

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100920\
 Data File : VD067204.D
 Acq On : 09 Oct 2020 11:06
 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

apatel
 10/12/2020 10:42:02 AM

Quant Time: Oct 10 00:19:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	355617	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	506925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	462037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	231099	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	152546	44.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.08%	
35) Dibromofluoromethane	7.91	113	163061	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
50) Toluene-d8	10.34	98	592935	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
62) 4-Bromofluorobenzene	12.64	95	205496	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	173593	61.807	ug/l	98
3) Chloromethane	2.21	50	115792	40.886	ug/l	99
4) Vinyl Chloride	2.35	62	130184	45.844	ug/l	96
5) Bromomethane	2.77	94	95022	52.095	ug/l	96
6) Chloroethane	2.92	64	77862	45.023	ug/l	97
7) Trichlorofluoromethane	3.27	101	319855	50.697	ug/l	99
8) Diethyl Ether	3.71	74	67857	43.372	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.10	101	171453	48.080	ug/l	96
10) Methyl Iodide	4.30	142	169133	48.813	ug/l	97
11) Tert butyl alcohol	5.21	59	46113	224.817	ug/l	99
12) 1,1-Dichloroethene	4.07	96	156657	46.731	ug/l	96
13) Acrolein	3.92	56	50023	218.102	ug/l	95
14) Allyl chloride	4.71	41	178404	40.966	ug/l	88
15) Acrylonitrile	5.42	53	119650	207.792	ug/l	97
16) Acetone	4.15	43	135824	259.765	ug/l	97
17) Carbon Disulfide	4.41	76	451677	43.903	ug/l	99
18) Methyl Acetate	4.72	43	52667	40.077	ug/l	91
19) Methyl tert-butyl Ether	5.48	73	296961	48.525	ug/l	95
20) Methylene Chloride	4.96	84	173026	46.059	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	182002	47.706	ug/l	96
22) Diisopropyl ether	6.37	45	329488	41.442	ug/l	97
23) Vinyl Acetate	6.31	43	974809	216.370	ug/l	95
24) 1,1-Dichloroethane	6.27	63	273946	44.647	ug/l	98
25) 2-Butanone	7.21	43	145394	196.131	ug/l	91
26) 2,2-Dichloropropane	7.21	77	288430	55.420	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	192233	47.180	ug/l	98
28) Bromochloromethane	7.54	49	94306	39.799	ug/l #	81
29) Tetrahydrofuran	7.56	42	81414	191.001	ug/l #	87
30) Chloroform	7.71	83	326937	49.119	ug/l	99
31) Cyclohexane	7.98	56	212662	41.341	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	326343	52.904	ug/l	98
36) 1,1-Dichloropropene	8.11	75	242425	51.306	ug/l	98
37) Ethyl Acetate	7.30	43	66729	40.765	ug/l	99
38) Carbon Tetrachloride	8.10	117	307729	60.192	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	269215	53.891	ug/l	94
40) Benzene	8.36	78	659756	50.270	ug/l	100
41) Methacrylonitrile	7.53	41	39621	44.803	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	189446	51.658	ug/l	99
43) Isopropyl Acetate	8.46	43	135180	44.828	ug/l	94
44) Trichloroethene	9.11	130	210183	53.632	ug/l	99
45) 1,2-Dichloropropane	9.38	63	149036	48.330	ug/l	94
46) Dibromomethane	9.48	93	91623	51.696	ug/l	96
47) Bromodichloromethane	9.66	83	241684	52.459	ug/l	97
48) Methyl methacrylate	9.46	41	69162	44.768	ug/l	85
49) 1,4-Dioxane	9.46	88	17767	960.496	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	339634	226.117	ug/l	97
52) Toluene	10.40	92	453082	53.592	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	221884	53.887	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	259611	51.633	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	124152	50.384	ug/l	97
56) Ethyl methacrylate	10.66	69	135700	53.340	ug/l	95
57) 1,3-Dichloropropane	10.95	76	202511	50.681	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	361587	255.363	ug/l	94
59) 2-Hexanone	10.98	43	242716	242.106	ug/l	96
60) Dibromochloromethane	11.14	129	177023	53.901	ug/l	96
61) 1,2-Dibromoethane	11.25	107	123812	52.300	ug/l	99
64) Tetrachloroethene	10.88	164	184827	55.024	ug/l	91
65) Chlorobenzene	11.67	112	485146	52.795	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	187776	53.720	ug/l	99
67) Ethyl Benzene	11.75	91	850775	54.035	ug/l	98
68) m/p-Xylenes	11.86	106	668228	108.902	ug/l	97
69) o-Xylene	12.18	106	301945	55.027	ug/l	94
70) Styrene	12.20	104	516117	54.776	ug/l	98
71) Bromoform	12.36	173	98301	54.177	ug/l #	99
73) Isopropylbenzene	12.48	105	868467	55.345	ug/l	99
74) N-amyl acetate	12.29	43	125947	44.648	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	119927	45.360	ug/l	94
76) 1,2,3-Trichloropropane	12.79	75	90494m	44.956	ug/l	
77) Bromobenzene	12.77	156	203501	53.708	ug/l	93
78) n-propylbenzene	12.83	91	1005754	54.233	ug/l	98
79) 2-Chlorotoluene	12.91	91	561313	52.902	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	733535	55.328	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	40556	50.230	ug/l	98
82) 4-Chlorotoluene	13.01	91	596649	52.852	ug/l	100
83) tert-Butylbenzene	13.23	119	637405	57.093	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	735972	55.625	ug/l	97
85) sec-Butylbenzene	13.41	105	877462	55.810	ug/l	100
86) p-Isopropyltoluene	13.52	119	806641	55.339	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	384305	52.071	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	382923	51.890	ug/l	99
89) n-Butylbenzene	13.85	91	737007	55.325	ug/l	98
90) Hexachloroethane	14.12	117	138078	54.079	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	331327	51.404	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20718	48.612	ug/l	95

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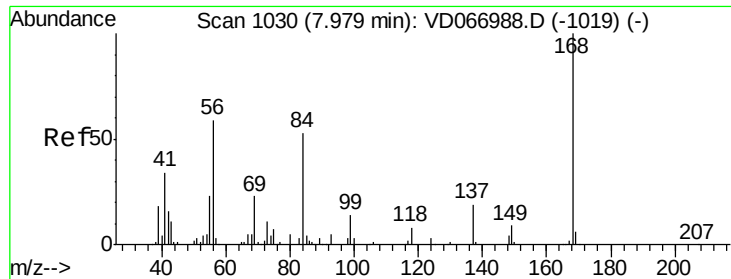
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	232872	55.856	ug/l	99
94) Hexachlorobutadiene	15.28	225	154590	60.376	ug/l	97
95) Naphthalene	15.41	128	390284	56.123	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	199414	55.099	ug/l	97

(#) = 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. 0.00 min

Lab File: VD067204.D

Acq: 09 Oct 2020 11:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 355617

Ion Ratio Lower Upper

168 100

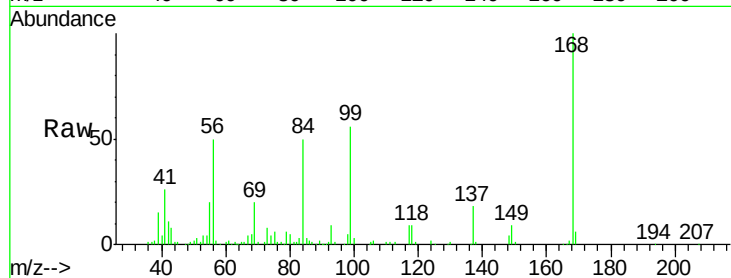
99 56.1 44.1 66.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

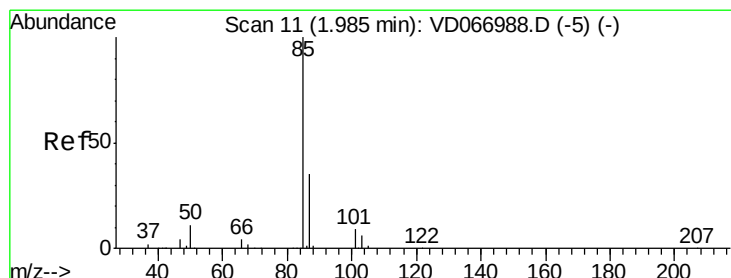
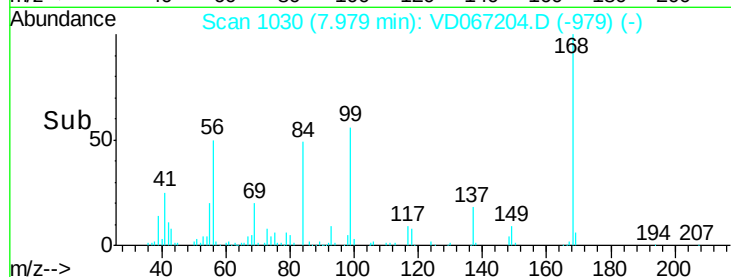
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 61.807 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067204.D

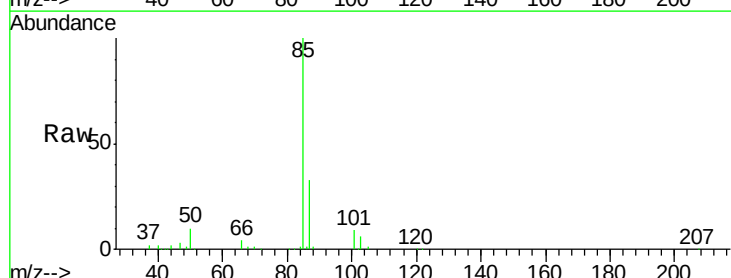
Acq: 09 Oct 2020 11:06

Tgt Ion: 85 Resp: 173593

Ion Ratio Lower Upper

85 100

87 33.3 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

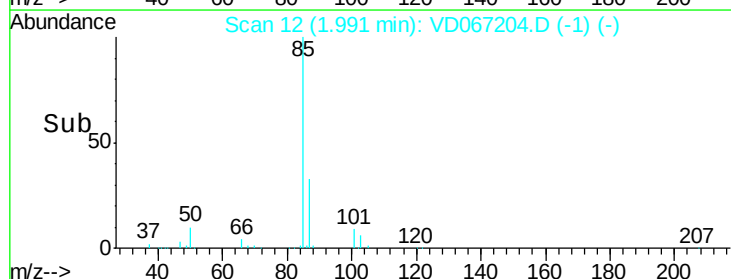
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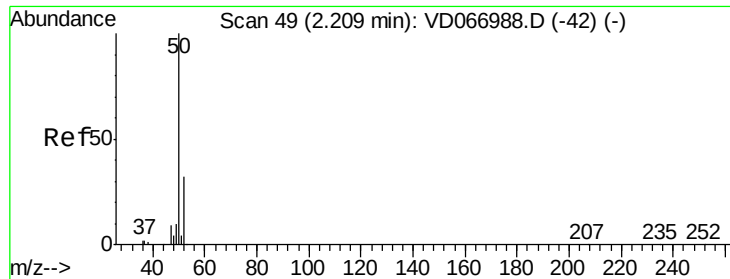
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 40.886 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067204.D

Acq: 09 Oct 2020 11:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 115792

Ion Ratio Lower Upper

50 100

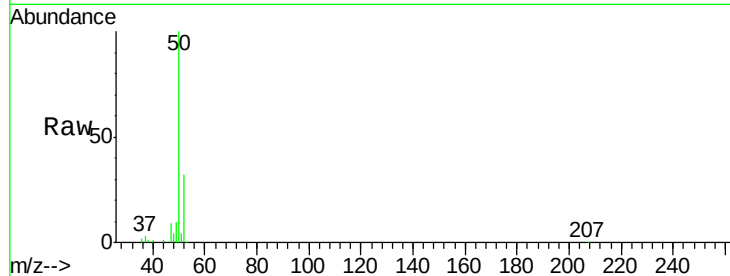
52 31.9 25.3 37.9

Manual Integrations

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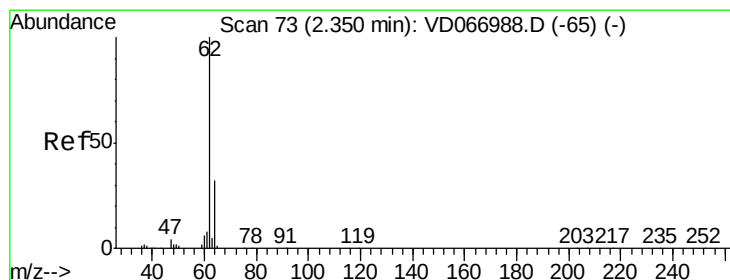
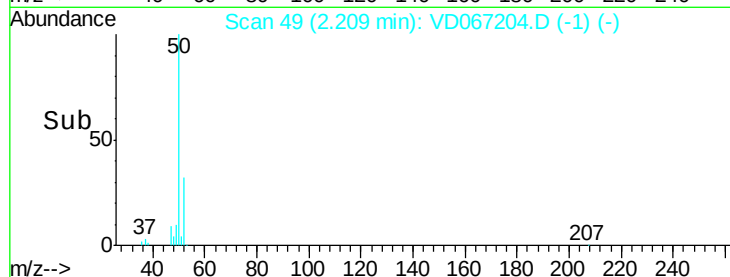
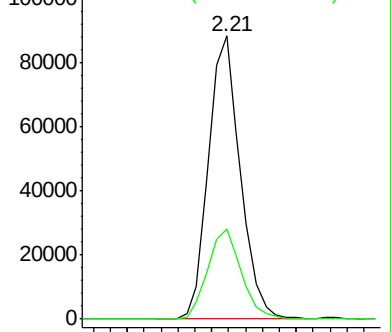
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.844 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067204.D

