

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013120\
 Data File : VD065042.D
 Acq On : 31 Jan 2020 19:10
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/3/2020 10:52:34 AM

Quant Time: Feb 03 00:56:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	425709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	638734	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	591265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	292230	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	220144	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
35) Dibromofluoromethane	7.92	113	211286	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
50) Toluene-d8	10.34	98	803140	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
62) 4-Bromofluorobenzene	12.64	95	254403	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	159176	49.632	ug/l	99
3) Chloromethane	2.21	50	234267	49.840	ug/l	97
4) Vinyl Chloride	2.35	62	264666	49.025	ug/l	99
5) Bromomethane	2.77	94	175635	48.364	ug/l	99
6) Chloroethane	2.93	64	174847	49.126	ug/l	98
7) Trichlorofluoromethane	3.27	101	403990	48.454	ug/l	98
8) Diethyl Ether	3.71	74	100828	53.569	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	198126	51.076	ug/l	98
10) Methyl Iodide	4.30	142	214673	52.137	ug/l	100
11) Tert butyl alcohol	5.25	59	58125	257.583	ug/l	99
12) 1,1-Dichloroethene	4.06	96	191311	51.626	ug/l	99
13) Acrolein	3.93	56	85016	300.534	ug/l	98
14) Allyl chloride	4.71	41	317966	53.799	ug/l	98
15) Acrylonitrile	5.43	53	228267	280.058	ug/l	99
16) Acetone	4.17	43	255995	267.764	ug/l	97
17) Carbon Disulfide	4.40	76	599511	49.157	ug/l	98
18) Methyl Acetate	4.73	43	105547	55.189	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	467668	56.482	ug/l	94
20) Methylene Chloride	4.96	84	228974	58.788	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	225190	52.745	ug/l	95
22) Diisopropyl ether	6.37	45	678387	57.594	ug/l	98
23) Vinyl Acetate	6.31	43	1906551	276.462	ug/l	98
24) 1,1-Dichloroethane	6.27	63	395267	54.656	ug/l	96
25) 2-Butanone	7.22	43	310562	281.508	ug/l	97
26) 2,2-Dichloropropane	7.21	77	339270	51.720	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	248660	54.567	ug/l	99
28) Bromochloromethane	7.55	49	166465	57.556	ug/l	99
29) Tetrahydrofuran	7.57	42	187370	275.268	ug/l	99
30) Chloroform	7.71	83	408347	54.623	ug/l	98
31) Cyclohexane	7.99	56	346250	48.670	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	366238	52.661	ug/l	100
36) 1,1-Dichloropropene	8.11	75	313971	50.976	ug/l	98
37) Ethyl Acetate	7.30	43	137032	53.863	ug/l	99
38) Carbon Tetrachloride	8.10	117	330650	50.791	ug/l	94

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MMDadoda
 2/3/2020 10:52:34 AM

Quant Time: Feb 03 00:56:20 2020
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	368537	51.180	ug/l	98
40) Benzene	8.36	78	895319	52.780	ug/l	99
41) Methacrylonitrile	7.53	41	75523	55.106	ug/l	88
42) 1,2-Dichloroethane	8.43	62	267136	52.866	ug/l	99
43) Isopropyl Acetate	8.46	43	262426	54.303	ug/l	99
44) Trichloroethene	9.11	130	246632	51.950	ug/l	98
45) 1,2-Dichloropropane	9.39	63	222355	54.071	ug/l	97
46) Dibromomethane	9.48	93	121292	54.024	ug/l	98
47) Bromodichloromethane	9.67	83	320473	54.856	ug/l	99
48) Methyl methacrylate	9.46	41	124652	56.051	ug/l	98
49) 1,4-Dioxane	9.47	88	27377	1051.396	ug/l	92
51) 4-Methyl-2-Pentanone	10.24	43	673314	278.452	ug/l	99
52) Toluene	10.41	92	576385	52.702	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	299847	53.882	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	360075	55.265	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	162650	53.783	ug/l	98
56) Ethyl methacrylate	10.67	69	209132	57.828	ug/l	100
57) 1,3-Dichloropropane	10.95	76	279471	53.879	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	311289	259.093	ug/l	100
59) 2-Hexanone	10.99	43	486436	291.644	ug/l	99
60) Dibromochloromethane	11.14	129	221711	54.851	ug/l	99
61) 1,2-Dibromoethane	11.25	107	157693	54.153	ug/l	97
64) Tetrachloroethene	10.88	164	243637	57.022	ug/l	99
65) Chlorobenzene	11.67	112	610161	50.826	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	236993	52.492	ug/l	99
67) Ethyl Benzene	11.75	91	1114227	52.280	ug/l	99
68) m/p-Xylenes	11.86	106	867989	105.777	ug/l	99
69) o-Xylene	12.18	106	388301	53.318	ug/l	100
70) Styrene	12.20	104	709201	54.666	ug/l	100
71) Bromoform	12.37	173	128890	51.357	ug/l #	99
73) Isopropylbenzene	12.48	105	1048410	52.490	ug/l	99
74) N-amyl acetate	12.30	43	240136	53.728	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	171685	51.143	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	122074m	50.329	ug/l	
77) Bromobenzene	12.77	156	255350	52.250	ug/l	99
78) n-propylbenzene	12.83	91	1235134	51.998	ug/l	99
79) 2-Chlorotoluene	12.91	91	680459	52.219	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	874093	53.402	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	56276	49.541	ug/l	96
82) 4-Chlorotoluene	13.01	91	717115	51.892	ug/l	99
83) tert-Butylbenzene	13.23	119	720435	51.865	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	881051	53.135	ug/l	99
85) sec-Butylbenzene	13.41	105	1025461	52.139	ug/l	99
86) p-Isopropyltoluene	13.53	119	969128	52.658	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	486080	51.839	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	473590	50.888	ug/l	100
89) n-Butylbenzene	13.86	91	883317	52.592	ug/l	99
90) Hexachloroethane	14.13	117	182085	51.304	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	411615	51.707	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28937	53.864	ug/l	94

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ALS Vial : 20 Sample Multiplier: 1

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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	288273	52.344	ug/l	99
94) Hexachlorobutadiene	15.28	225	175589	50.407	ug/l	97
95) Naphthalene	15.41	128	487916	54.896	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	250687	52.499	ug/l	98

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

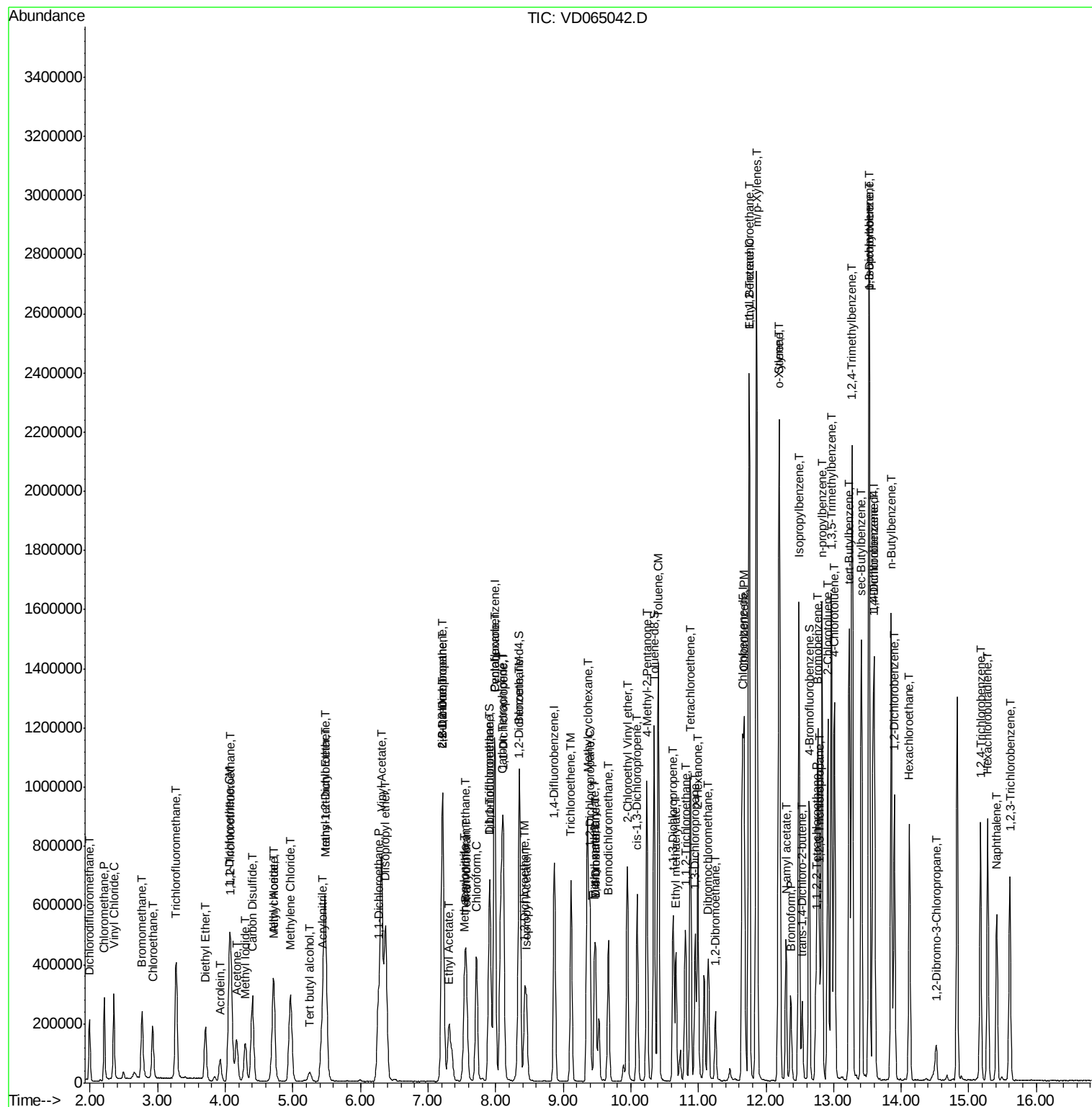
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 Operator : VA/SY
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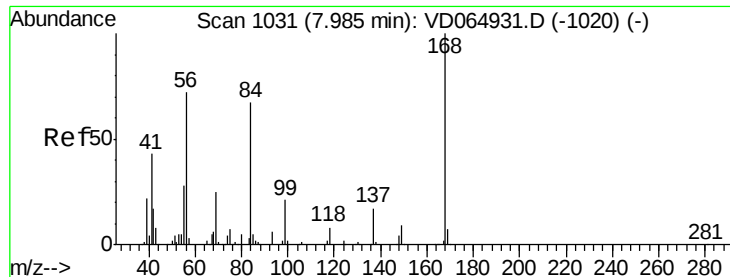
Instrument :
 MSVOA_D
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 425709

Ion Ratio Lower Upper

168 100

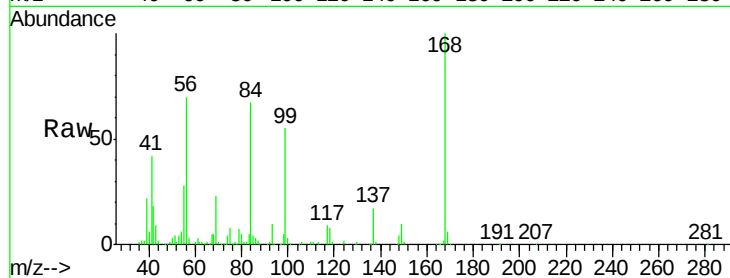
99 55.0 43.3 64.9

Manual Integrations

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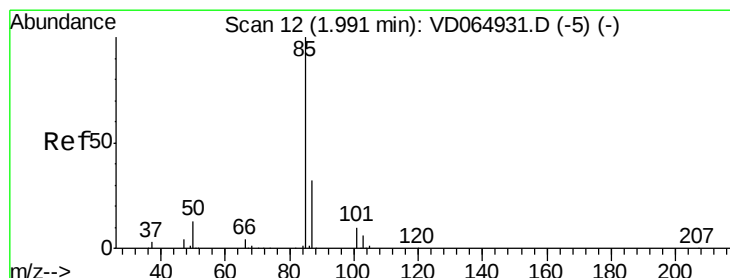
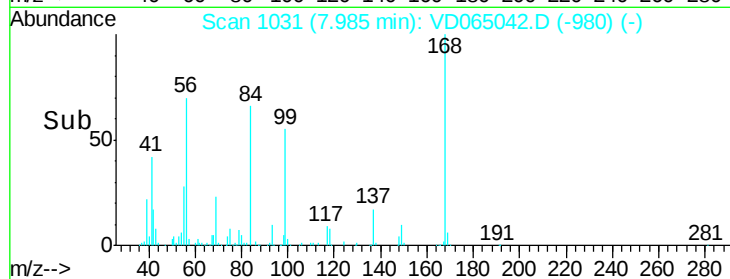
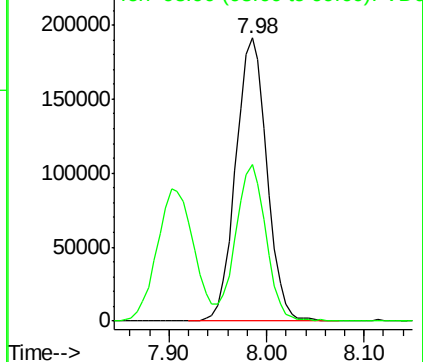
MMDadoda

2/3/2020 10:52:34 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 49.632 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065042.D

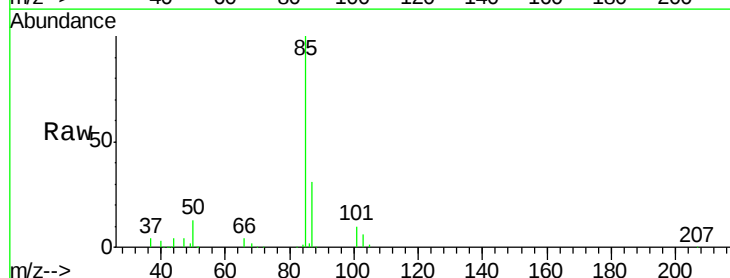
Acq: 31 Jan 2020 19:10

Tgt Ion: 85 Resp: 159176

Ion Ratio Lower Upper

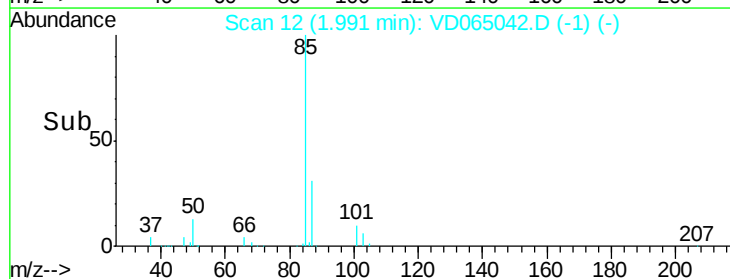
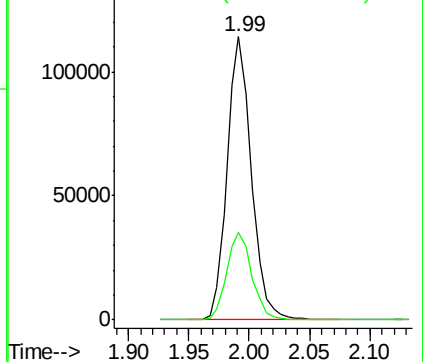
85 100

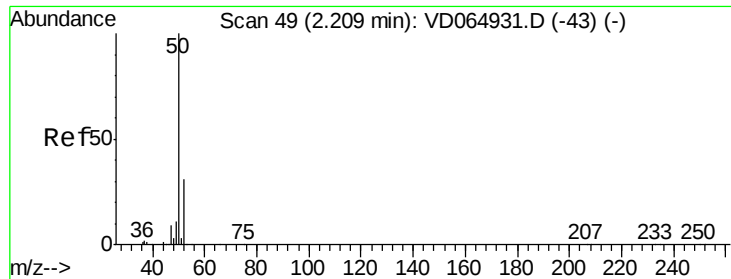
87 31.1 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.840 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 234267

Ion Ratio Lower Upper

50 100

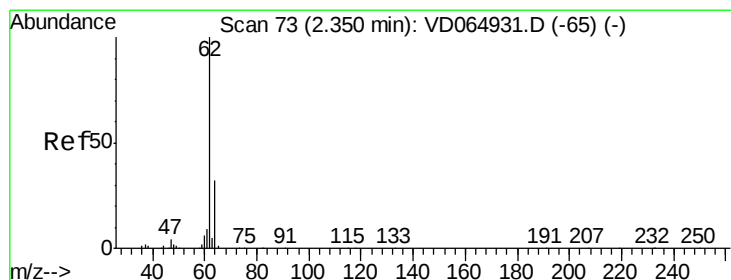
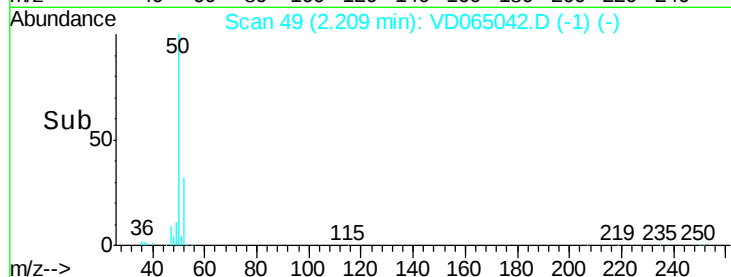
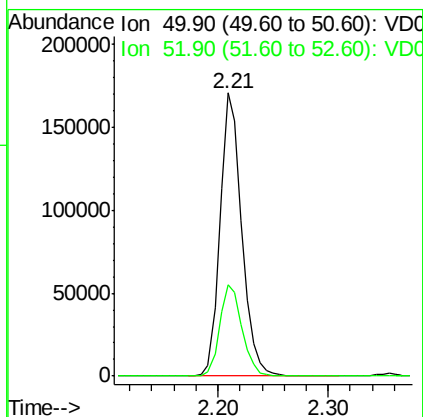
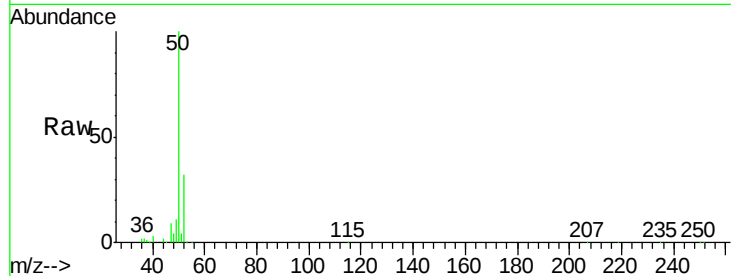
52 32.1 24.6 36.8

Manual Integrations

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2/3/2020 10:52:34 AM



#4

Vinyl Chloride

Concen: 49.025 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065042.D

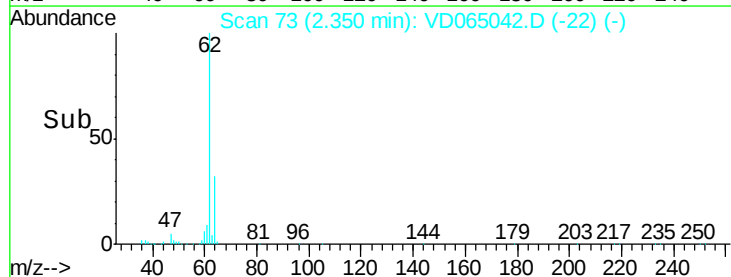
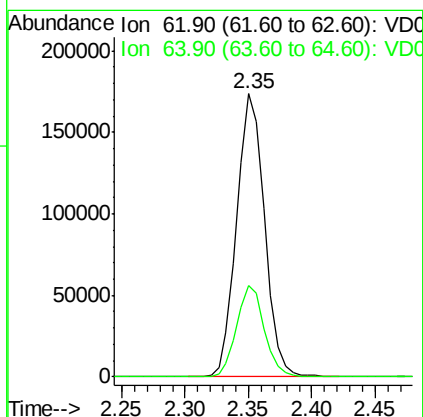
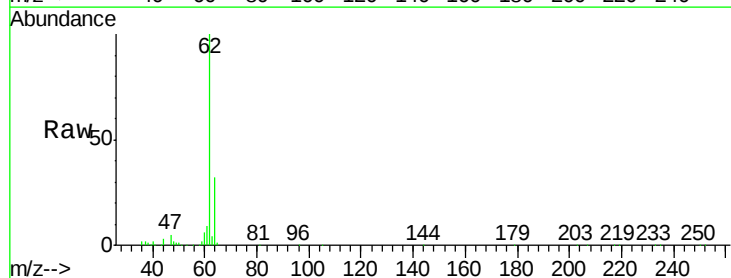
Acq: 31 Jan 2020 19:10

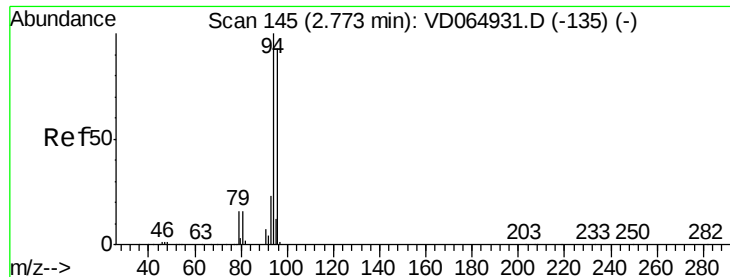
Tgt Ion: 62 Resp: 264666

Ion Ratio Lower Upper

62 100

64 32.4 25.6 38.4





#5

Bromomethane

Concen: 48.364 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 175635

Ion Ratio Lower Upper

94 100

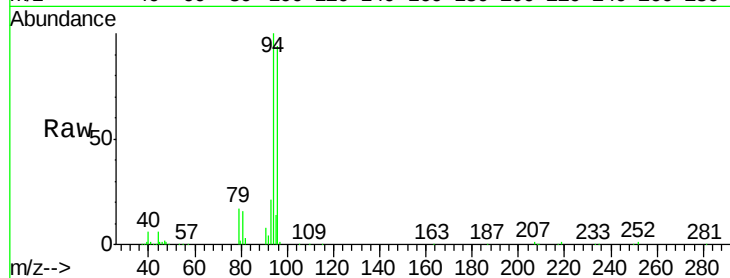
96 93.9 74.6 111.8

Manual Integrations

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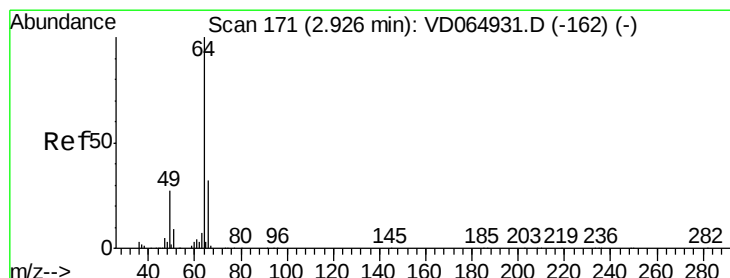
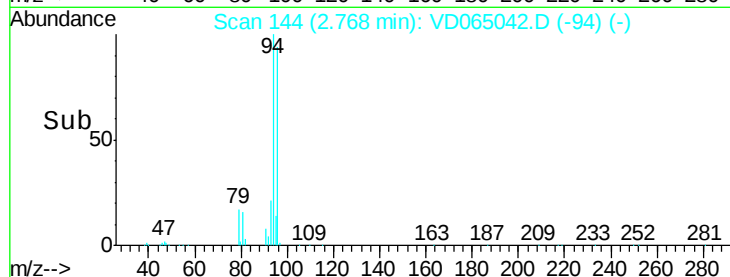
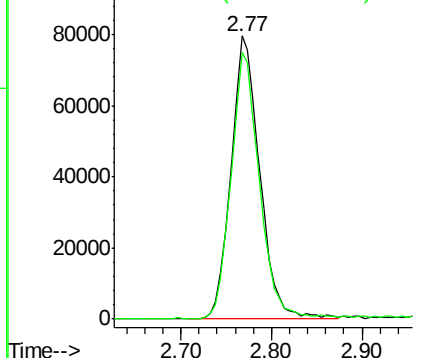
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2/3/2020 10:52:34 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.126 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065042.D

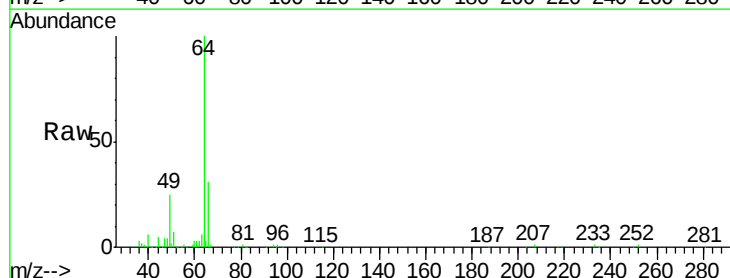
Acq: 31 Jan 2020 19:10

Tgt Ion: 64 Resp: 174847

Ion Ratio Lower Upper

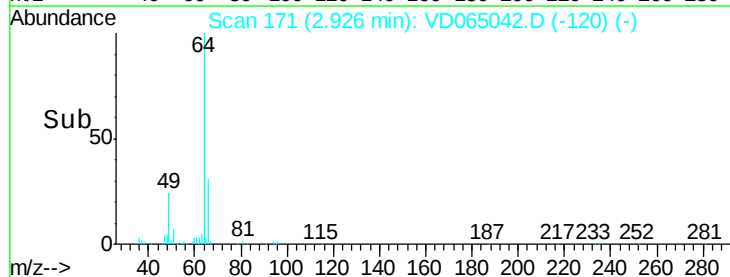
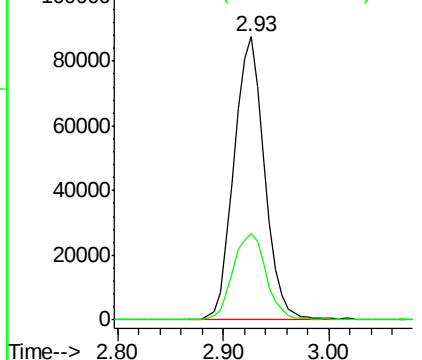
64 100

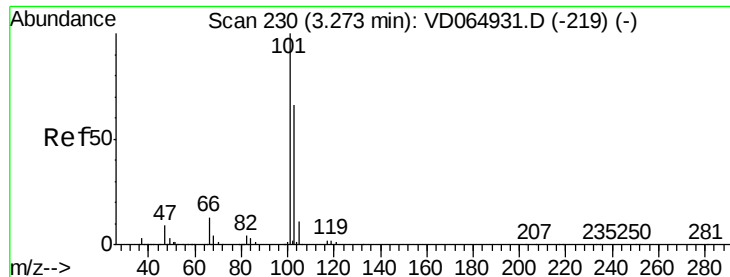
66 30.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

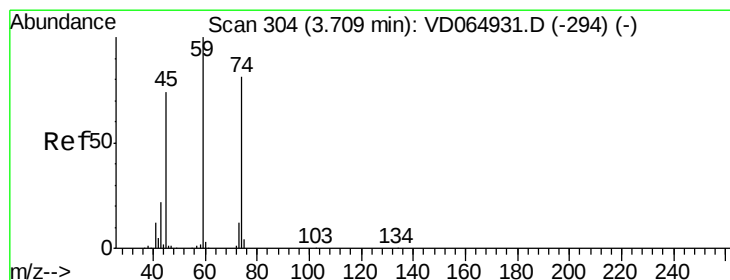
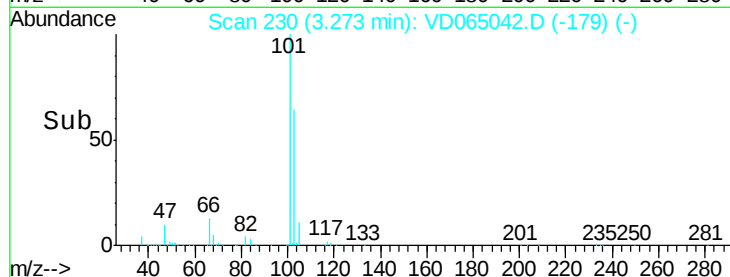
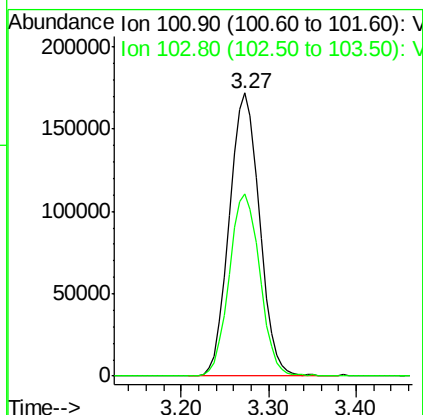
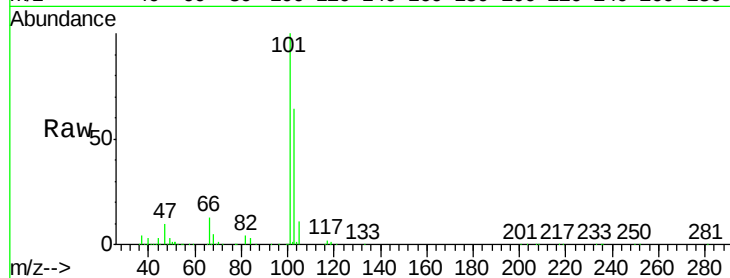
Trichlorofluoromethane
Concen: 48.454 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.5	78.7

Manual Integrations
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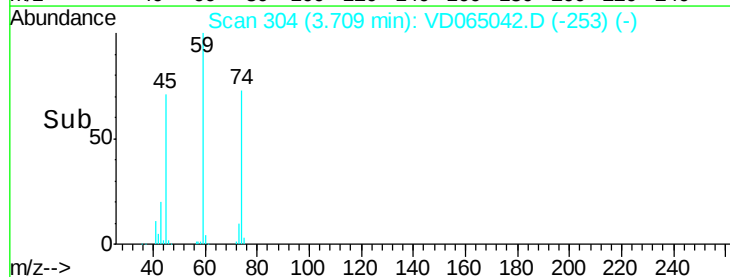
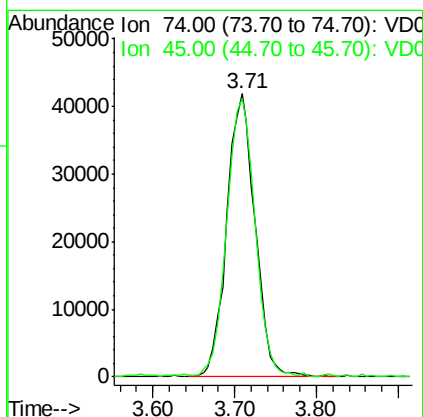
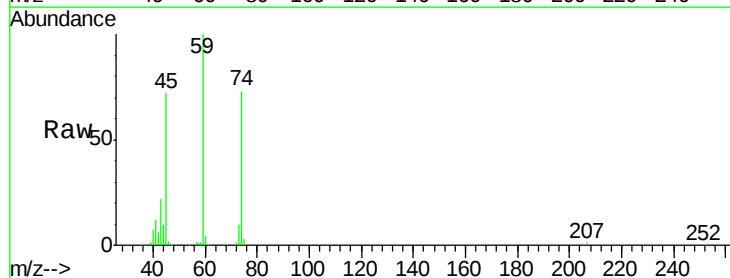
MMDadoda
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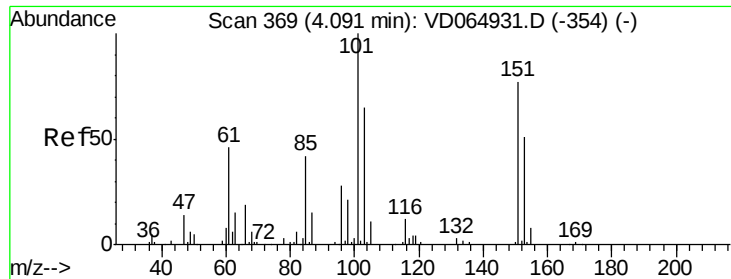


#8

Diethyl Ether
Concen: 53.569 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.9	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.076 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

Instrument :

