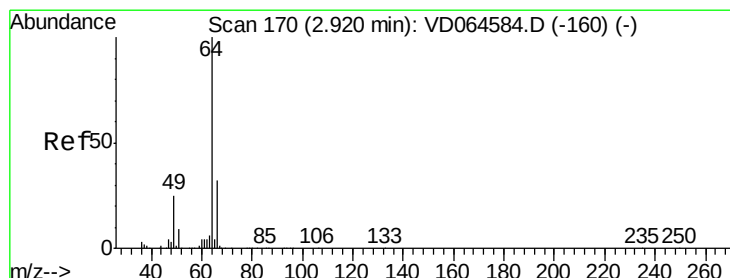
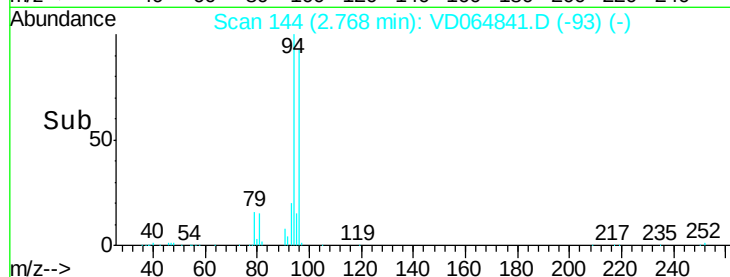
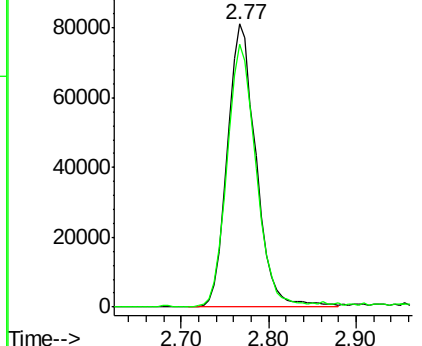
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.526 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064841.D

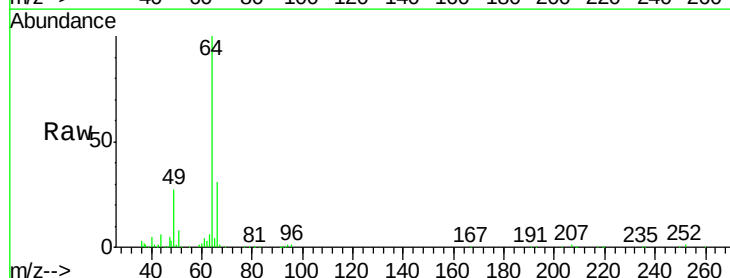
Acq: 13 Jan 2020 11:01

Tgt Ion: 64 Resp: 181110

Ion Ratio Lower Upper

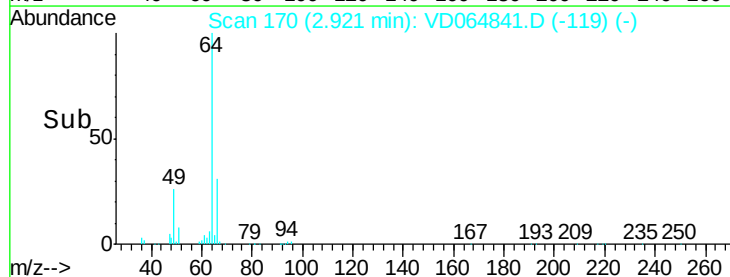
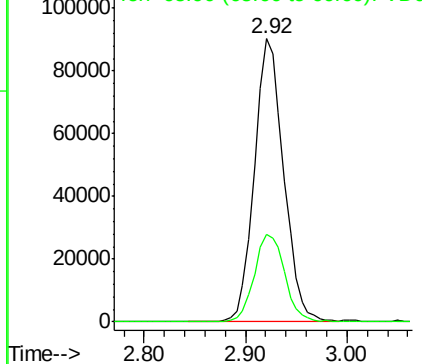
64 100

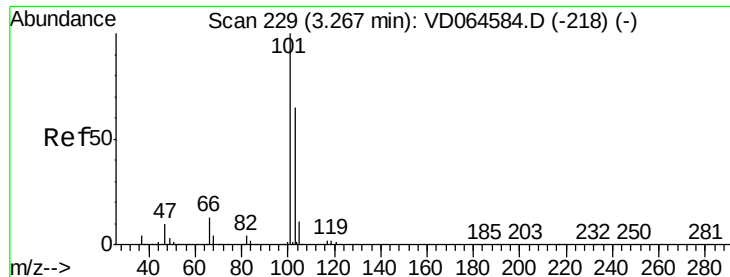
66 30.9 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

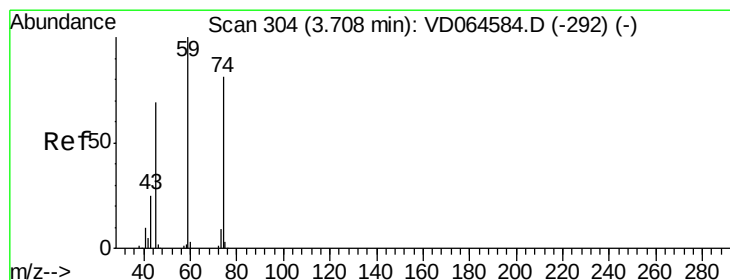
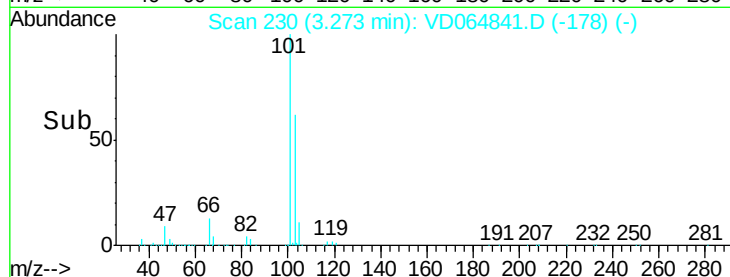
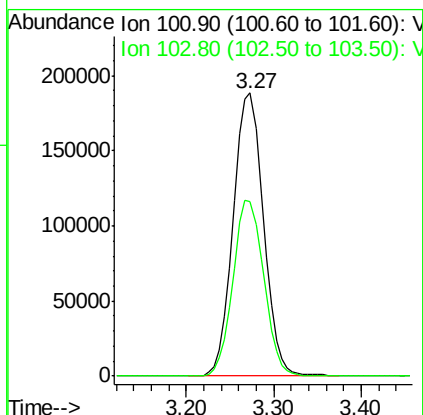
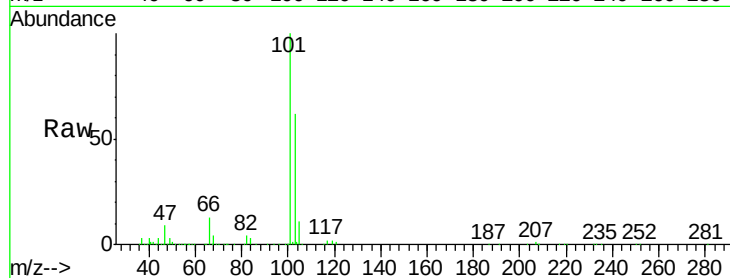
Trichlorofluoromethane
 Concen: 46.234 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.8	52.2	78.4

Manual Integrations
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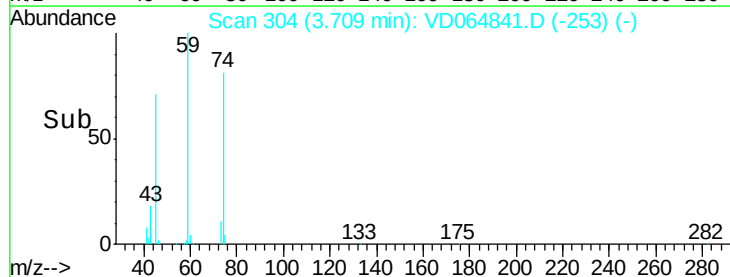
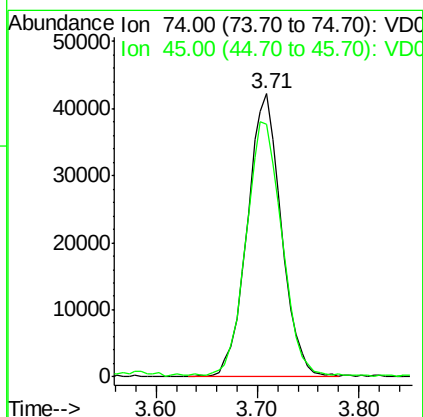
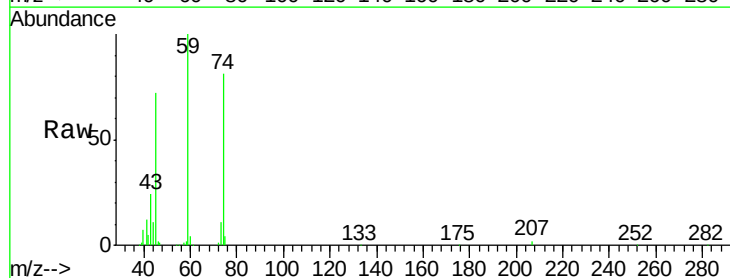
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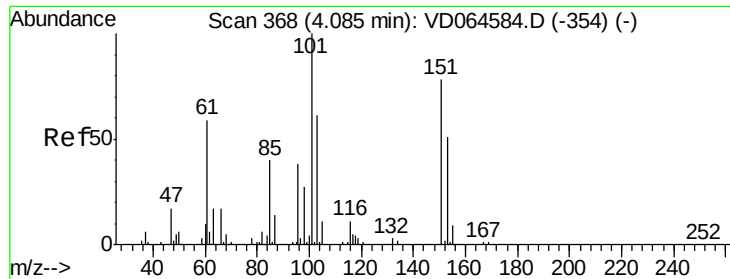


#8

Diethyl Ether
 Concen: 51.624 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.959 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

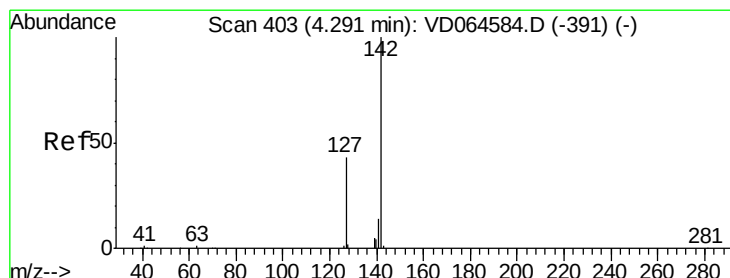
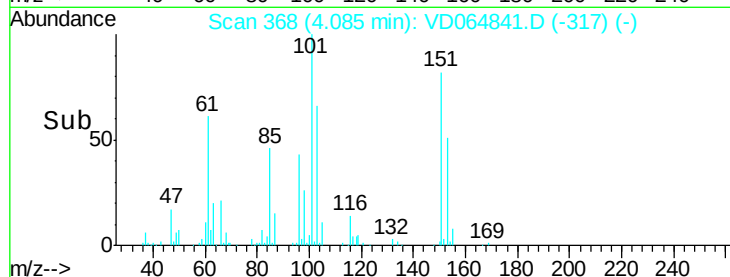
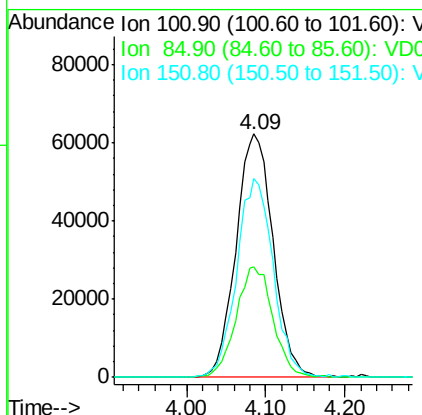
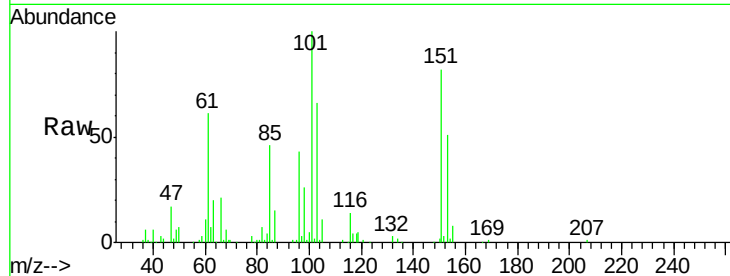
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	202092
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.2	52.8
151	80.3	66.2	99.4

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#10

Methyl Iodide

Concen: 51.207 ug/l

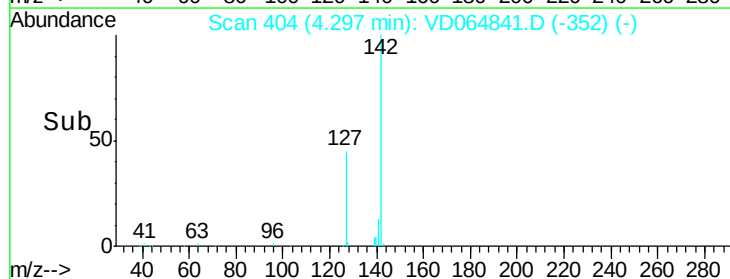
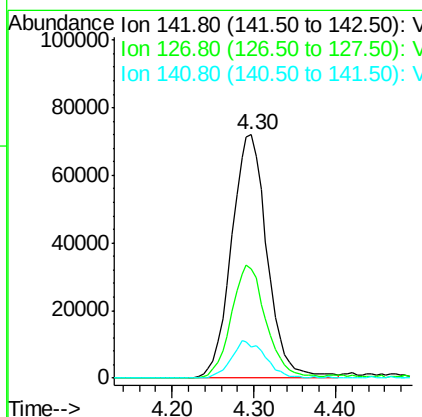
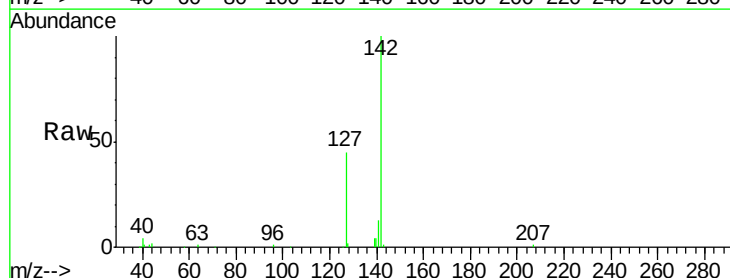
RT: 4.30 min Scan# 404

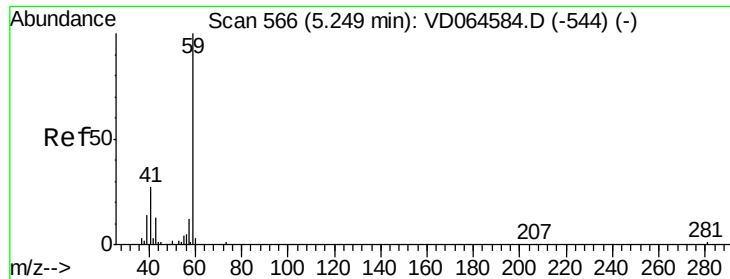
Delta R.T. 0.01 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Tgt Ion:	142	Resp:	218135
Ion Ratio	Lower	Upper	
142	100		
127	45.3	36.2	54.4
141	14.7	11.8	17.8





#11

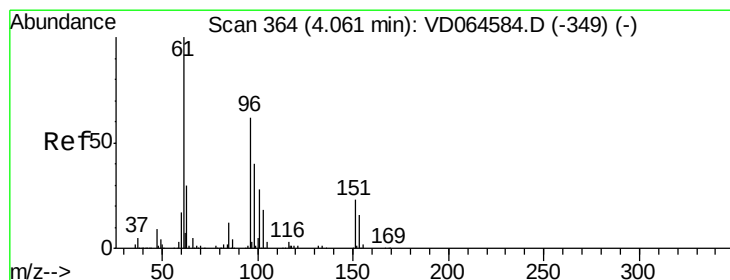
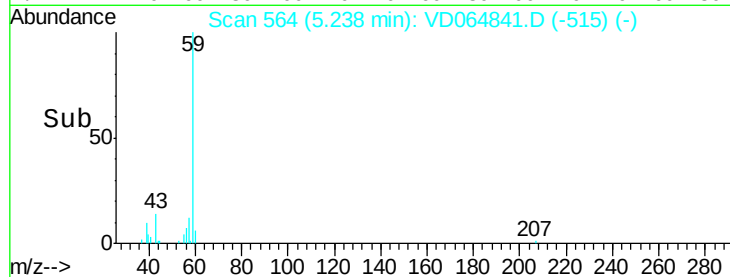
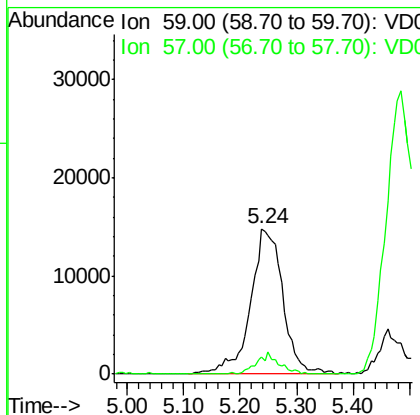
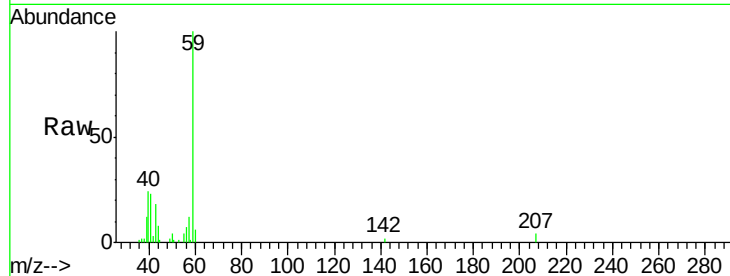
Tert butyl alcohol
 Concen: 272.151 ug/l
 RT: 5.24 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	59023
Ion Ratio	100	Lower	Upper
57	10.3	9.3	13.9

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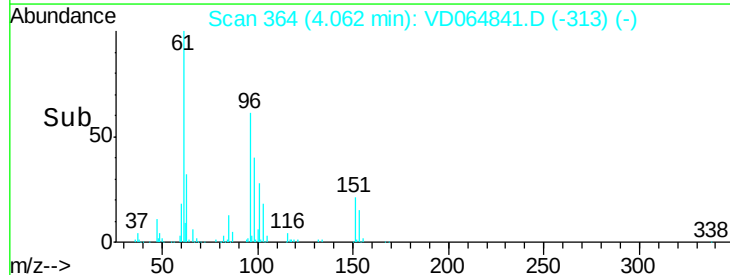
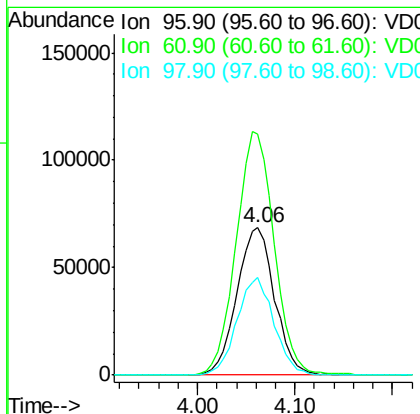
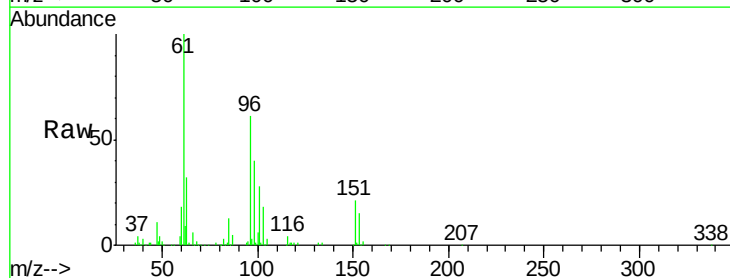
MMDadoda
 1/14/2020 1:29:55 PM

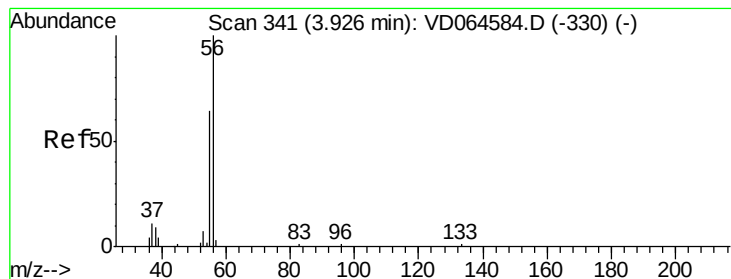


#12

1,1-Dichloroethene
 Concen: 49.278 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Tgt Ion	96	Resp	186055
Ion Ratio	100	Lower	Upper
61	164.0	129.4	194.0
98	66.1	51.4	77.0





#13

Acrolein

Concen: 223.428 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 67531

Ion Ratio Lower Upper

56 100

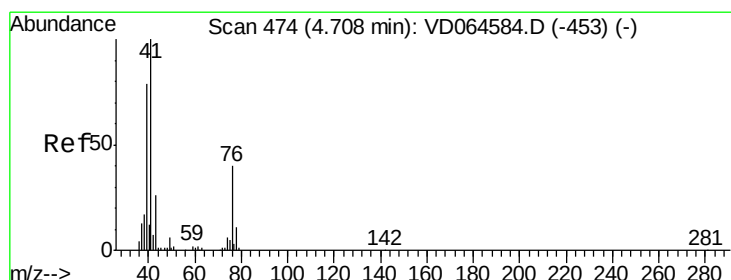
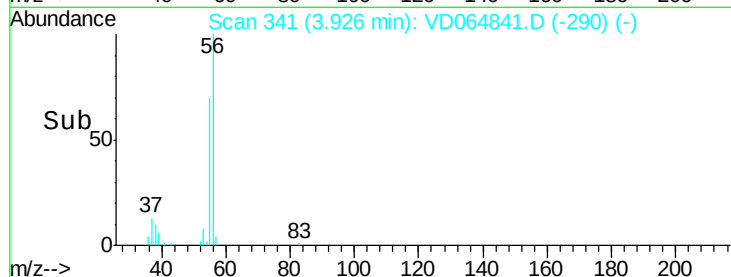
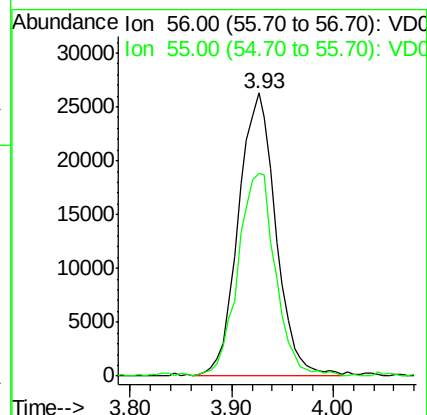
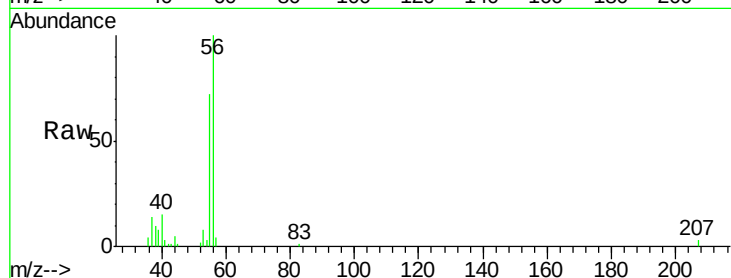
55 71.8 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 53.679 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

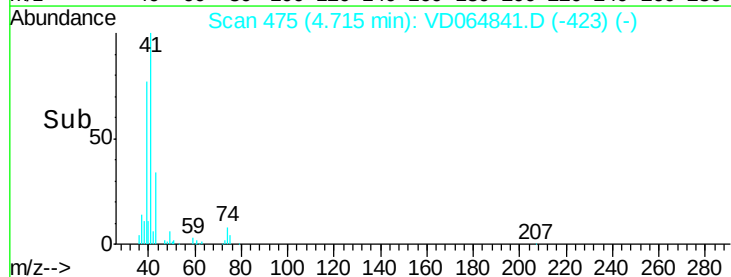
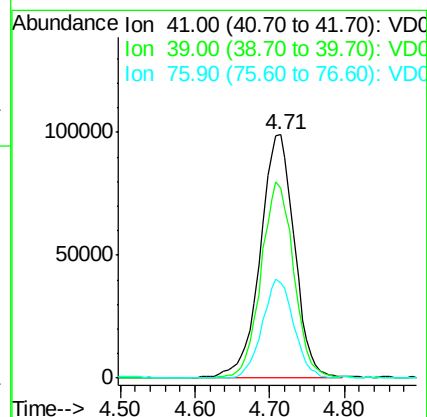
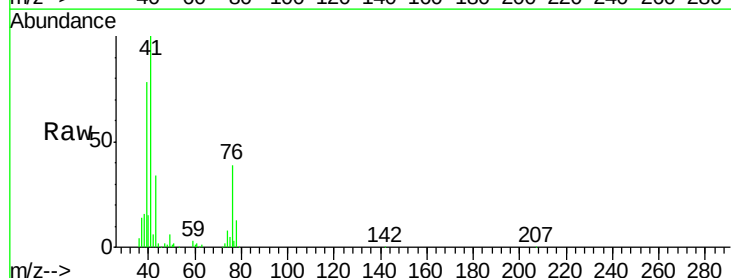
Tgt Ion: 41 Resp: 315991

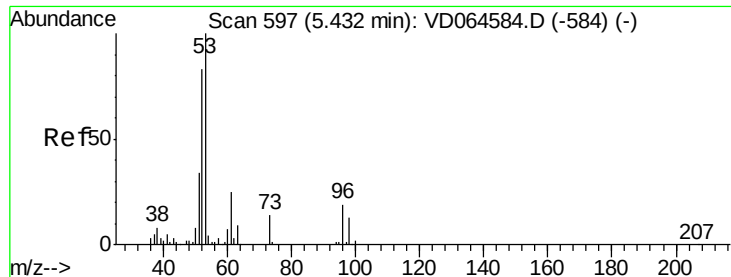
Ion Ratio Lower Upper

41 100

39 76.9 62.3 93.5

76 36.8 29.7 44.5





#15

Acrylonitrile

Concen: 268.099 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

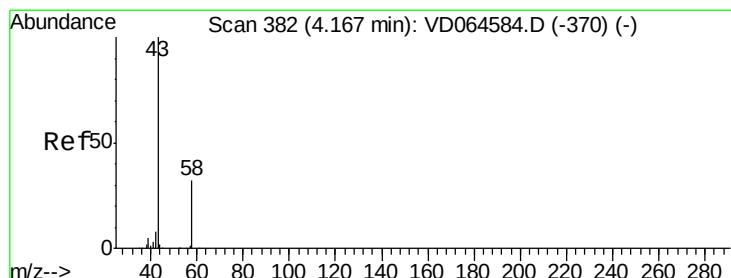
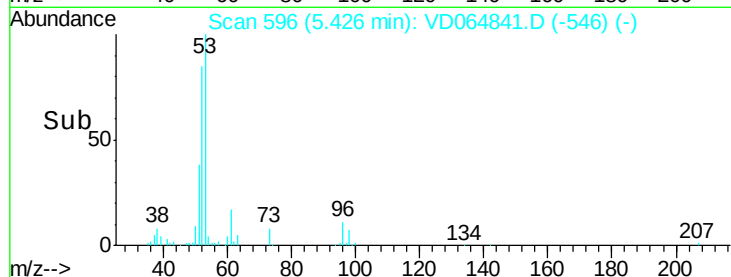
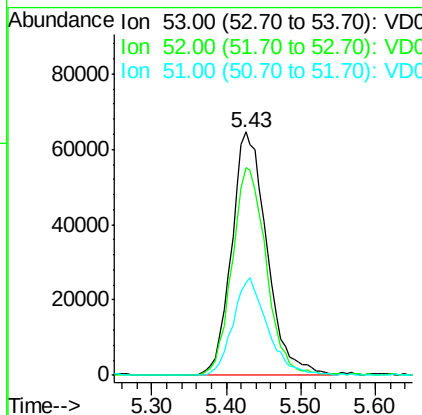
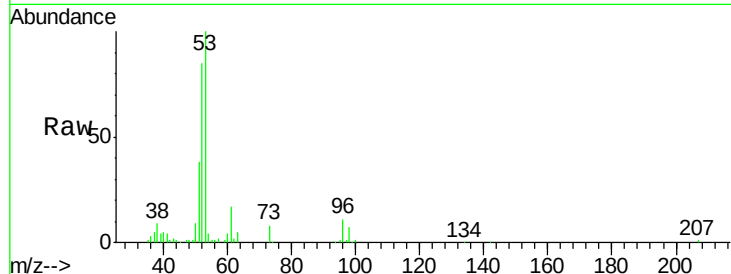
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	212353
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.2	99.2
51	39.1	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 344.516 ug/l

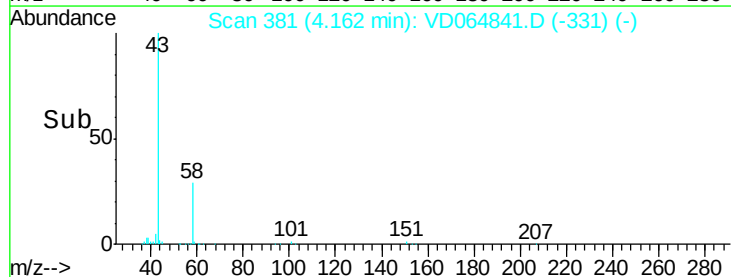
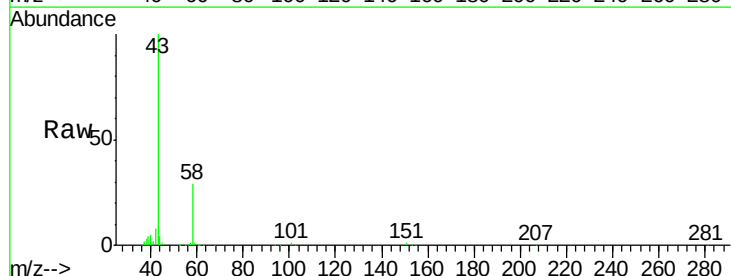
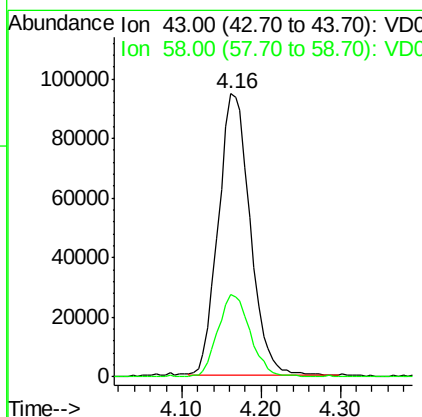
RT: 4.16 min Scan# 381

