

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013120\
 Data File : VD065024.D
 Acq On : 31 Jan 2020 10:17
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/3/2020 10:52:17 AM

Quant Time: Jan 31 13:03:27 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	496644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	698863	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	619088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	300283	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	234341	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
35) Dibromofluoromethane	7.92	113	226842	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
50) Toluene-d8	10.34	98	905762	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
62) 4-Bromofluorobenzene	12.64	95	278555	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	194410	51.961	ug/l	99
3) Chloromethane	2.21	50	250791	45.735	ug/l	95
4) Vinyl Chloride	2.35	62	294954	46.832	ug/l	98
5) Bromomethane	2.77	94	191064	45.098	ug/l	98
6) Chloroethane	2.93	64	193467	46.594	ug/l	100
7) Trichlorofluoromethane	3.27	101	464180	47.721	ug/l	99
8) Diethyl Ether	3.71	74	101751	46.338	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	233816	51.668	ug/l	99
10) Methyl Iodide	4.30	142	247025	51.425	ug/l	98
11) Tert butyl alcohol	5.24	59	54831	208.280	ug/l	99
12) 1,1-Dichloroethene	4.06	96	215636	49.879	ug/l	97
13) Acrolein	3.92	56	83703	253.630	ug/l	93
14) Allyl chloride	4.71	41	350775	50.873	ug/l	97
15) Acrylonitrile	5.43	53	220062	231.429	ug/l	99
16) Acetone	4.16	43	286965	255.478	ug/l	97
17) Carbon Disulfide	4.40	76	696422	48.947	ug/l	98
18) Methyl Acetate	4.72	43	98651	44.215	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	455038	47.107	ug/l	98
20) Methylene Chloride	4.96	84	236079	51.102	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	249680	50.128	ug/l	98
22) Diisopropyl ether	6.37	45	690314	50.236	ug/l	98
23) Vinyl Acetate	6.31	43	1953464	242.807	ug/l	99
24) 1,1-Dichloroethane	6.27	63	421990	50.017	ug/l	98
25) 2-Butanone	7.22	43	321761	250.002	ug/l	99
26) 2,2-Dichloropropane	7.21	77	394414	51.539	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	267095	50.241	ug/l	98
28) Bromochloromethane	7.55	49	170748	50.605	ug/l	98
29) Tetrahydrofuran	7.57	42	180894	227.797	ug/l	99
30) Chloroform	7.71	83	430835	49.400	ug/l	100
31) Cyclohexane	7.98	56	403640	48.633	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	407945	50.280	ug/l	99
36) 1,1-Dichloropropene	8.11	75	356913	52.962	ug/l	100
37) Ethyl Acetate	7.30	43	128482	46.157	ug/l	99
38) Carbon Tetrachloride	8.10	117	372780	52.336	ug/l	93

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Manual Integrations
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MMDadoda
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	425111	53.957	ug/l	99
40) Benzene	8.35	78	963793	51.928	ug/l	100
41) Methacrylonitrile	7.53	41	77847m	51.915	ug/l	
42) 1,2-Dichloroethane	8.43	62	273831	49.528	ug/l	99
43) Isopropyl Acetate	8.46	43	248657	47.027	ug/l	99
44) Trichloroethene	9.11	130	270058	51.990	ug/l	98
45) 1,2-Dichloropropane	9.39	63	229548	51.017	ug/l	97
46) Dibromomethane	9.48	93	120524	49.064	ug/l	98
47) Bromodichloromethane	9.67	83	331946	51.931	ug/l	99
48) Methyl methacrylate	9.46	41	119841	49.251	ug/l	98
49) 1,4-Dioxane	9.47	88	27060	949.809	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	639387	241.671	ug/l	99
52) Toluene	10.41	92	627219	52.416	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	303746	49.886	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	370946	52.035	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	160683	48.561	ug/l	97
56) Ethyl methacrylate	10.67	69	198095	50.064	ug/l	99
57) 1,3-Dichloropropane	10.95	76	282606	49.796	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	324877	247.137	ug/l	100
59) 2-Hexanone	10.99	43	494050	270.723	ug/l	98
60) Dibromochloromethane	11.14	129	218294	49.360	ug/l	98
61) 1,2-Dibromoethane	11.26	107	156129	49.003	ug/l	96
64) Tetrachloroethene	10.88	164	239593	53.556	ug/l	98
65) Chlorobenzene	11.68	112	638498	50.796	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	243064	51.417	ug/l	99
67) Ethyl Benzene	11.75	91	1191942	53.413	ug/l	99
68) m/p-Xylenes	11.86	106	927640	107.965	ug/l	100
69) o-Xylene	12.18	106	409387	53.687	ug/l	98
70) Styrene	12.20	104	730569	53.782	ug/l	99
71) Bromoform	12.37	173	124987	47.563	ug/l #	99
73) Isopropylbenzene	12.48	105	1127897	54.955	ug/l	99
74) N-amyl acetate	12.30	43	223096	48.577	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	168267	48.780	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	135515m	54.372	ug/l	
77) Bromobenzene	12.77	156	258564	51.489	ug/l	99
78) n-propylbenzene	12.83	91	1345404	55.121	ug/l	99
79) 2-Chlorotoluene	12.91	91	719049	53.701	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	920189	54.710	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	58385	50.019	ug/l	98
82) 4-Chlorotoluene	13.01	91	754416	53.128	ug/l	99
83) tert-Butylbenzene	13.23	119	779777	54.632	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	917503	53.850	ug/l	100
85) sec-Butylbenzene	13.41	105	1096369	54.250	ug/l	99
86) p-Isopropyltoluene	13.53	119	1039235	54.953	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	506437	52.561	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	483665	50.576	ug/l	99
89) n-Butylbenzene	13.86	91	958003	55.509	ug/l	99
90) Hexachloroethane	14.12	117	193792	53.138	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	417090	50.990	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25978	47.059	ug/l	99

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VSTDCCC050

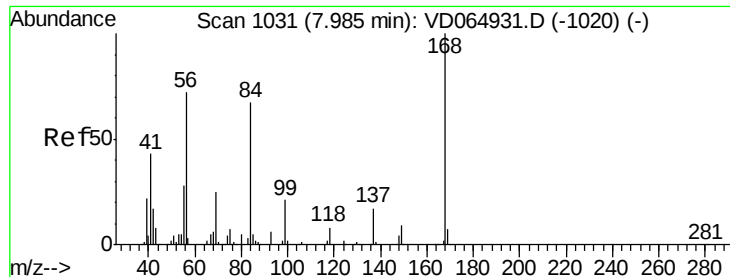
Manual Integrations
APPROVED

MMDadoda
2/3/2020 10:52:17 AM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	283096	50.026	ug/l	97
94) Hexachlorobutadiene	15.28	225	184096	51.431	ug/l	99
95) Naphthalene	15.41	128	453723	49.680	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	246629	50.264	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 496644

Ion Ratio Lower Upper

168 100

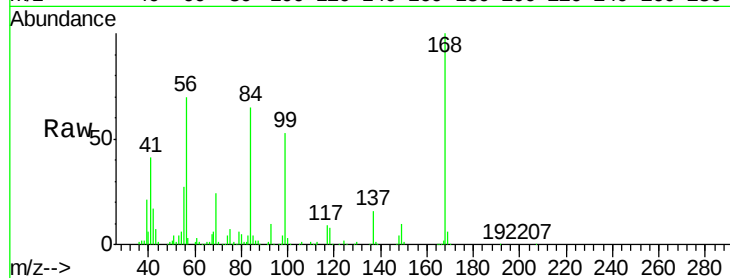
99 52.9 43.3 64.9

Manual Integrations

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2/3/2020 10:52:17 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

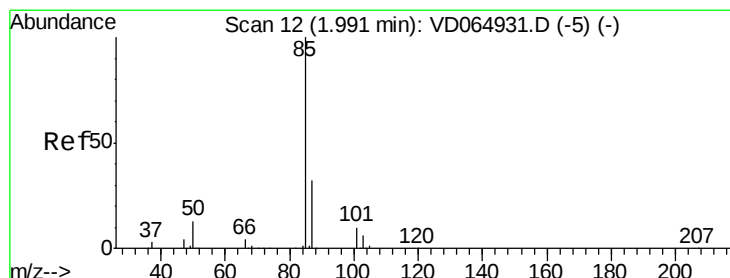
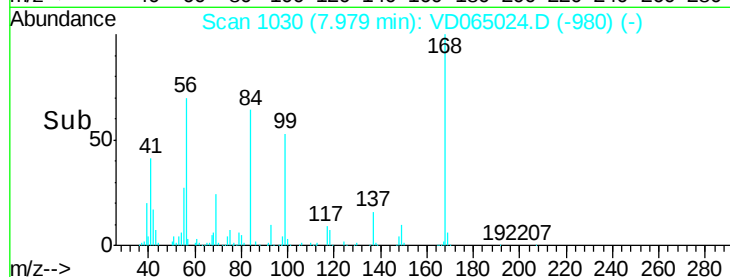
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.961 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065024.D

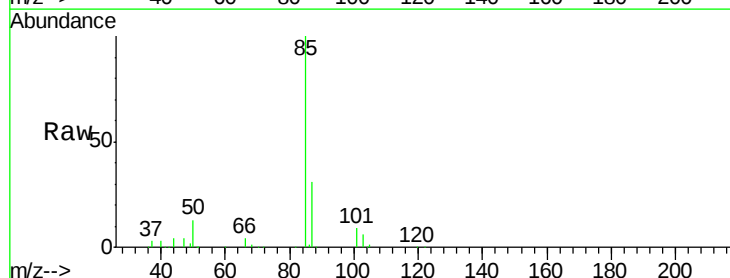
Acq: 31 Jan 2020 10:17

Tgt Ion: 85 Resp: 194410

Ion Ratio Lower Upper

85 100

87 30.7 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

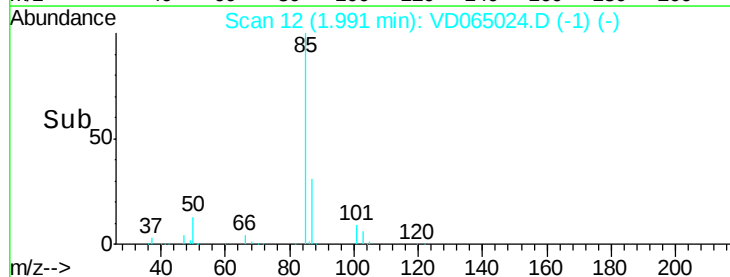
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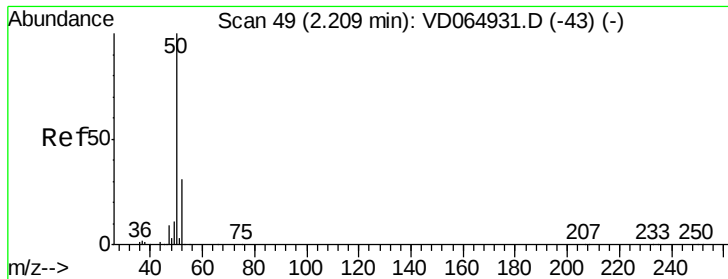
100000

50000

0

Time-->





#3

Chloromethane

Concen: 45.735 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 250791

Ion Ratio Lower Upper

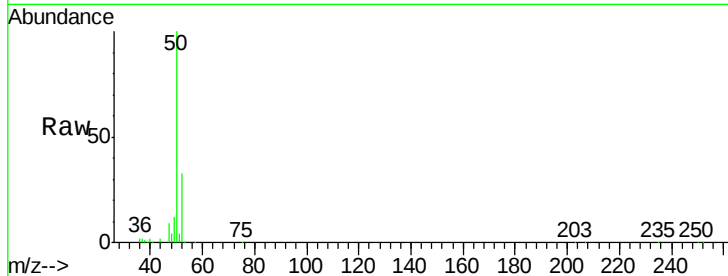
50 100

52 33.2 24.6 36.8

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

150000

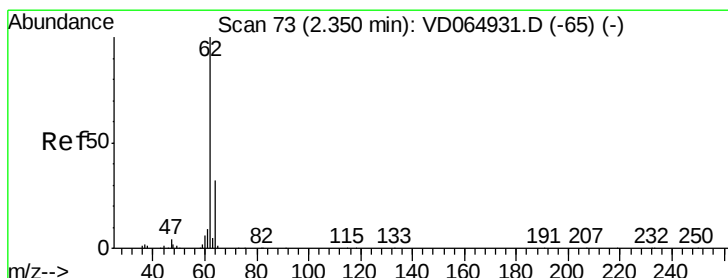
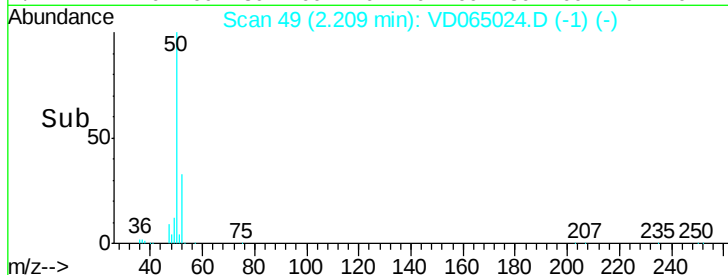
100000

50000

0

2.15 2.20 2.25 2.30

Time-->



#4

Vinyl Chloride

Concen: 46.832 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065024.D

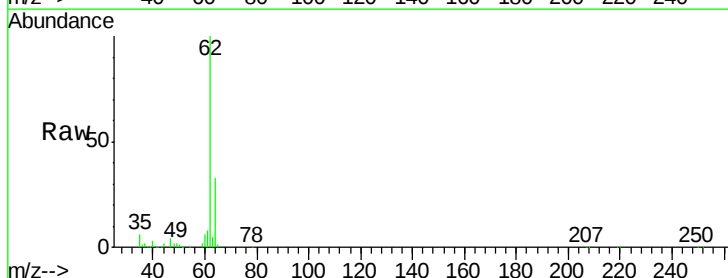
Acq: 31 Jan 2020 10:17

Tgt Ion: 62 Resp: 294954

Ion Ratio Lower Upper

62 100

64 33.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

200000

150000

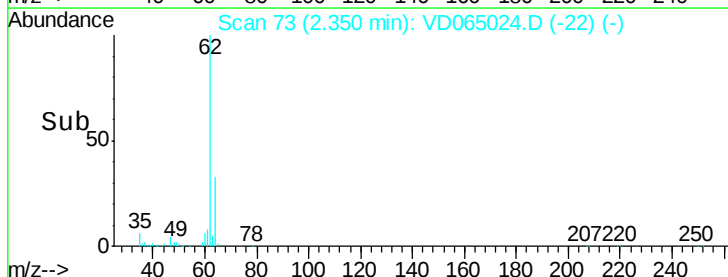
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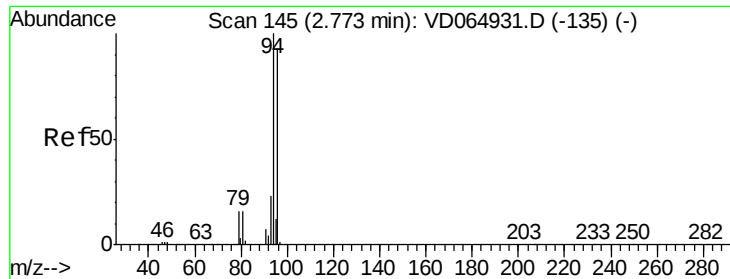
50000

0

2.30 2.35 2.40

Time-->





#5

Bromomethane

Concen: 45.098 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 191064

Ion Ratio Lower Upper

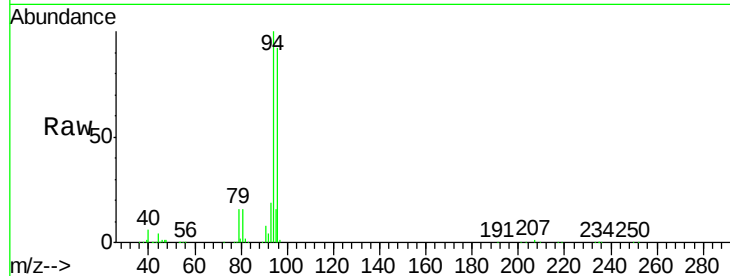
94 100

96 91.6 74.6 111.8

Manual Integrations
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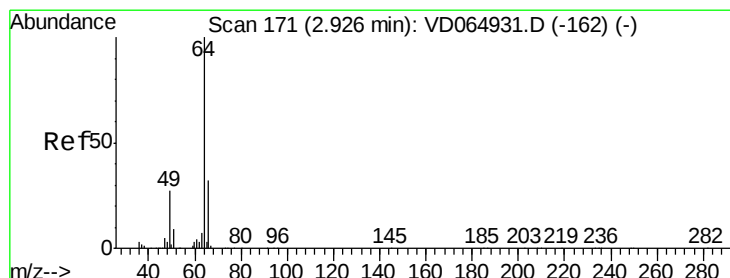
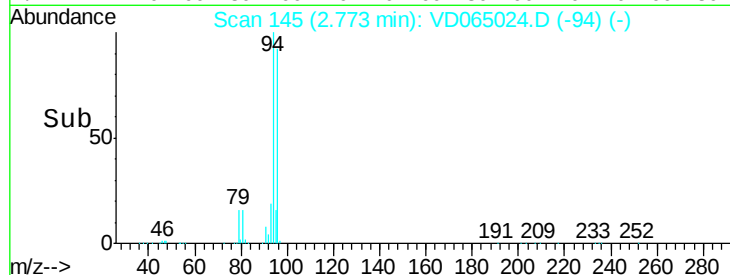
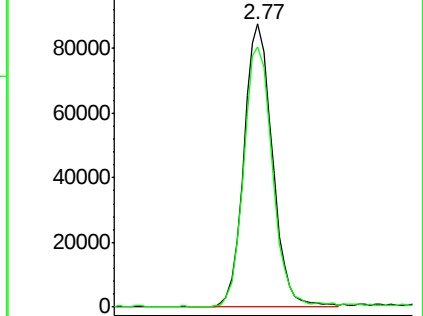
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2/3/2020 10:52:17 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 46.594 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065024.D

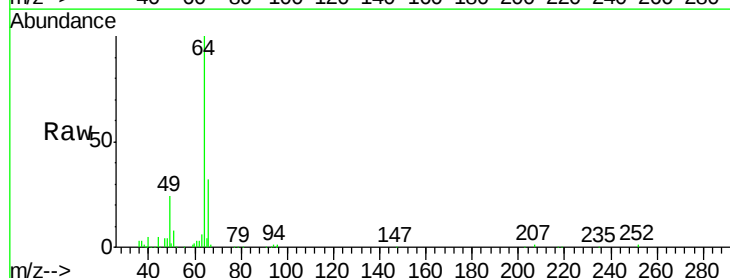
Acq: 31 Jan 2020 10:17

Tgt Ion: 64 Resp: 193467

Ion Ratio Lower Upper

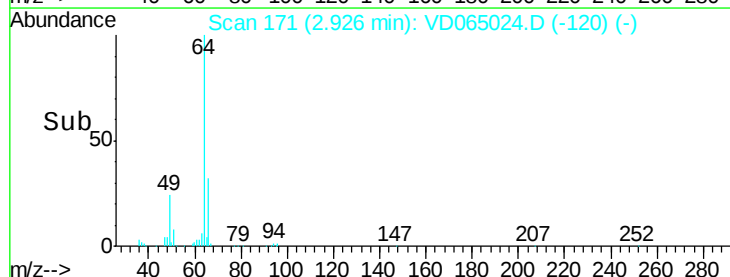
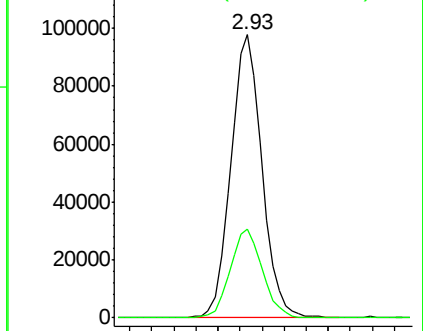
64 100

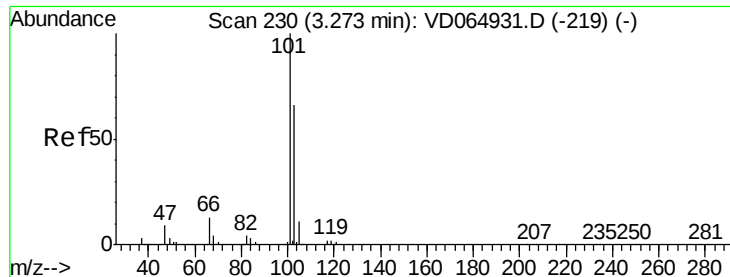
66 31.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

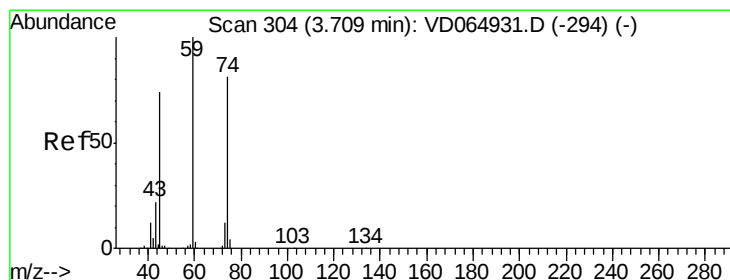
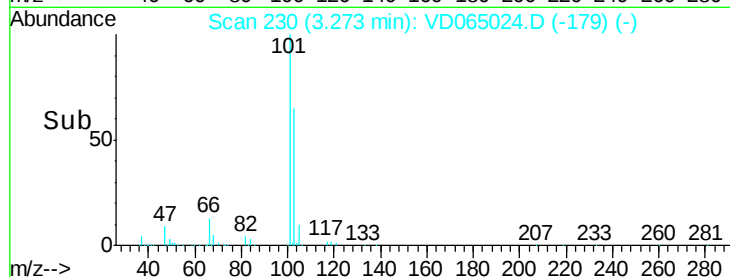
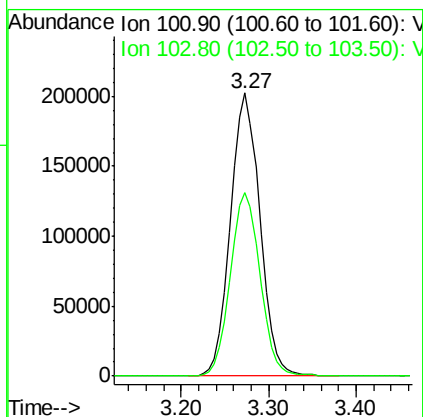
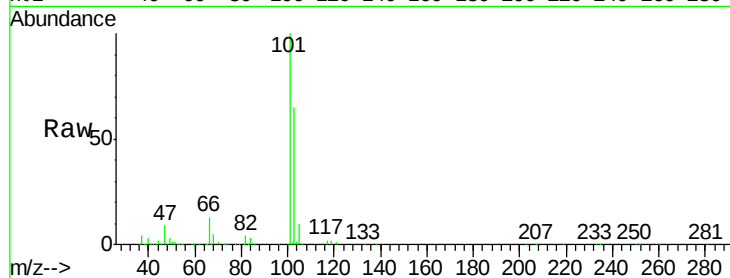
Trichlorofluoromethane
Concen: 47.721 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.5	78.7

Manual Integrations
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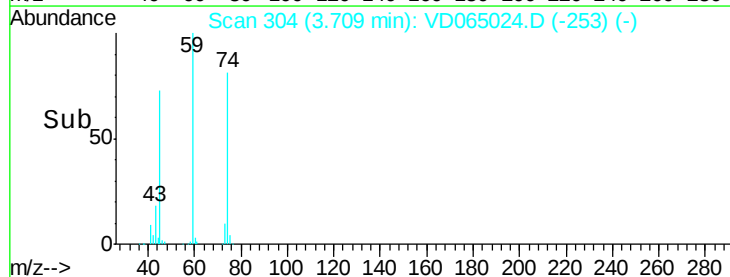
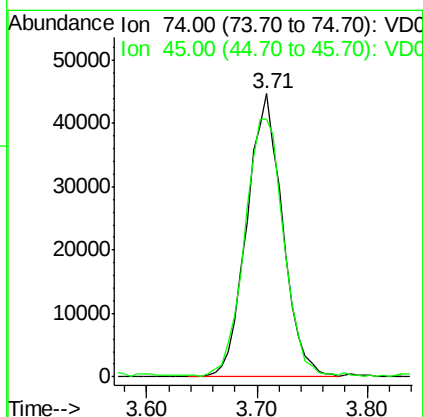
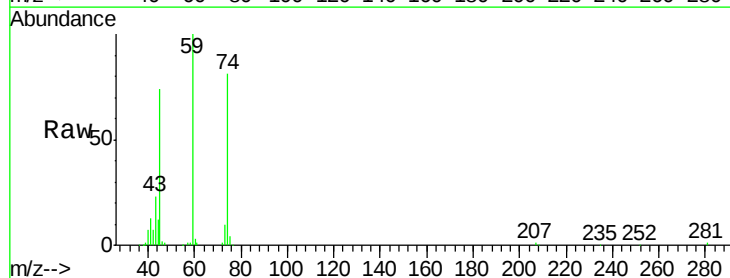
MMDadoda
2/3/2020 10:52:17 AM

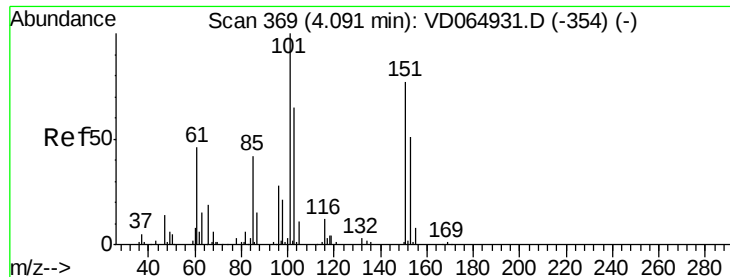


#8

Diethyl Ether
Concen: 46.338 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.6	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.668 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

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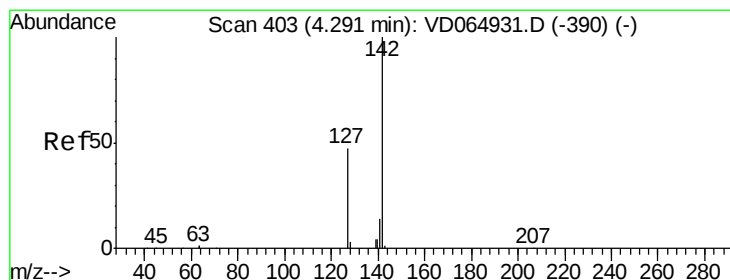
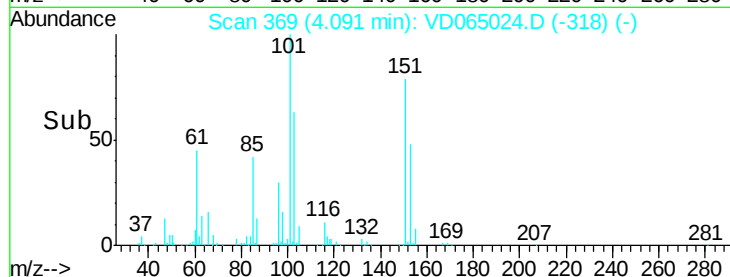
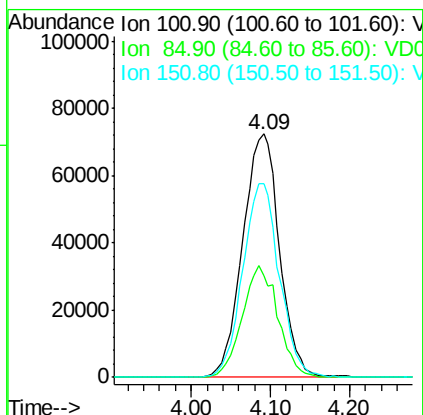
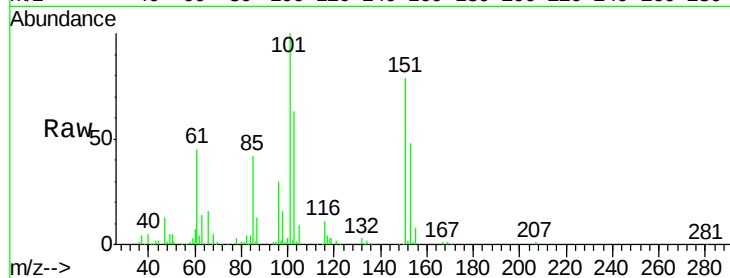
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	233816
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.0	52.4
151	79.3	64.6	96.8

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#10

Methyl Iodide

Concen: 51.425 ug/l

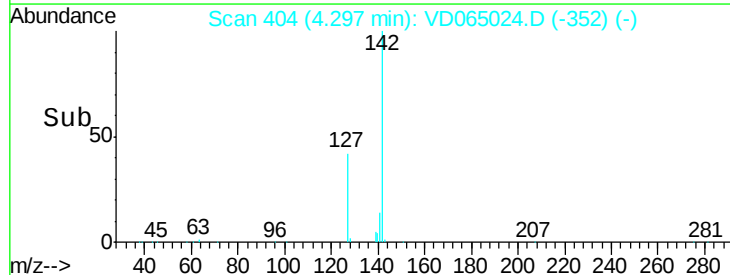
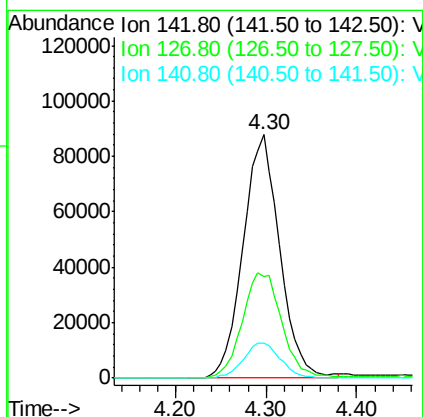
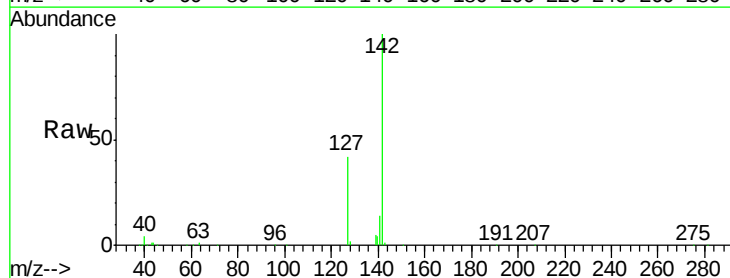
RT: 4.30 min Scan# 404

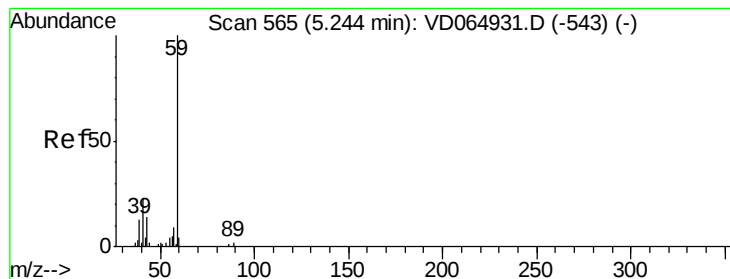
Delta R.T. 0.01 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Tgt Ion:	142	Resp:	247025
Ion Ratio	Lower	Upper	
142	100		
127	46.6	36.2	54.2
141	14.8	11.6	17.4





#11

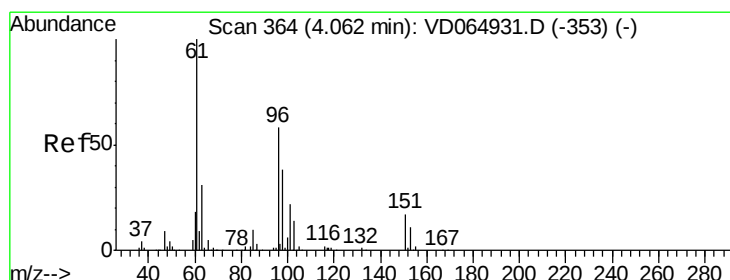
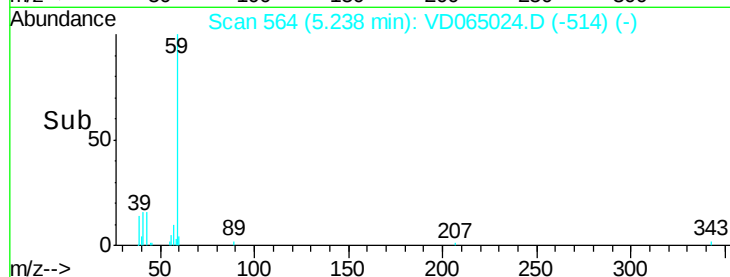
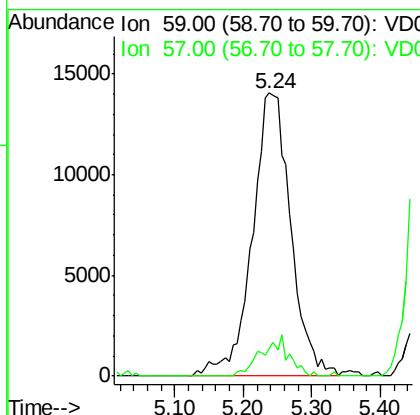
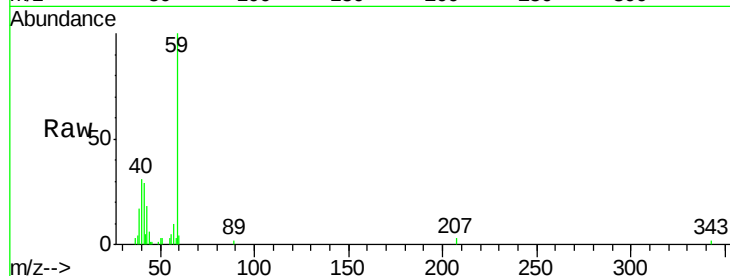
Tert butyl alcohol
Concen: 208.280 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.7	11.5