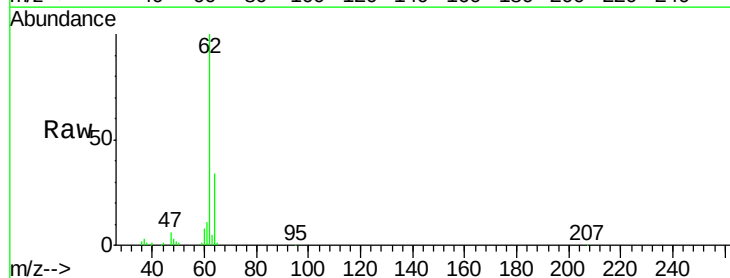
Acq: 09 Oct 2020 11:06

Tgt Ion: 62 Resp: 130184

Ion Ratio Lower Upper

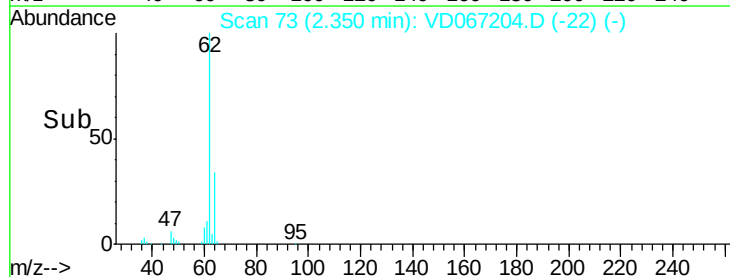
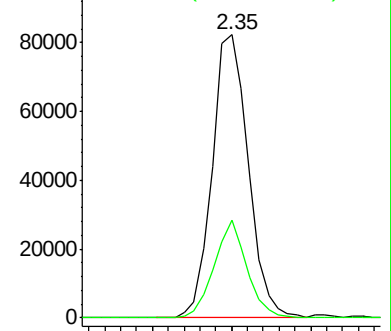
62 100

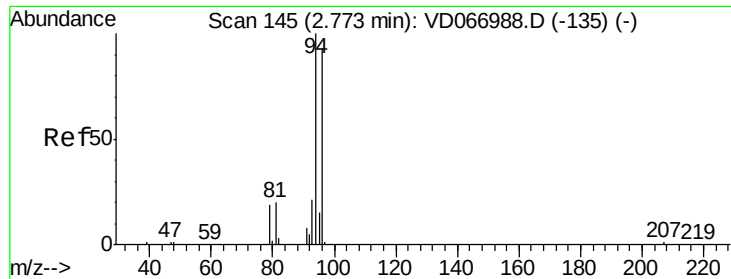
64 34.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 52.095 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067204.D

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Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 95022

Ion Ratio Lower Upper

94 100

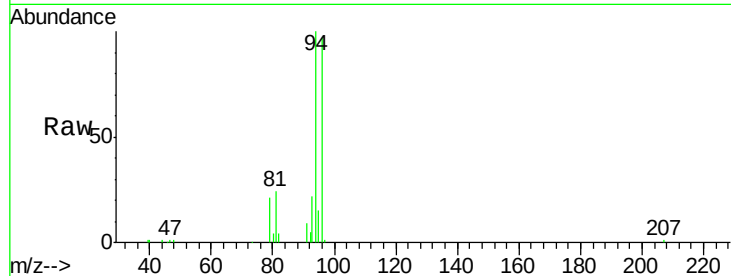
96 96.8 74.6 112.0

Manual Integrations

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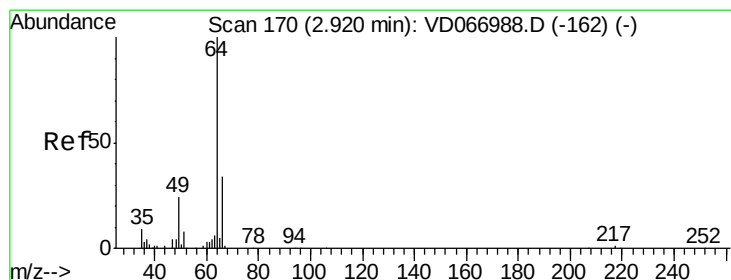
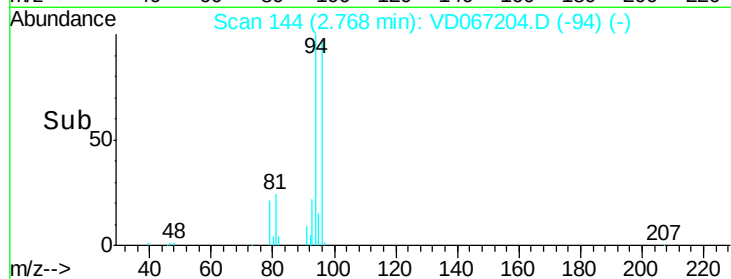
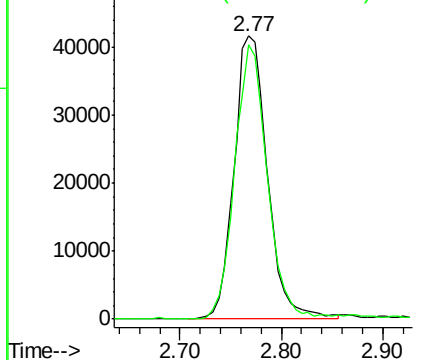
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 45.023 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067204.D

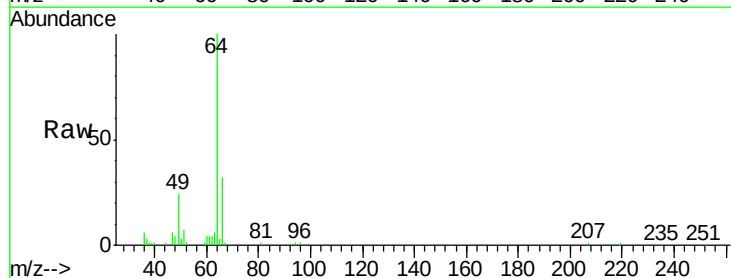
Acq: 09 Oct 2020 11:06

Tgt Ion: 64 Resp: 77862

Ion Ratio Lower Upper

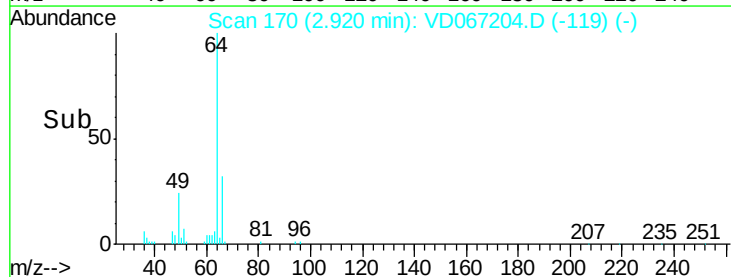
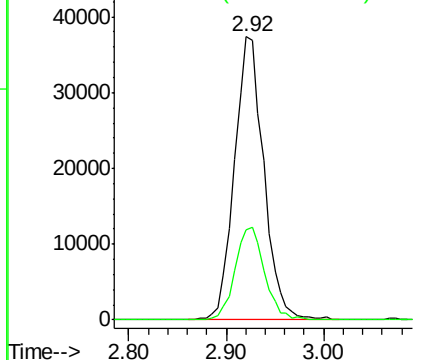
64 100

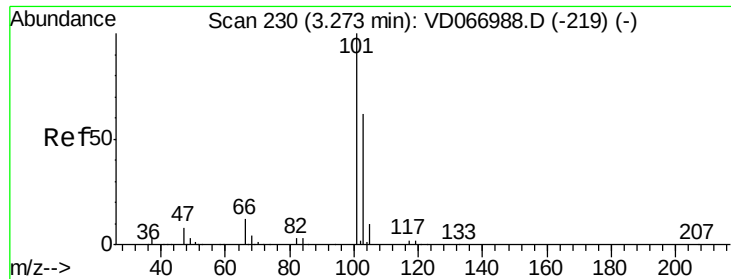
66 32.1 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

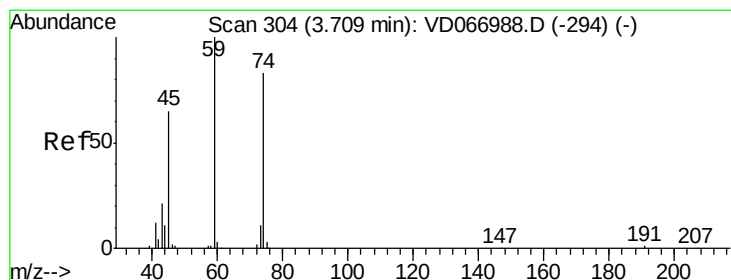
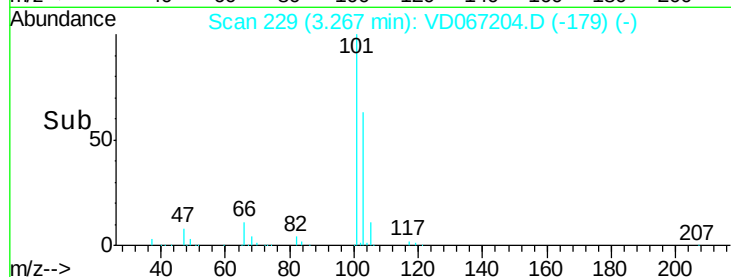
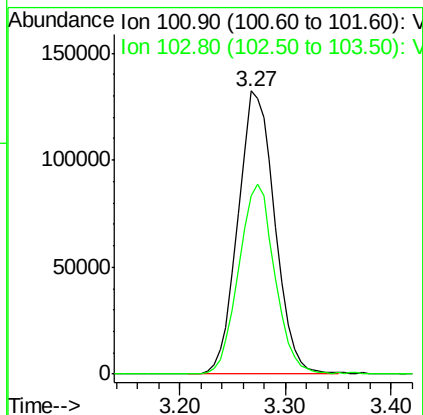
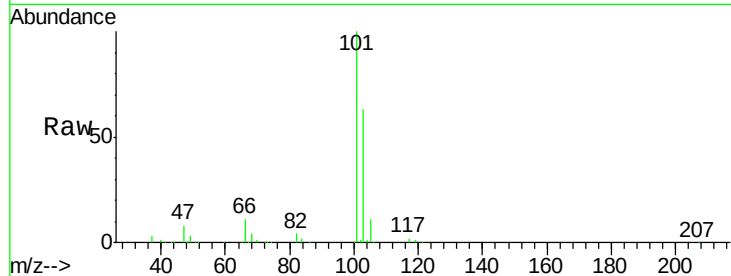
Trichlorofluoromethane
Concen: 50.697 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	319855		
103	63.2	49.8	74.8	

Manual Integrations
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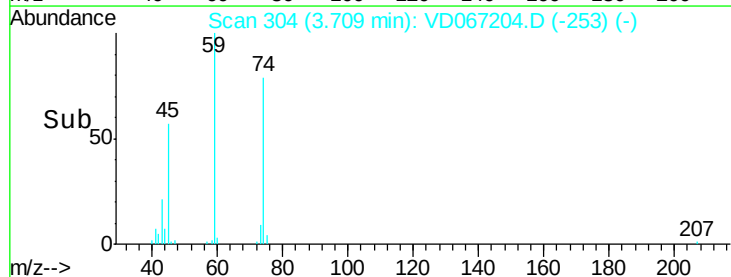
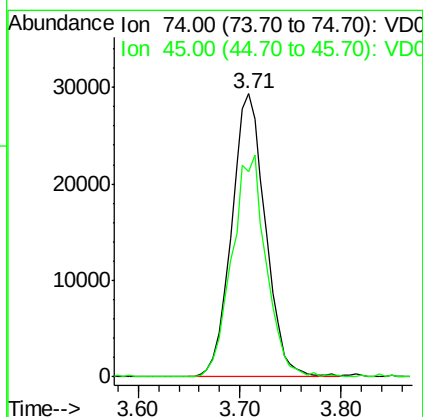
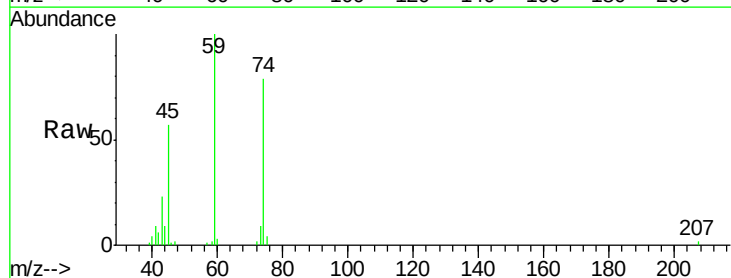
apatel
10/12/2020 10:42:02 AM

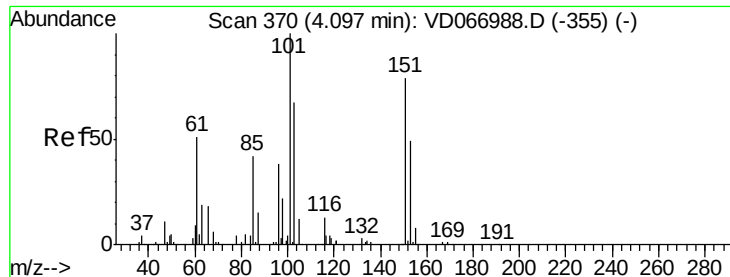


#8

Diethyl Ether
Concen: 43.372 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	67857		
45	79.5	43.1	129.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.080 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067204.D

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Instrument :