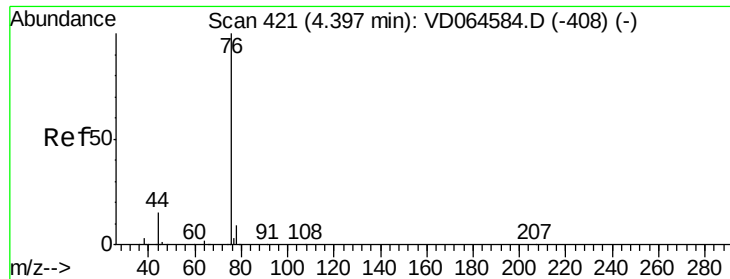
Delta R.T. -0.01 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Tgt Ion:	43	Resp:	262968
Ion Ratio	Lower	Upper	
43	100		
58	28.9	25.8	38.6





#17

Carbon Disulfide

Concen: 44.701 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 545734

Ion Ratio Lower Upper

76 100

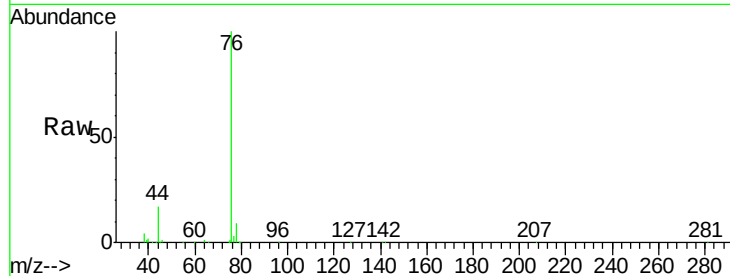
78 9.2 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

200000

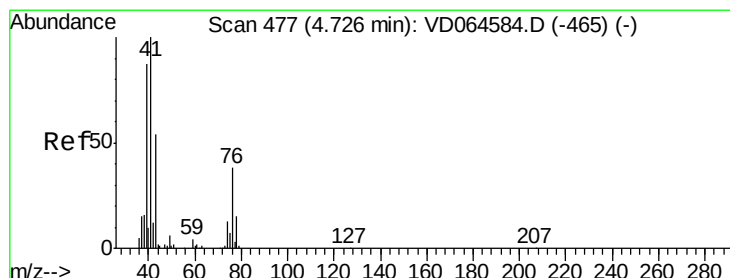
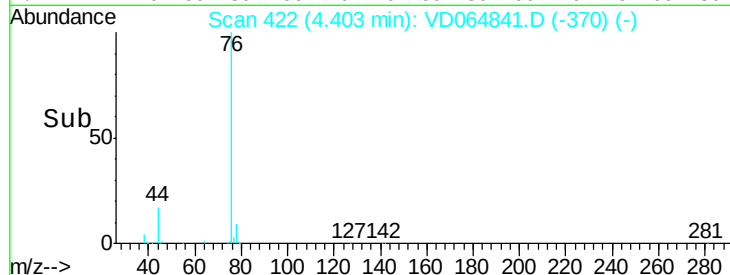
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 54.274 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064841.D

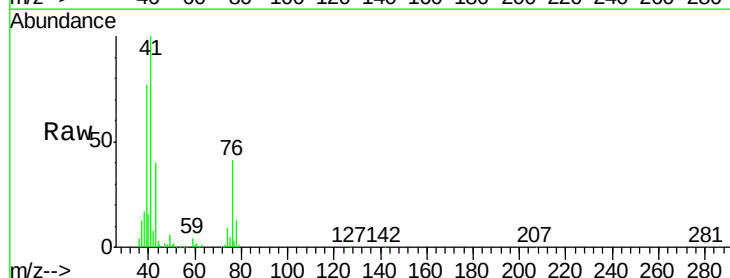
Acq: 13 Jan 2020 11:01

Tgt Ion: 43 Resp: 115629

Ion Ratio Lower Upper

43 100

74 22.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

40000

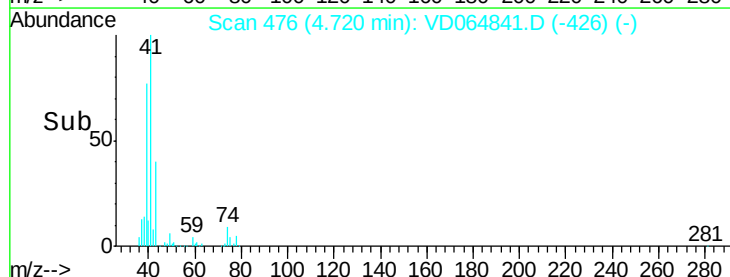
30000

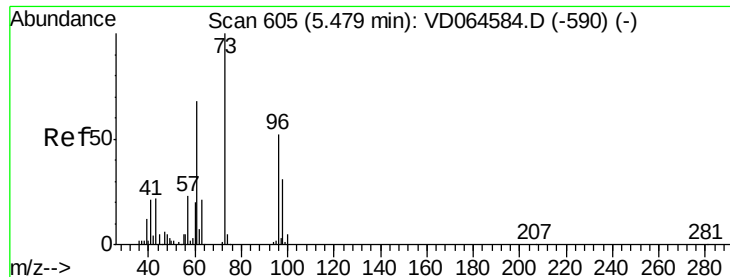
20000

10000

0

Time-->





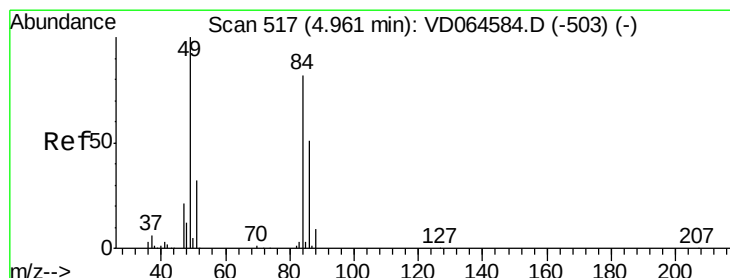
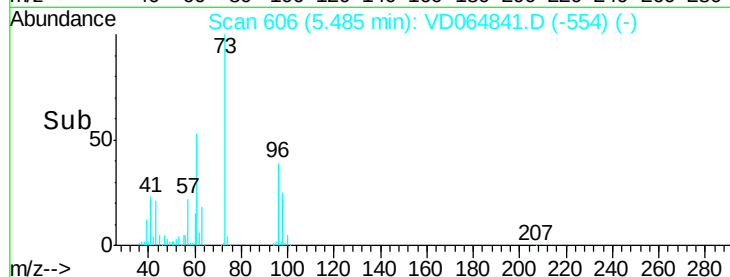
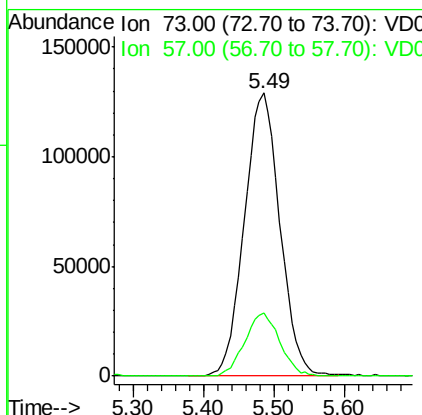
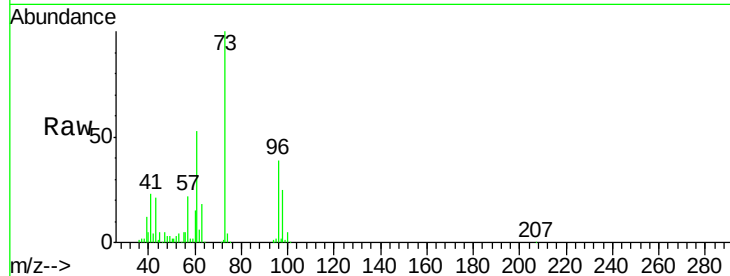
#19
Methyl tert-butyl Ether
Concen: 54.023 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.6	27.8

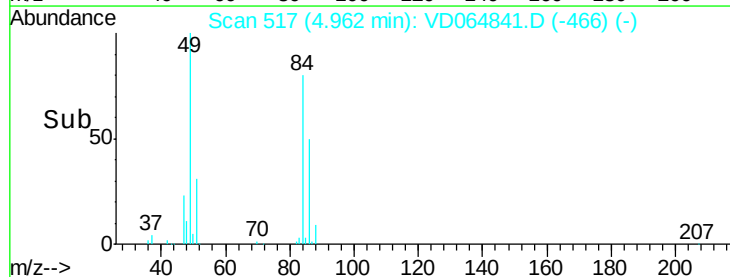
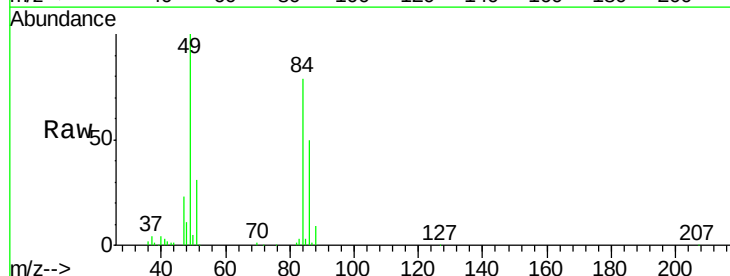
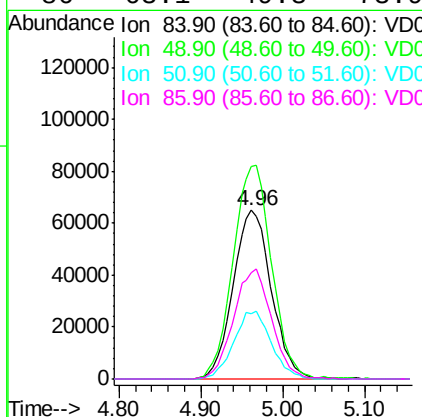
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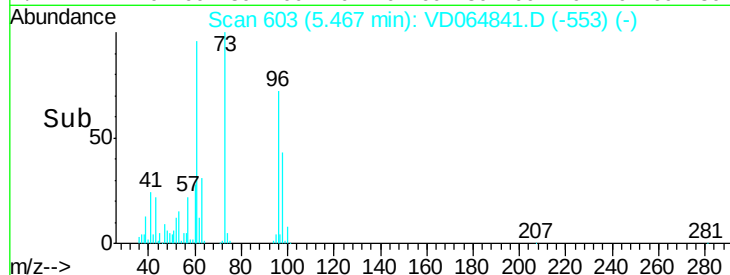
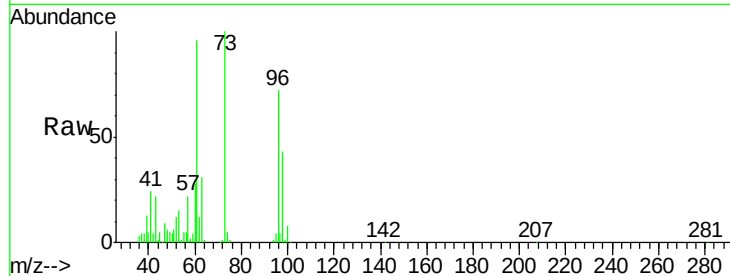
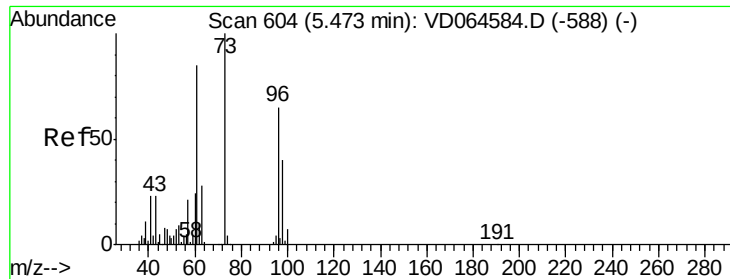
MMDadoda
1/14/2020 1:29:55 PM



#20
Methylene Chloride
Concen: 55.131 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.8	97.2	145.8
51	39.1	31.4	47.0
86	63.1	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 50.503 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Tot Ion:	96	Resp:	217158
Ion	Ratio	Lower	Upper
96	100		
61	133.6	104.7	157.1
98	59.0	49.4	74.2

Instrument :

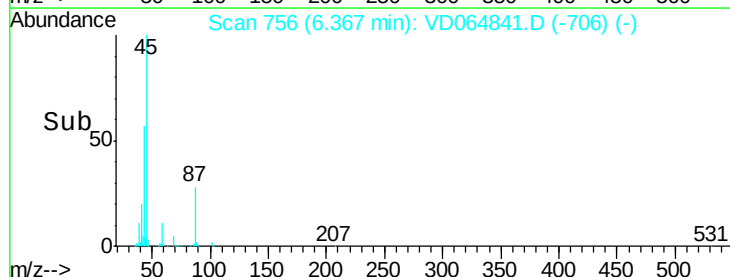
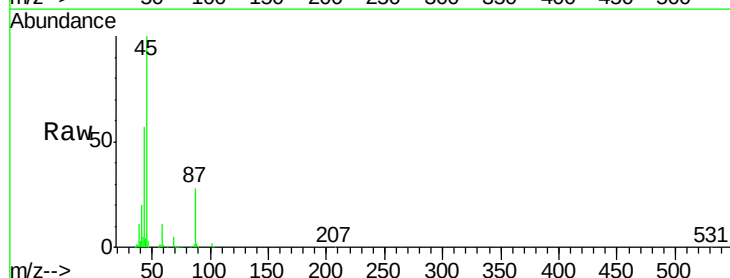
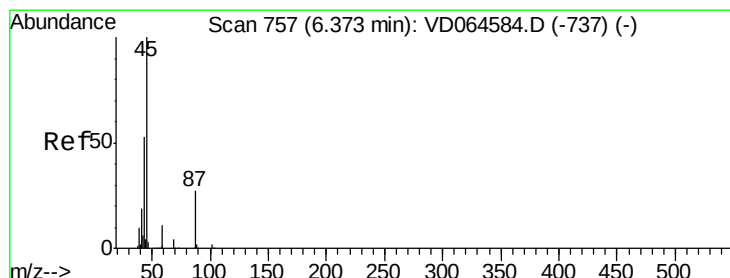
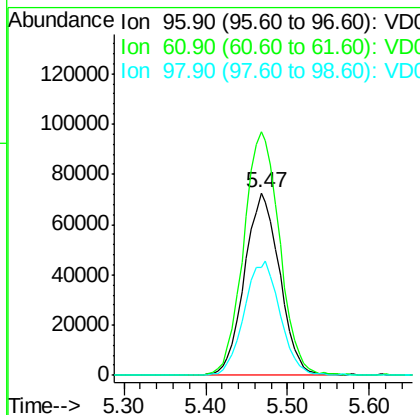
MSVOA_D

ClientSampleId :

VSTDCCC050

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1/14/2020 1:29:55 PM



#22

Diisopropyl ether

Concen: 55.750 ug/l

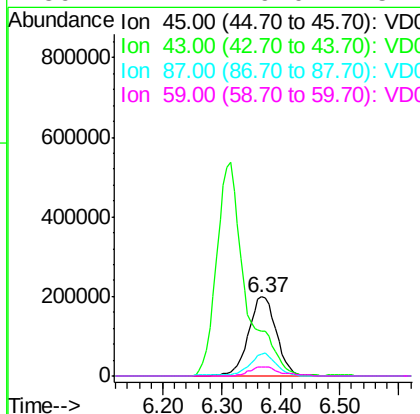
RT: 6.37 min Scan# 756

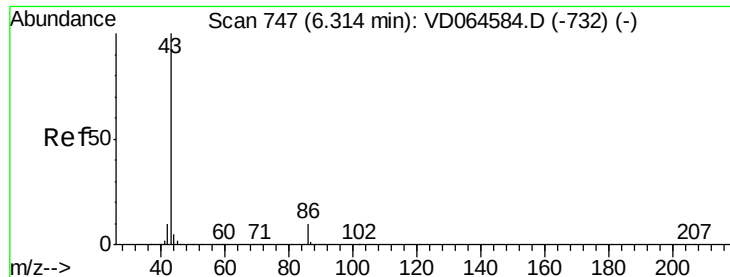
Delta R.T. -0.01 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Tgt Ion:	45	Resp:	654590
Ion	Ratio	Lower	Upper
45	100		
43	57.0	43.2	64.8
87	27.2	21.9	32.9
59	11.2	9.0	13.4





#23

Vinyl Acetate

Concen: 273.814 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1823741

Ion Ratio Lower Upper

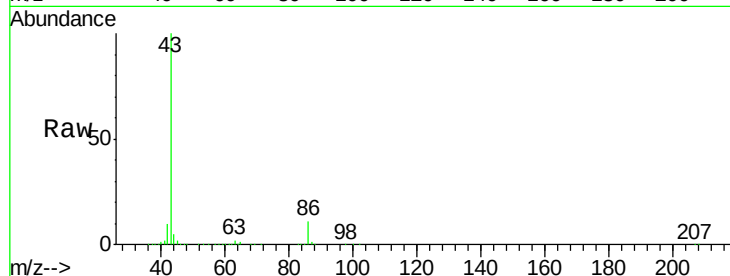
43 100

86 10.8 8.3 12.5

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

600000

500000

400000

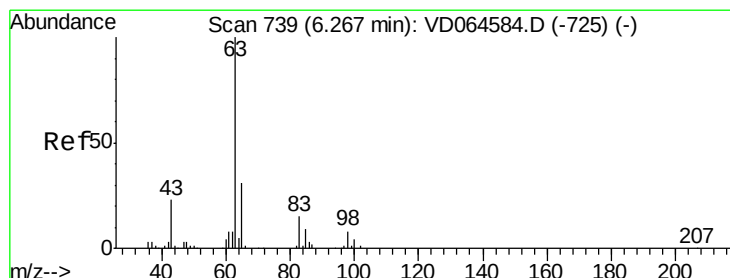
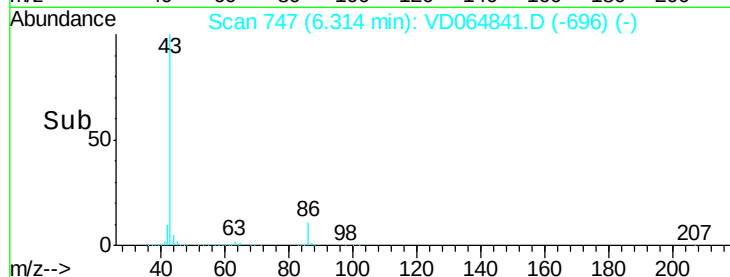
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 55.182 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

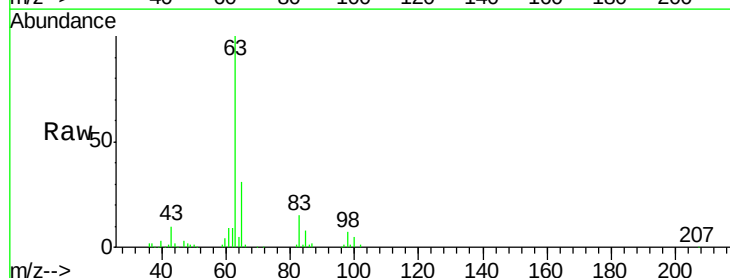
Tgt Ion: 63 Resp: 388971

Ion Ratio Lower Upper

63 100

98 7.3 4.1 12.3

100 4.7 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

6.26

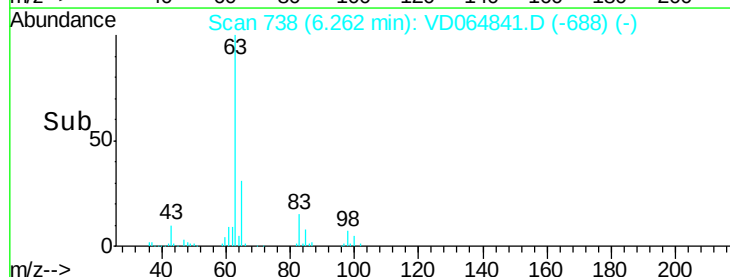
150000

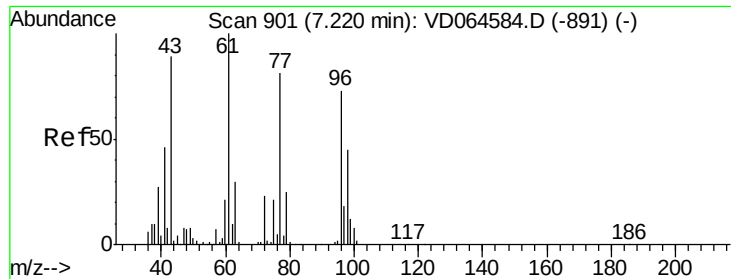
100000

50000

0

Time-->





#25

2-Butanone

Concen: 288.488 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 300084

Ion Ratio Lower Upper

43 100

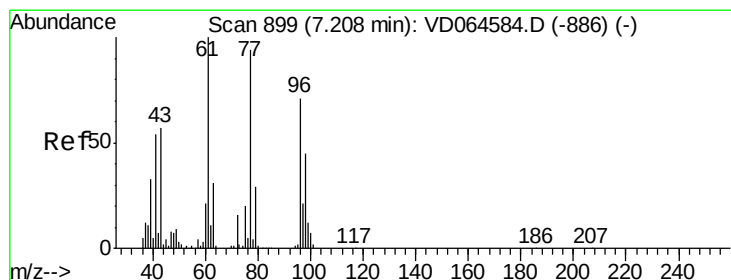
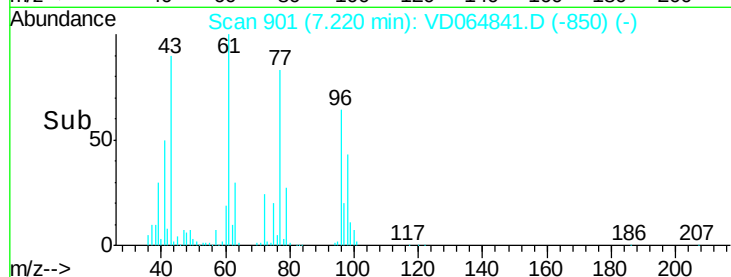
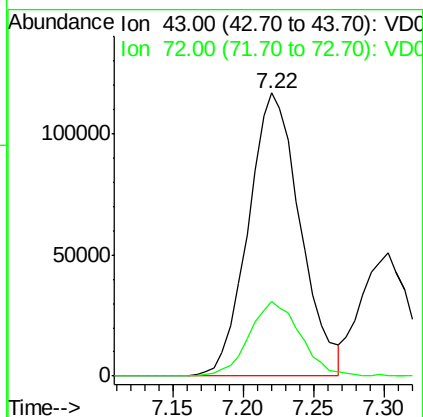
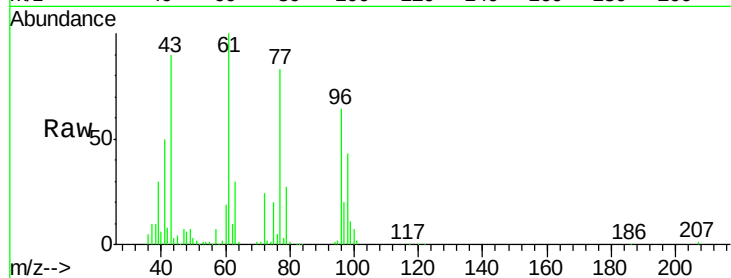
72 26.4 20.7 31.1

Manual Integrations

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1/14/2020 1:29:55 PM



#26

2,2-Dichloropropane

Concen: 54.828 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064841.D

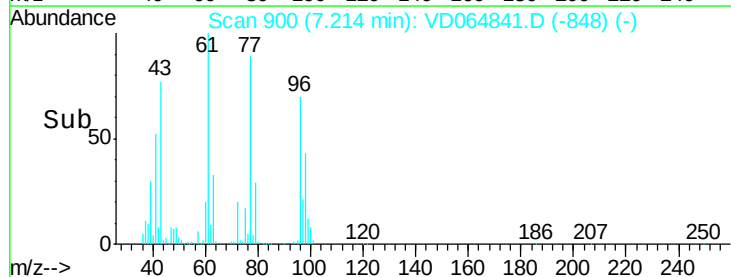
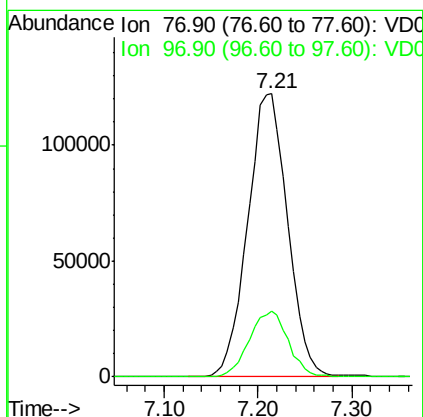
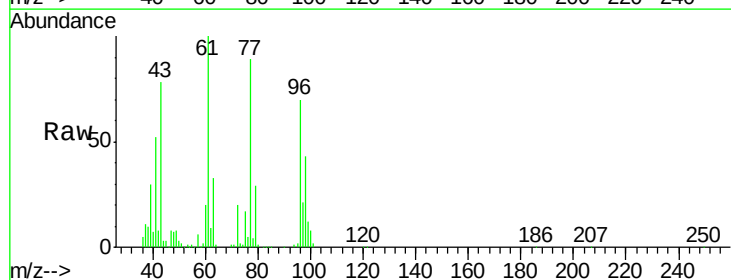
Acq: 13 Jan 2020 11:01

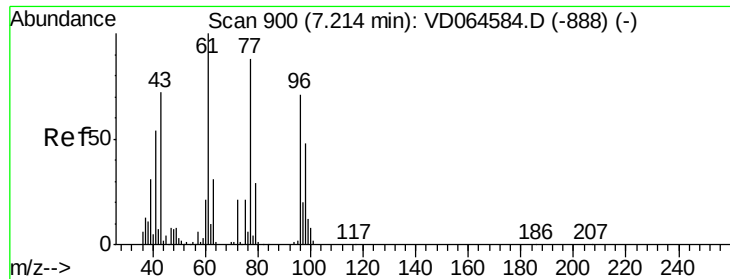
Tgt Ion: 77 Resp: 359326

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.6





#27

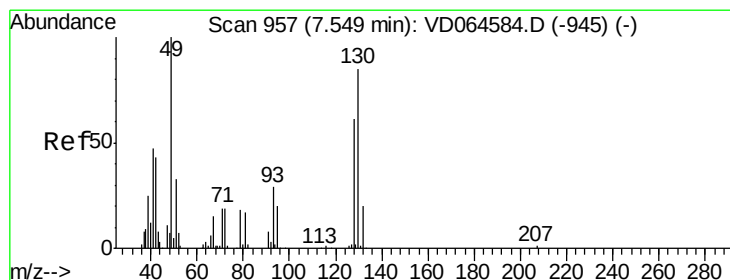
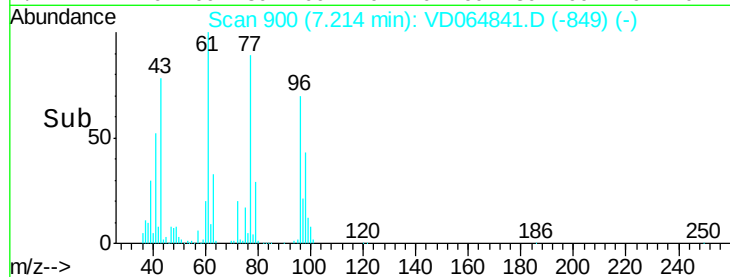
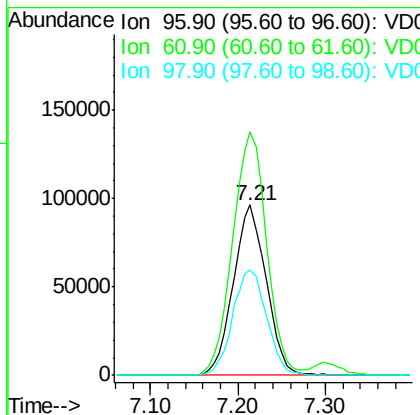
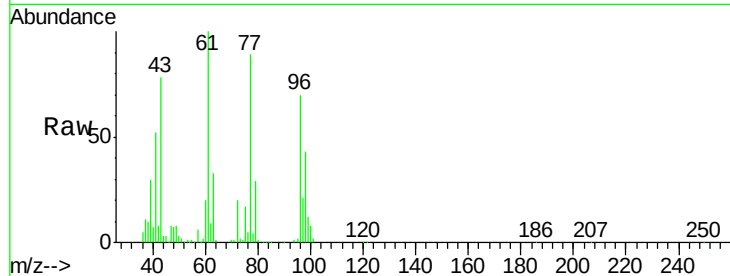
cis-1,2-Dichloroethene
 Concen: 52.864 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	245319		
61	148.0	0.0	282.6	
98	63.9	0.0	130.8	