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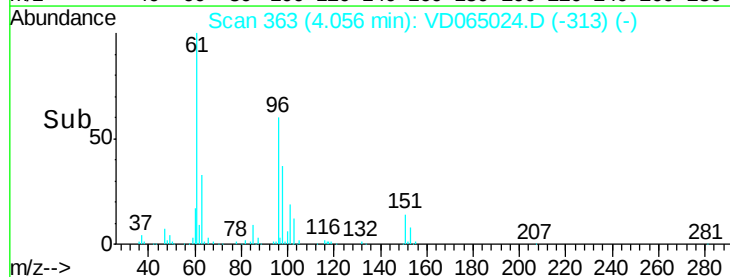
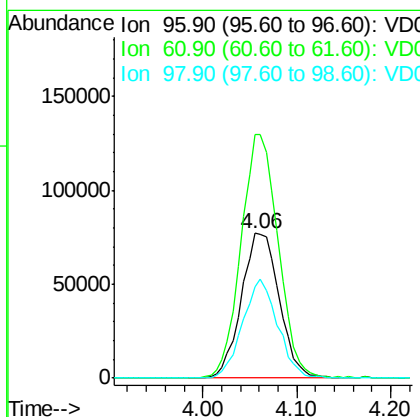
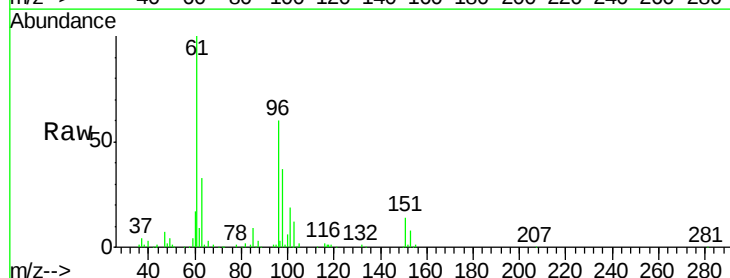
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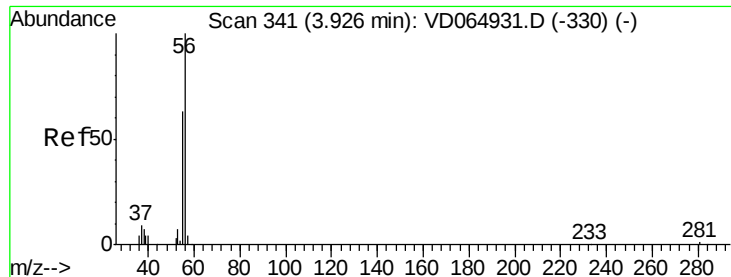


#12

1,1-Dichloroethene
Concen: 49.879 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.8	137.0	205.4
98	62.8	52.1	78.1





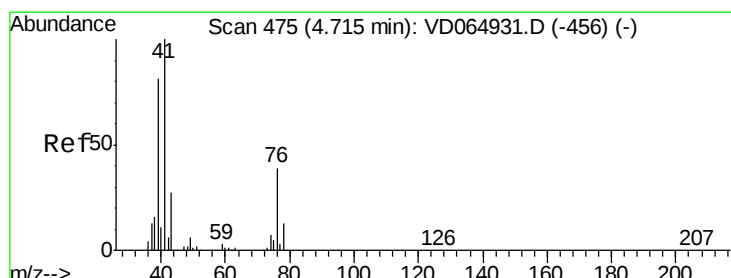
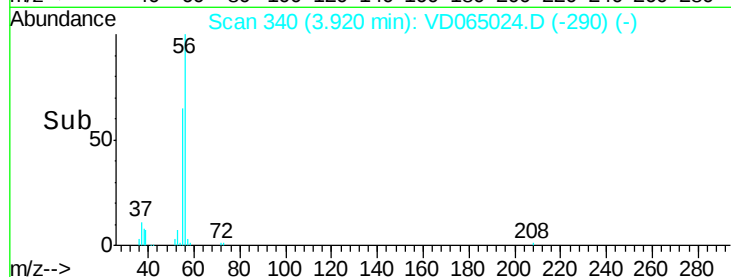
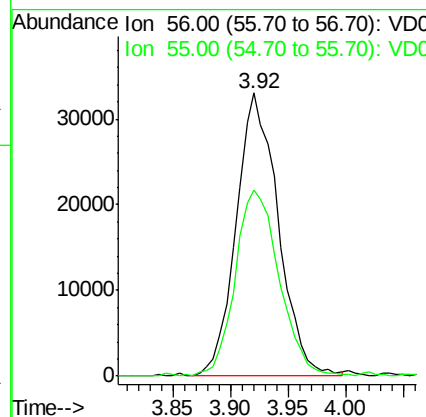
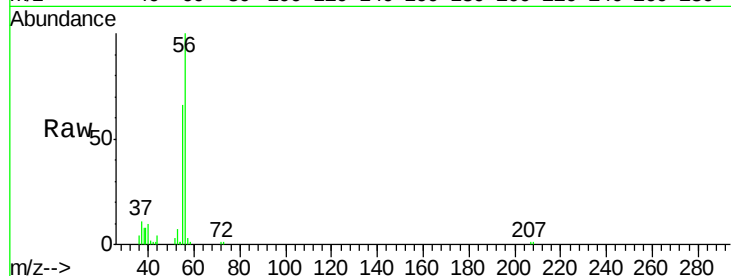
#13
Acrolein
Concen: 253.630 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.7	59.7	89.5

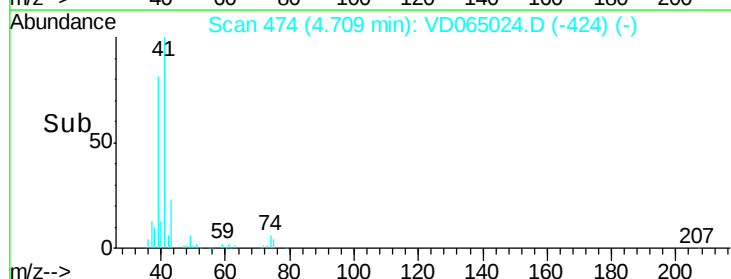
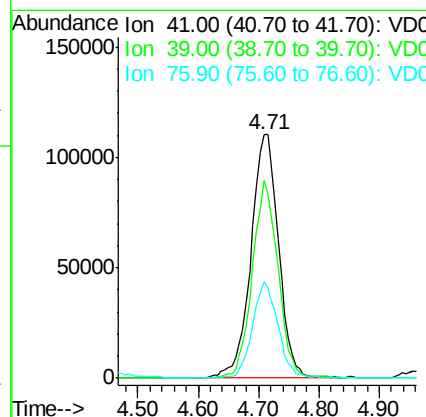
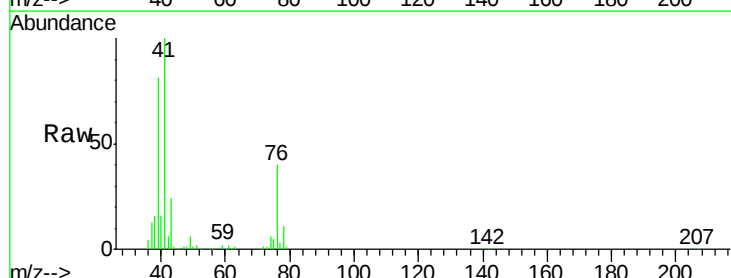
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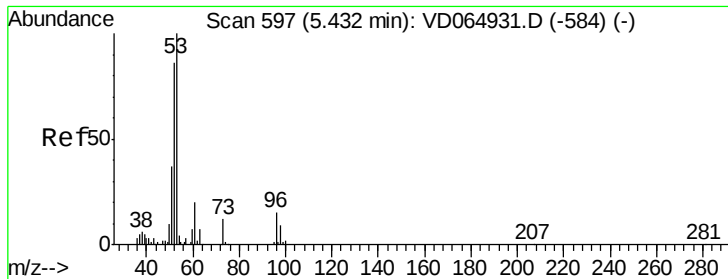
MMDadoda
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#14
Allyl chloride
Concen: 50.873 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Tgt Ion	Ratio	Lower	Upper
41	100		
39	74.7	62.0	93.0
76	35.8	29.3	43.9





#15

Acrylonitrile

Concen: 231.429 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Instrument :

MSVOA_D

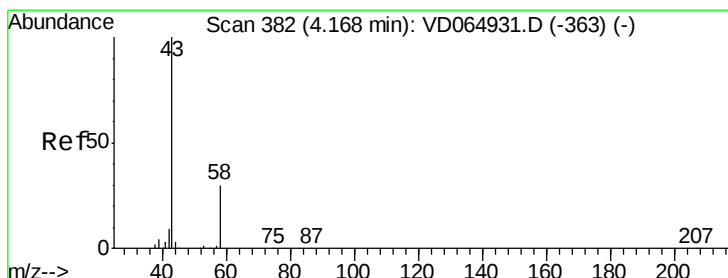
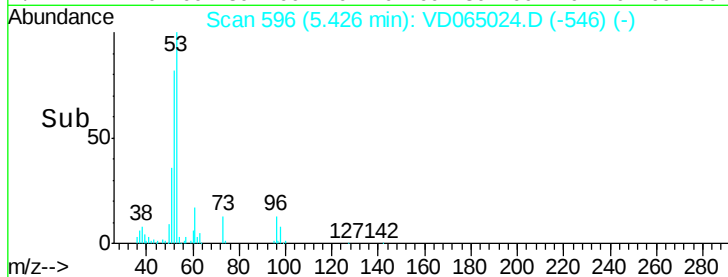
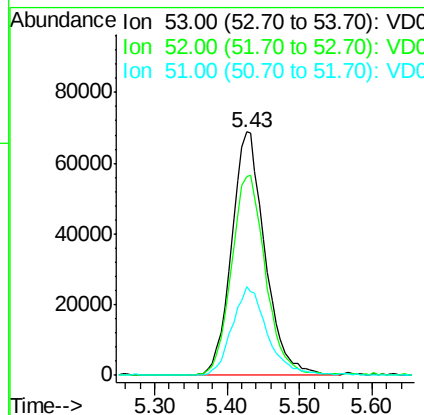
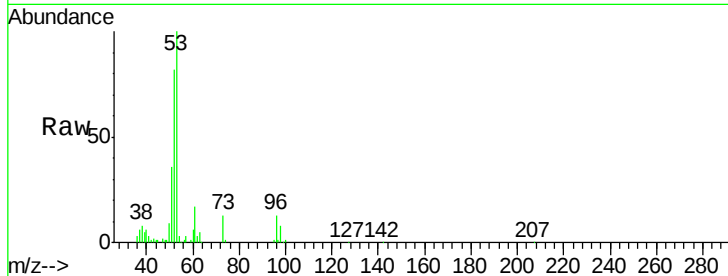
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	220062
Ion Ratio	Lower	Upper	
53	100		
52	83.6	66.7	100.1
51	38.1	31.1	46.7

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#16

Acetone

Concen: 255.478 ug/l

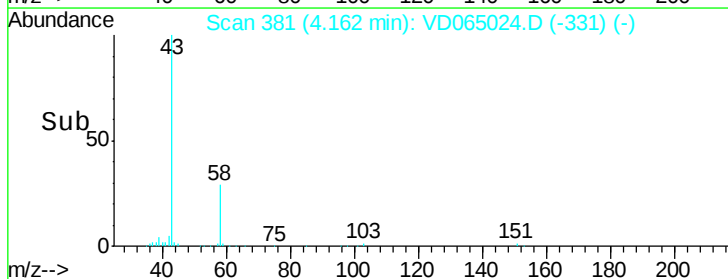
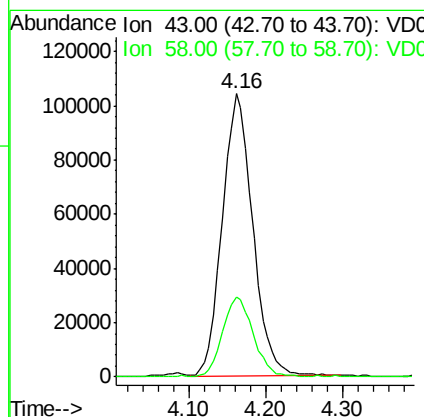
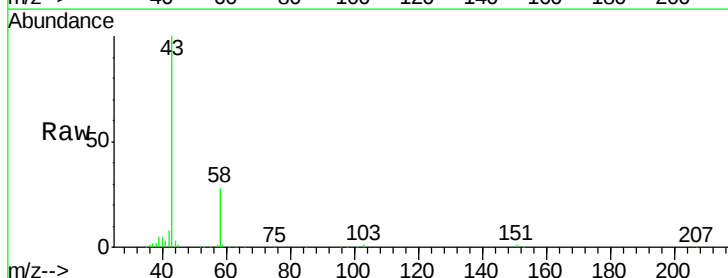
RT: 4.16 min Scan# 381

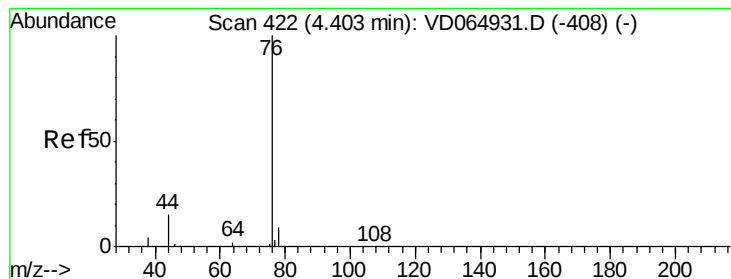
Delta R.T. -0.01 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Tgt Ion:	43	Resp:	286965
Ion Ratio	Lower	Upper	
43	100		
58	28.3	23.8	35.8





#17

Carbon Disulfide

Concen: 48.947 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 696422

Ion Ratio Lower Upper

76 100

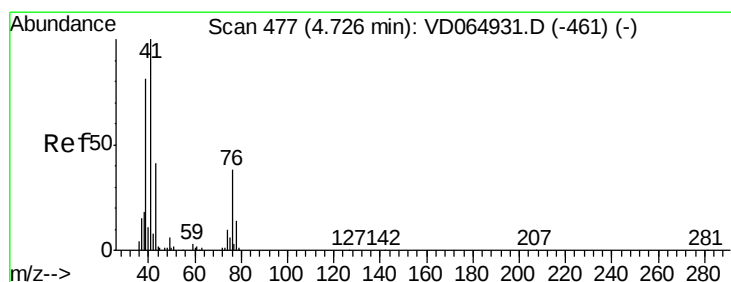
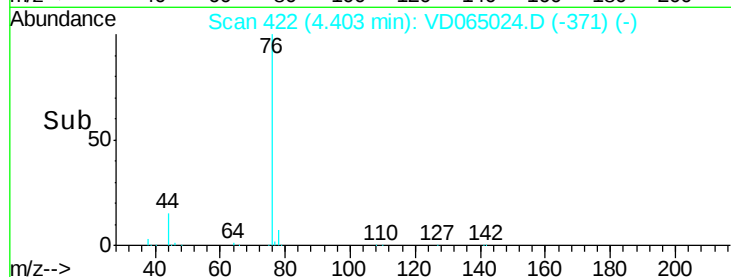
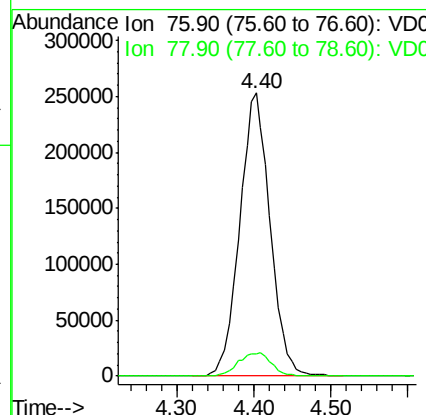
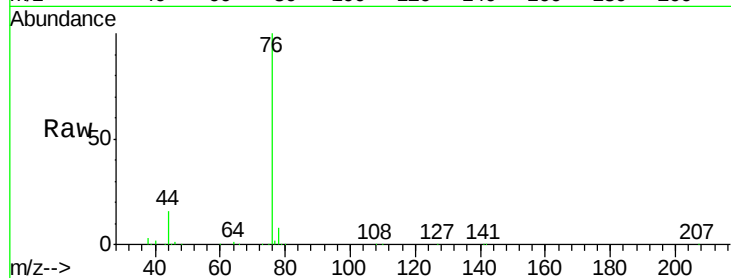
78 8.1 7.1 10.7

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#18

Methyl Acetate

Concen: 44.215 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065024.D

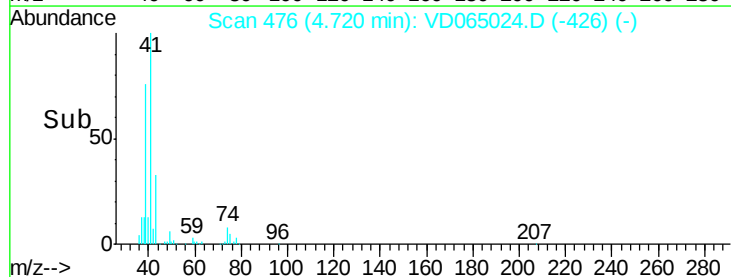
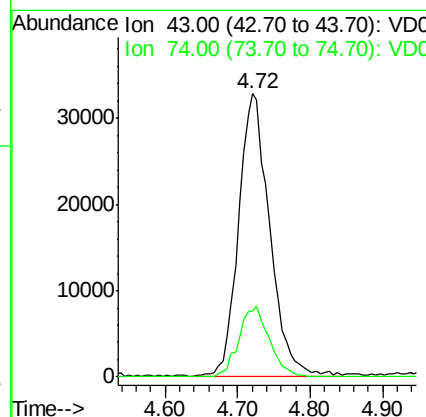
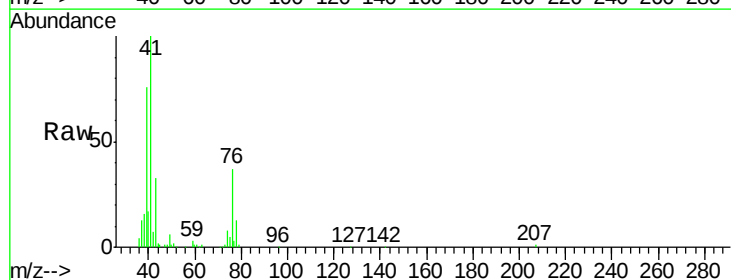
Acq: 31 Jan 2020 10:17

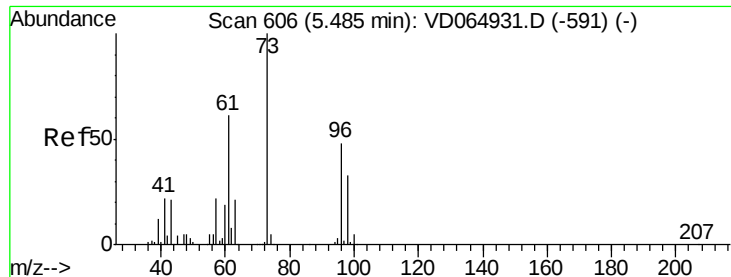
Tgt Ion: 43 Resp: 98651

Ion Ratio Lower Upper

43 100

74 24.0 19.1 28.7





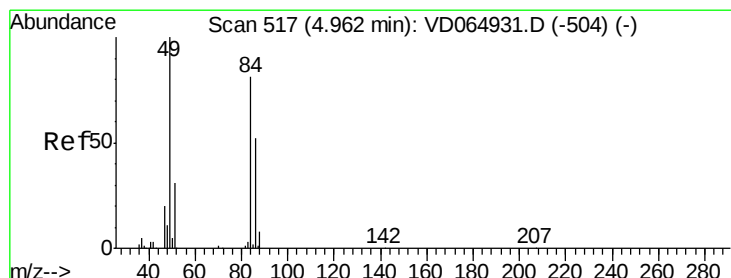
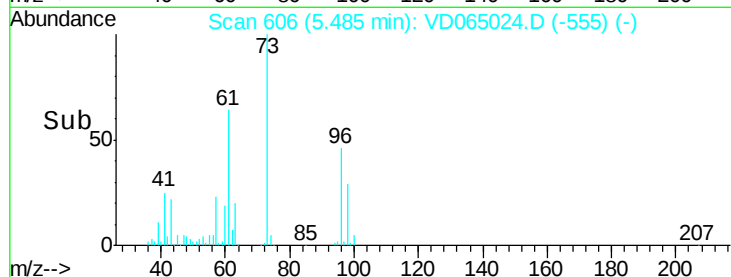
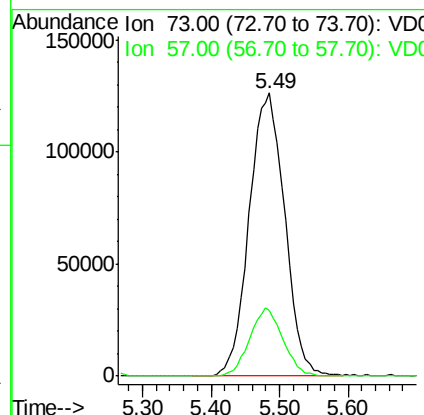
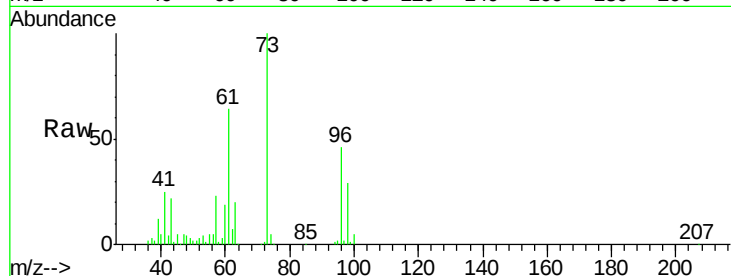
#19
Methyl tert-butyl Ether
Concen: 47.107 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 455038
Ion Ratio Lower Upper
73 100
57 23.5 17.9 26.9

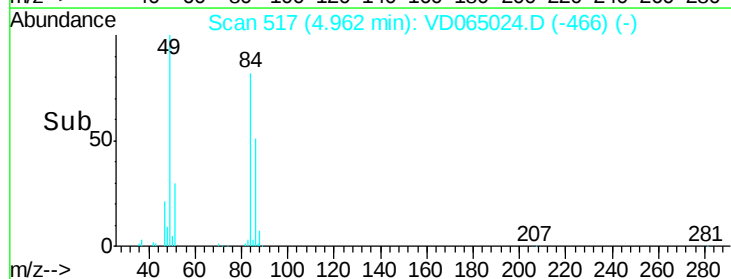
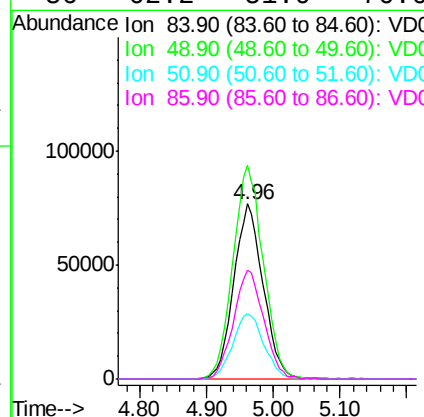
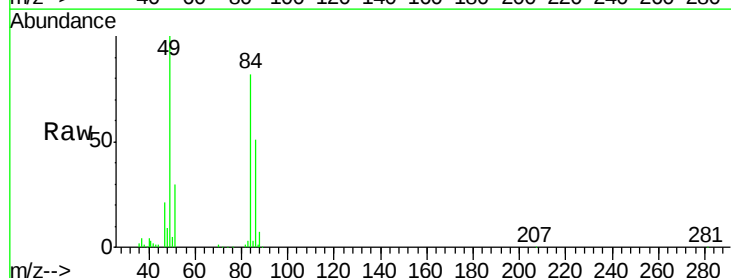
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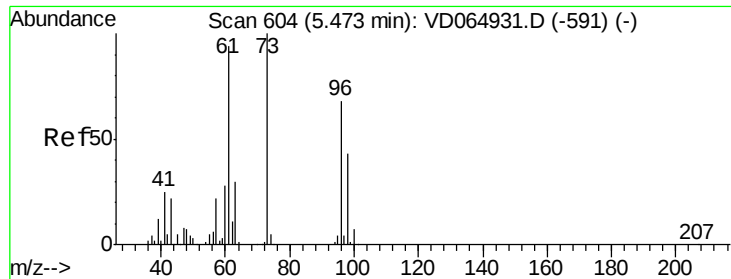
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#20
Methylene Chloride
Concen: 51.102 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Tgt Ion: 84 Resp: 236079
Ion Ratio Lower Upper
84 100
49 121.8 98.4 147.6
51 37.0 30.8 46.2
86 62.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 50.128 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Instrument :

MSVOA_D

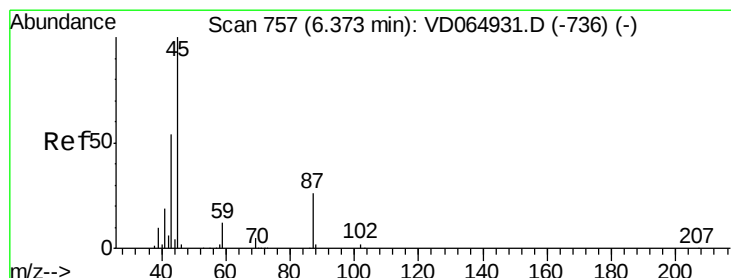
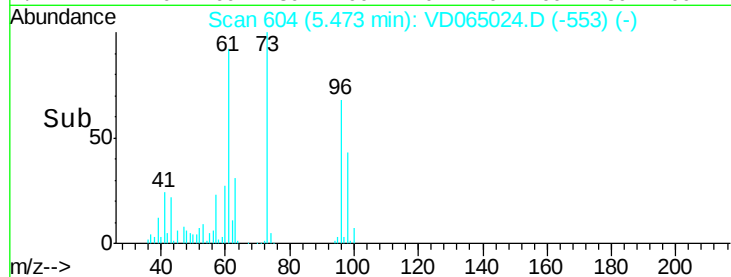
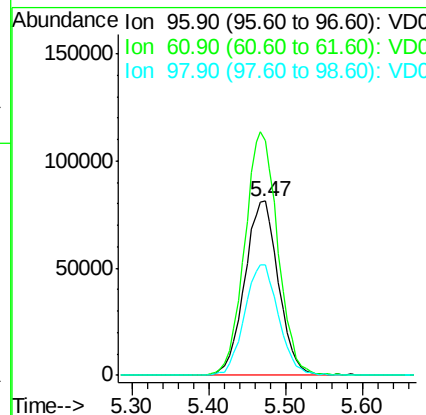
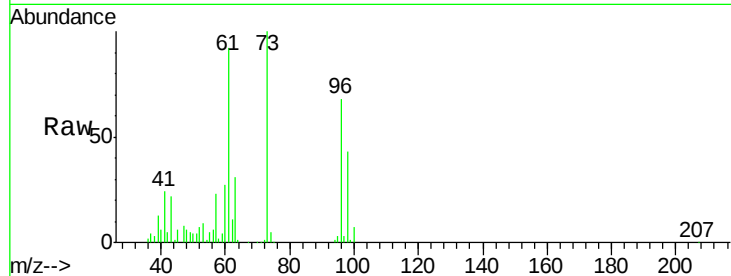
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	249680
Ion	Ratio	Lower	Upper
96	100		
61	135.0	110.4	165.6
98	63.4	50.5	75.7

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#22

Diisopropyl ether

Concen: 50.236 ug/l

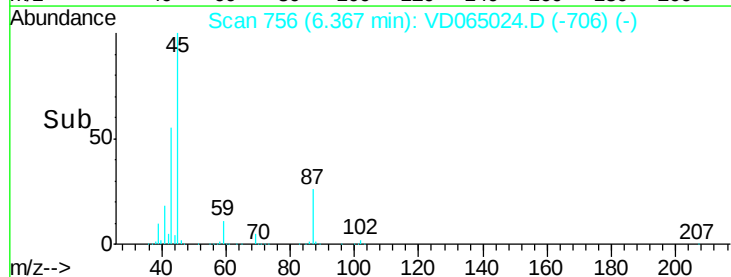
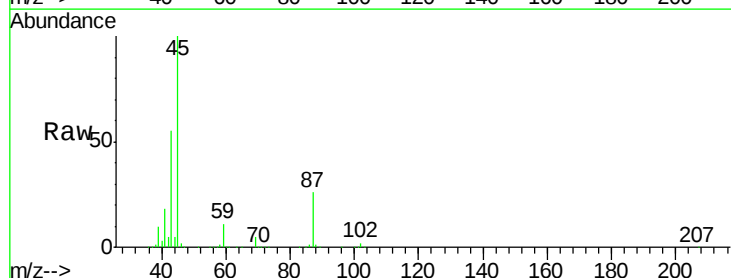
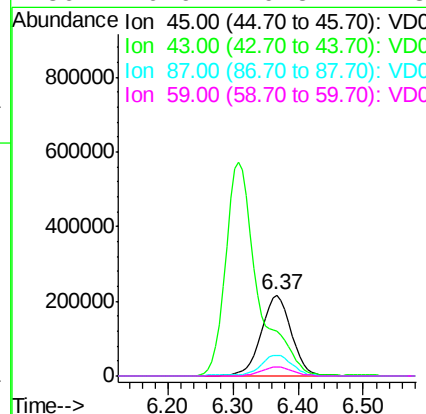
RT: 6.37 min Scan# 756

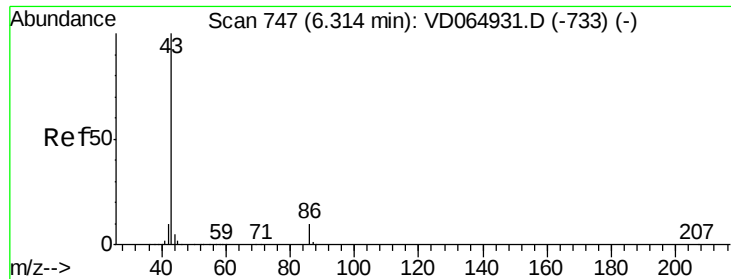
Delta R.T. -0.01 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Tgt Ion:	45	Resp:	690314
Ion	Ratio	Lower	Upper
45	100		
43	54.9	43.1	64.7
87	26.1	21.4	32.2
59	10.9	9.5	14.3