MSVOA_D

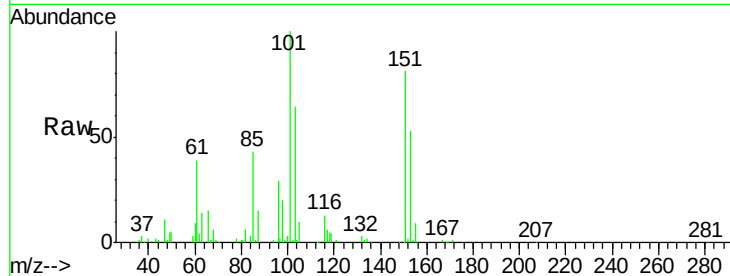
ClientSampleId :

VSTDCCC050

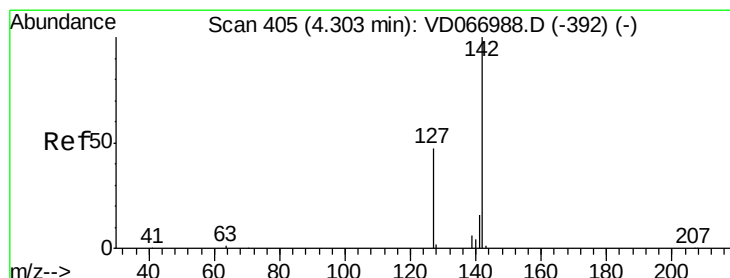
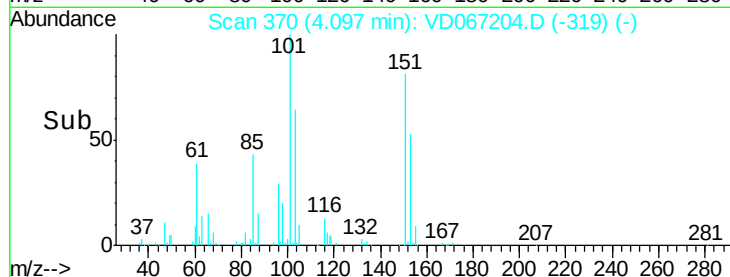
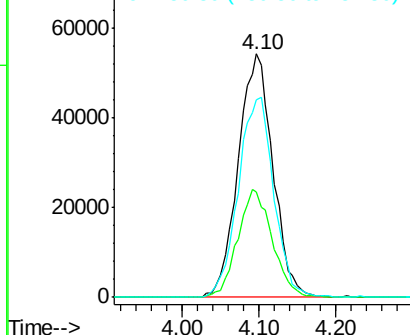
Tot Ion:	101	Resp:	171453
Ion Ratio	Lower	Upper	
101	100		
85	43.9	33.8	50.8
151	84.0	63.8	95.8

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.813 ug/l

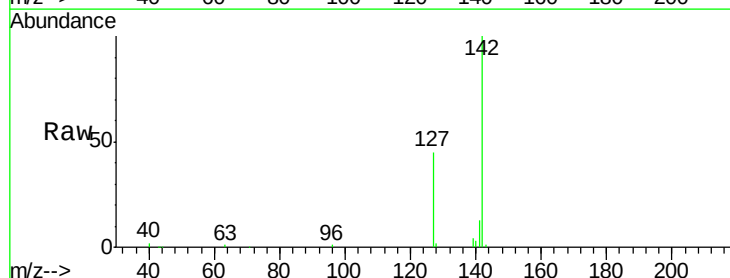
RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

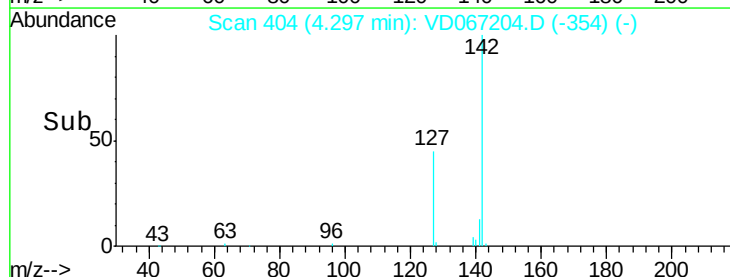
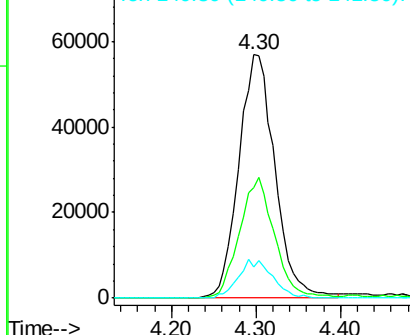
Lab File: VD067204.D

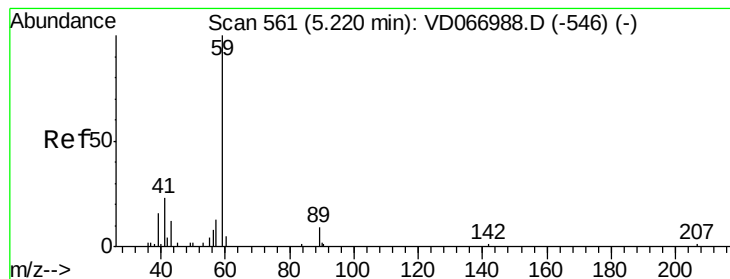
Acq: 09 Oct 2020 11:06

Tgt Ion:	142	Resp:	169133
Ion Ratio	Lower	Upper	
142	100		
127	47.9	36.3	54.5
141	15.1	12.0	18.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

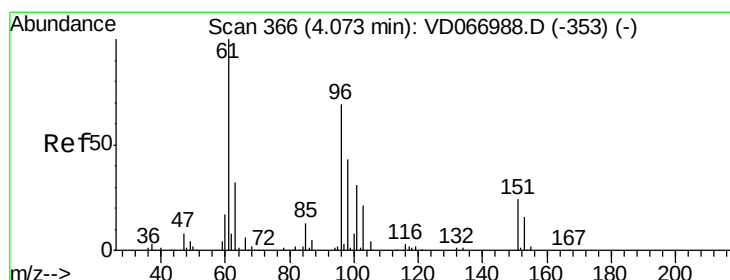
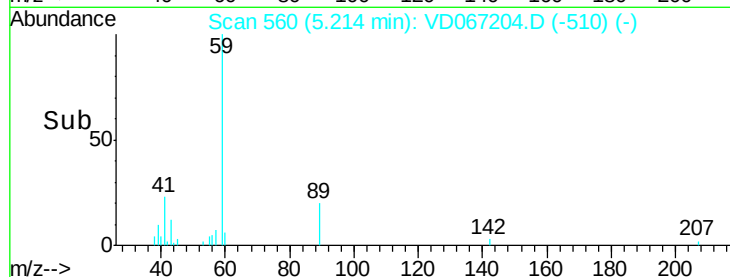
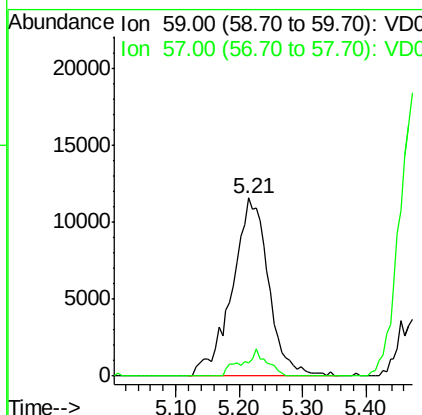
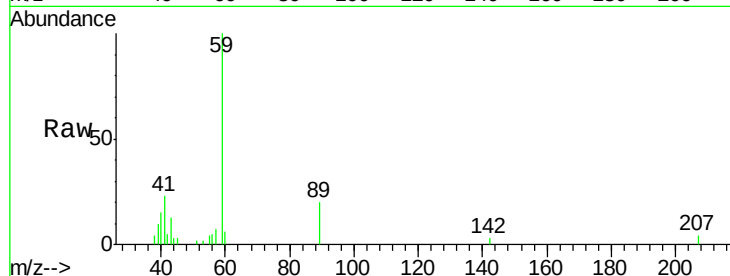
Tert butyl alcohol
 Concen: 224.817 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD067204.D
 Acq: 09 Oct 2020 11:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	46113
Ion Ratio	100	Lower	Upper
57	10.1	8.2	12.4

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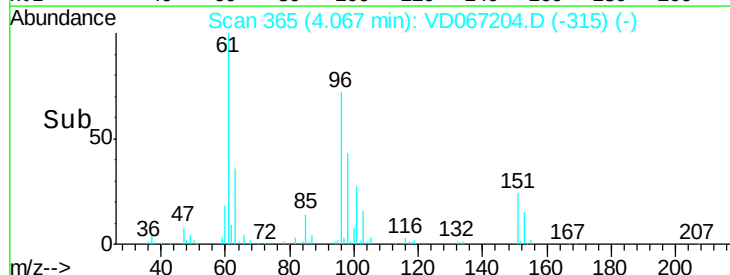
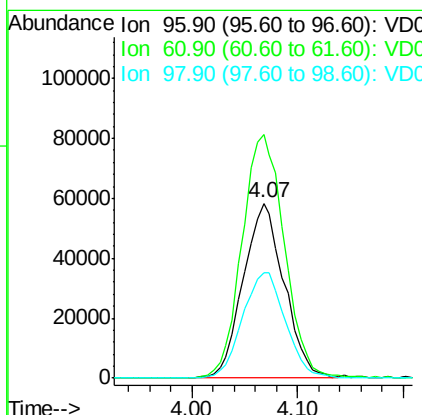
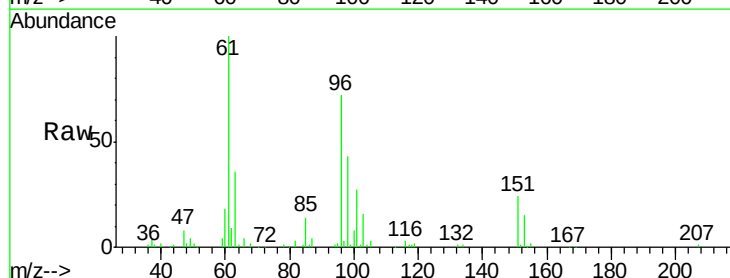
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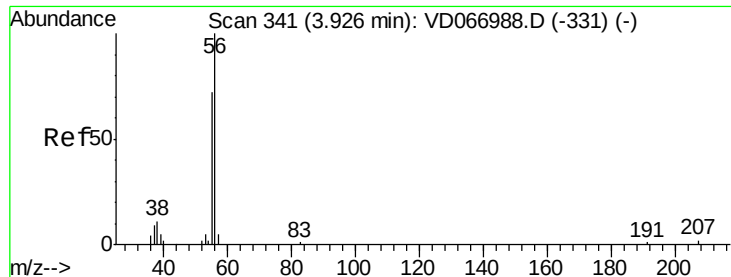


#12

1,1-Dichloroethene
 Concen: 46.731 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VD067204.D
 Acq: 09 Oct 2020 11:06

Tgt Ion	96	Resp	156657
Ion Ratio	100	Lower	Upper
61	139.2	116.4	174.6
98	60.3	49.9	74.9





#13

Acrolein

Concen: 218.102 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067204.D

Acq: 09 Oct 2020 11:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 50023

Ion Ratio Lower Upper

56 100

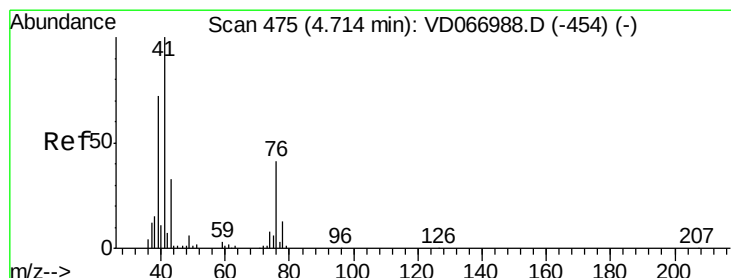
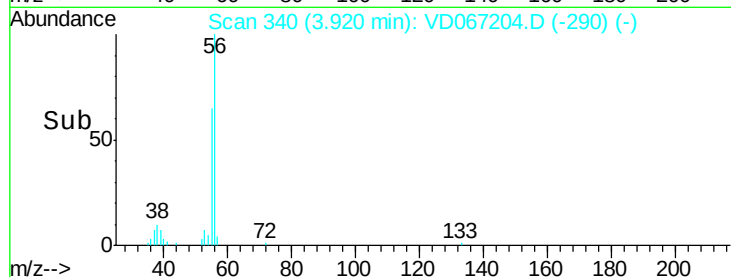
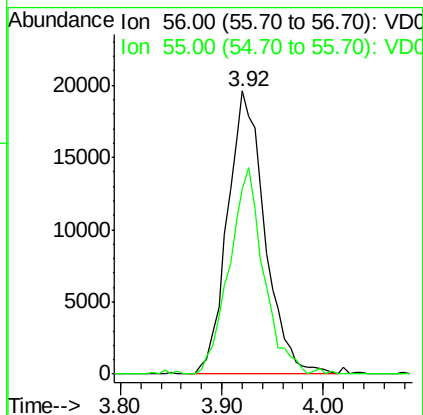
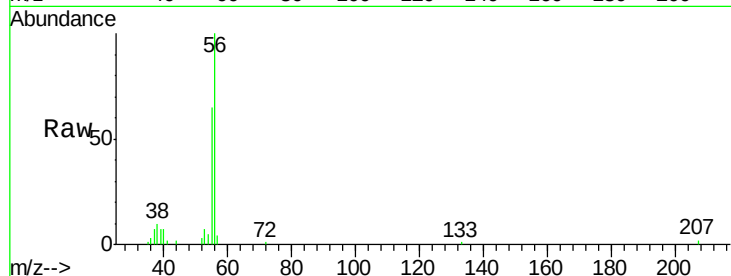
55 66.9 56.9 85.3