MSVOA_D

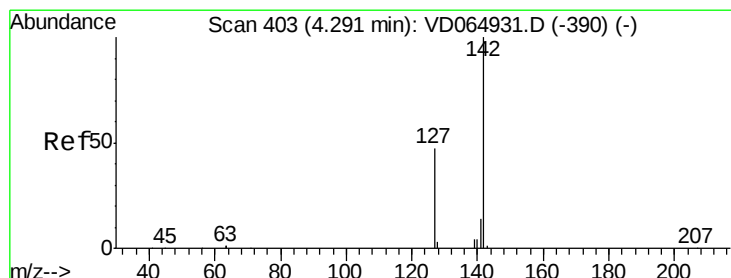
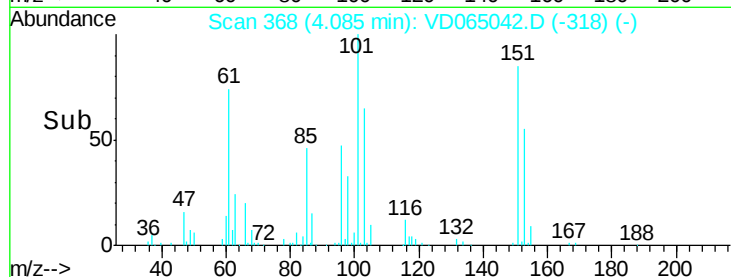
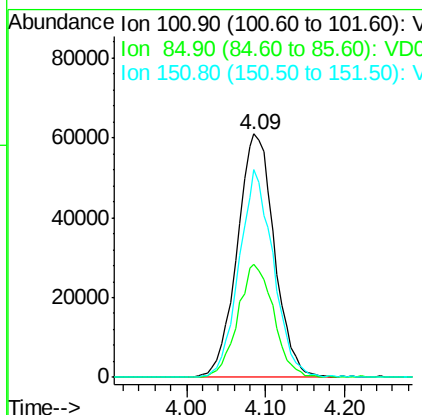
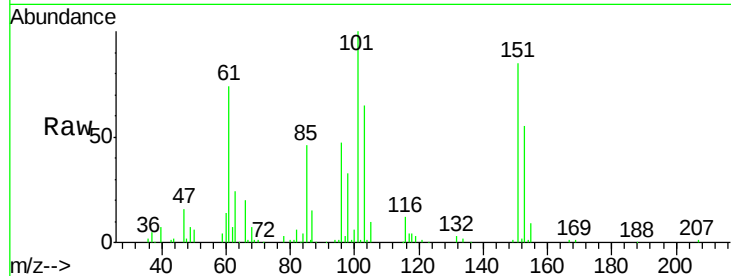
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	198126
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.0	52.4
151	78.9	64.6	96.8

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#10

Methyl Iodide

Concen: 52.137 ug/l

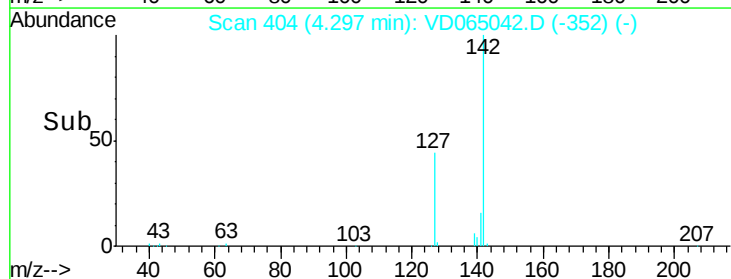
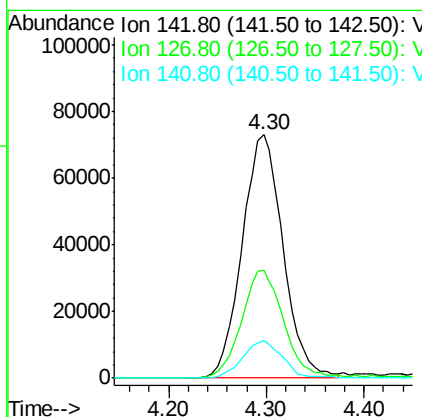
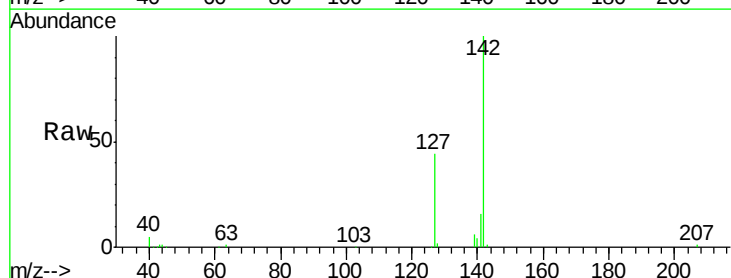
RT: 4.30 min Scan# 404

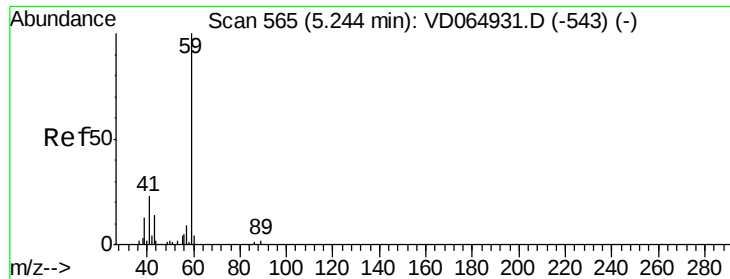
Delta R.T. 0.01 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

Tgt Ion:	142	Resp:	214673
Ion Ratio	Lower	Upper	
142	100		
127	45.4	36.2	54.2
141	15.0	11.6	17.4





#11

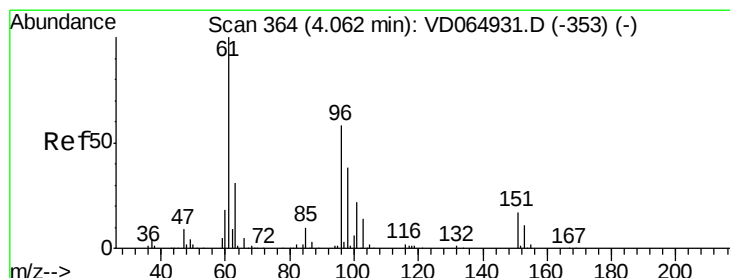
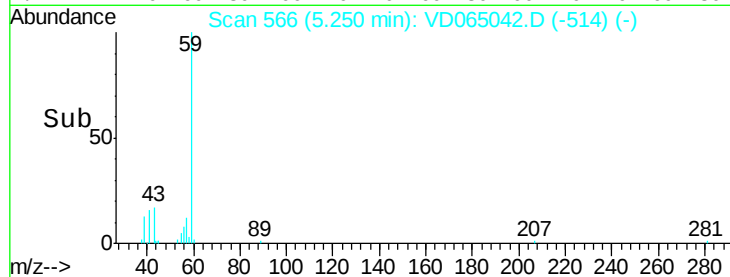
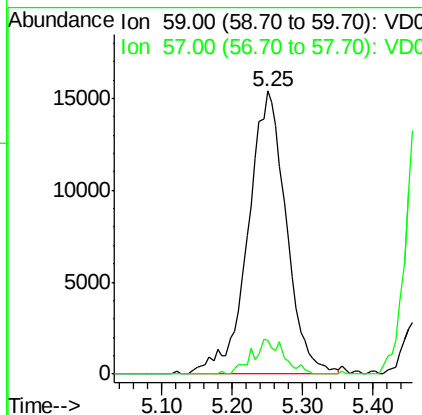
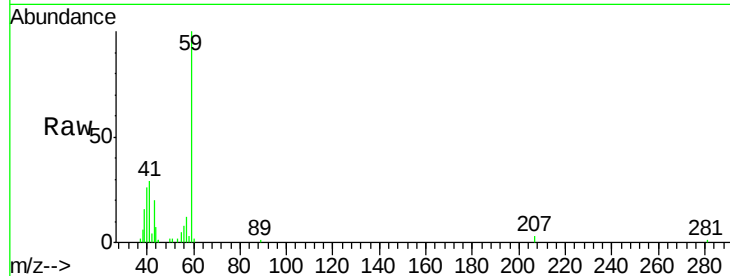
Tert butyl alcohol
 Concen: 257.583 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD065042.D
 Acq: 31 Jan 2020 19:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.7	11.5

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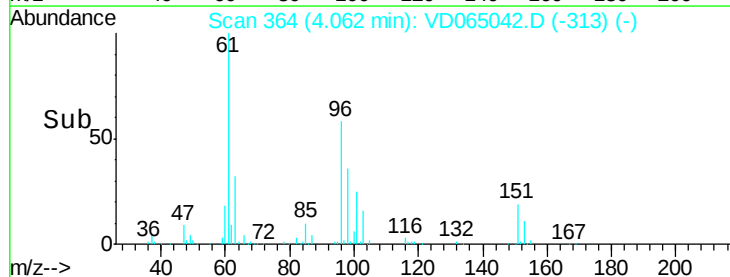
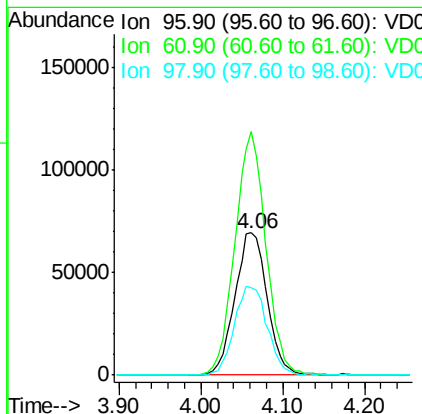
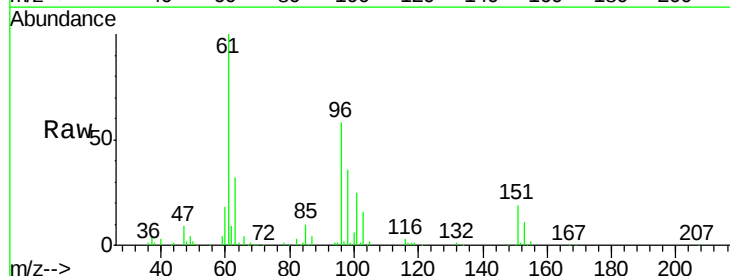
MMDadoda
 2/3/2020 10:52:34 AM

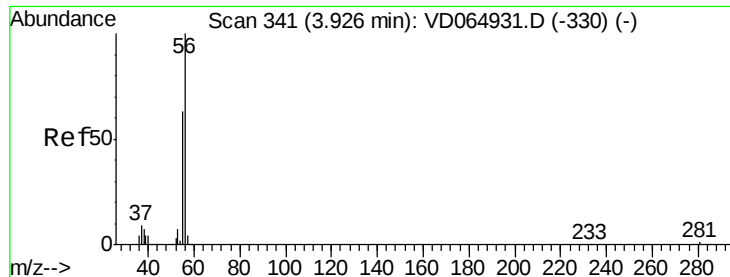


#12

1,1-Dichloroethene
 Concen: 51.626 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065042.D
 Acq: 31 Jan 2020 19:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.1	137.0	205.4
98	61.9	52.1	78.1





#13

Acrolein

Concen: 300.534 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 85016

Ion Ratio Lower Upper

56 100

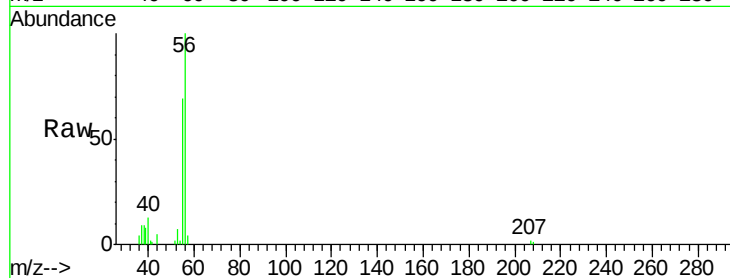
55 73.1 59.7 89.5

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

40000

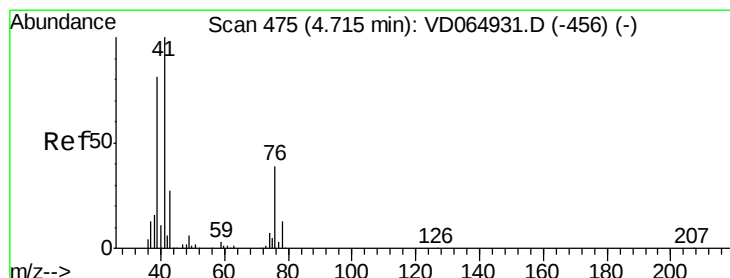
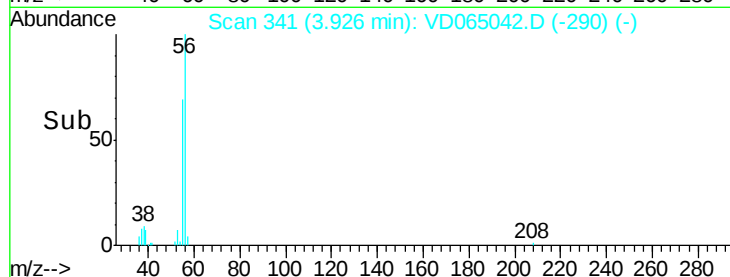
30000

20000

10000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 53.799 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

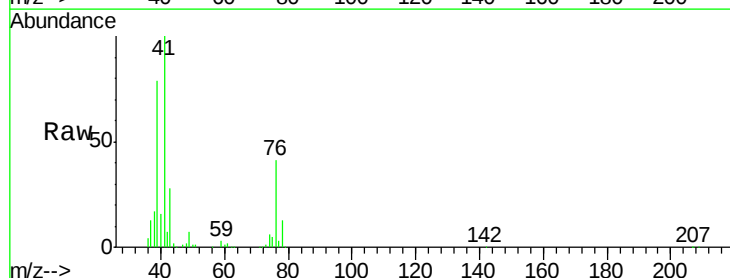
Tgt Ion: 41 Resp: 317966

Ion Ratio Lower Upper

41 100

39 75.4 62.0 93.0

76 36.6 29.3 43.9



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

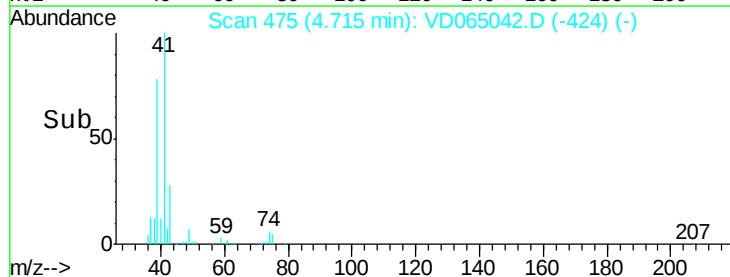
4.71

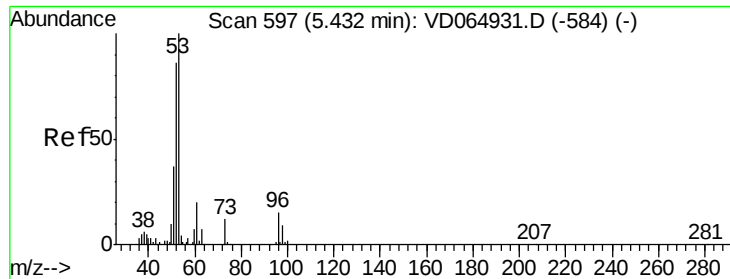
100000

50000

0

Time--> 4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 280.058 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

Instrument :

MSVOA_D

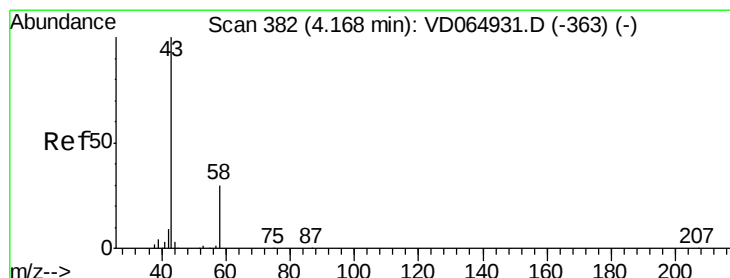
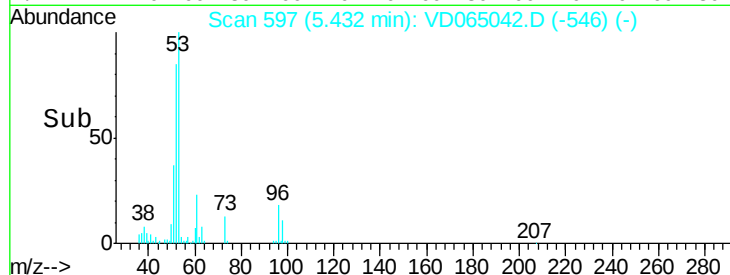
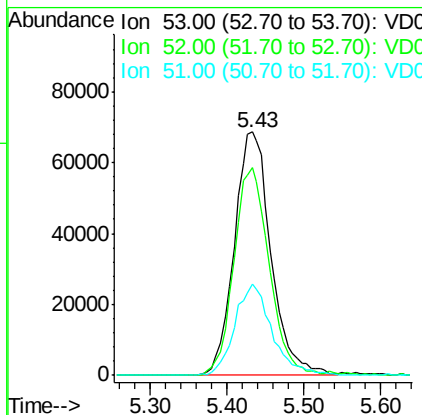
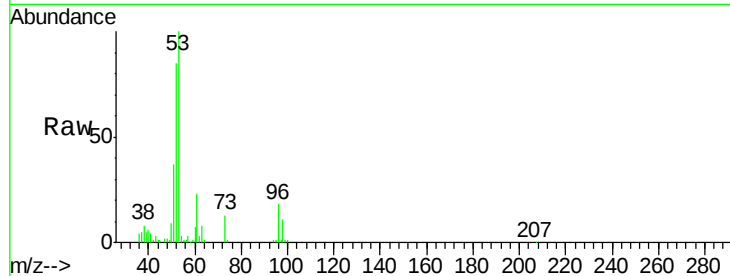
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	228267
Ion Ratio	Lower	Upper	
53	100		
52	82.2	66.7	100.1
51	38.1	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 267.764 ug/l

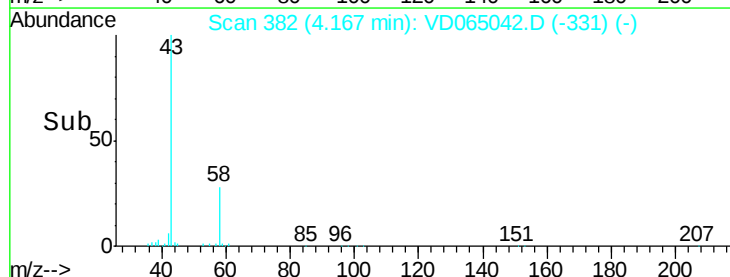
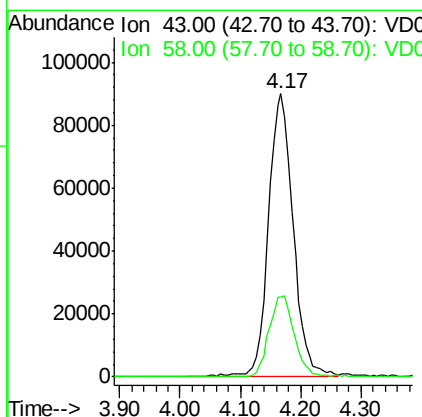
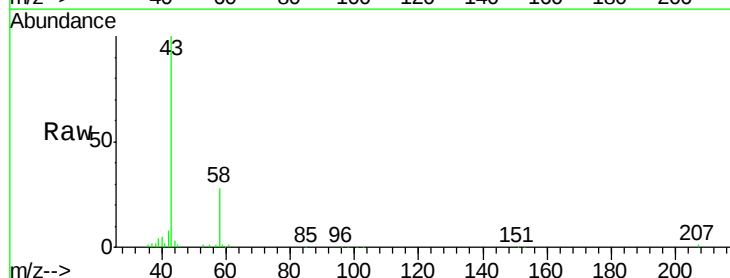
RT: 4.17 min Scan# 382

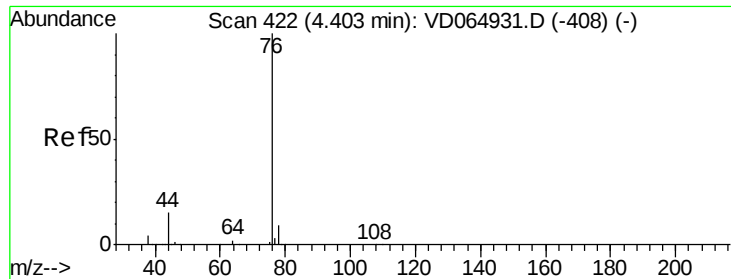
Delta R.T. 0.00 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

Tgt Ion:	43	Resp:	255995
Ion Ratio	Lower	Upper	
43	100		
58	28.0	23.8	35.8





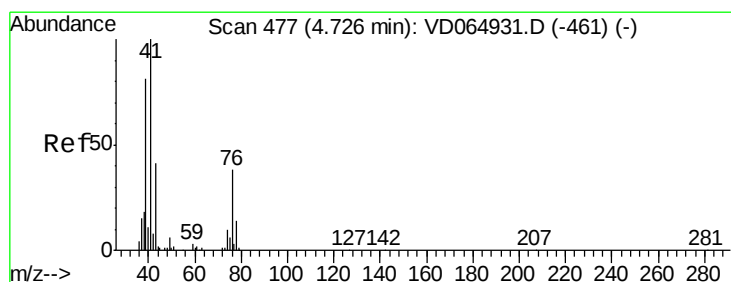
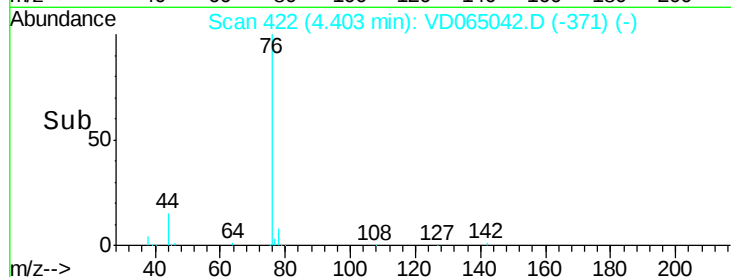
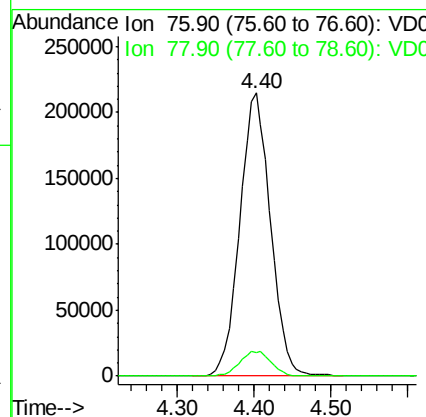
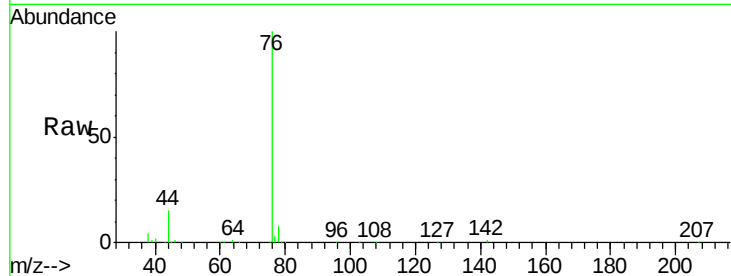
#17
Carbon Disulfide
Concen: 49.157 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.1	10.7

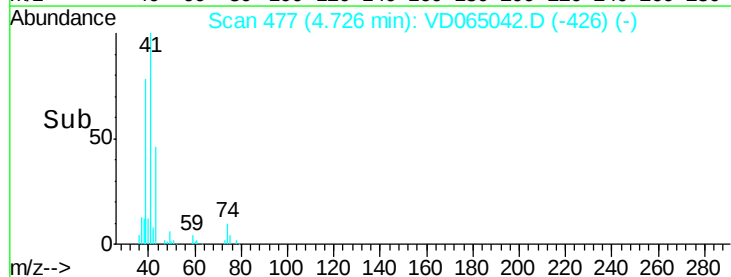
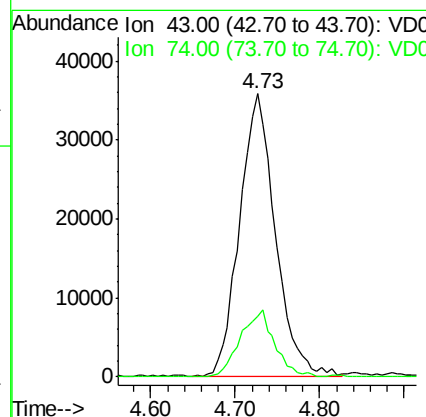
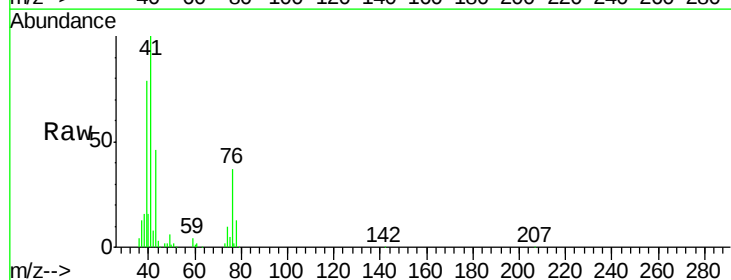
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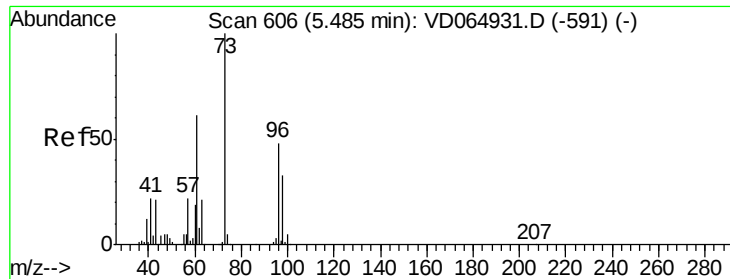
MMDadoda
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#18
Methyl Acetate
Concen: 55.189 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	19.1	28.7





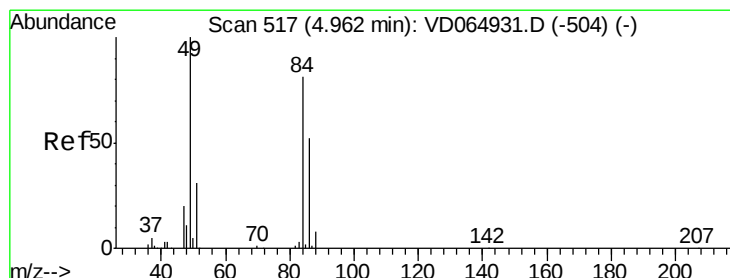
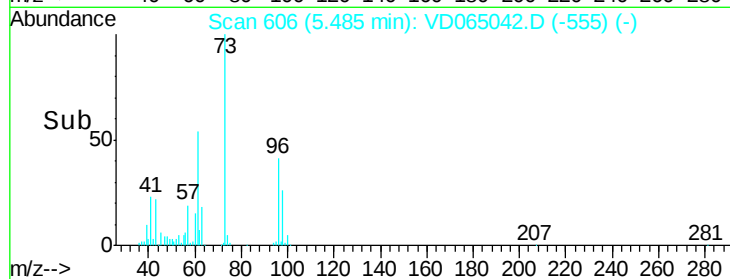
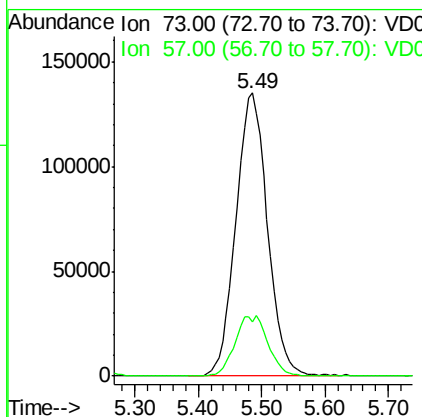
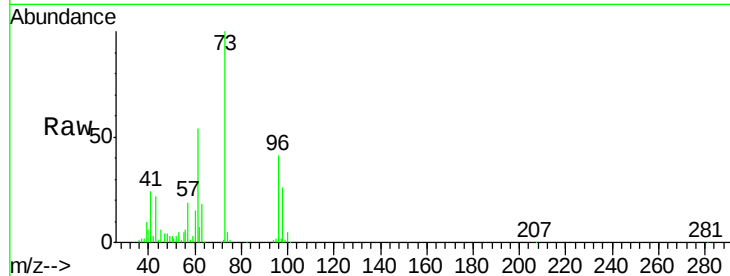
#19
Methvl tert-butvl Ether
Concen: 56.482 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.3	17.9	26.9

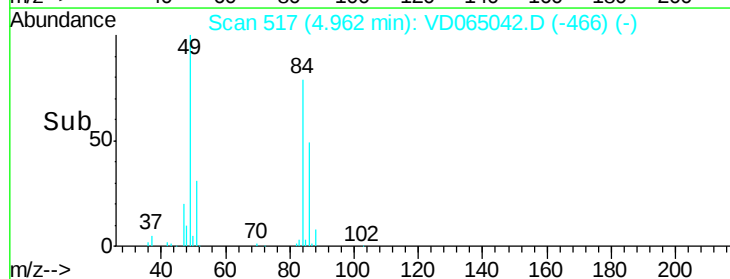
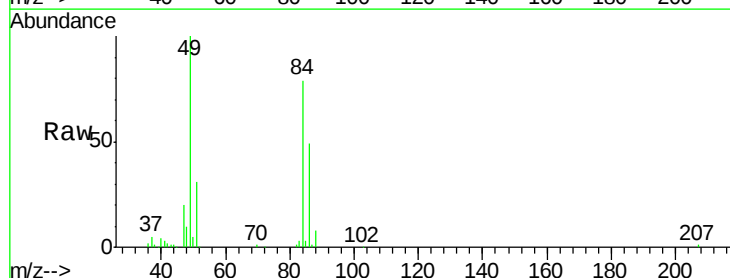
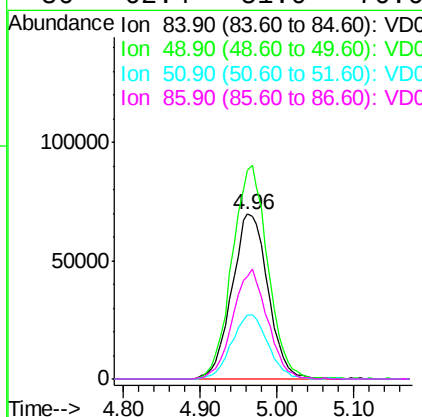
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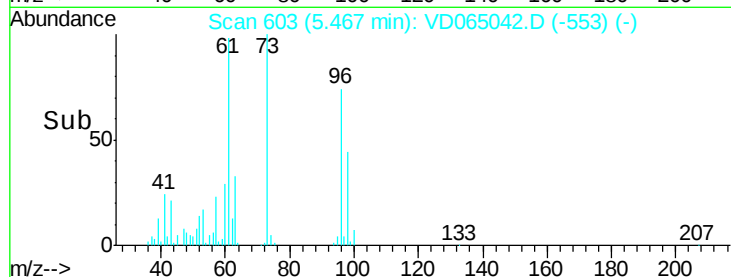
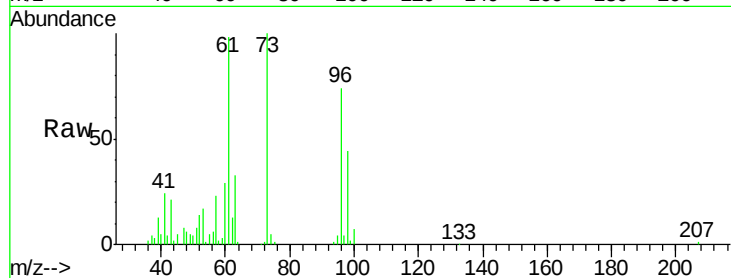
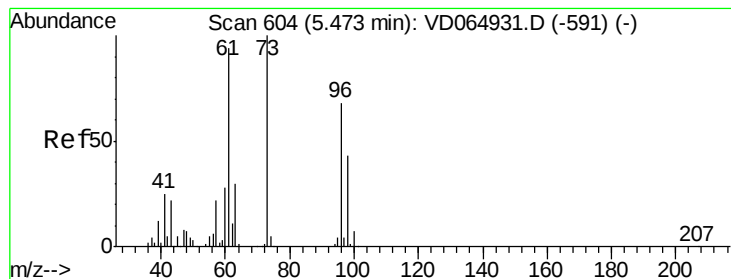
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#20
Methylene Chloride
Concen: 58.788 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.1	98.4	147.6
51	39.1	30.8	46.2
86	62.4	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 52.745 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065042.D