#23

Vinyl Acetate

Concen: 242.807 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1953464

Ion Ratio Lower Upper

43 100

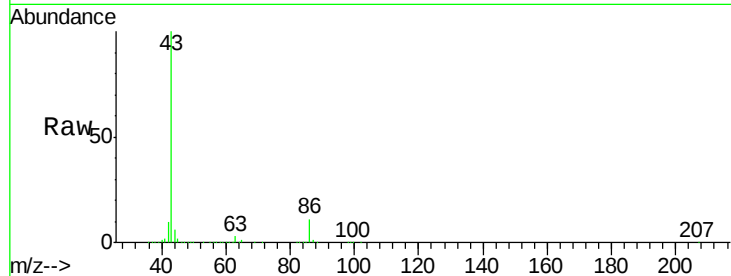
86 10.9 8.3 12.5

Manual Integrations

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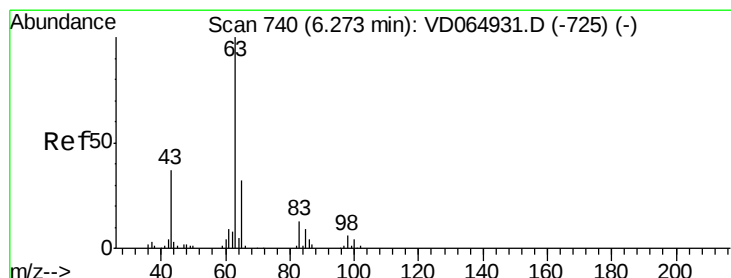
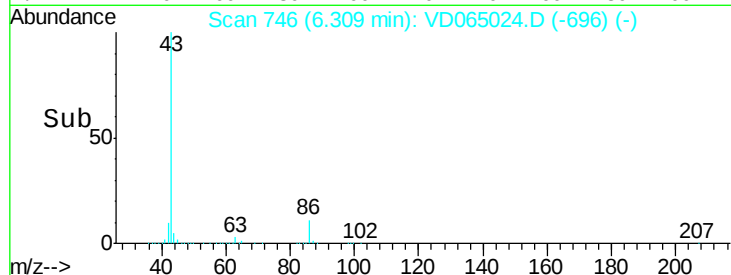
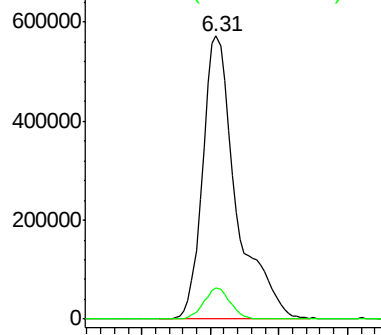
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.017 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

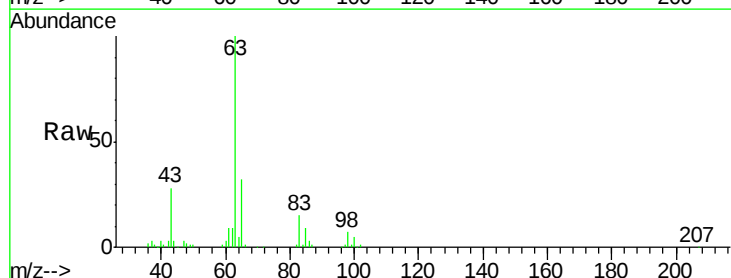
Tgt Ion: 63 Resp: 421990

Ion Ratio Lower Upper

63 100

98 6.9 3.1 9.3

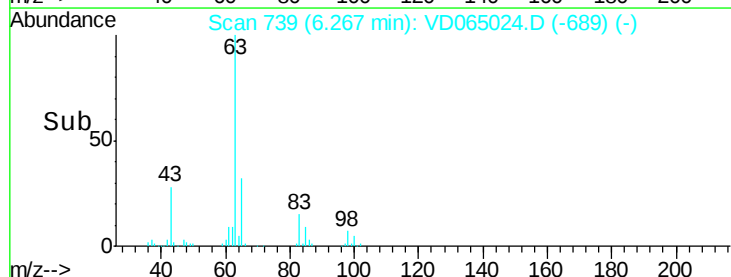
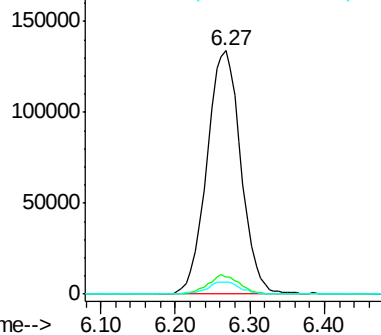
100 4.9 2.3 6.8

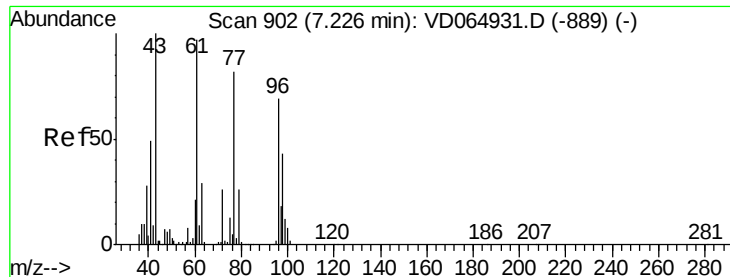


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 250.002 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 321761

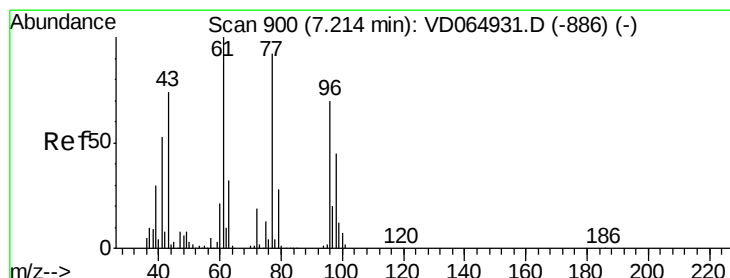
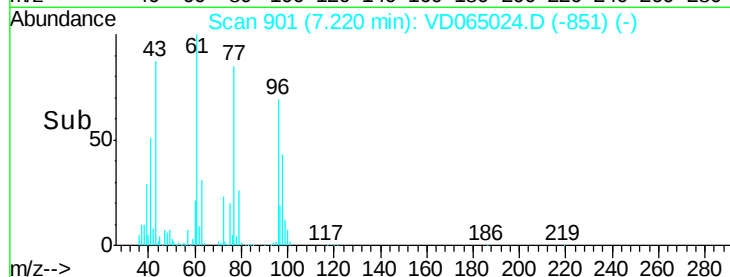
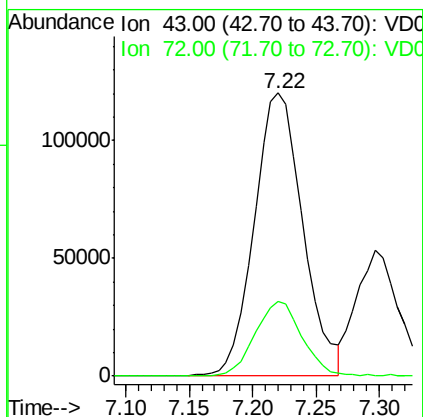
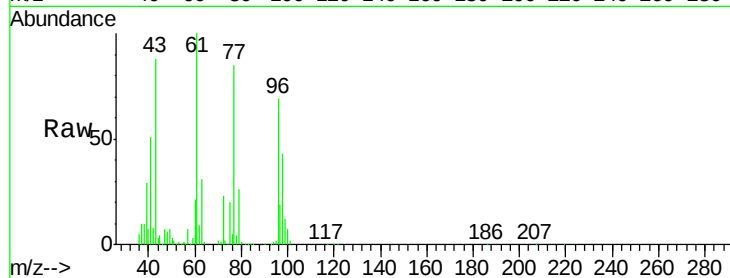
Ion Ratio Lower Upper

43 100

72 26.5 20.6 31.0

Manual Integrations
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2/3/2020 10:52:17 AM



#26

2,2-Dichloropropane

Concen: 51.539 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065024.D

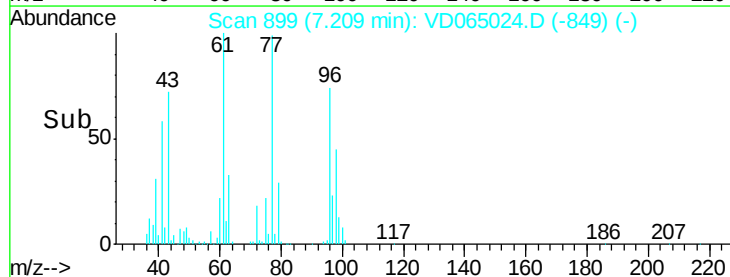
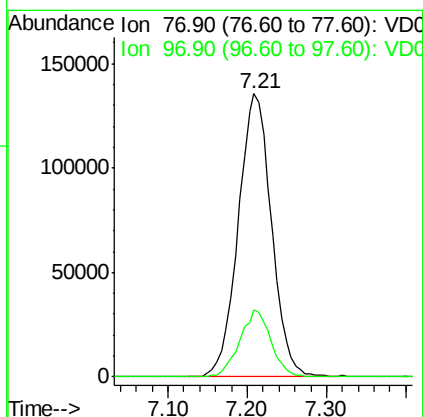
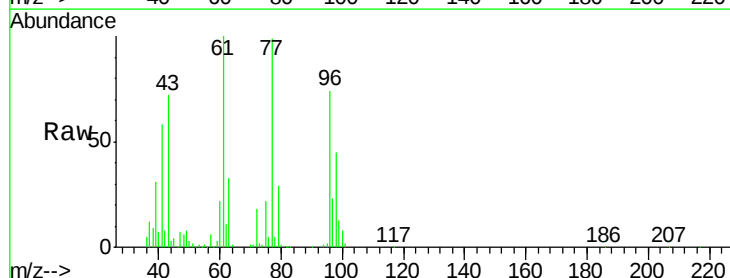
Acq: 31 Jan 2020 10:17

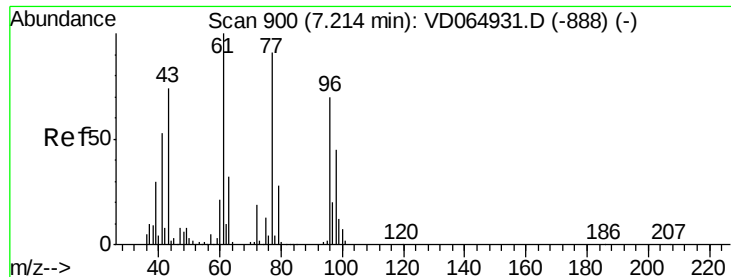
Tgt Ion: 77 Resp: 394414

Ion Ratio Lower Upper

77 100

97 22.2 11.4 34.2





#27

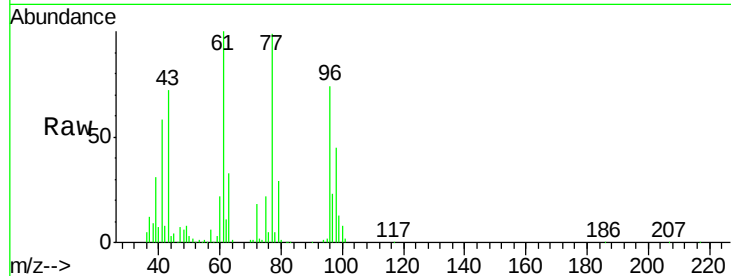
cis-1,2-Dichloroethene
Concen: 50.241 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

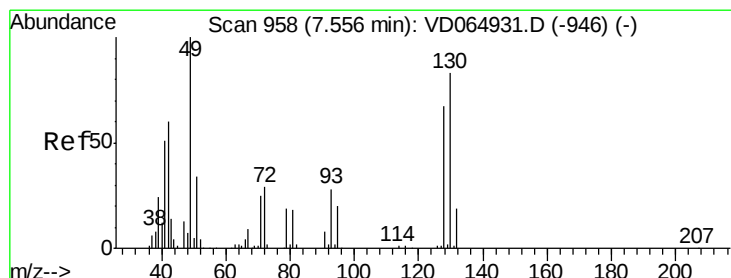
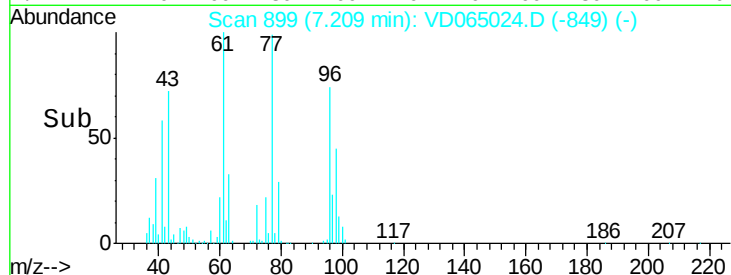
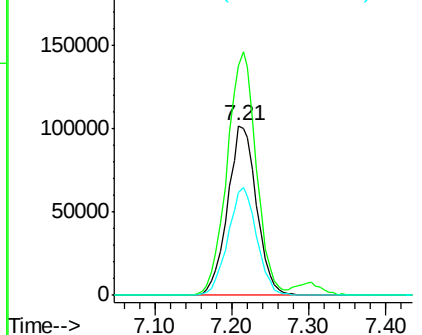
Tot Ion	Ratio	Resp	Lower	Upper
96	100	267095		
61	144.5	0.0	292.8	
98	62.9	0.0	130.0	

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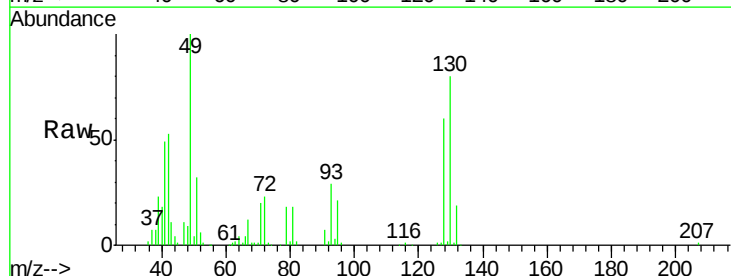
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



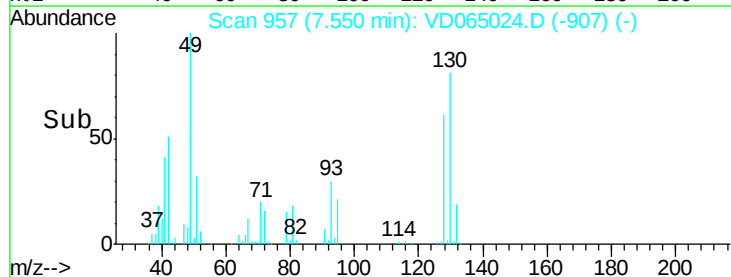
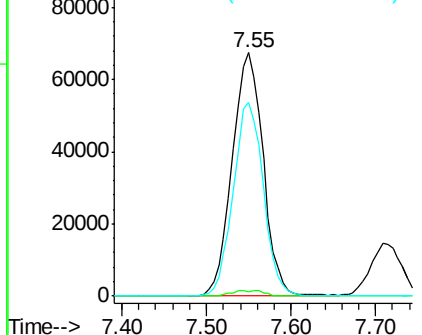
#28

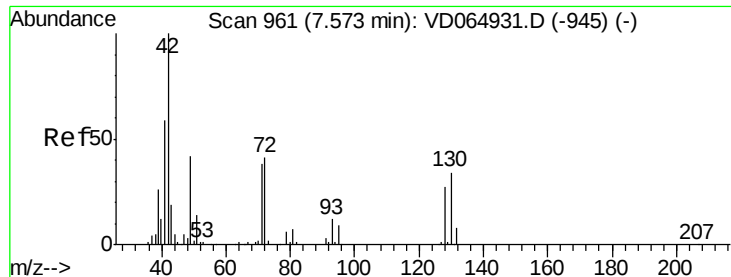
Bromochloromethane
Concen: 50.605 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	170748		
129	2.3	0.0	4.4	
130	77.7	63.8	95.8	



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





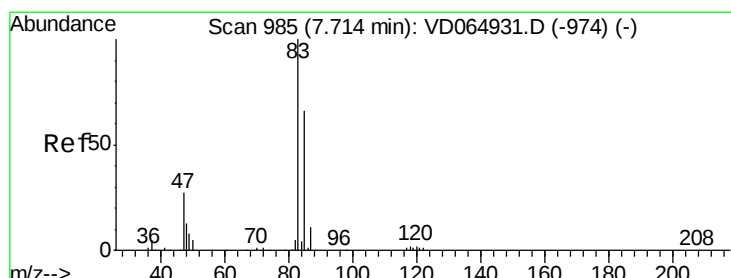
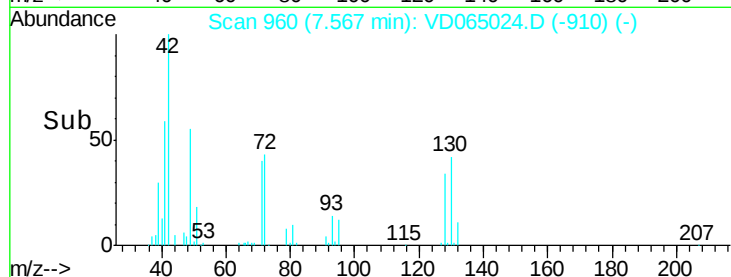
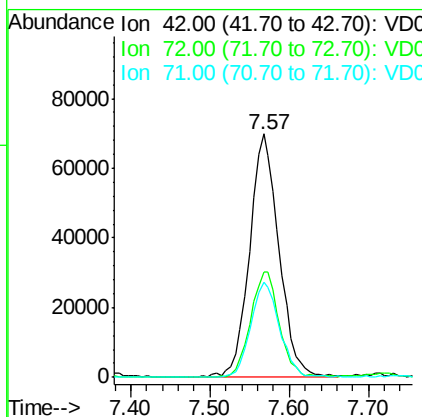
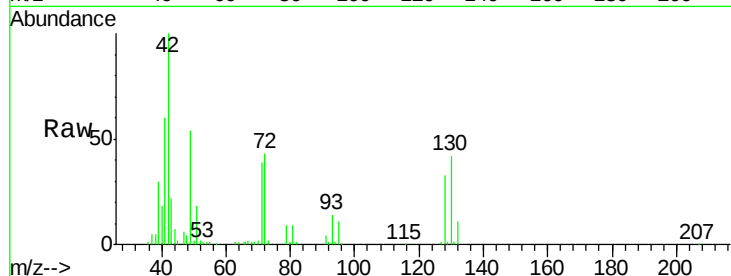
#29
Tetrahydrofuran
Concen: 227.797 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.0	51.0
71	38.3	31.5	47.3

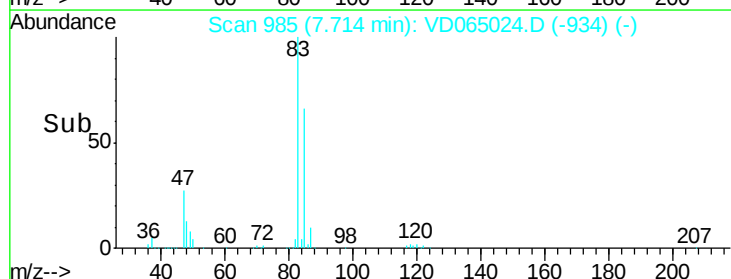
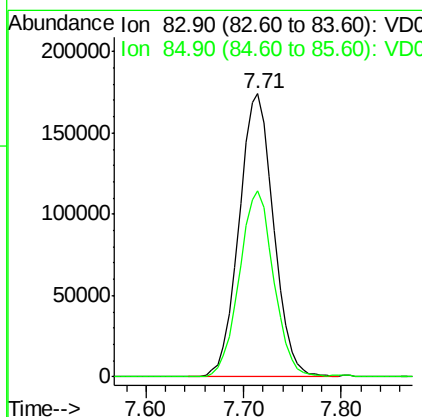
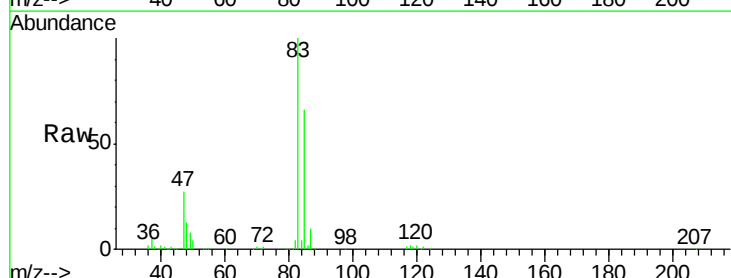
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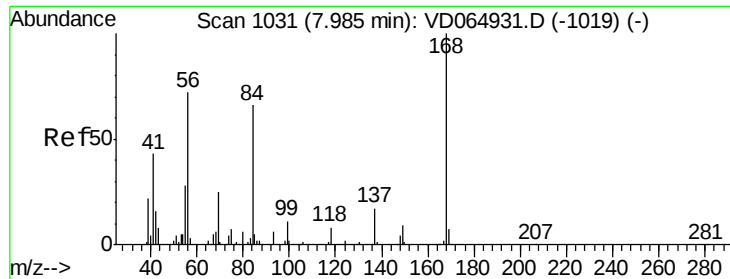
MMDadoda
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#30
Chloroform
Concen: 49.400 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.4	78.6





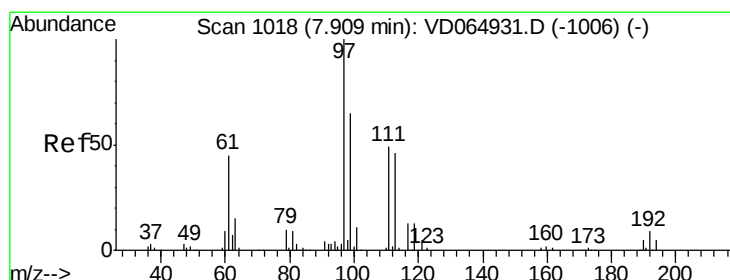
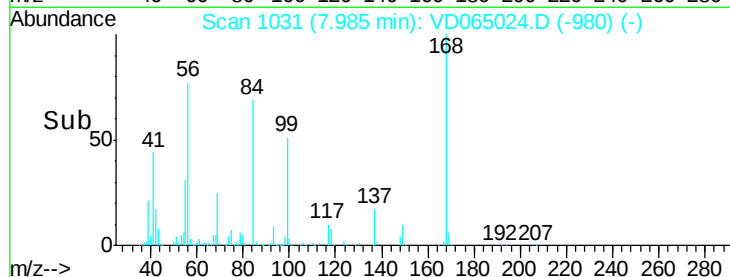
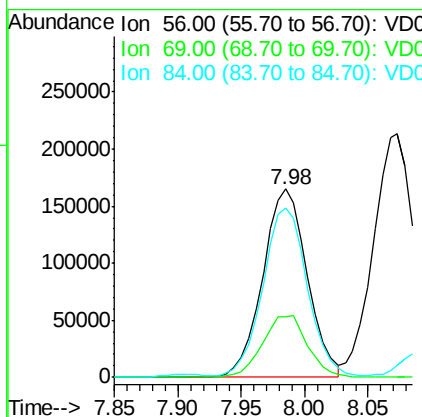
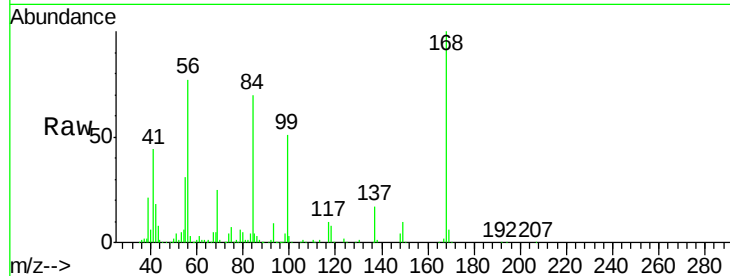
#31
Cyclohexane
Concen: 48.633 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	32.3	27.9	41.9	
84	88.5	72.8	109.2	

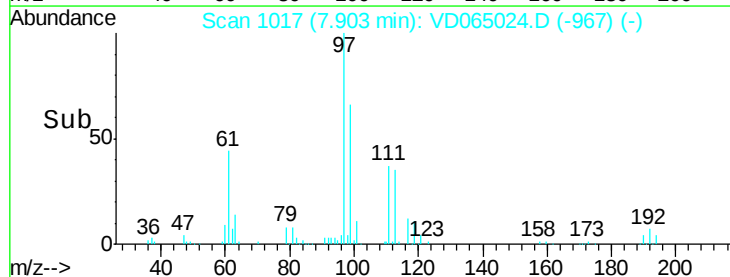
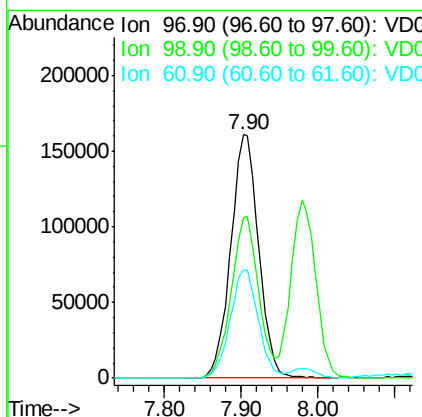
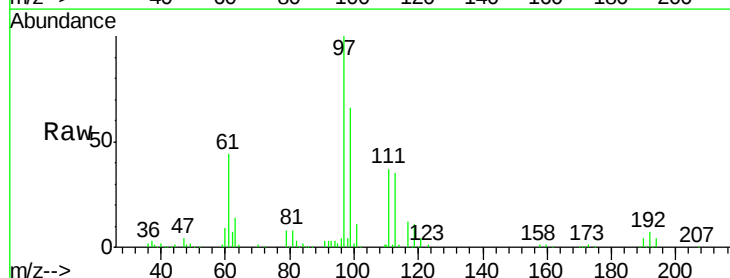
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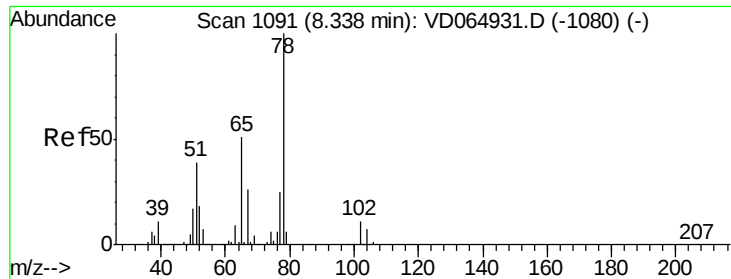
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#32
1,1,1-Trichloroethane
Concen: 50.280 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	65.0	50.6	76.0	
61	44.6	35.7	53.5	





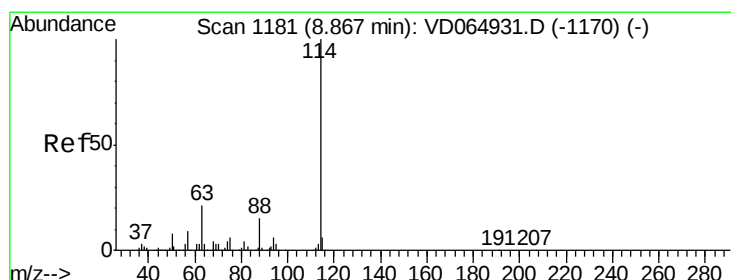
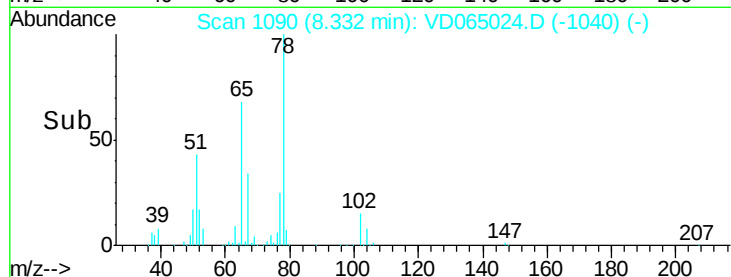
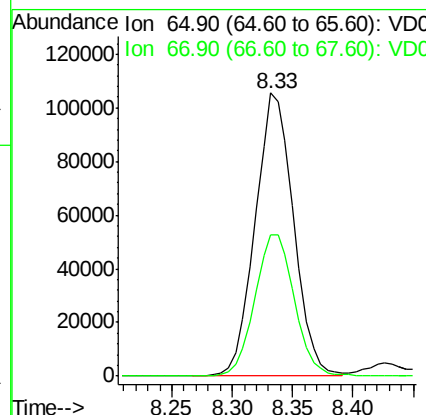
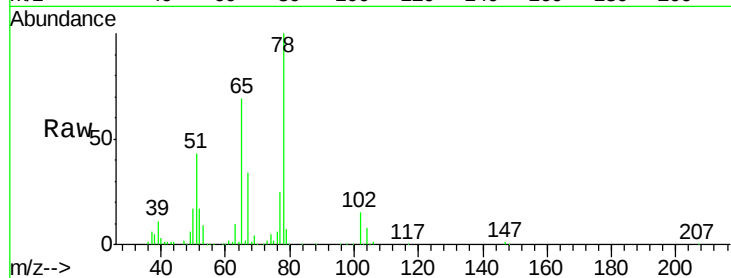
#33
 1,2-Dichloroethane-d4
 Concen: 49.191 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065024.D
 Acq: 31 Jan 2020 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	234341		
67	51.5	0.0	103.6	

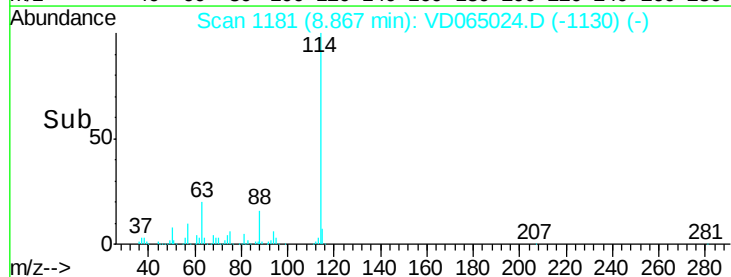
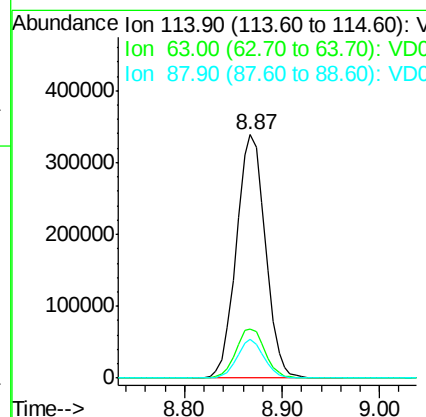
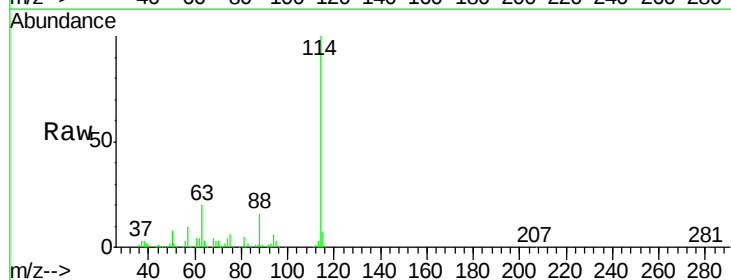
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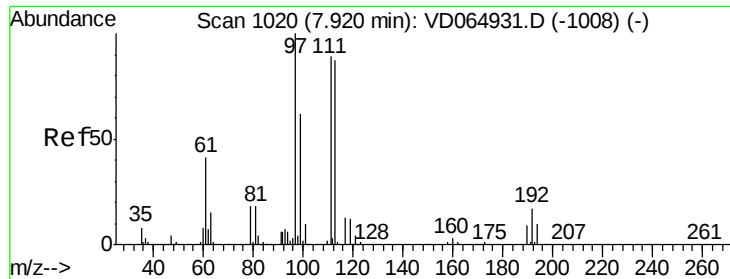
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065024.D
 Acq: 31 Jan 2020 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	698863		
63	20.0	0.0	42.0	
88	15.7	0.0	29.4	





#35

Dibromofluoromethane

Concen: 51.652 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Instrument :

MSVOA_D

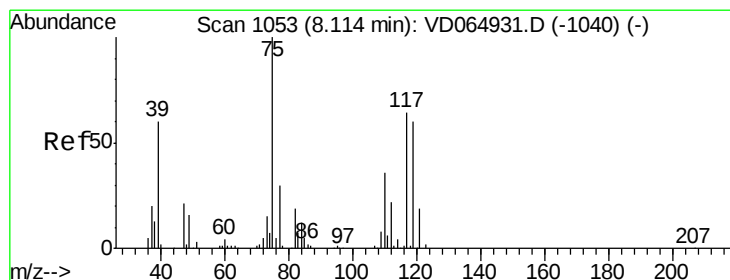
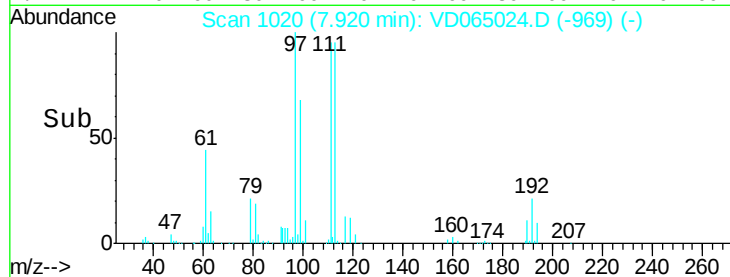
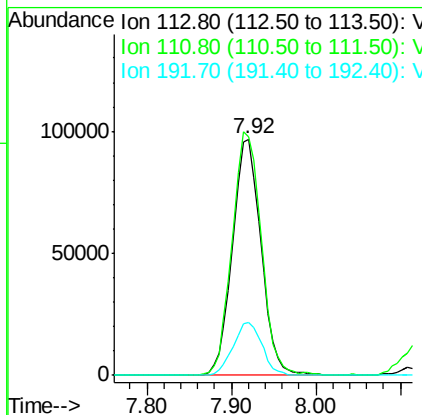
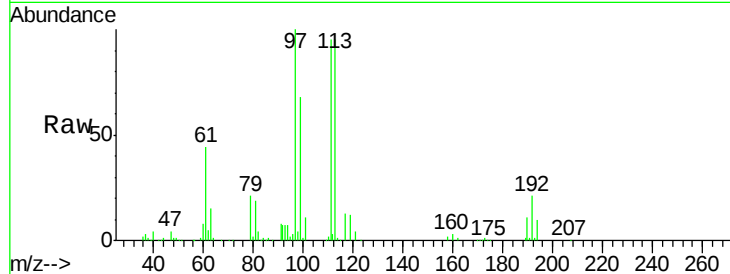
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	226842
Ion Ratio	Lower	Upper	
113	100		
111	105.1	82.4	123.6
192	22.7	16.9	25.3