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#14

Allyl chloride

Concen: 40.966 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067204.D

Acq: 09 Oct 2020 11:06

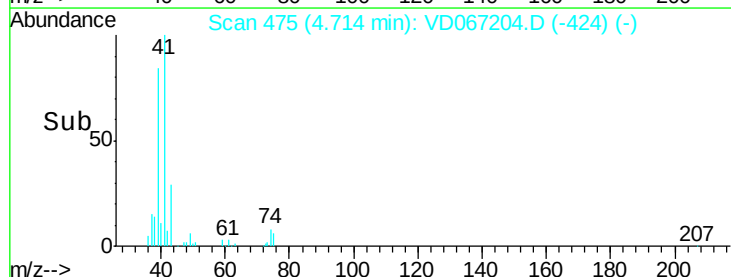
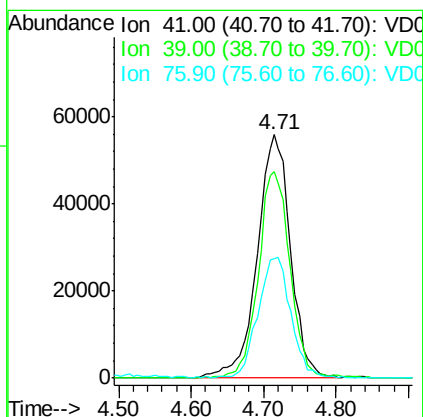
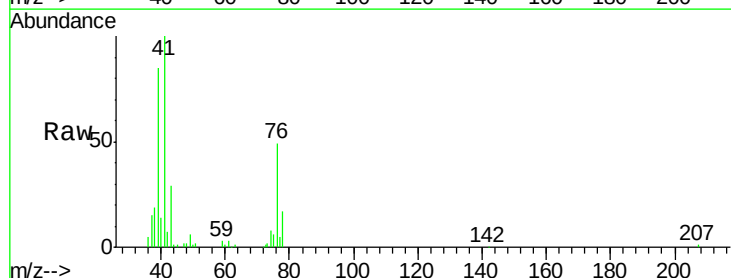
Tgt Ion: 41 Resp: 178404

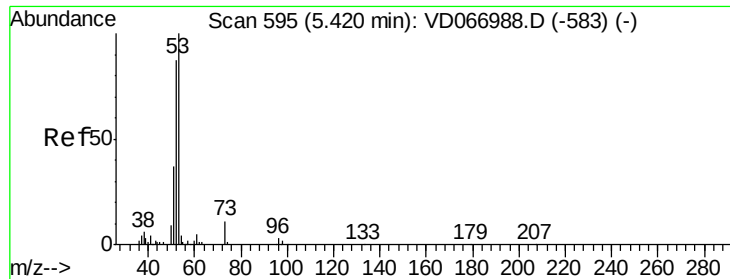
Ion Ratio Lower Upper

41 100

39 80.5 56.2 84.2

76 49.5 34.2 51.2





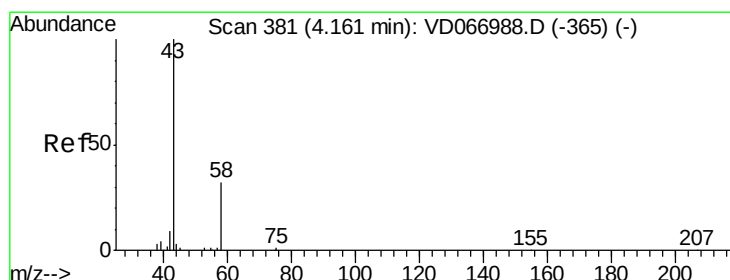
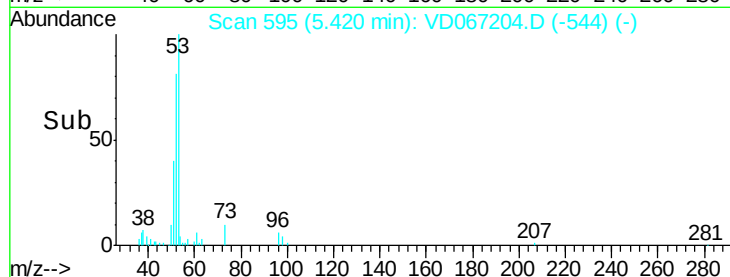
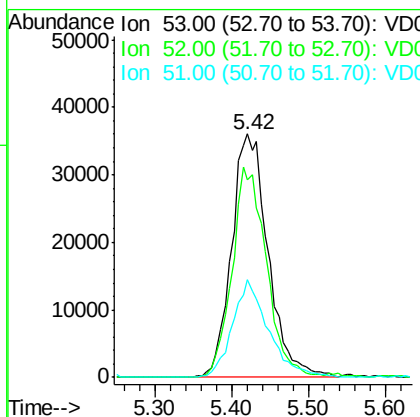
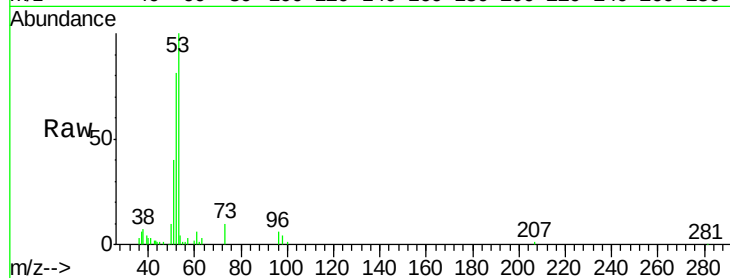
#15
 Acrylonitrile
 Concen: 207.792 ug/l
 RT: 5.42 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VD067204.D
 Acq: 09 Oct 2020 11:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	119650
Ion	Ratio	Lower	Upper
53	100		
52	81.3	67.3	100.9
51	39.4	30.2	45.2

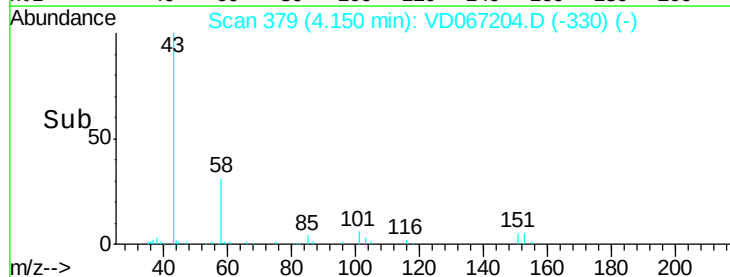
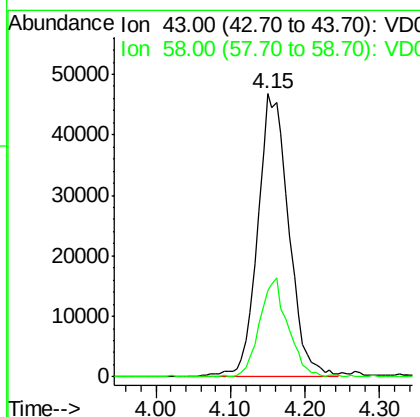
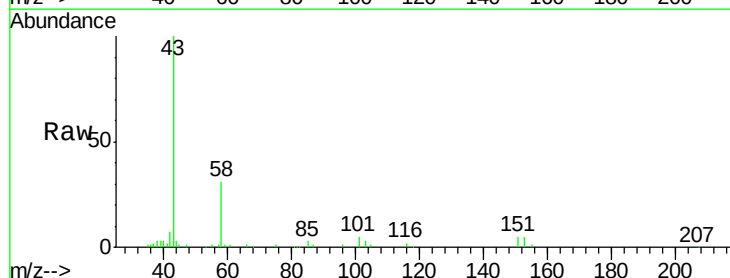
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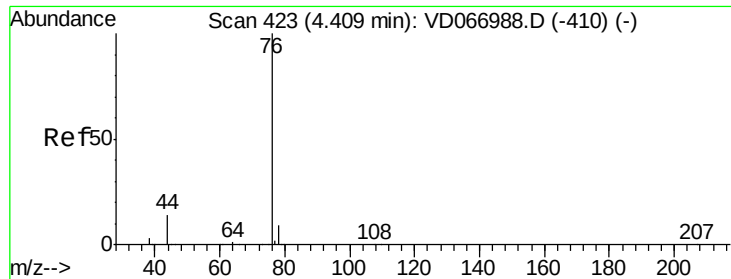
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#16
 Acetone
 Concen: 259.765 ug/l
 RT: 4.15 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VD067204.D
 Acq: 09 Oct 2020 11:06

Tgt Ion:	43	Resp:	135824
Ion	Ratio	Lower	Upper
43	100		
58	30.6	25.9	38.9





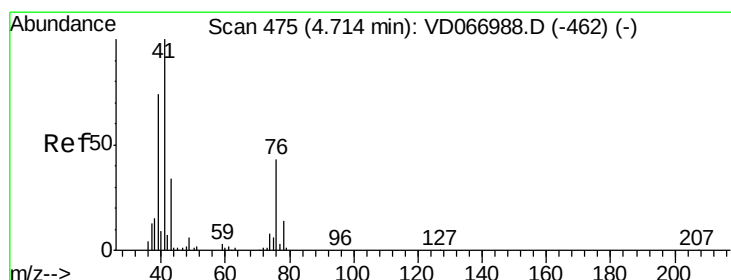
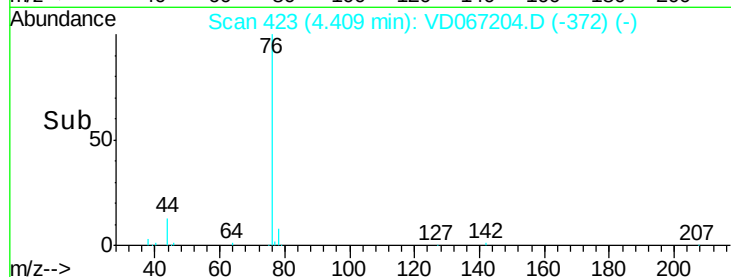
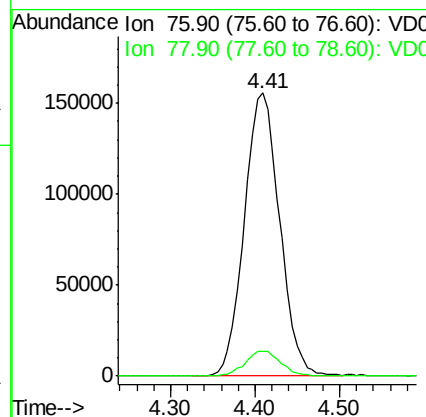
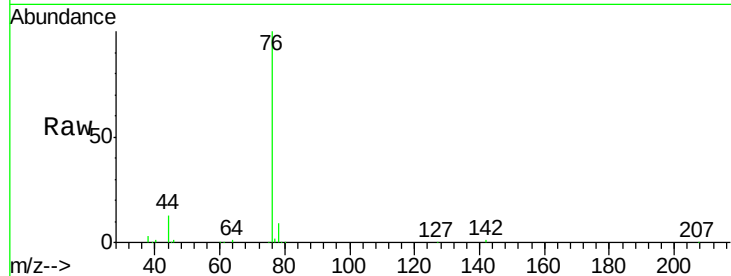
#17
Carbon Disulfide
Concen: 43.903 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.5	11.3

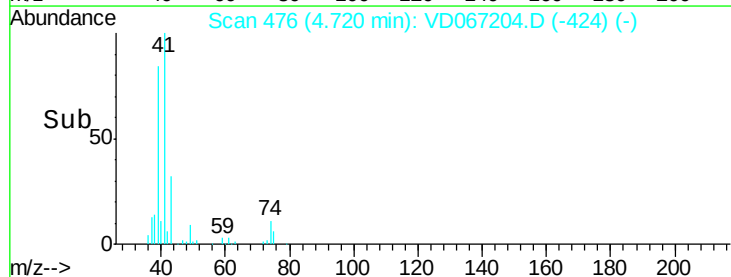
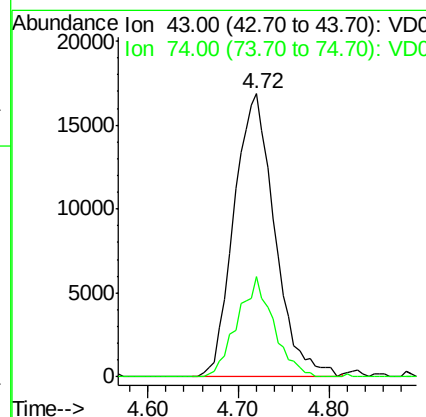
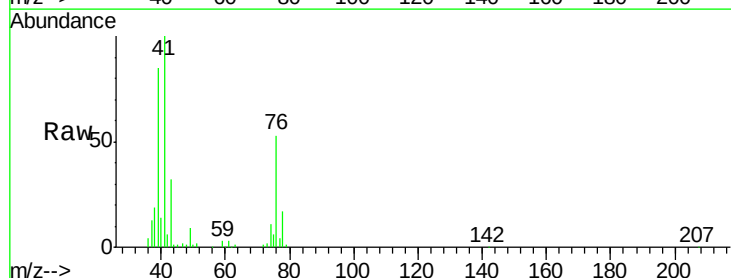
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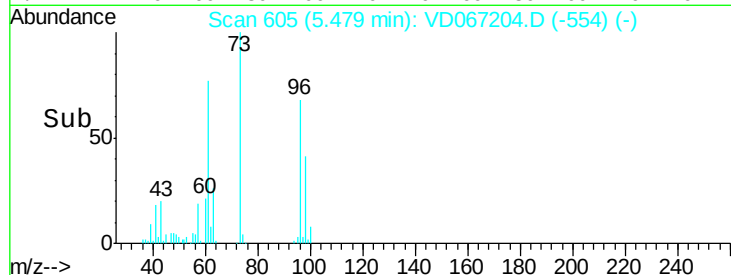
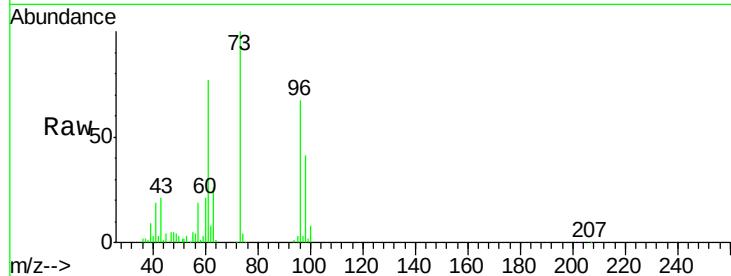
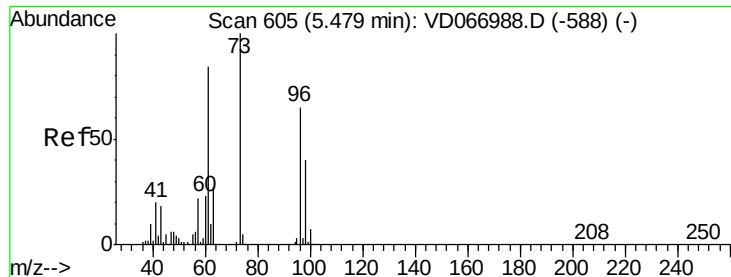
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#18
Methyl Acetate
Concen: 40.077 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	31.3	21.5	32.3