Manual Integrations
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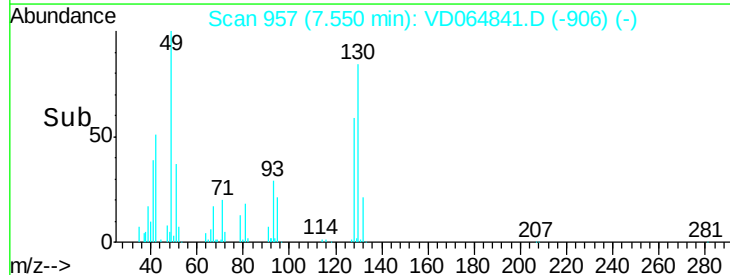
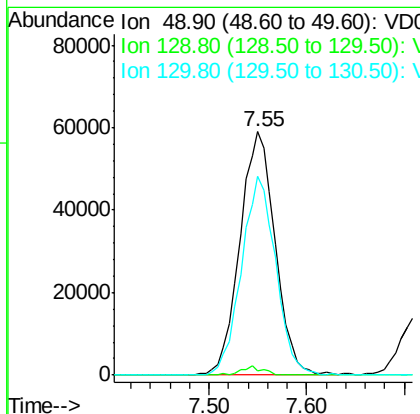
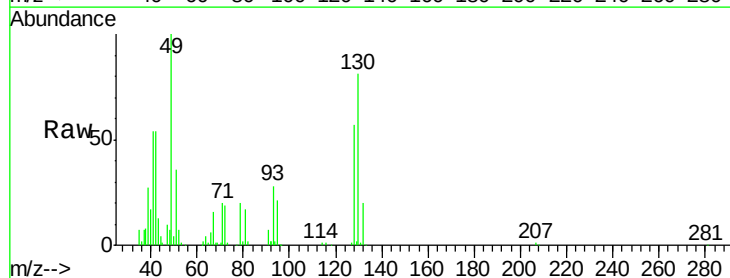
MMDadoda
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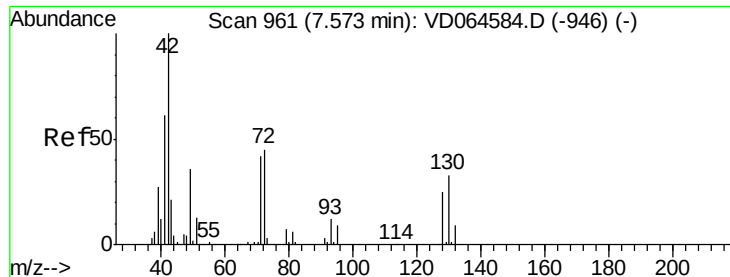


#28

Bromochloromethane
 Concen: 54.067 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	148149		
129	2.1	0.0	4.8	
130	79.3	65.0	97.6	





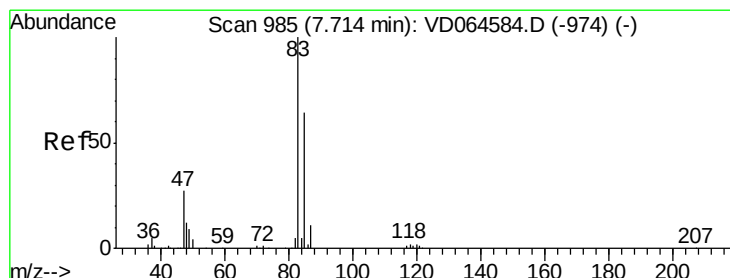
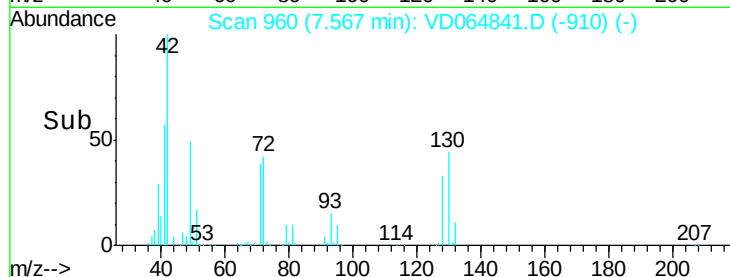
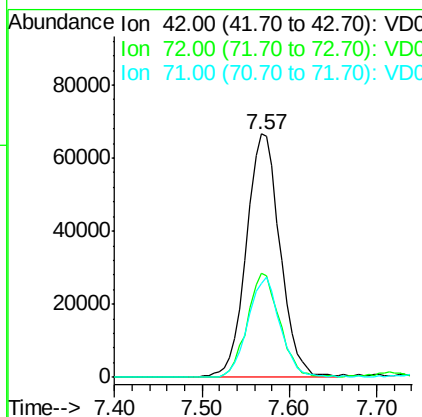
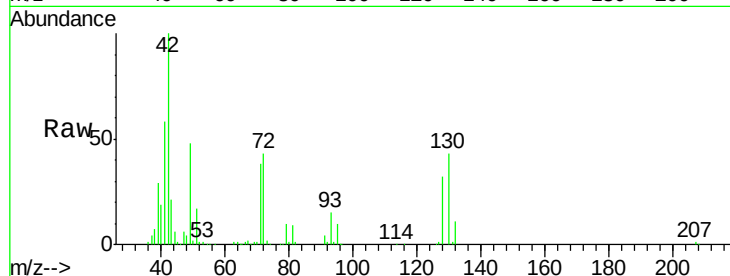
#29
Tetrahydrofuran
Concen: 270.339 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	35.0	52.4
71	39.2	32.9	49.3

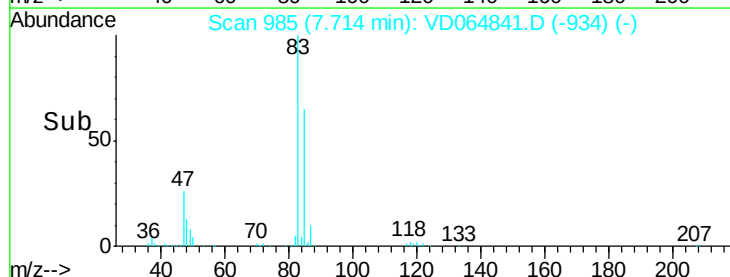
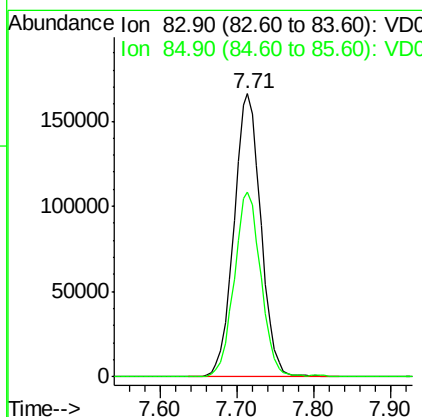
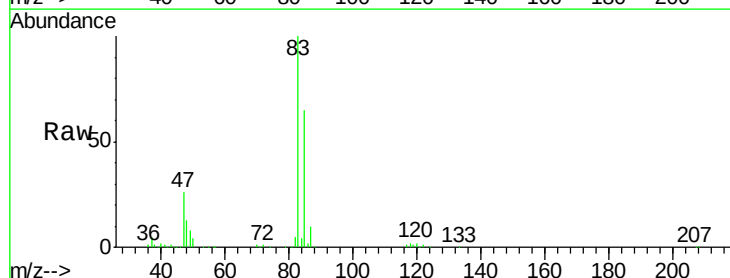
Manual Integrations
APPROVED

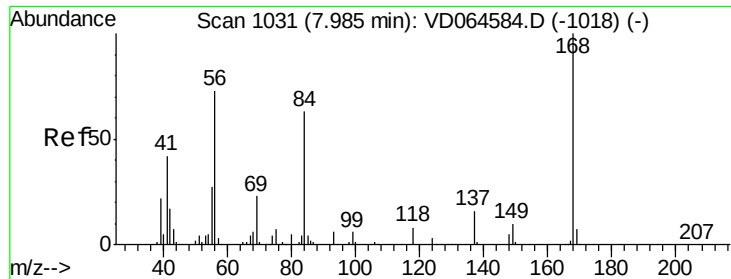
MMDadoda
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#30
Chloroform
Concen: 54.770 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.1	76.7





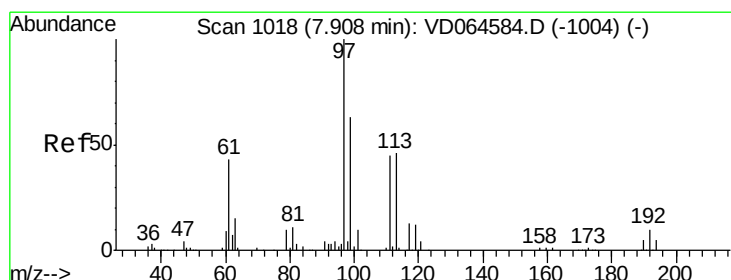
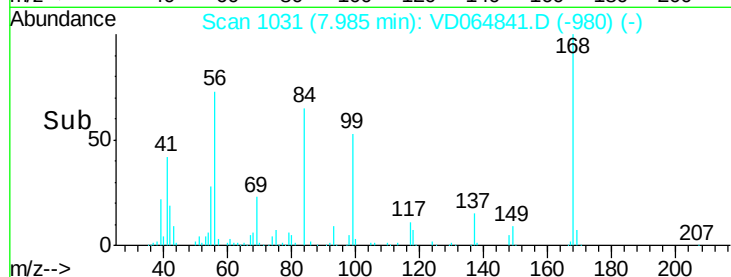
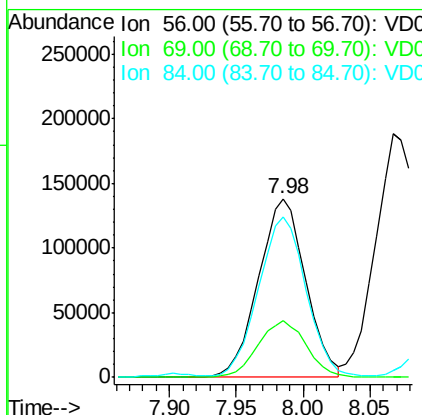
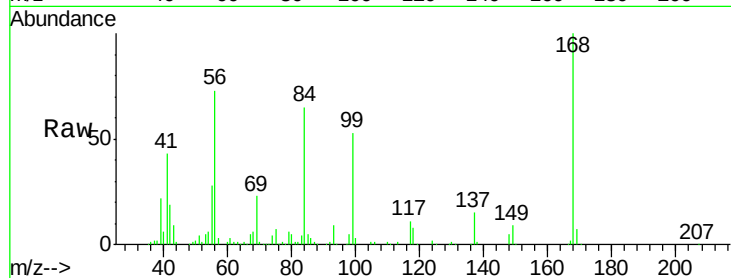
#31
Cyclohexane
Concen: 47.892 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	24.7	37.1
84	88.0	69.4	104.2

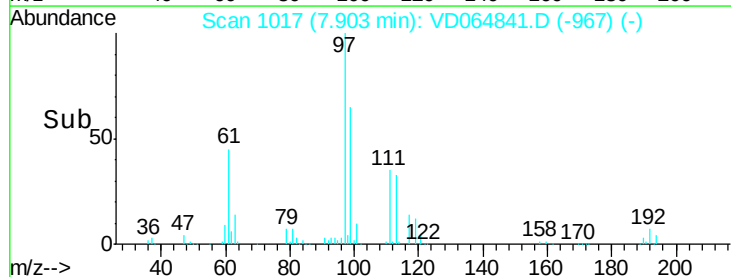
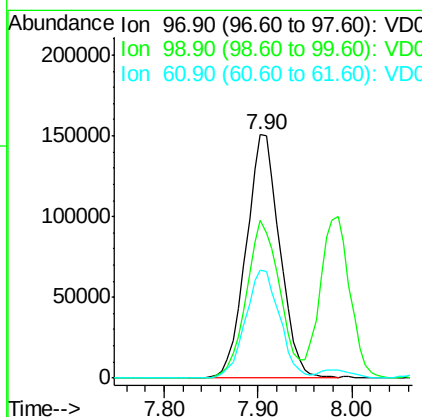
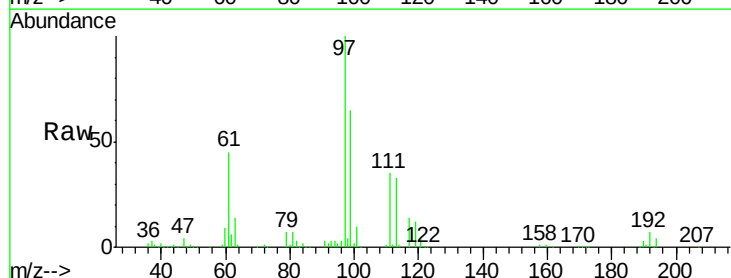
Manual Integrations
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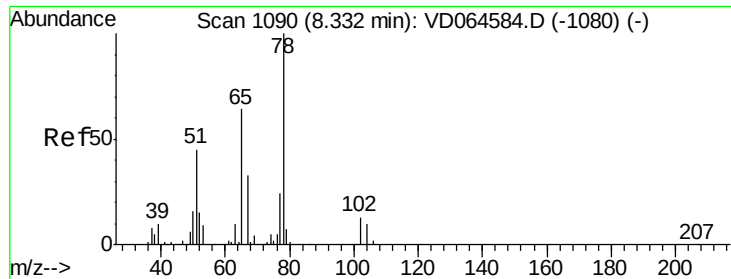
MMDadoda
1/14/2020 1:29:55 PM



#32
1,1,1-Trichloroethane
Concen: 53.861 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.6
61	45.1	35.4	53.0





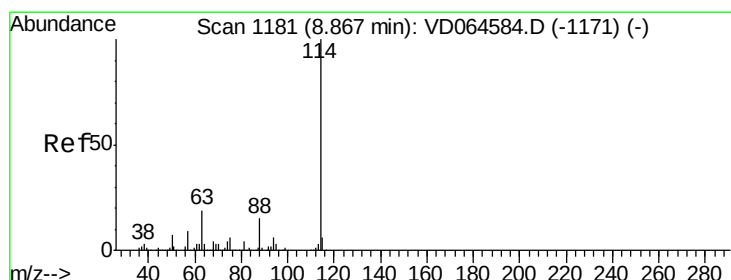
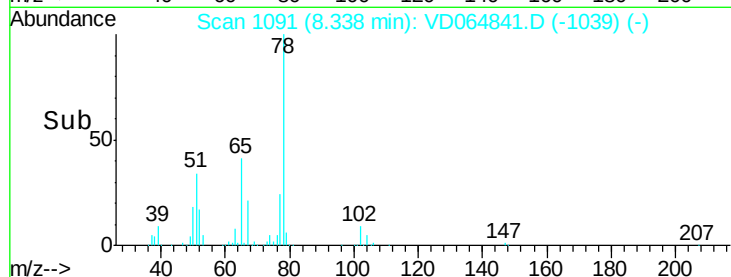
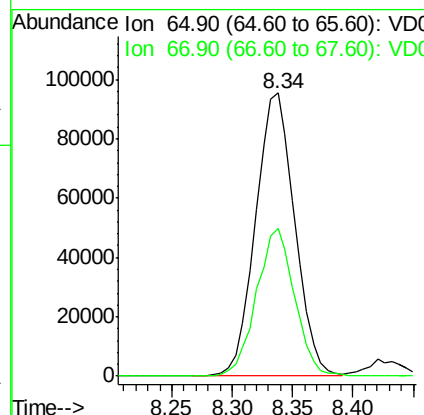
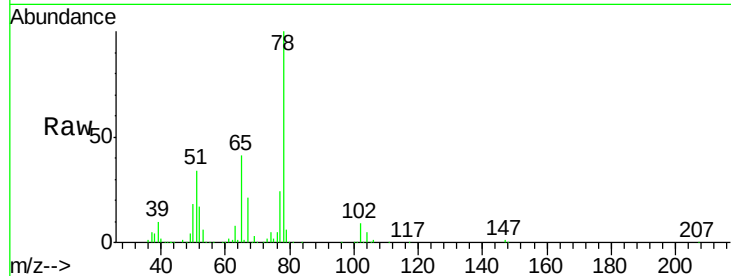
#33
 1,2-Dichloroethane-d4
 Concen: 56.676 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	214476		
67	50.8	0.0	106.2	

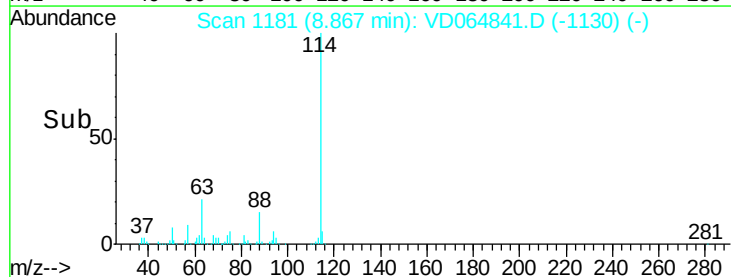
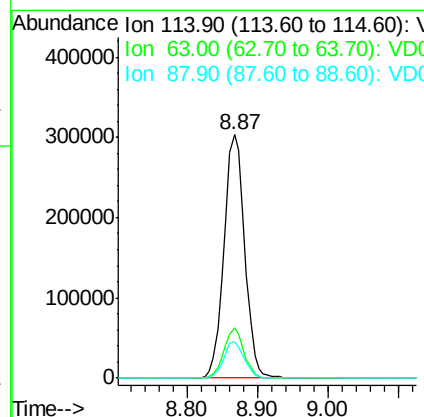
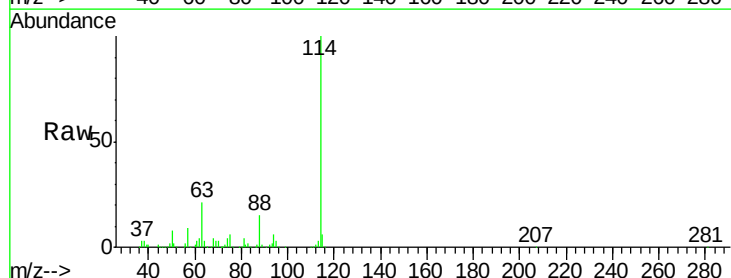
Manual Integrations
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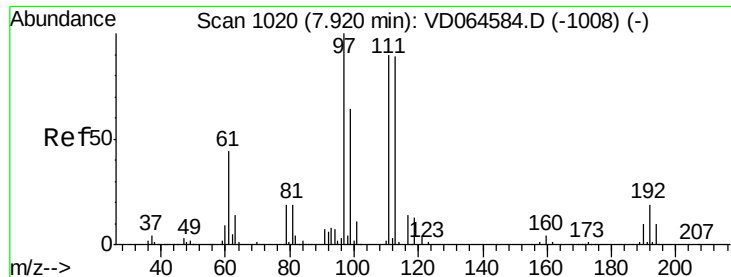
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	619377		
63	20.8	0.0	38.0	
88	15.0	0.0	29.2	





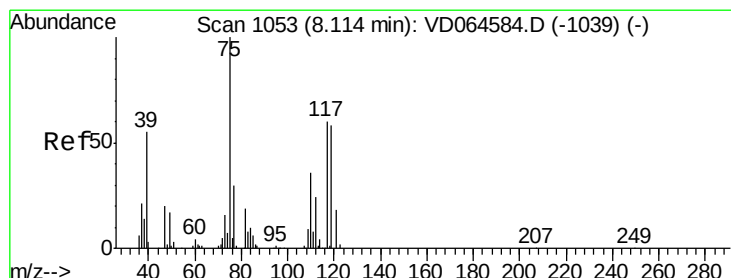
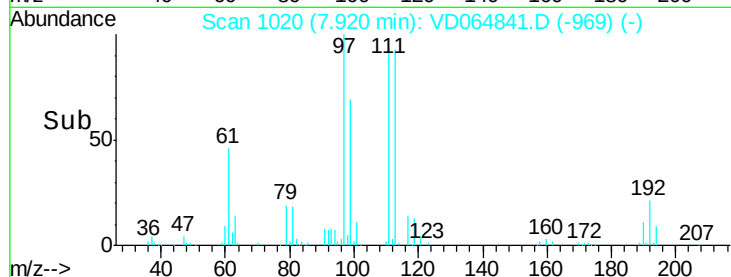
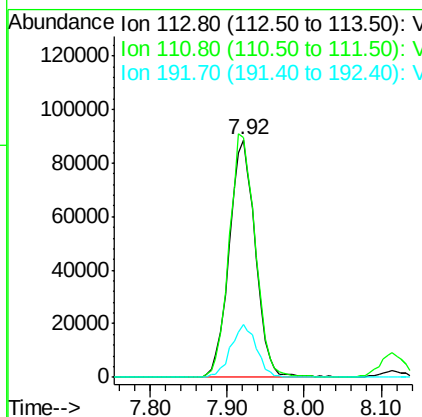
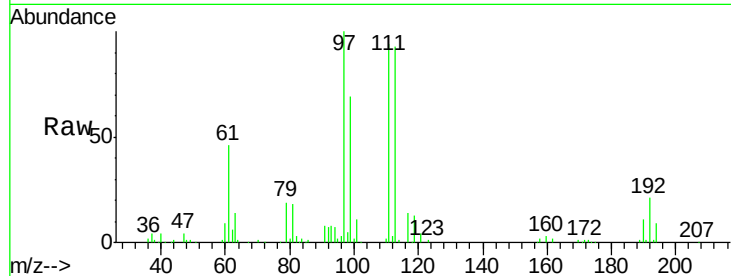
#35
 Dibromofluoromethane
 Concen: 55.303 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	210150		
111	102.6	80.6	121.0	
192	21.9	17.9	26.9	

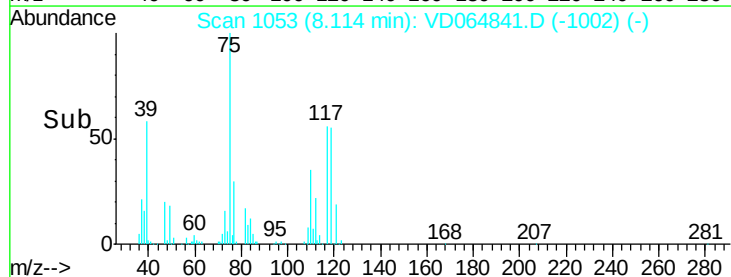
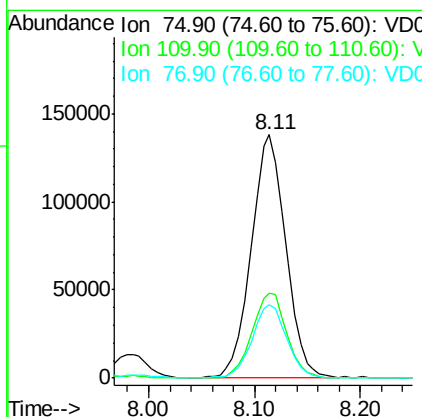
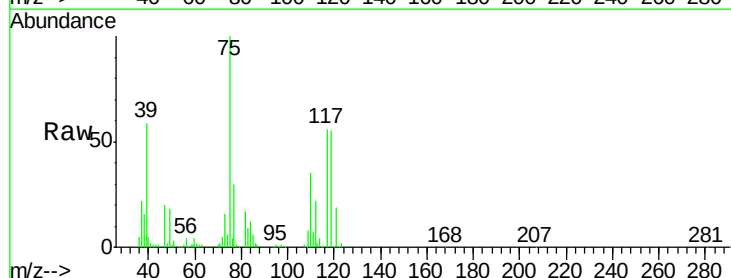
Manual Integrations
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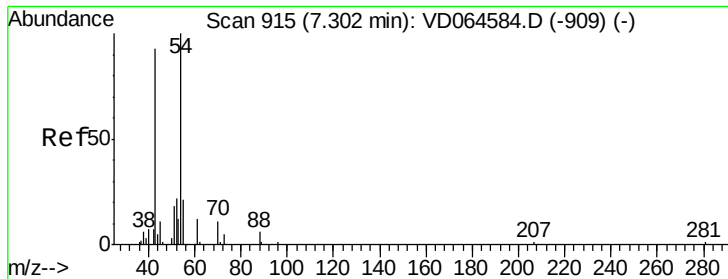
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#36
 1,1-Dichloropropene
 Concen: 52.723 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	314309		
110	34.8	18.1	54.1	
77	30.5	24.2	36.4	





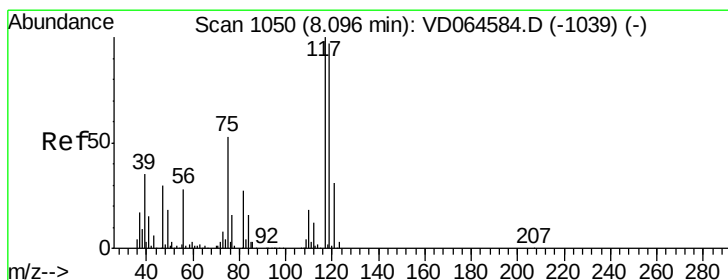
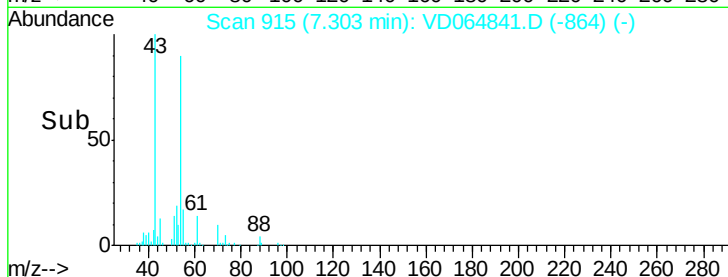
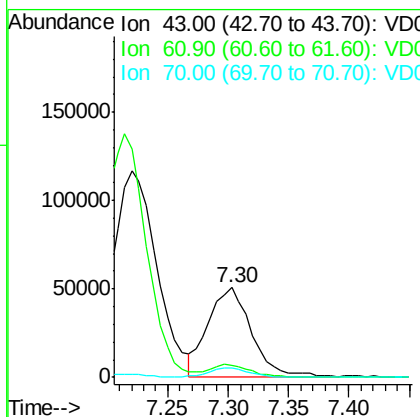
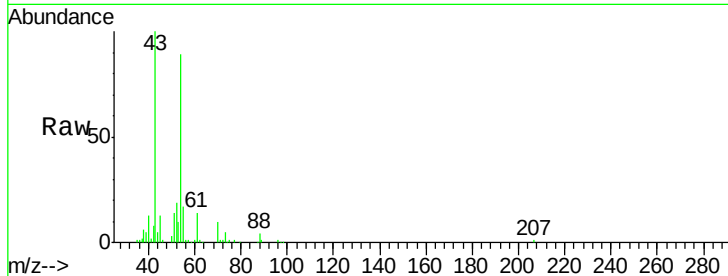
#37
Ethyl Acetate
Concen: 53.390 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.3	10.3	15.5
70	9.8	7.6	11.4

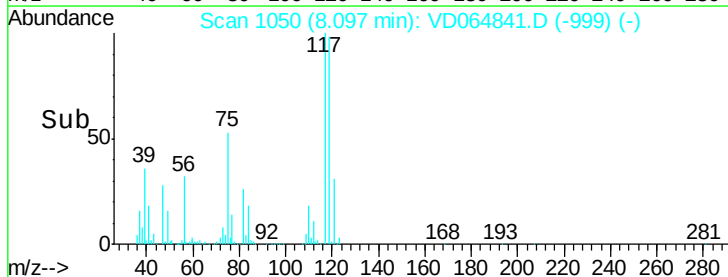
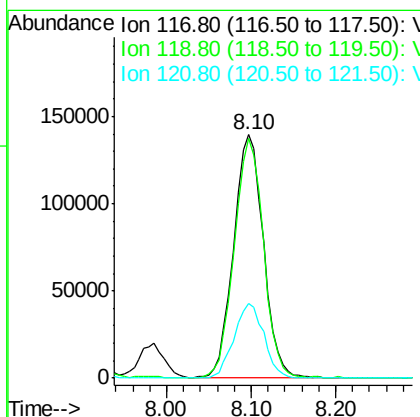
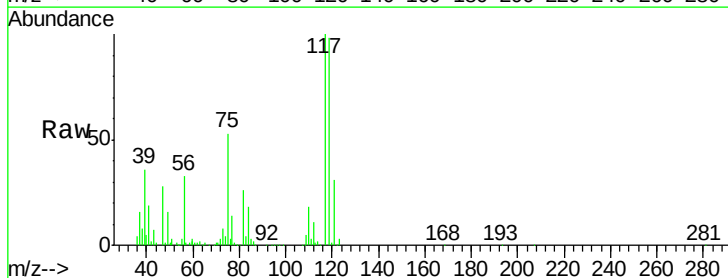
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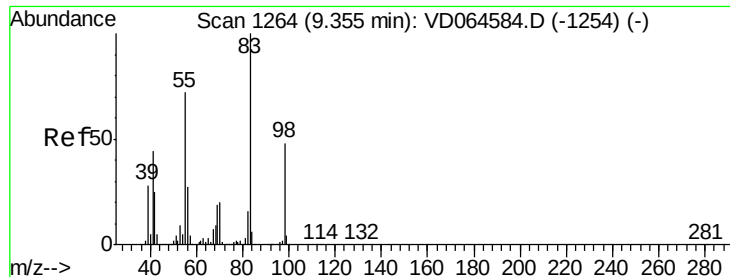
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#38
Carbon Tetrachloride
Concen: 53.250 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	77.3	115.9
121	30.6	25.0	37.6





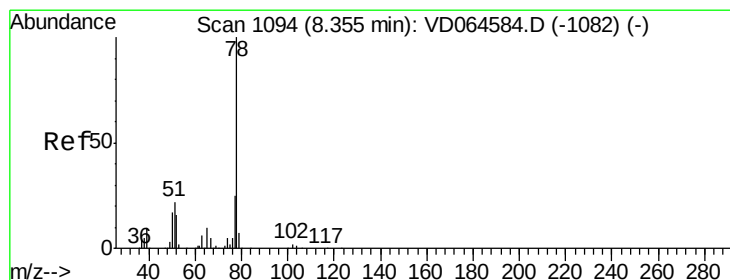
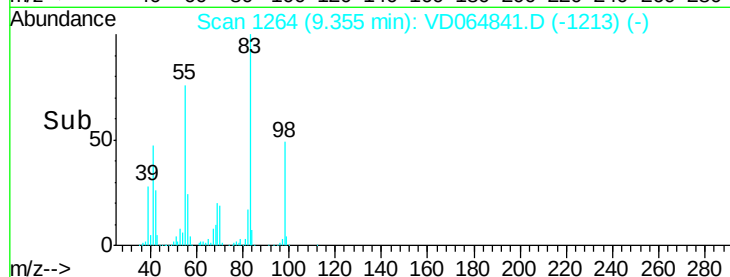
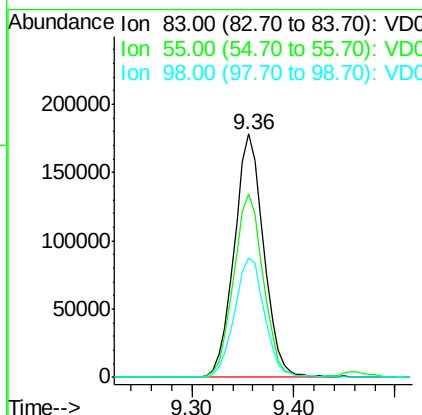
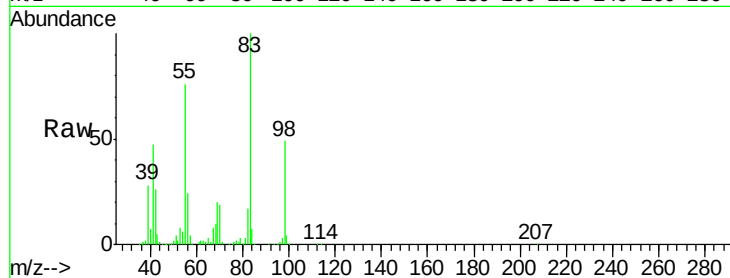
#39
Methylvlcyclohexane
Concen: 49.755 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.5	57.8	86.6	
98	49.3	38.7	58.1	