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#36

1,1-Dichloropropene

Concen: 52.962 ug/l

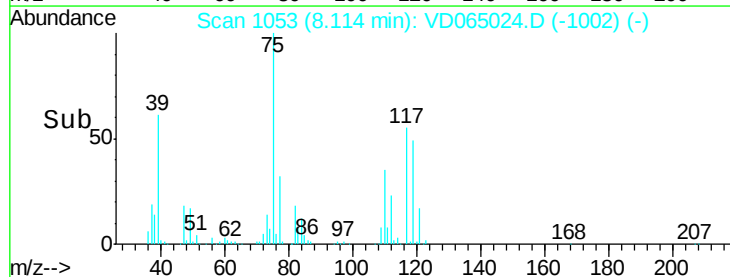
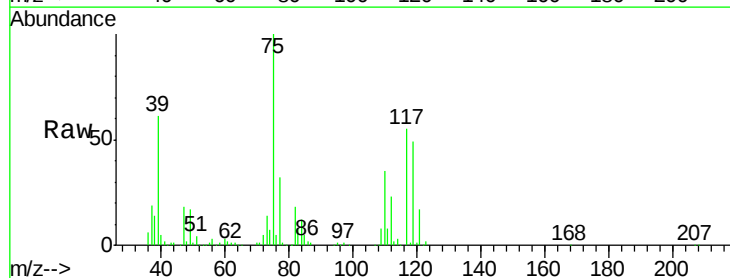
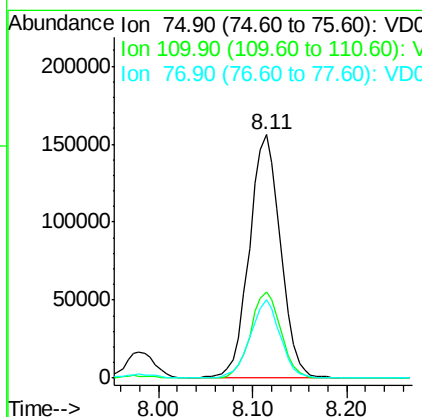
RT: 8.11 min Scan# 1053

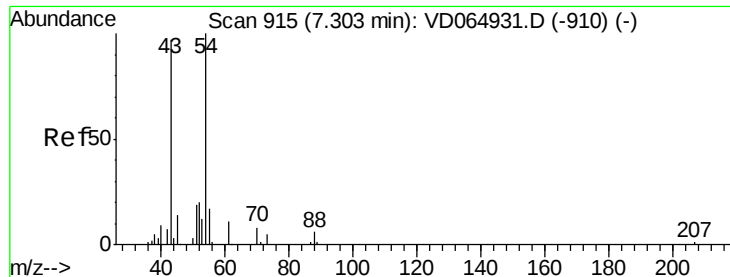
Delta R.T. -0.00 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Tgt Ion:	75	Resp:	356913
Ion Ratio	Lower	Upper	
75	100		
110	34.6	17.3	52.0
77	31.3	24.7	37.1





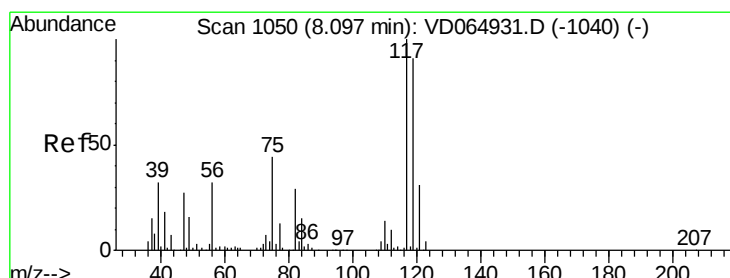
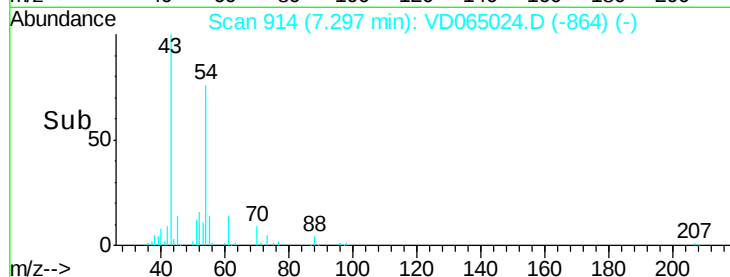
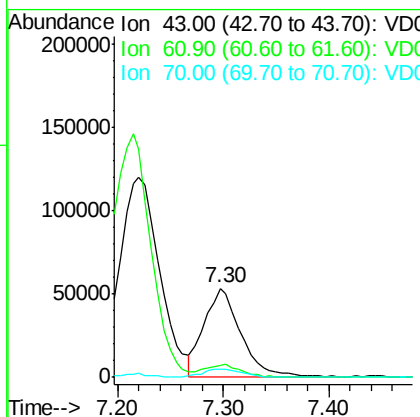
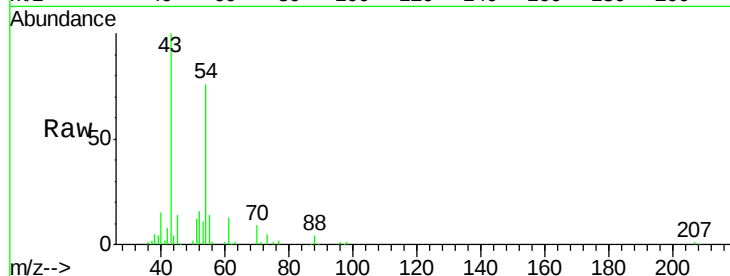
#37
Ethyl Acetate
Concen: 46.157 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.0	16.4
70	9.1	7.5	11.3

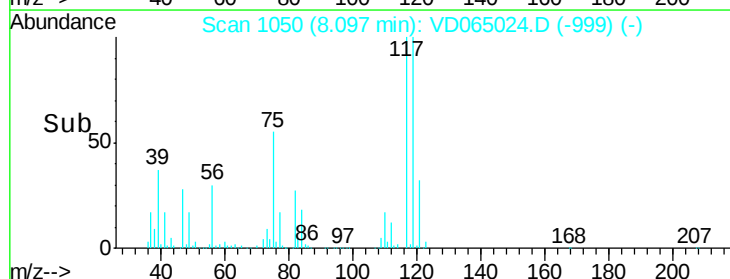
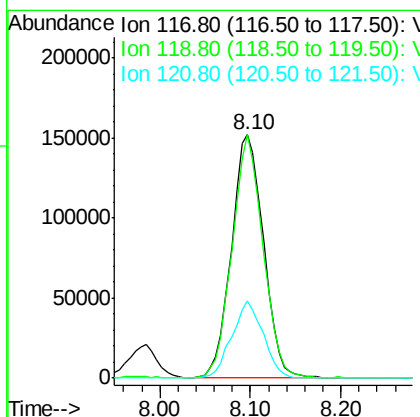
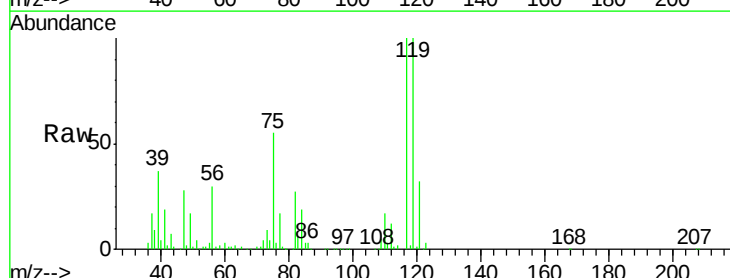
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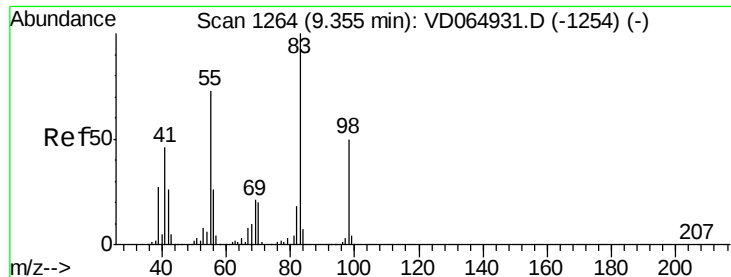
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#38
Carbon Tetrachloride
Concen: 52.336 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.8	73.2	109.8
121	32.0	24.4	36.6





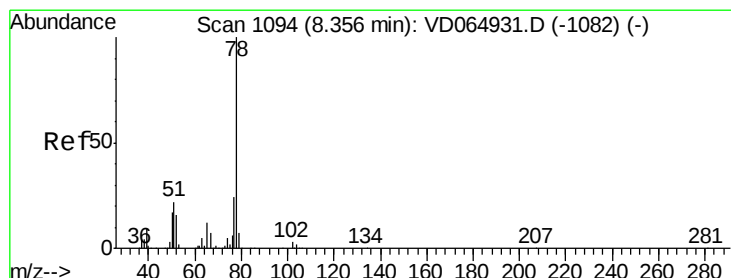
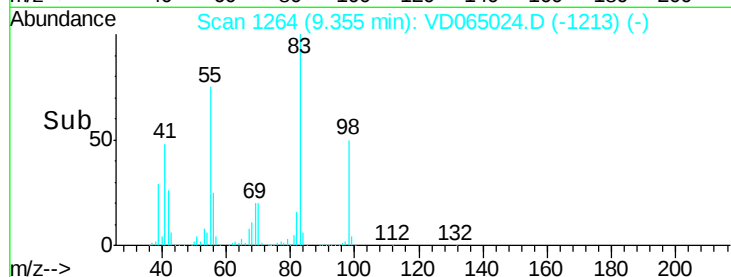
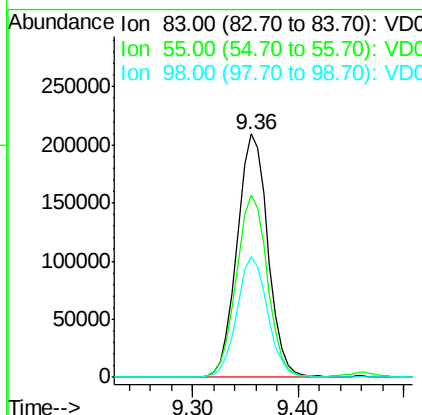
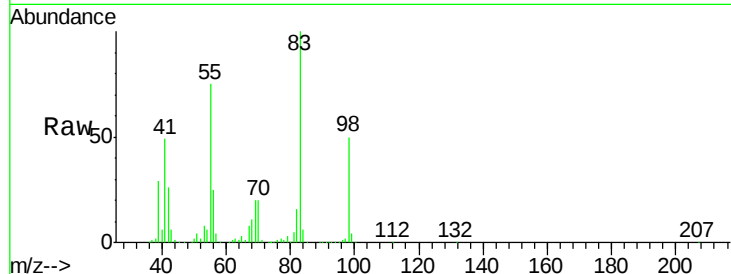
#39
Methvlcvclohexane
Concen: 53.957 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	58.7	88.1
98	49.8	40.2	60.2

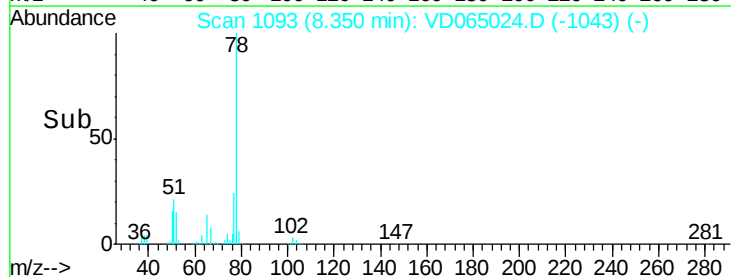
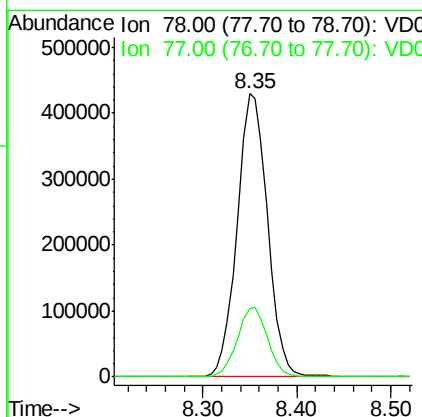
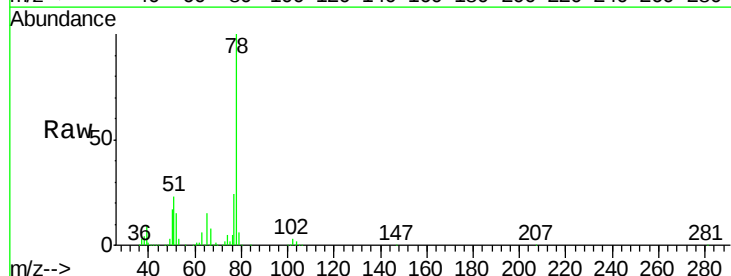
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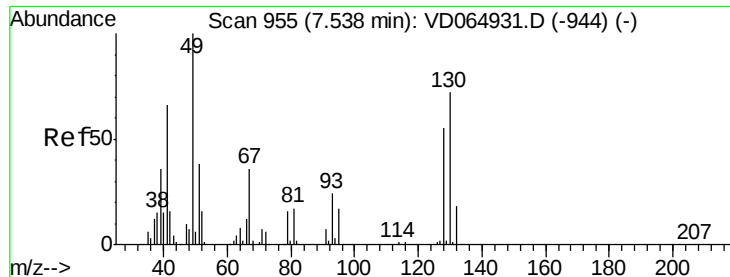
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#40
Benzene
Concen: 51.928 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.2	28.8





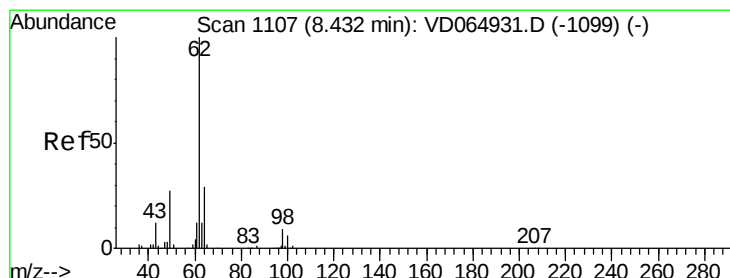
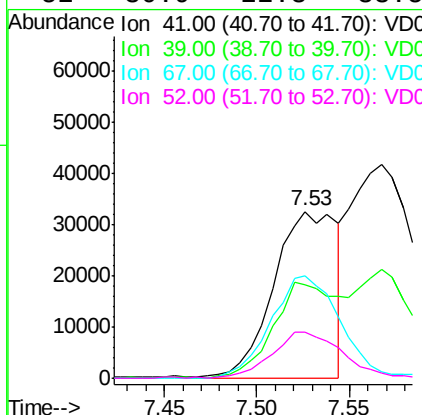
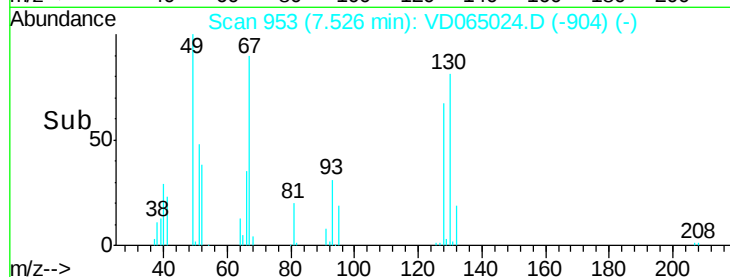
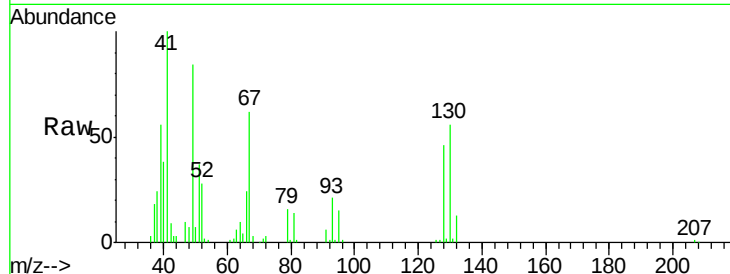
#41
Methacrylonitrile
Concen: 51.915 ug/l m
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	77847
Ion	Ratio	Lower	Upper
41	100		
39	62.2	49.3	73.9
67	67.5	51.0	76.6
52	30.9	22.3	33.5

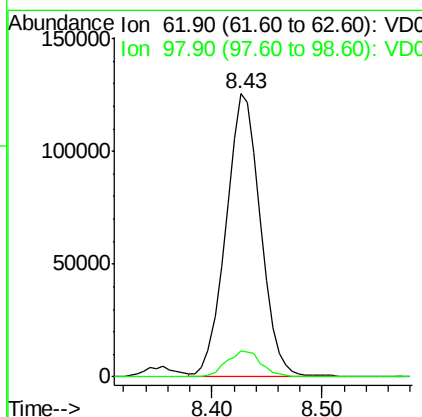
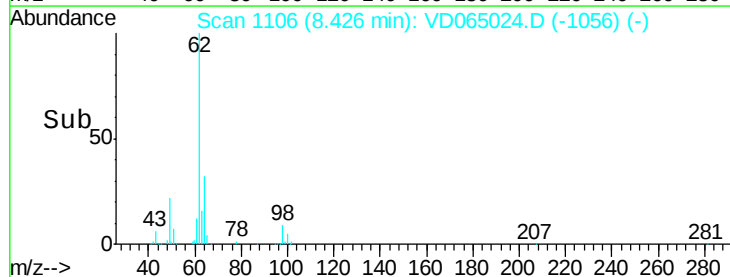
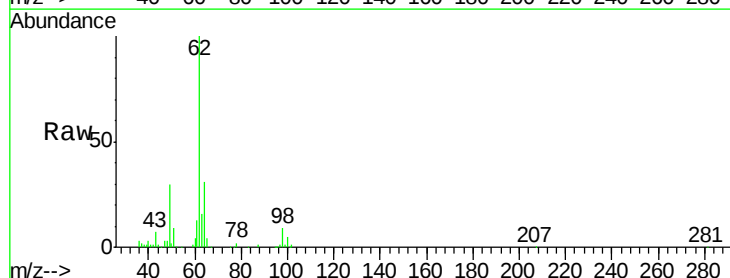
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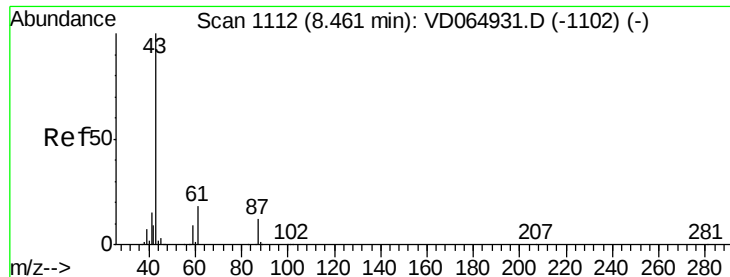
MMDadoda
2/3/2020 10:52:17 AM



#42
1,2-Dichloroethane
Concen: 49.528 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Tgt Ion:	62	Resp:	273831
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	17.8





#43

Isopropyl Acetate

Concen: 47.027 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Instrument :

MSVOA_D

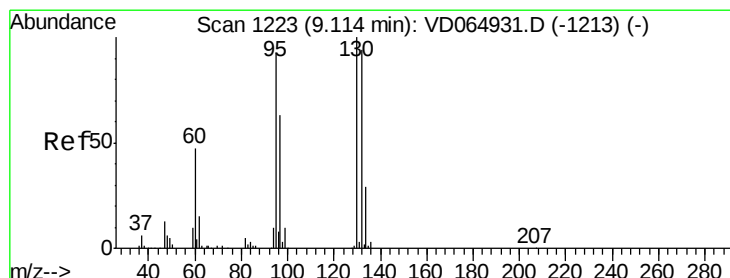
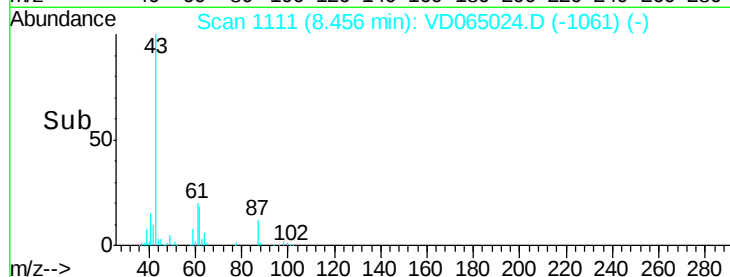
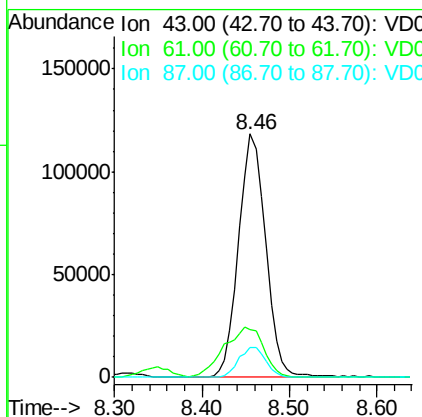
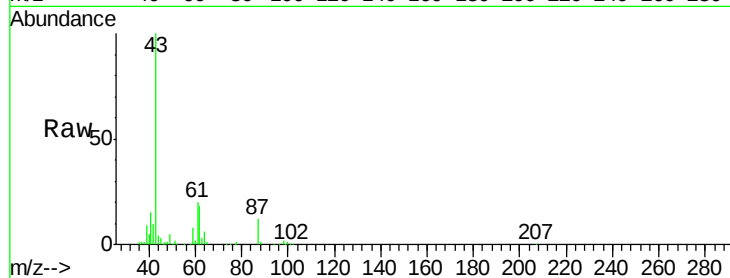
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	248657
Ion	Ratio	Lower	Upper
43	100		
61	30.0	23.8	35.6
87	12.4	10.3	15.5

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#44

Trichloroethene

Concen: 51.990 ug/l

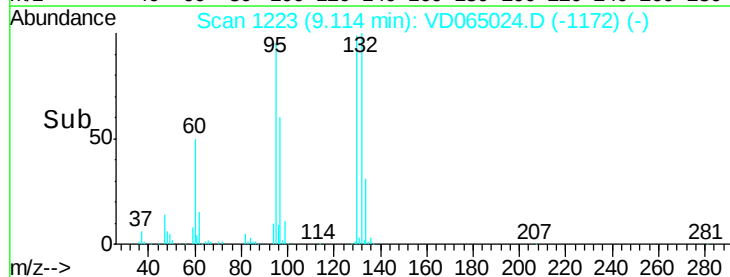
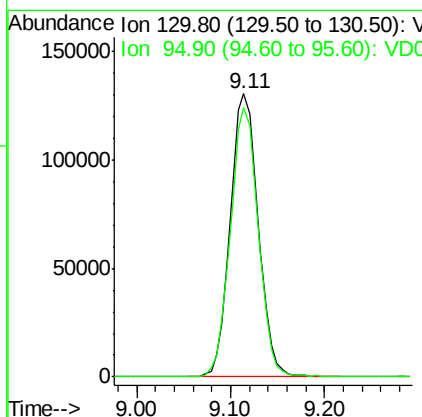
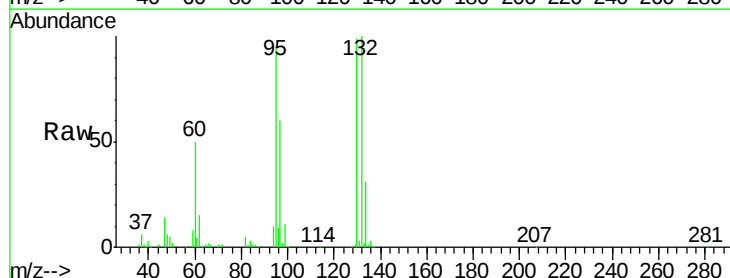
RT: 9.11 min Scan# 1223

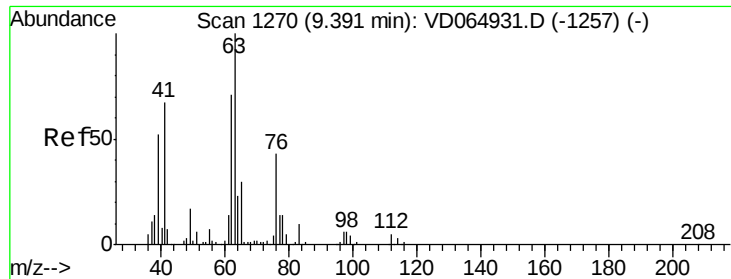
Delta R.T. -0.00 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Tgt Ion:	130	Resp:	270058
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	185.8





#45

1,2-Dichloropropane

Concen: 51.017 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 229548

Ion Ratio Lower Upper

63 100

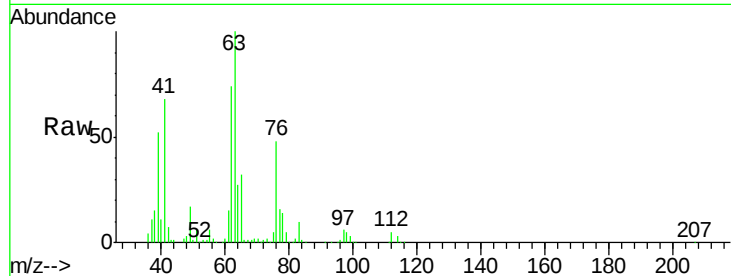
65 32.1 24.3 36.5

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

120000

100000

80000

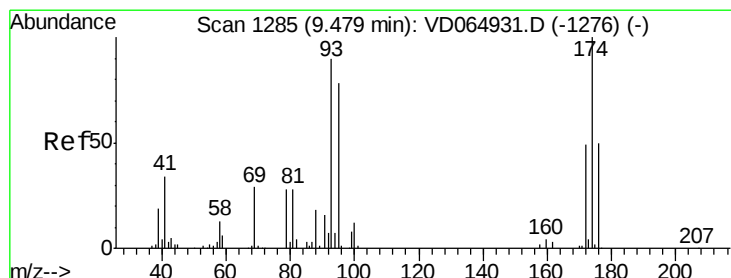
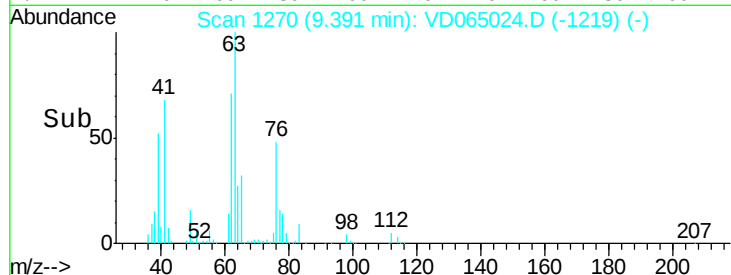
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 49.064 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

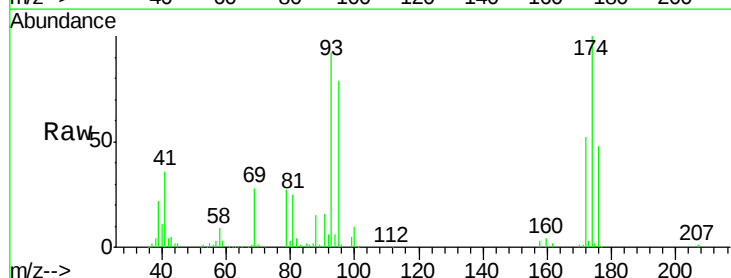
Tgt Ion: 93 Resp: 120524

Ion Ratio Lower Upper

93 100

95 83.6 67.5 101.3

174 107.6 88.4 132.6



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

80000

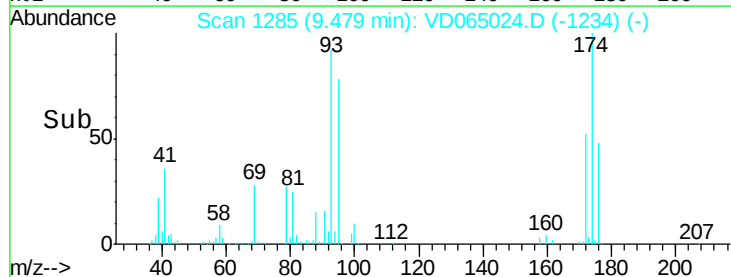
60000

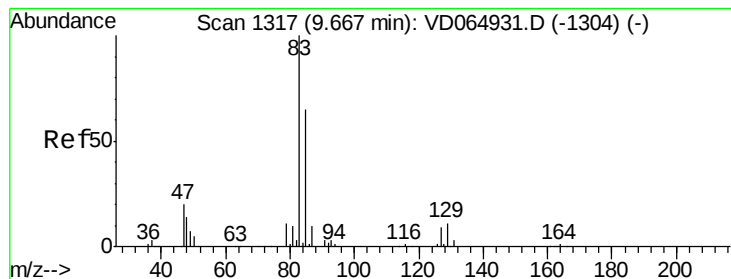
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 51.931 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Instrument :

MSVOA_D

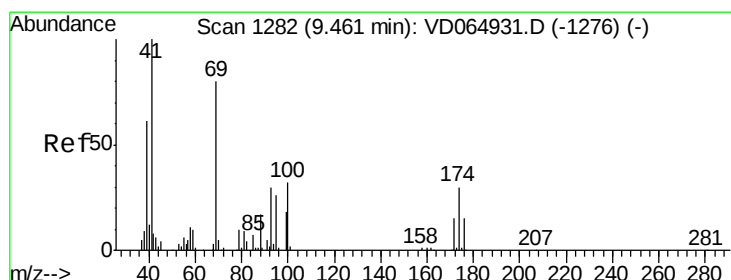
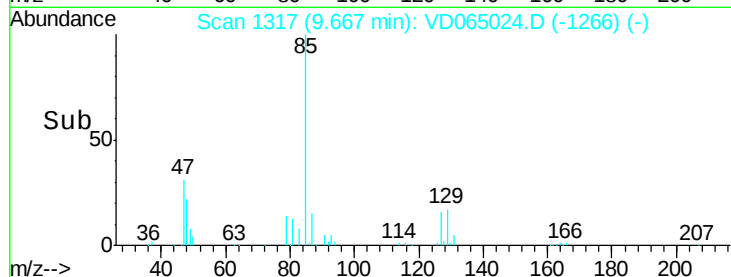
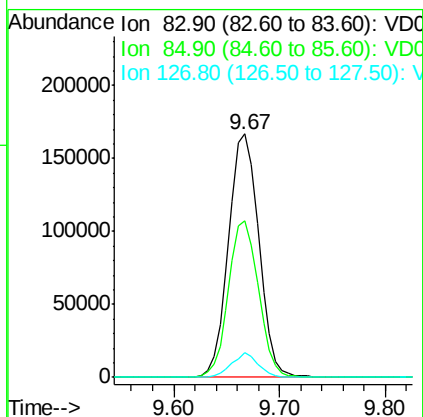
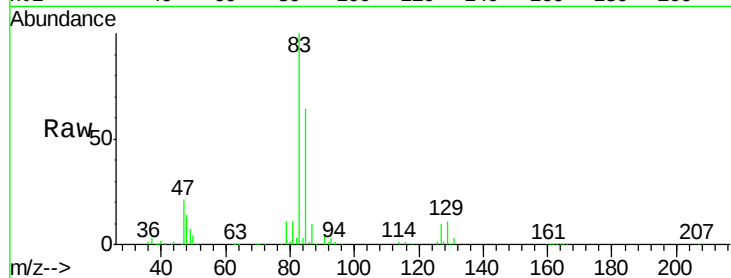
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	331946
Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.0	78.0
127	10.0	7.3	10.9