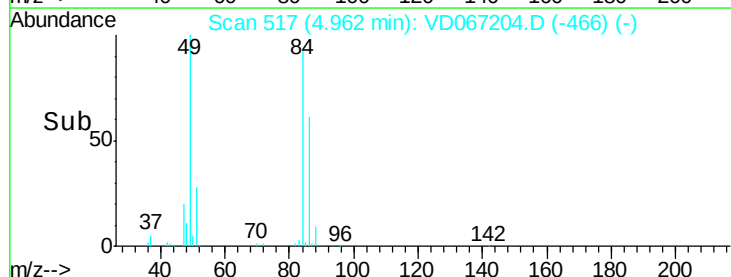
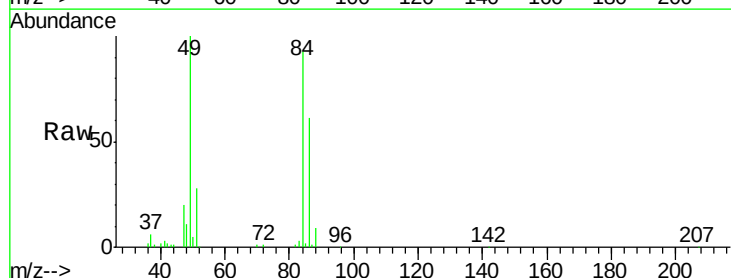
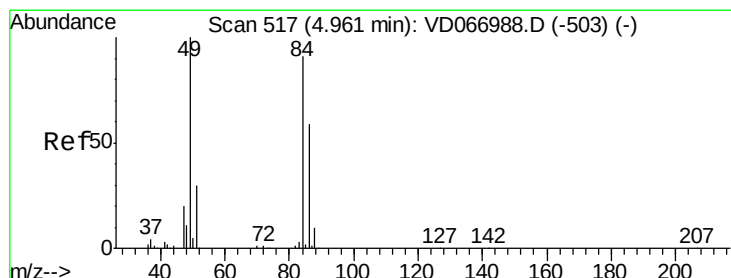
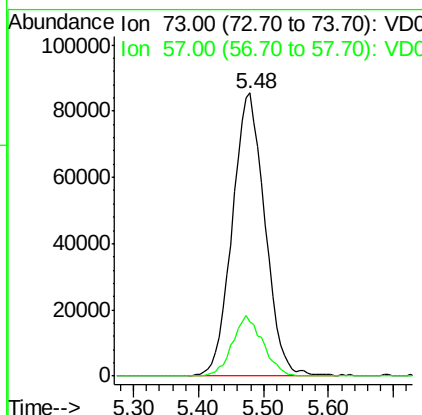
#19
Methyl tert-butyl Ether
Concen: 48.525 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.2	17.4	26.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

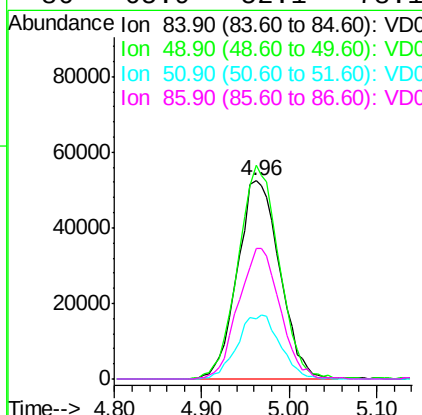
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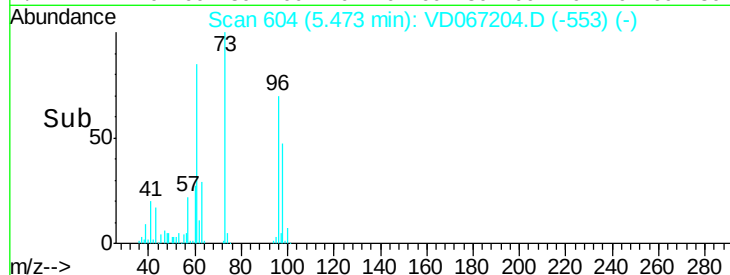
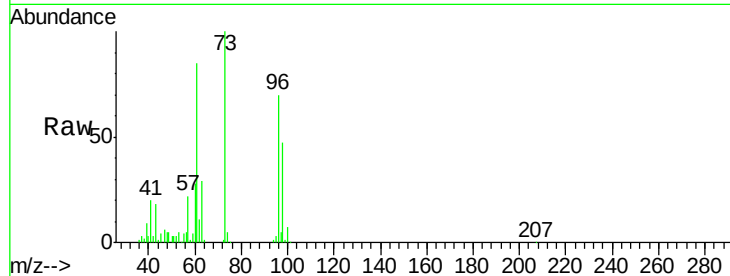
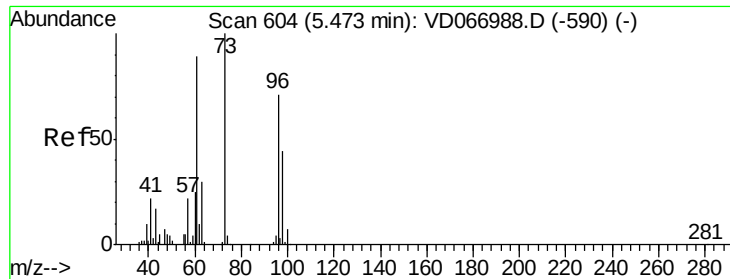
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#20
Methylene Chloride
Concen: 46.059 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.9	88.2	132.2
51	30.3	26.6	39.8
86	65.9	52.1	78.1





#21

trans-1,2-Dichloroethene

Concen: 47.706 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067204.D

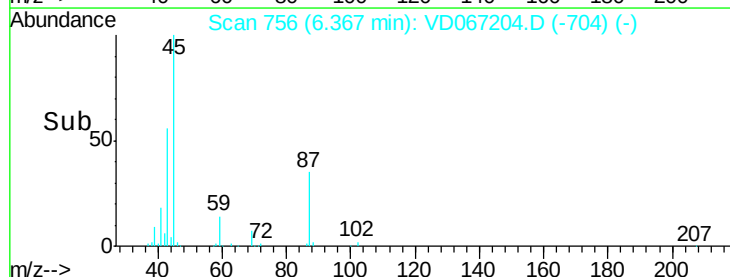
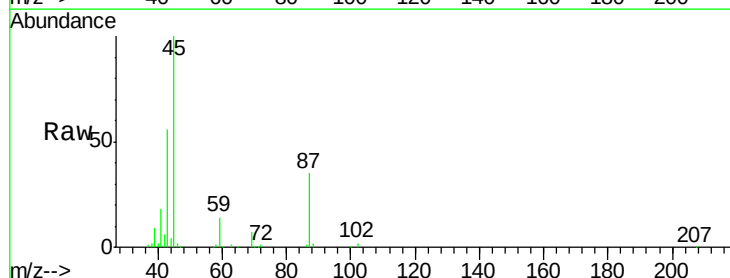
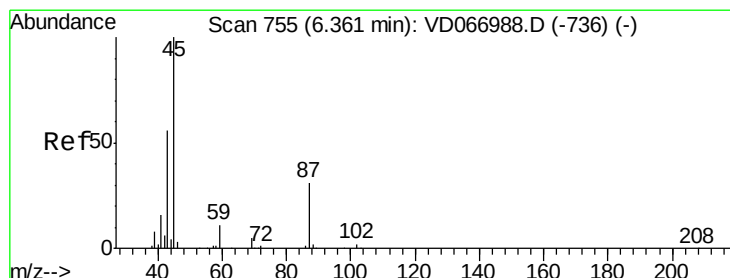
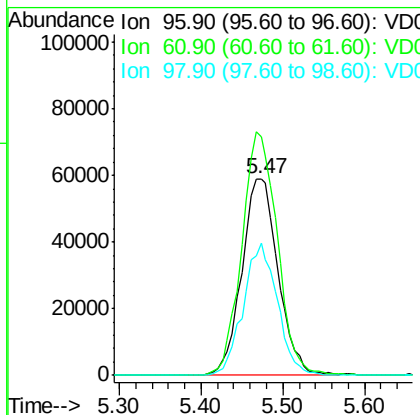
Acq: 09 Oct 2020 11:06

Tot Ion:	96	Resp:	182002
Ion	Ratio	Lower	Upper
96	100		
61	121.4	99.6	149.4
98	67.1	49.4	74.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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#22

Diisopropyl ether

Concen: 41.442 ug/l

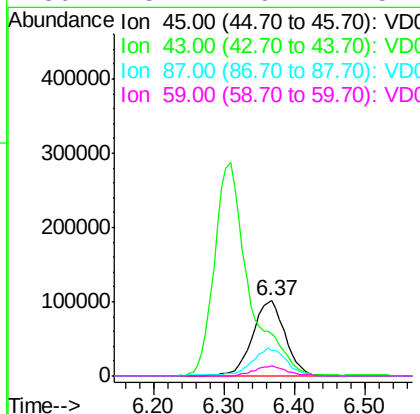
RT: 6.37 min Scan# 756

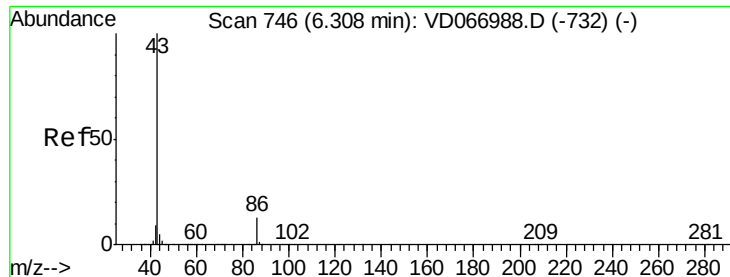
Delta R.T. 0.01 min

Lab File: VD067204.D

Acq: 09 Oct 2020 11:06

Tgt Ion:	45	Resp:	329488
Ion	Ratio	Lower	Upper
45	100		
43	55.1	45.2	67.8
87	34.5	25.6	38.4
59	13.4	9.1	13.7





#23

Vinyl Acetate

Concen: 216.370 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067204.D

Acq: 09 Oct 2020 11:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 974809

Ion Ratio Lower Upper

43 100

86 14.7

10.2

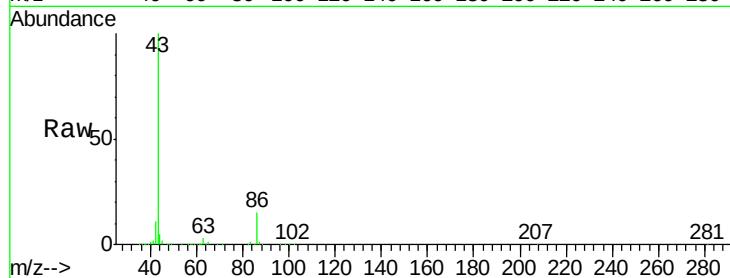
15.2

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

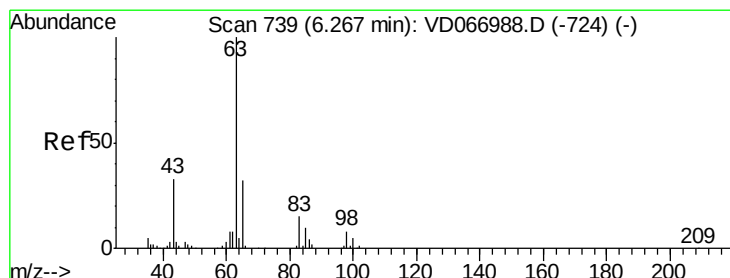
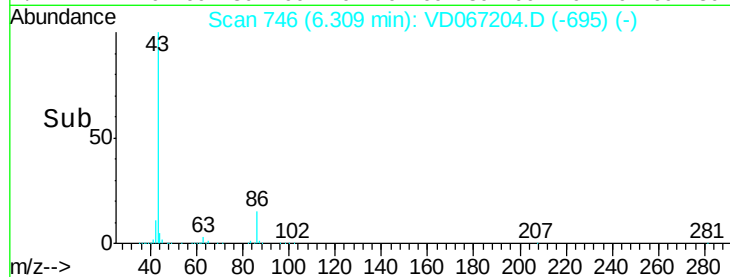
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 44.647 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067204.D