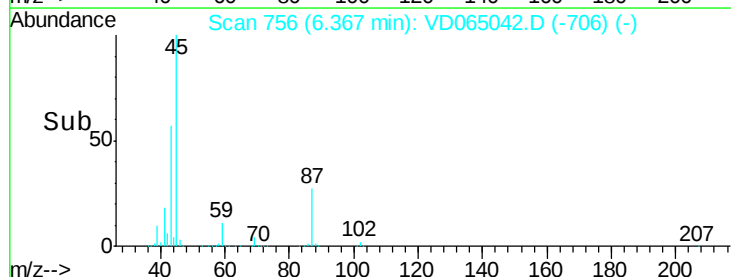
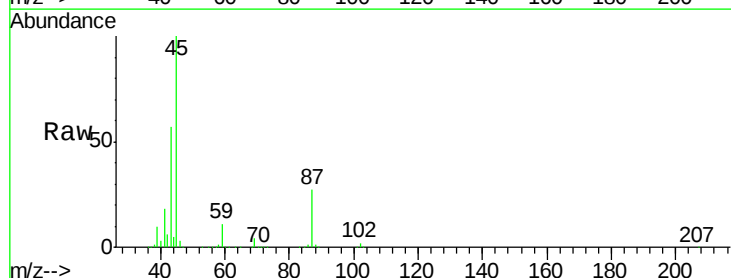
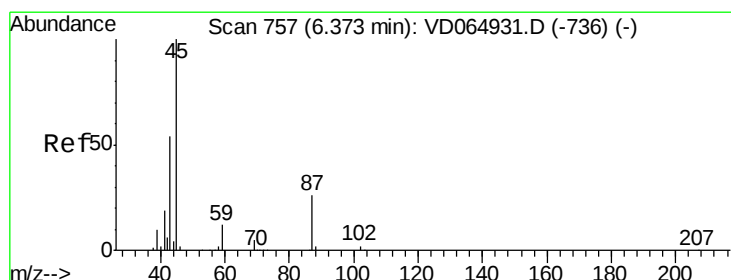
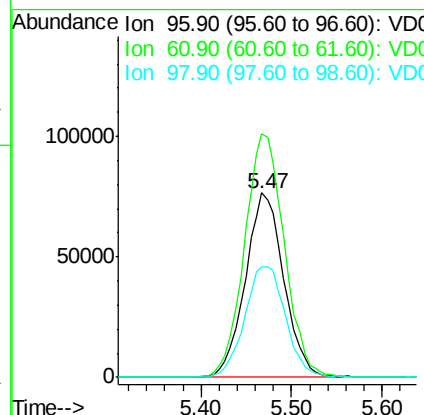
Acq: 31 Jan 2020 19:10

Tot Ion:	96	Resp:	225190
Ion Ratio	Lower	Upper	
96	100		
61	132.1	110.4	165.6
98	59.9	50.5	75.7

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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#22

Diisopropyl ether

Concen: 57.594 ug/l

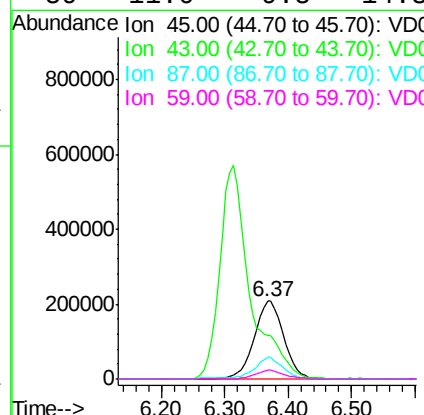
RT: 6.37 min Scan# 756

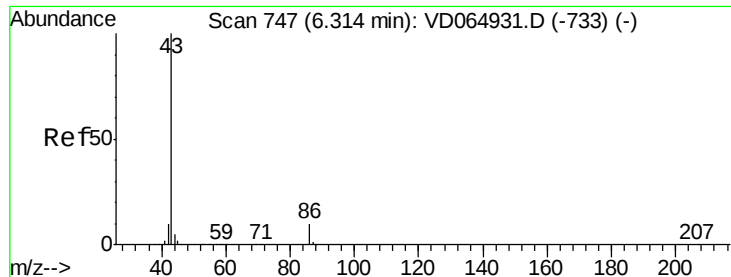
Delta R.T. -0.01 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

Tgt Ion:	45	Resp:	678387
Ion Ratio	Lower	Upper	
45	100		
43	56.0	43.1	64.7
87	27.1	21.4	32.2
59	11.0	9.5	14.3





#23

Vinyl Acetate

Concen: 276.462 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1906551

Ion Ratio Lower Upper

43 100

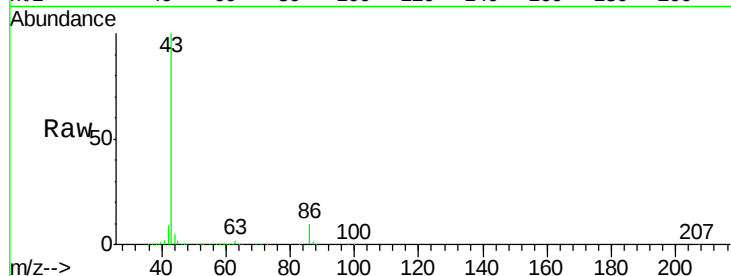
86 9.8 8.3 12.5

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

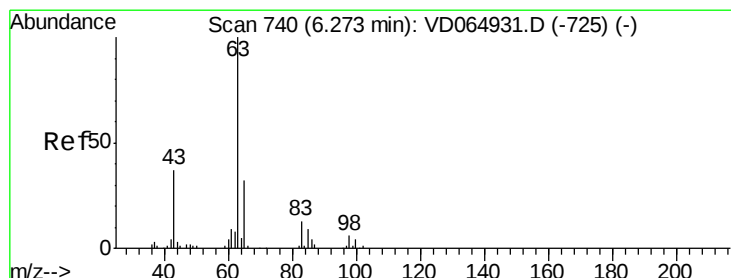
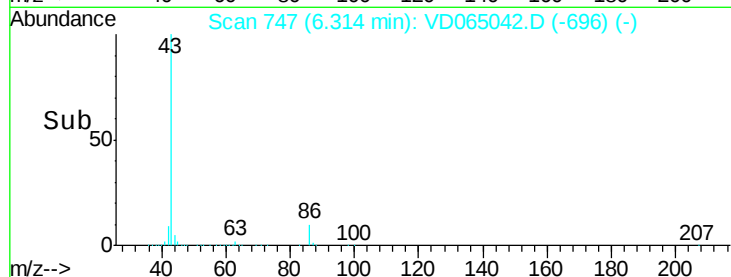
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 54.656 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

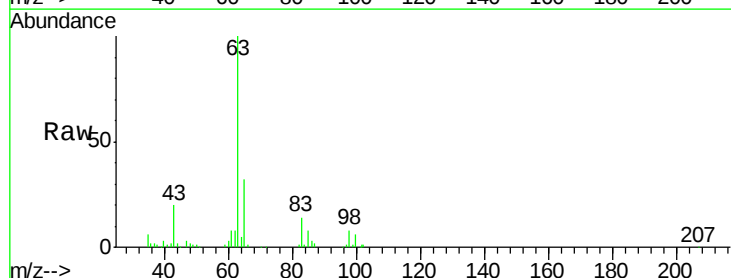
Tgt Ion: 63 Resp: 395267

Ion Ratio Lower Upper

63 100

98 7.8 3.1 9.3

100 5.9 2.3 6.8



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

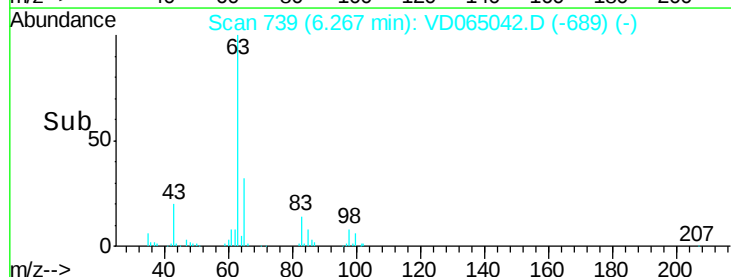
150000

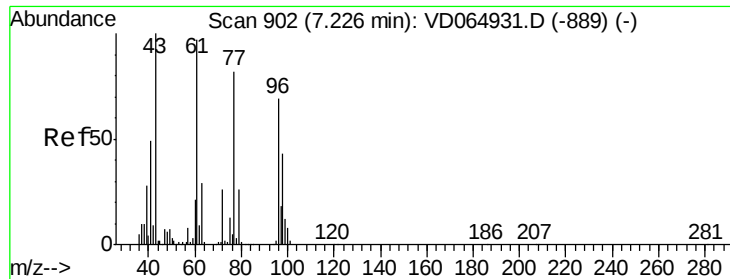
100000

50000

0

Time-->





#25

2-Butanone

Concen: 281.508 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 310562

Ion Ratio Lower Upper

43 100

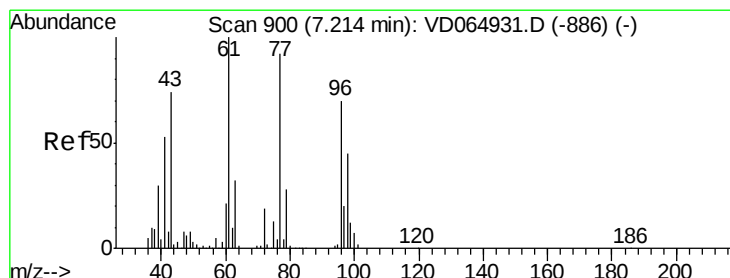
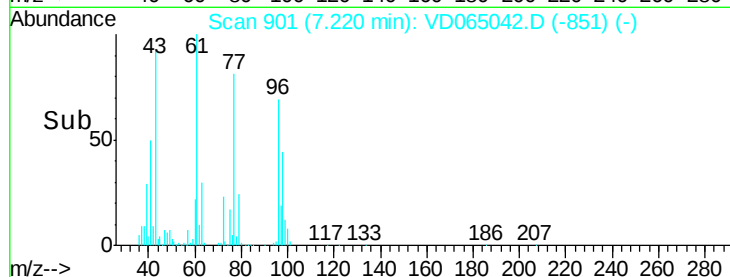
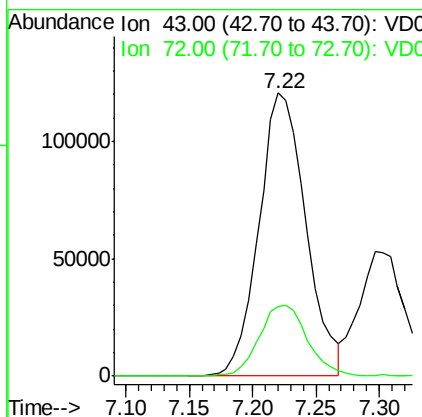
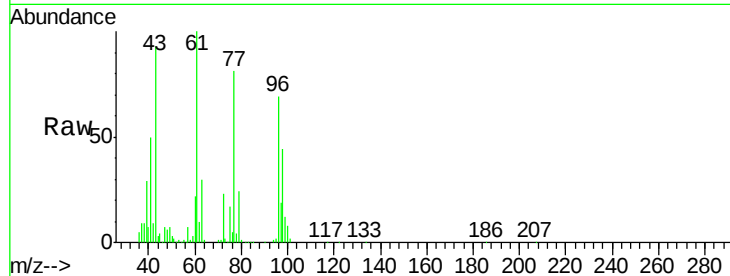
72 24.4 20.6 31.0

Manual Integrations

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MMDadoda

2/3/2020 10:52:34 AM



#26

2,2-Dichloropropane

Concen: 51.720 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065042.D

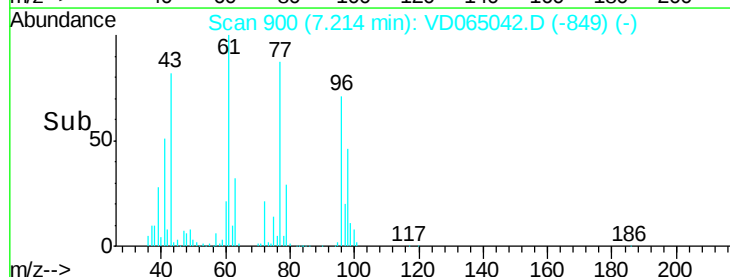
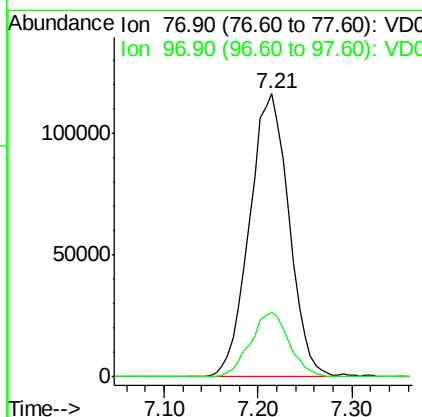
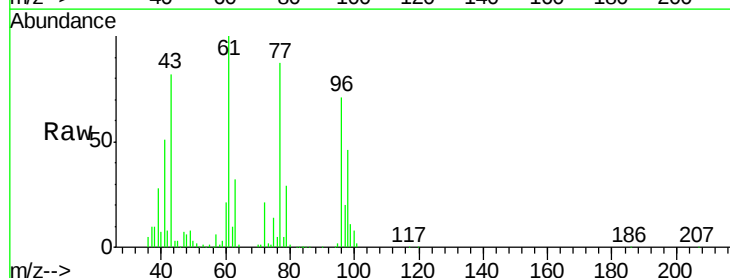
Acq: 31 Jan 2020 19:10

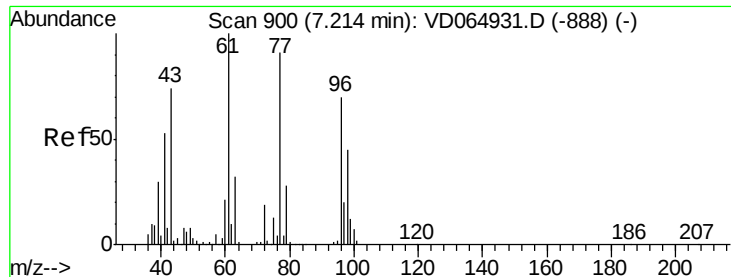
Tgt Ion: 77 Resp: 339270

Ion Ratio Lower Upper

77 100

97 22.5 11.4 34.2





#27

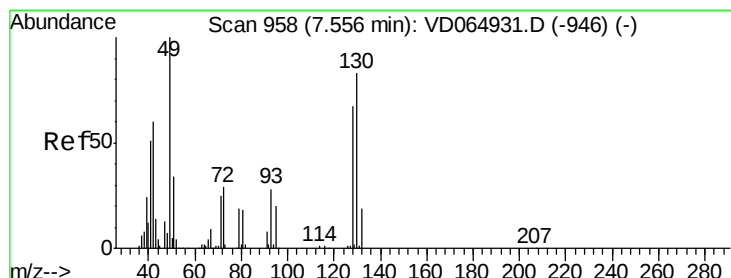
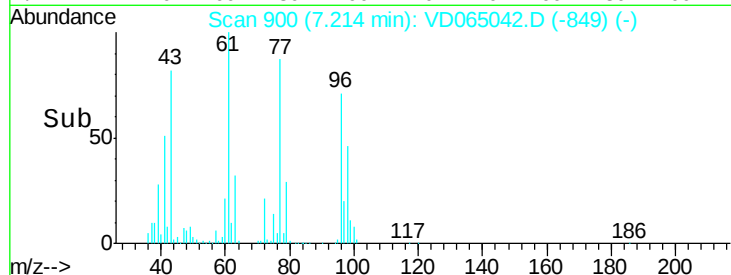
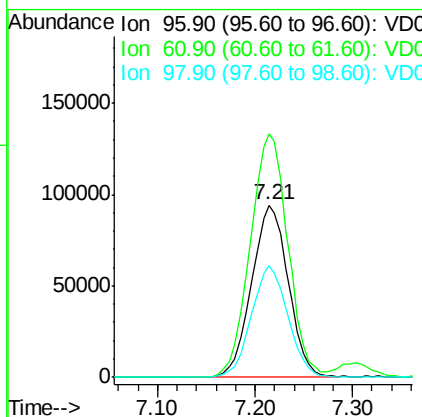
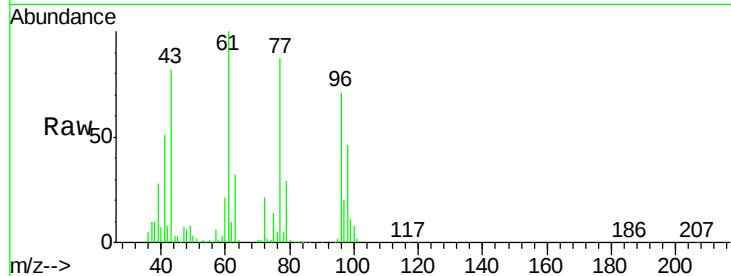
cis-1,2-Dichloroethene
 Concen: 54.567 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065042.D
 Acq: 31 Jan 2020 19:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	248660		
61	144.6	0.0	292.8	
98	64.4	0.0	130.0	

Manual Integrations
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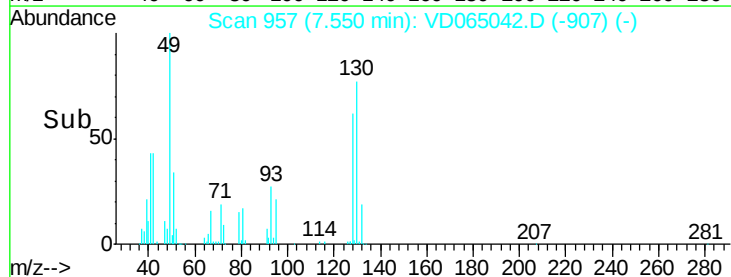
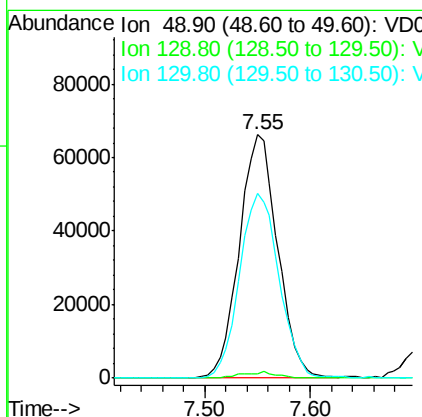
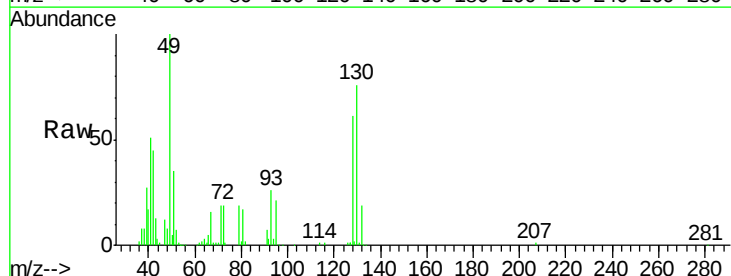
MMDadoda
 2/3/2020 10:52:34 AM

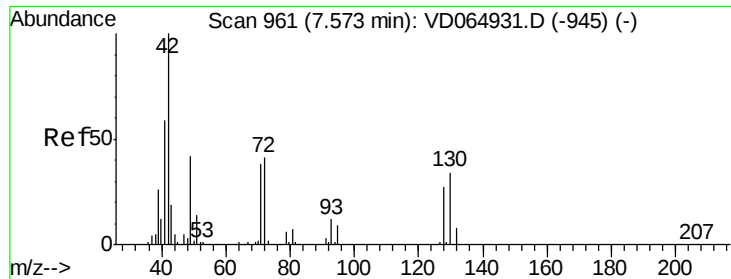


#28

Bromochloromethane
 Concen: 57.556 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD065042.D
 Acq: 31 Jan 2020 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	166465		
129	2.4	0.0	4.4	
130	78.6	63.8	95.8	





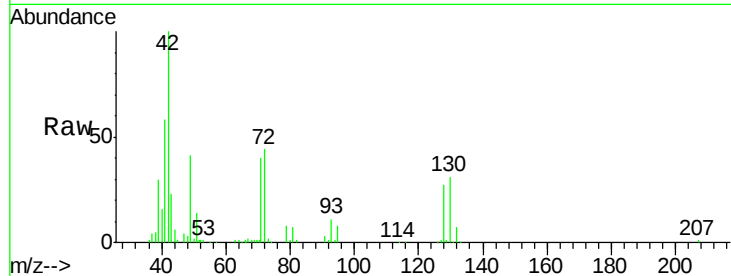
#29
Tetrahydrofuran
Concen: 275.268 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

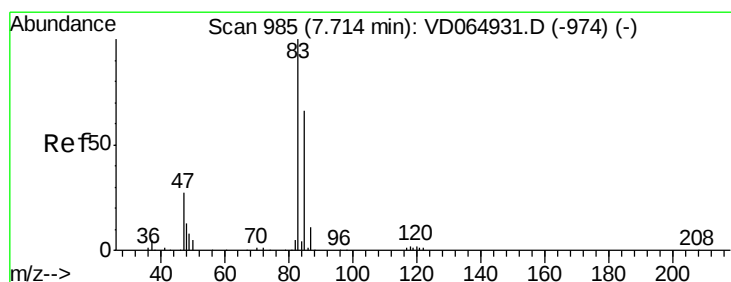
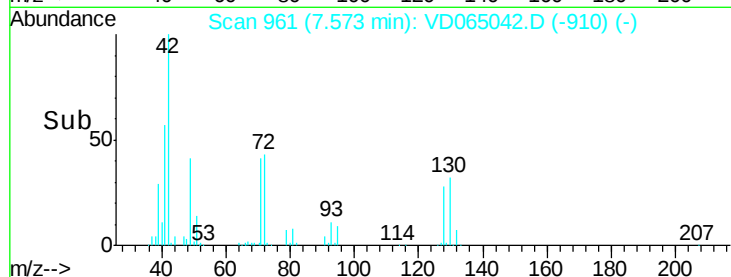
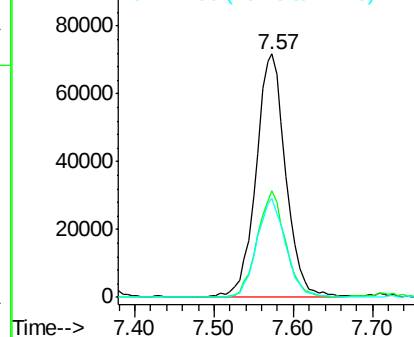
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	34.0	51.0
71	39.5	31.5	47.3

Manual Integrations
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2/3/2020 10:52:34 AM

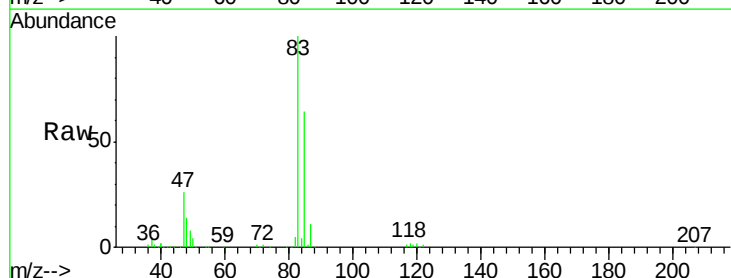


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

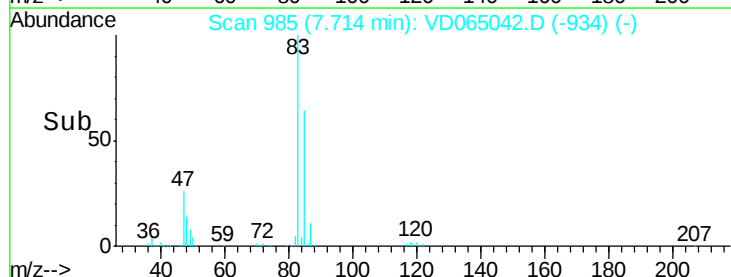
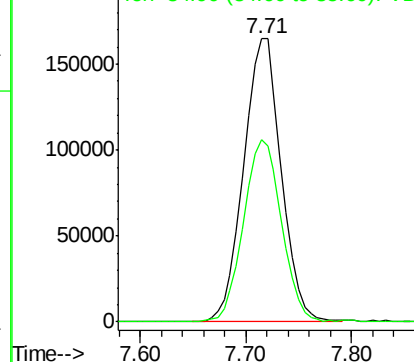


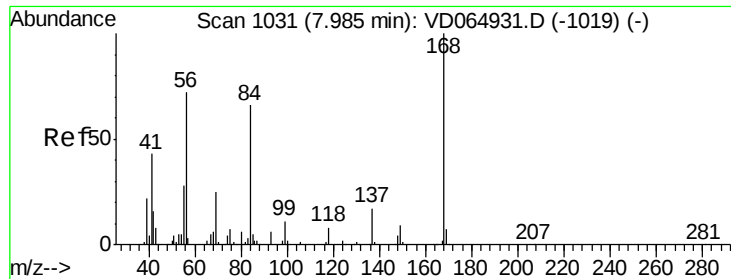
#30
Chloroform
Concen: 54.623 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.4	78.6



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





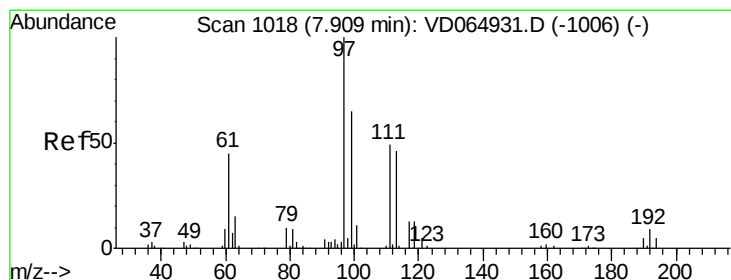
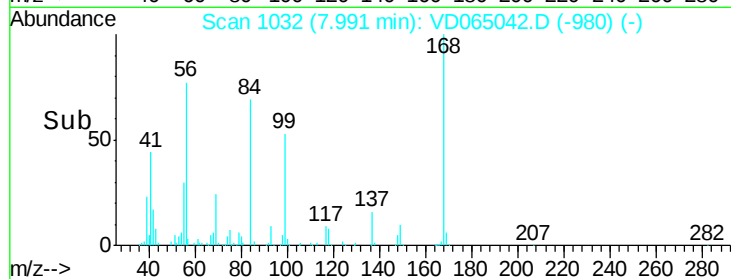
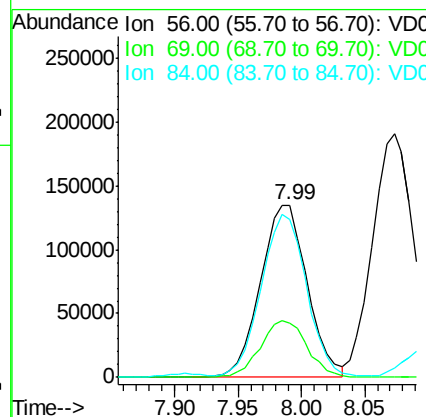
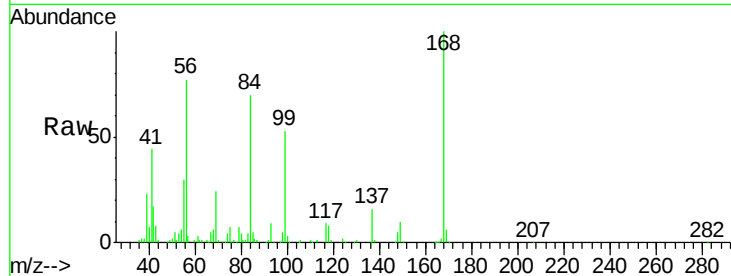
#31
Cyclohexane
Concen: 48.670 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	27.9	41.9
84	89.8	72.8	109.2

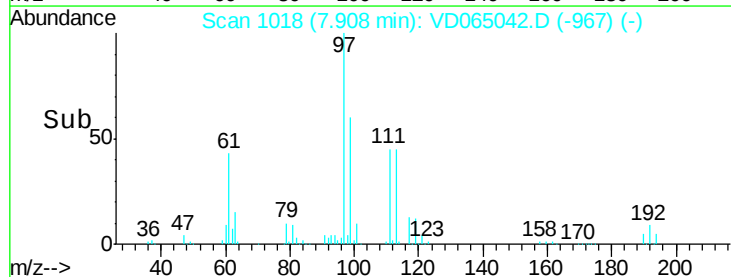
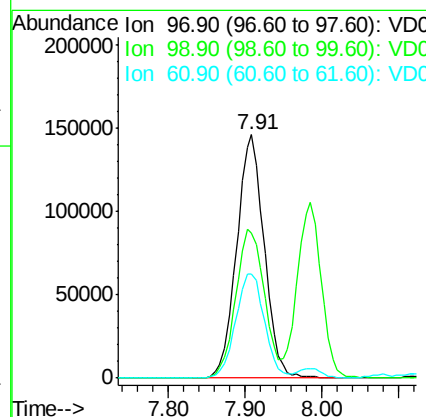
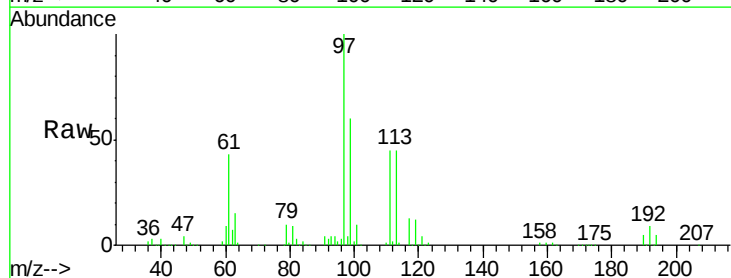
Manual Integrations
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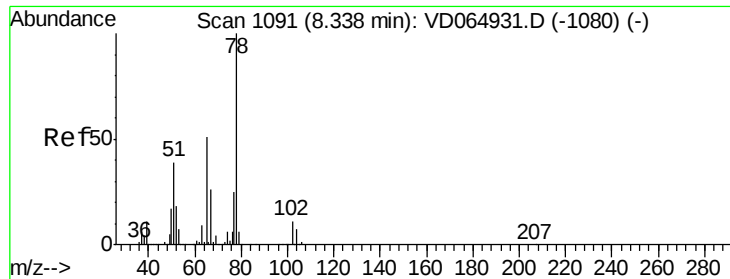
MMDadoda
2/3/2020 10:52:34 AM



#32
1,1,1-Trichloroethane
Concen: 52.661 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	50.6	76.0
61	44.6	35.7	53.5





#33

1,2-Dichloroethane-d4

Concen: 53.911 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 220144

Ion Ratio Lower Upper

65 100

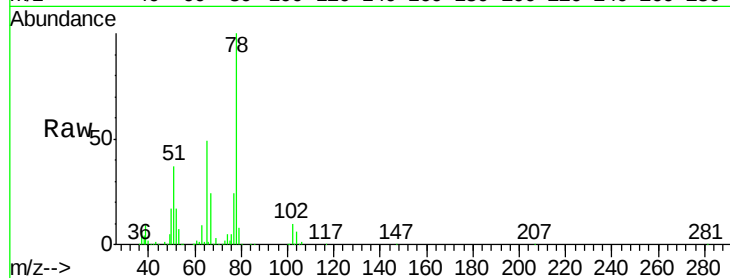
67 51.6 0.0 103.6

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

100000

80000

60000

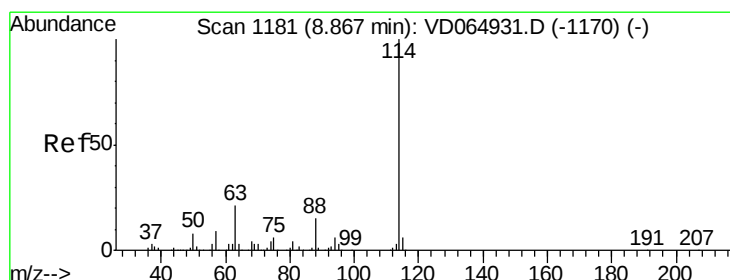
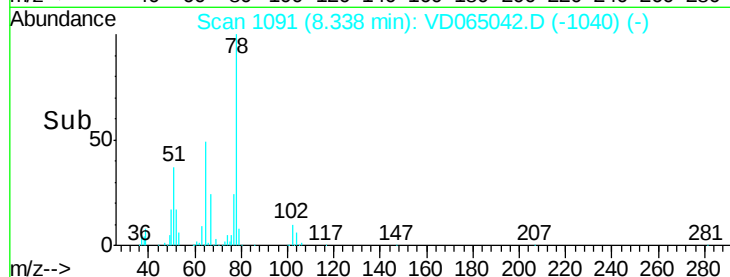
40000