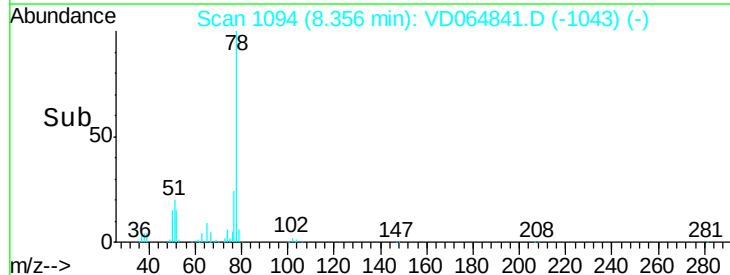
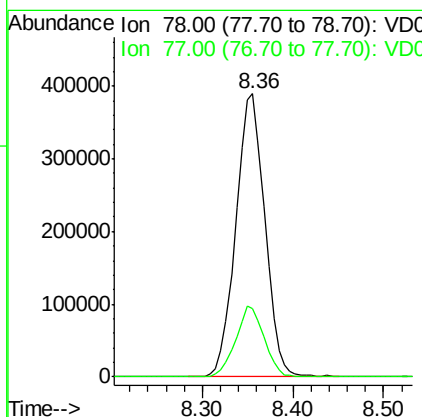
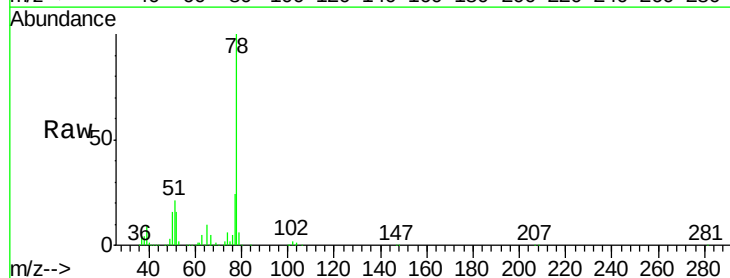
Manual Integrations
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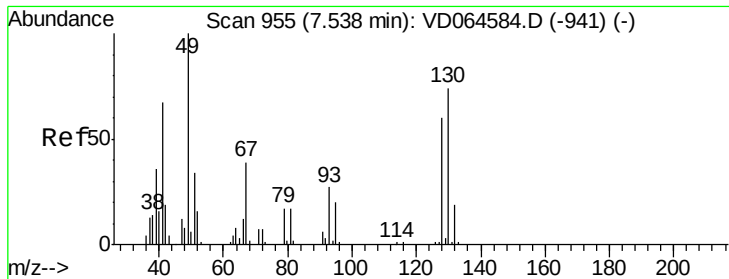
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#40
Benzene
Concen: 53.274 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.4	19.9	29.9	





#41

Methacrylonitrile

Concen: 52.386 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 71183

Ion Ratio Lower Upper

41 100

39 64.9 46.7 70.1

67 72.7 52.5 78.7

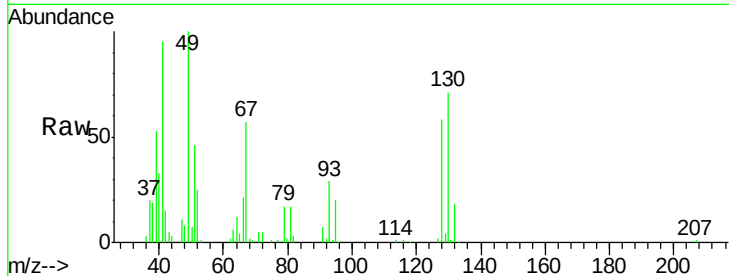
52 32.7 24.1 36.1

Manual Integrations

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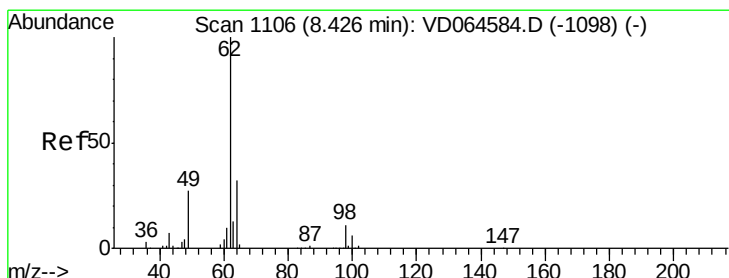
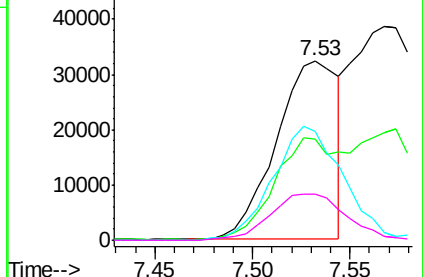
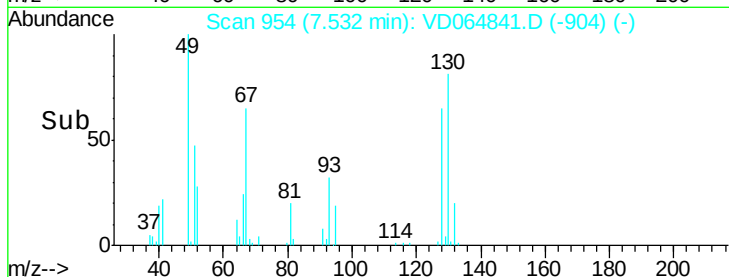


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 55.134 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064841.D

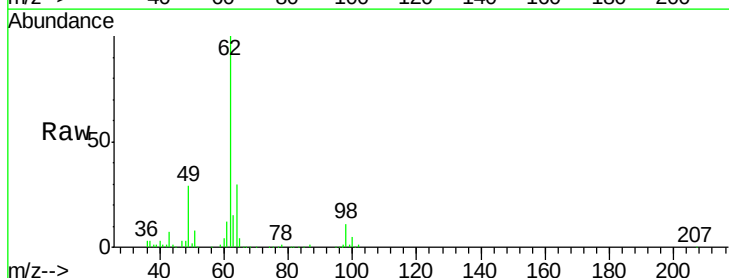
Acq: 13 Jan 2020 11:01

Tgt Ion: 62 Resp: 259285

Ion Ratio Lower Upper

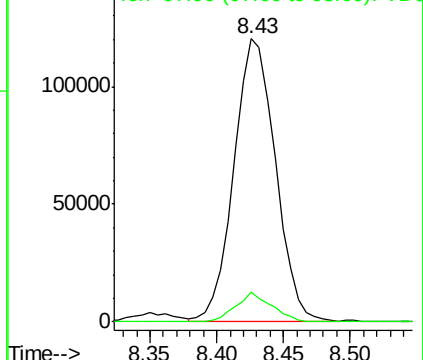
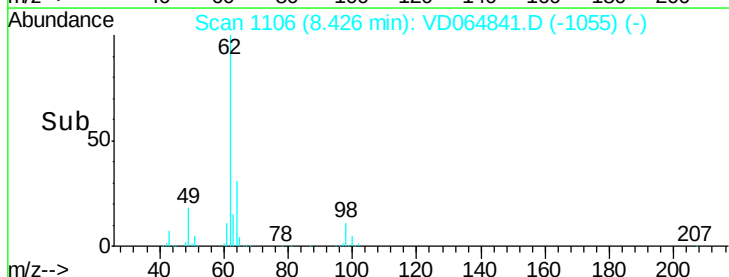
62 100

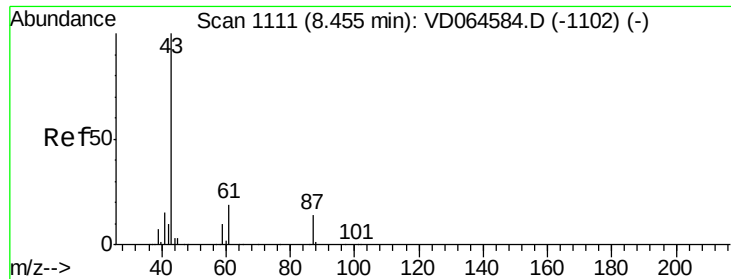
98 9.3 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 52.707 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

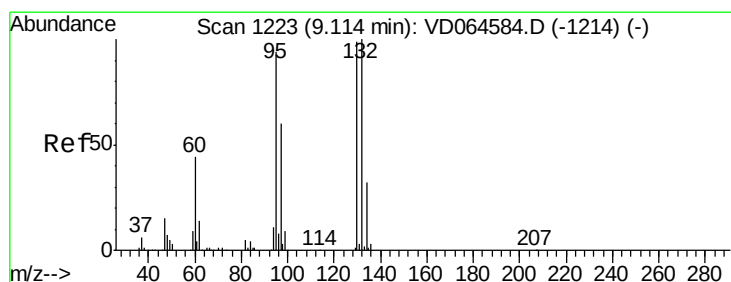
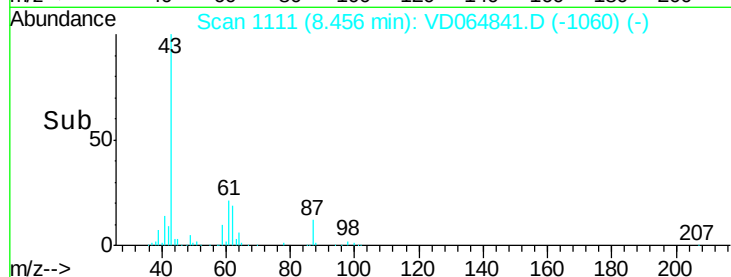
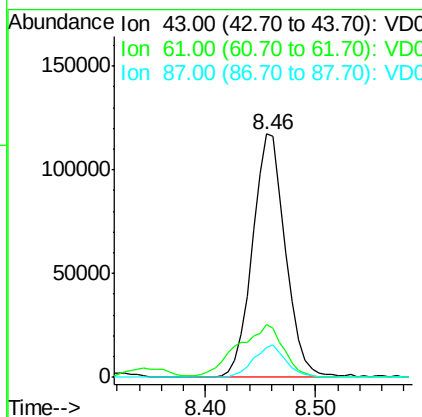
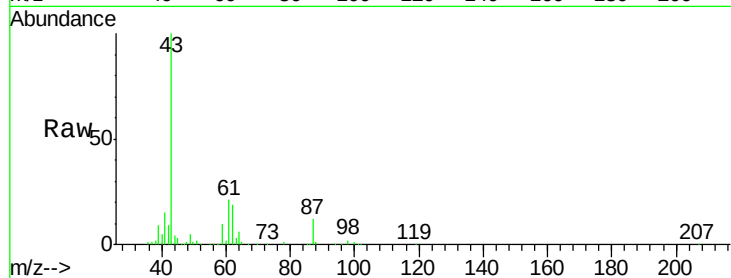
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	245694
Ion	Ratio	Lower	Upper
43	100		
61	30.4	23.7	35.5
87	12.8	10.5	15.7

Manual Integrations
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#44

Trichloroethene

Concen: 51.096 ug/l

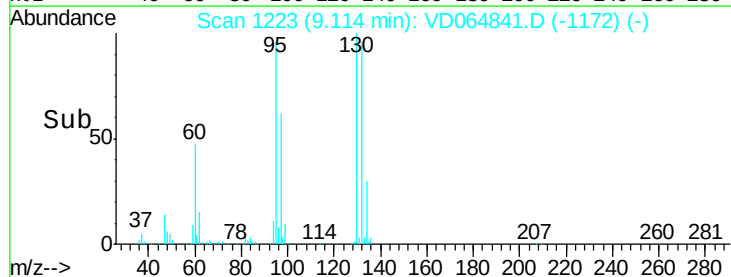
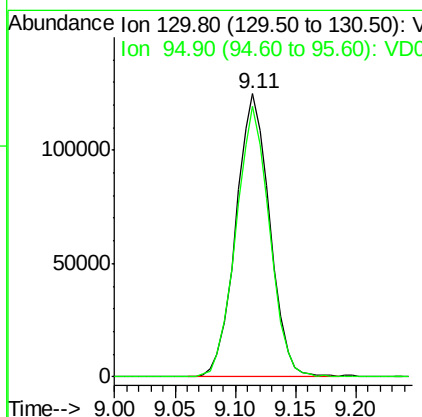
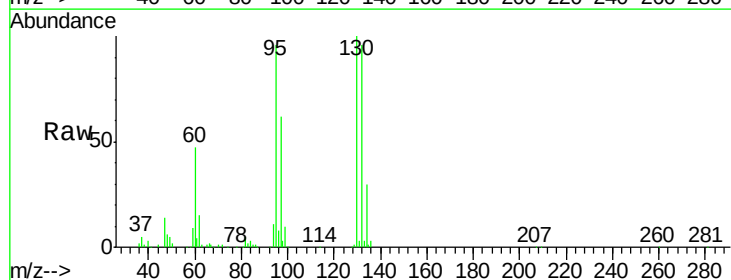
RT: 9.11 min Scan# 1223

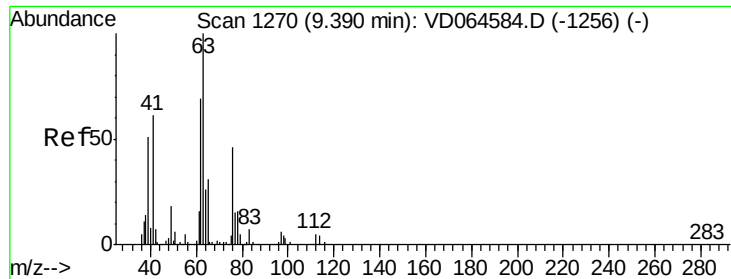
Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Tgt Ion:	130	Resp:	244284
Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	190.2





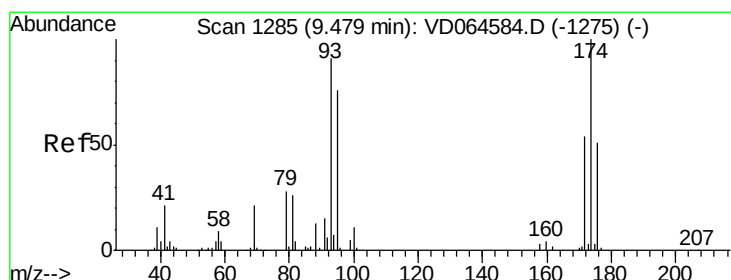
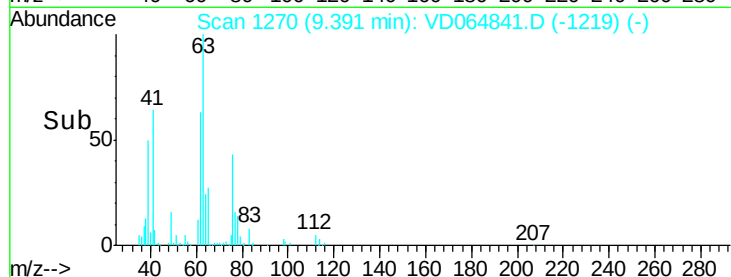
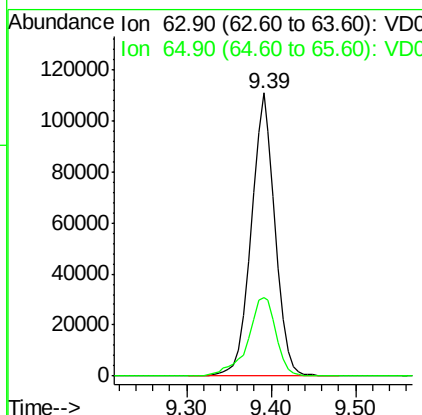
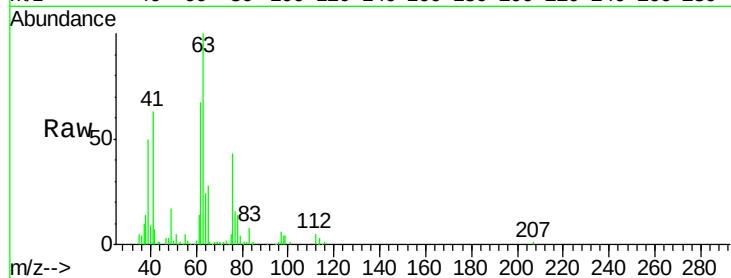
#45
 1,2-Dichloropropane
 Concen: 56.009 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	27.6	25.2	37.8

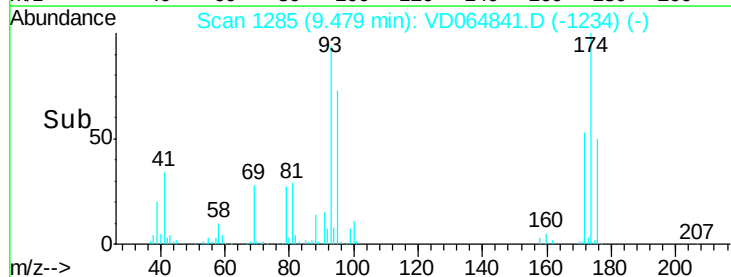
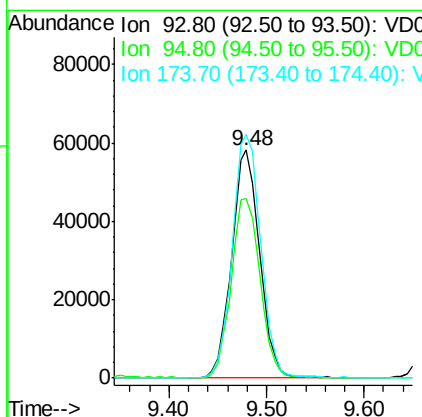
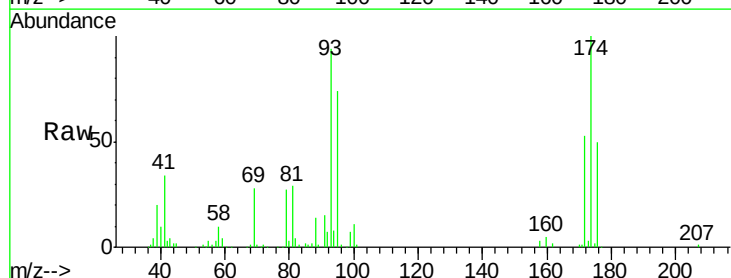
Manual Integrations
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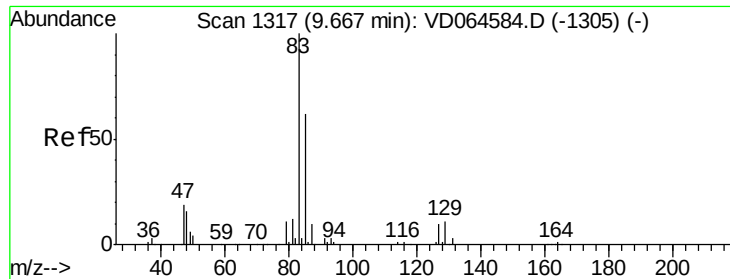
MMDadoda
 1/14/2020 1:29:55 PM



#46
 Dibromomethane
 Concen: 53.370 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.4	64.6	97.0
174	108.5	88.1	132.1





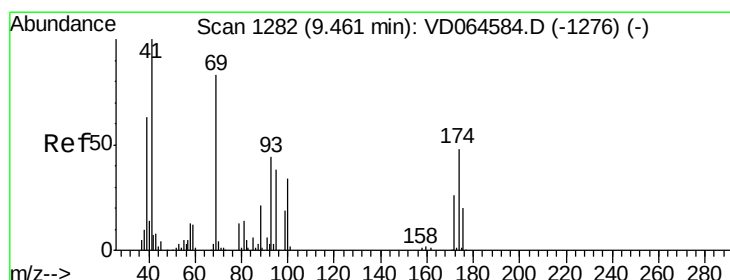
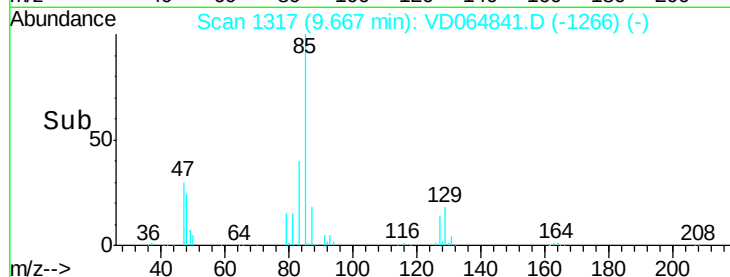
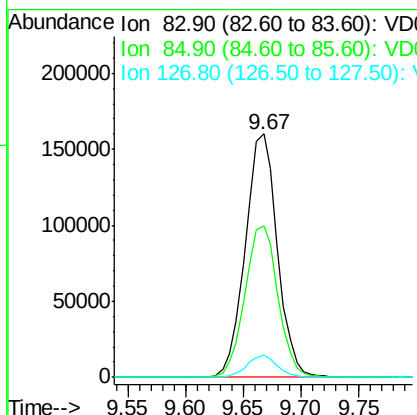
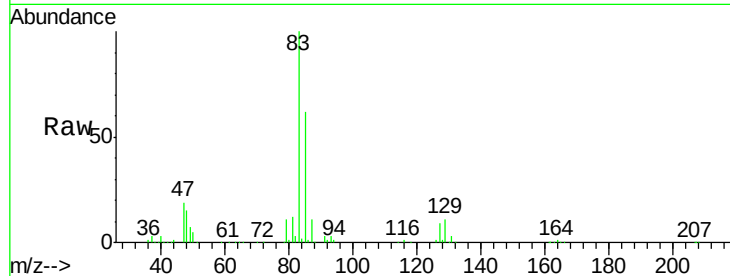
#47
Bromodichloromethane
Concen: 53.836 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.4	49.5	74.3
127	8.9	7.8	11.6

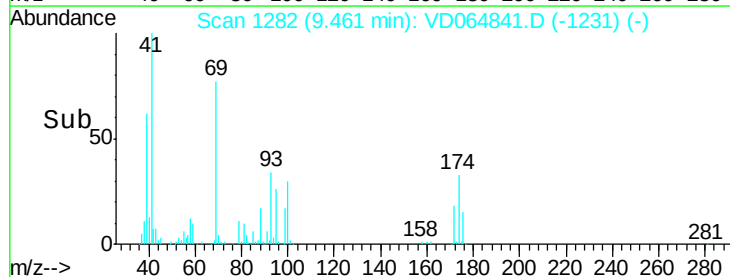
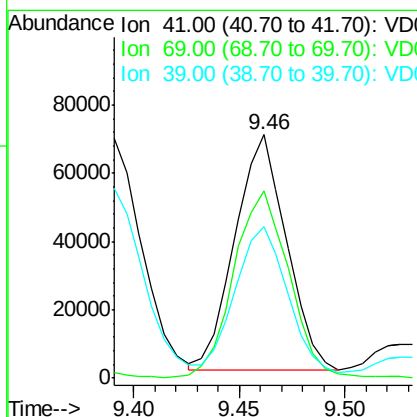
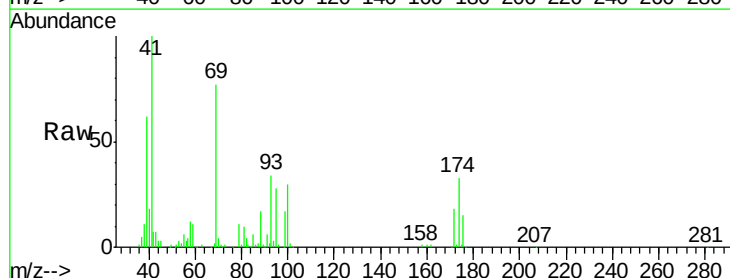
Manual Integrations
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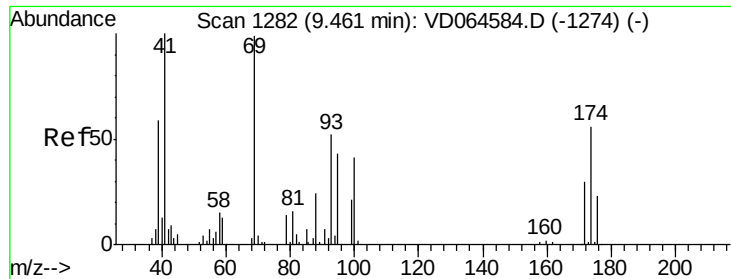
MMDadoda
1/14/2020 1:29:55 PM



#48
Methyl methacrylate
Concen: 52.987 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.6	63.0	94.6
39	67.1	47.4	71.2





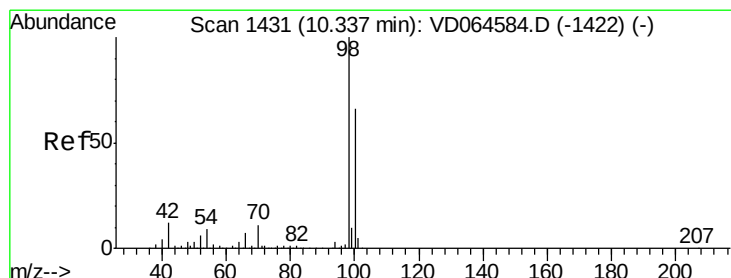
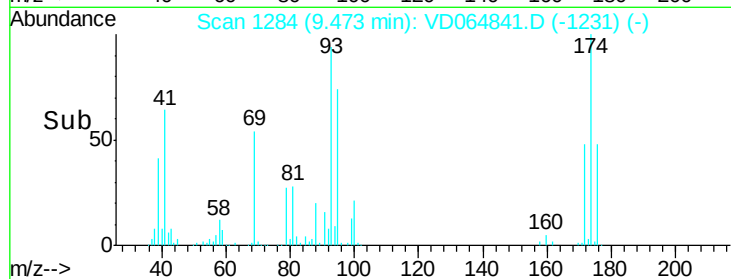
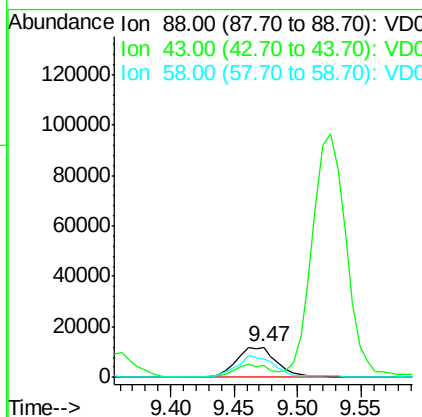
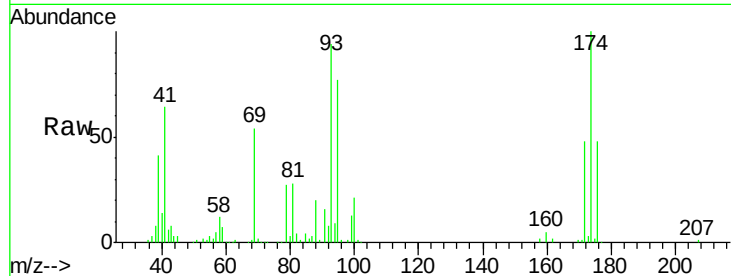
#49
1,4-Dioxane
Concen: 1068.092 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	26681
Ion	Ratio	Lower	Upper
88	100		
43	34.4	27.7	41.5
58	68.6	53.8	80.6

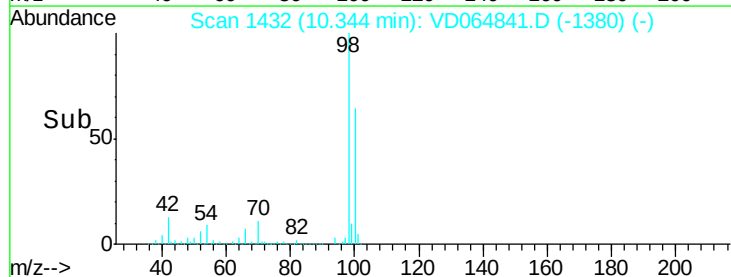
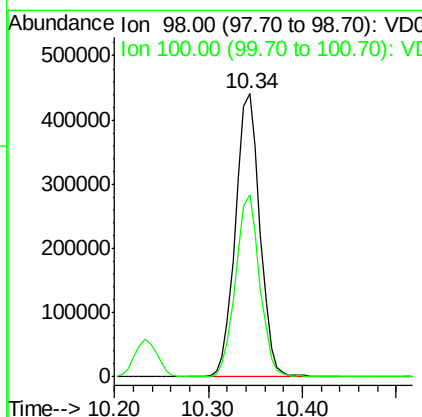
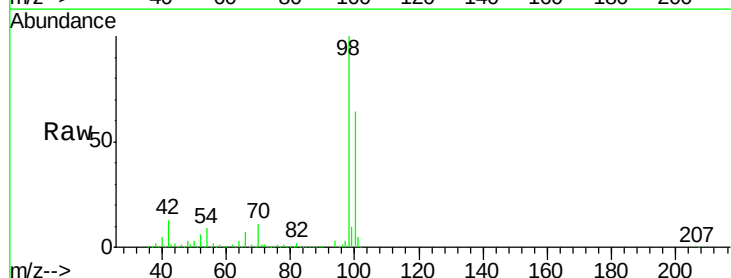
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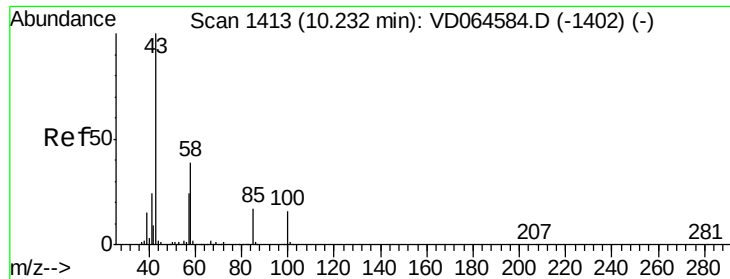
MMDadoda
1/14/2020 1:29:55 PM