Acq: 09 Oct 2020 11:06

Tgt Ion: 63 Resp: 273946

Ion Ratio Lower Upper

63 100

98 8.9

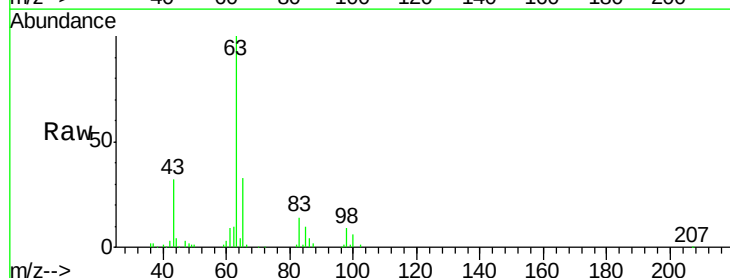
4.2

12.6

100 5.8

2.6

7.8



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

6.27

120000

100000

80000

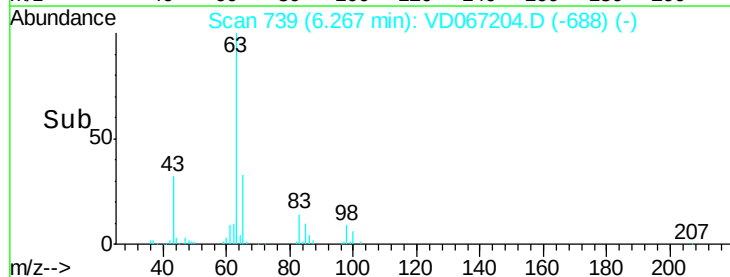
60000

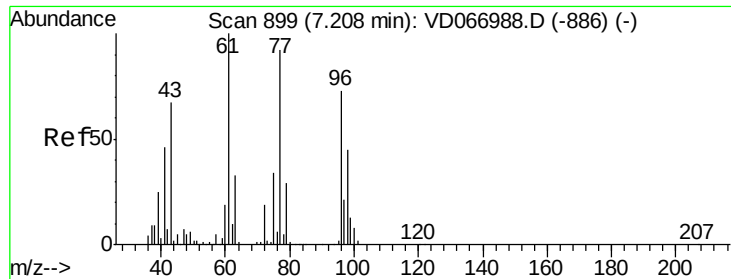
40000

20000

0

Time-->





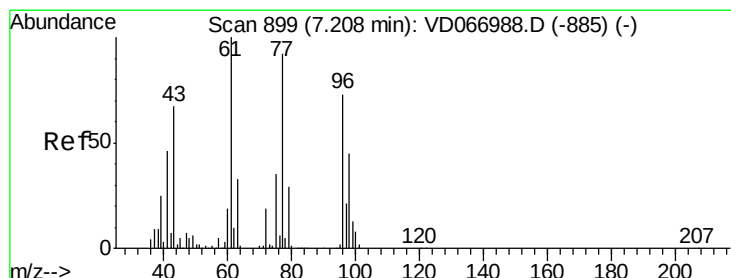
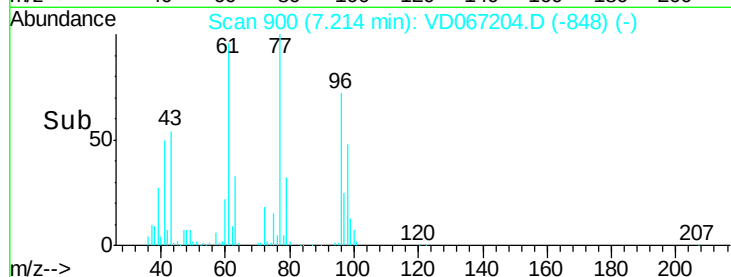
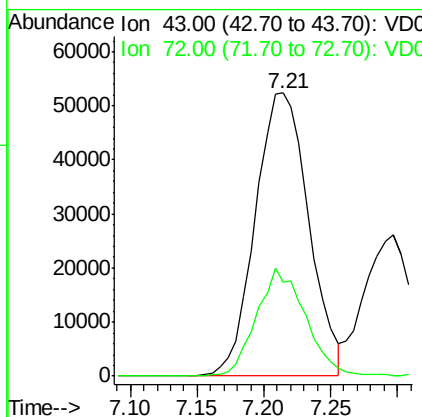
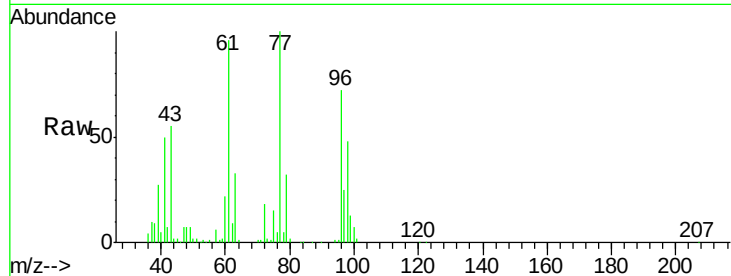
#25
2-Butanone
Concen: 196.131 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	145394
Ion Ratio	100	Lower	Upper
72	33.4	22.8	34.2

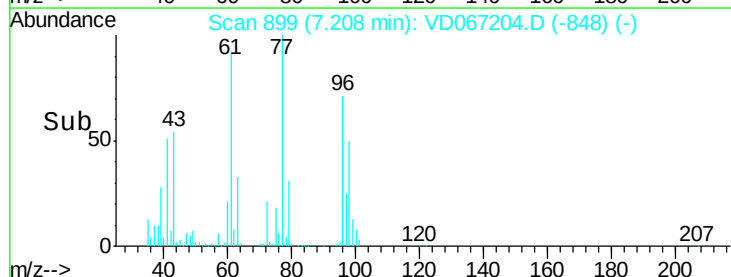
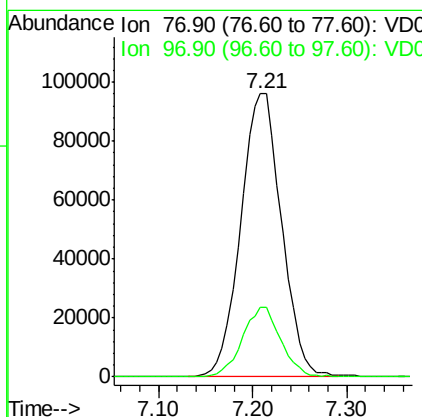
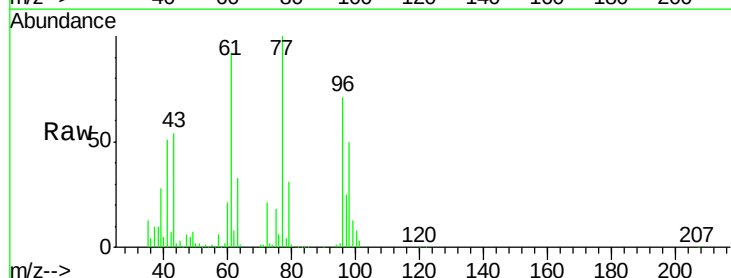
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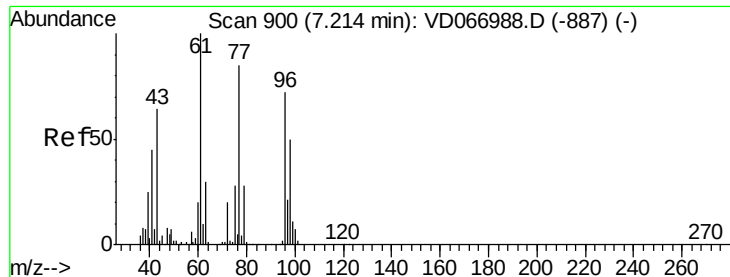
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#26
2,2-Dichloropropane
Concen: 55.420 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Tgt Ion	77	Resp	288430
Ion Ratio	100	Lower	Upper
97	23.1	11.4	34.2





#27

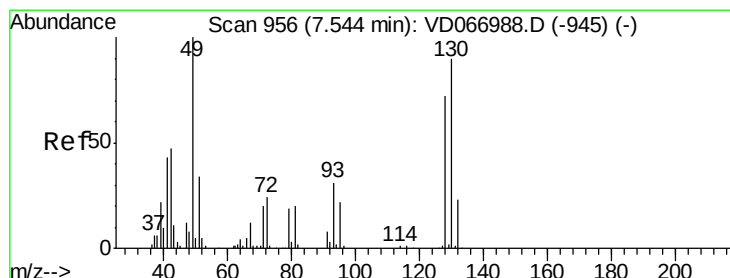
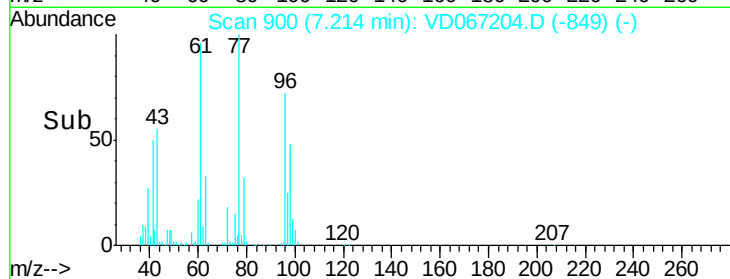
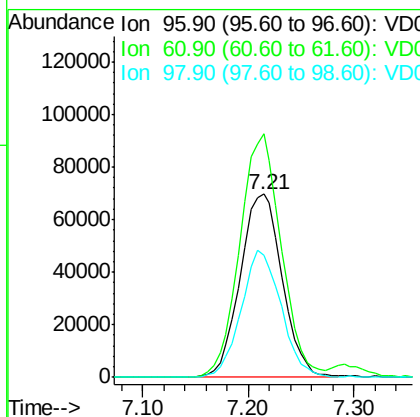
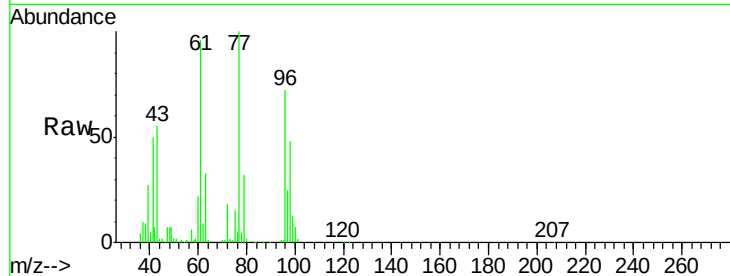
cis-1,2-Dichloroethene
Concen: 47.180 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	192233		
61	131.4	0.0	269.2	
98	66.0	0.0	129.4	

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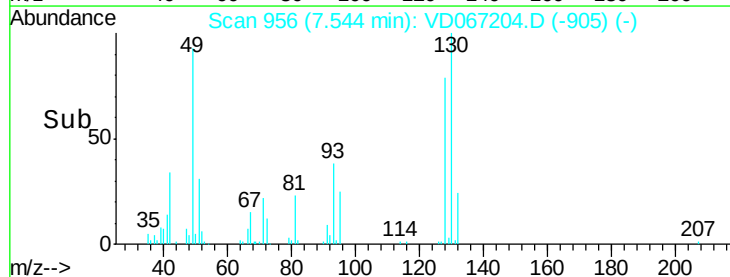
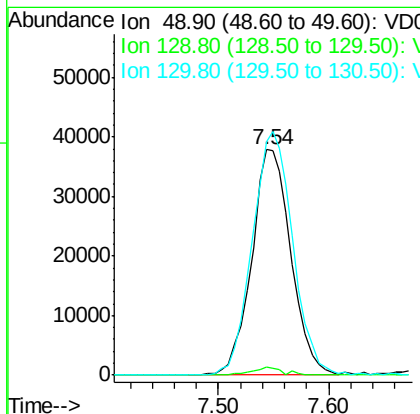
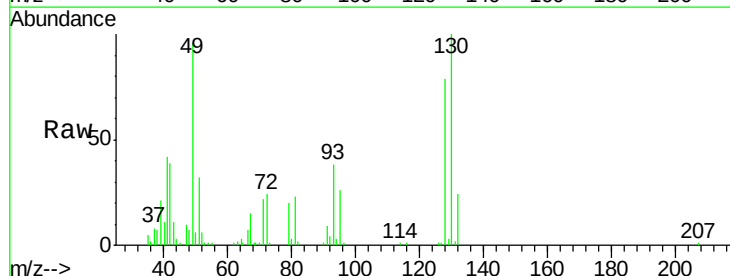
apatel
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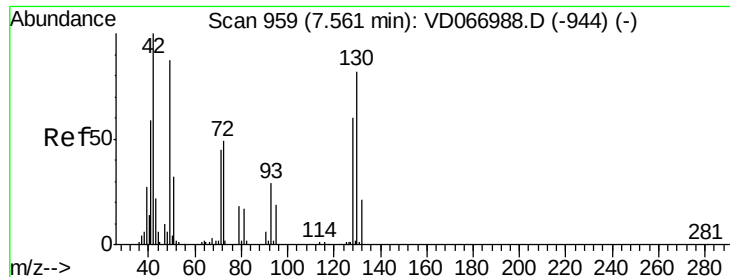


#28

Bromochloromethane
Concen: 39.799 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	94306		
129	2.7	0.0	4.6	
130	111.2	74.1	111.1#	