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#48

Methyl methacrylate

Concen: 49.251 ug/l

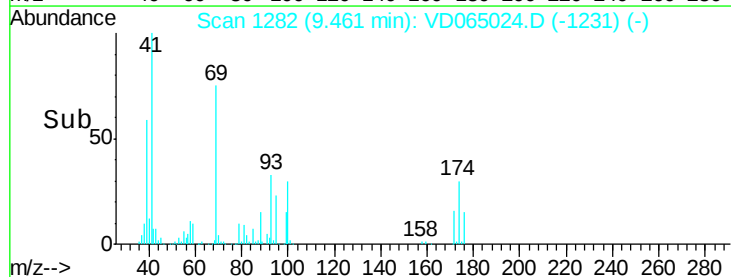
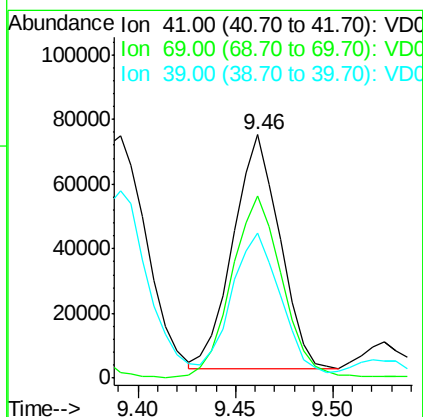
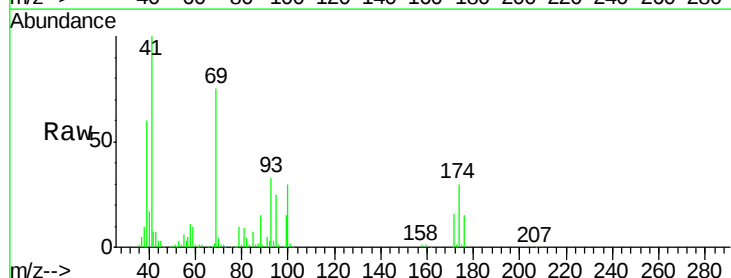
RT: 9.46 min Scan# 1282

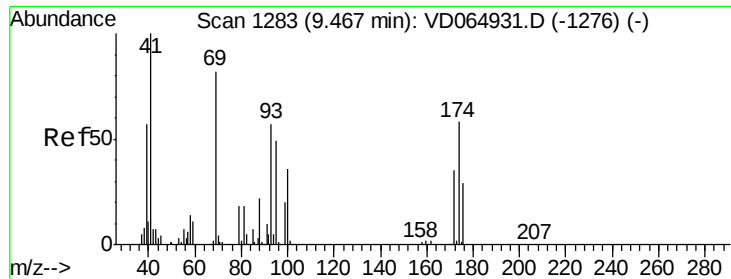
Delta R.T. -0.00 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Tgt Ion:	41	Resp:	119841
Ion	Ratio	Lower	Upper
41	100		
69	84.4	65.8	98.8
39	60.7	49.4	74.0





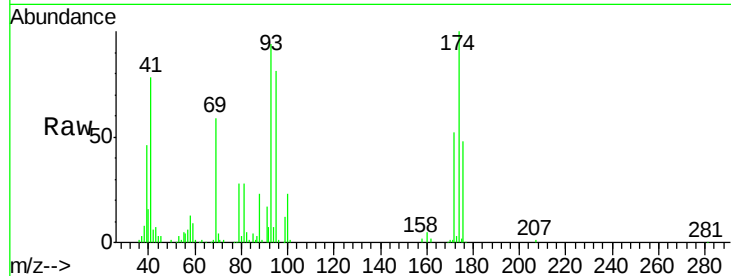
#49
 1,4-Dioxane
 Concen: 949.809 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VD065024.D
 Acq: 31 Jan 2020 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

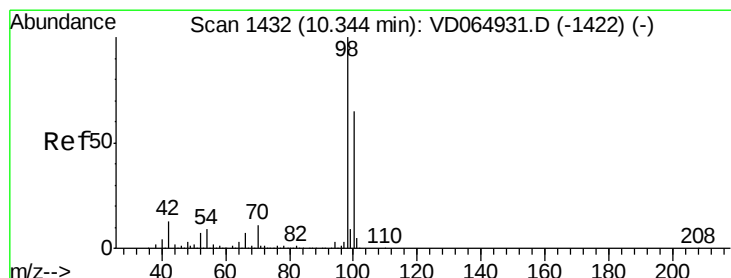
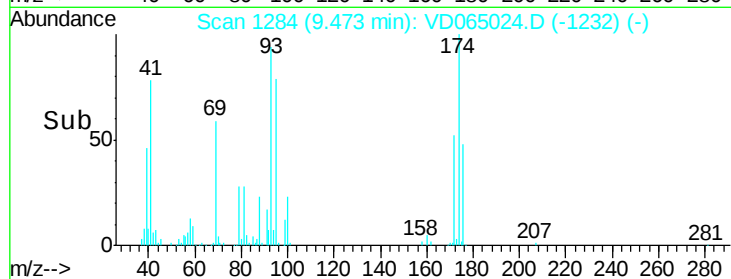
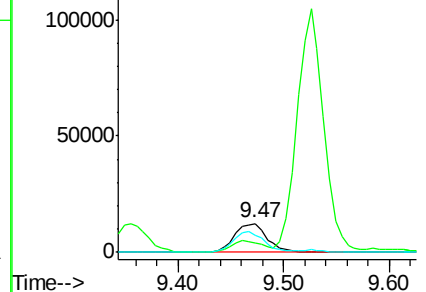
Tot Ion	88	Resp	27060
Ion	Ratio	Lower	Upper
88	100		
43	38.8	26.2	39.4
58	67.0	50.3	75.5

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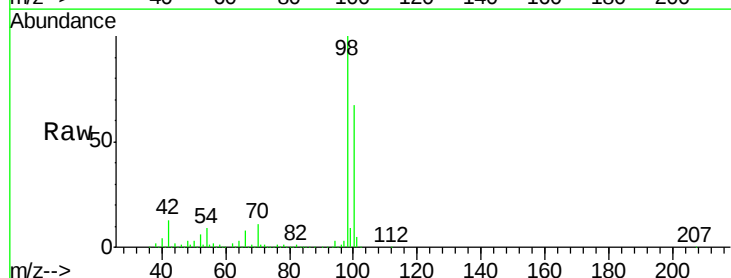


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

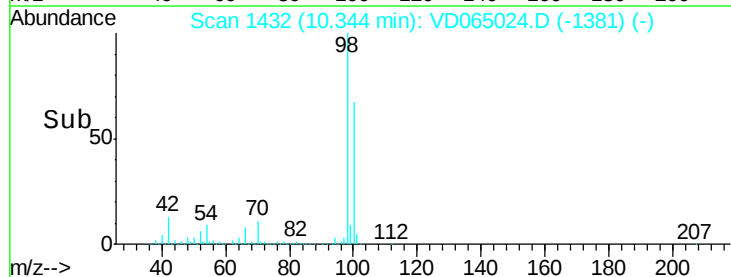
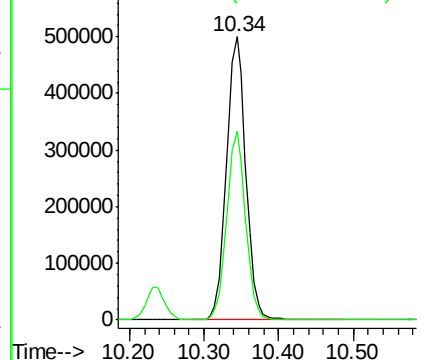


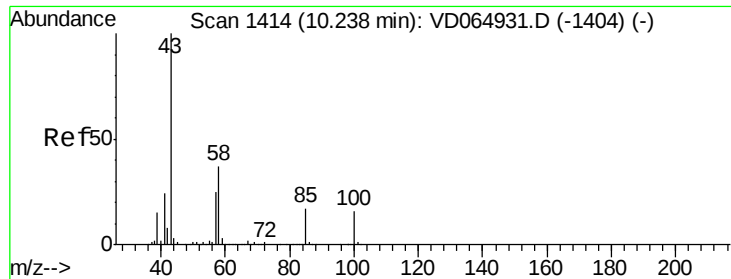
#50
 Toluene-d8
 Concen: 53.436 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: VD065024.D
 Acq: 31 Jan 2020 10:17

Tgt Ion	98	Resp	905762
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.3	78.5



Abundance Ion 98.00 (97.70 to 98.70): VDC
 Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 241.671 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 639387

Ion Ratio Lower Upper

43 100

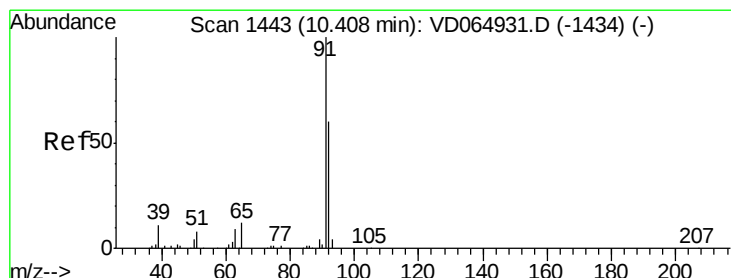
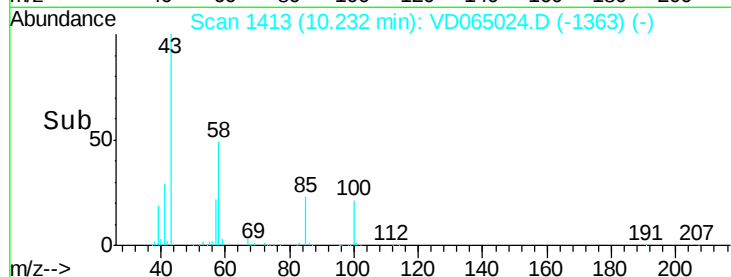
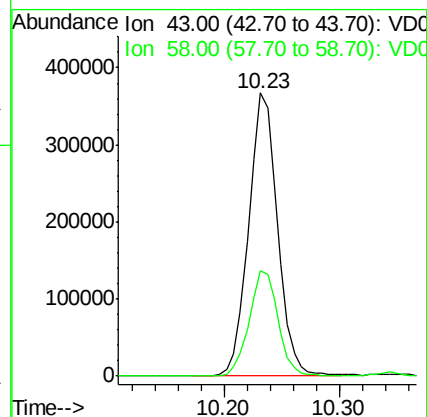
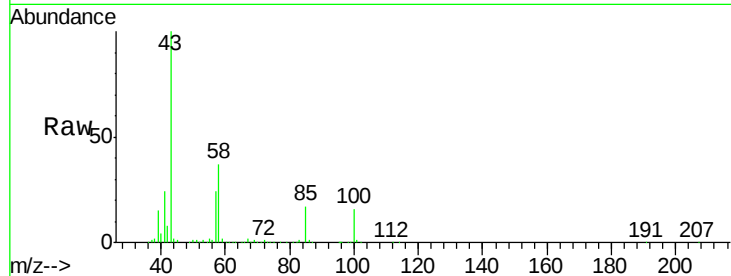
58 37.4 30.4 45.6

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#52

Toluene

Concen: 52.416 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065024.D

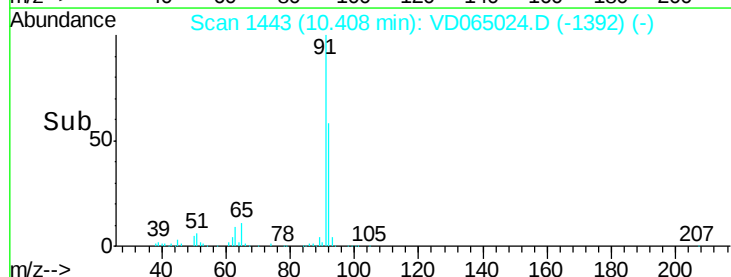
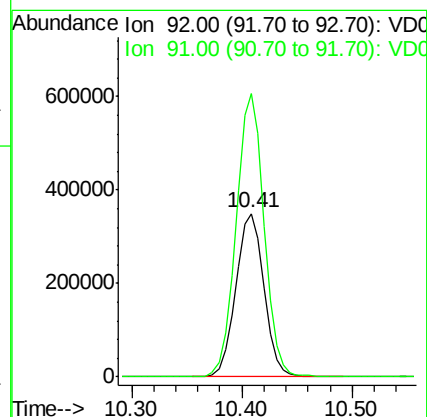
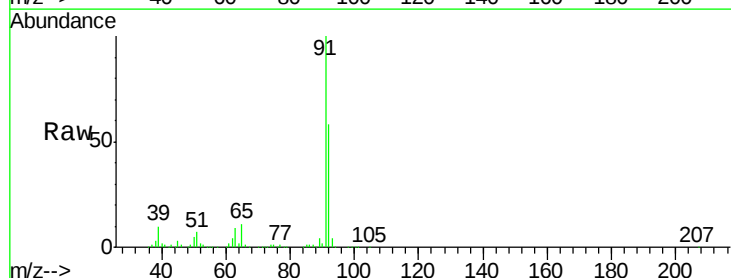
Acq: 31 Jan 2020 10:17

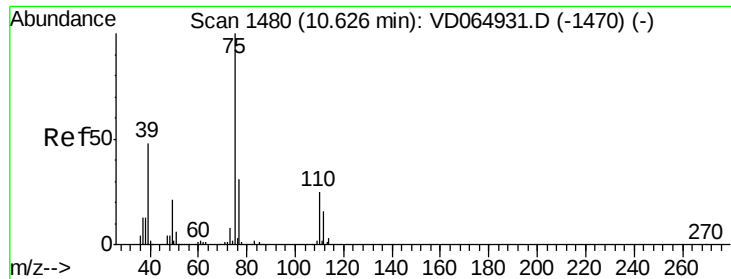
Tgt Ion: 92 Resp: 627219

Ion Ratio Lower Upper

92 100

91 171.9 136.8 205.2





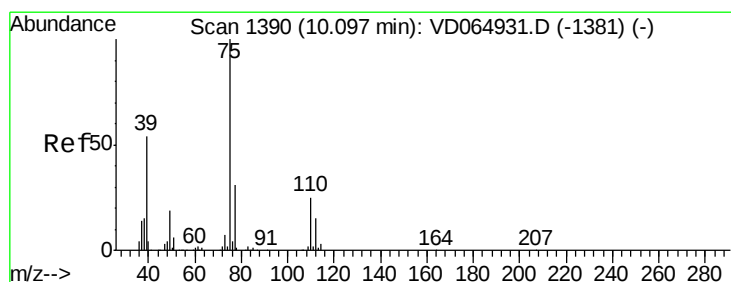
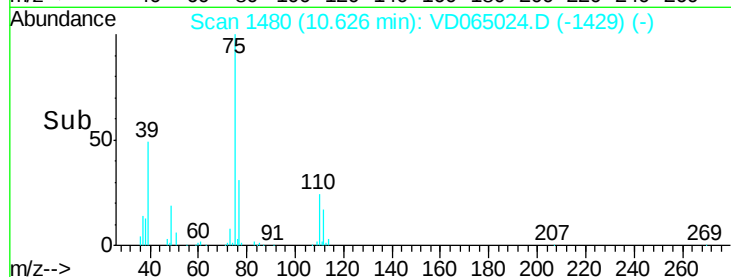
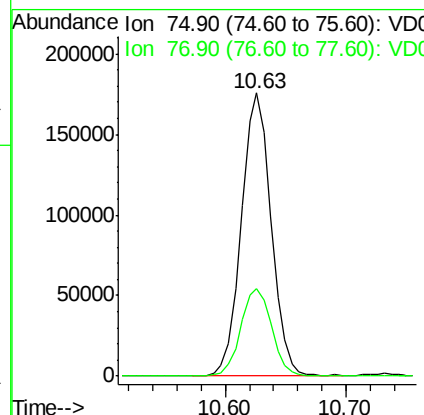
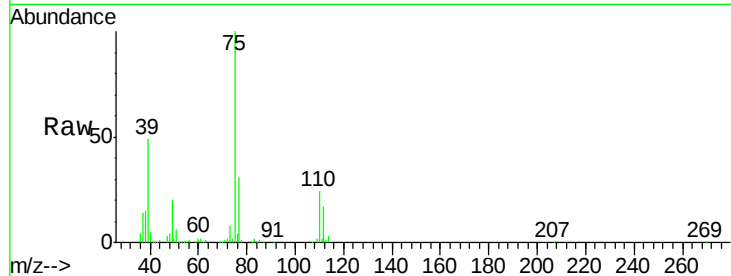
#53
t-1,3-Dichloropropene
Concen: 49.886 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	75	Resp	303746
Ion Ratio	Lower	Upper	
75	100		
77	31.0	25.0	37.6

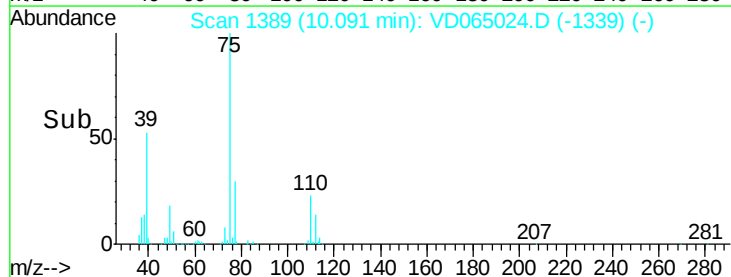
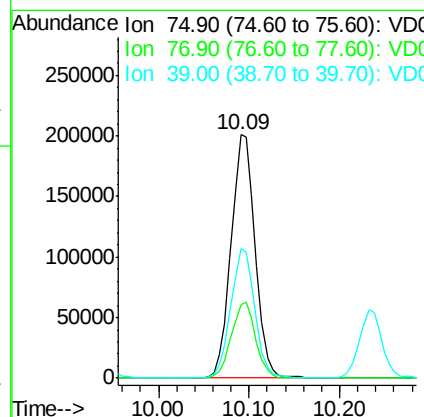
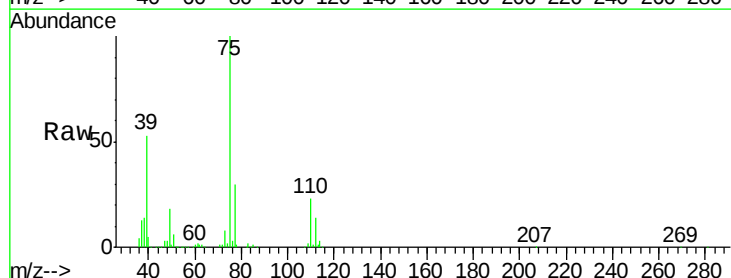
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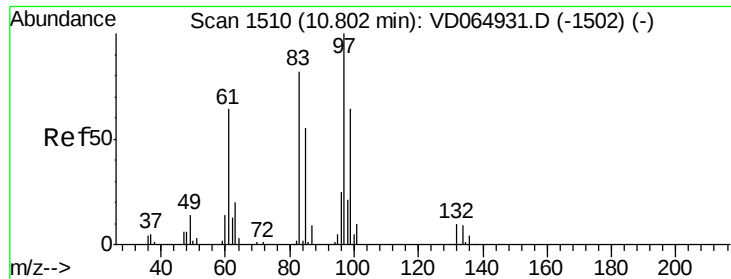
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#54
cis-1,3-Dichloropropene
Concen: 52.035 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Tgt Ion	75	Resp	370946
Ion Ratio	Lower	Upper	
75	100		
77	30.4	25.1	37.7
39	53.0	43.0	64.6





#55

1,1,2-Trichloroethane

Concen: 48.561 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Instrument :

MSVOA_D

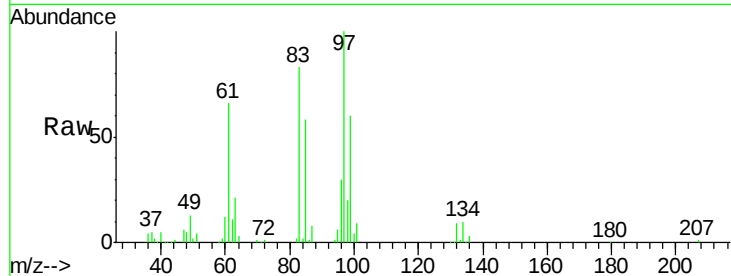
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	160683
Ion	Ratio	Lower	Upper
97	100		
83	83.1	66.0	99.0
85	58.3	44.4	66.6
99	60.4	51.4	77.0

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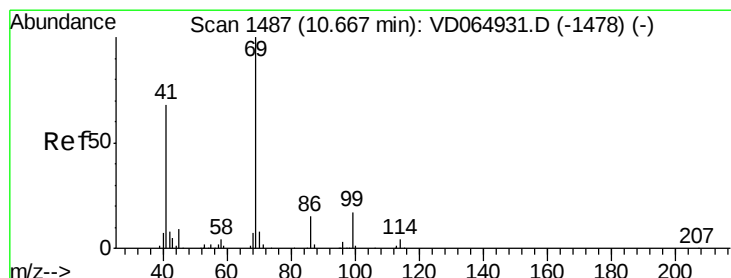
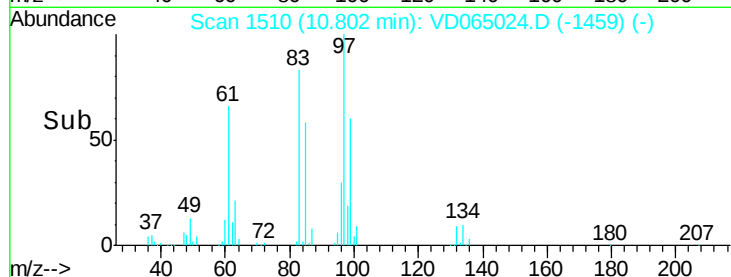
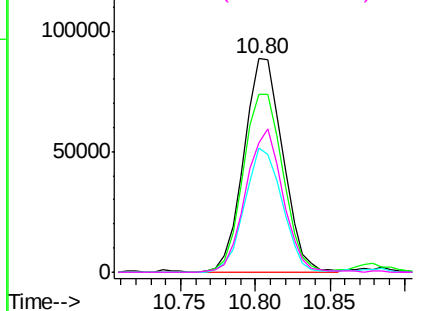


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 50.064 ug/l

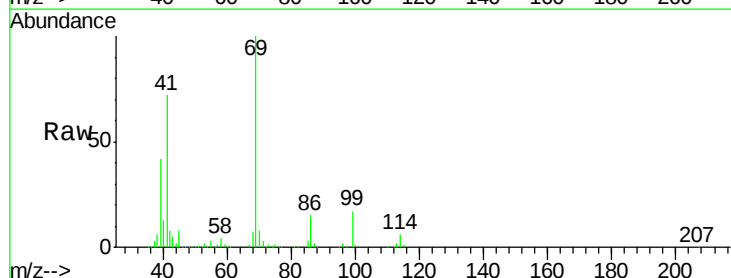
RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

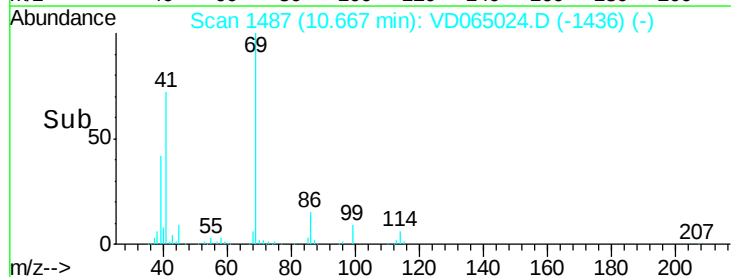
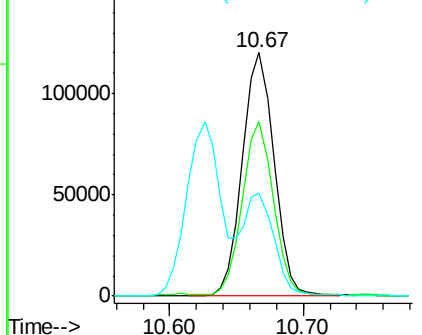
Tgt Ion:	69	Resp:	198095
Ion	Ratio	Lower	Upper
69	100		
41	69.4	56.4	84.6
39	39.2	30.6	46.0

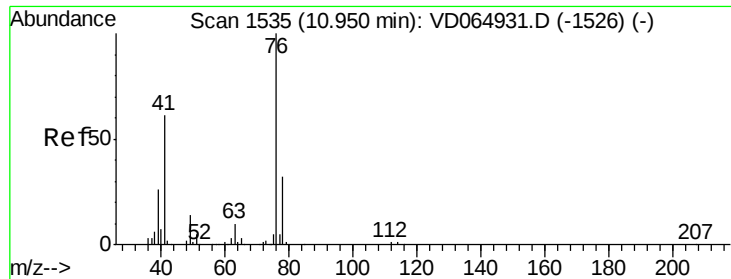


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 49.796 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 282606

Ion Ratio Lower Upper

76 100

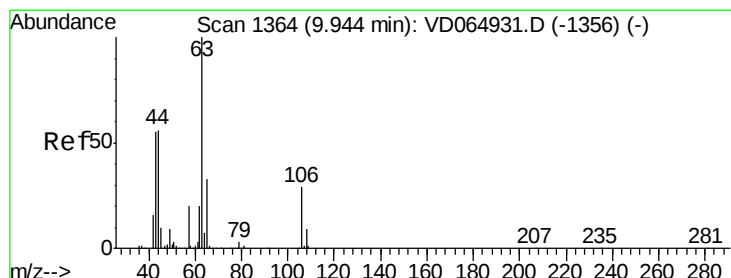
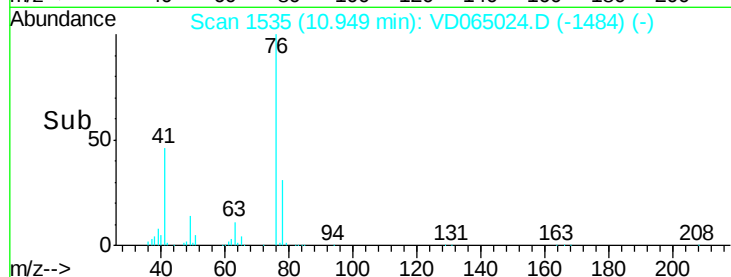
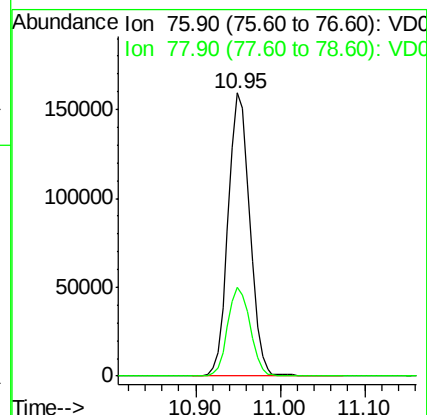
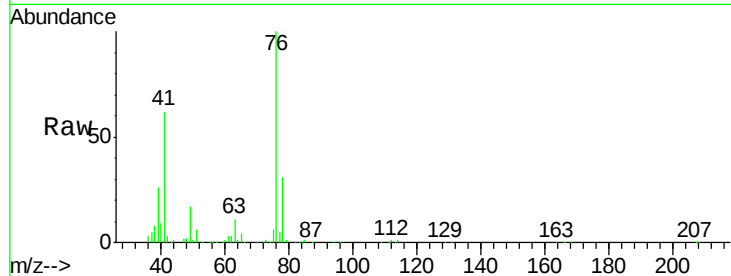
78 32.5 25.7 38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 247.137 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD065024.D

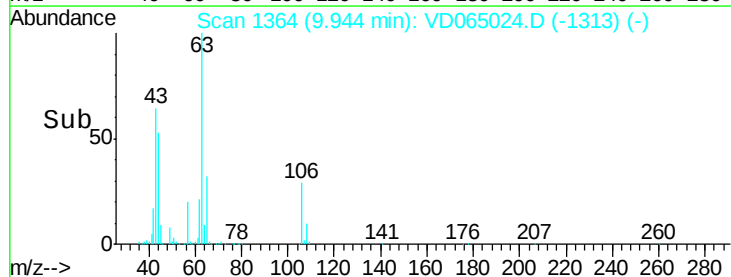
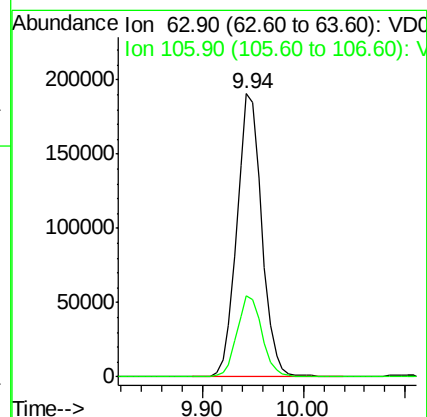
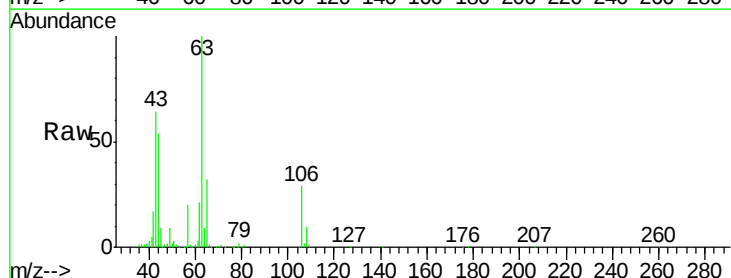
Acq: 31 Jan 2020 10:17

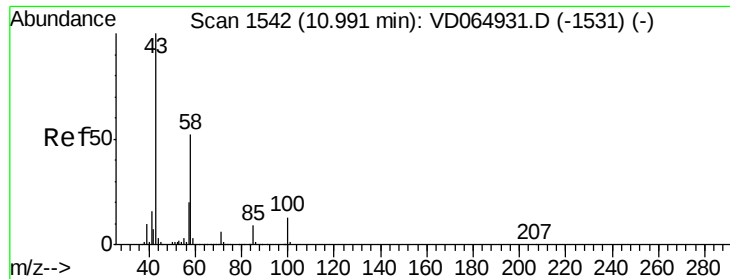
Tgt Ion: 63 Resp: 324877

Ion Ratio Lower Upper

63 100

106 28.9 23.0 34.4





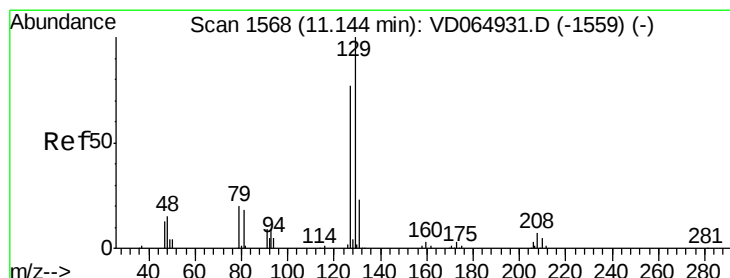
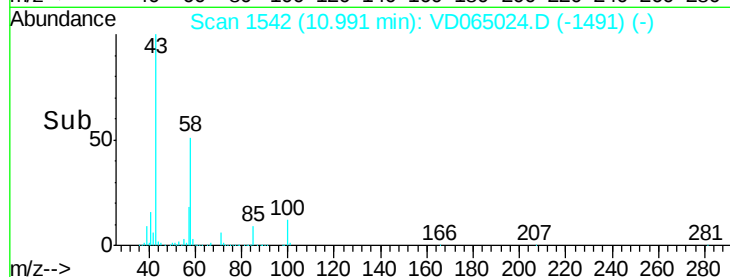
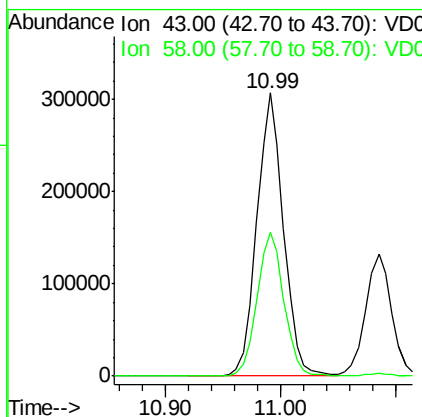
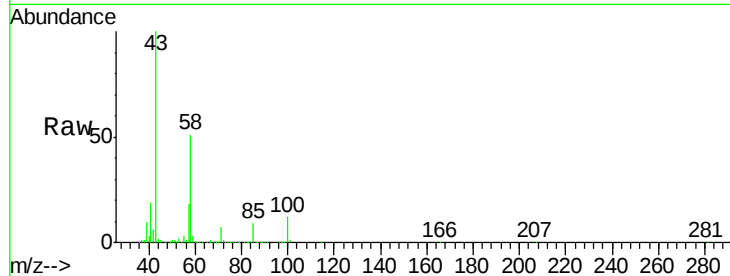
#59
2-Hexanone
Concen: 270.723 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 494050
Ion Ratio Lower Upper
43 100
58 51.4 26.5 79.4