#50
Toluene-d8
Concen: 54.649 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion	98	Resp	795338
Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.7	77.5





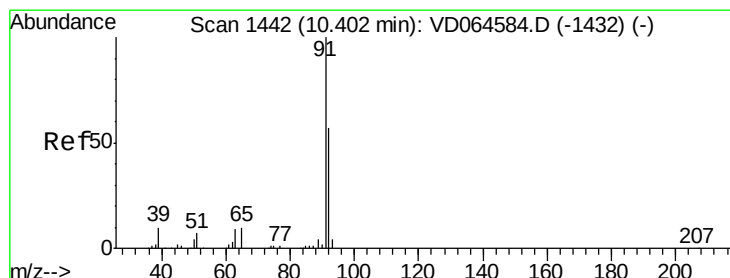
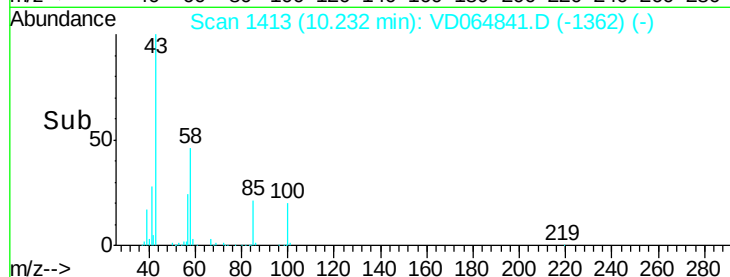
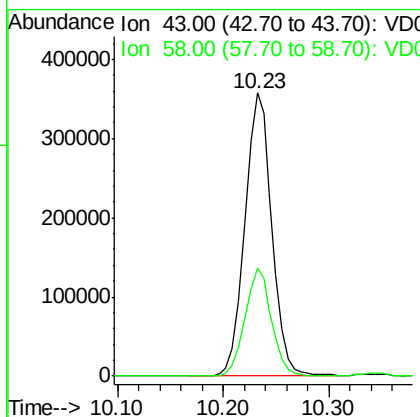
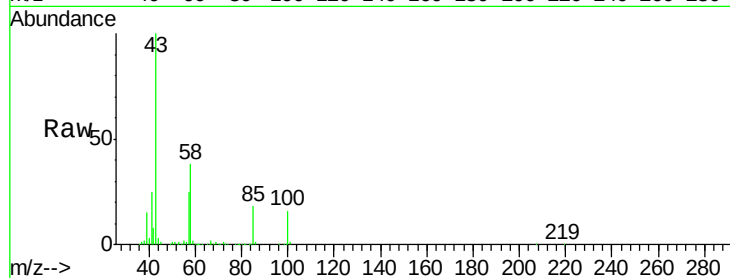
#51
4-Methyl-2-Pentanone
Concen: 274.554 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.4	30.2	45.2

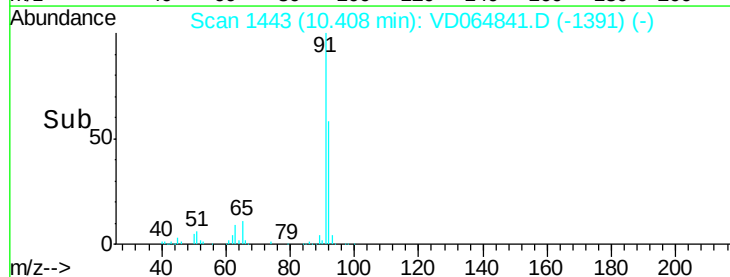
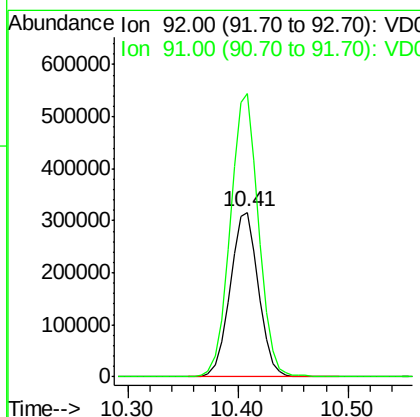
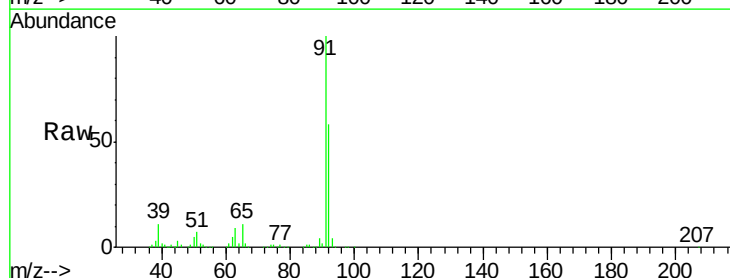
Manual Integrations
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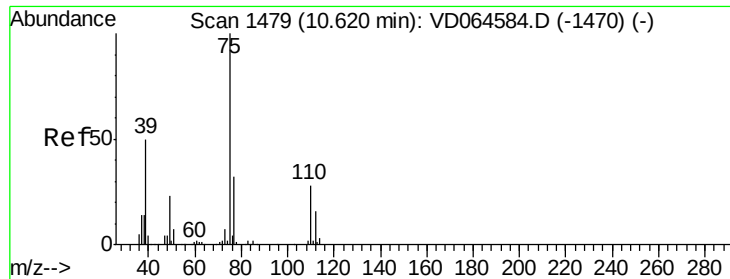
MMDadoda
1/14/2020 1:29:55 PM



#52
Toluene
Concen: 53.350 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.9	138.7	208.1





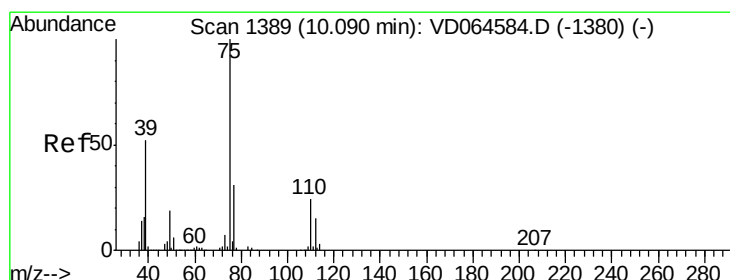
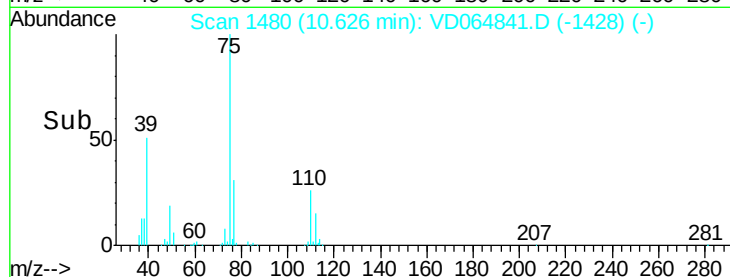
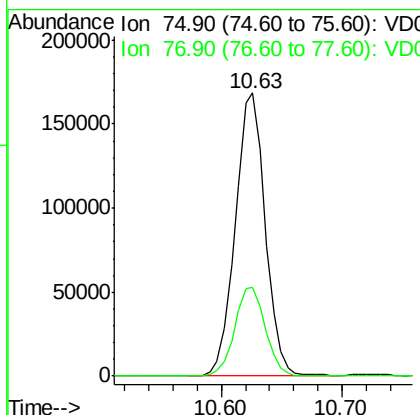
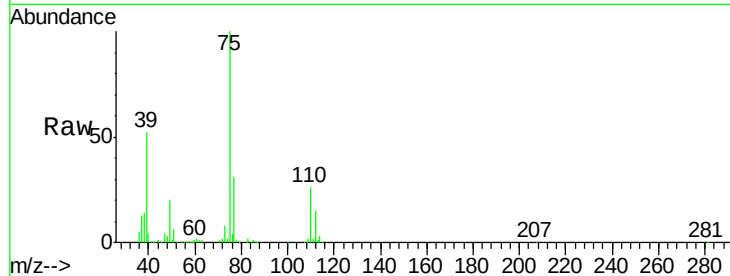
#53
t-1,3-Dichloropropene
Concen: 54.205 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.2

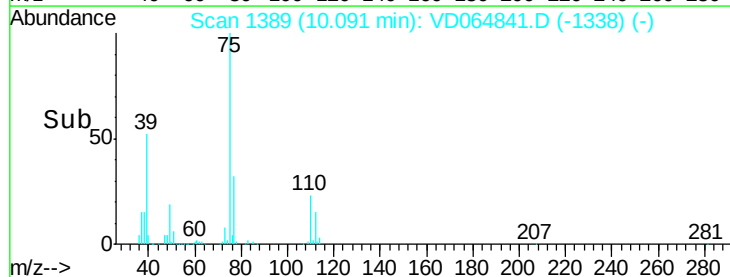
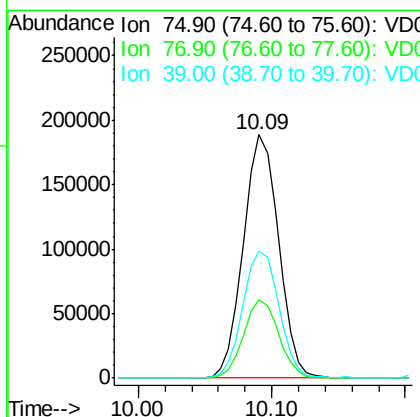
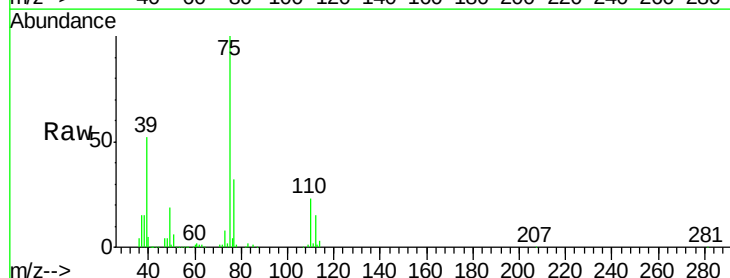
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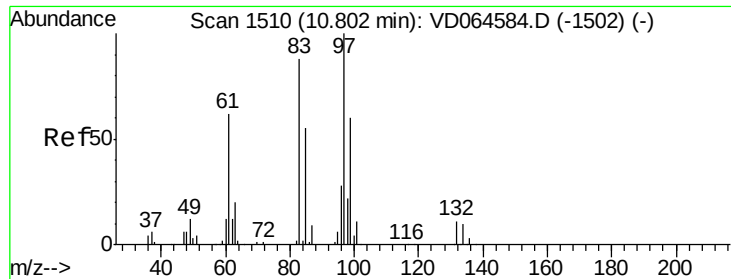
MMDadoda
1/14/2020 1:29:55 PM



#54
cis-1,3-Dichloropropene
Concen: 54.551 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.6	36.8
39	52.1	41.4	62.2





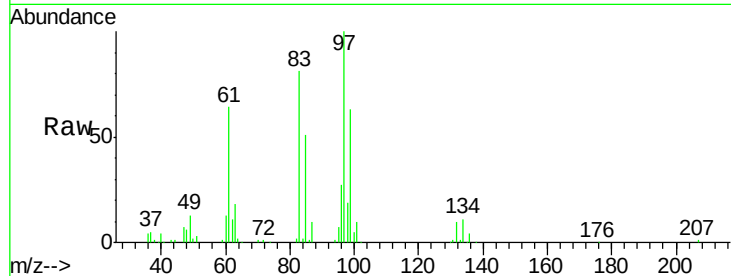
#55
 1,1,2-Trichloroethane
 Concen: 54.074 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	157875		
83	81.4	70.2	105.4	
85	51.4	44.0	66.0	
99	63.2	47.8	71.6	

Manual Integrations
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MMDadoda
 1/14/2020 1:29:55 PM

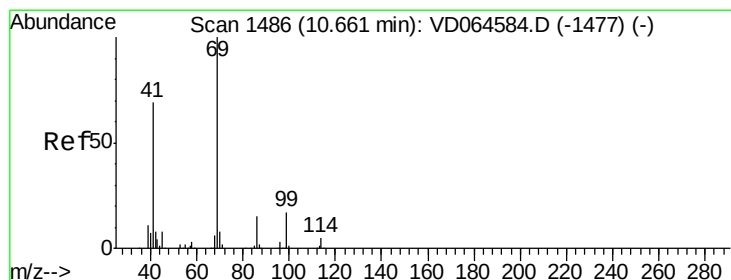
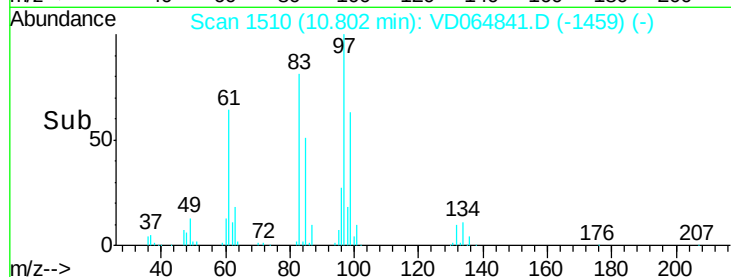
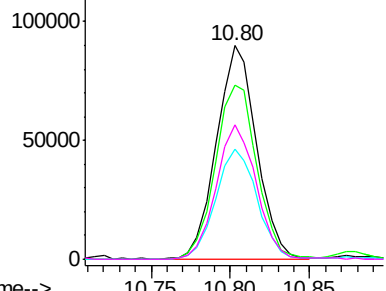


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

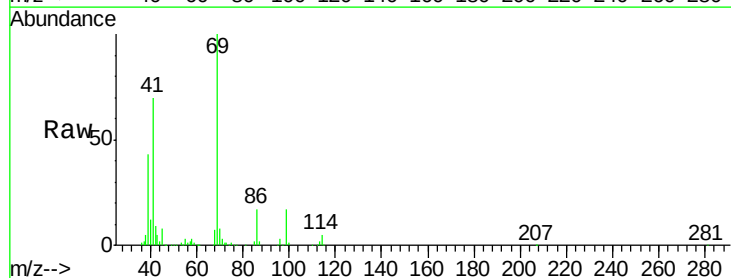
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 53.539 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

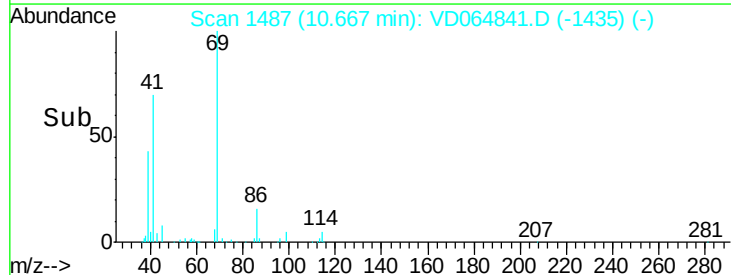
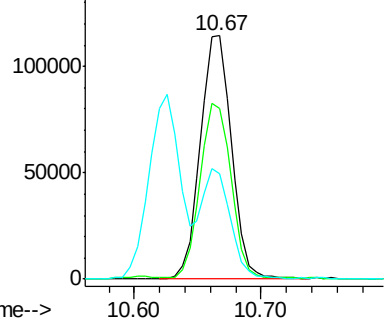
Tgt Ion	Ratio	Resp	Lower	Upper
69	100	195214		
41	72.1	55.3	82.9	
39	43.0	33.8	50.8	

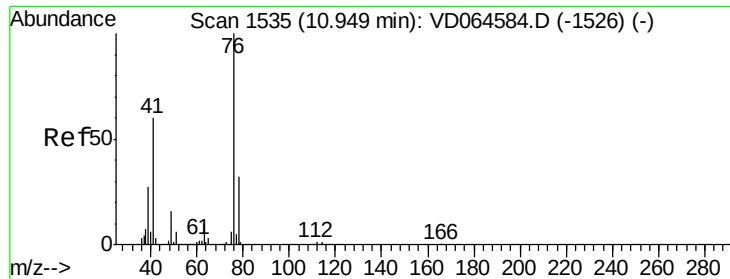


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





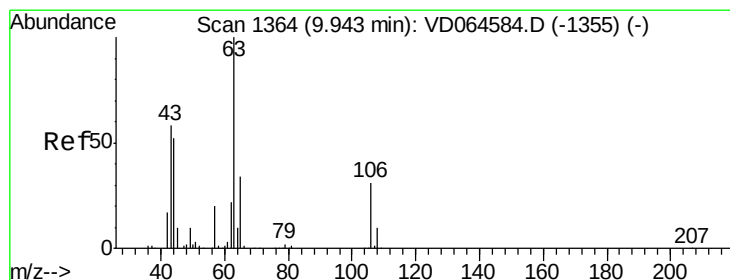
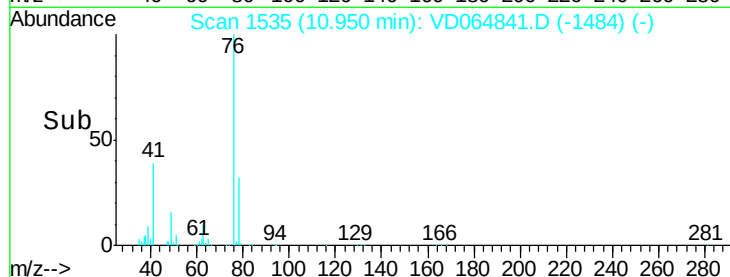
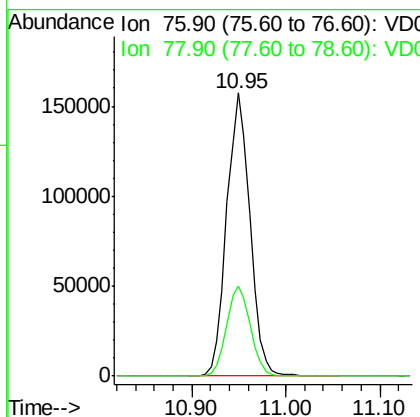
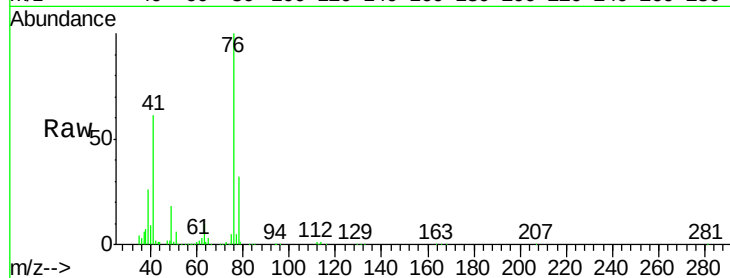
#57
 1,3-Dichloropropane
 Concen: 53.856 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.4

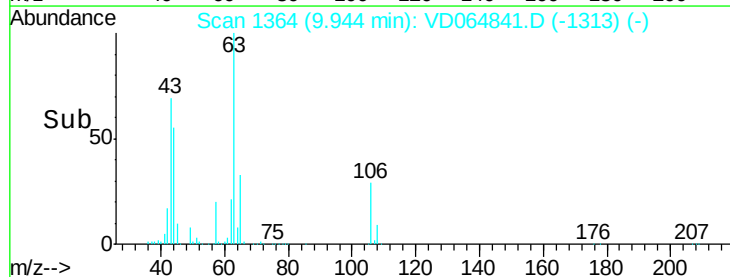
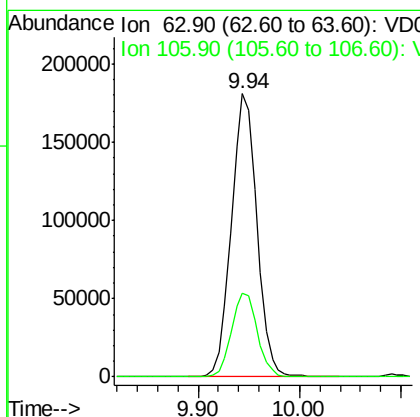
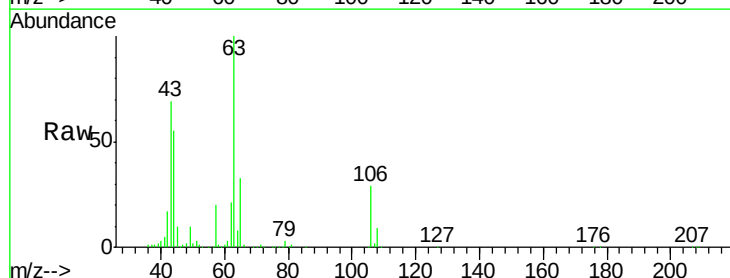
Manual Integrations
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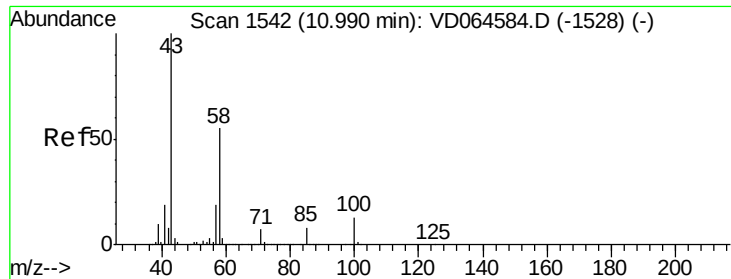
MMDadoda
 1/14/2020 1:29:55 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 228.177 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.7	23.8	35.8





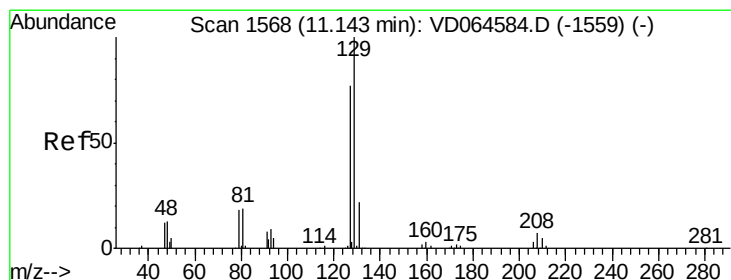
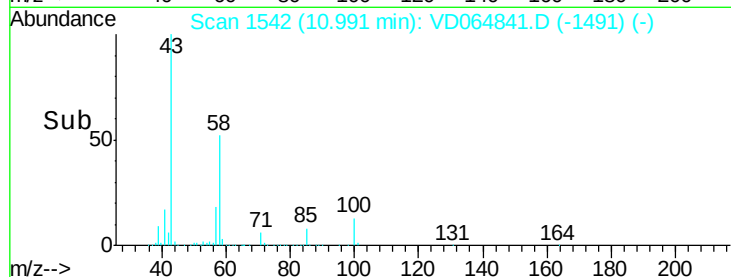
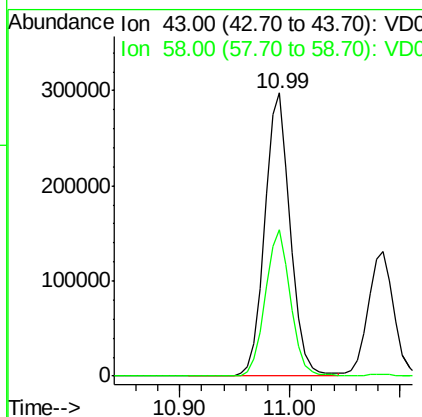
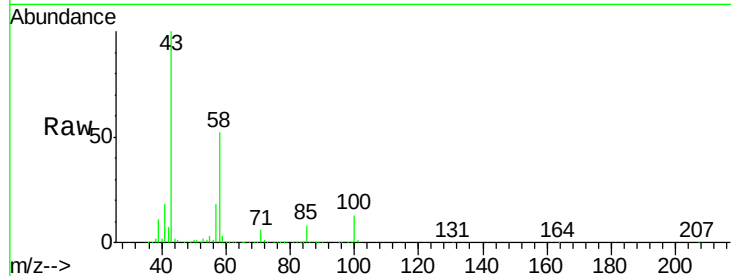
#59
2-Hexanone
Concen: 307.630 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 481080
Ion Ratio Lower Upper
43 100
58 51.1 26.4 79.0

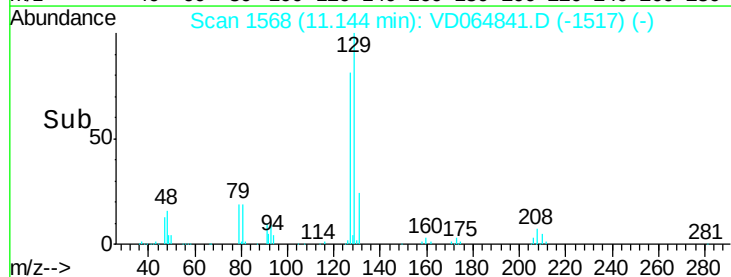
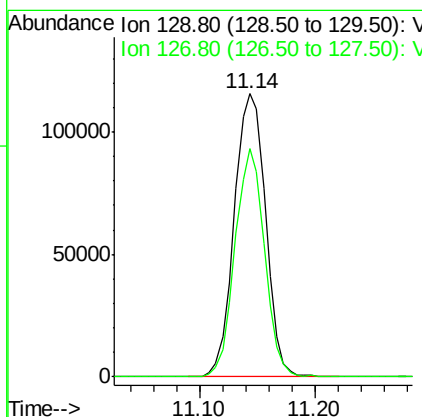
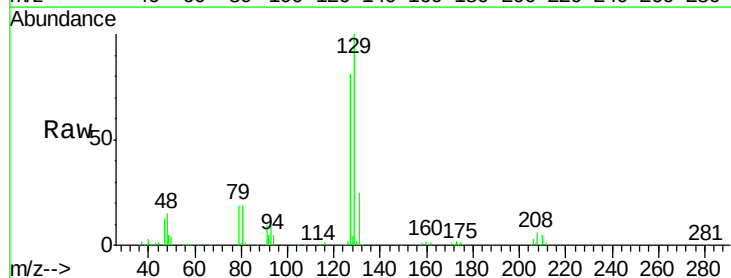
Manual Integrations
APPROVED

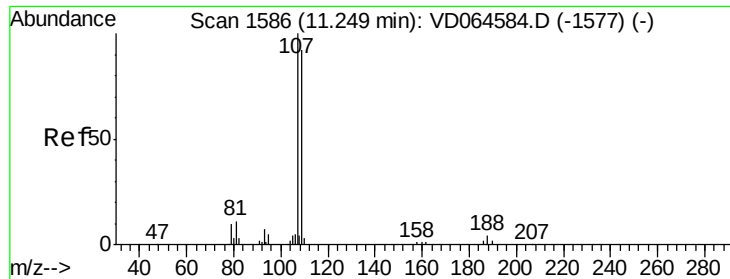
MMDadoda
1/14/2020 1:29:55 PM



#60
Dibromochloromethane
Concen: 53.931 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion: 129 Resp: 217743
Ion Ratio Lower Upper
129 100
127 76.0 38.4 115.2





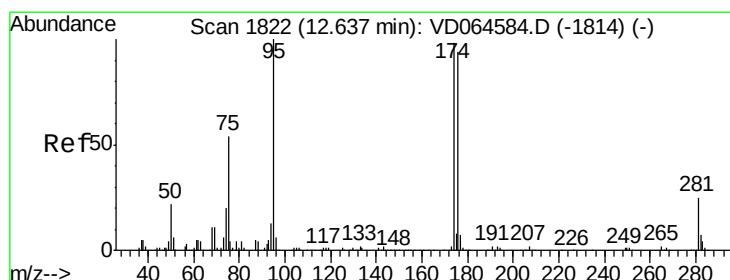
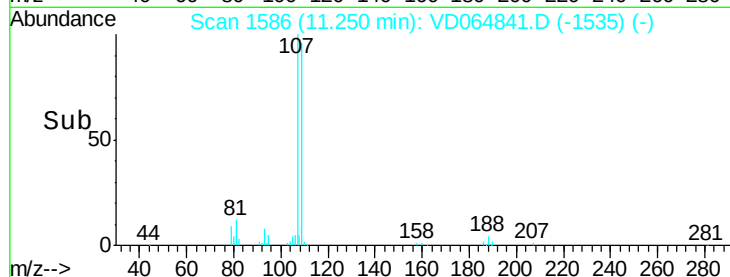
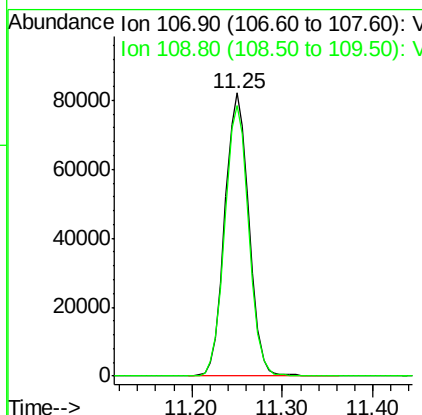
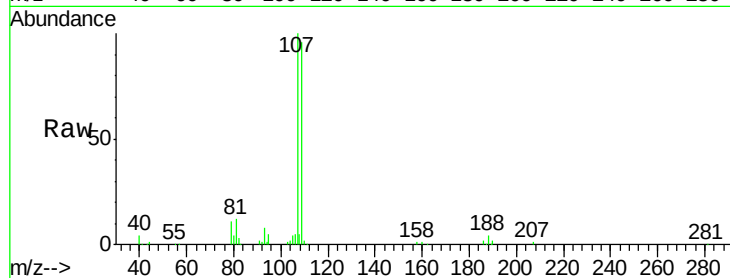
#61
 1,2-Dibromoethane
 Concen: 52.534 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 151279
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.6 113.4