20000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

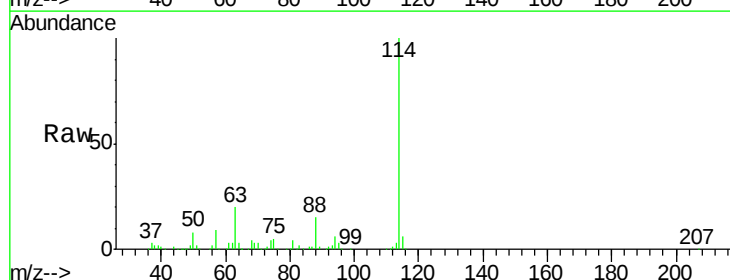
Tgt Ion: 114 Resp: 638734

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.0

88 15.3 0.0 29.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

300000

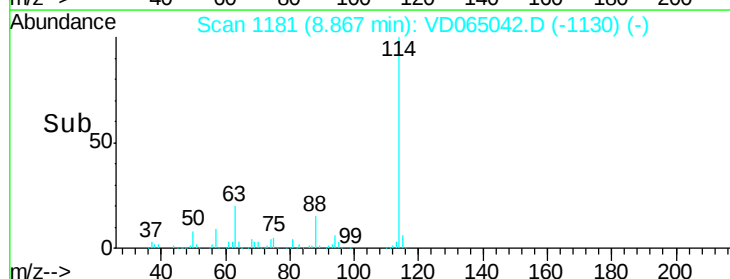
200000

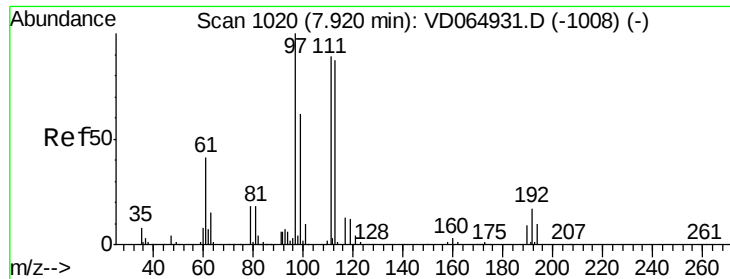
100000

0

8.80 8.90 9.00

Time-->





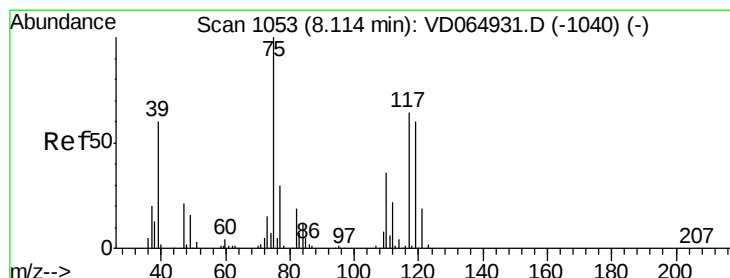
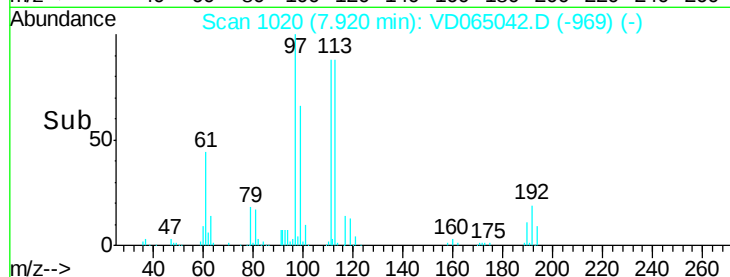
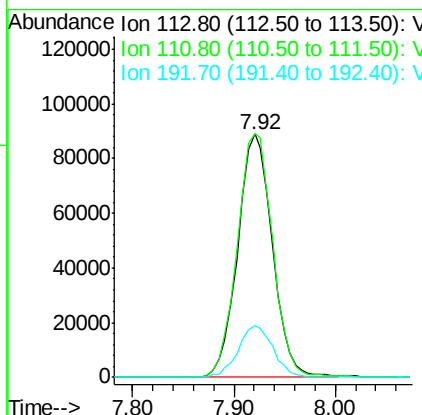
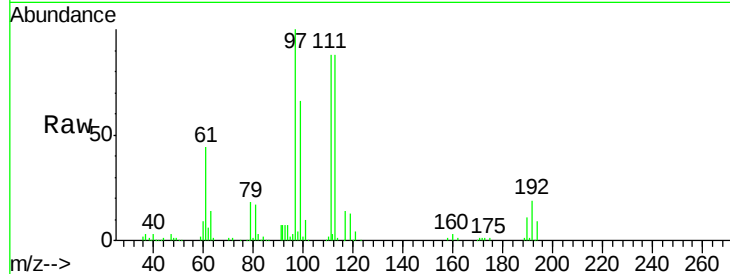
#35
 Dibromofluoromethane
 Concen: 52.639 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065042.D
 Acq: 31 Jan 2020 19:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	211286		
111	102.6	82.4	123.6	
192	21.4	16.9	25.3	

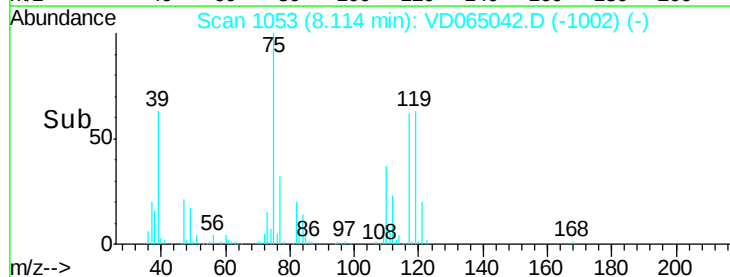
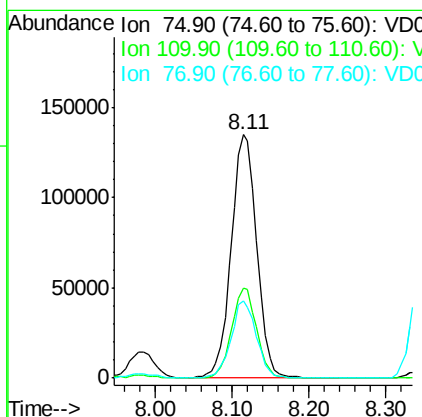
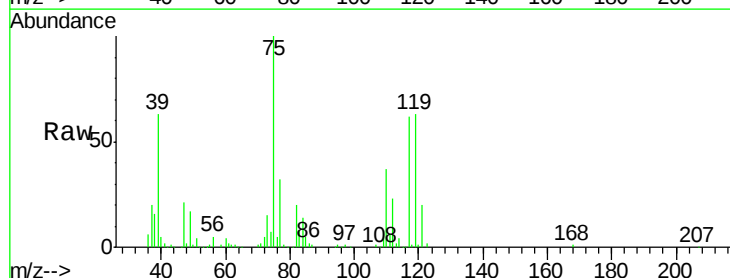
Manual Integrations
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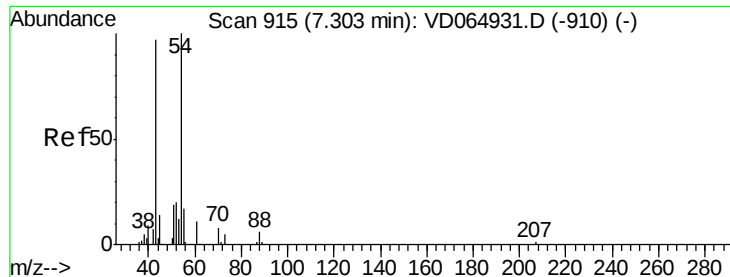
MMDadoda
 2/3/2020 10:52:34 AM



#36
 1,1-Dichloropropene
 Concen: 50.976 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065042.D
 Acq: 31 Jan 2020 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	313971		
110	35.8	17.3	52.0	
77	31.7	24.7	37.1	





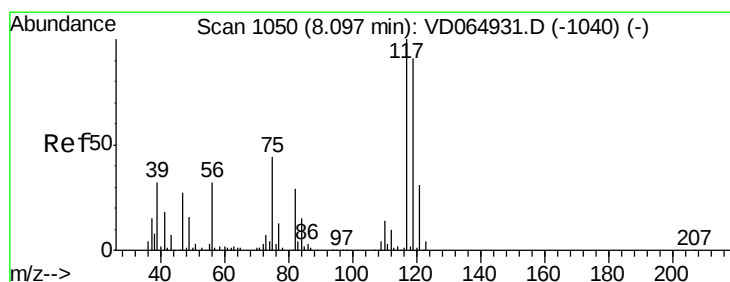
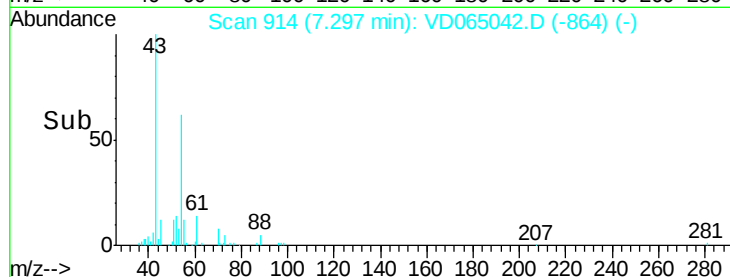
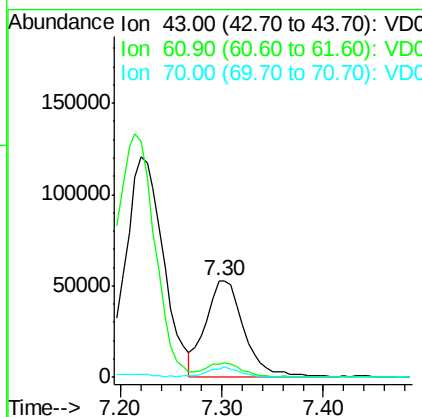
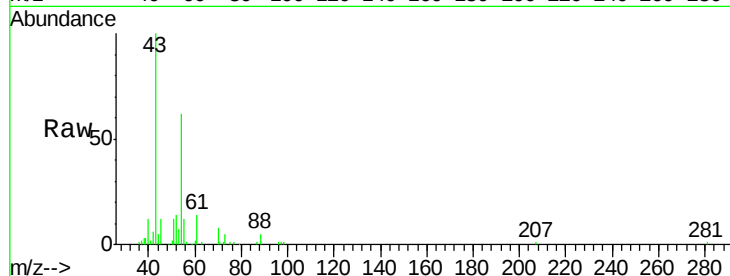
#37
Ethyl Acetate
Concen: 53.863 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	11.0	16.4
70	9.1	7.5	11.3

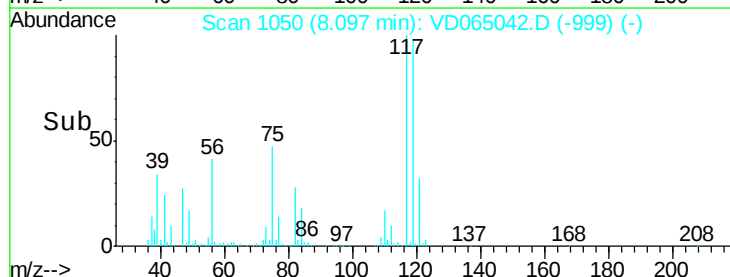
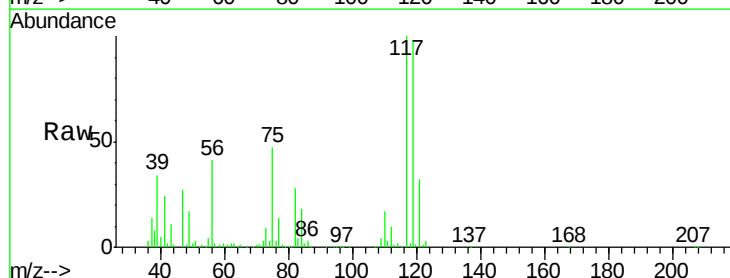
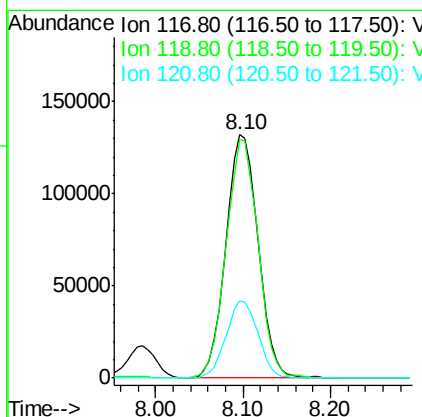
Manual Integrations
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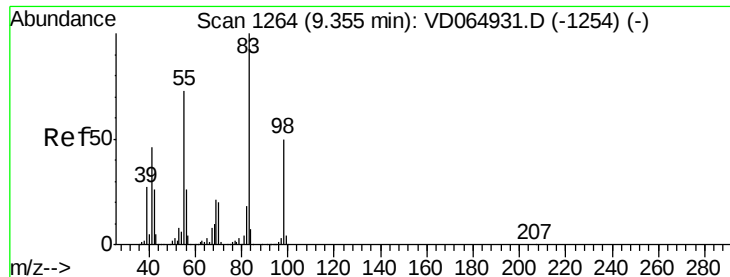
MMDadoda
2/3/2020 10:52:34 AM



#38
Carbon Tetrachloride
Concen: 50.791 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	73.2	109.8
121	31.9	24.4	36.6





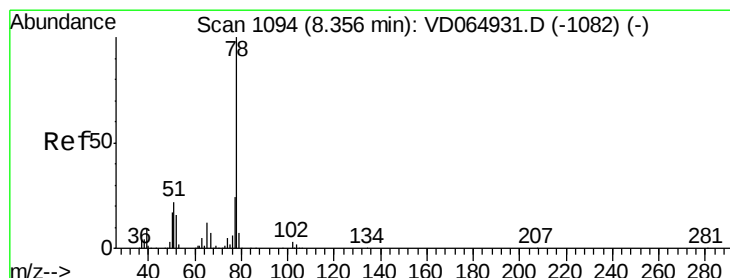
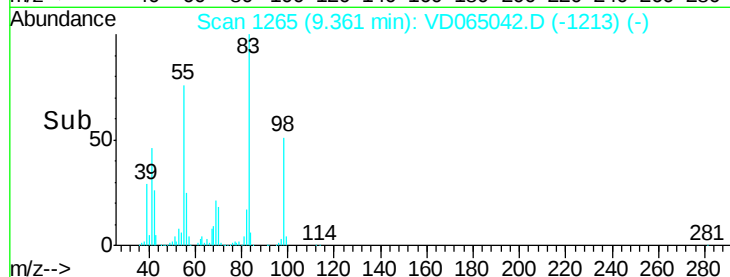
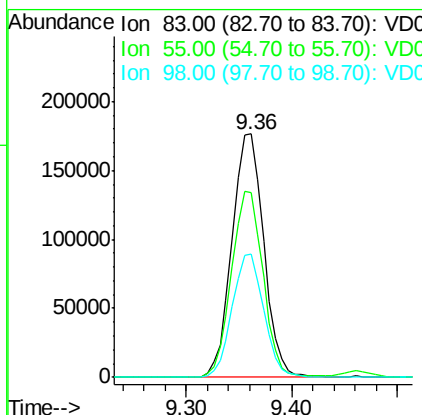
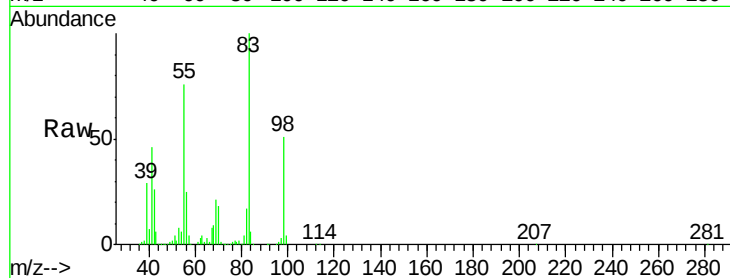
#39
Methylvlcyclohexane
Concen: 51.180 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.7	58.7	88.1
98	50.5	40.2	60.2

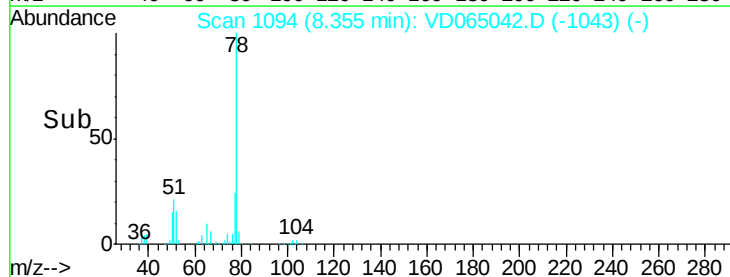
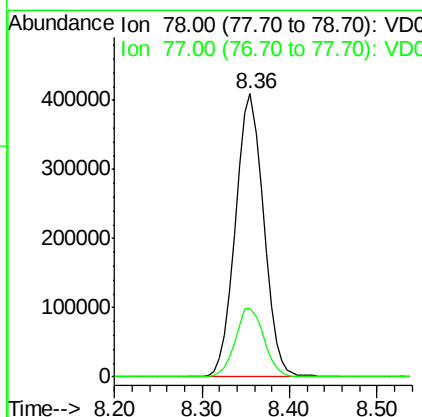
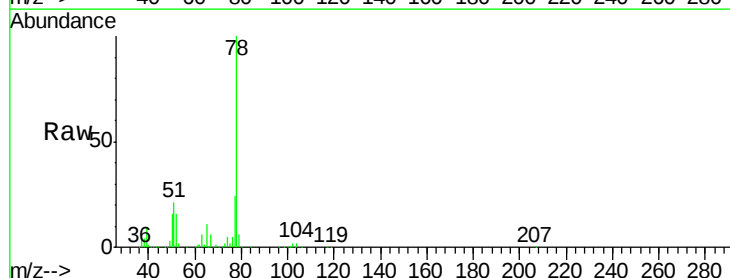
Manual Integrations
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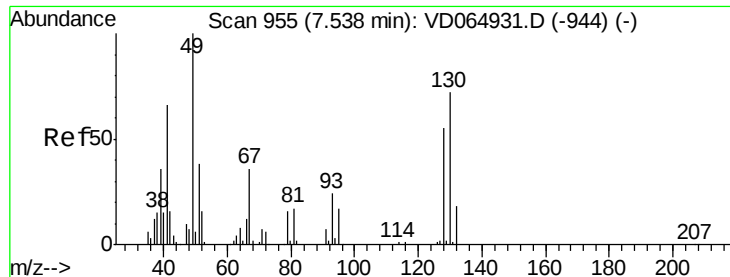
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2/3/2020 10:52:34 AM



#40
Benzene
Concen: 52.780 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.2	28.8





#41

Methacrylonitrile

Concen: 55.106 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 75523

Ion Ratio Lower Upper

41 100

39 73.1 49.3 73.9

67 71.7 51.0 76.6

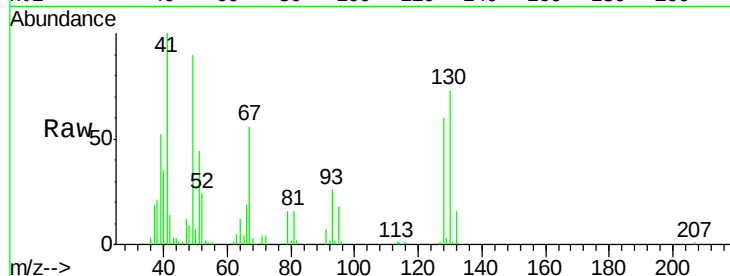
52 32.9 22.3 33.5

Manual Integrations

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2/3/2020 10:52:34 AM

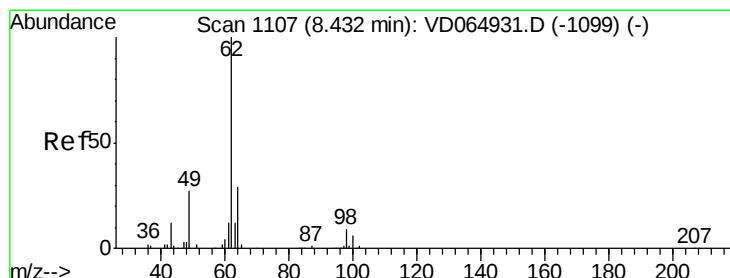
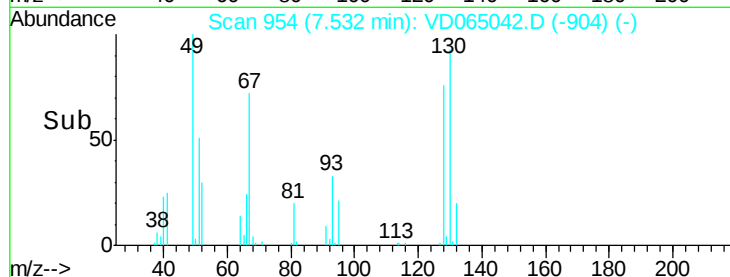
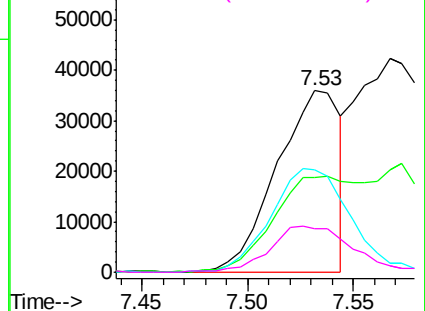


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 52.866 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD065042.D

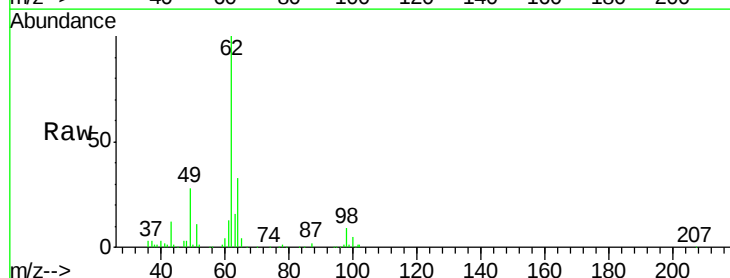
Acq: 31 Jan 2020 19:10

Tgt Ion: 62 Resp: 267136

Ion Ratio Lower Upper

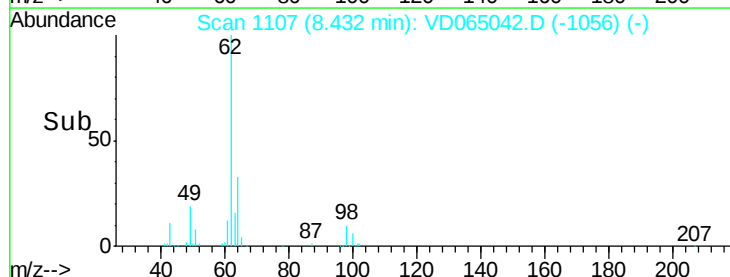
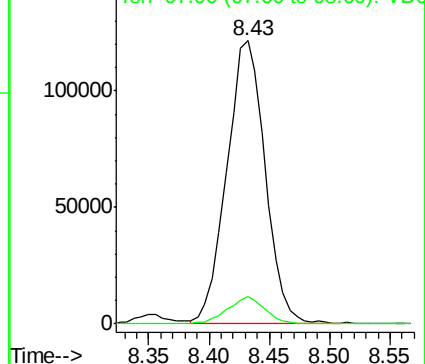
62 100

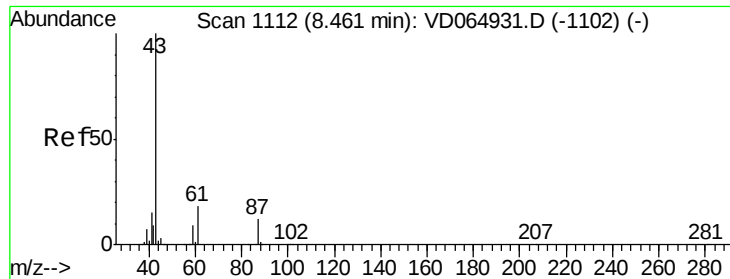
98 9.3 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 54.303 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

Instrument :

MSVOA_D

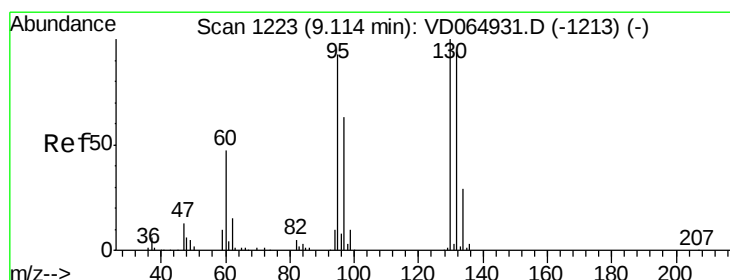
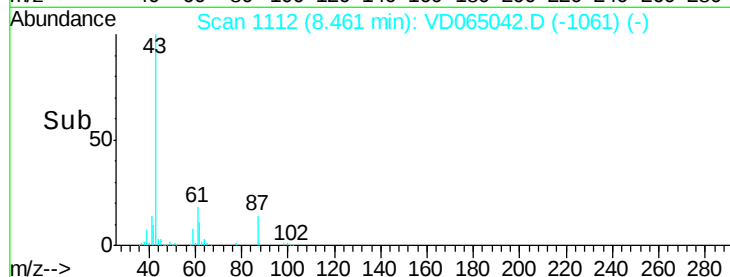
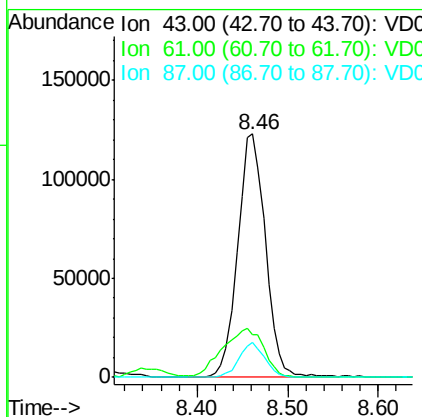
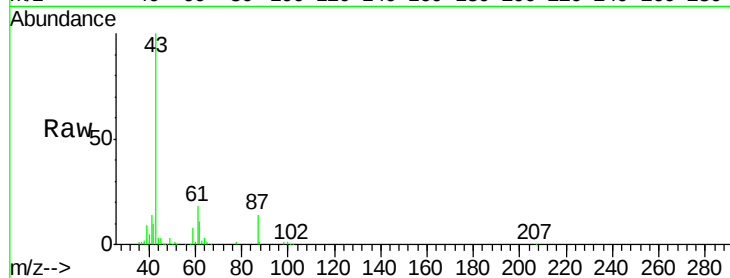
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	262426
Ion	Ratio	Lower	Upper
43	100		
61	29.2	23.8	35.6
87	13.1	10.3	15.5

Manual Integrations
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#44

Trichloroethene

Concen: 51.950 ug/l

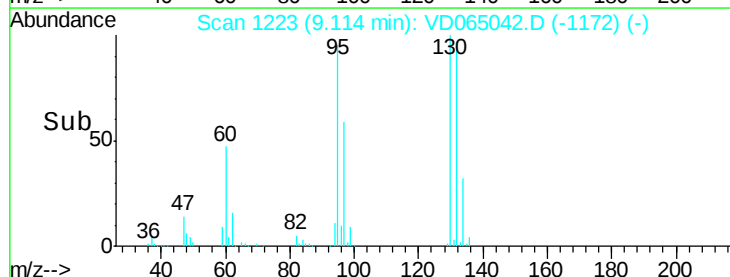
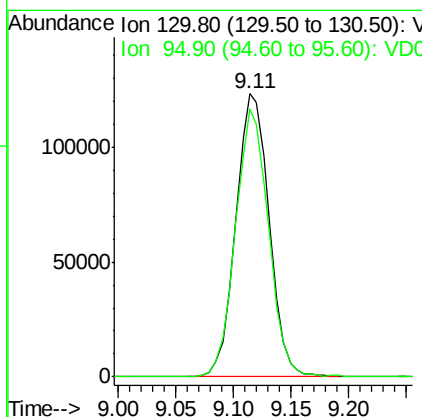
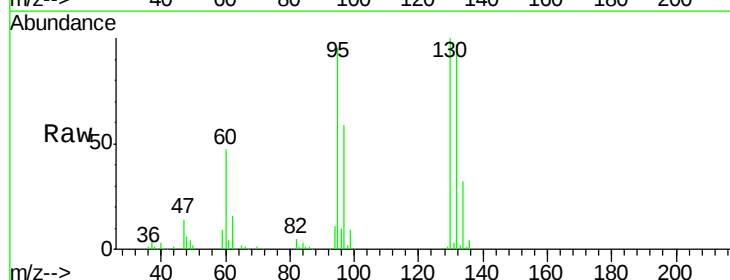
RT: 9.11 min Scan# 1223

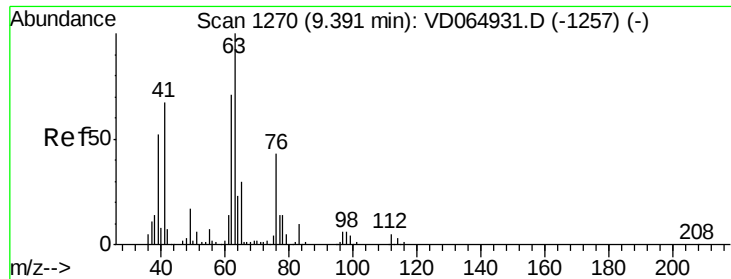
Delta R.T. -0.00 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

Tgt Ion:	130	Resp:	246632
Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	185.8





#45

1,2-Dichloropropane

Concen: 54.071 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 222355

Ion Ratio Lower Upper

63 100

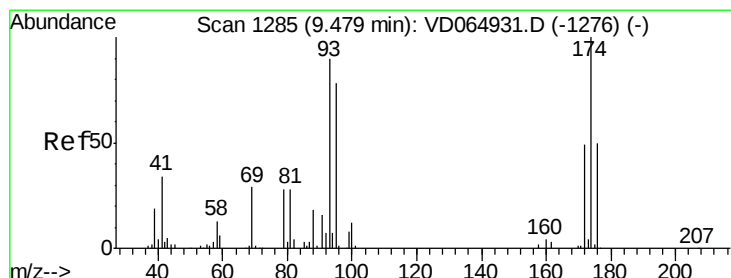
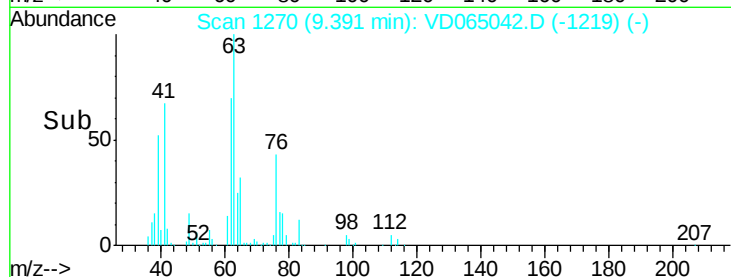
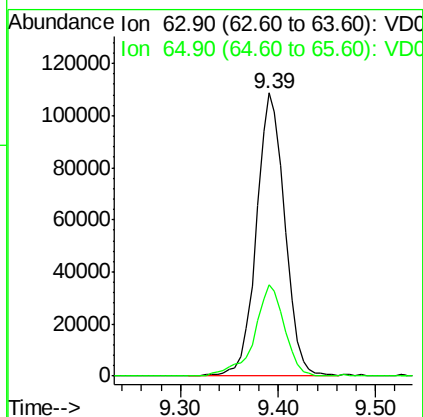
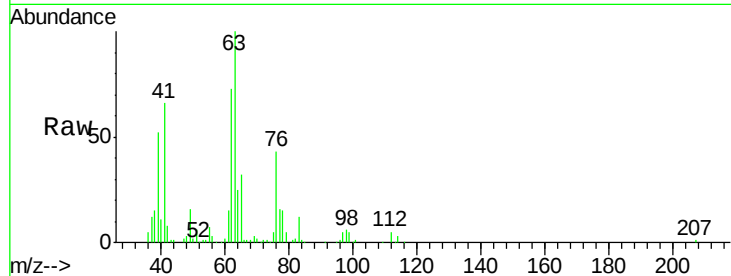
65 32.3 24.3 36.5

Manual Integrations

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MMDadoda

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#46

Dibromomethane

Concen: 54.024 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

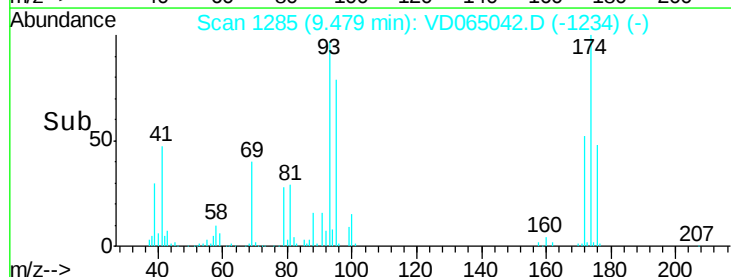
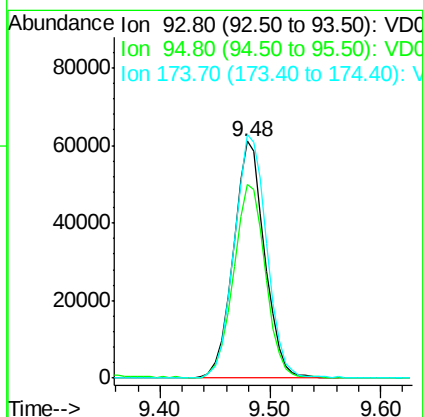
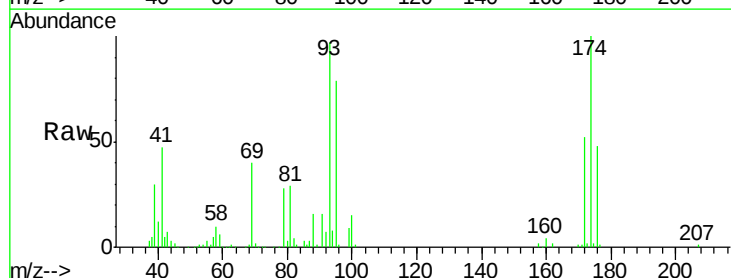
Tgt Ion: 93 Resp: 121292

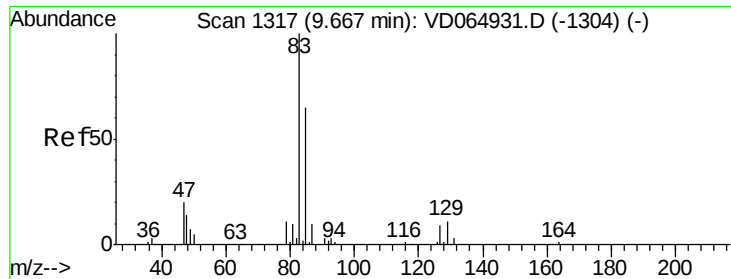
Ion Ratio Lower Upper

93 100

95 83.6 67.5 101.3

174 106.8 88.4 132.6





#47

Bromodichloromethane

Concen: 54.856 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

Instrument :