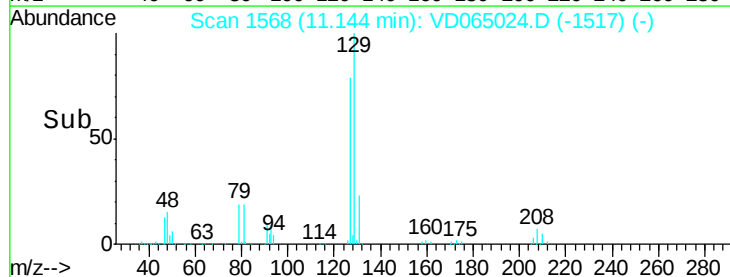
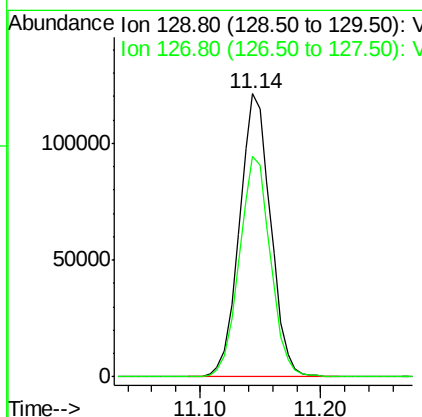
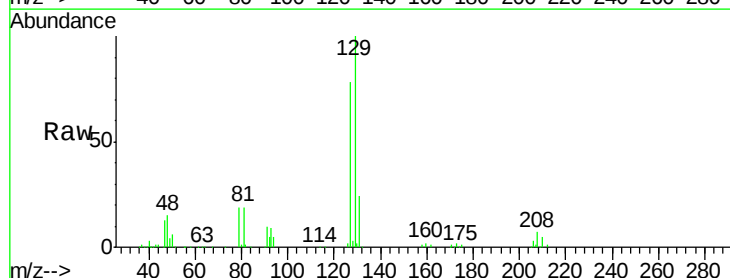
Manual Integrations
APPROVED

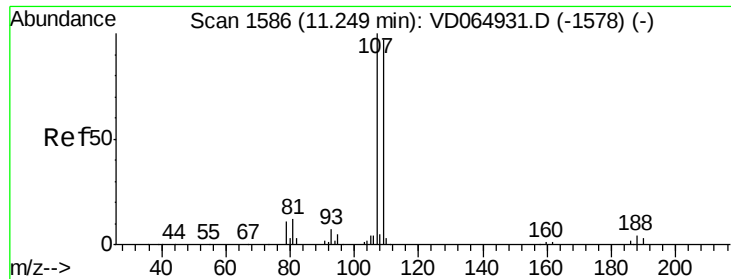
MMDadoda
2/3/2020 10:52:17 AM



#60
Dibromochloromethane
Concen: 49.360 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Tgt Ion: 129 Resp: 218294
Ion Ratio Lower Upper
129 100
127 77.9 38.2 114.6





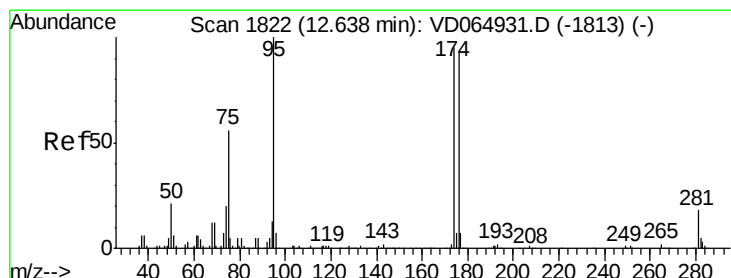
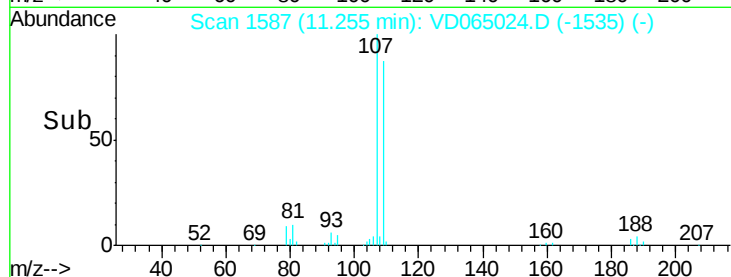
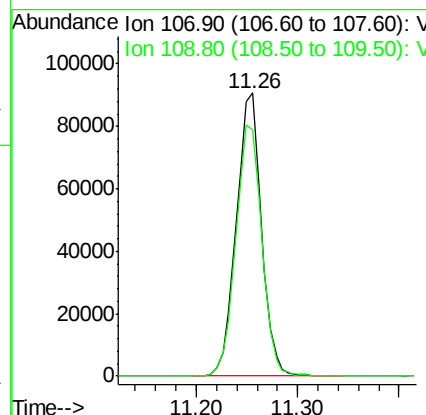
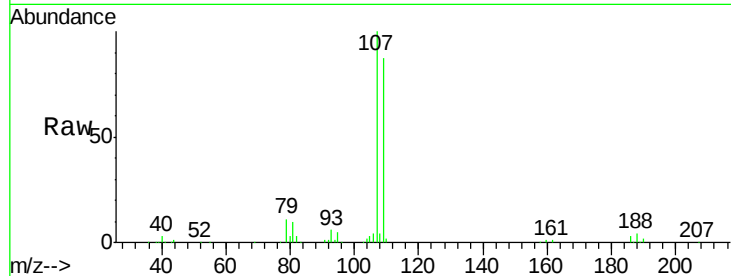
#61
 1,2-Dibromoethane
 Concen: 49.003 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD065024.D
 Acq: 31 Jan 2020 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.1	77.1	115.7

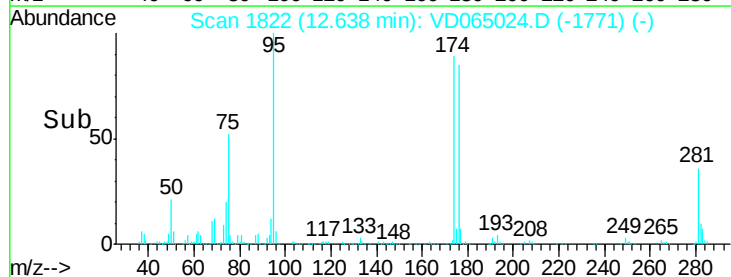
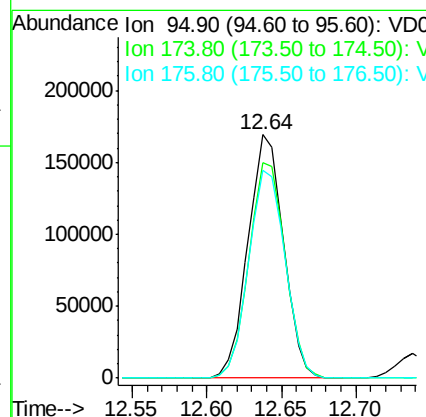
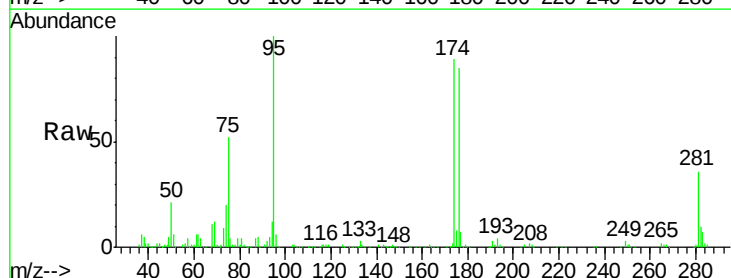
Manual Integrations
 APPROVED

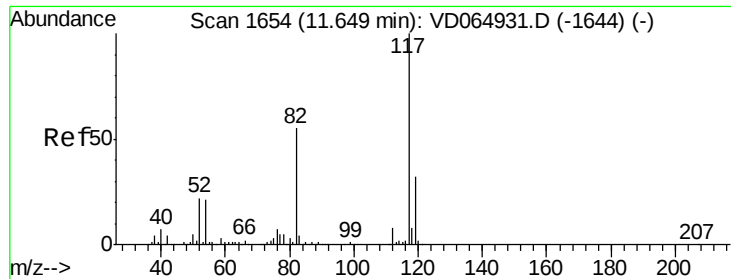
MMDadoda
 2/3/2020 10:52:17 AM



#62
 4-Bromofluorobenzene
 Concen: 53.700 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065024.D
 Acq: 31 Jan 2020 10:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	186.8
176	87.9	0.0	183.4





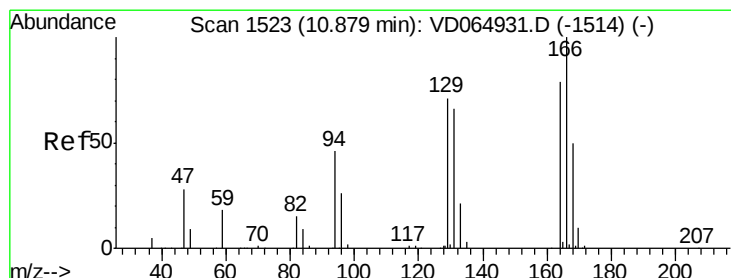
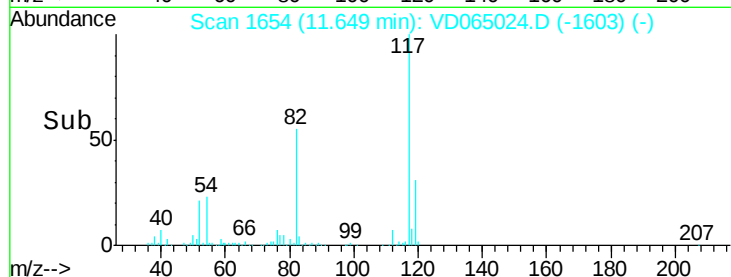
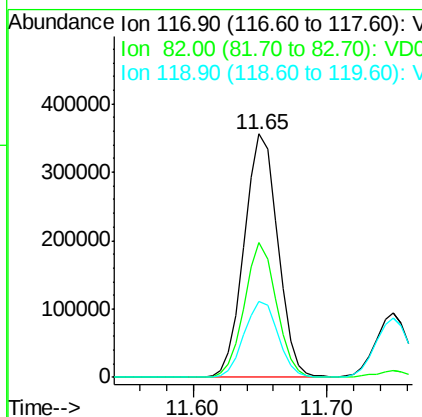
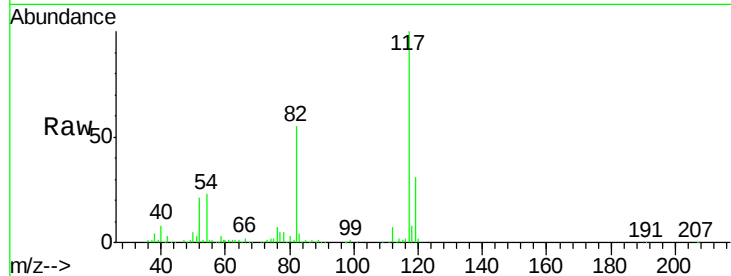
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	43.6	65.4
119	31.3	25.2	37.8

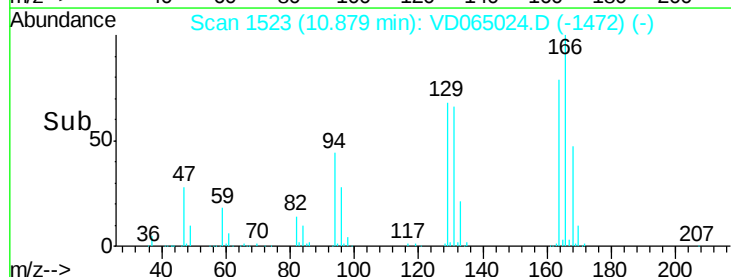
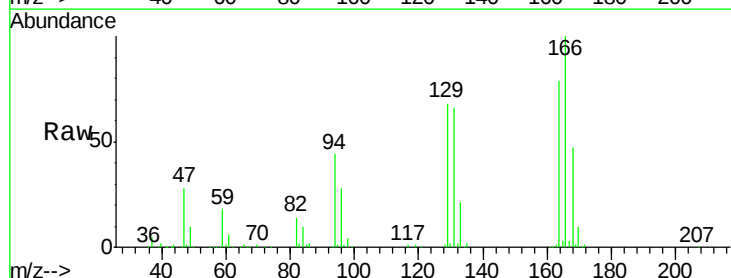
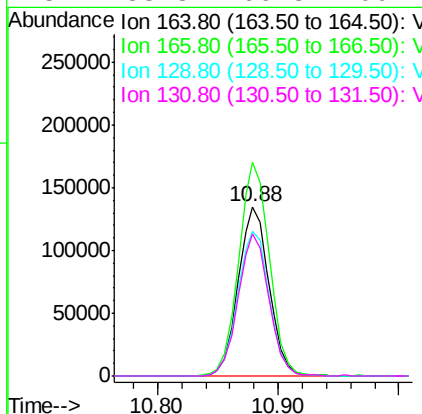
Manual Integrations
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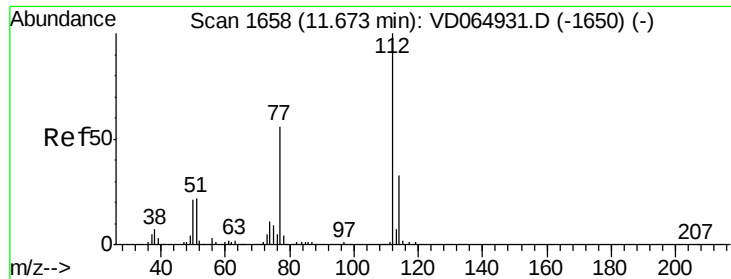
MMDadoda
2/3/2020 10:52:17 AM



#64
Tetrachloroethene
Concen: 53.556 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	101.4	152.2
129	85.6	71.8	107.8
131	83.8	66.8	100.2





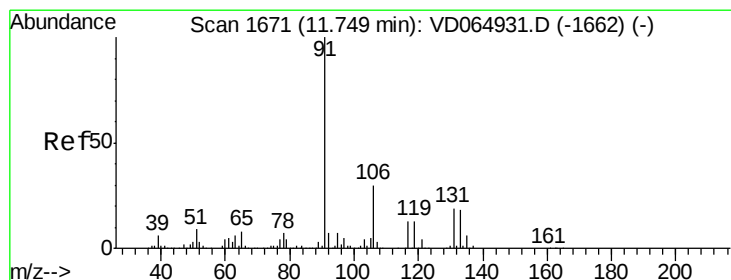
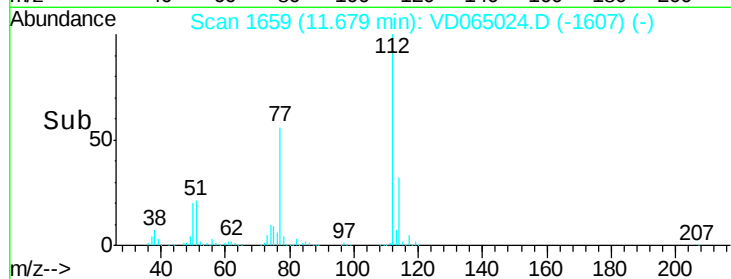
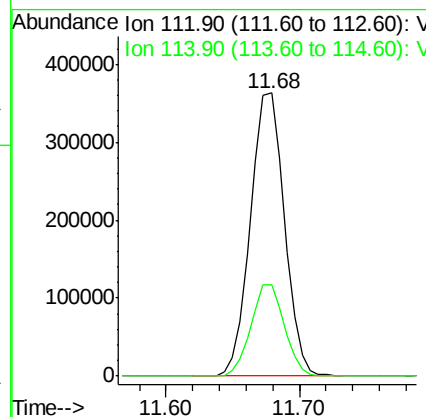
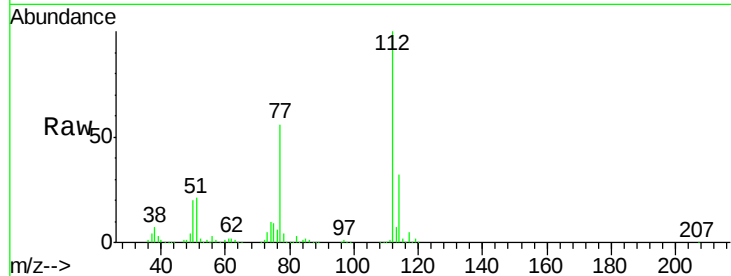
#65
Chlorobenzene
Concen: 50.796 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.2	39.4

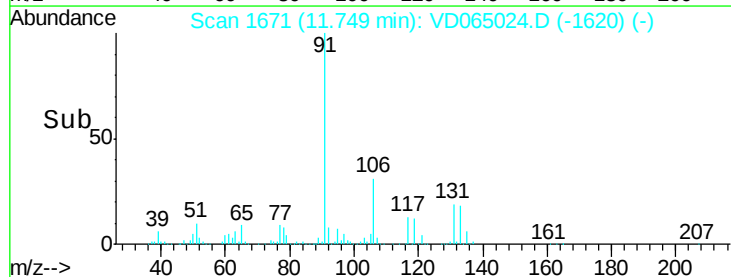
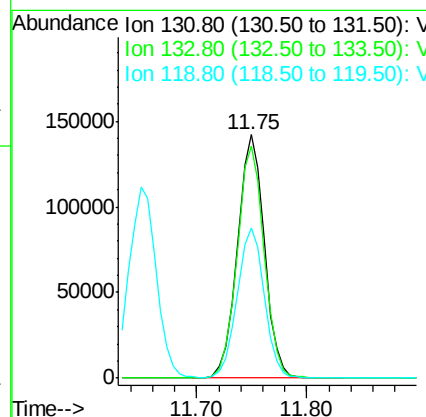
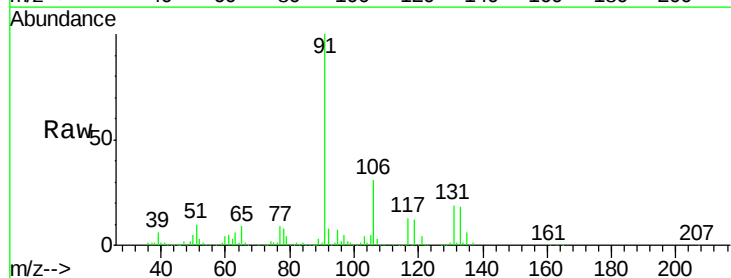
Manual Integrations
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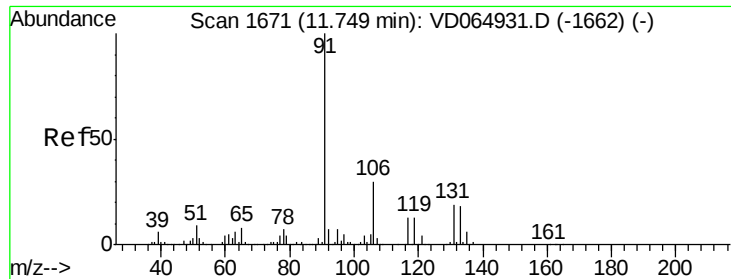
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.417 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.5	142.5
119	62.5	31.1	93.5





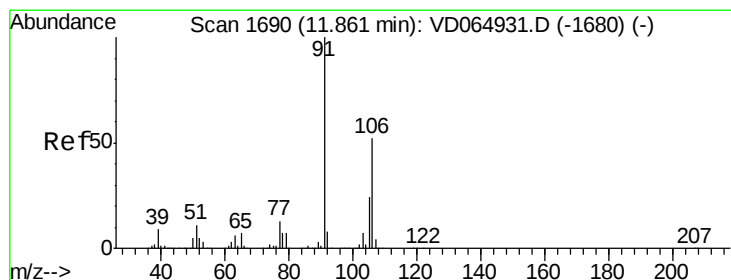
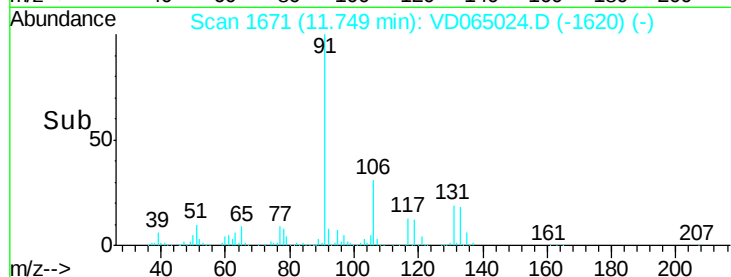
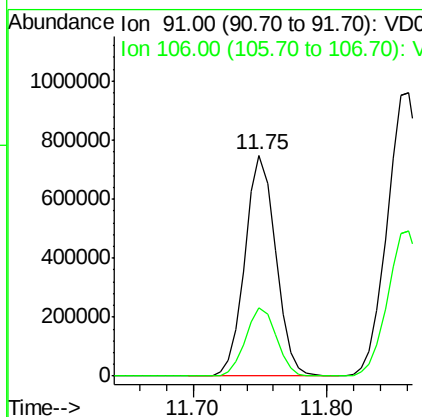
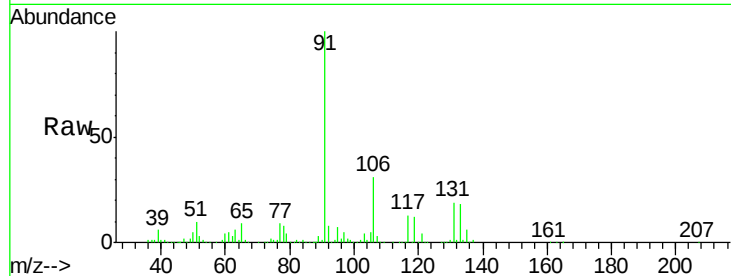
#67
Ethyl Benzene
Concen: 53.413 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1191942
Ion Ratio Lower Upper
91 100
106 31.0 24.3 36.5

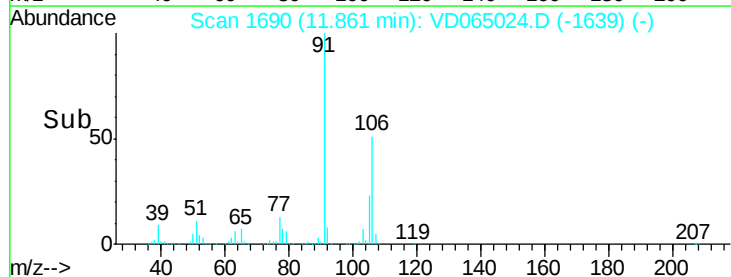
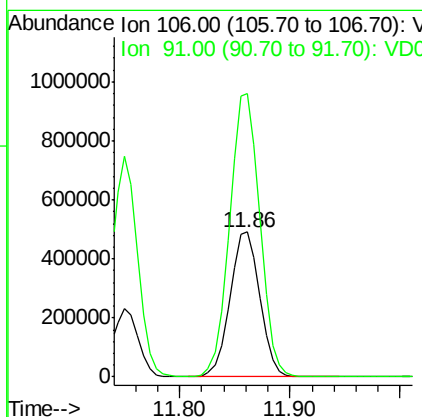
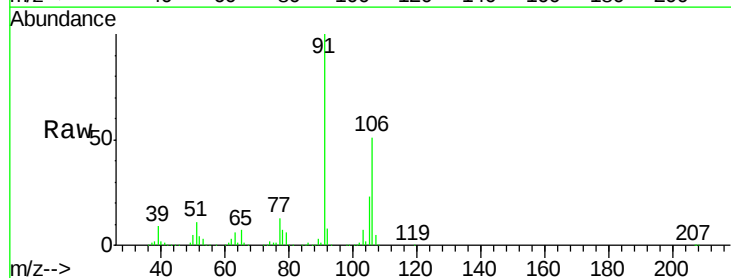
Manual Integrations
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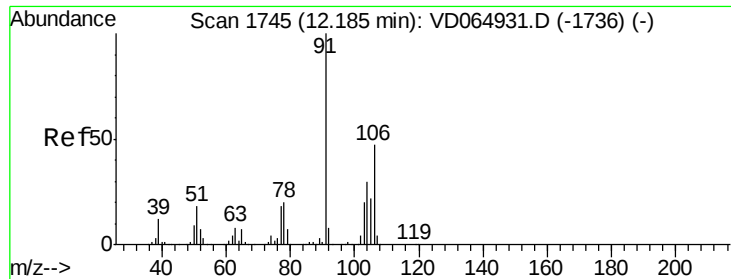
MMDadoda
2/3/2020 10:52:17 AM



#68
m/p-Xylenes
Concen: 107.965 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Tgt Ion: 106 Resp: 927640
Ion Ratio Lower Upper
106 100
91 199.2 159.0 238.4





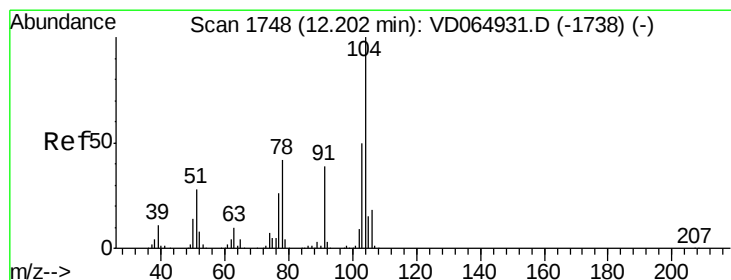
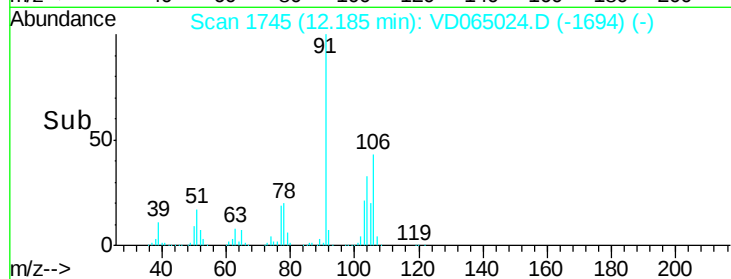
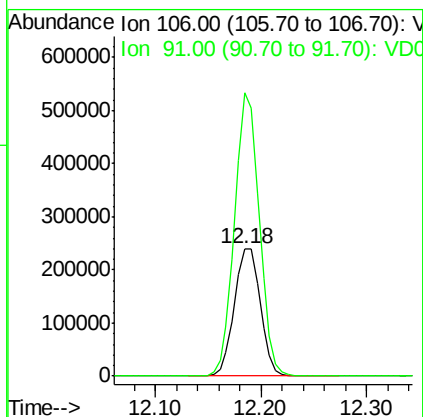
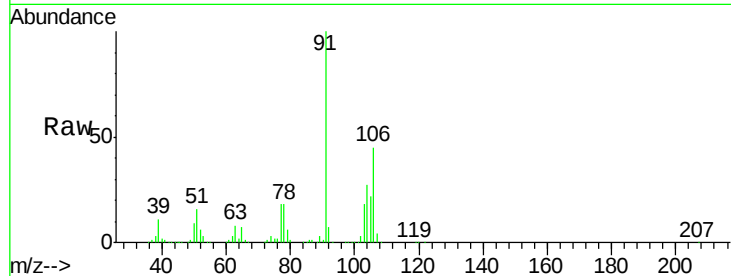
#69
o-Xylene
Concen: 53.687 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.2	106.7	319.9

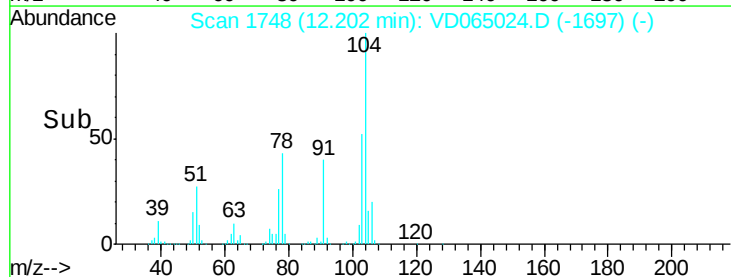
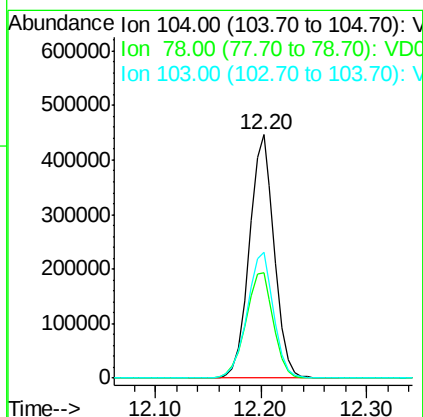
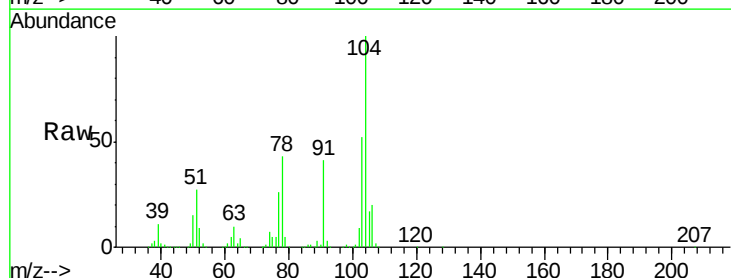
Manual Integrations
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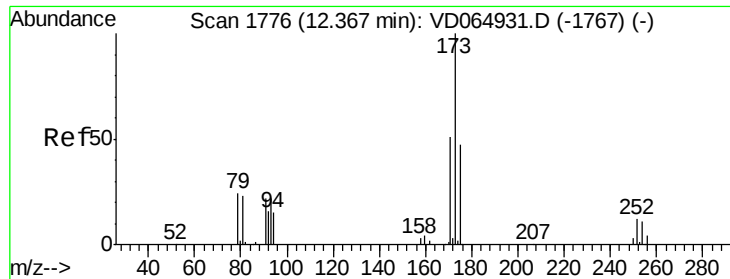
MMDadoda
2/3/2020 10:52:17 AM



#70
Styrene
Concen: 53.782 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.0	38.3	57.5
103	55.1	43.5	65.3





#71

Bromoform

Concen: 47.563 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Instrument :

MSVOA_D

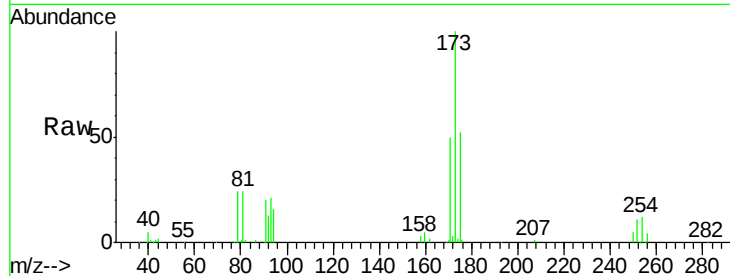
ClientSampleId :

VSTDCCC050

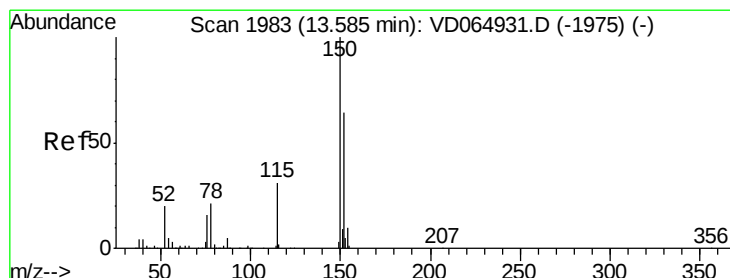
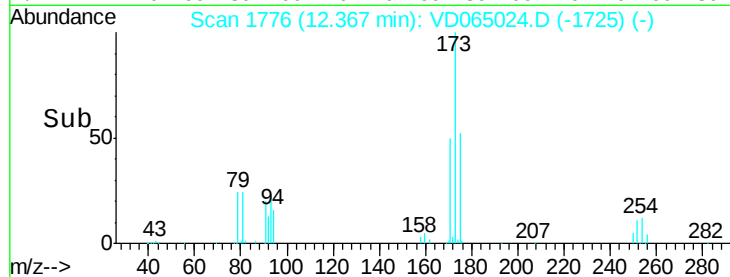
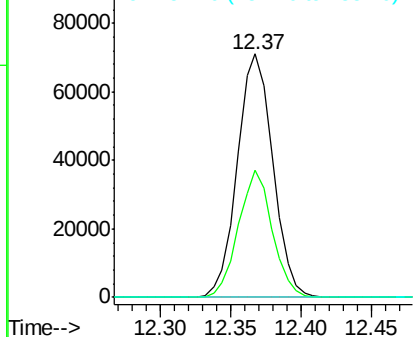
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.6	73.8
254	0.1	0.1	0.1

Manual Integrations
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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