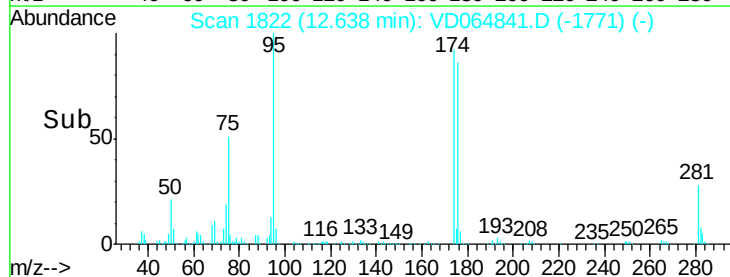
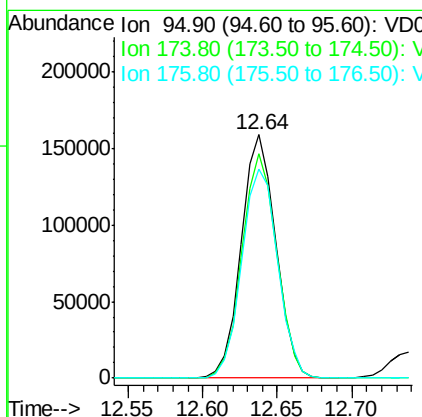
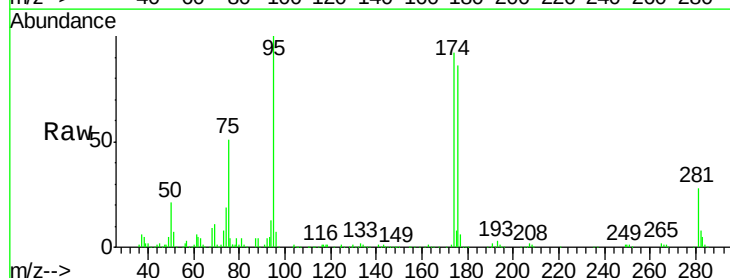
Manual Integrations
 APPROVED

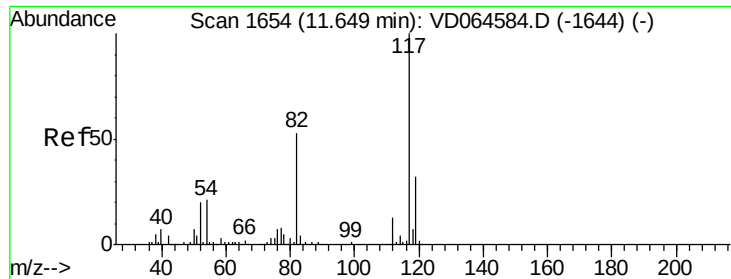
MMDadoda
 1/14/2020 1:29:55 PM



#62
 4-Bromofluorobenzene
 Concen: 55.596 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Tgt Ion: 95 Resp: 255850
 Ion Ratio Lower Upper
 95 100
 174 92.6 0.0 193.2
 176 89.0 0.0 184.2





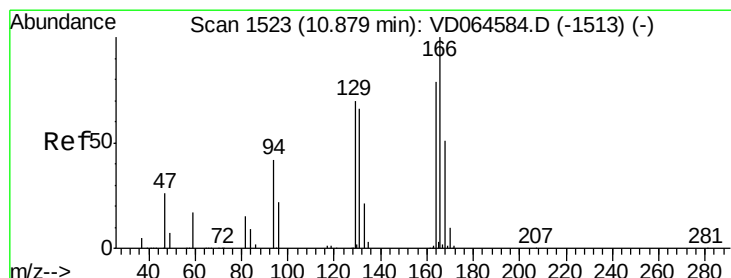
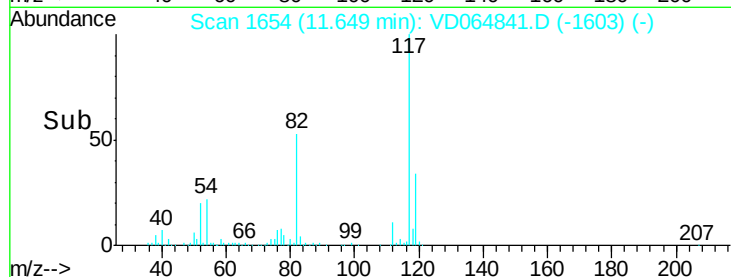
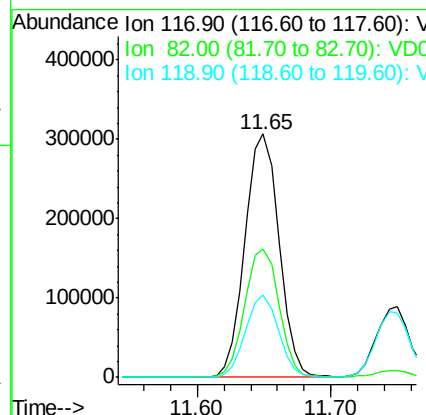
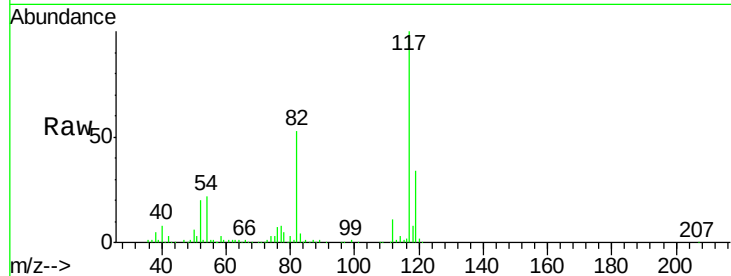
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	542127		
82	52.9	42.2	63.4	
119	33.9	26.0	39.0	

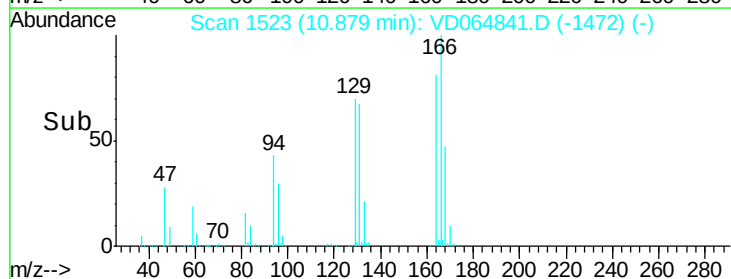
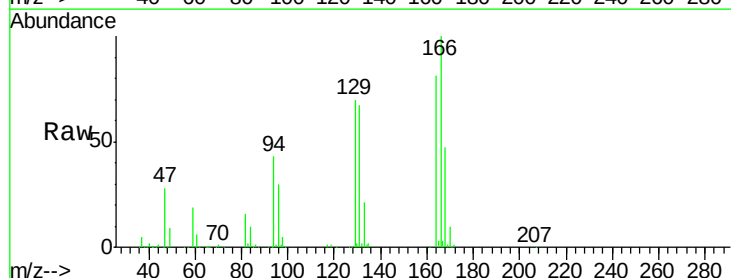
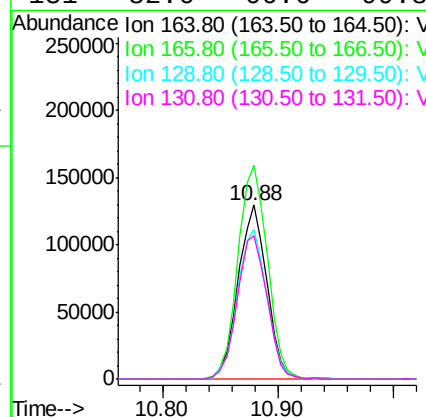
Manual Integrations
APPROVED

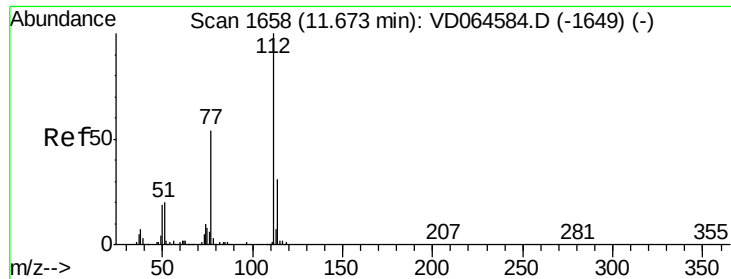
MMDadoda
1/14/2020 1:29:55 PM



#64
Tetrachloroethene
Concen: 53.562 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	222771		
166	123.1	101.3	151.9	
129	86.2	70.5	105.7	
131	82.6	66.6	99.8	





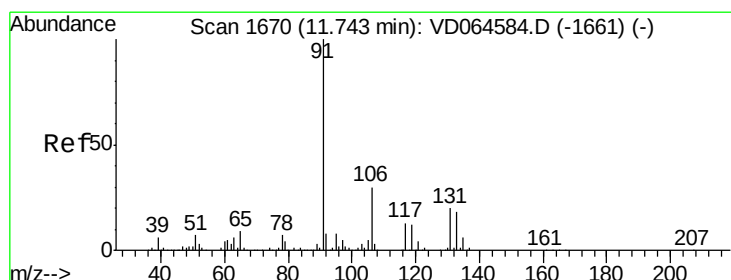
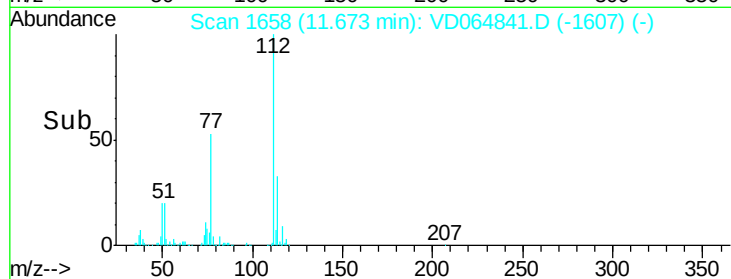
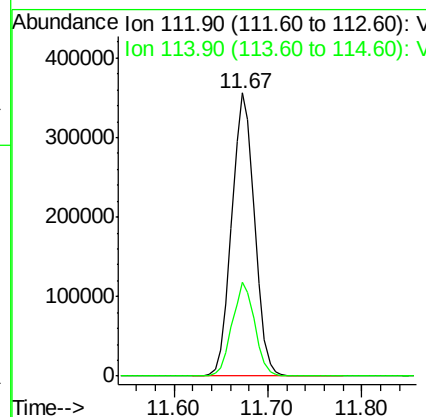
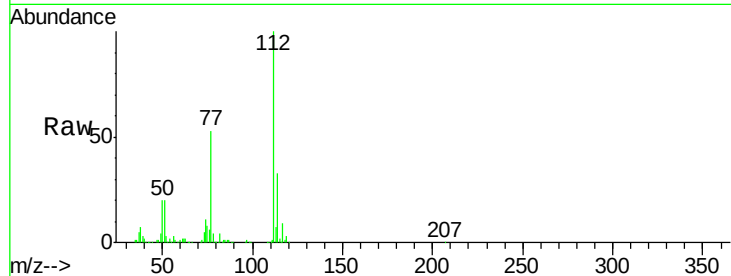
#65
Chlorobenzene
Concen: 53.258 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	24.8	37.2

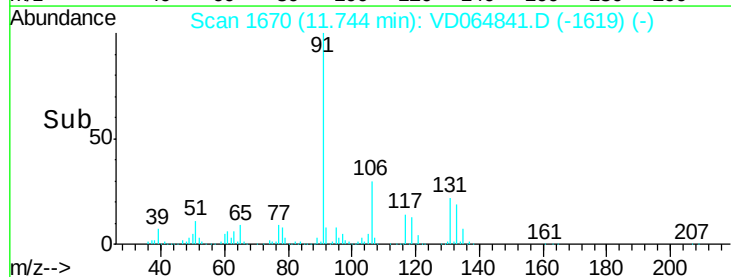
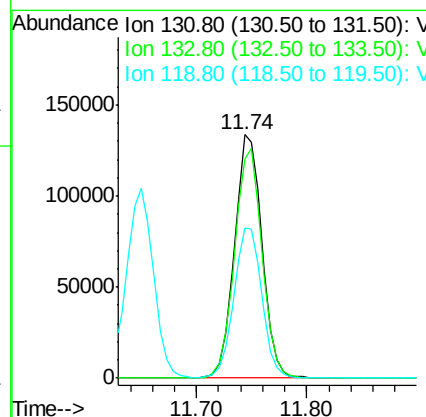
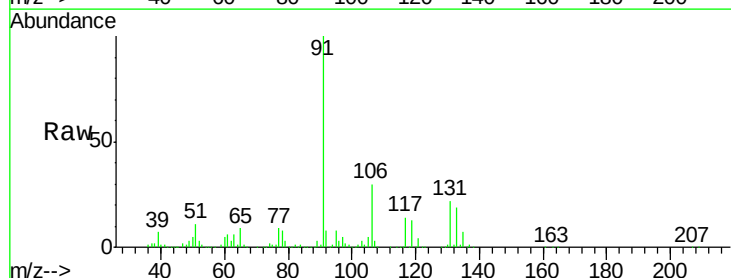
Manual Integrations
APPROVED

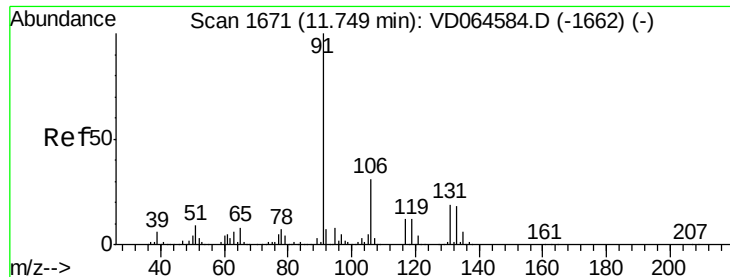
MMDadoda
1/14/2020 1:29:55 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.103 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	48.3	144.8
119	63.0	32.1	96.3





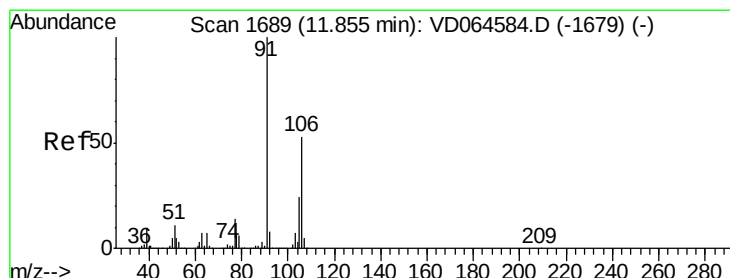
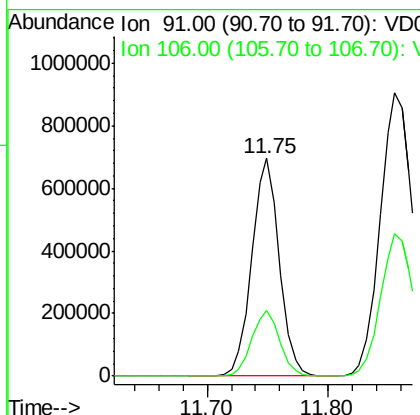
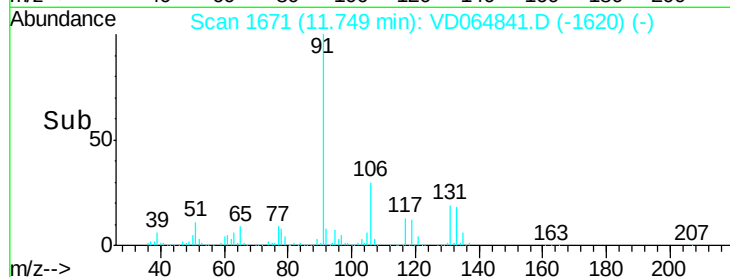
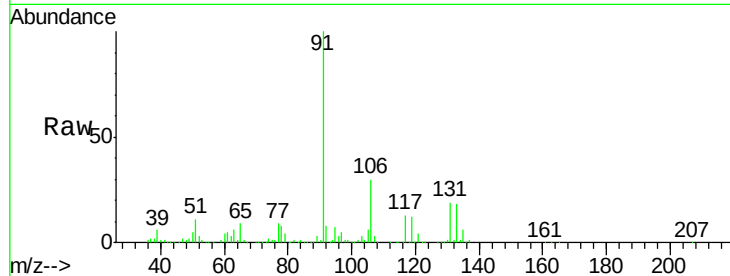
#67
Ethyl Benzene
Concen: 53.869 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1100139
Ion Ratio Lower Upper
91 100
106 30.4 24.6 36.8

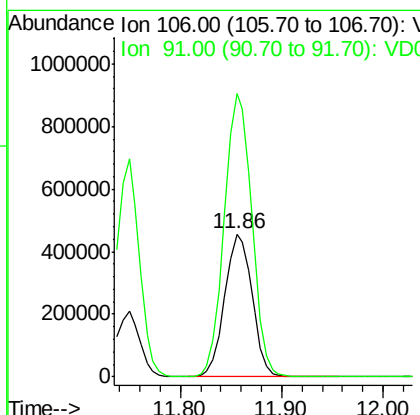
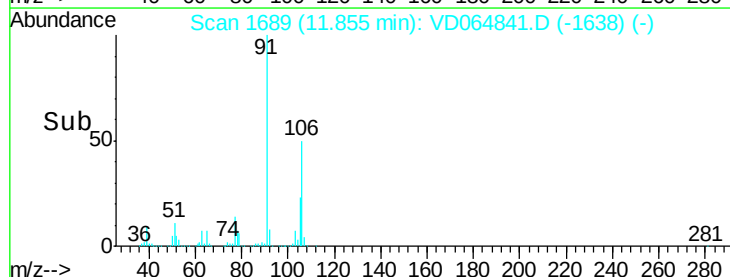
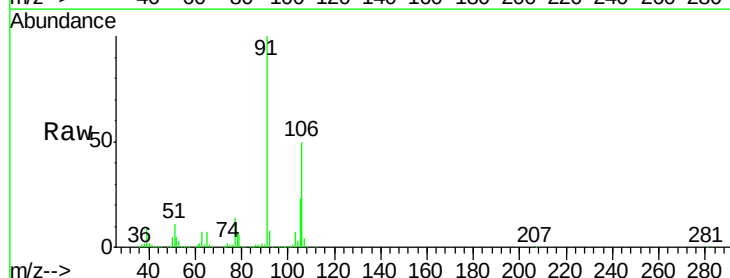
Manual Integrations
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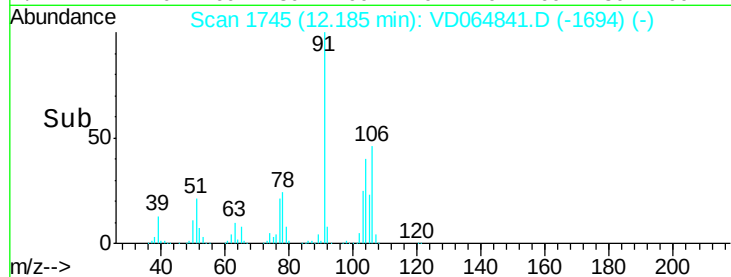
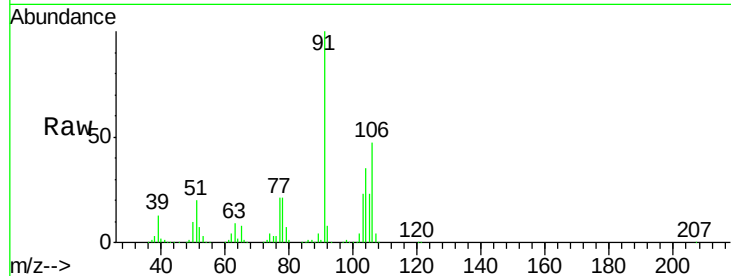
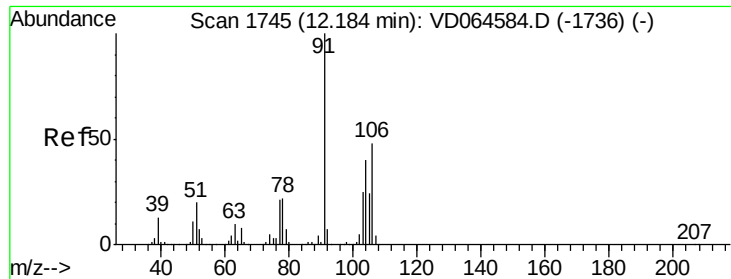
MMDadoda
1/14/2020 1:29:55 PM



#68
m/p-Xylenes
Concen: 108.406 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion: 106 Resp: 854533
Ion Ratio Lower Upper
106 100
91 199.6 156.3 234.5





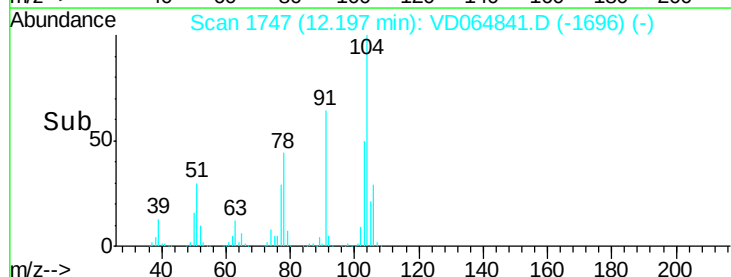
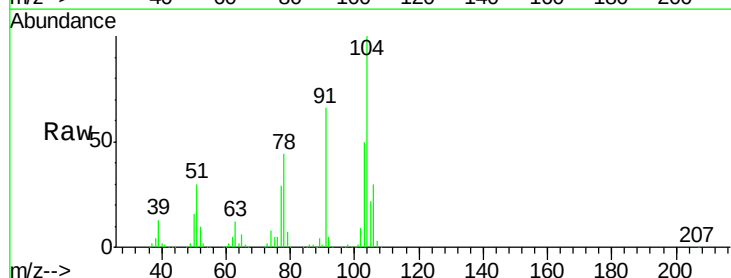
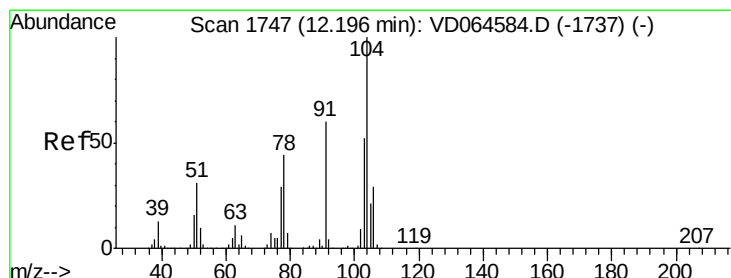
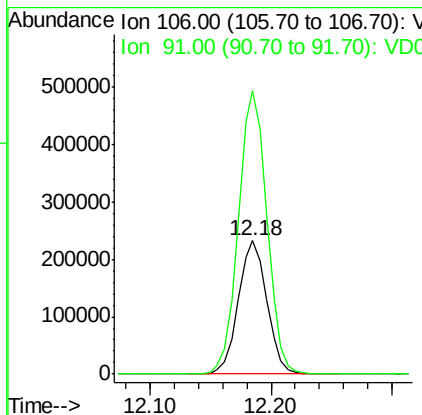
#69
o-Xylene
Concen: 53.729 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	382551		
91	212.4	104.8	314.4	

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

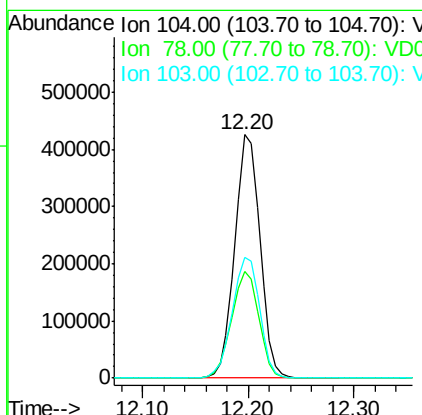
Manual Integrations
APPROVED

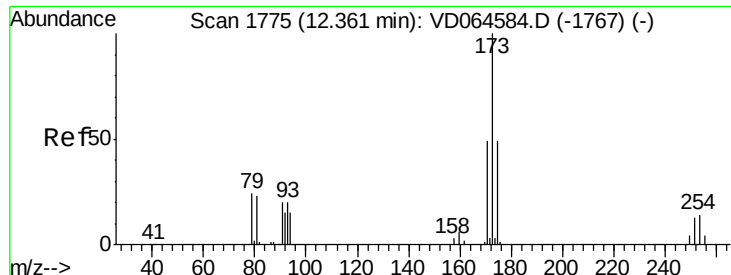
MMDadoda
1/14/2020 1:29:55 PM



#70
Styrene
Concen: 56.131 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	701506		
78	47.4	38.2	57.2	
103	54.1	44.6	67.0	





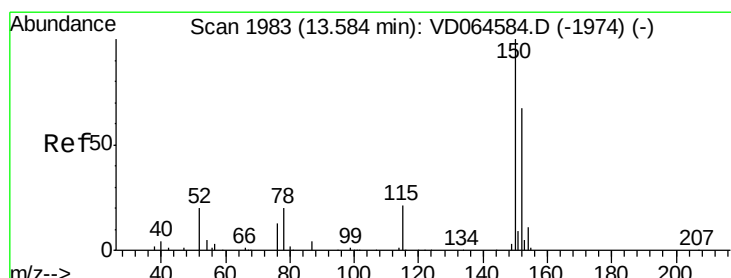
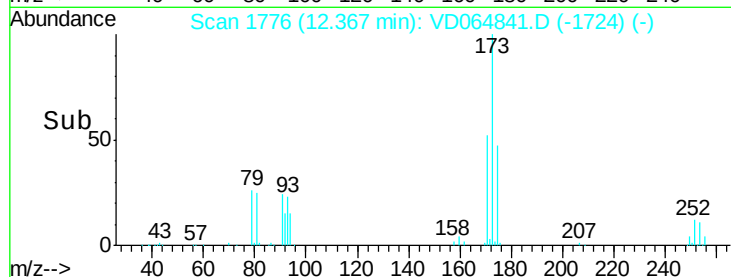
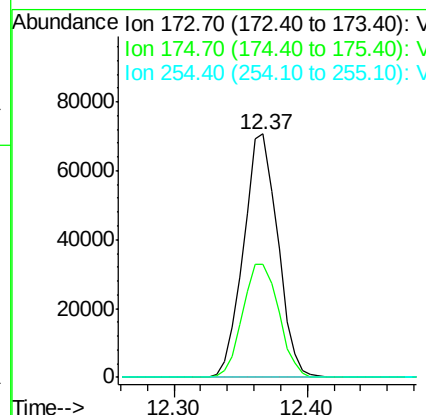
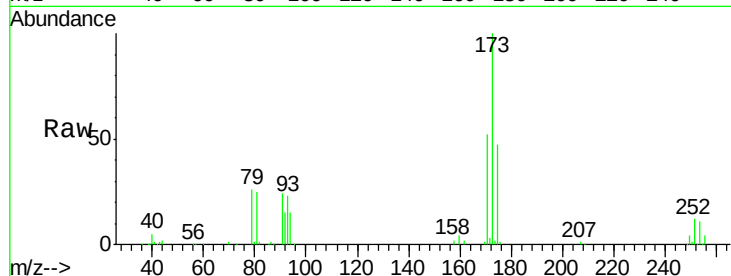
#71
Bromoform
Concen: 51.764 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	73.8
254	0.1	0.1	0.1#

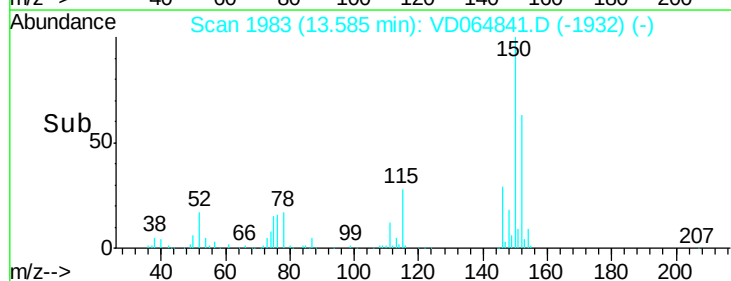
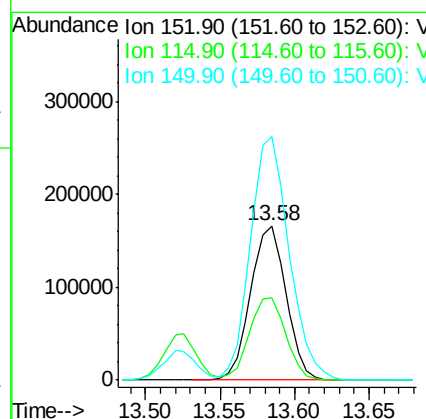
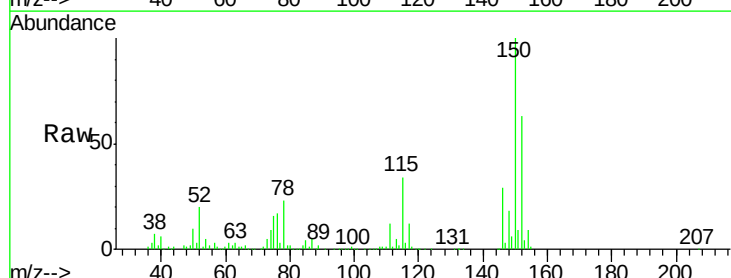
Manual Integrations
APPROVED

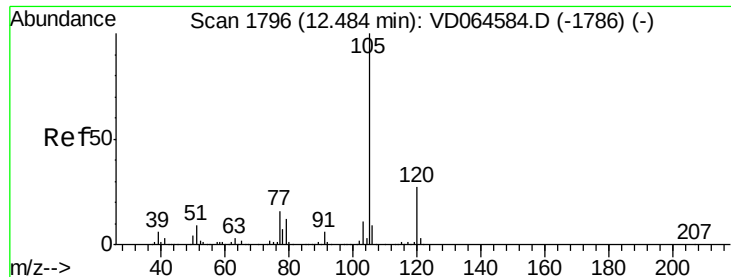
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	27.8	83.4
150	173.5	0.0	351.4