MSVOA_D

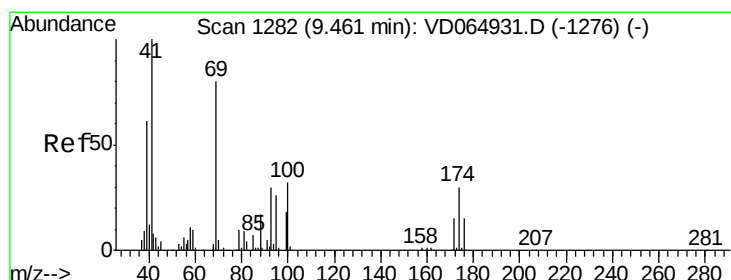
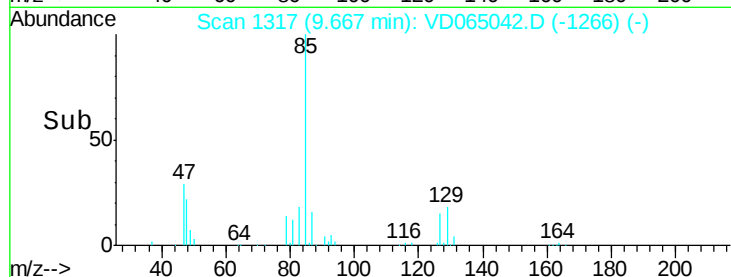
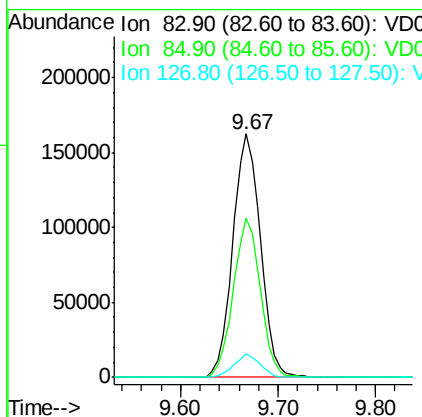
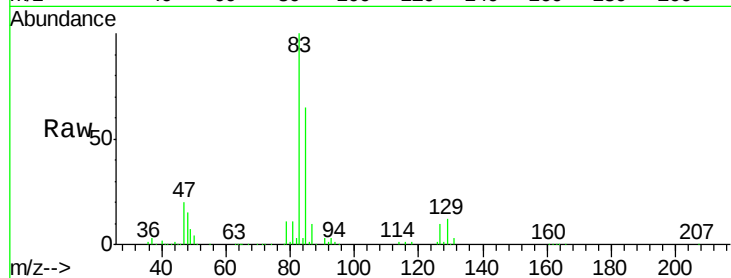
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	320473
Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.0	78.0
127	9.5	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 56.051 ug/l

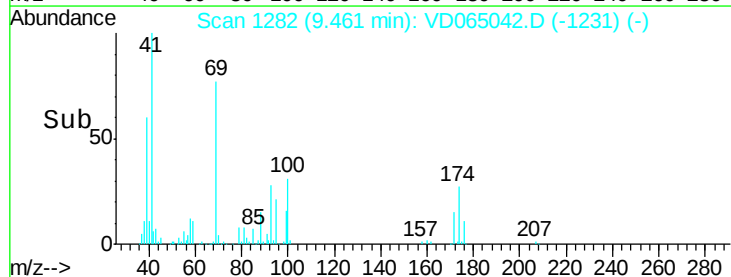
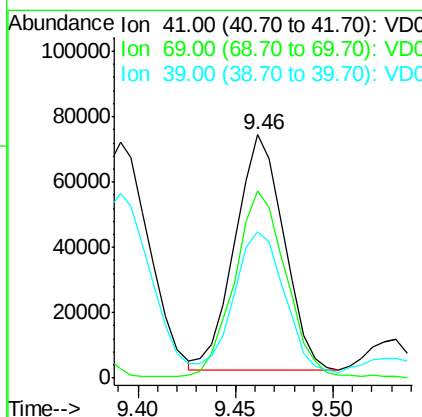
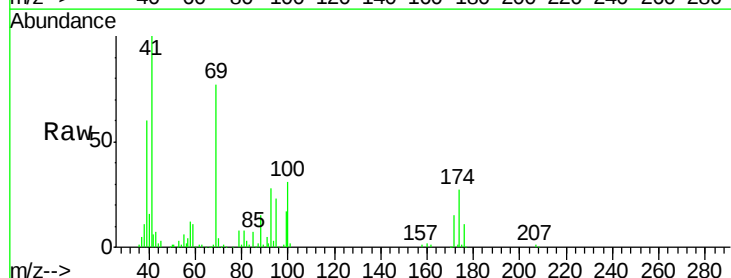
RT: 9.46 min Scan# 1282

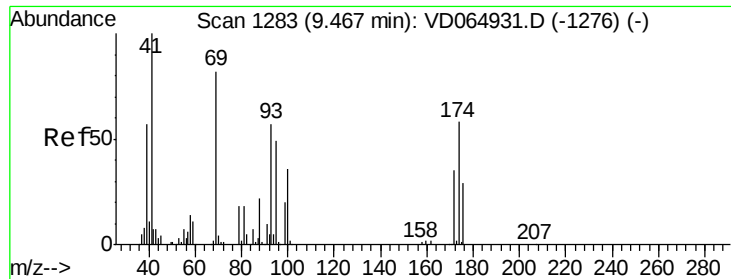
Delta R.T. -0.00 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

Tgt Ion:	41	Resp:	124652
Ion	Ratio	Lower	Upper
41	100		
69	84.1	65.8	98.8
39	62.5	49.4	74.0





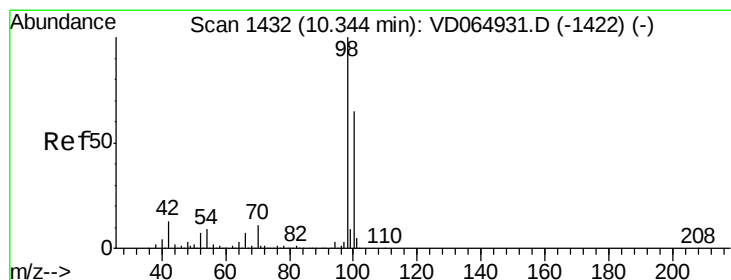
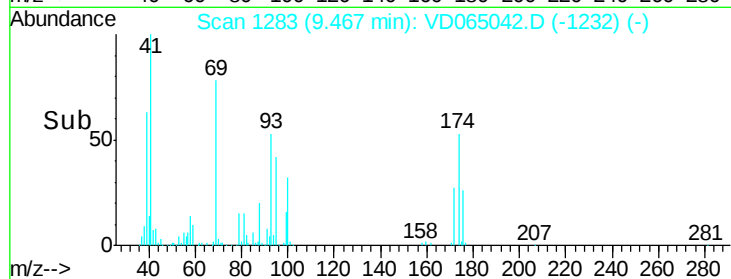
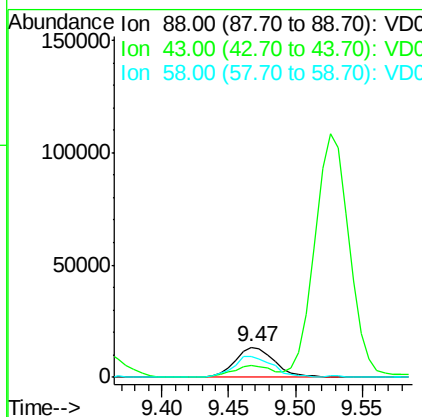
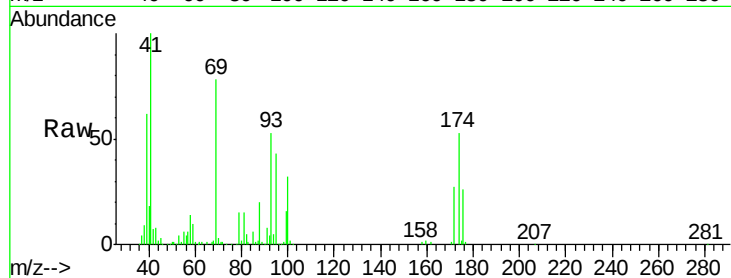
#49
1,4-Dioxane
Concen: 1051.396 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.7	26.2	39.4
58	71.0	50.3	75.5

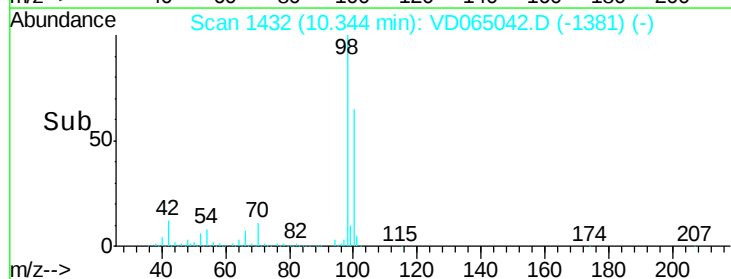
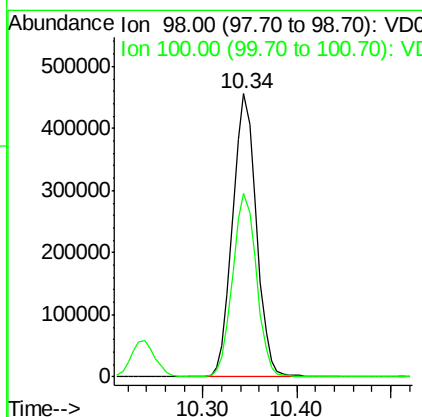
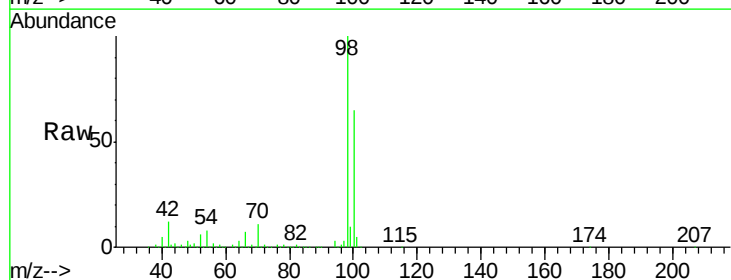
Manual Integrations
APPROVED

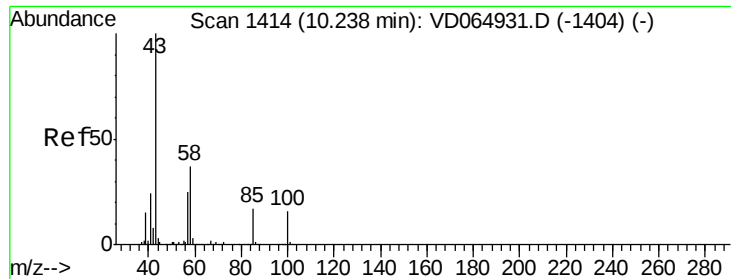
MMDadoda
2/3/2020 10:52:34 AM



#50
Toluene-d8
Concen: 51.842 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 278.452 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 673314

Ion Ratio Lower Upper

43 100

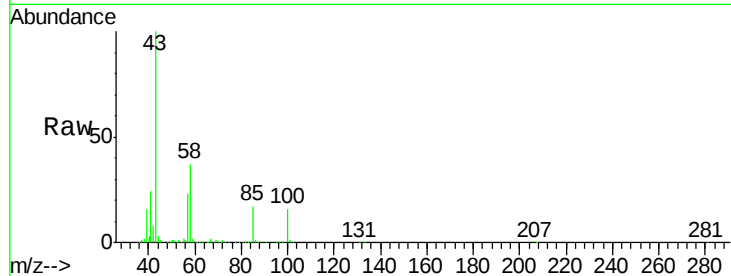
58 37.4 30.4 45.6

Manual Integrations

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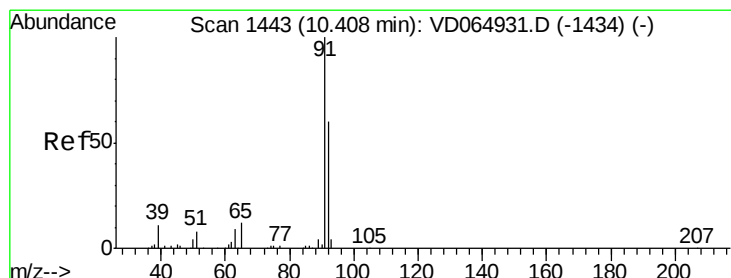
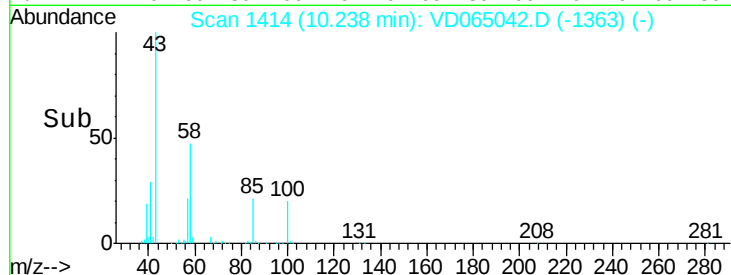
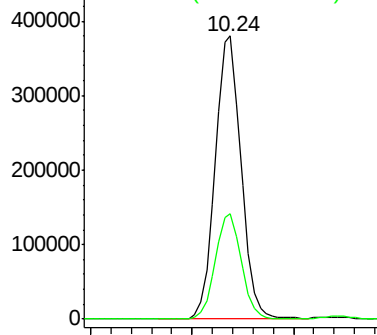
MMDadoda

2/3/2020 10:52:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 52.702 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065042.D

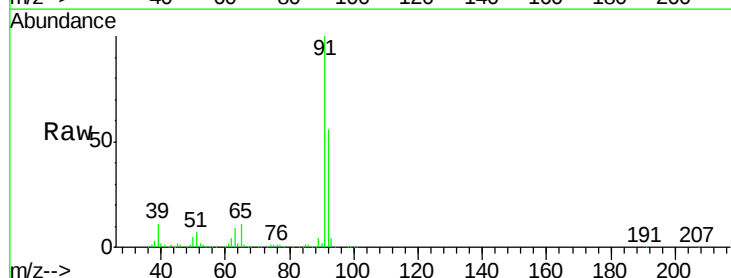
Acq: 31 Jan 2020 19:10

Tgt Ion: 92 Resp: 576385

Ion Ratio Lower Upper

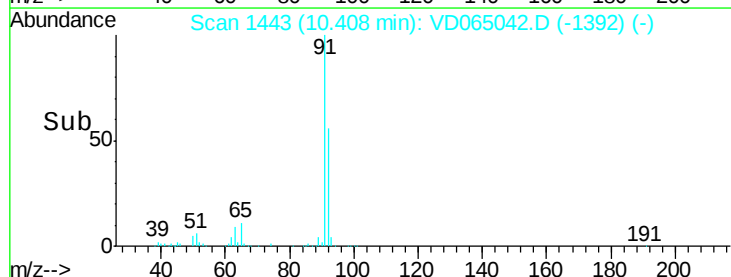
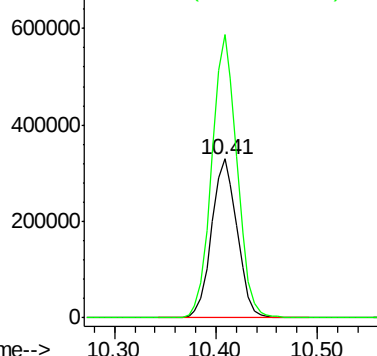
92 100

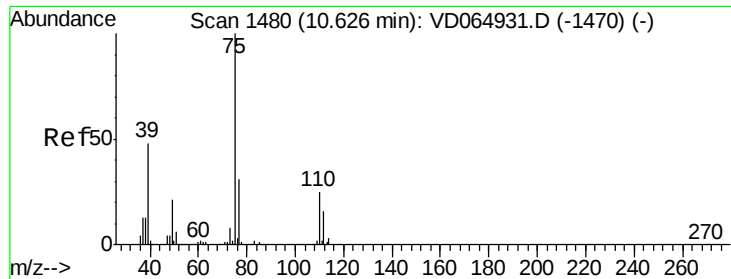
91 176.0 136.8 205.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





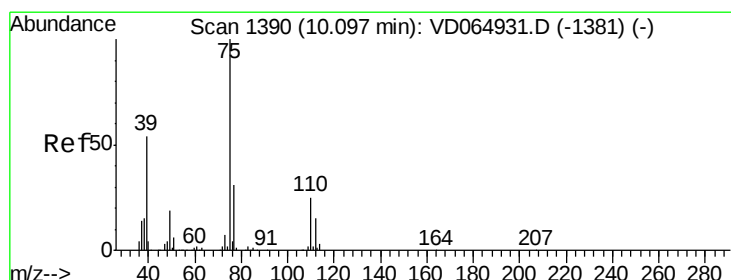
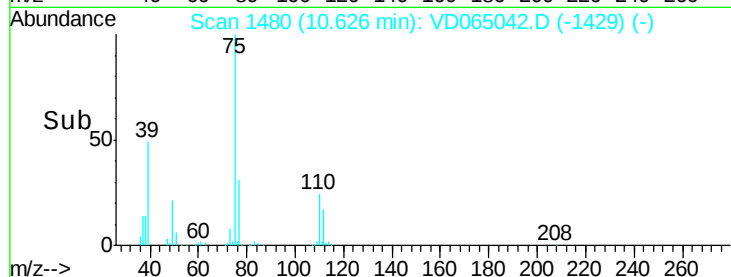
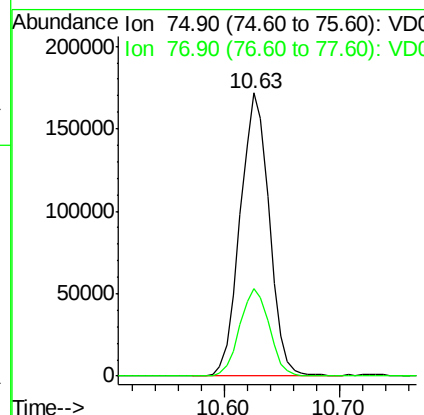
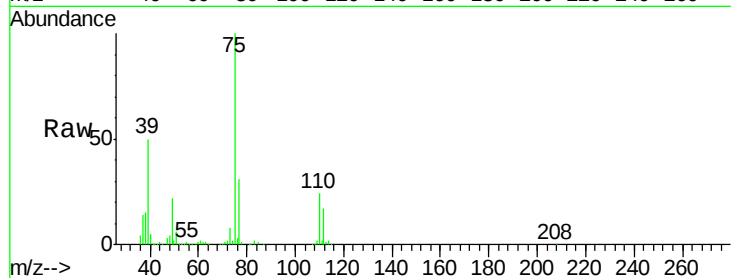
#53
 t-1,3-Dichloropropene
 Concen: 53.882 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065042.D
 Acq: 31 Jan 2020 19:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.0	37.6

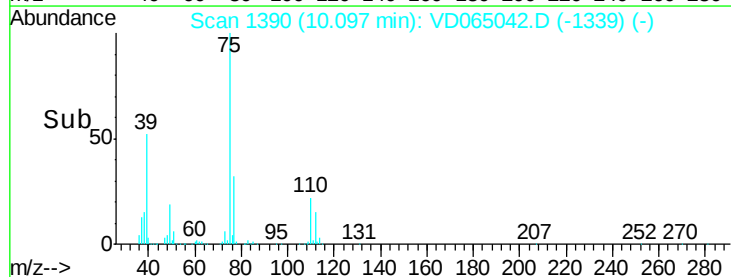
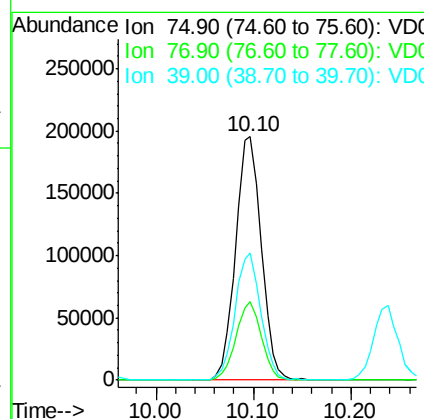
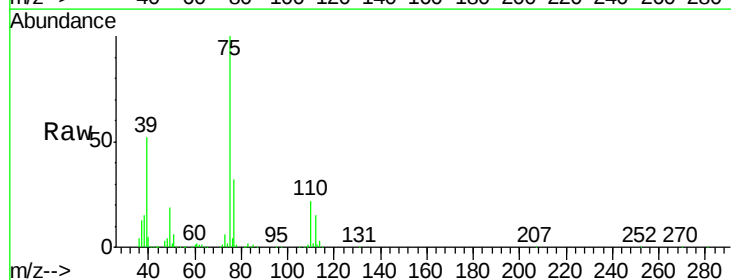
Manual Integrations
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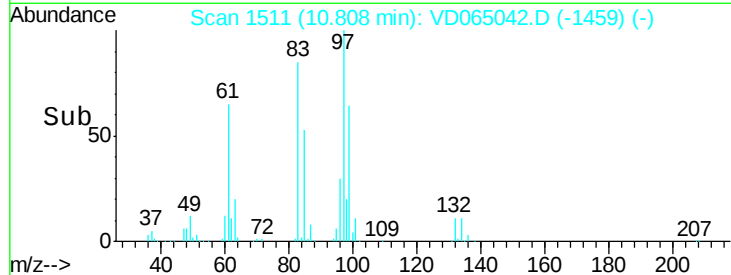
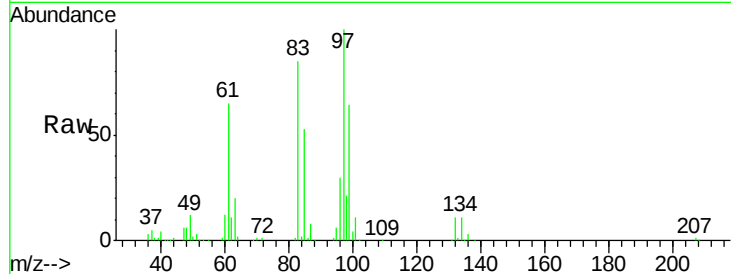
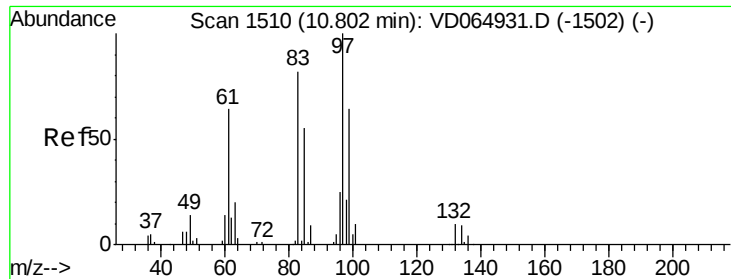
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#54
 cis-1,3-Dichloropropene
 Concen: 55.265 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VD065042.D
 Acq: 31 Jan 2020 19:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.1	37.7
39	52.3	43.0	64.6





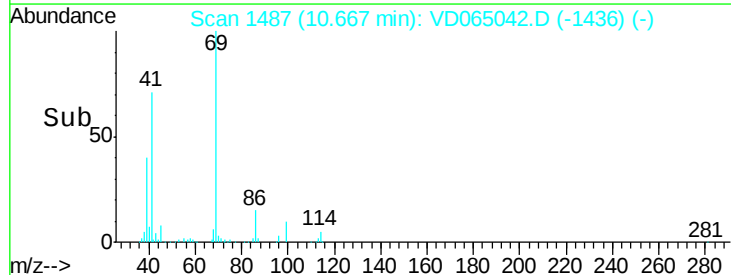
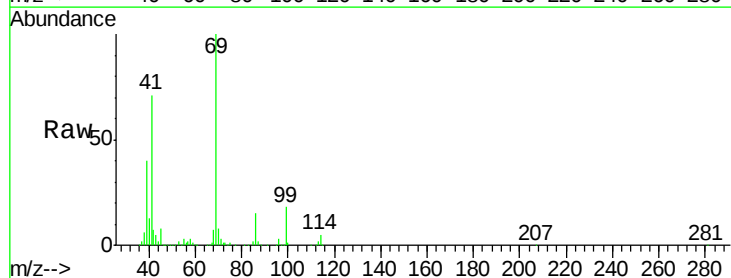
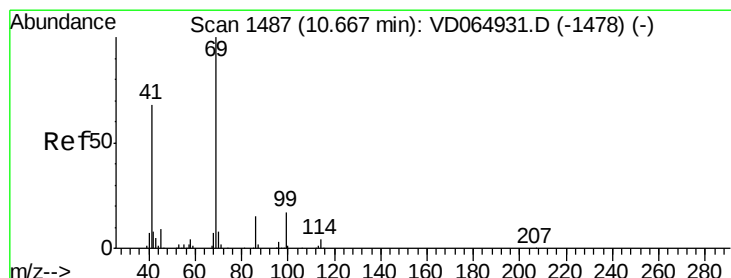
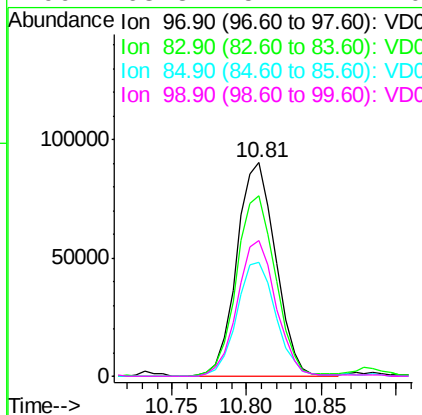
#55
 1,1,2-Trichloroethane
 Concen: 53.783 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD065042.D
 Acq: 31 Jan 2020 19:10

Tot Ion	Ratio	Resp	Lower	Upper
97	100	162650		
83	84.9	66.0	99.0	
85	53.5	44.4	66.6	
99	63.8	51.4	77.0	

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

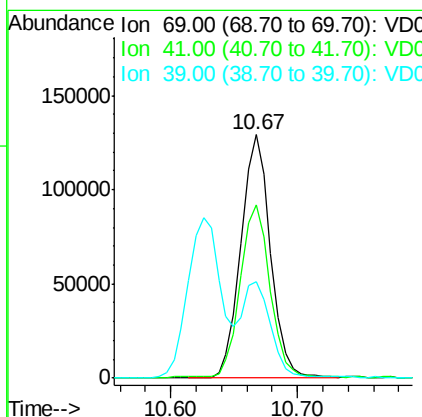
Manual Integrations
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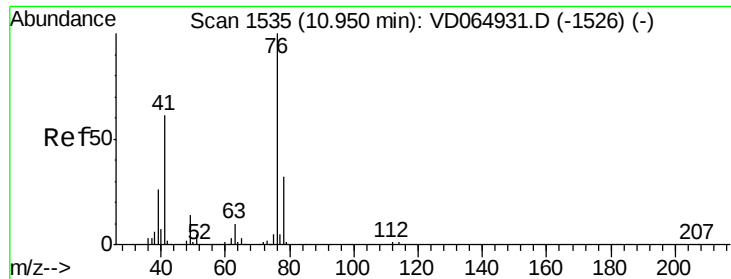
MMDadoda
 2/3/2020 10:52:34 AM



#56
 Ethyl methacrylate
 Concen: 57.828 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065042.D
 Acq: 31 Jan 2020 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	209132		
41	70.7	56.4	84.6	
39	38.4	30.6	46.0	





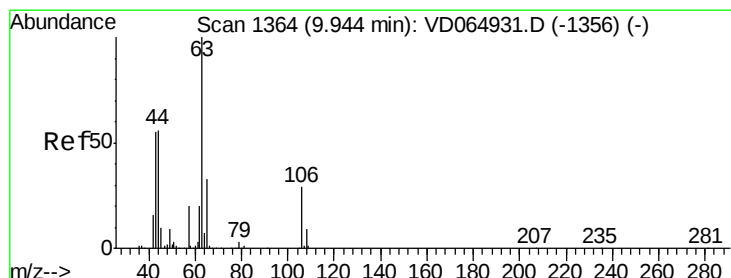
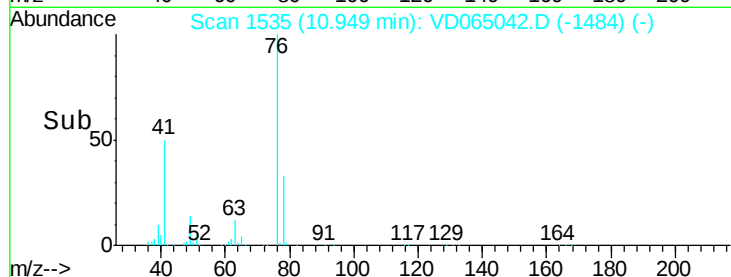
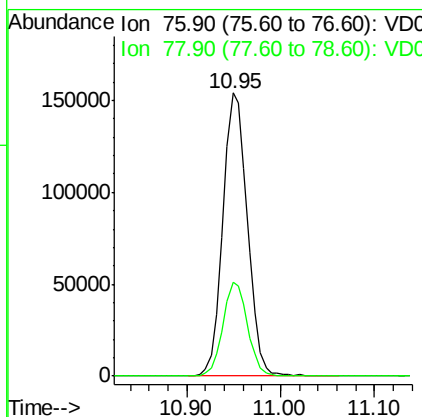
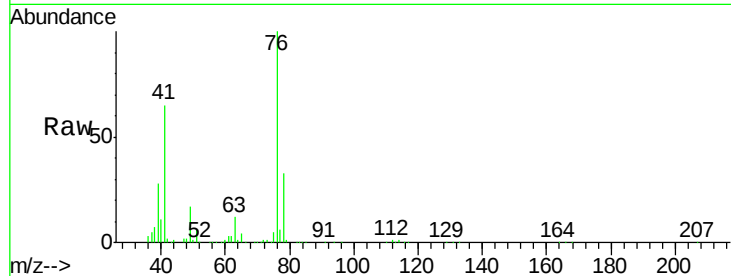
#57
 1,3-Dichloropropane
 Concen: 53.879 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065042.D
 Acq: 31 Jan 2020 19:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 279471
 Ion Ratio Lower Upper
 76 100
 78 33.3 25.7 38.5

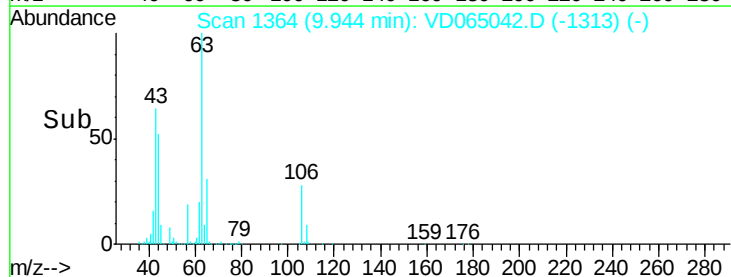
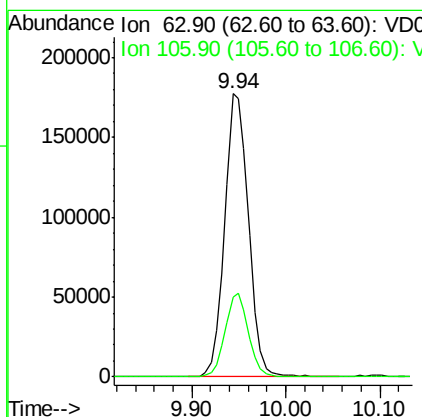
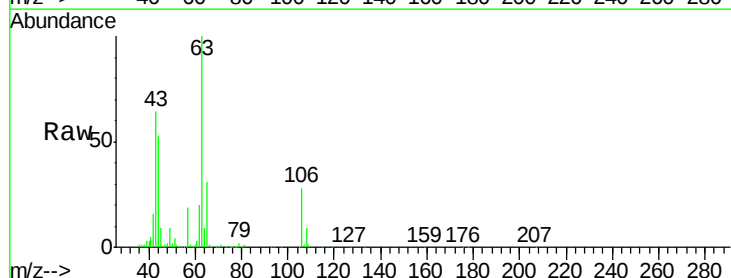
Manual Integrations
 APPROVED

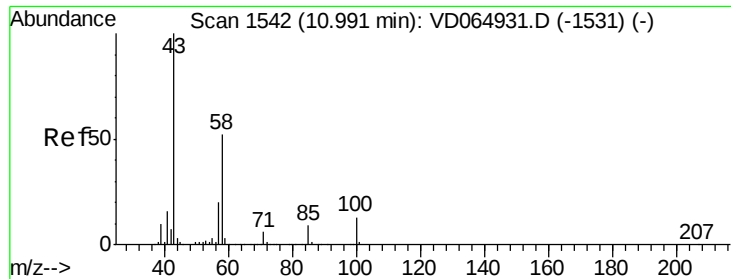
MMDadoda
 2/3/2020 10:52:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.093 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065042.D
 Acq: 31 Jan 2020 19:10

Tgt Ion: 63 Resp: 311289
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.0 34.4