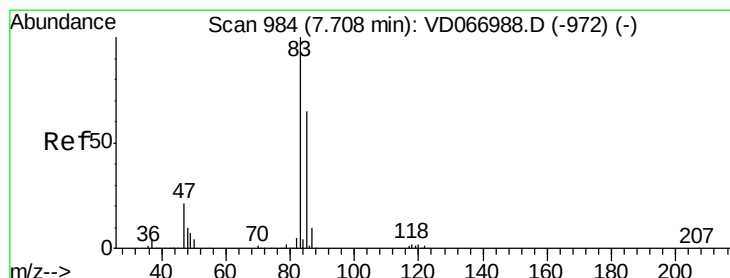
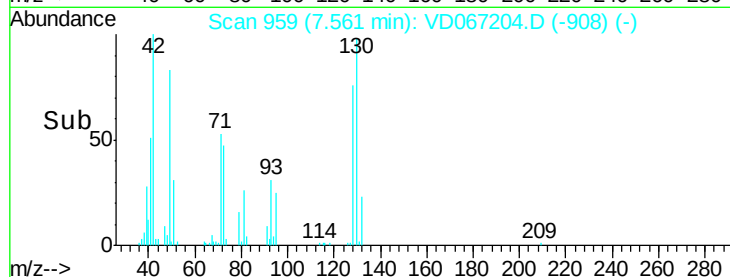
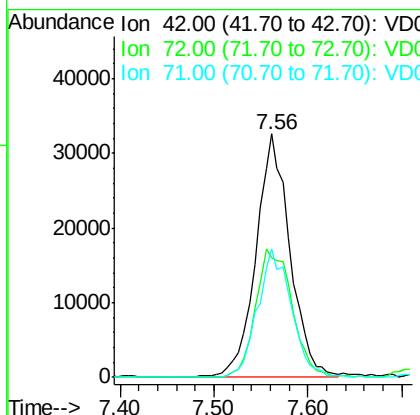
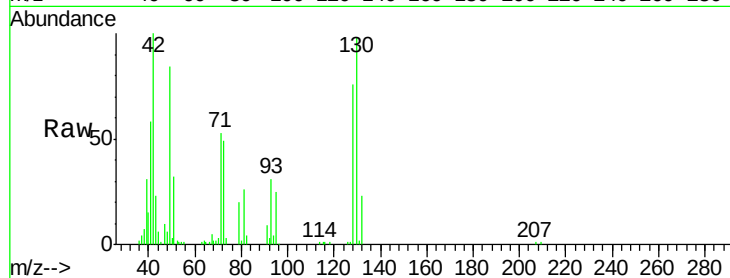
#29
Tetrahydrofuran
Concen: 191.001 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	56.3	39.1	58.7
71	52.4	34.2	51.4

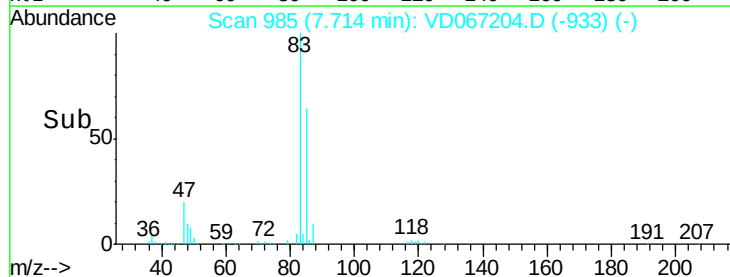
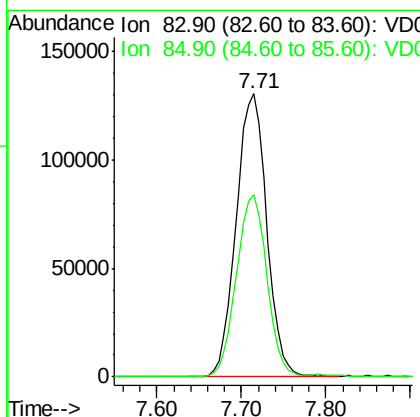
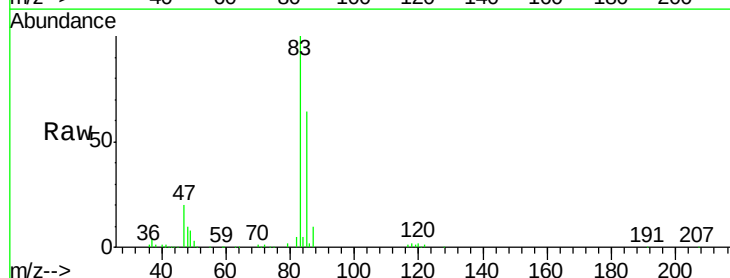
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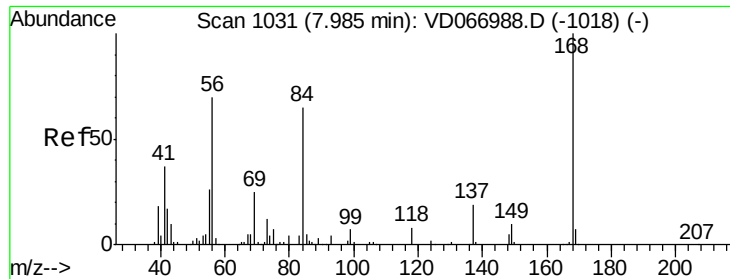
apatel
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#30
Chloroform
Concen: 49.119 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.3	78.5





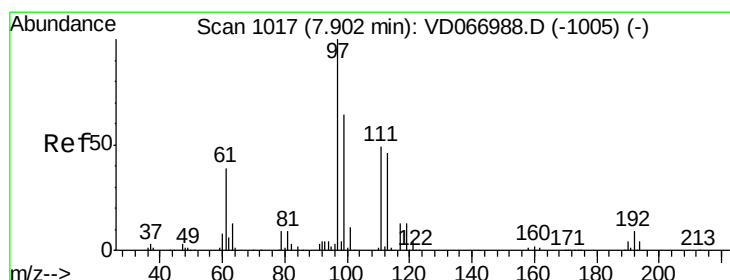
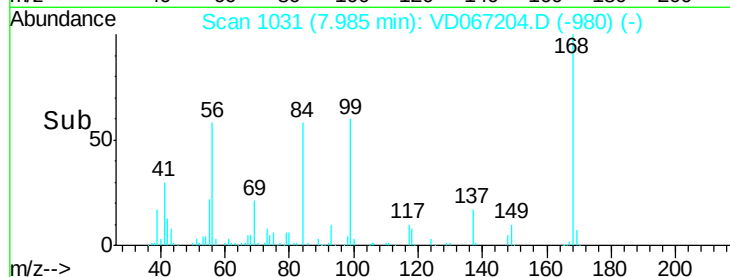
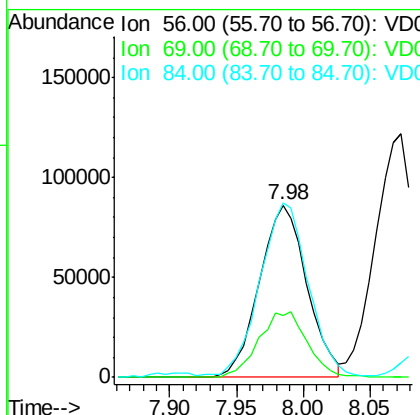
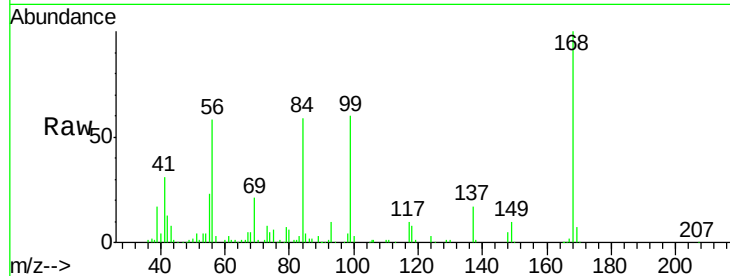
#31
Cyclohexane
Concen: 41.341 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.1	29.0	43.6
84	98.9	74.2	111.2

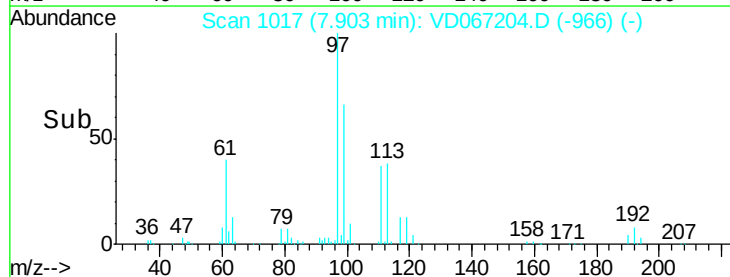
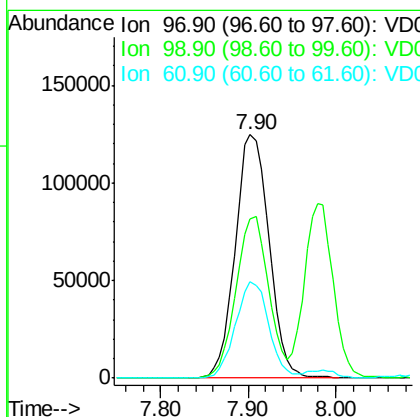
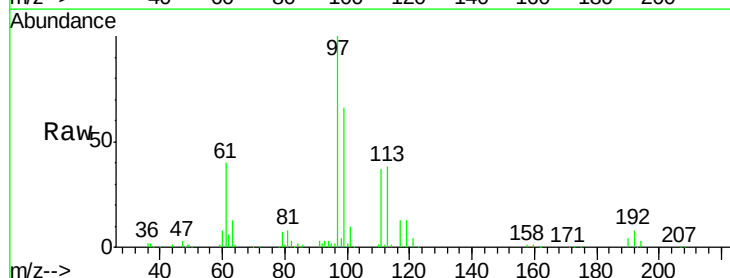
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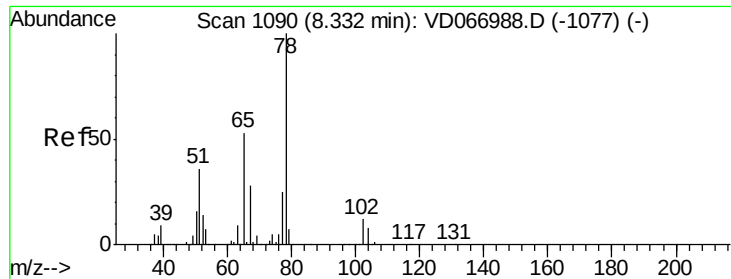
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#32
1,1,1-Trichloroethane
Concen: 52.904 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.6	78.8
61	39.3	32.8	49.2





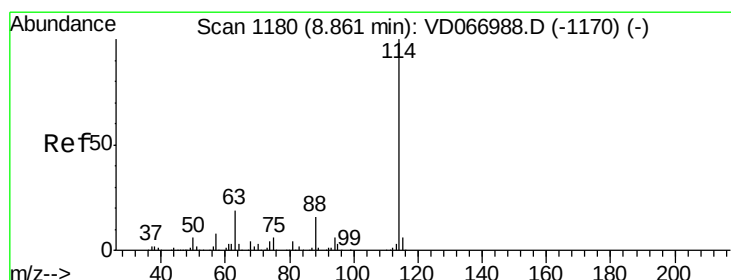
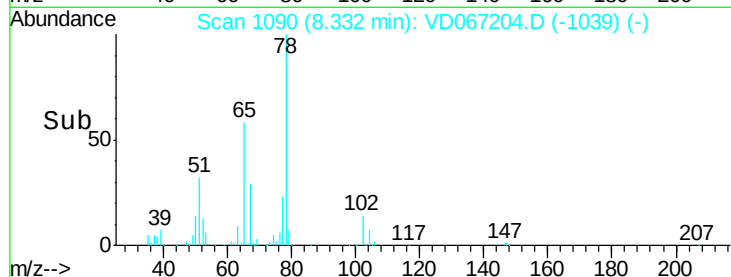
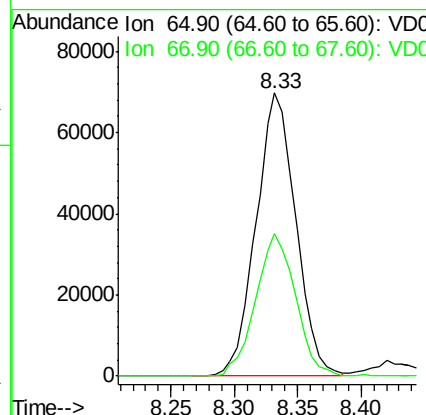
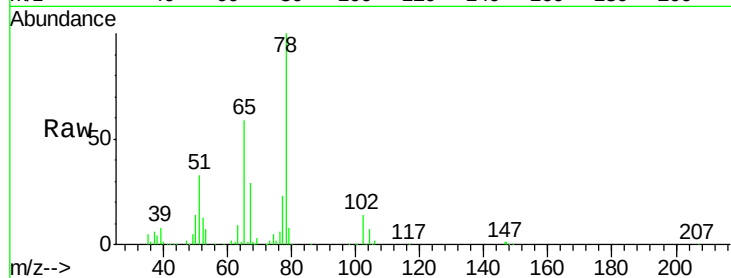
#33
 1,2-Dichloroethane-d4
 Concen: 44.535 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067204.D
 Acq: 09 Oct 2020 11:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	152546		
67	50.3	0.0	106.8	