#73

Isopropylbenzene

Concen: 54.385 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1056226

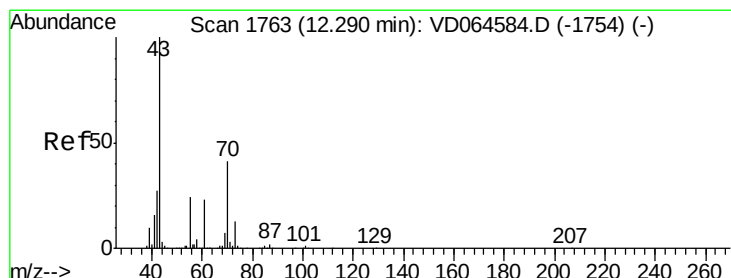
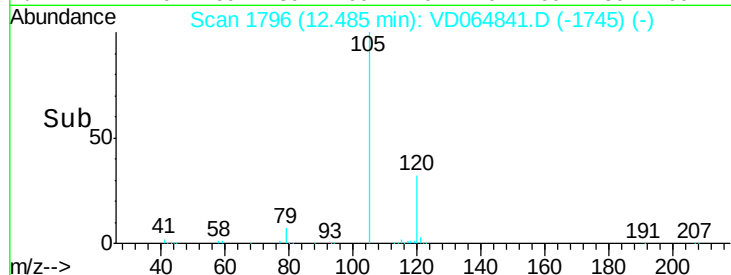
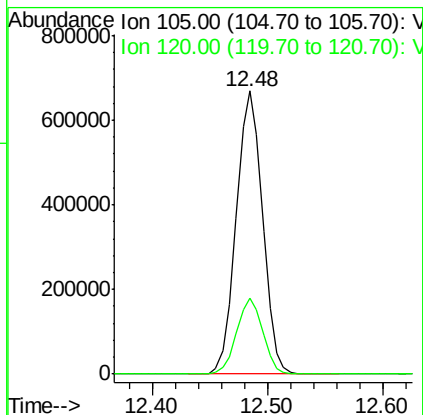
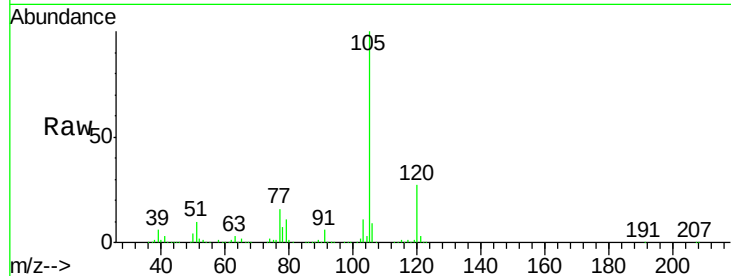
Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.5

Manual Integrations
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#74

N-ethyl acetate

Concen: 54.207 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Tgt Ion: 43 Resp: 225044

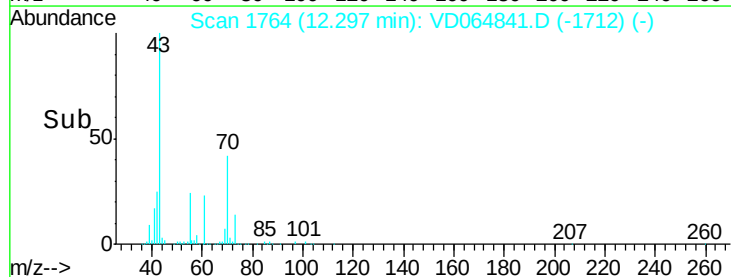
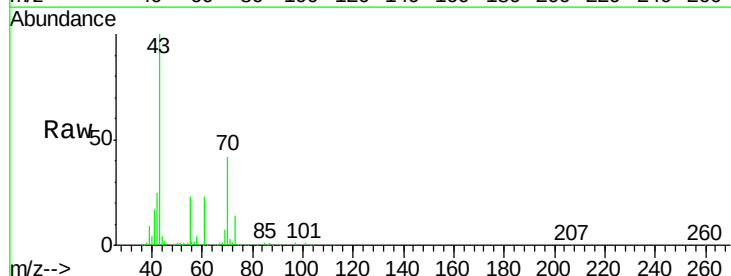
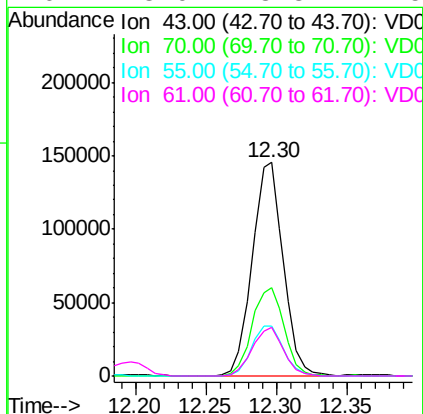
Ion Ratio Lower Upper

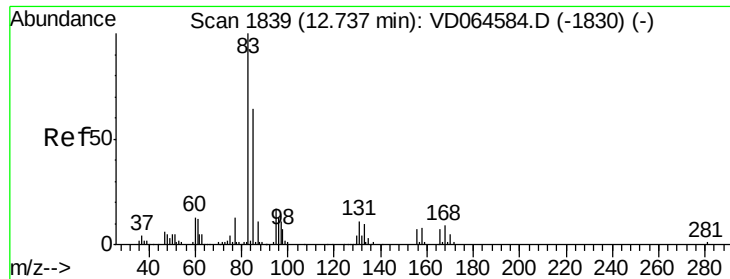
43 100

70 42.5 33.4 50.0

55 24.5 19.4 29.0

61 23.0 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 53.424 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

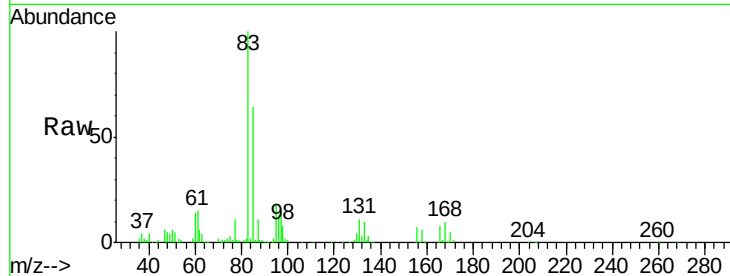
ClientSampleId :

VSTDCCC050

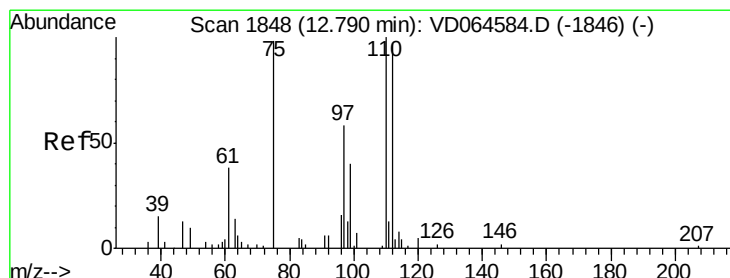
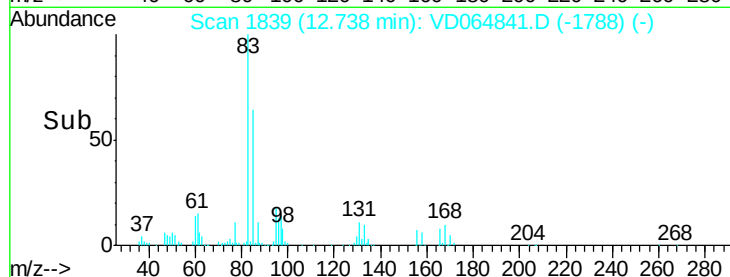
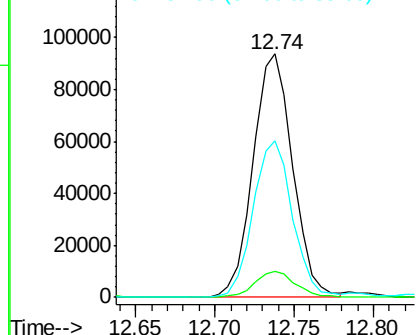
Tot Ion:	83	Resp:	162990
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.8	17.4
85	63.7	32.3	96.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 57.933 ug/l m

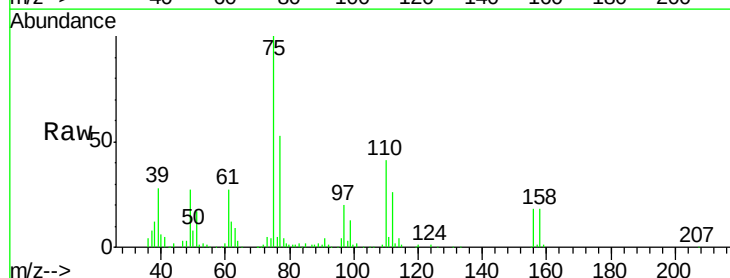
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

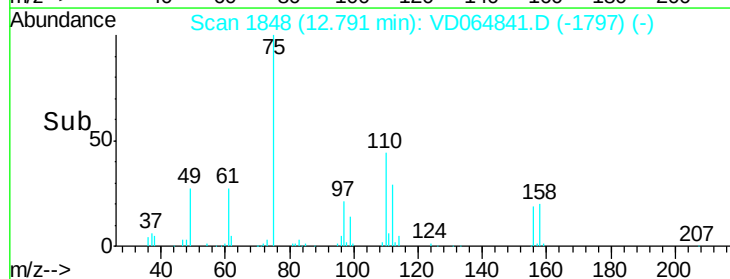
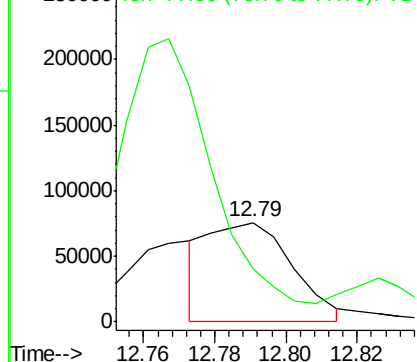
Lab File: VD064841.D

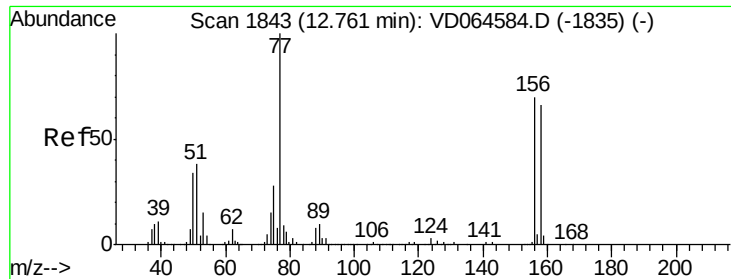
Acq: 13 Jan 2020 11:01

Tgt Ion:	75	Resp:	124327
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 52.686 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

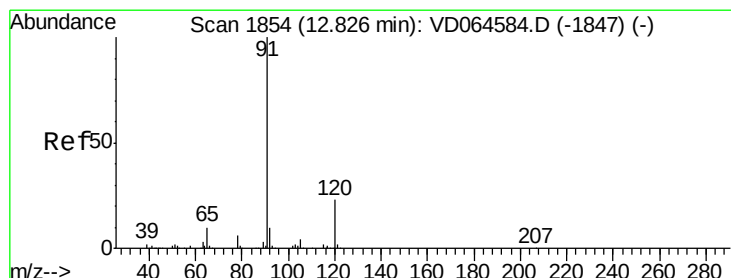
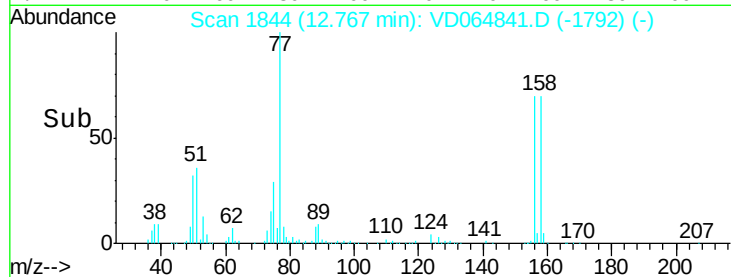
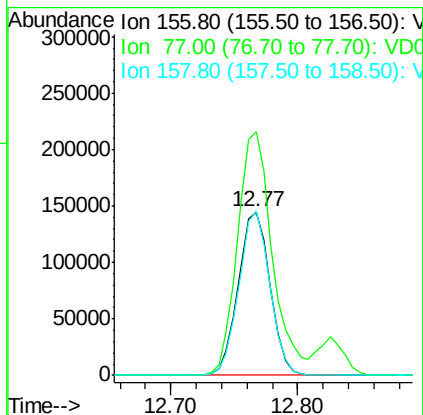
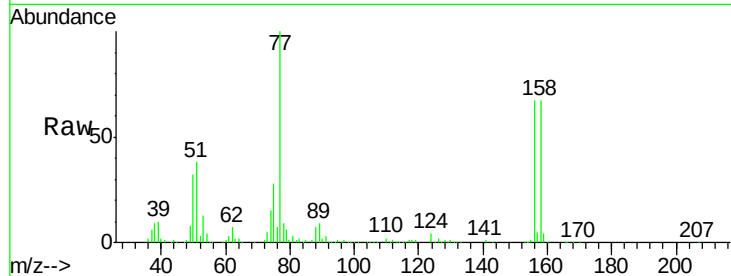
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	251421
Ion Ratio	Lower	Upper	
156	100		
77	164.1	80.9	242.7
158	97.2	48.0	144.2

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#78

n-propylbenzene

Concen: 54.887 ug/l

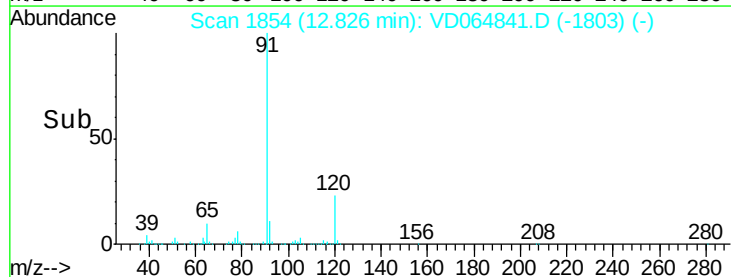
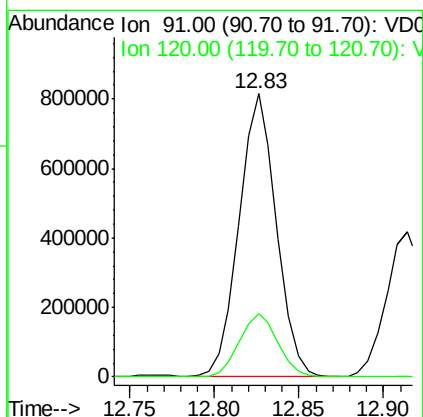
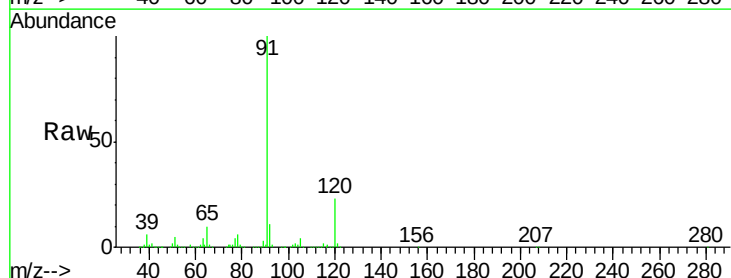
RT: 12.83 min Scan# 1854

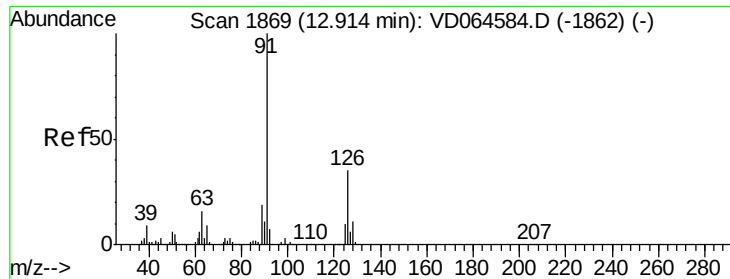
Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Tgt Ion:	91	Resp:	1243590
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.9	35.9





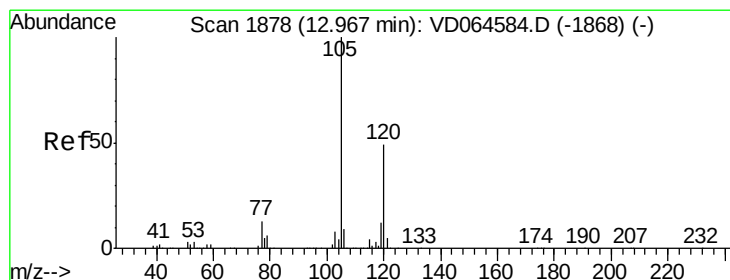
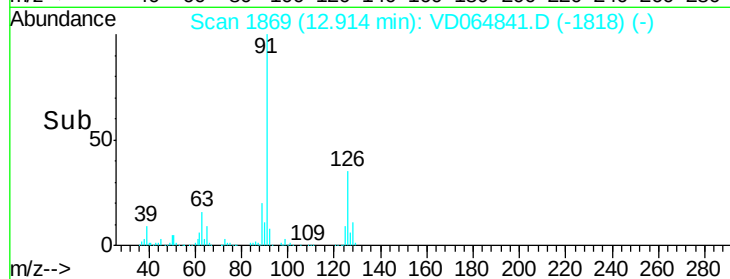
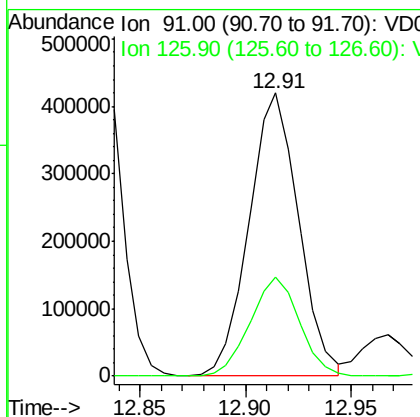
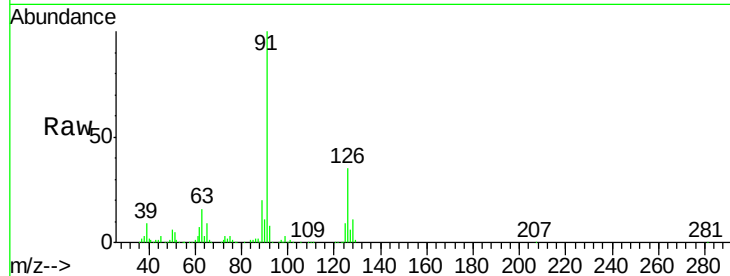
#79
 2-Chlorotoluene
 Concen: 54.745 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.8	53.5

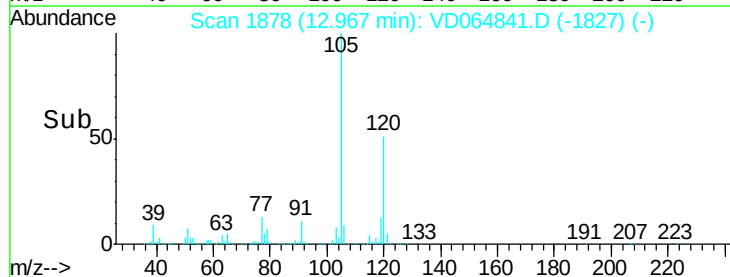
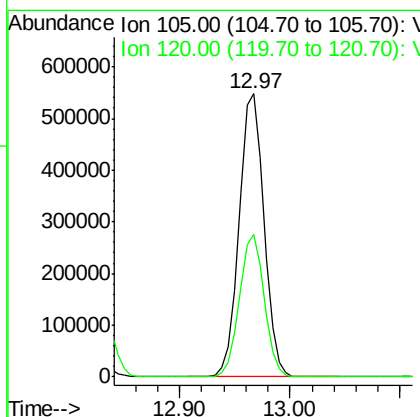
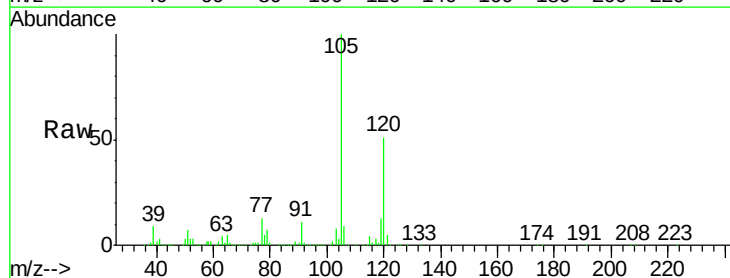
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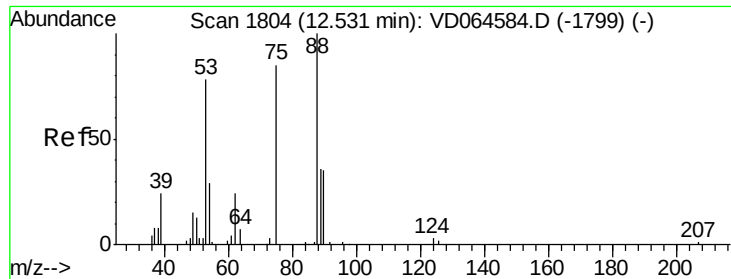
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#80
 1,3,5-Trimethylbenzene
 Concen: 54.578 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.1	25.0	75.0





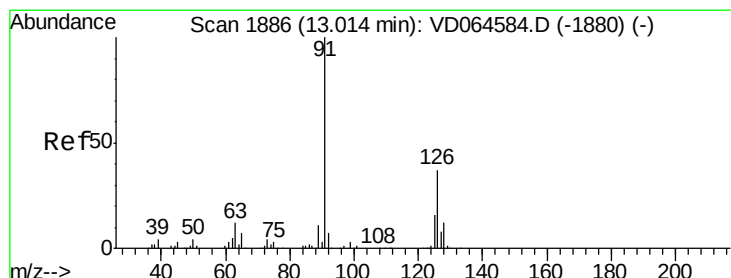
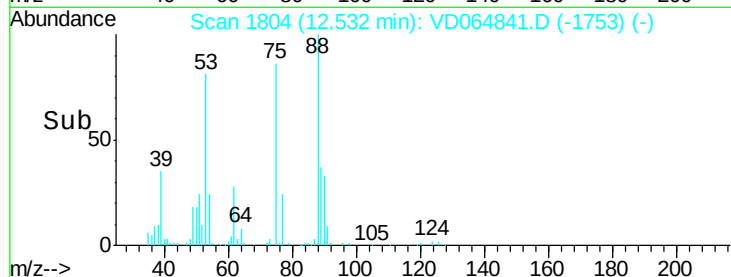
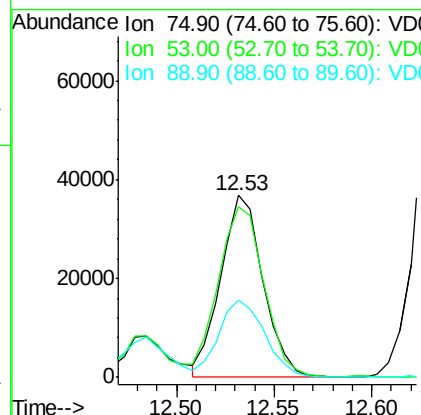
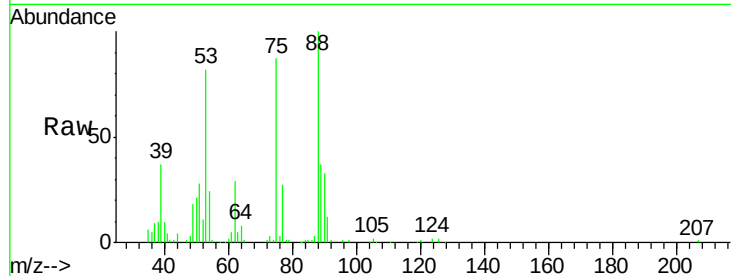
#81
trans-1,4-Dichloro-2-butene
Concen: 53.996 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.4	78.8	118.2
89	45.9	38.3	57.5

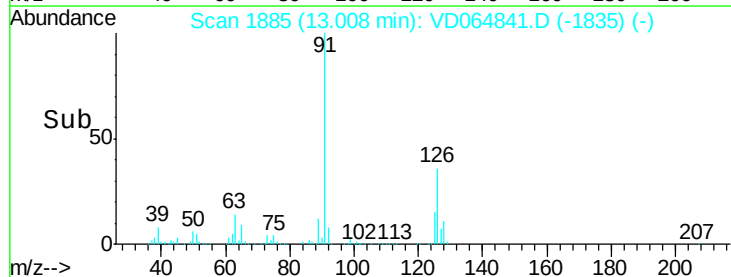
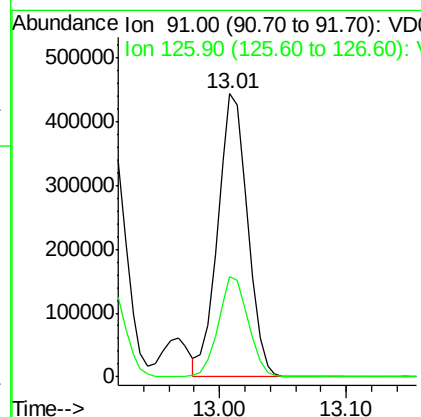
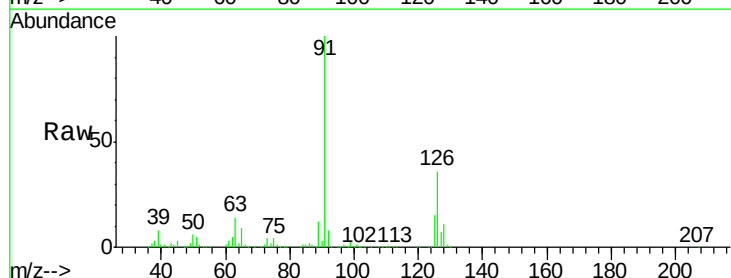
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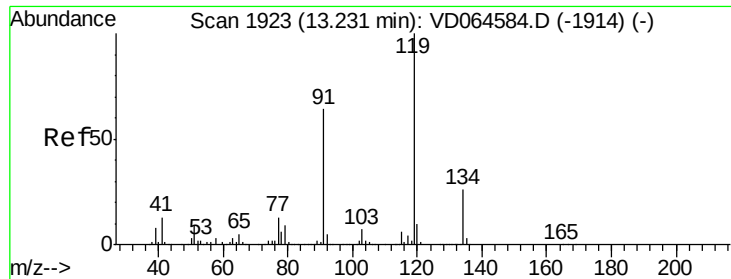
MMDadoda
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#82
4-Chlorotoluene
Concen: 54.750 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.8	53.5





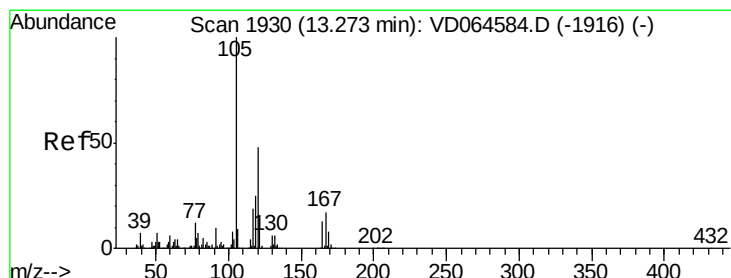
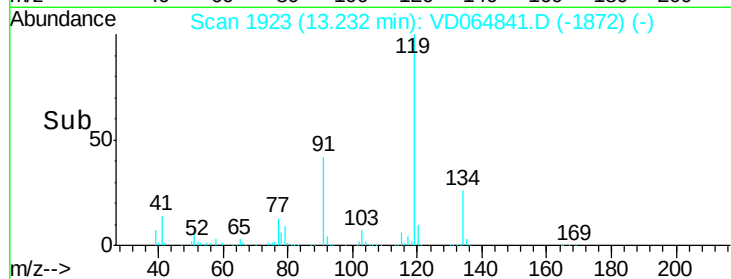
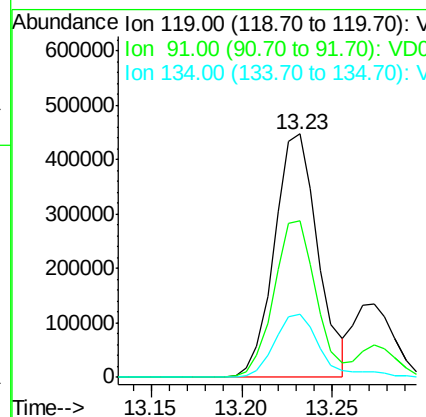
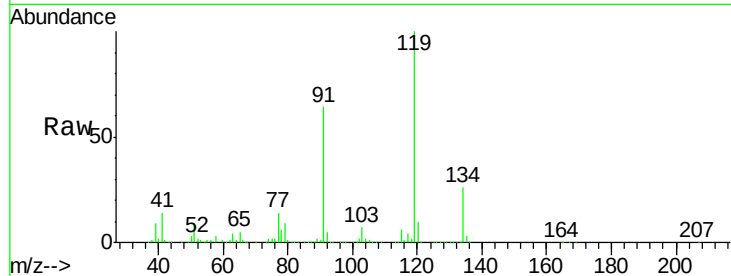
#83
 tert-Butylbenzene
 Concen: 54.004 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.1	30.8	92.4
134	27.6	12.8	38.3