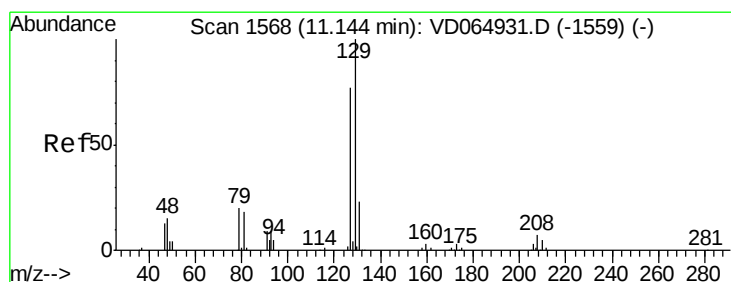
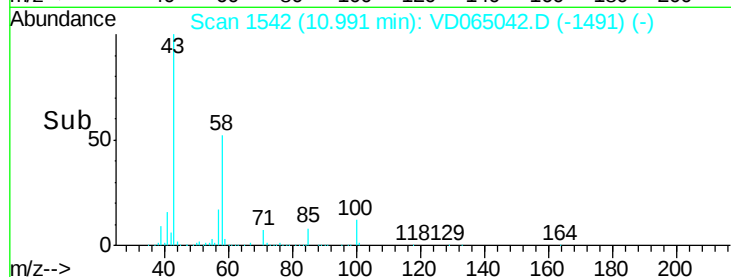
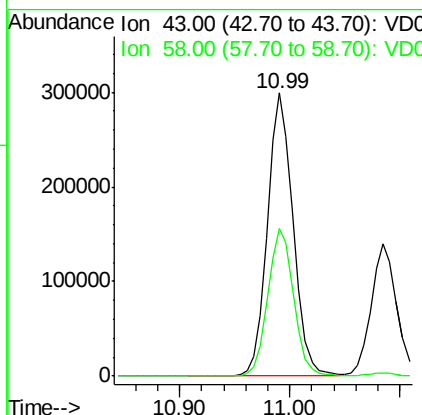
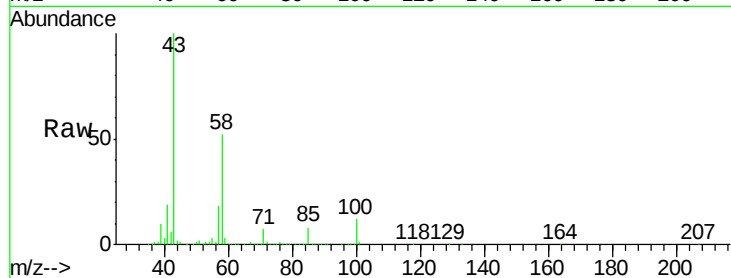
#59
2-Hexanone
Concen: 291.644 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 486436
Ion Ratio Lower Upper
43 100
58 52.2 26.5 79.4

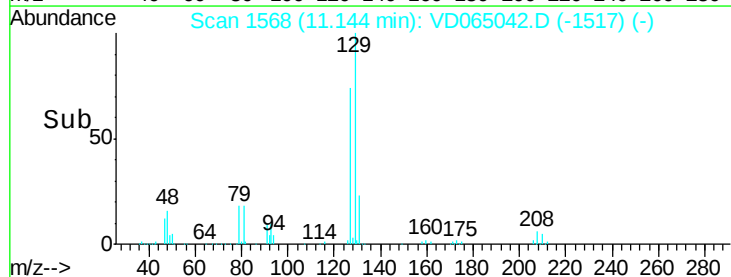
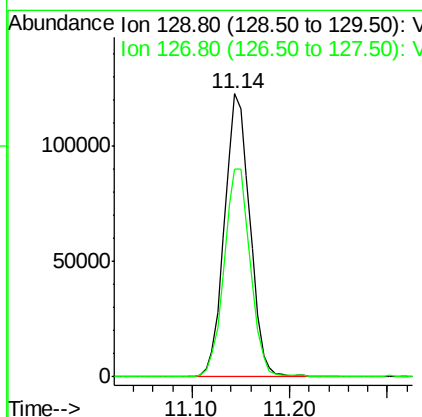
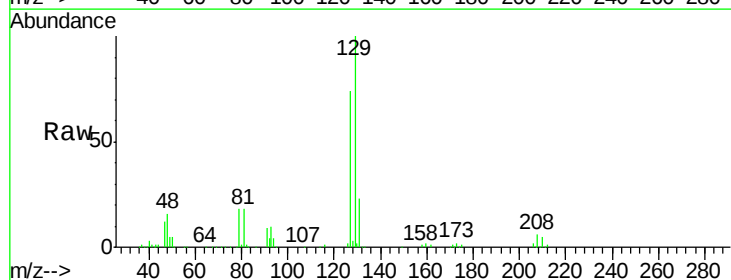
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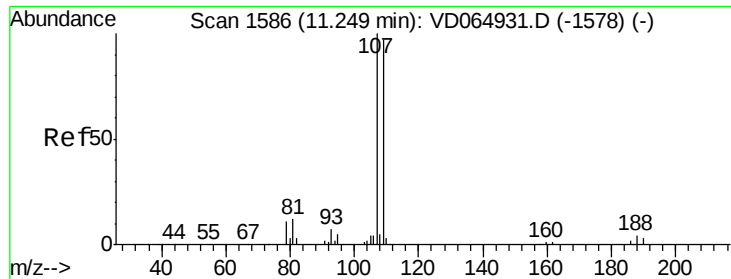
MMDadoda
2/3/2020 10:52:34 AM



#60
Dibromochloromethane
Concen: 54.851 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Tgt Ion: 129 Resp: 221711
Ion Ratio Lower Upper
129 100
127 75.9 38.2 114.6





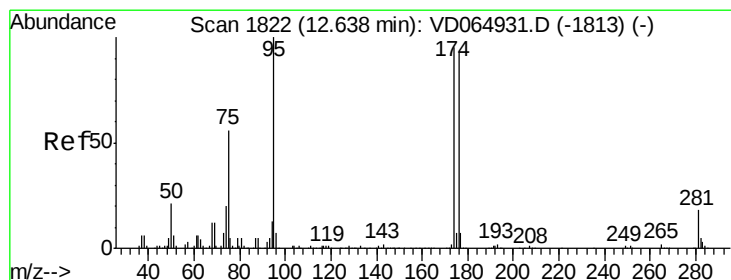
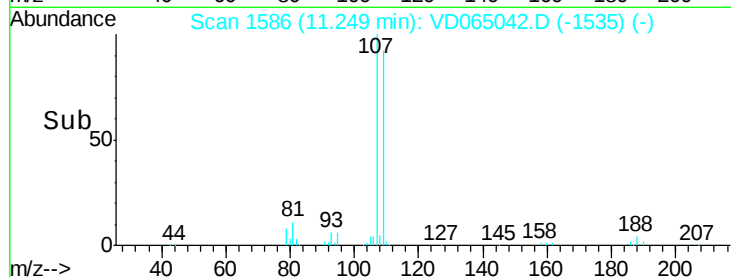
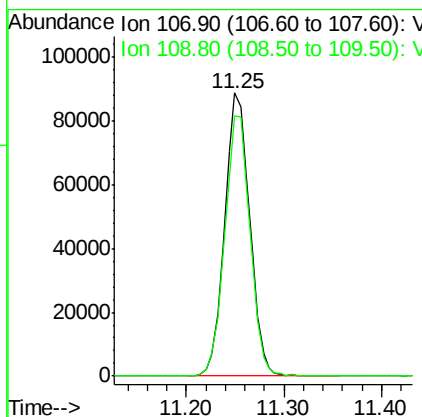
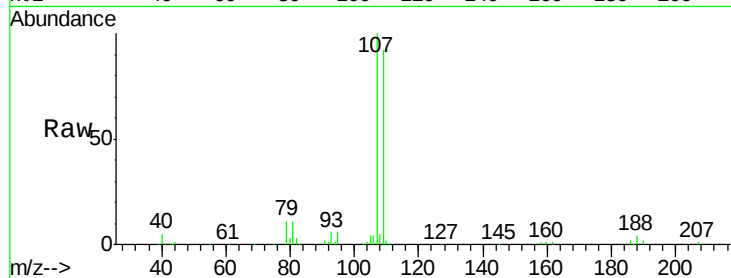
#61
 1,2-Dibromoethane
 Concen: 54.153 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065042.D
 Acq: 31 Jan 2020 19:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 157693
 Ion Ratio Lower Upper
 107 100
 109 93.5 77.1 115.7

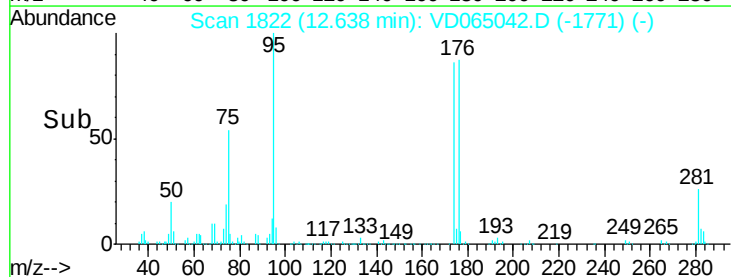
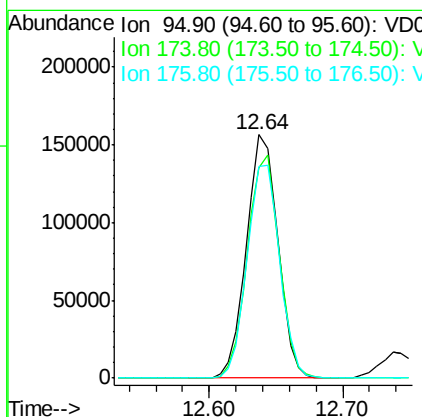
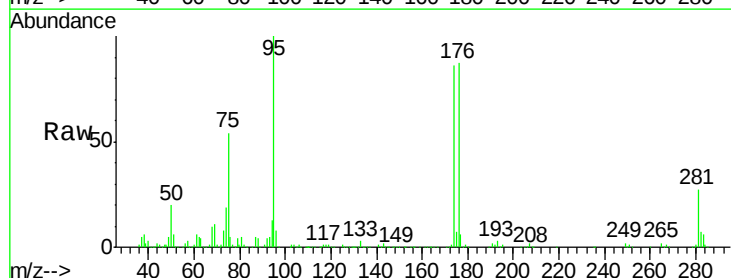
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 2/3/2020 10:52:34 AM



#62
 4-Bromofluorobenzene
 Concen: 53.661 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065042.D
 Acq: 31 Jan 2020 19:10

Tgt Ion: 95 Resp: 254403
 Ion Ratio Lower Upper
 95 100
 174 93.0 0.0 186.8
 176 90.4 0.0 183.4





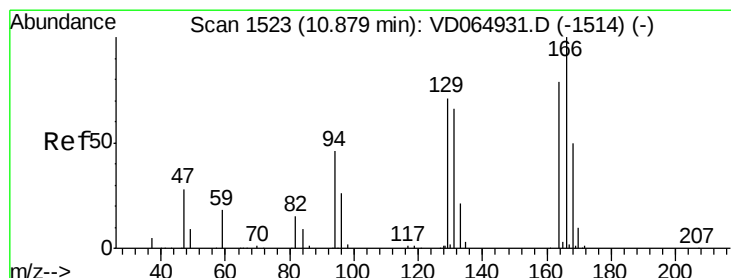
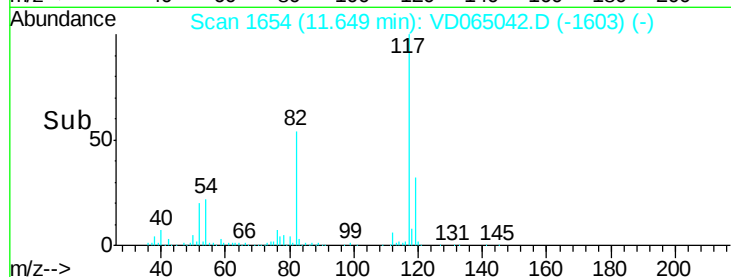
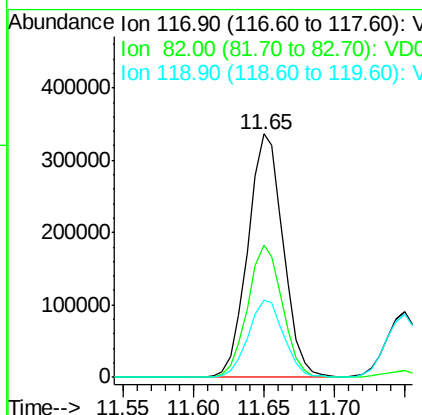
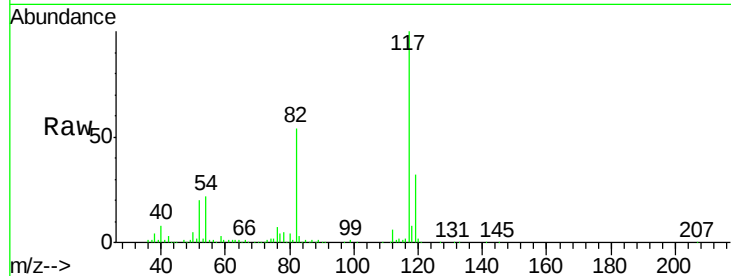
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	43.6	65.4
119	31.5	25.2	37.8

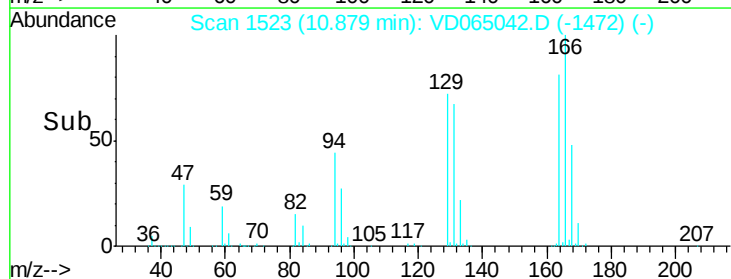
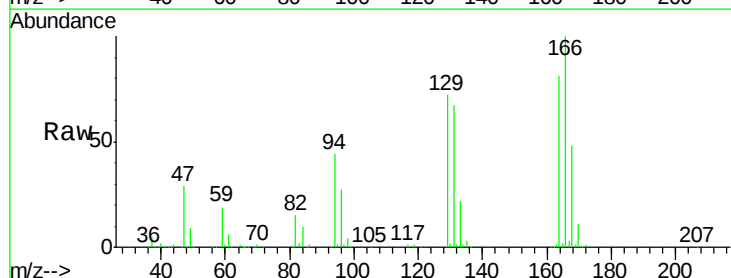
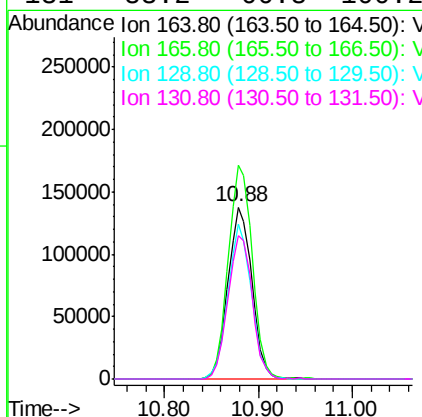
Manual Integrations
APPROVED

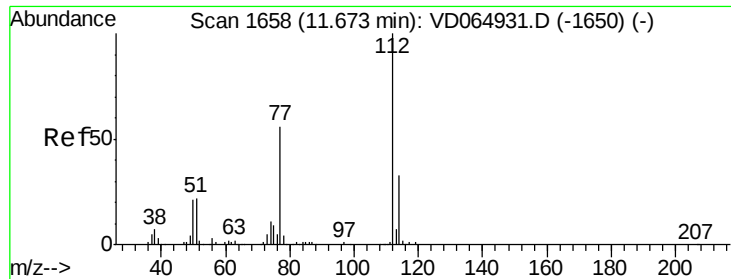
MMDadoda
2/3/2020 10:52:34 AM



#64
Tetrachloroethene
Concen: 57.022 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.1	101.4	152.2
129	89.7	71.8	107.8
131	83.2	66.8	100.2





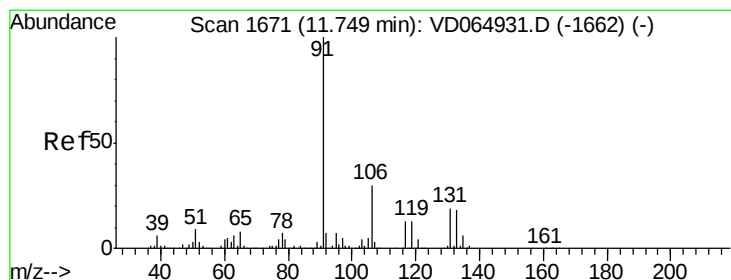
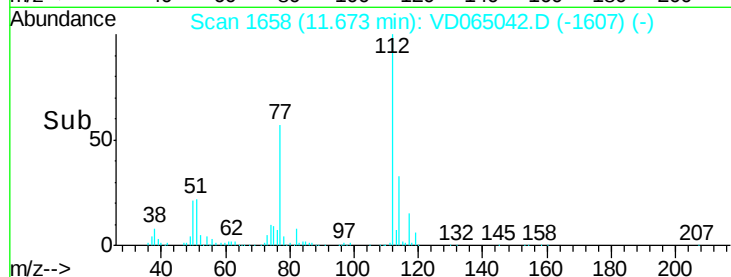
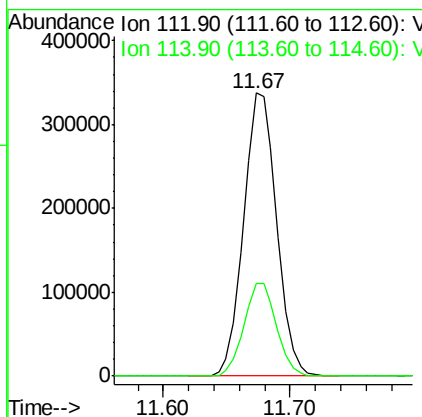
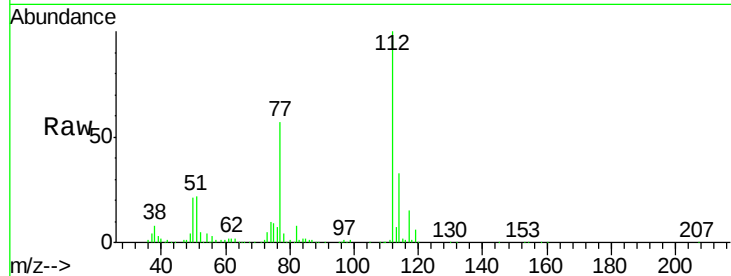
#65
Chlorobenzene
Concen: 50.826 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	26.2	39.4

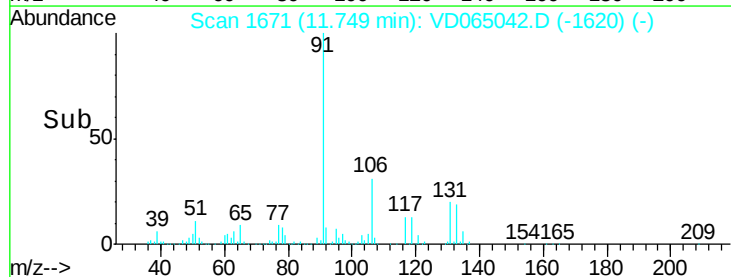
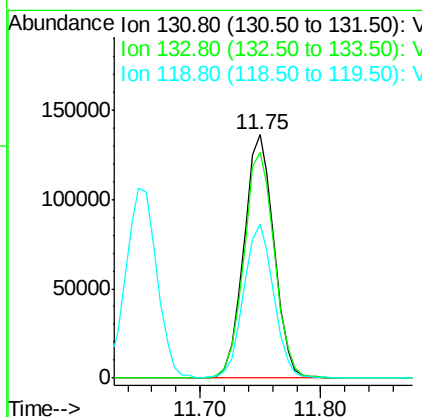
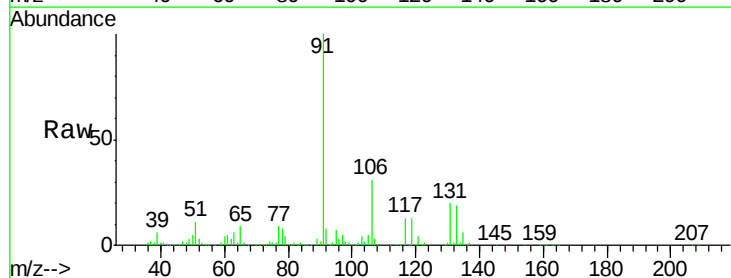
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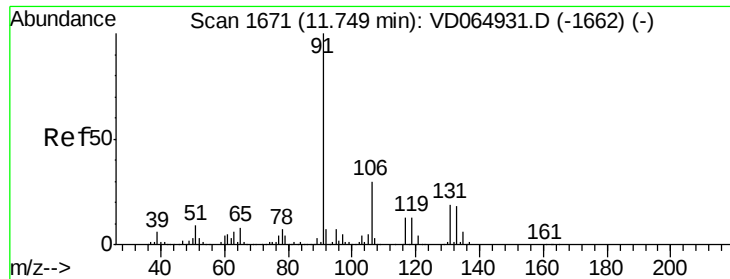
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.492 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.5	142.5
119	63.3	31.1	93.5





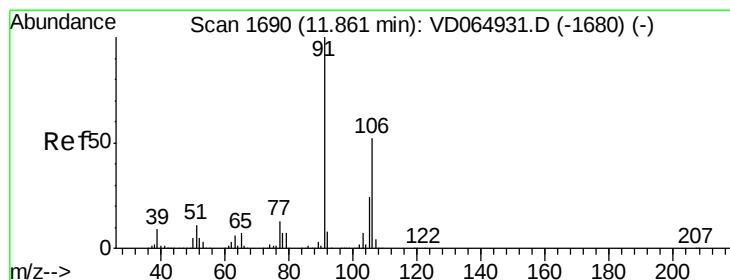
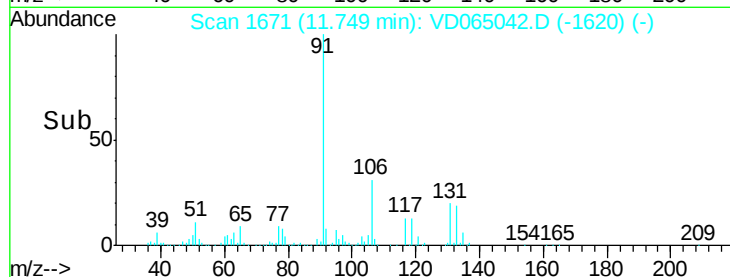
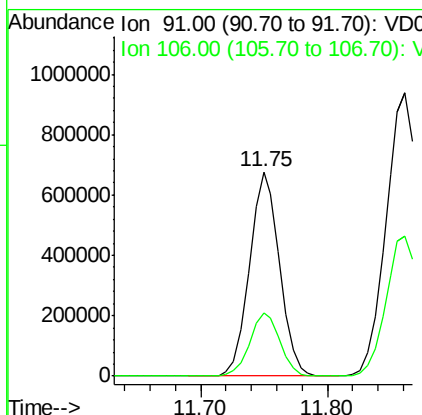
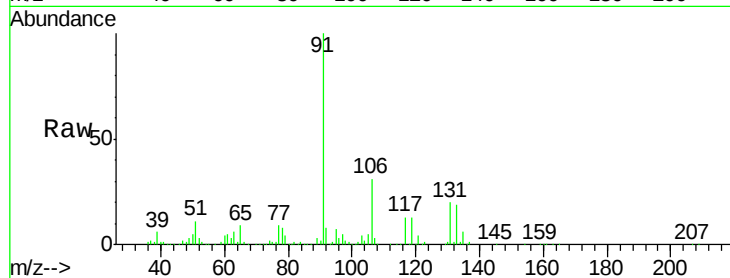
#67
Ethyl Benzene
Concen: 52.280 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1114227
Ion Ratio Lower Upper
91 100
106 31.0 24.3 36.5

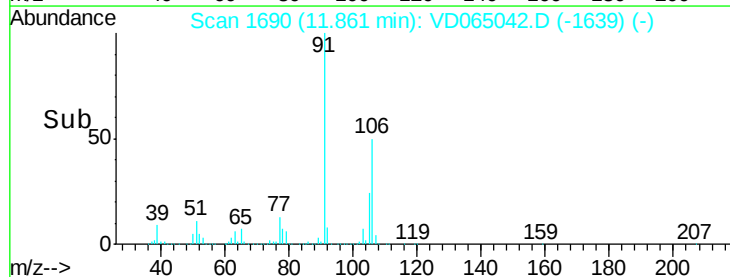
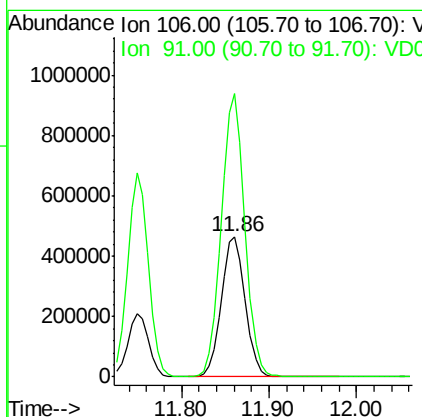
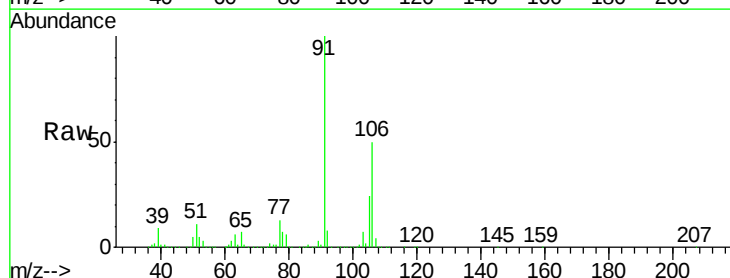
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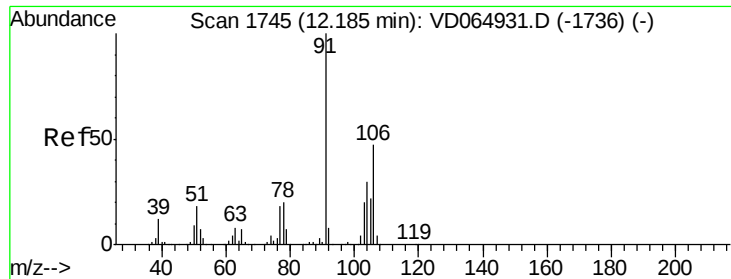
MMDadoda
2/3/2020 10:52:34 AM



#68
m/p-Xylenes
Concen: 105.777 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Tgt Ion: 106 Resp: 867989
Ion Ratio Lower Upper
106 100
91 199.6 159.0 238.4





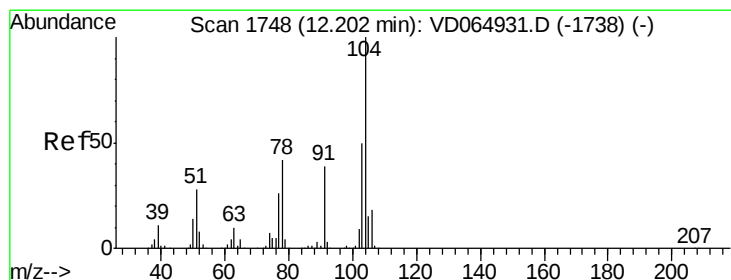
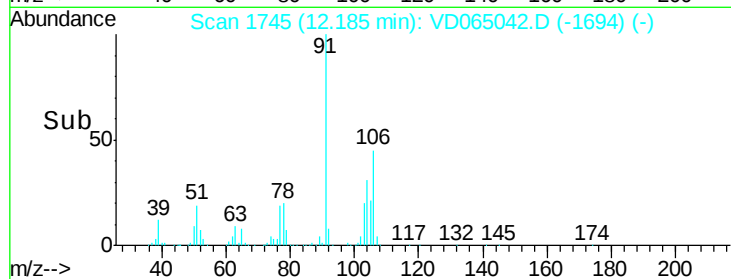
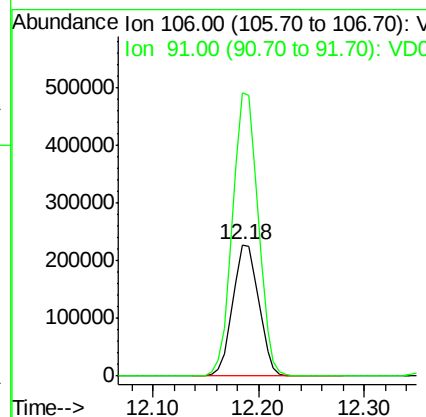
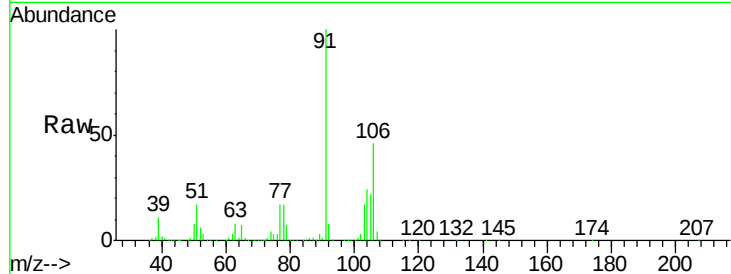
#69
o-Xylene
Concen: 53.318 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.6	106.7	319.9

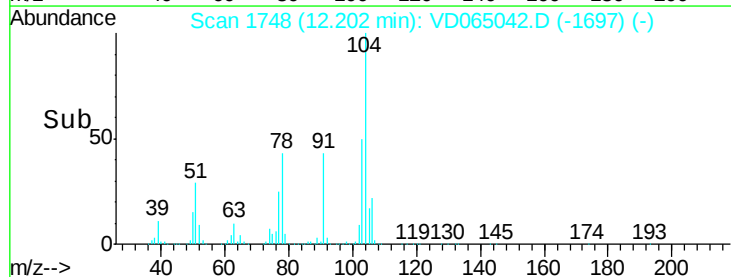
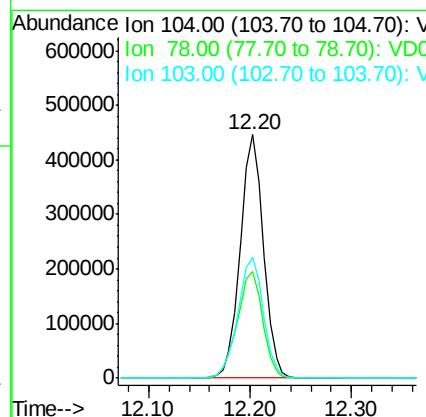
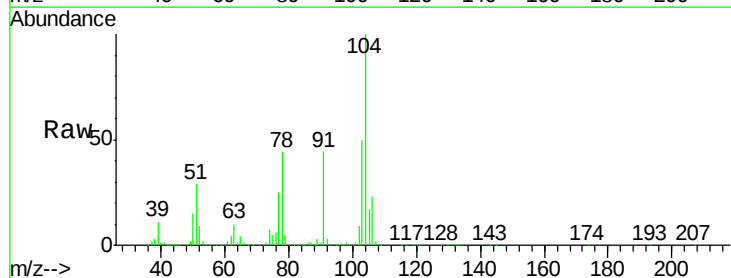
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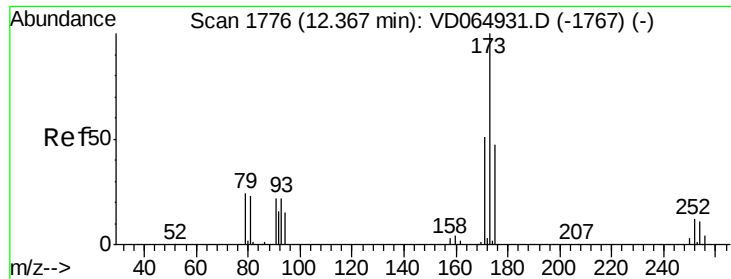
MMDadoda
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#70
Styrene
Concen: 54.666 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.3	57.5
103	54.4	43.5	65.3





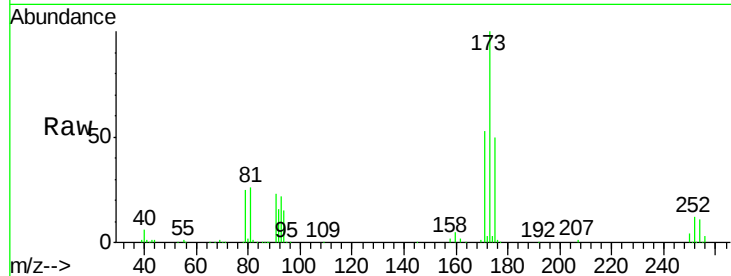
#71
Bromoform
Concen: 51.357 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.6	73.8
254	0.1	0.1	0.1#