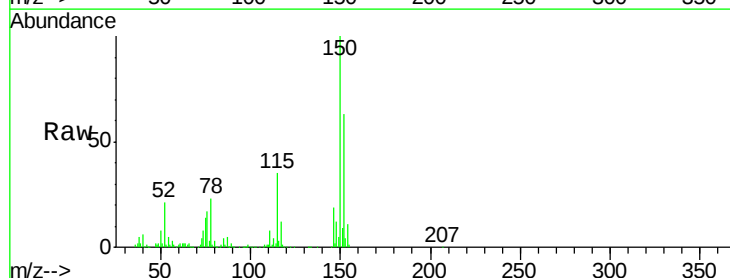
RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

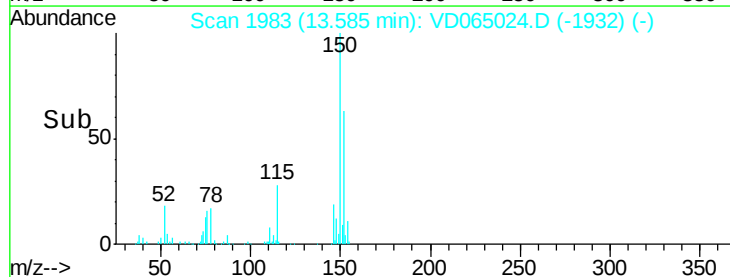
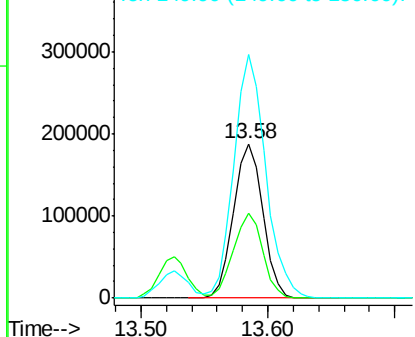
Lab File: VD065024.D

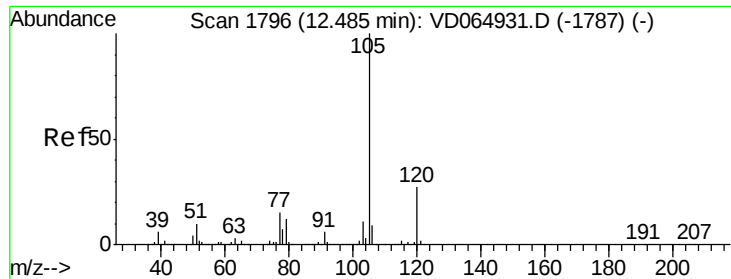
Acq: 31 Jan 2020 10:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	28.1	84.4
150	171.0	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





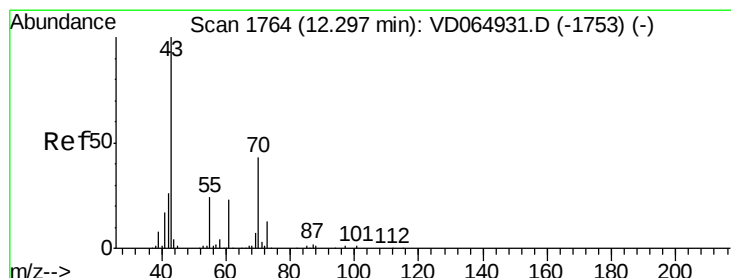
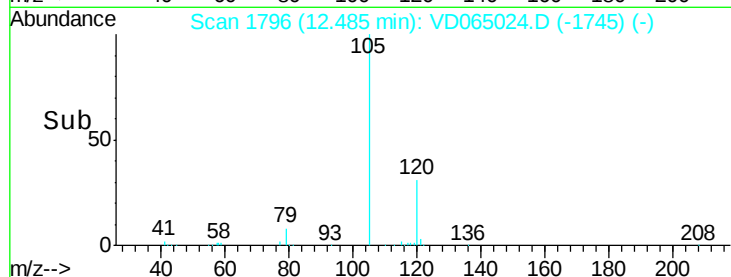
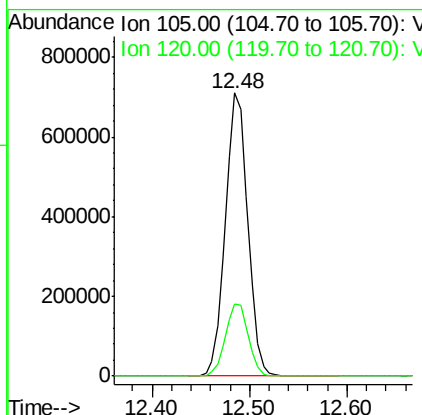
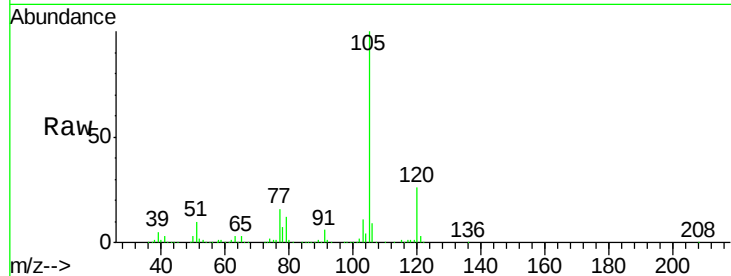
#73
Isopropylbenzene
Concen: 54.955 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1127897
Ion Ratio Lower Upper
105 100
120 26.1 13.3 39.8

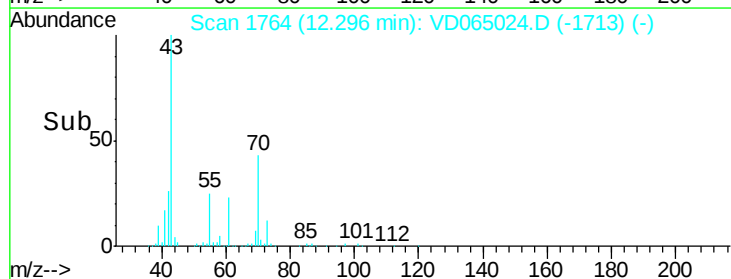
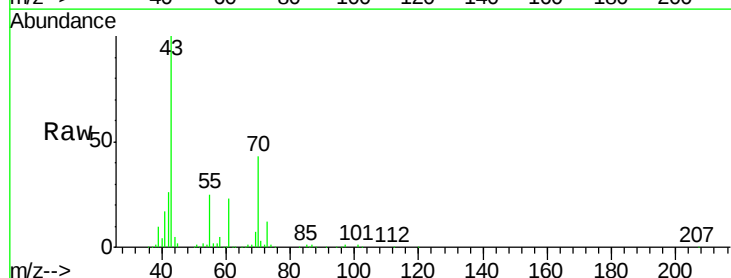
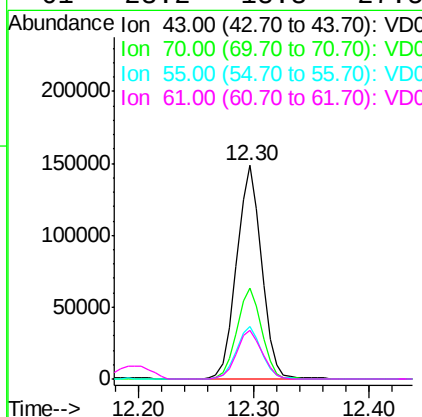
Manual Integrations
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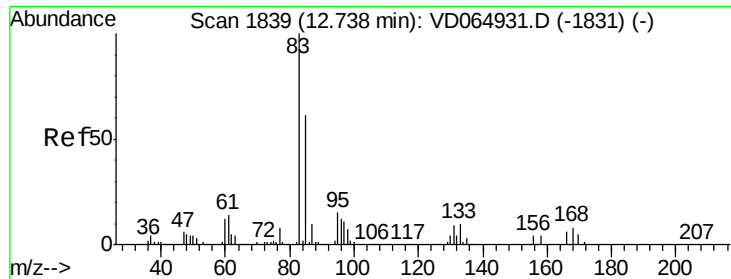
MMDadoda
2/3/2020 10:52:17 AM



#74
N-ethyl acetate
Concen: 48.577 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Tgt Ion: 43 Resp: 223096
Ion Ratio Lower Upper
43 100
70 42.2 32.6 49.0
55 24.9 19.9 29.9
61 23.2 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.780 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Instrument :

MSVOA_D

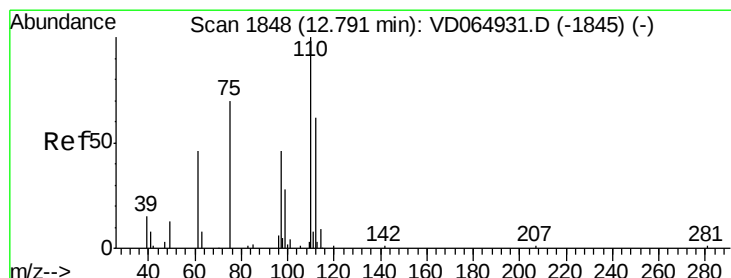
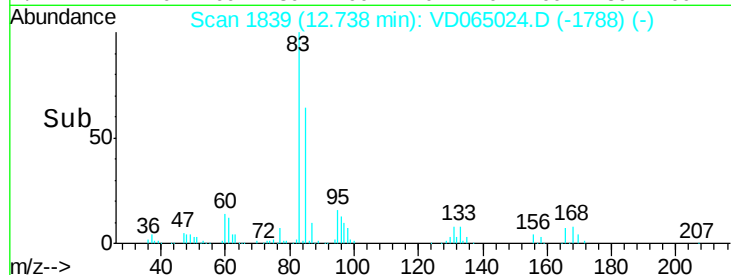
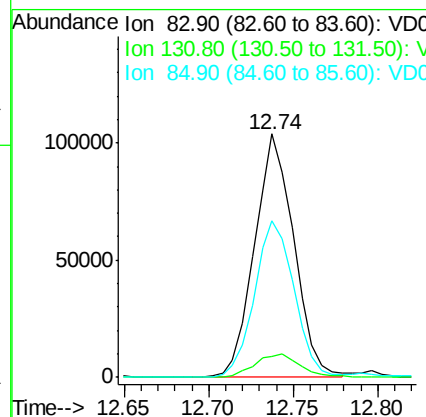
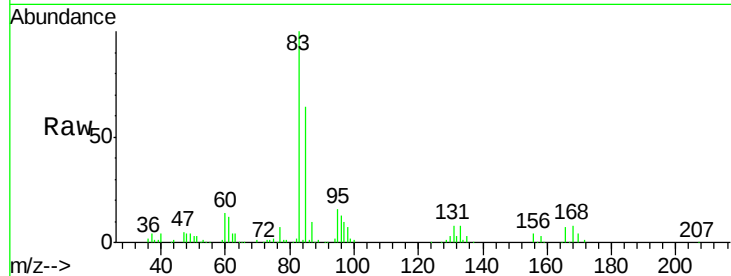
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	168267
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.4
85	64.8	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 54.372 ug/l m

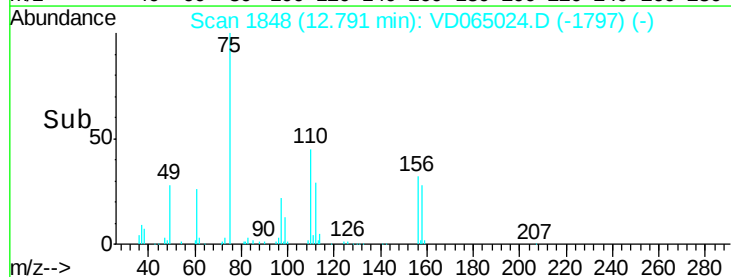
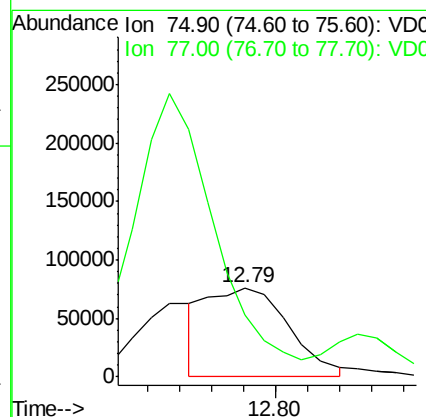
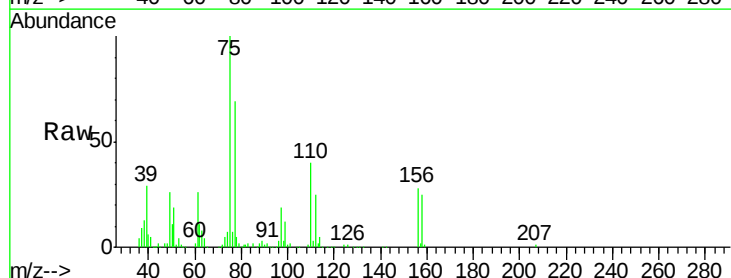
RT: 12.79 min Scan# 1848

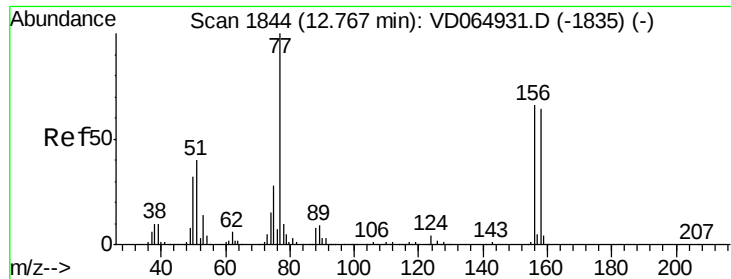
Delta R.T. -0.00 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Tgt Ion:	75	Resp:	135515
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.489 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Instrument :

MSVOA_D

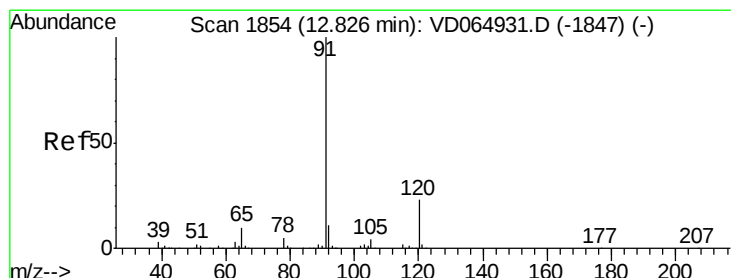
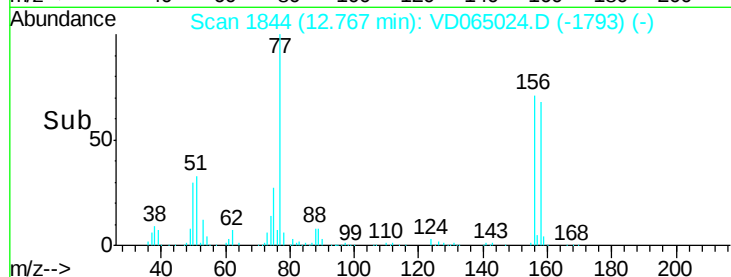
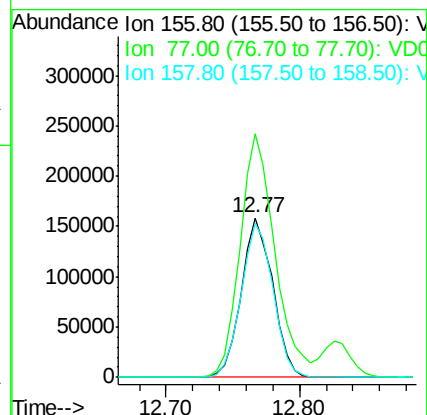
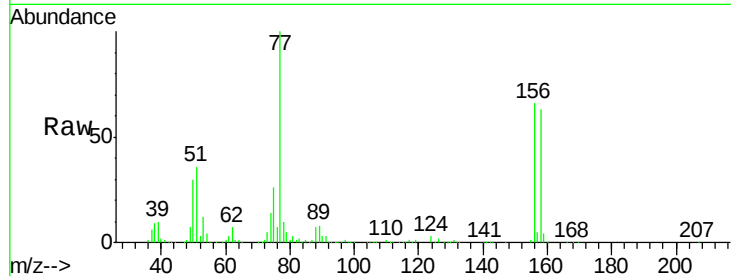
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	258564
Ion Ratio	Lower	Upper	
156	100		
77	169.4	84.2	252.5
158	97.5	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 55.121 ug/l

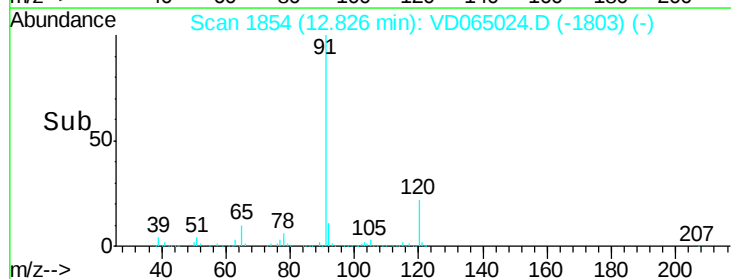
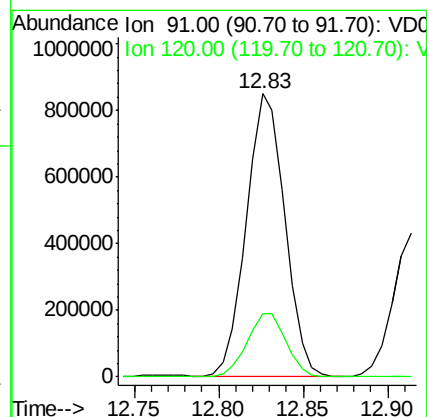
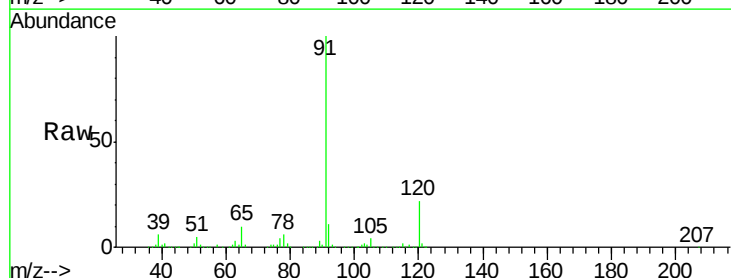
RT: 12.83 min Scan# 1854

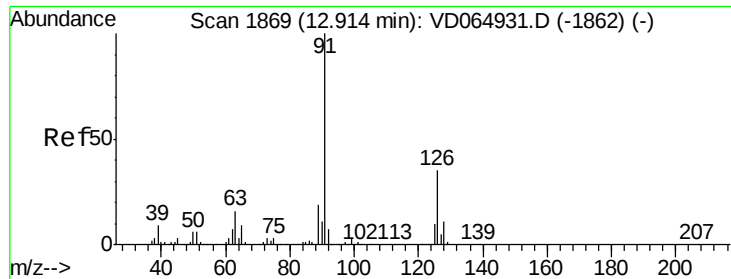
Delta R.T. -0.00 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Tgt Ion:	91	Resp:	1345404
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.7	35.1





#79

2-Chlorotoluene

Concen: 53.701 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 719049

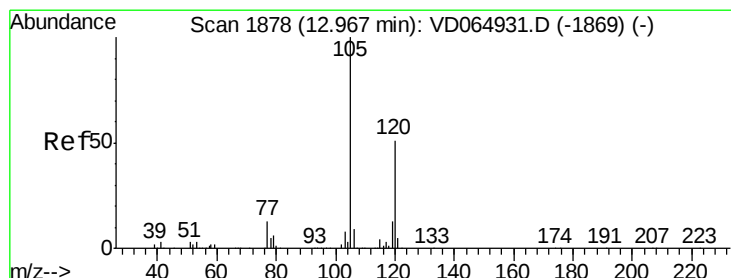
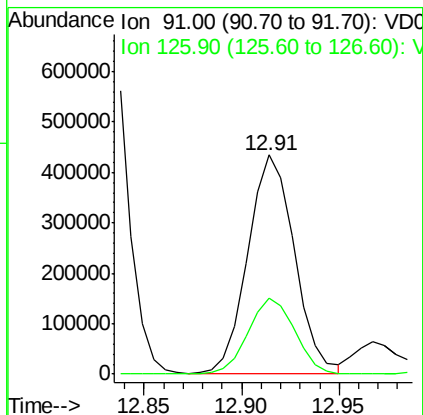
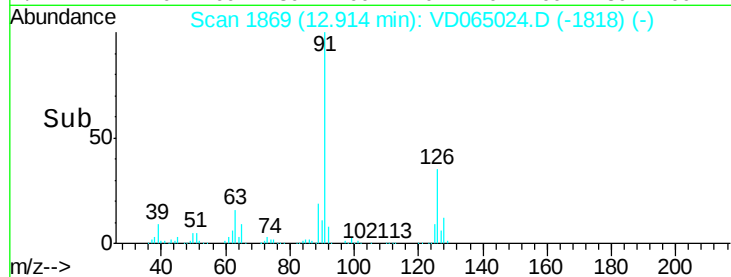
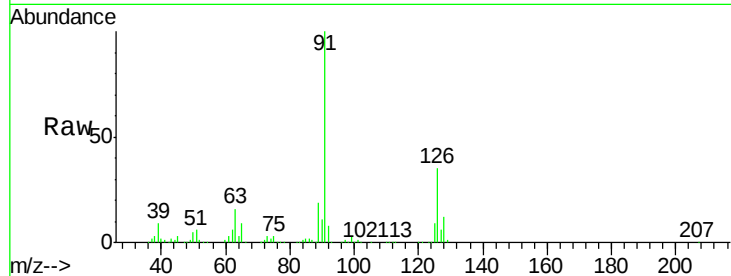
Ion Ratio Lower Upper

91 100

126 34.7 17.9 53.8

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#80

1,3,5-Trimethylbenzene

Concen: 54.710 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065024.D

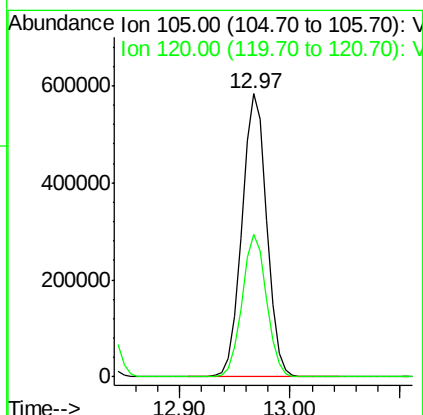
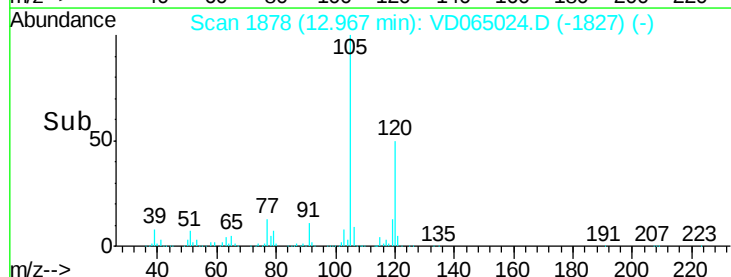
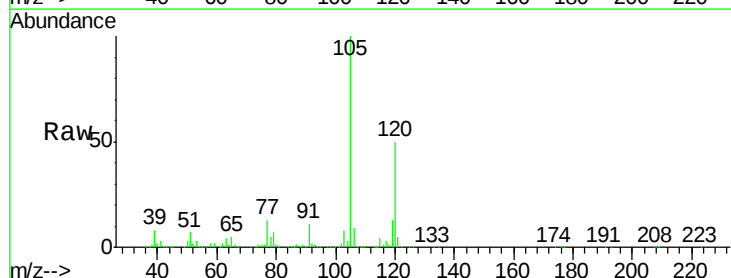
Acq: 31 Jan 2020 10:17

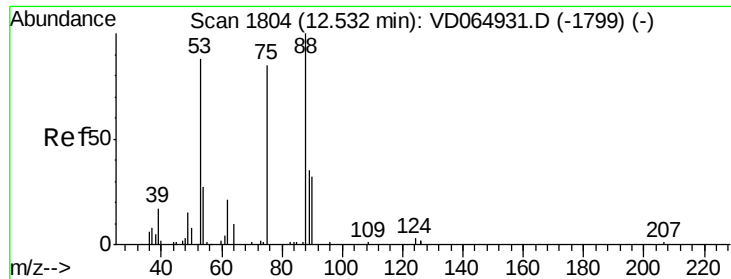
Tgt Ion:105 Resp: 920189

Ion Ratio Lower Upper

105 100

120 49.8 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 50.019 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Instrument :

MSVOA_D

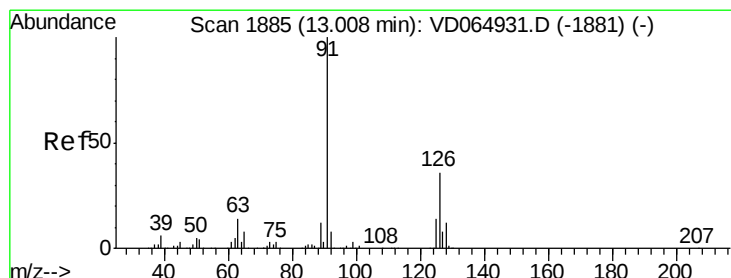
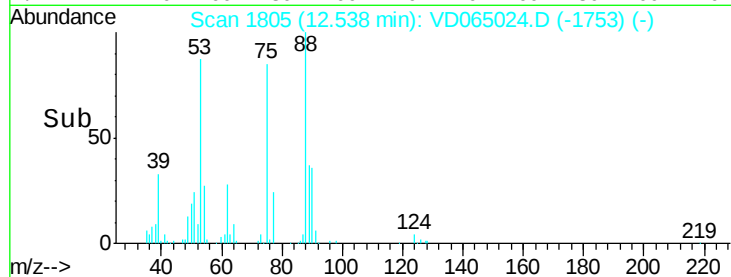
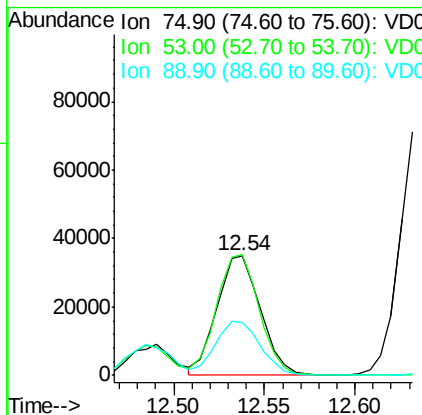
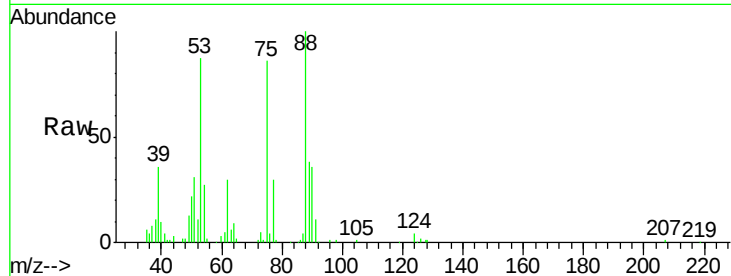
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	58385
Ion Ratio	Lower	Upper	
75	100		
53	98.6	81.0	121.4
89	46.4	36.2	54.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.128 ug/l

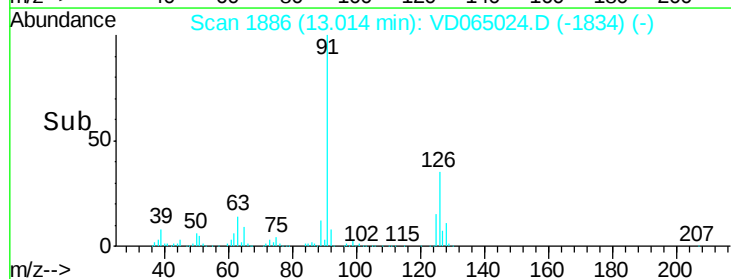
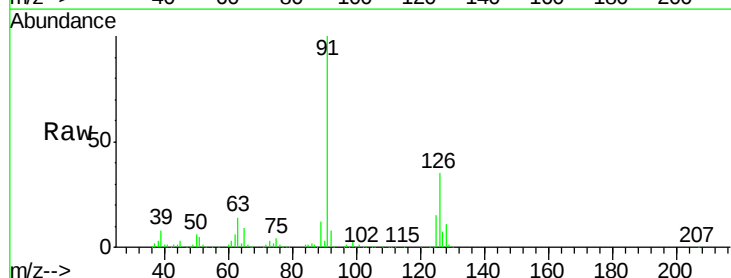
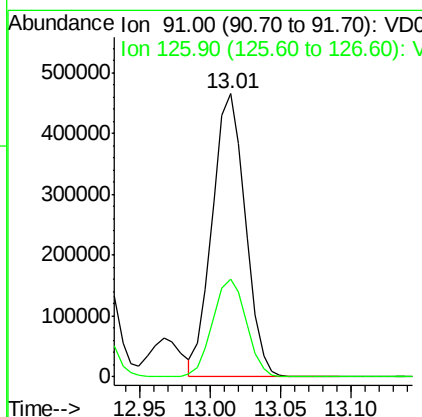
RT: 13.01 min Scan# 1886

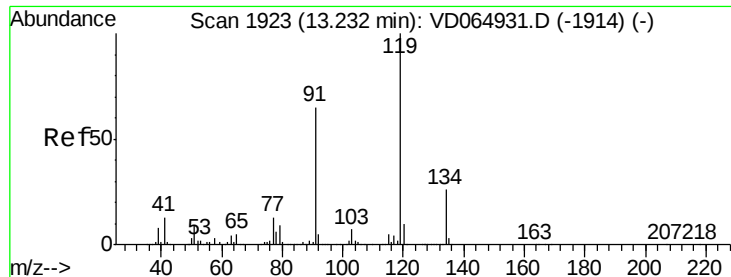
Delta R.T. 0.01 min

Lab File: VD065024.D

Acq: 31 Jan 2020 10:17

Tgt Ion:	91	Resp:	754416
Ion Ratio	Lower	Upper	
91	100		
126	35.5	18.0	54.0





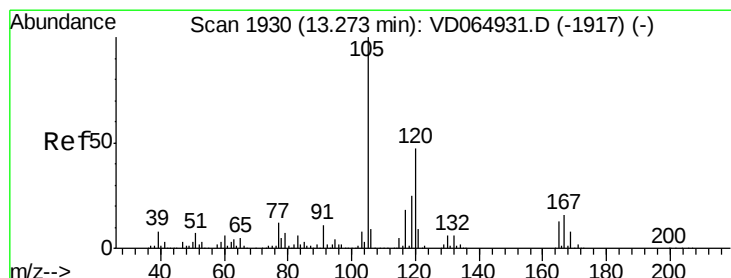
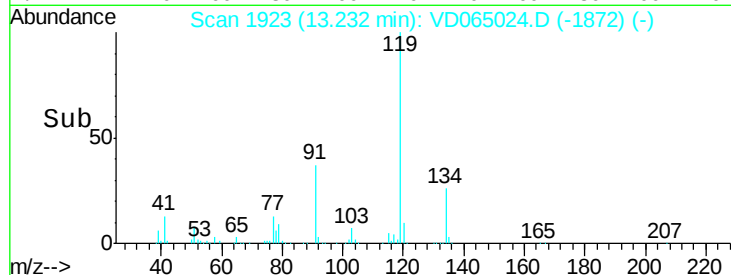
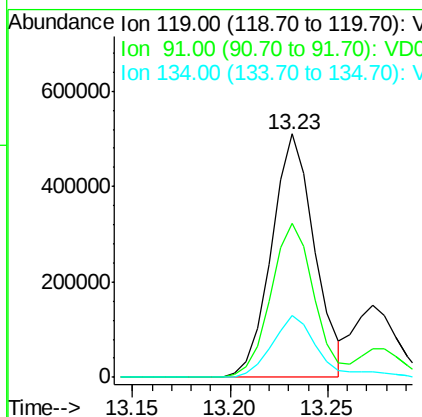
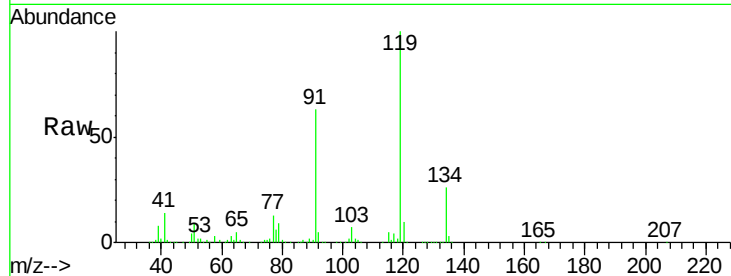
#83
 tert-Butylbenzene
 Concen: 54.632 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065024.D
 Acq: 31 Jan 2020 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	32.0	96.0
134	27.3	13.9	41.6