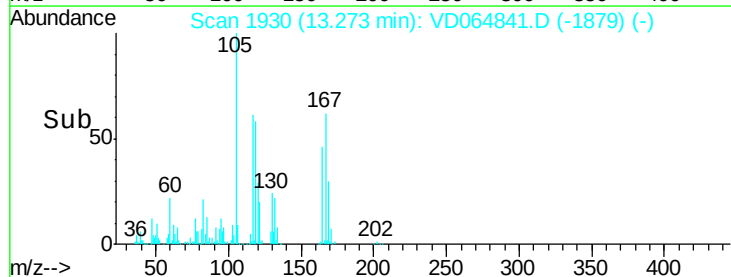
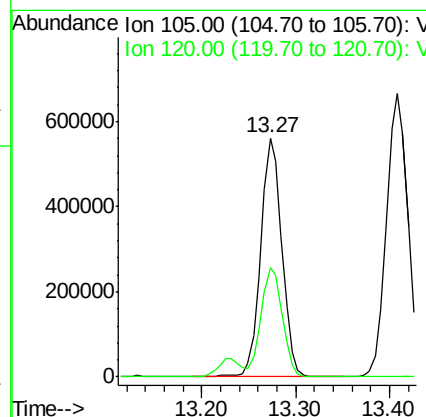
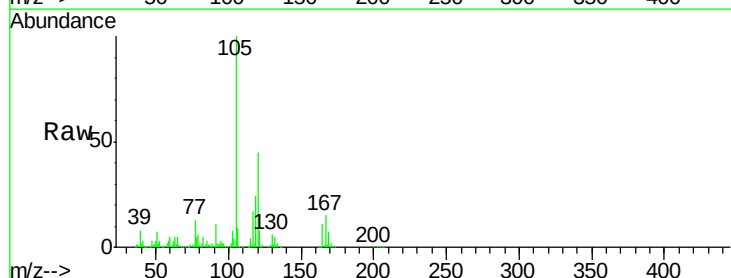
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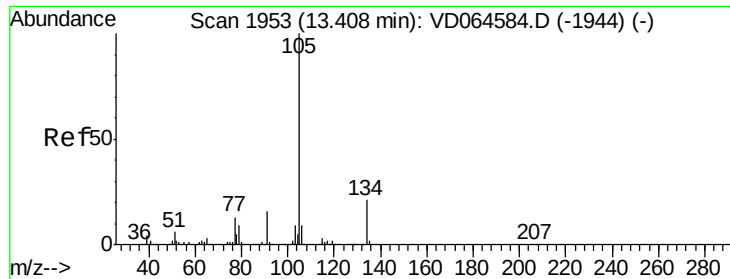
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.009 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.8	71.2





#85

sec-Butylbenzene

Concen: 54.945 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1043393

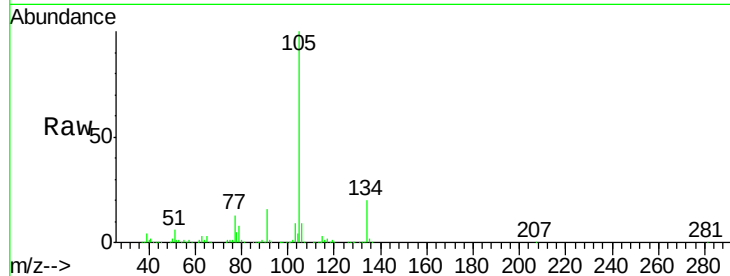
Ion Ratio Lower Upper

105 100

134 20.3 10.6 31.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

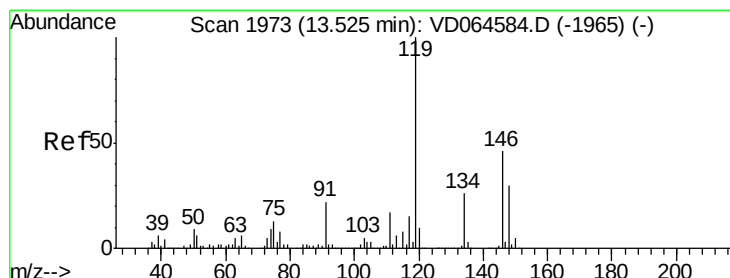
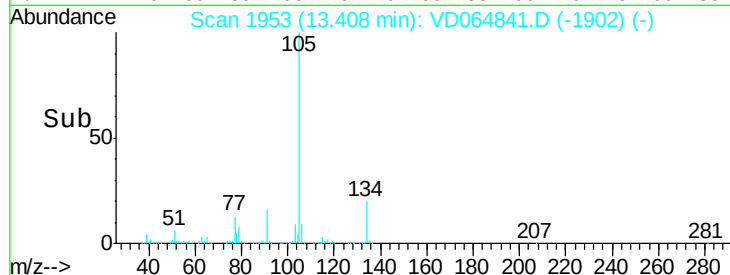
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 54.278 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064841.D

Acq: 13 Jan 2020 11:01

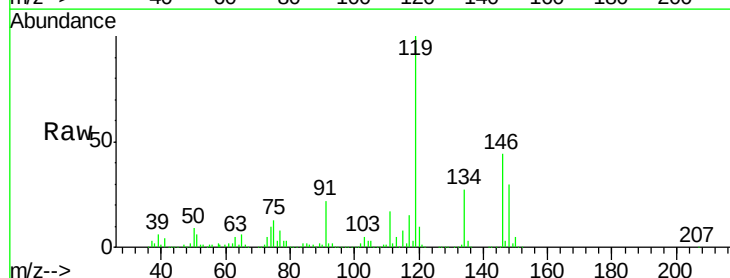
Tgt Ion:119 Resp: 985576

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 22.7 11.2 33.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

800000

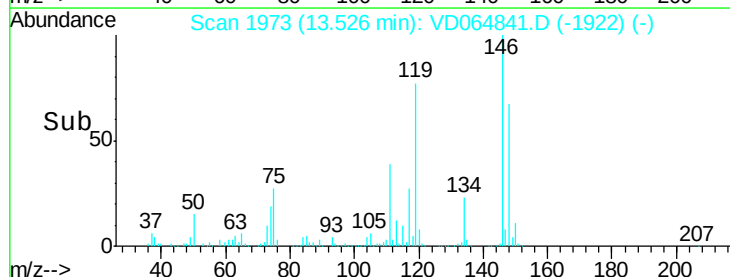
600000

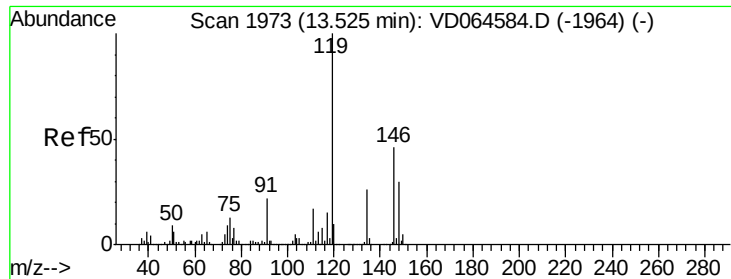
400000

200000

0

Time--> 13.45 13.50 13.55 13.60





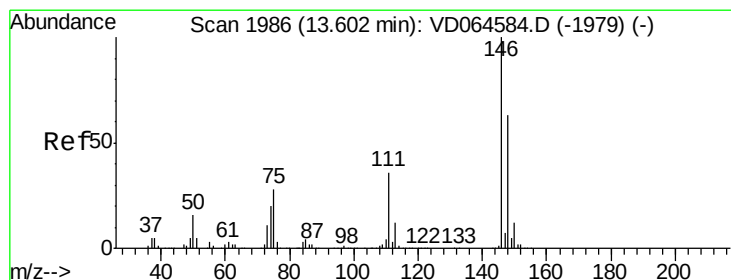
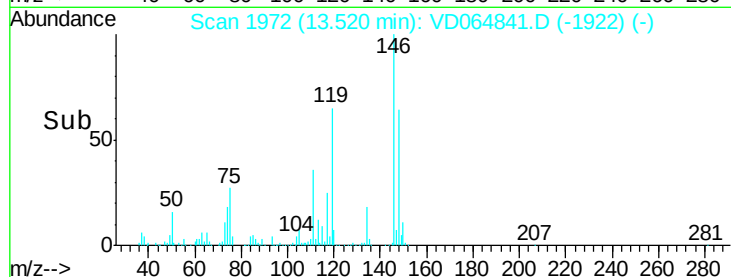
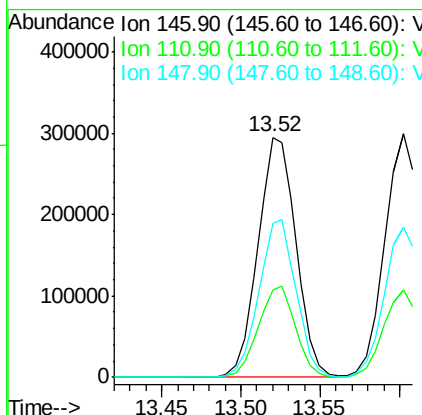
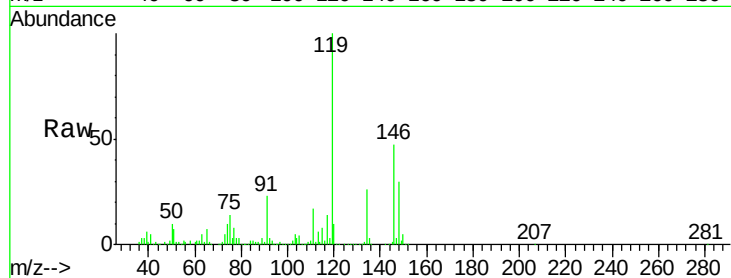
#87
 1,3-Dichlorobenzene
 Concen: 54.050 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	491706		
111	37.1	18.8	56.4	
148	64.3	32.5	97.5	

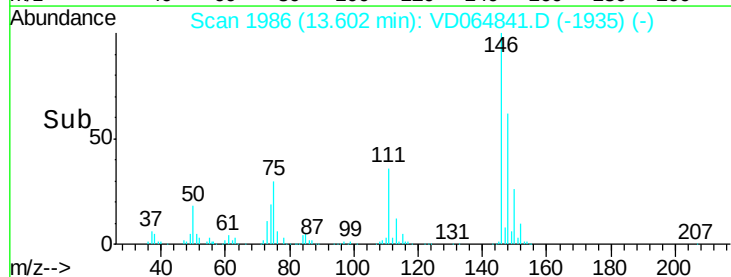
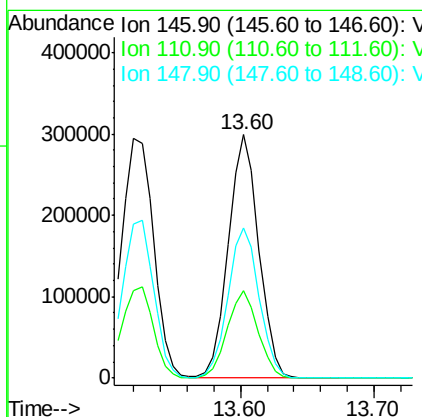
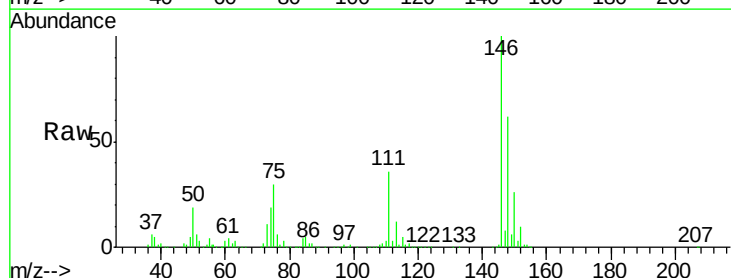
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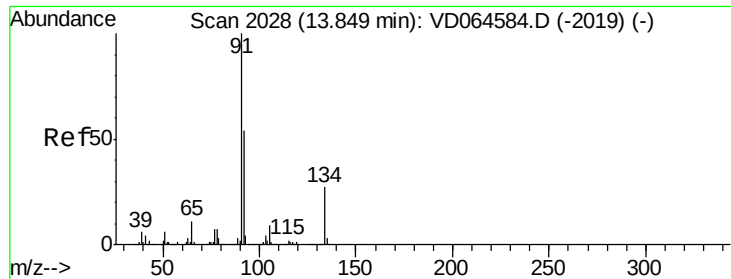
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#88
 1,4-Dichlorobenzene
 Concen: 53.290 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	476243		
111	36.5	18.1	54.1	
148	63.2	32.3	96.9	





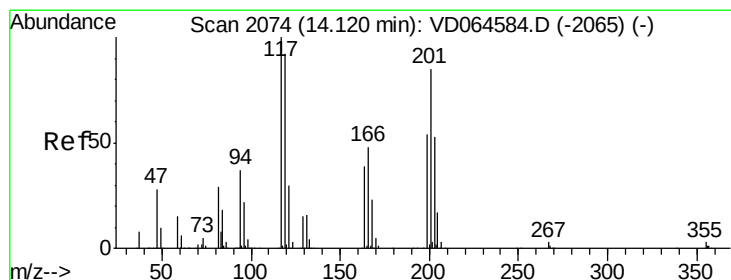
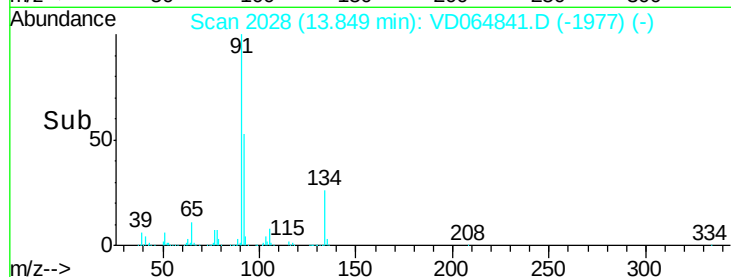
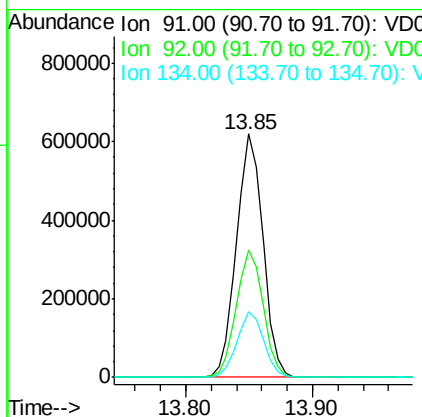
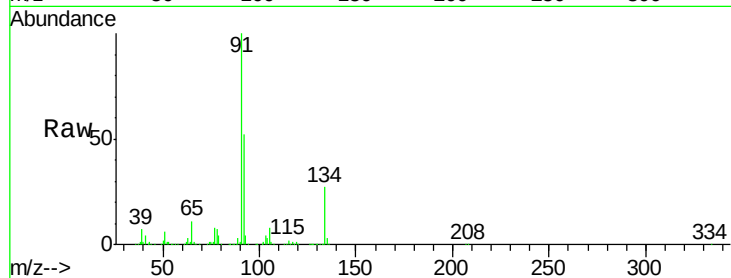
#89
n-Butylbenzene
Concen: 54.766 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.8	80.4
134	26.9	14.0	41.9

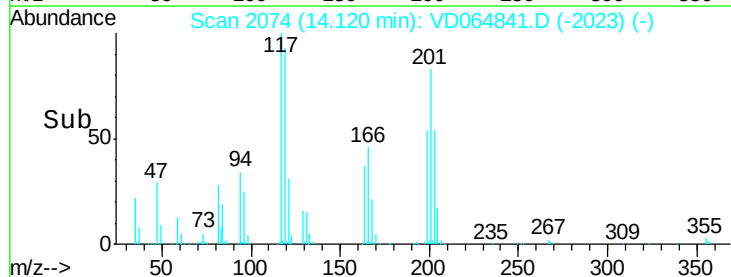
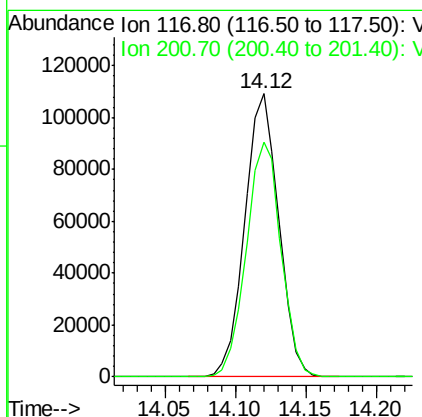
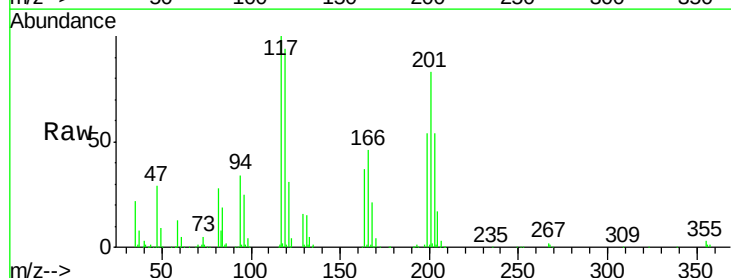
Manual Integrations
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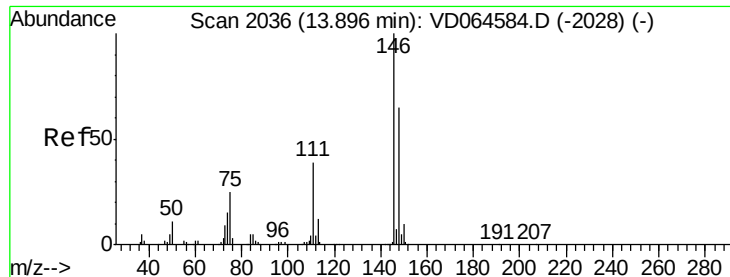
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#90
Hexachloroethane
Concen: 53.185 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.9	44.0	131.8





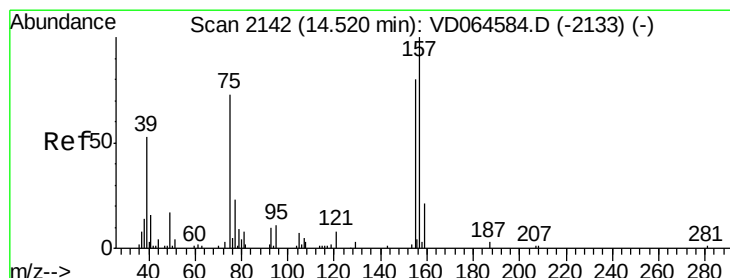
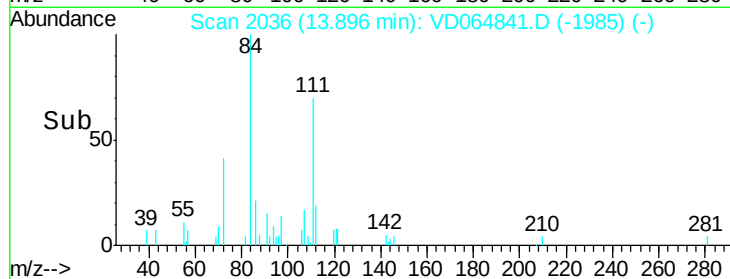
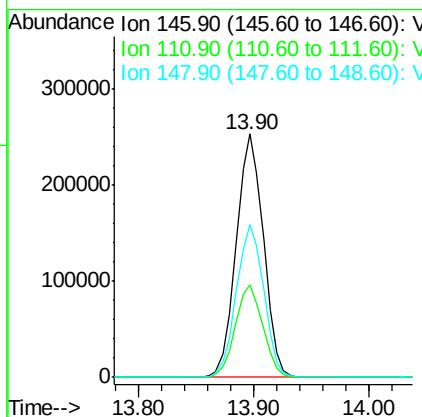
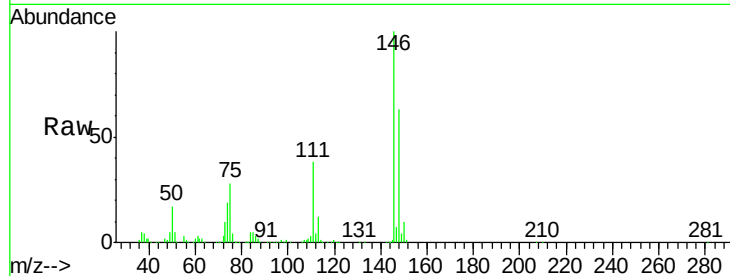
#91
 1,2-Dichlorobenzene
 Concen: 53.050 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.3	57.9
148	63.4	31.9	95.5

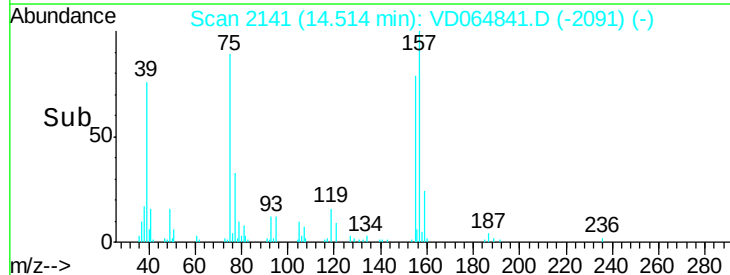
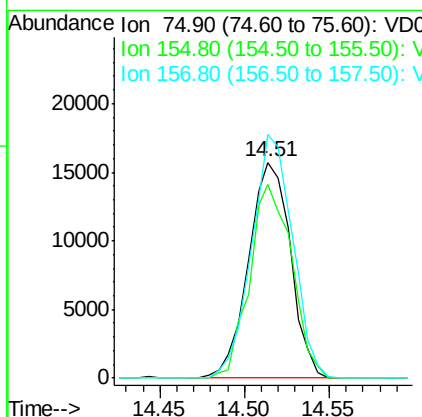
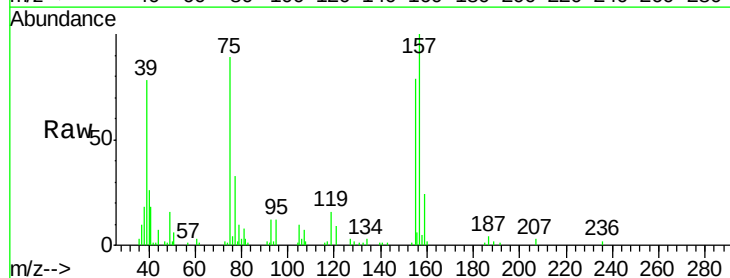
Manual Integrations
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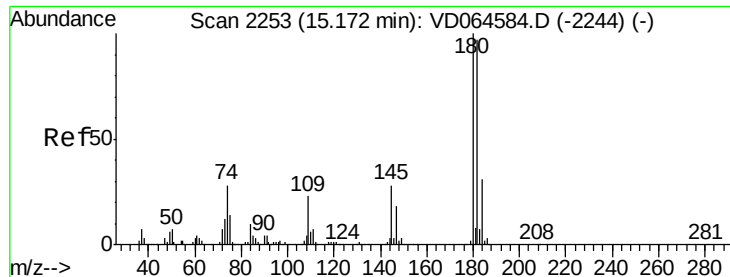
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.796 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.2	48.0	144.0
157	110.9	64.1	192.3





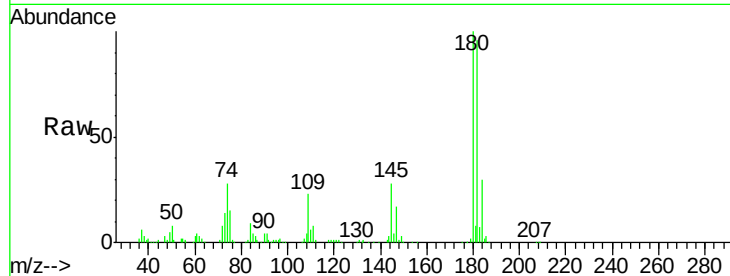
#93
 1,2,4-Trichlorobenzene
 Concen: 50.958 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

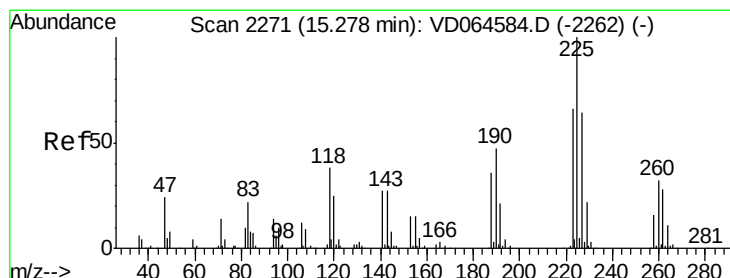
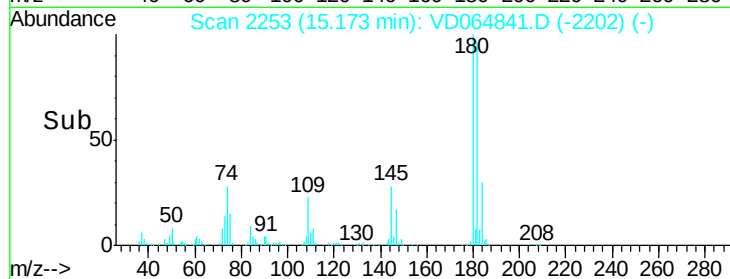
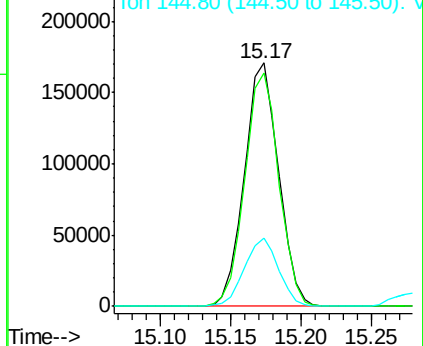
Tot Ion	Ratio	Resp	Lower	Upper
180	100	291060		
182	95.6	48.0	144.2	
145	27.9	13.8	41.4	

Manual Integrations
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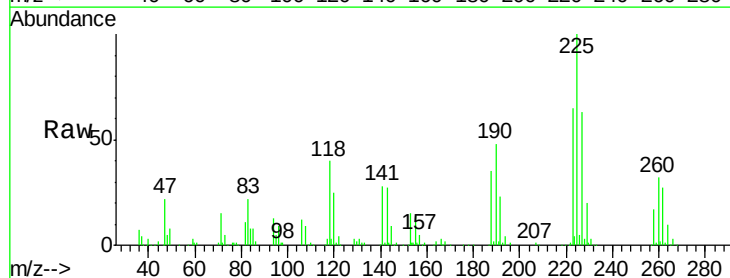


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

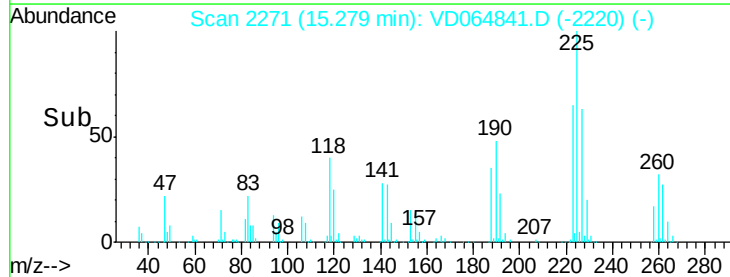
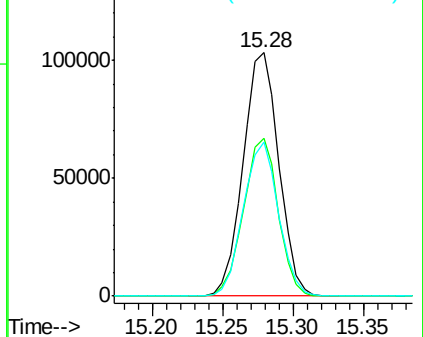


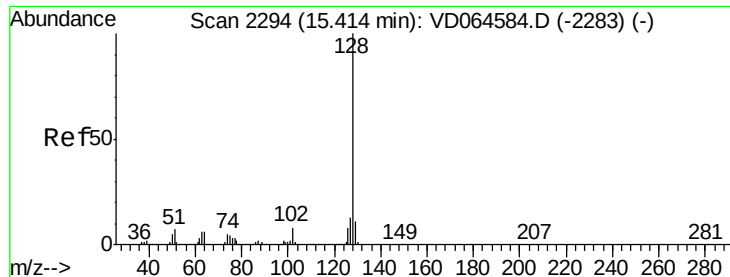
#94
 Hexachlorobutadiene
 Concen: 50.967 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064841.D
 Acq: 13 Jan 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	183187		
223	62.8	31.1	93.2	
227	62.4	30.9	92.7	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





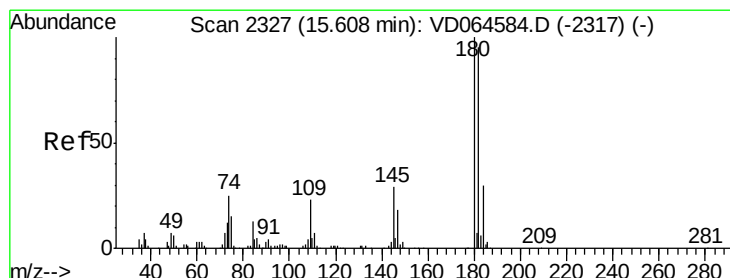
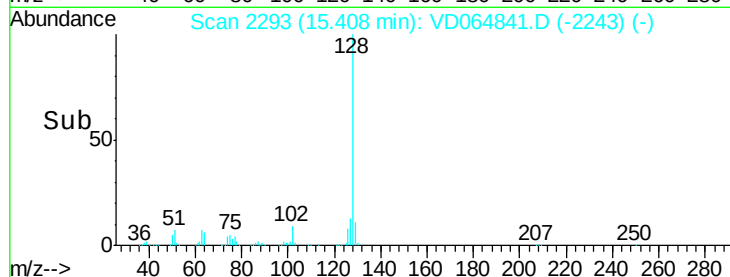
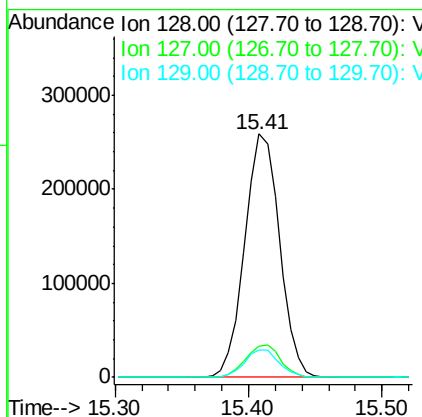
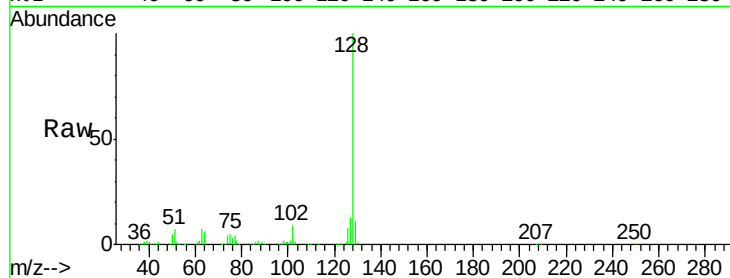
#95
Naphthalene
Concen: 51.715 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	11.2	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/14/2020 1:29:55 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.146 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064841.D
Acq: 13 Jan 2020 11:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.7
145	30.8	14.9	44.7