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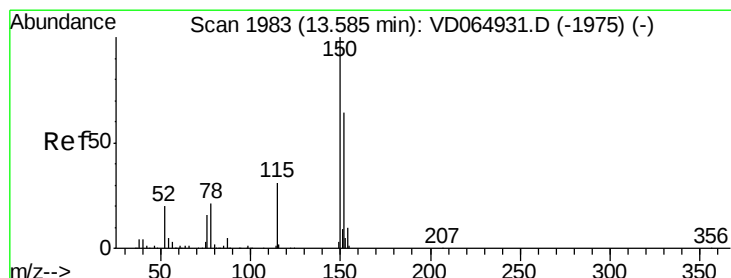
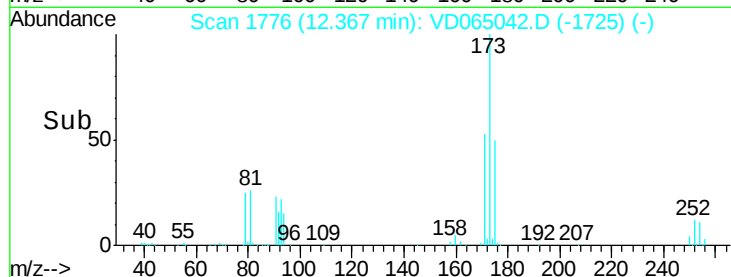
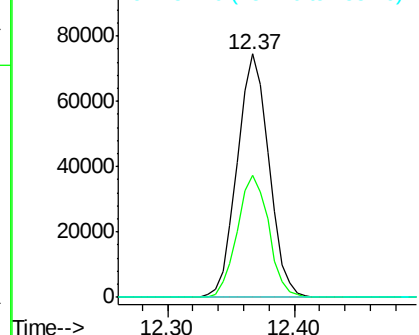


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

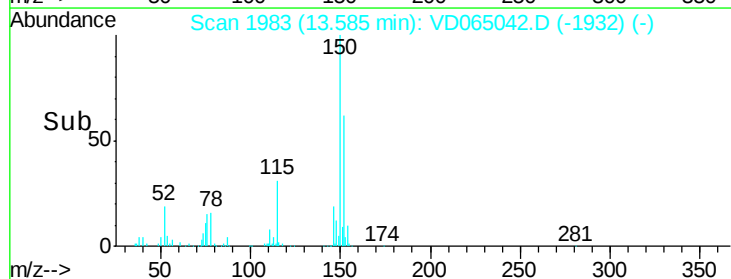
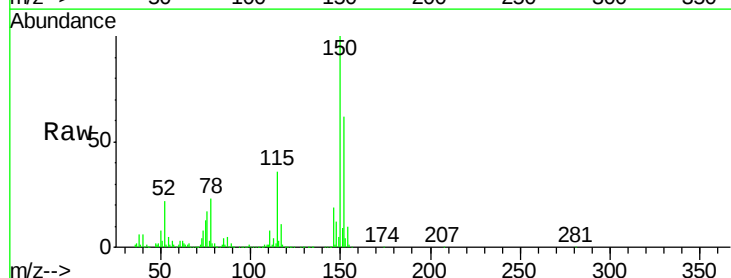
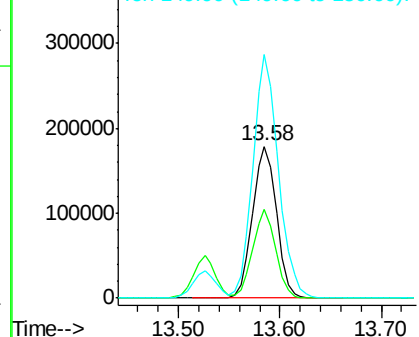
Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.1	84.4
150	170.7	0.0	350.4

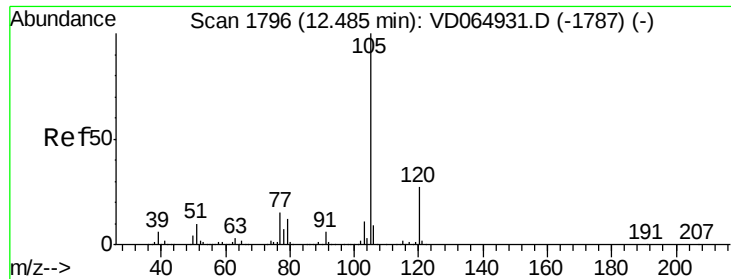
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





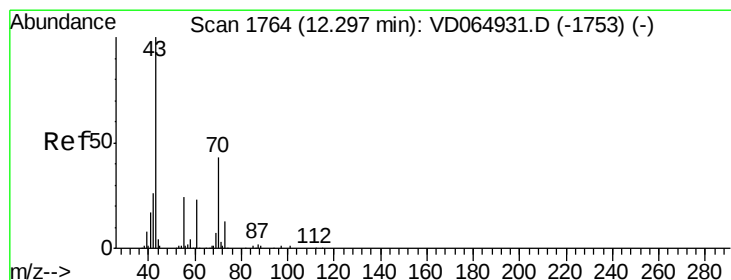
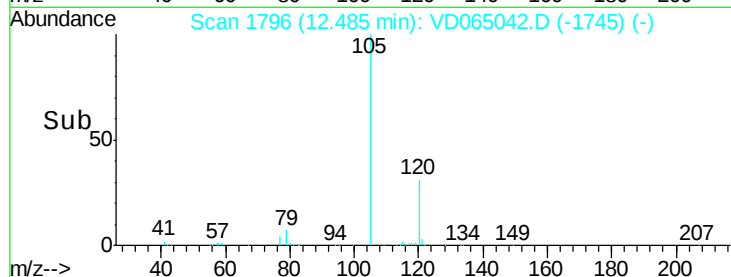
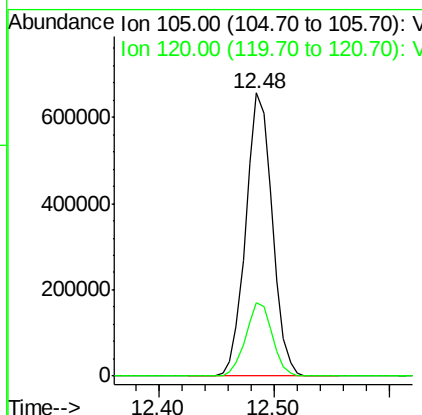
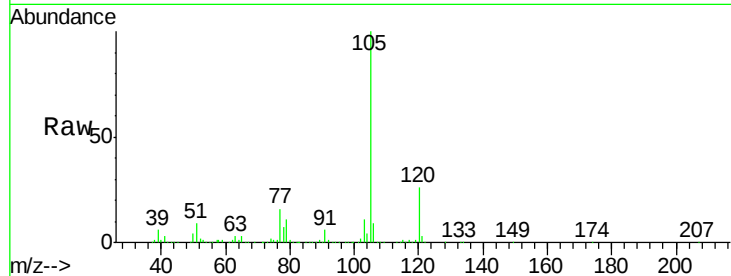
#73
Isopropylbenzene
Concen: 52.490 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 1048410
Ion Ratio Lower Upper
105 100
120 26.2 13.3 39.8

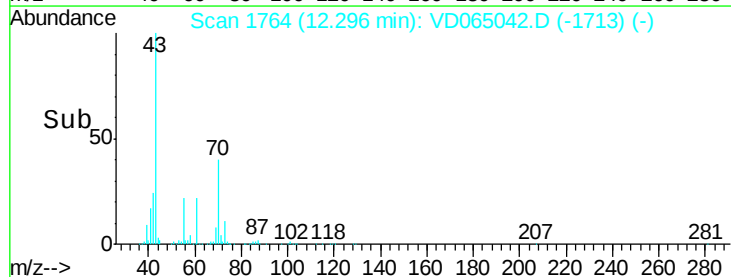
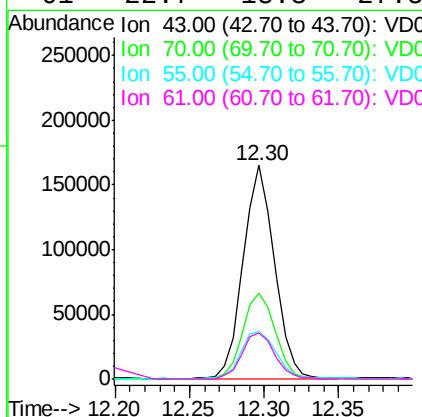
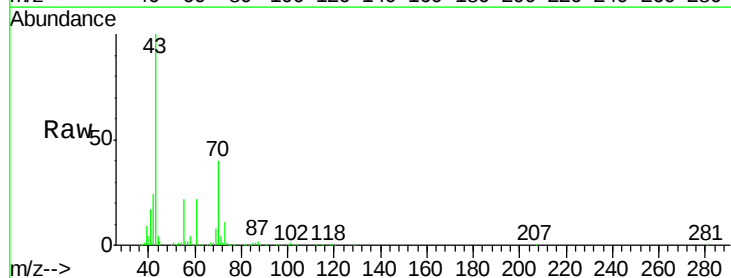
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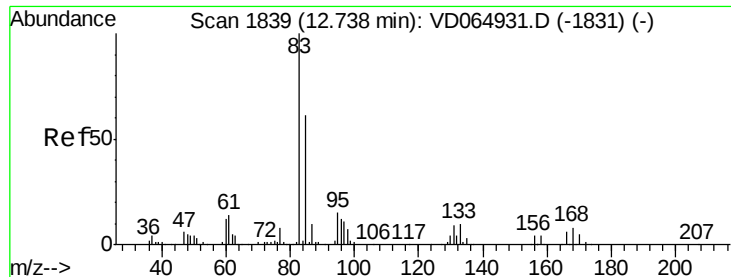
MMDadoda
2/3/2020 10:52:34 AM



#74
N-ethyl acetate
Concen: 53.728 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Tgt Ion: 43 Resp: 240136
Ion Ratio Lower Upper
43 100
70 42.3 32.6 49.0
55 25.2 19.9 29.9
61 22.7 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 51.143 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

Instrument :

MSVOA_D

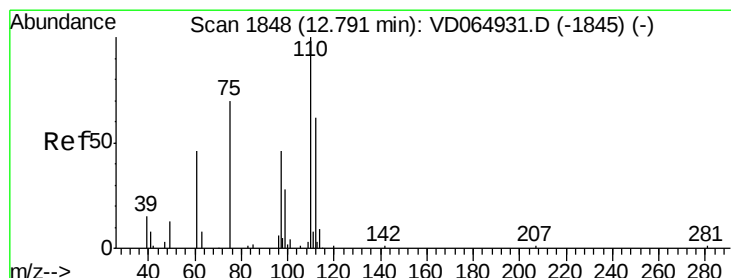
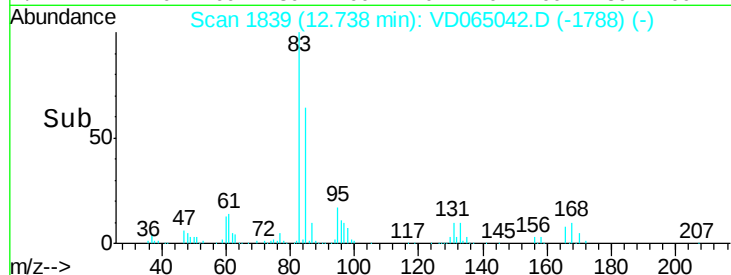
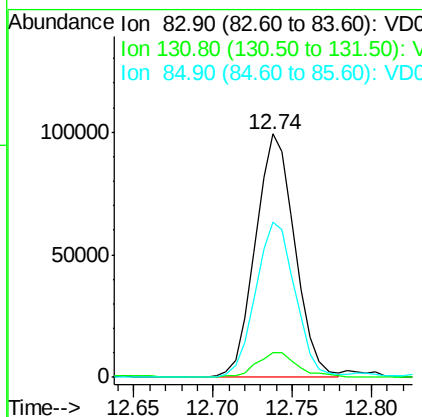
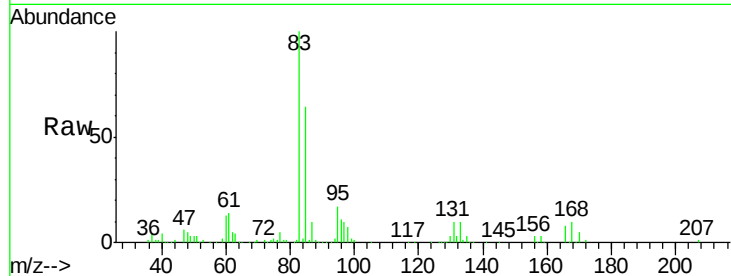
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	171685
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.4
85	64.1	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 50.329 ug/l m

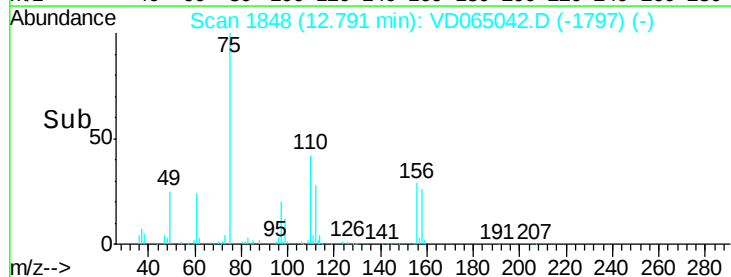
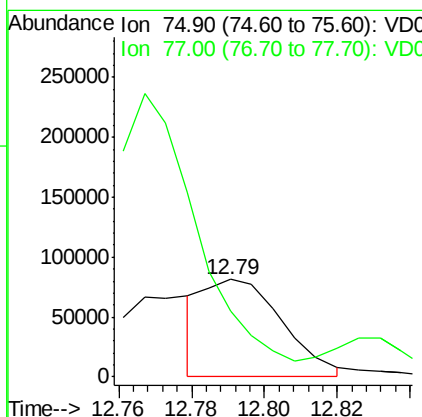
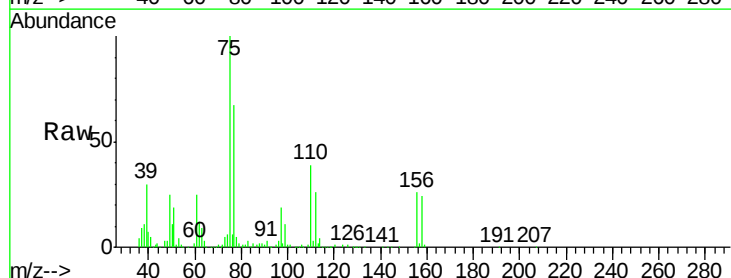
RT: 12.79 min Scan# 1848

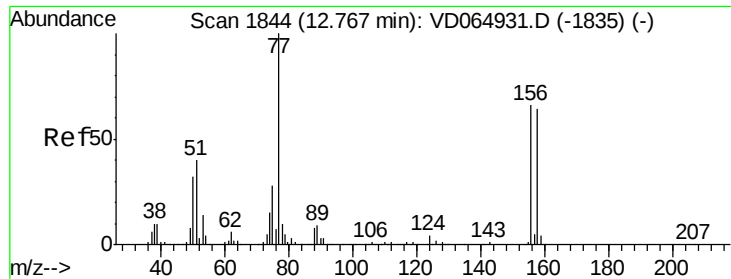
Delta R.T. -0.00 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

Tgt Ion:	75	Resp:	122074
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.250 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

Instrument :

MSVOA_D

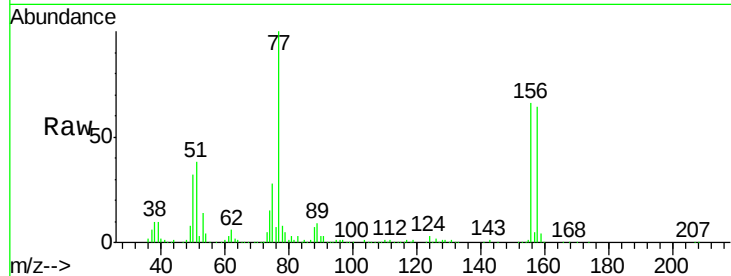
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	255350
Ion Ratio	Lower	Upper	
156	100		
77	166.1	84.2	252.5
158	97.0	48.1	144.4

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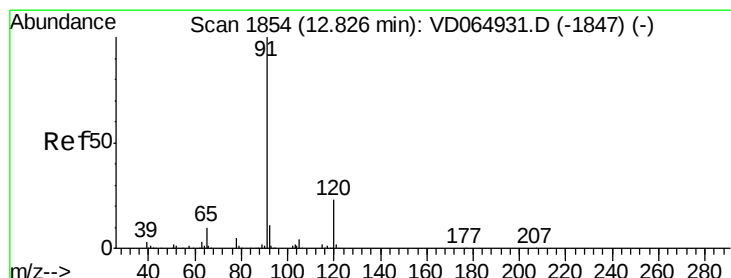
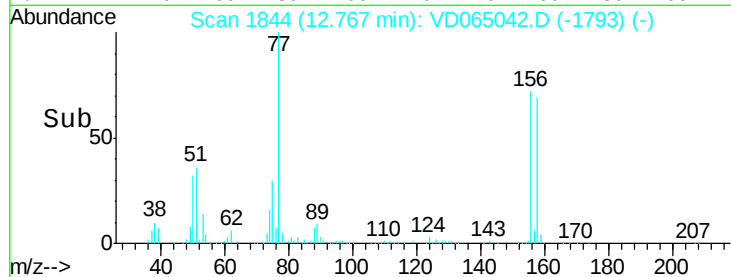
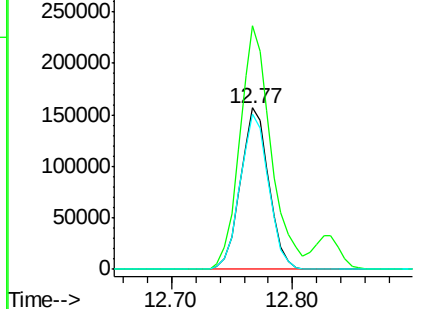
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.998 ug/l

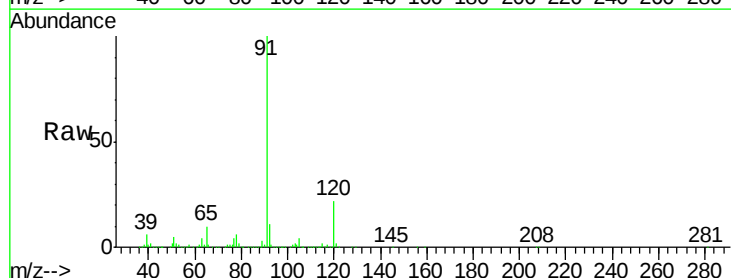
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065042.D

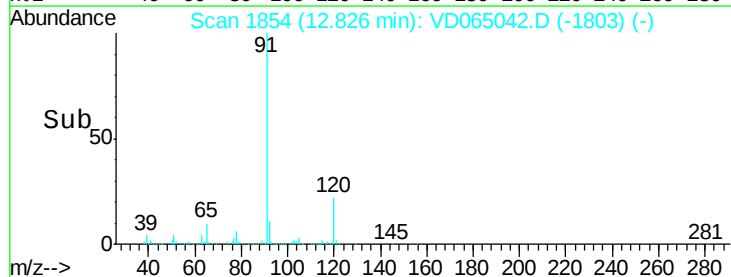
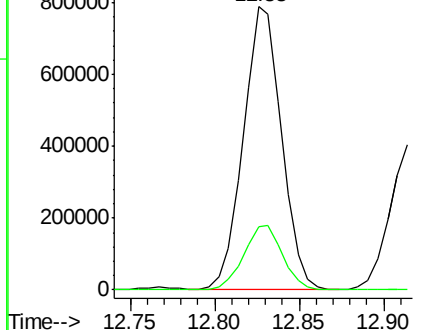
Acq: 31 Jan 2020 19:10

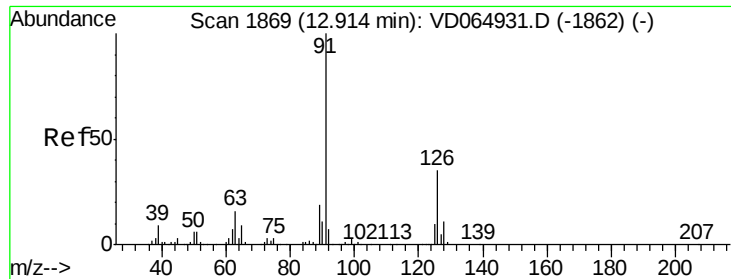
Tgt Ion:	91	Resp:	1235134
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.7	35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.219 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 680459

Ion Ratio Lower Upper

91 100

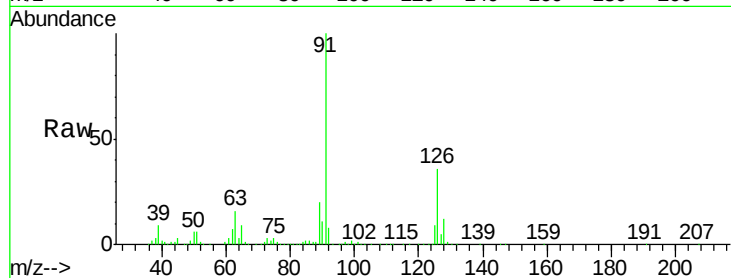
126 35.1 17.9 53.8

Manual Integrations

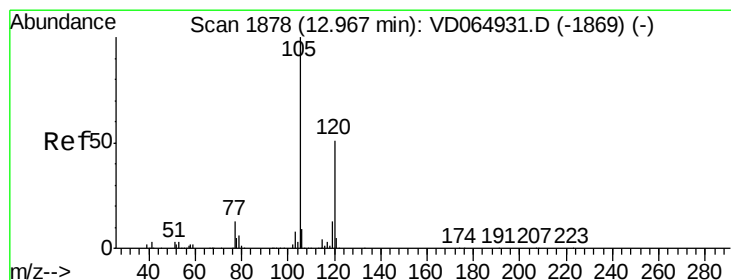
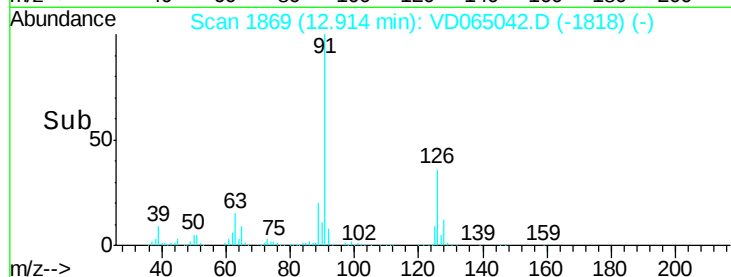
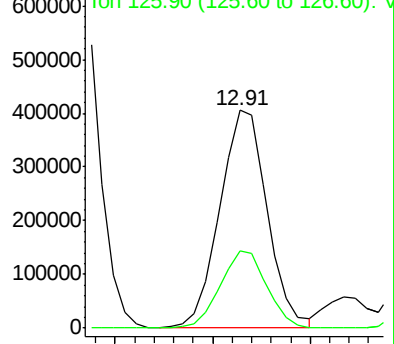
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Abundance Ion 91.00 (90.70 to 91.70): VD064931.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.402 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065042.D

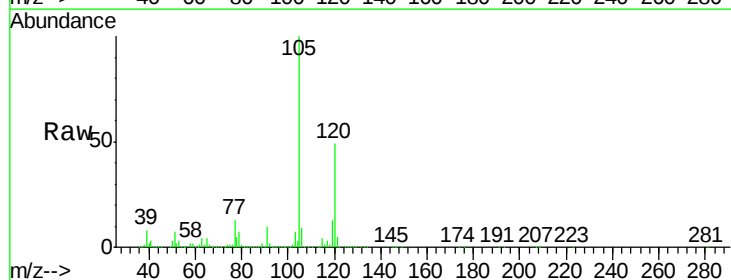
Acq: 31 Jan 2020 19:10

Tgt Ion: 105 Resp: 874093

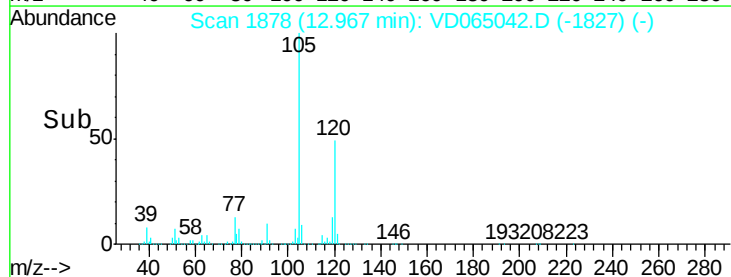
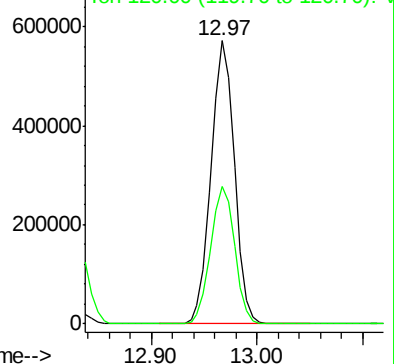
Ion Ratio Lower Upper

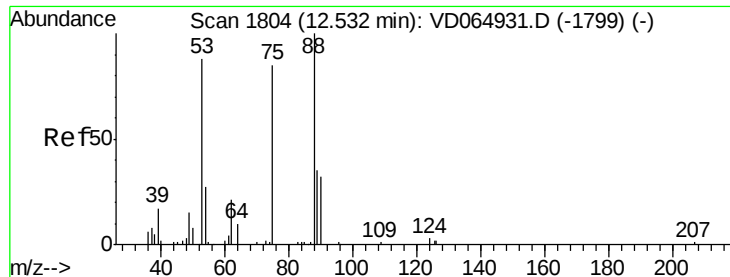
105 100

120 50.1 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VD064931.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.541 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 56276

Ion Ratio Lower Upper

75 100

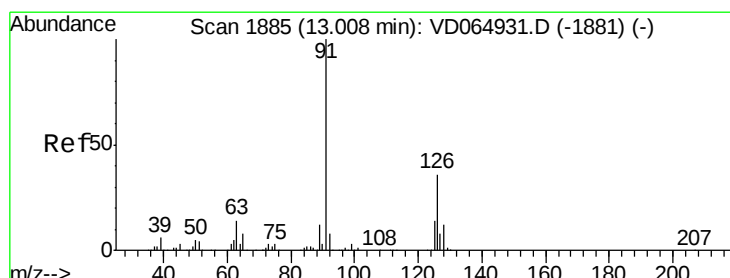
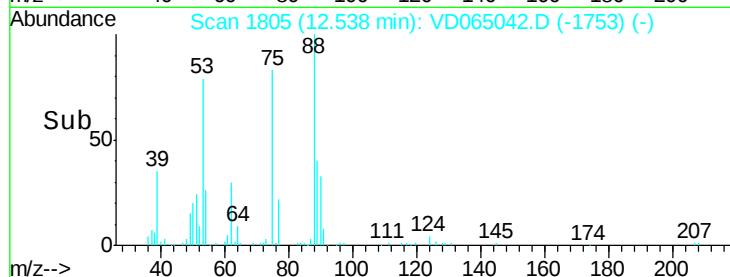
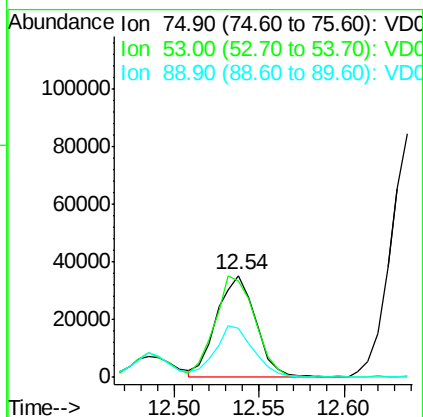
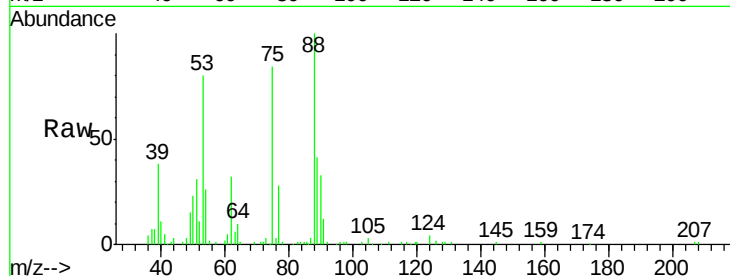
53 103.3 81.0 121.4

89 50.0 36.2 54.4

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#82

4-Chlorotoluene

Concen: 51.892 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD065042.D

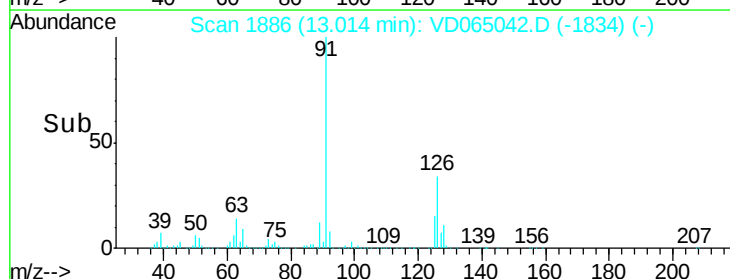
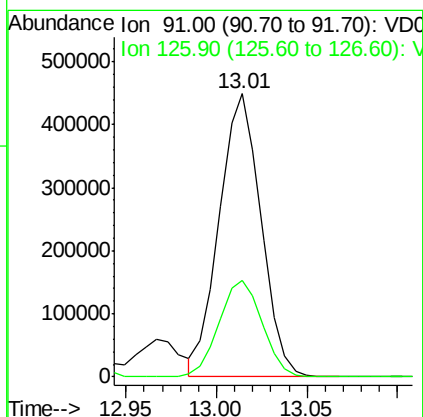
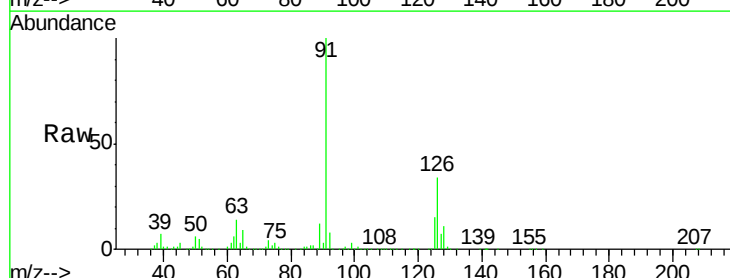
Acq: 31 Jan 2020 19:10

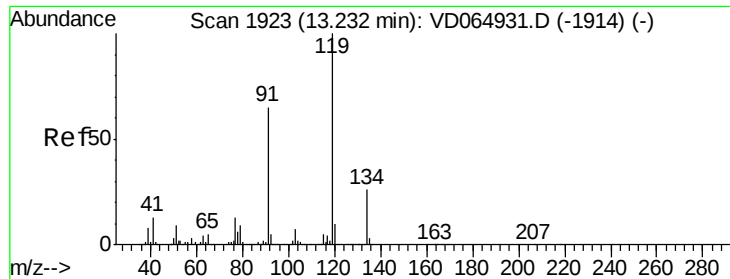
Tgt Ion: 91 Resp: 717115

Ion Ratio Lower Upper

91 100

126 35.2 18.0 54.0





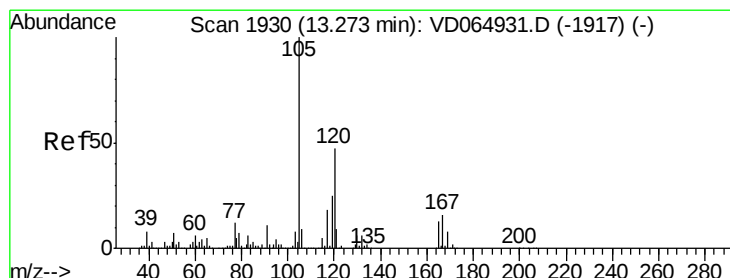
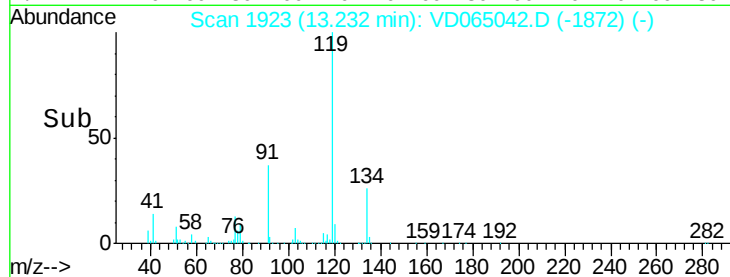
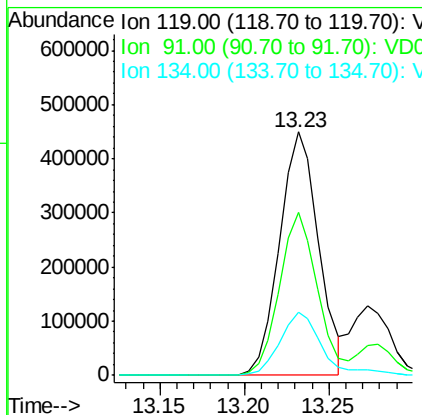
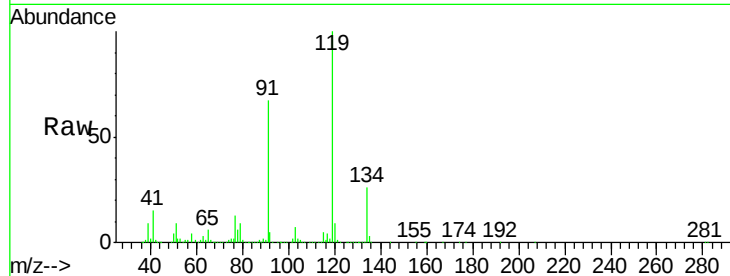
#83
 tert-Butylbenzene
 Concen: 51.865 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065042.D
 Acq: 31 Jan 2020 19:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.5	32.0	96.0
134	27.9	13.9	41.6