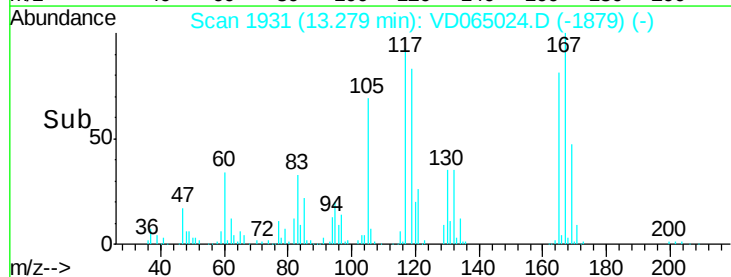
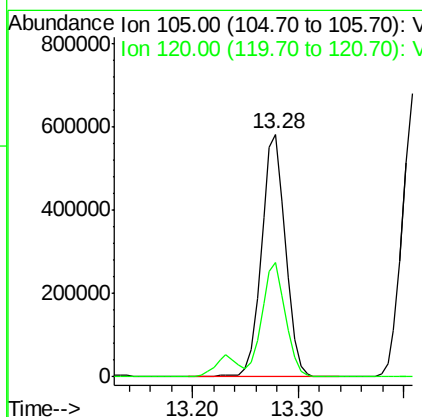
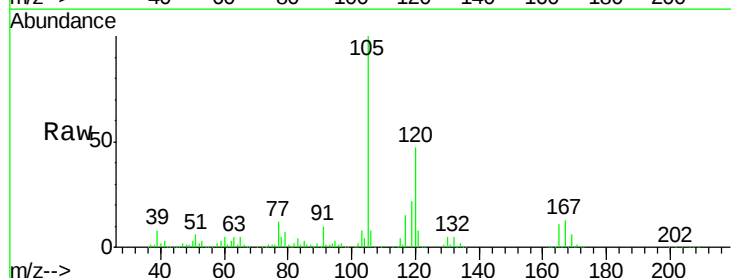
Manual Integrations
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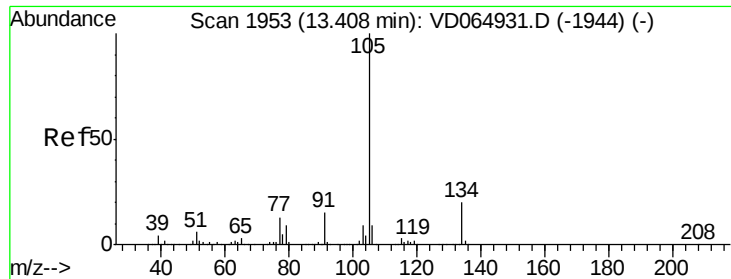
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.850 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD065024.D
 Acq: 31 Jan 2020 10:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.3





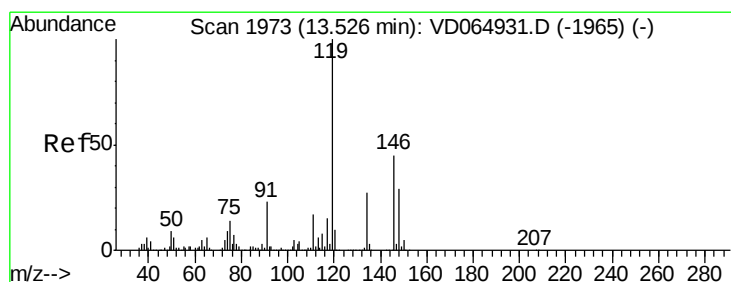
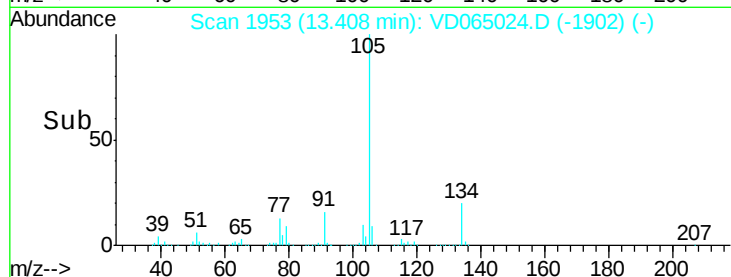
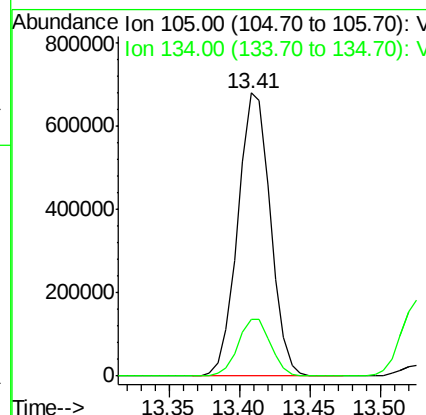
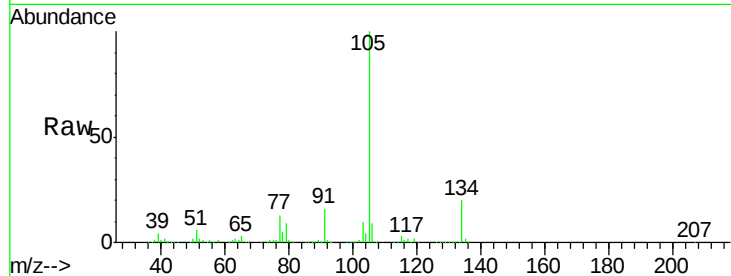
#85
 sec-Butylbenzene
 Concen: 54.250 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065024.D
 Acq: 31 Jan 2020 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1096369
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.4 31.4

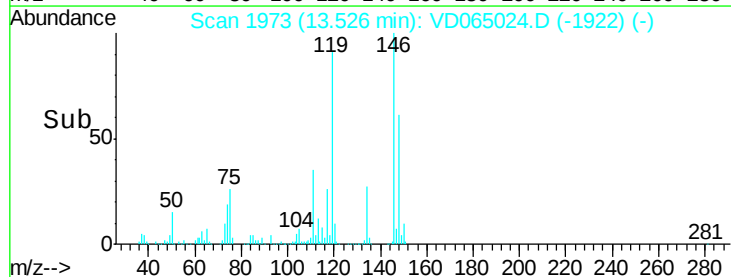
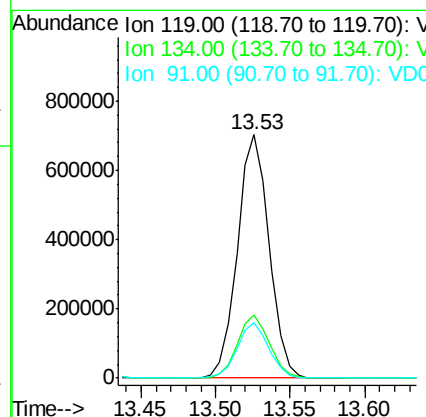
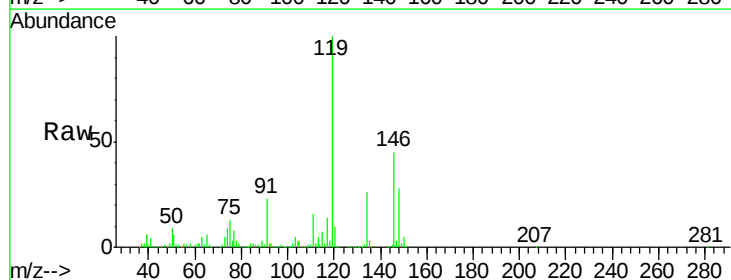
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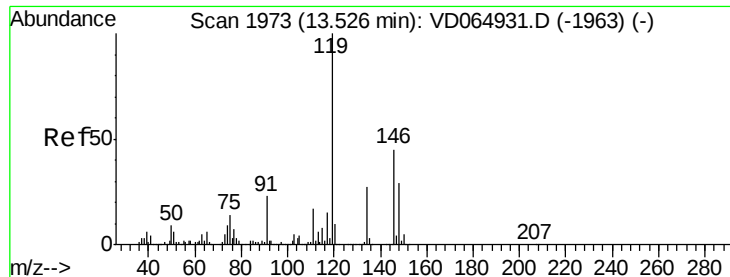
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#86
 p-Isopropyltoluene
 Concen: 54.953 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065024.D
 Acq: 31 Jan 2020 10:17

Tgt Ion:119 Resp: 1039235
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.3 39.9
 91 22.7 11.4 34.2





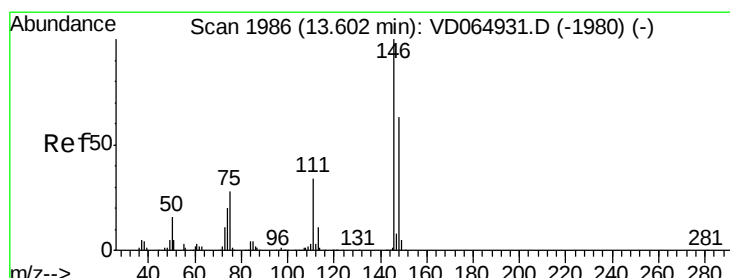
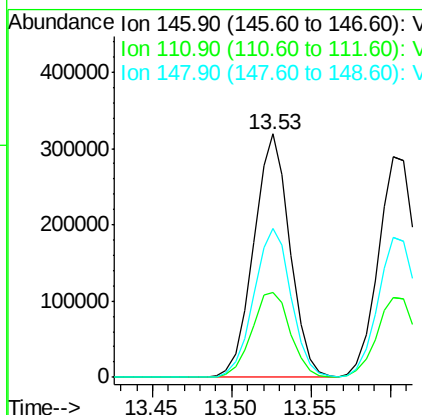
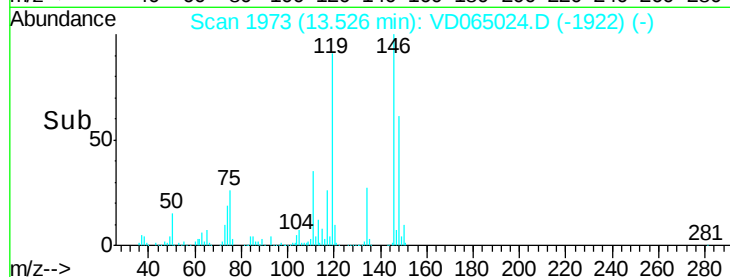
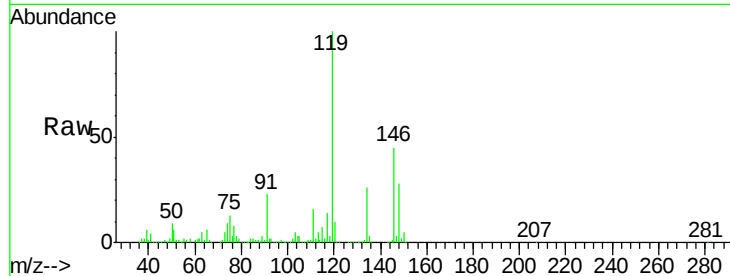
#87
 1,3-Dichlorobenzene
 Concen: 52.561 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065024.D
 Acq: 31 Jan 2020 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.9
148	62.8	32.6	97.7

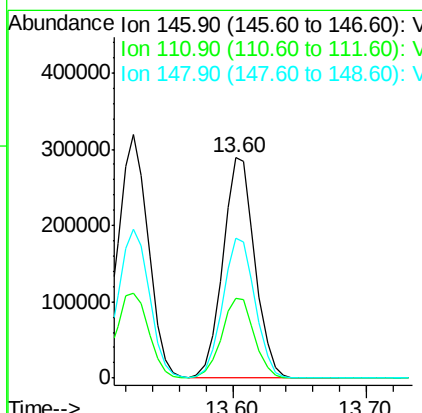
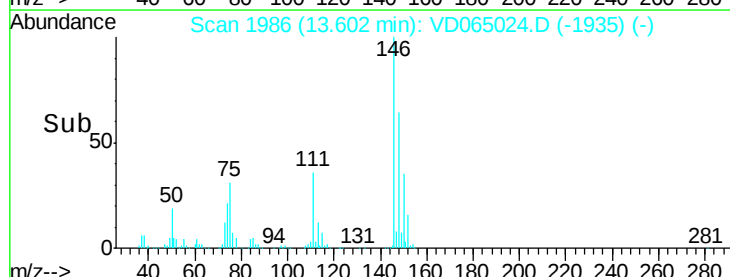
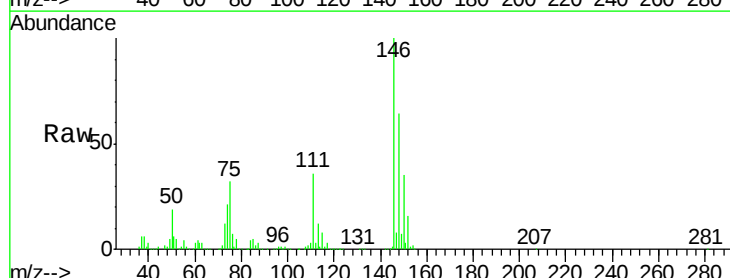
Manual Integrations
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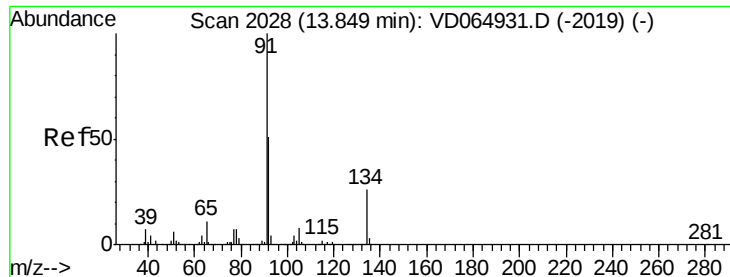
MMDadoda
 2/3/2020 10:52:17 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.576 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065024.D
 Acq: 31 Jan 2020 10:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.2	54.6
148	64.4	32.0	96.0





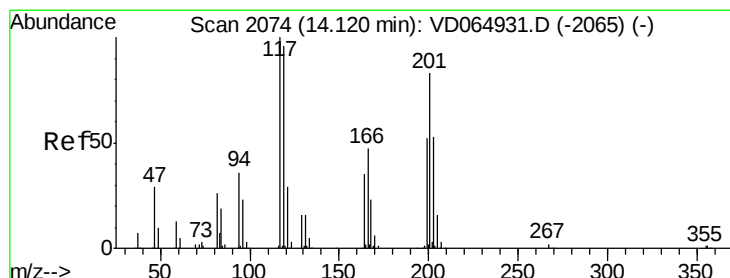
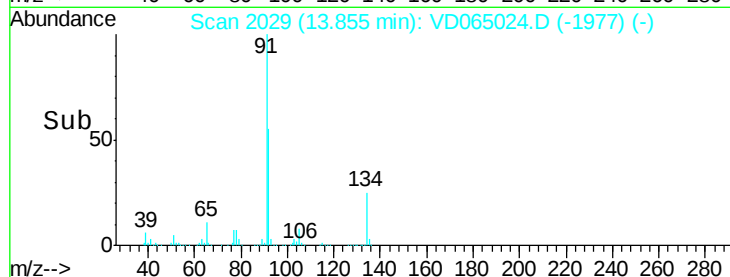
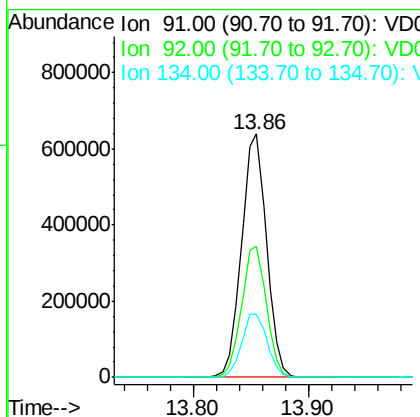
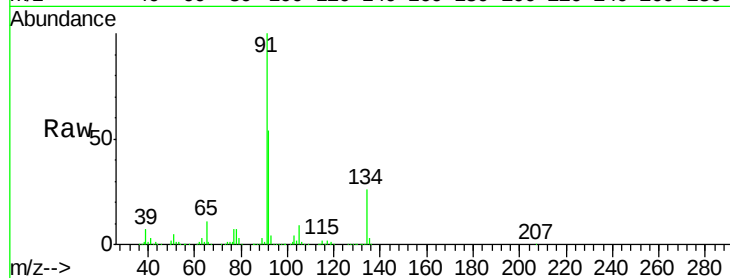
#89
n-Butylbenzene
Concen: 55.509 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.4	79.0
134	27.0	13.3	39.9

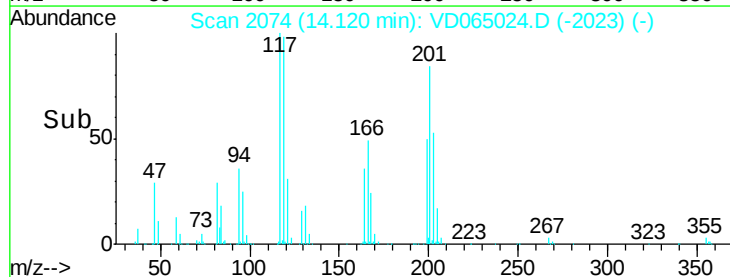
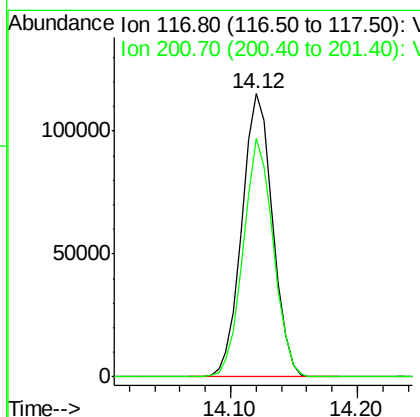
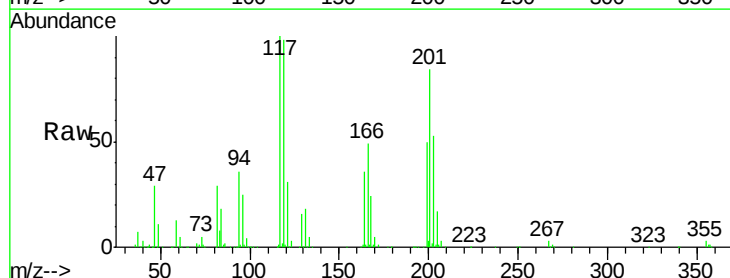
Manual Integrations
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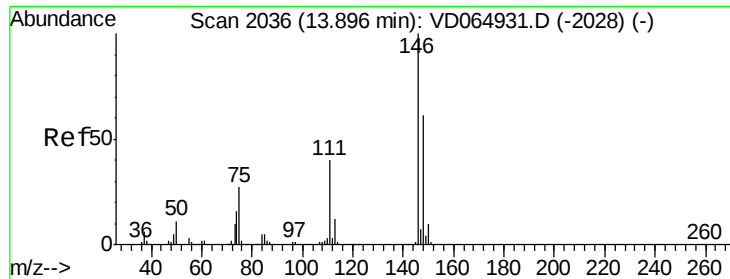
MMDadoda
2/3/2020 10:52:17 AM



#90
Hexachloroethane
Concen: 53.138 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.4	41.1	123.3





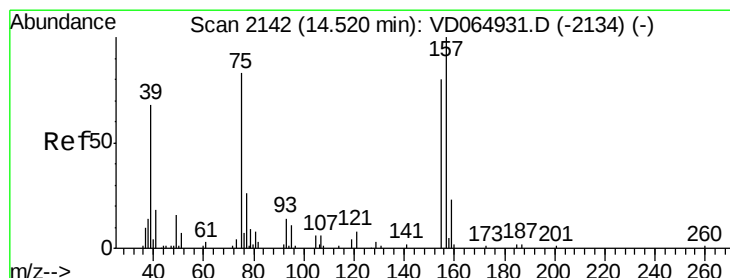
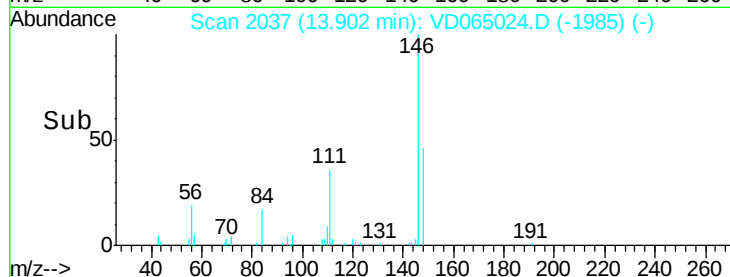
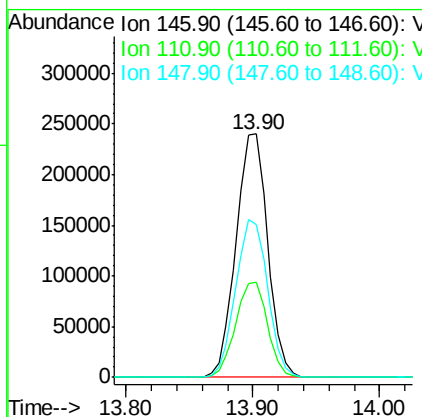
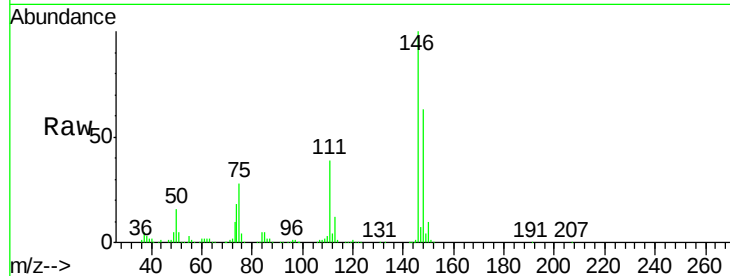
#91
 1,2-Dichlorobenzene
 Concen: 50.990 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD065024.D
 Acq: 31 Jan 2020 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.4	58.2
148	65.2	31.6	95.0

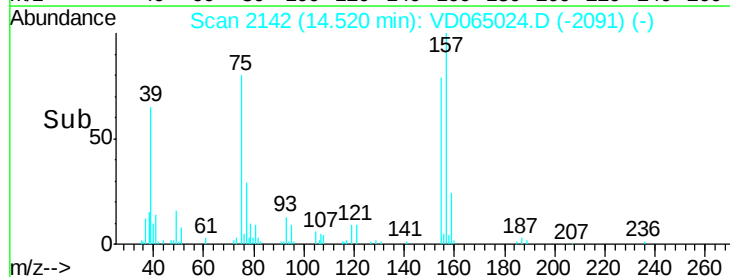
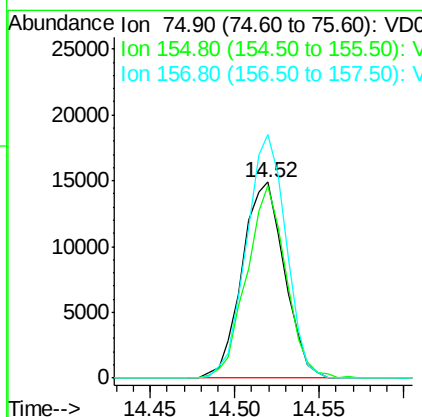
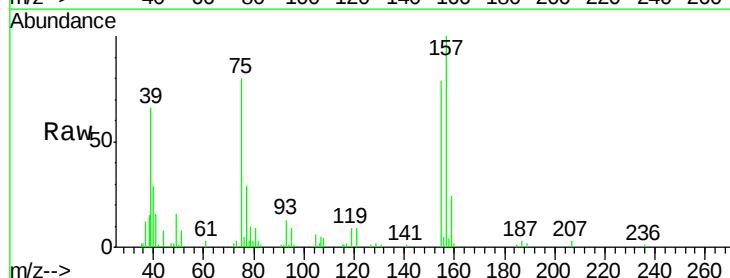
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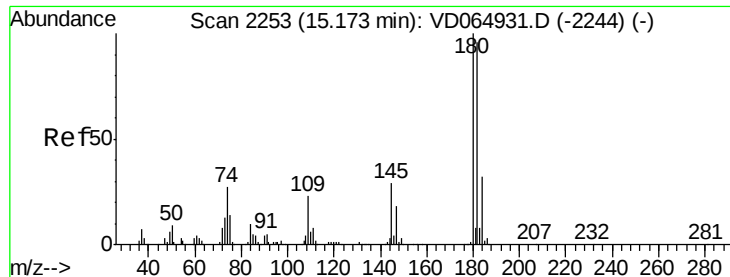
MMDadoda
 2/3/2020 10:52:17 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.059 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065024.D
 Acq: 31 Jan 2020 10:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.1	44.9	134.7
157	116.3	58.9	176.6





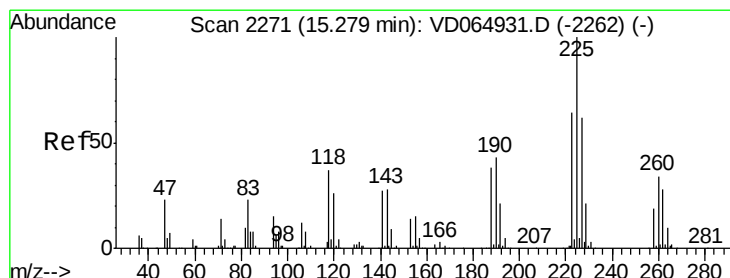
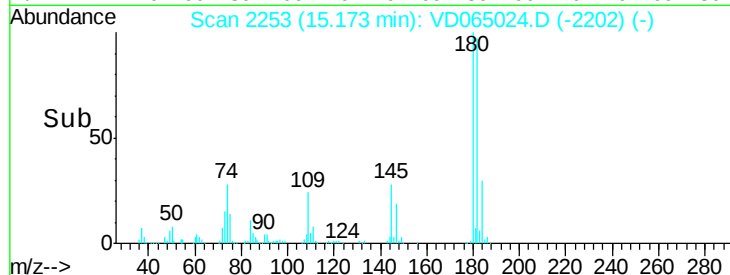
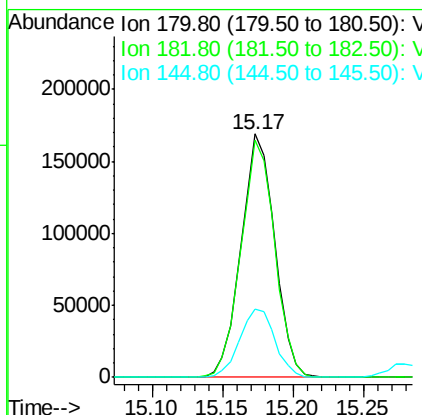
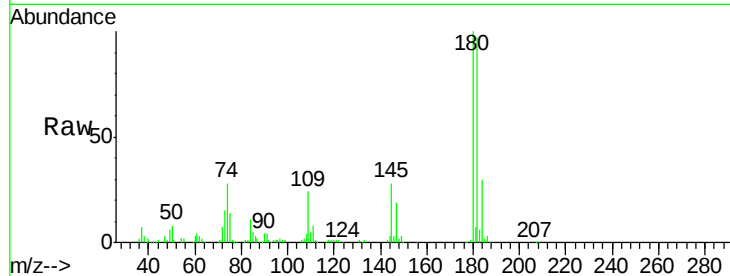
#93
 1,2,4-Trichlorobenzene
 Concen: 50.026 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065024.D
 Acq: 31 Jan 2020 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	283096		
182	97.4	47.1	141.4	
145	29.2	14.1	42.3	

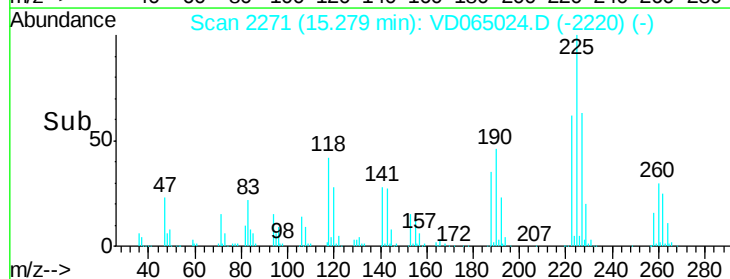
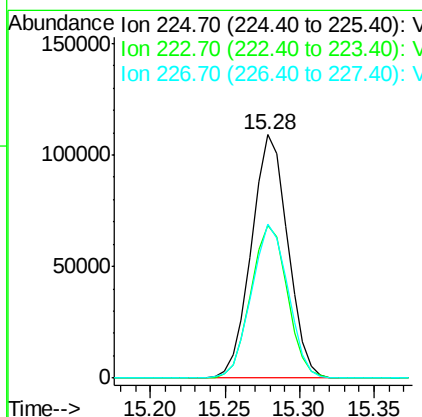
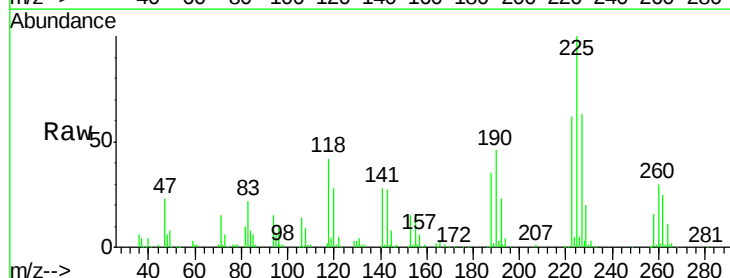
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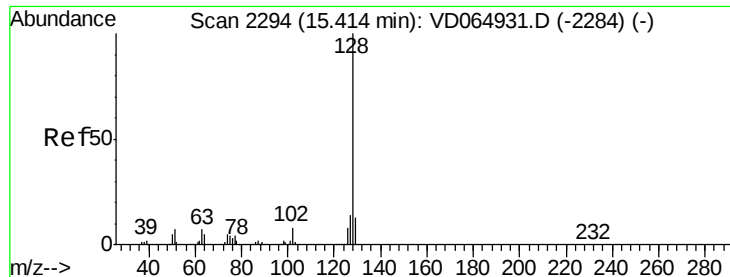
MMDadoda
 2/3/2020 10:52:17 AM



#94
 Hexachlorobutadiene
 Concen: 51.431 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065024.D
 Acq: 31 Jan 2020 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	184096		
223	62.8	32.4	97.2	
227	63.6	31.9	95.9	





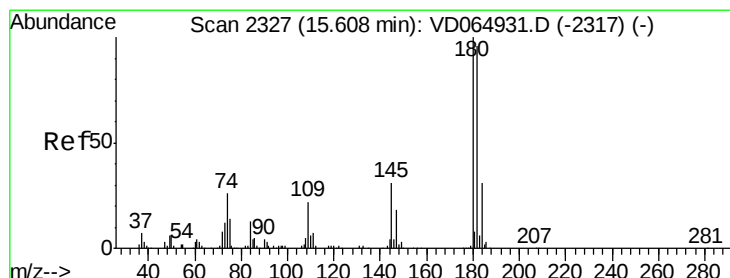
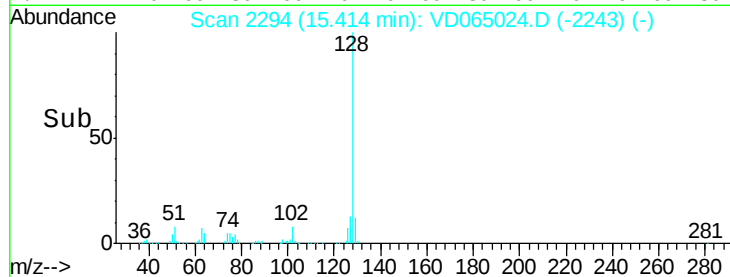
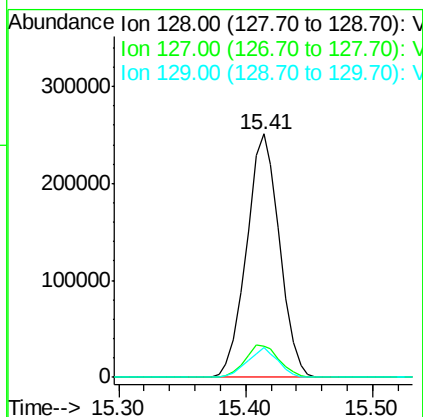
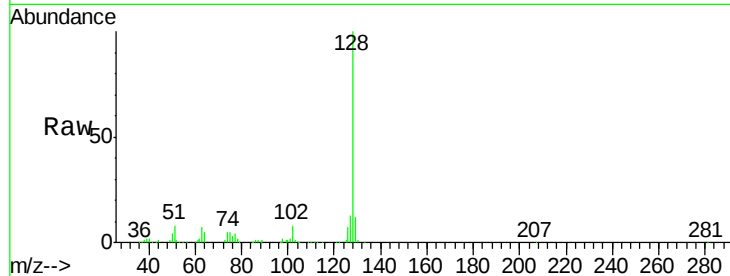
#95
Naphthalene
Concen: 49.680 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.6	15.8
129	11.4	9.3	13.9

Manual Integrations
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2/3/2020 10:52:17 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.264 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065024.D
Acq: 31 Jan 2020 10:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.8
145	29.1	14.6	43.8