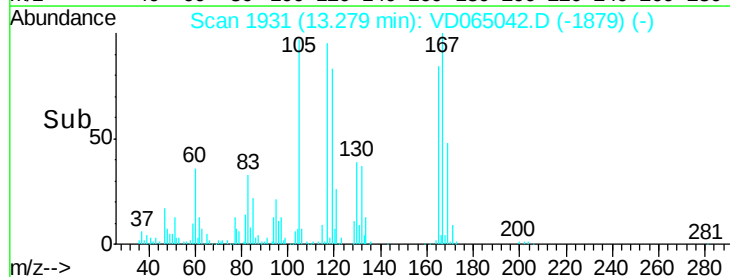
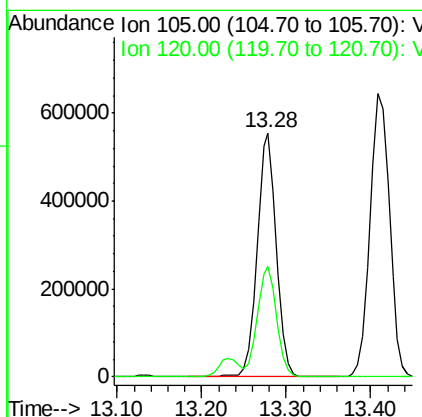
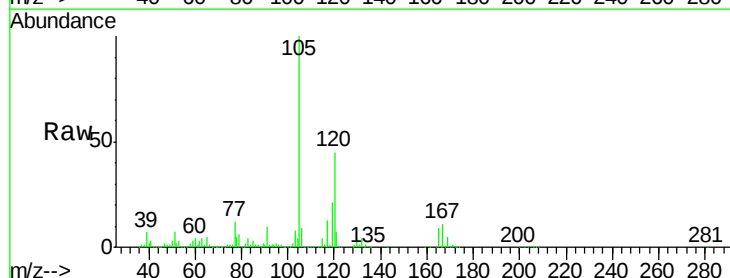
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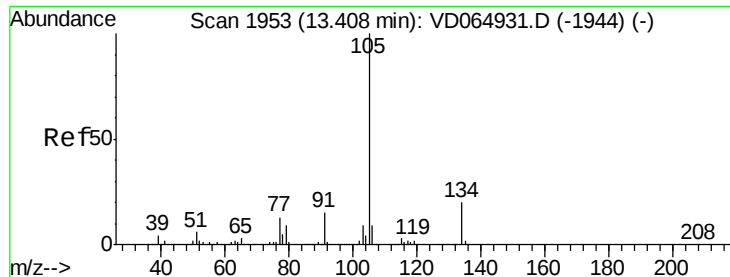
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.135 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD065042.D
 Acq: 31 Jan 2020 19:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.1	69.3





#85

sec-Butylbenzene

Concen: 52.139 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1025461

Ion Ratio Lower Upper

105 100

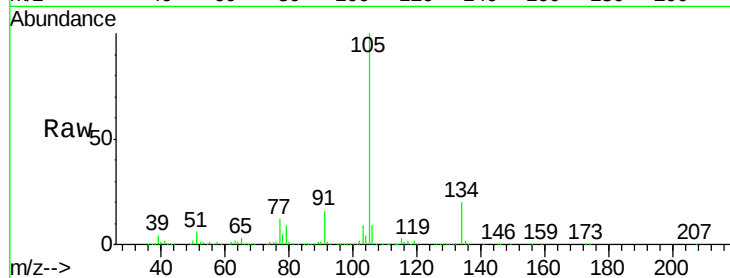
134 20.6 10.4 31.4

Manual Integrations

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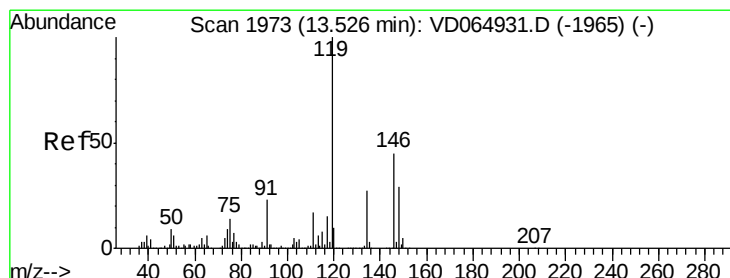
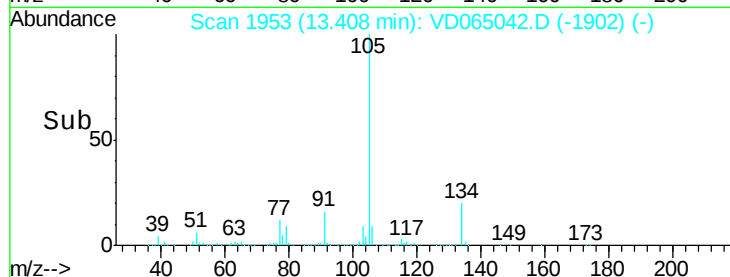
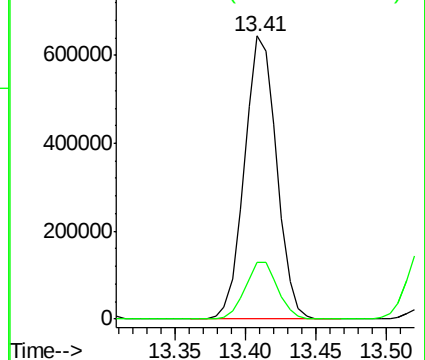
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.658 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

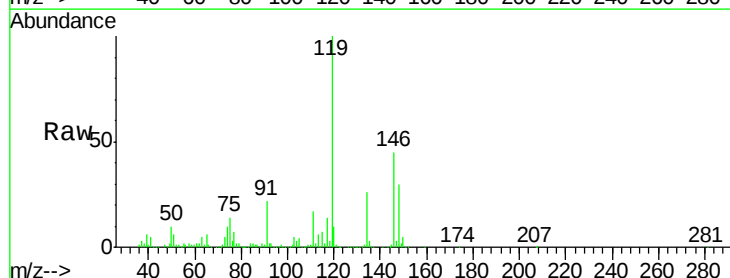
Tgt Ion:119 Resp: 969128

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

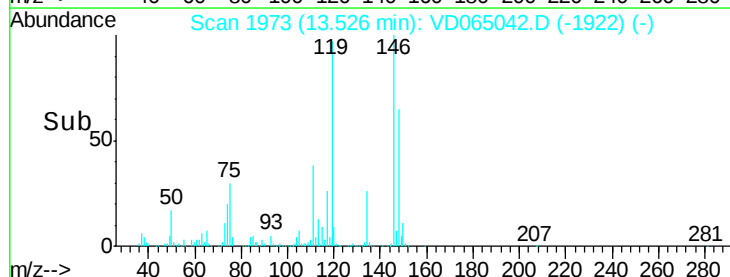
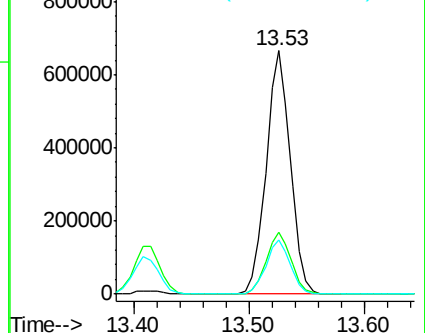
91 22.4 11.4 34.2

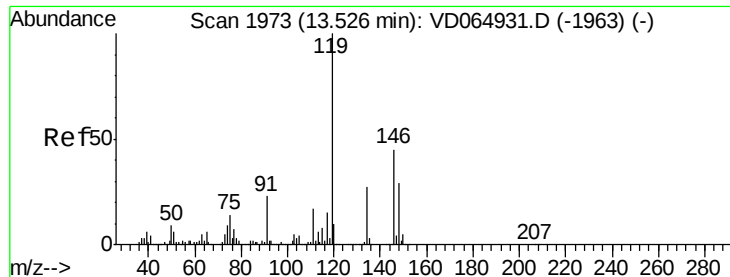


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.839 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065042.D

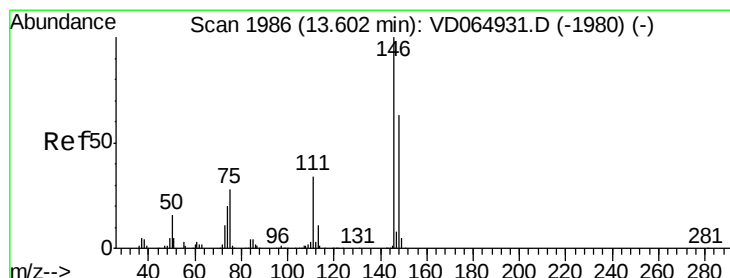
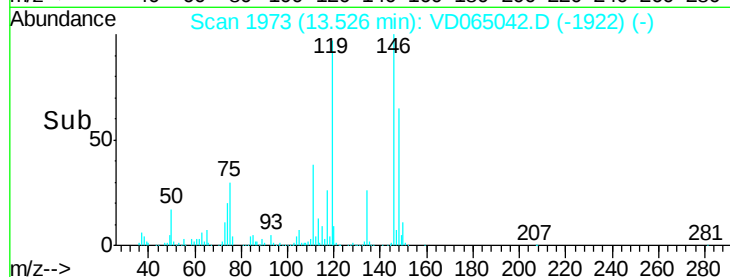
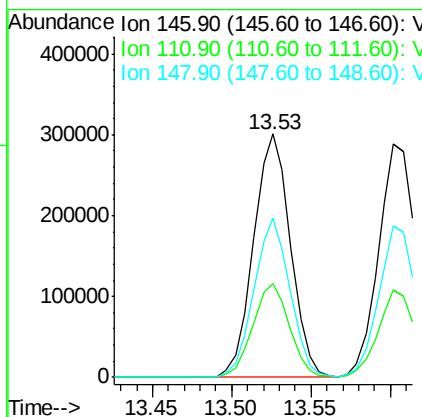
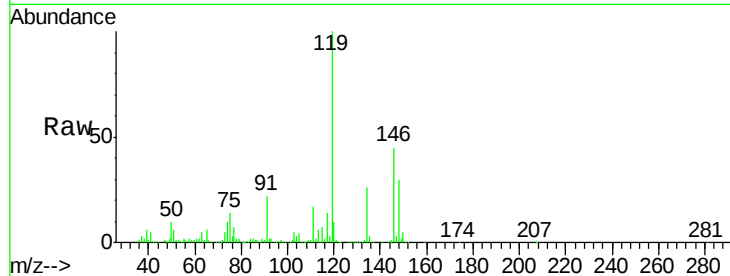
Acq: 31 Jan 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.9	56.9
148	63.8	32.6	97.7

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#88

1,4-Dichlorobenzene

Concen: 50.888 ug/l

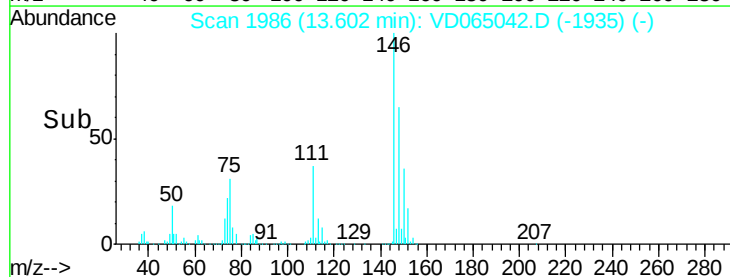
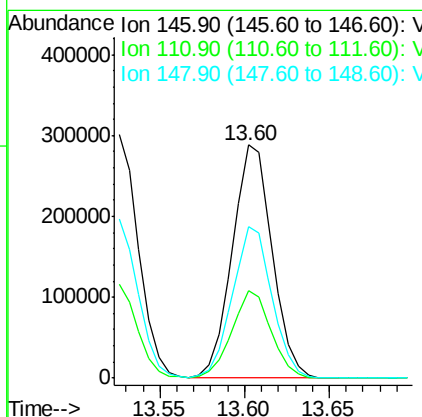
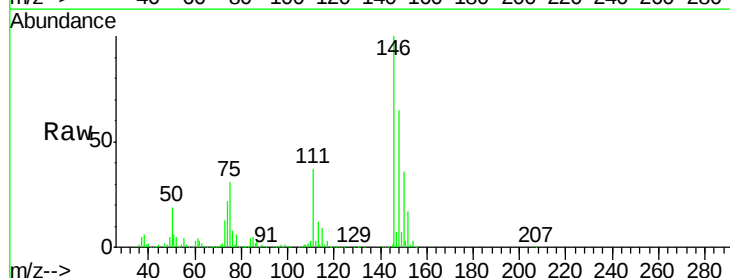
RT: 13.60 min Scan# 1986

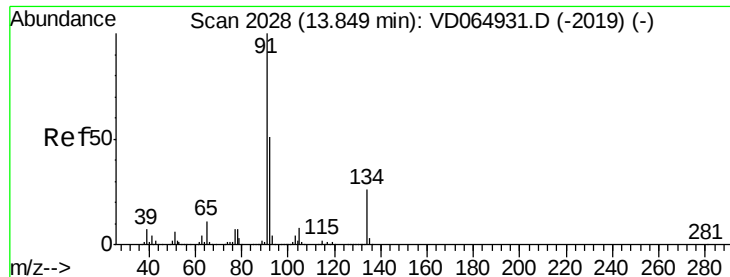
Delta R.T. -0.00 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.2	54.6
148	64.4	32.0	96.0





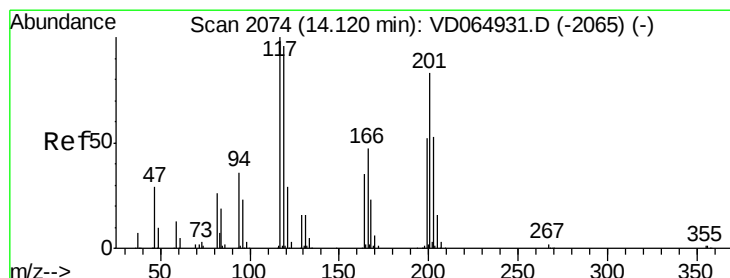
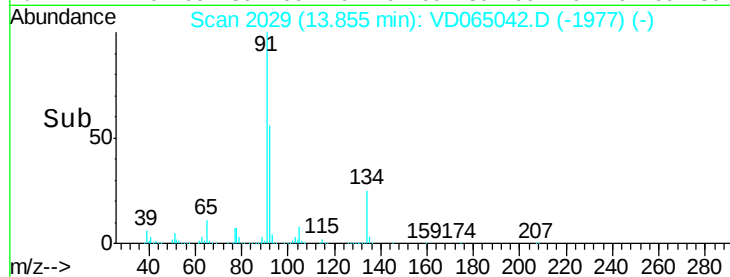
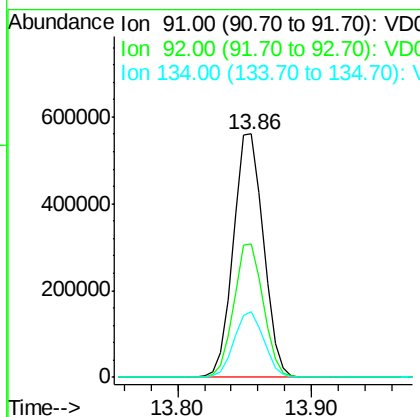
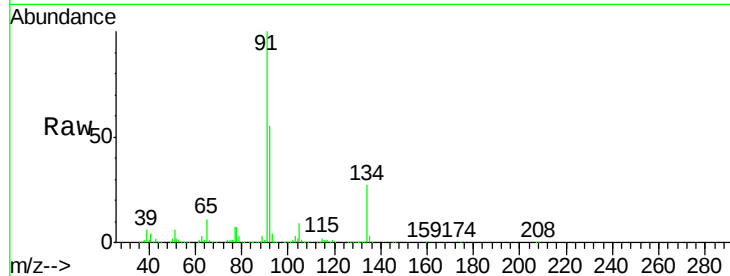
#89
n-Butylbenzene
Concen: 52.592 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.4	79.0
134	26.6	13.3	39.9

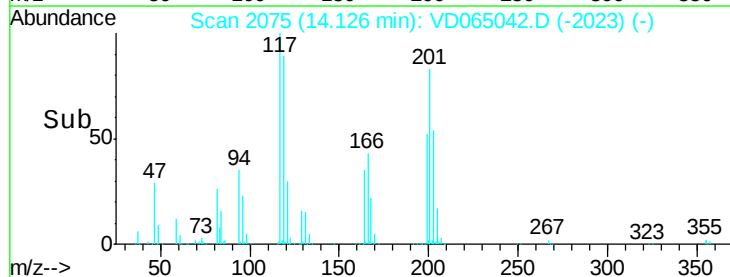
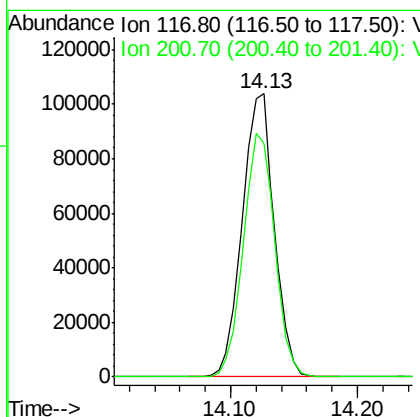
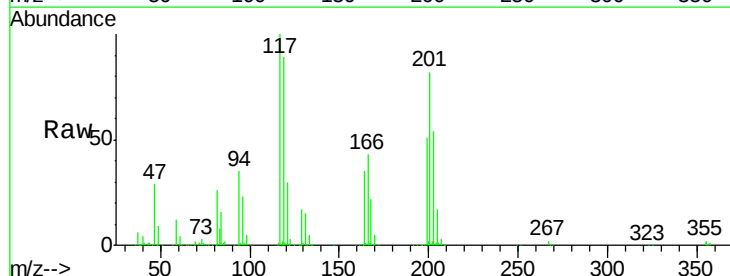
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#90
Hexachloroethane
Concen: 51.304 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065042.D
Acq: 31 Jan 2020 19:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.3	41.1	123.3





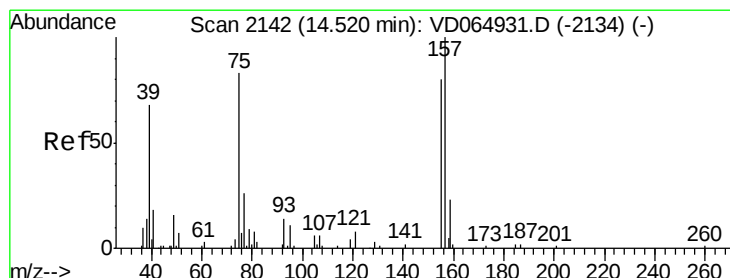
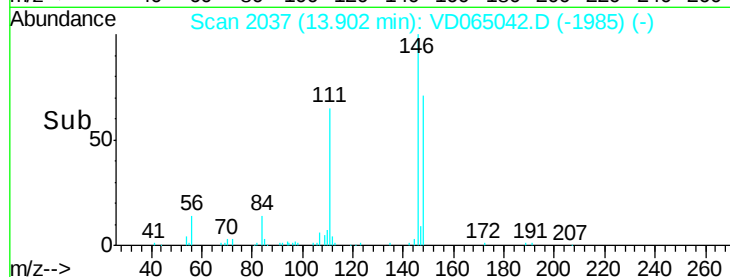
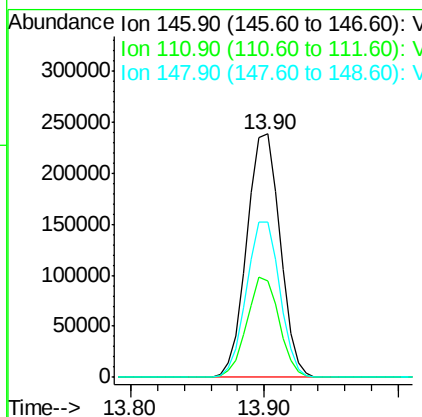
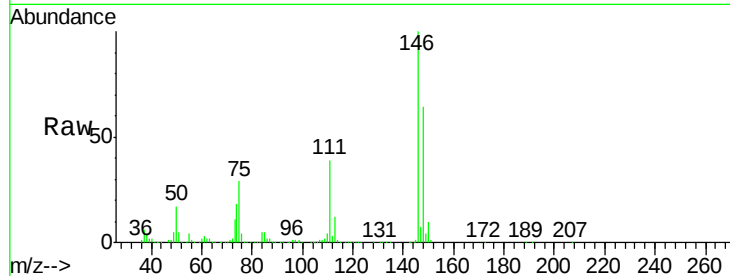
#91
 1,2-Dichlorobenzene
 Concen: 51.707 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD065042.D
 Acq: 31 Jan 2020 19:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.4	58.2
148	64.0	31.6	95.0

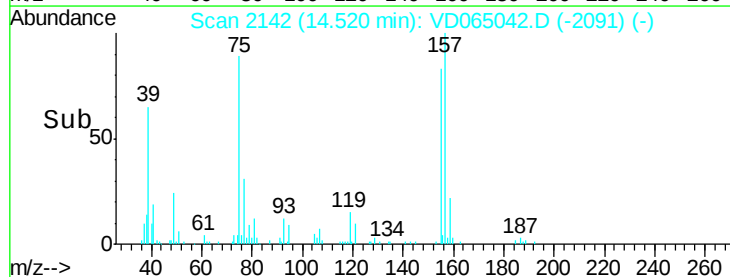
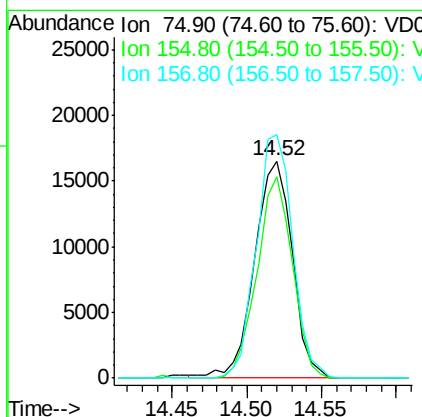
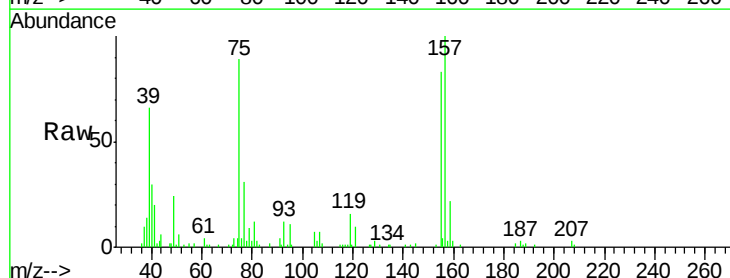
Manual Integrations
 APPROVED

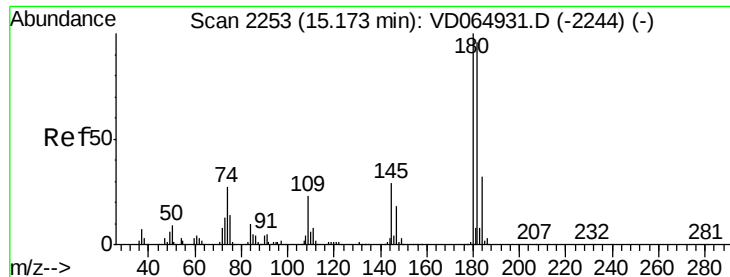
MMDadoda
 2/3/2020 10:52:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.864 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065042.D
 Acq: 31 Jan 2020 19:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.7	44.9	134.7
157	107.9	58.9	176.6





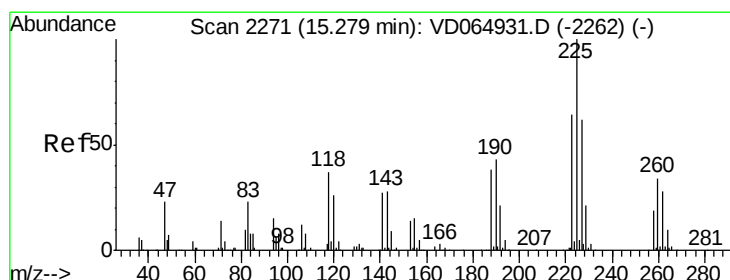
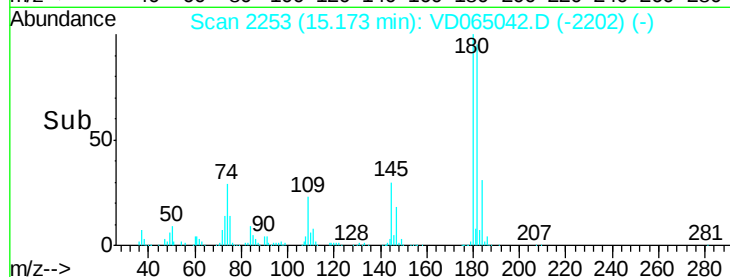
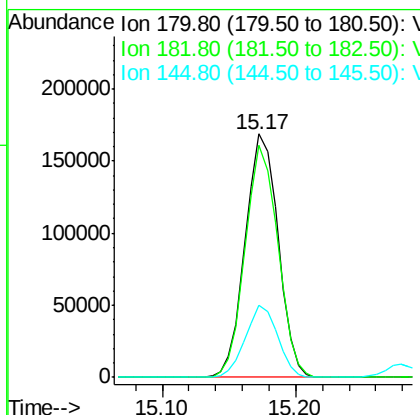
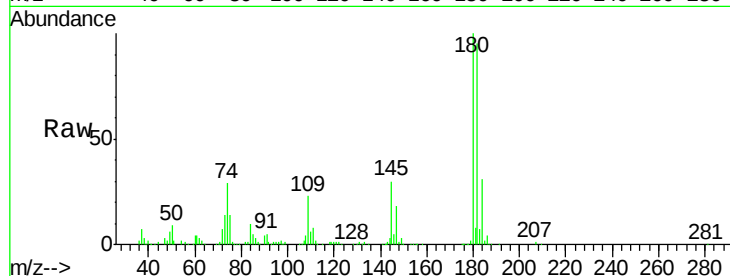
#93
 1,2,4-Trichlorobenzene
 Concen: 52.344 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065042.D
 Acq: 31 Jan 2020 19:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	288273		
182	94.9	47.1	141.4	
145	29.2	14.1	42.3	

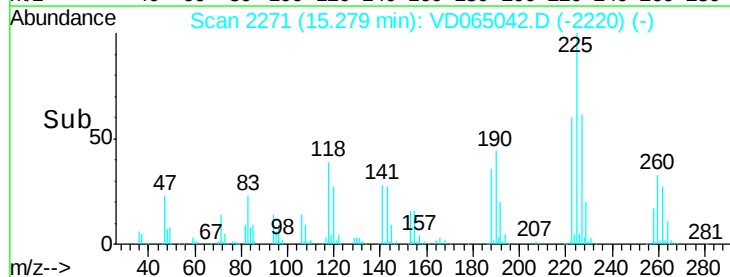
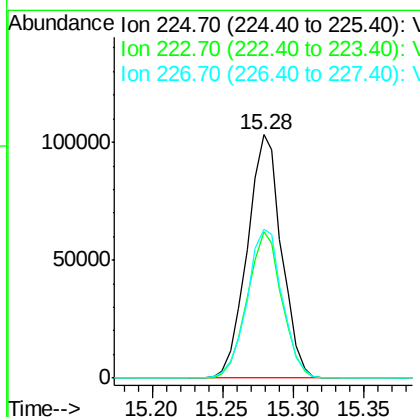
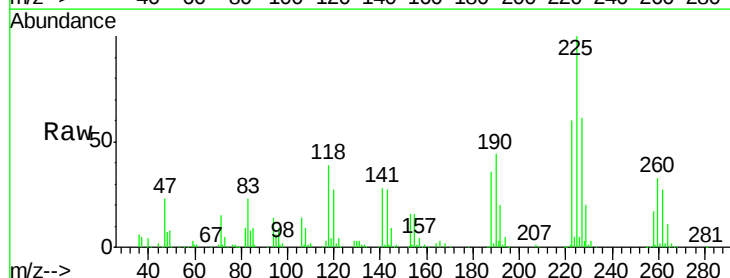
Manual Integrations
 APPROVED

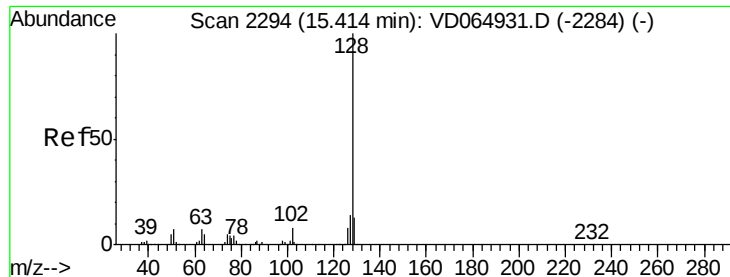
MMDadoda
 2/3/2020 10:52:34 AM



#94
 Hexachlorobutadiene
 Concen: 50.407 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065042.D
 Acq: 31 Jan 2020 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	175589		
223	60.7	32.4	97.2	
227	63.0	31.9	95.9	





#95

Naphthalene

Concen: 54.896 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

Instrument :

MSVOA_D

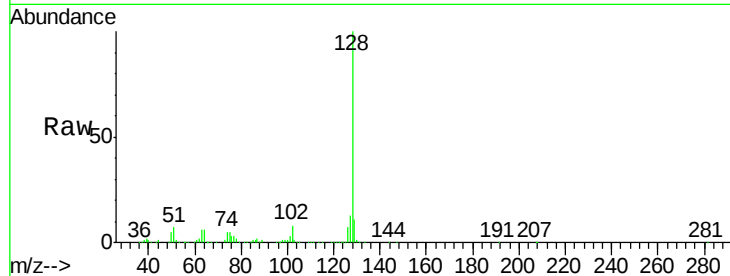
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	487916
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	15.8
129	11.3	9.3	13.9

Manual Integrations
APPROVED

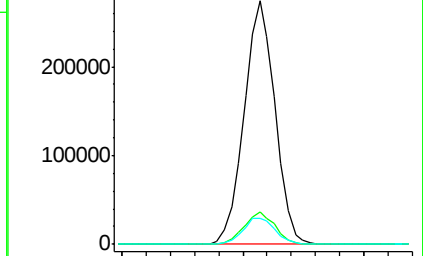
MMDadoda
2/3/2020 10:52:34 AM



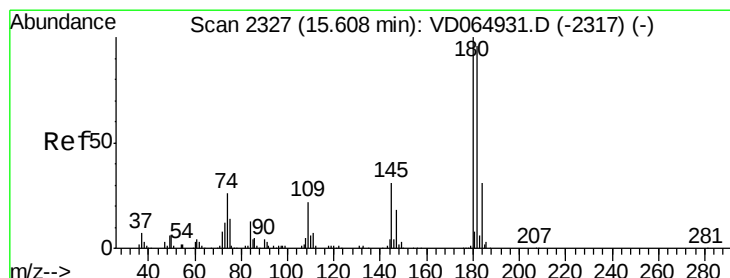
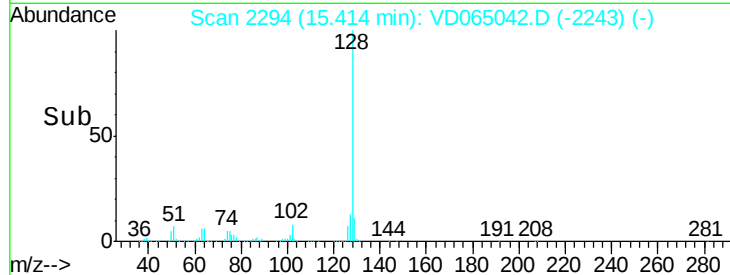
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time--> 15.30 15.40 15.50



#96

1,2,3-Trichlorobenzene

Concen: 52.499 ug/l

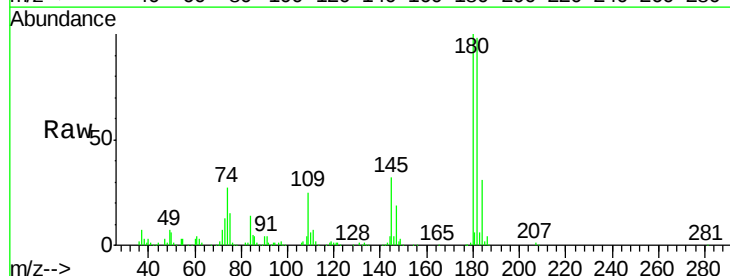
RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065042.D

Acq: 31 Jan 2020 19:10

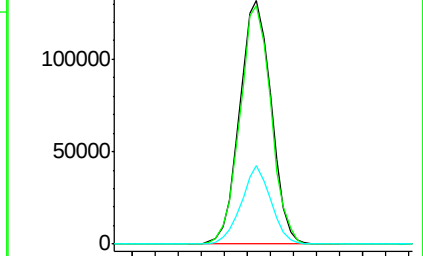
Tgt Ion:	180	Resp:	250687
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.3	141.8
145	30.1	14.6	43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time--> 15.50 15.60 15.70