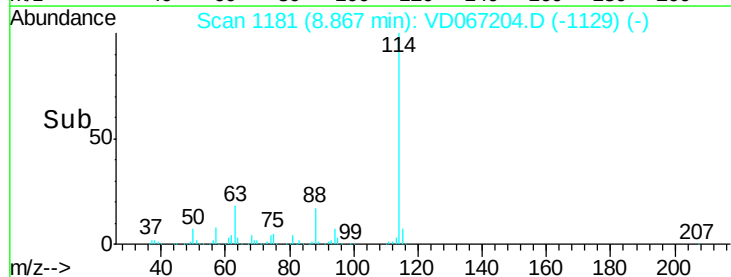
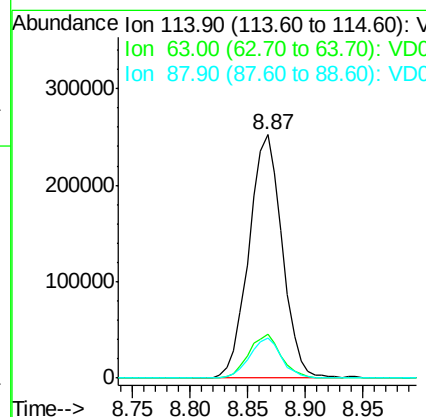
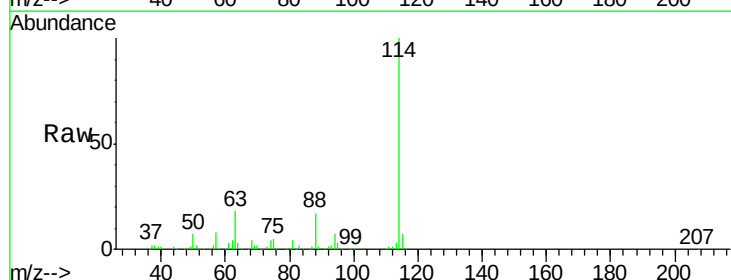
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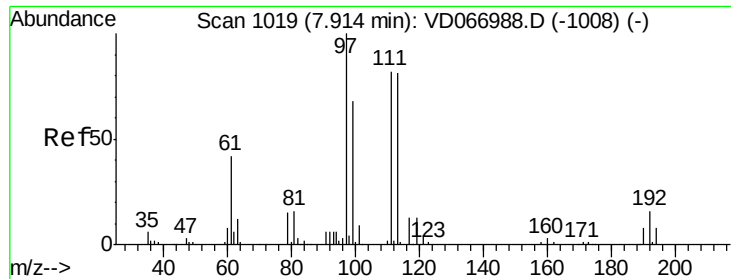
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067204.D
 Acq: 09 Oct 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	506925		
63	18.1	0.0	38.4	
88	16.7	0.0	31.2	





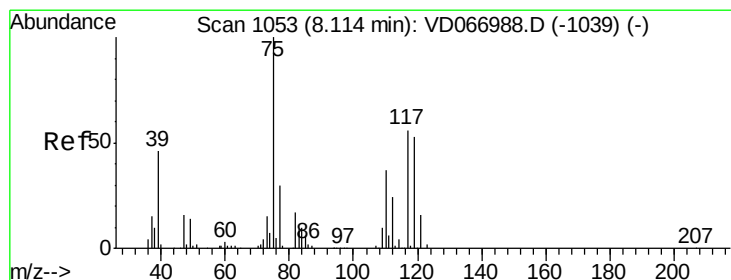
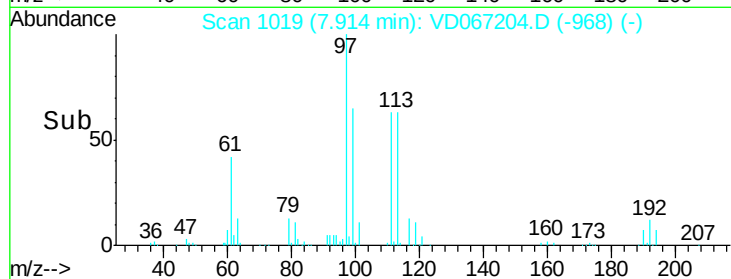
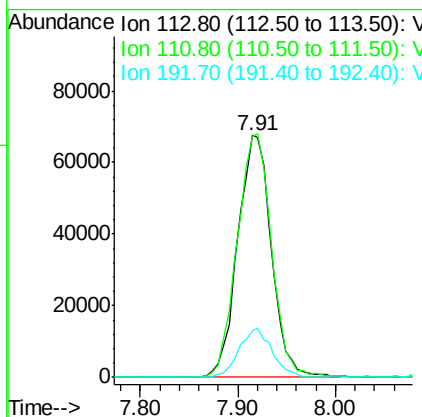
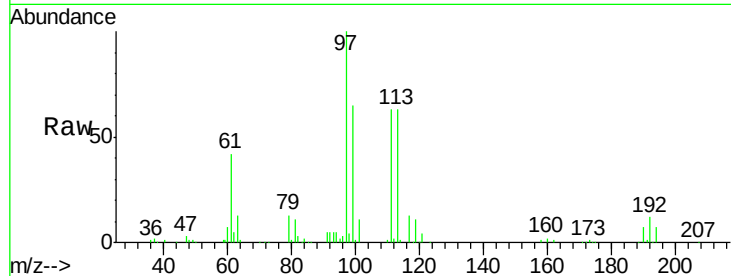
#35
 Dibromofluoromethane
 Concen: 49.133 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067204.D
 Acq: 09 Oct 2020 11:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	163061		
111	102.5	83.0	124.4	
192	19.9	15.5	23.3	

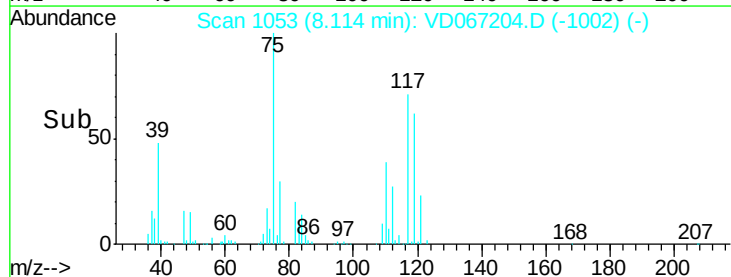
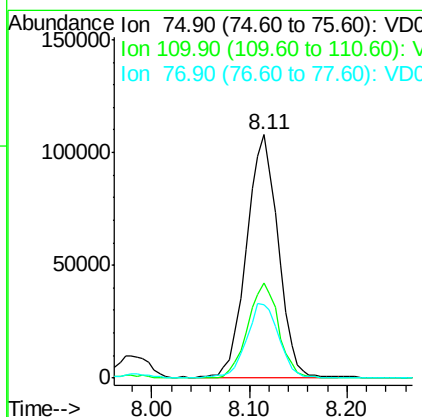
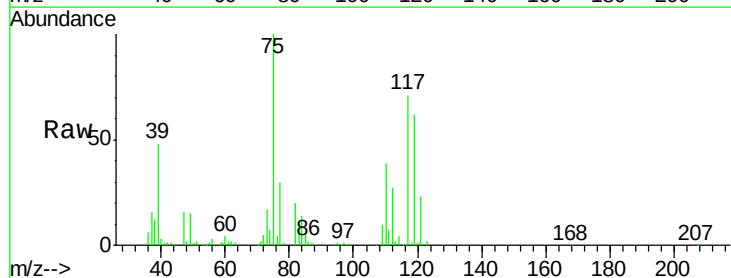
Manual Integrations
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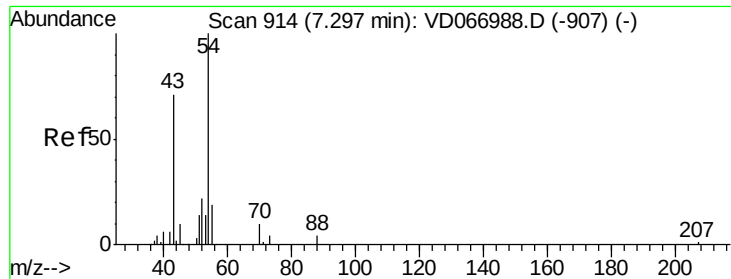
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#36
 1,1-Dichloropropene
 Concen: 51.306 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067204.D
 Acq: 09 Oct 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	242425		
110	38.4	18.4	55.0	
77	31.9	24.8	37.2	





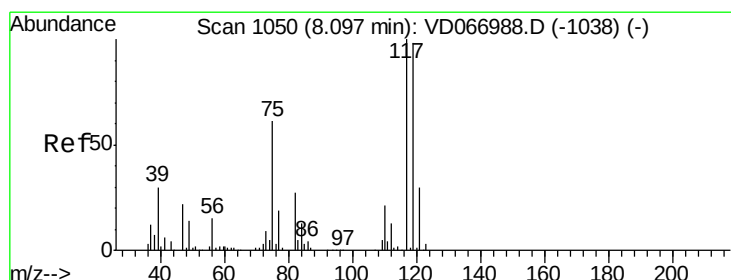
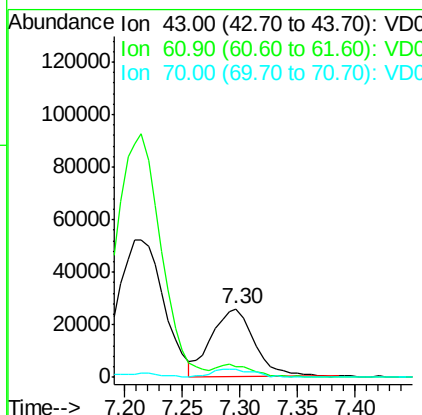
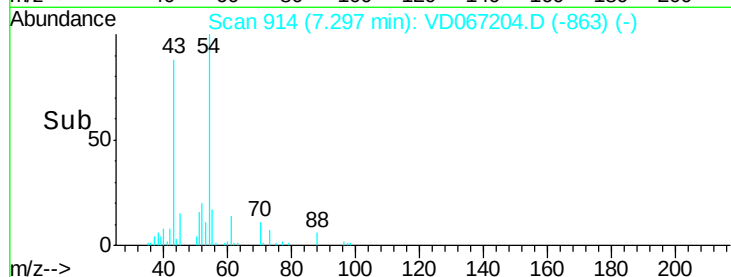
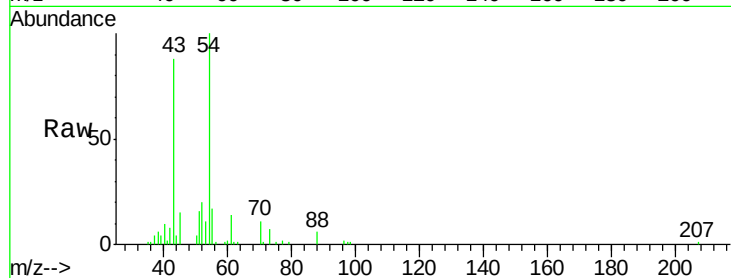
#37
Ethyl Acetate
Concen: 40.765 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.5	18.7
70	12.3	9.4	14.0

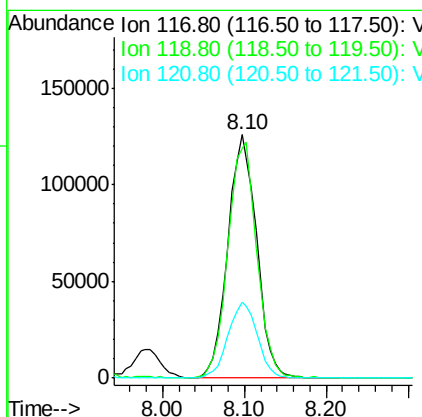
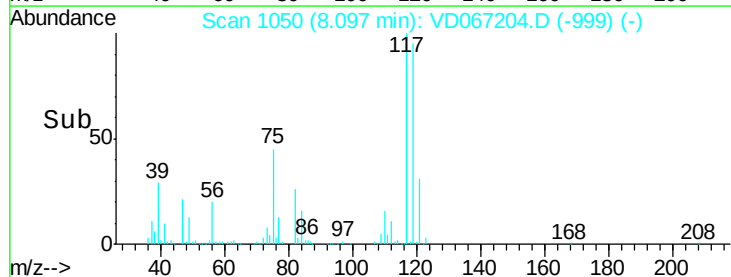
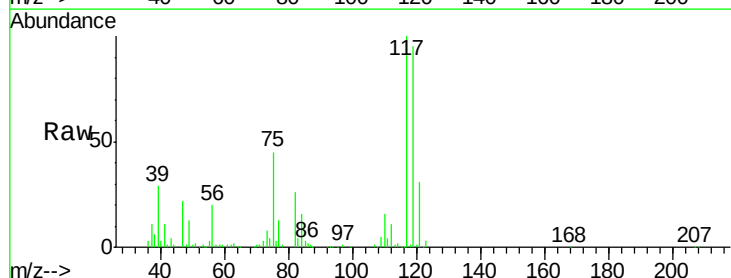
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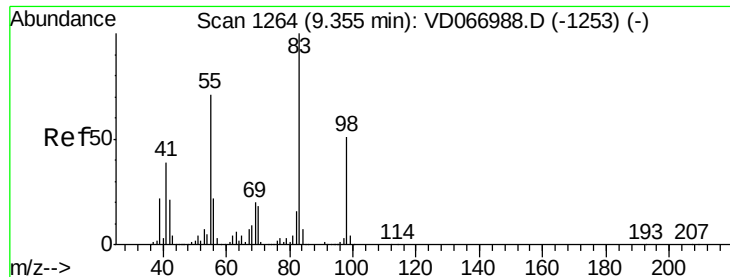
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#38
Carbon Tetrachloride
Concen: 60.192 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	78.7	118.1
121	31.5	24.2	36.2





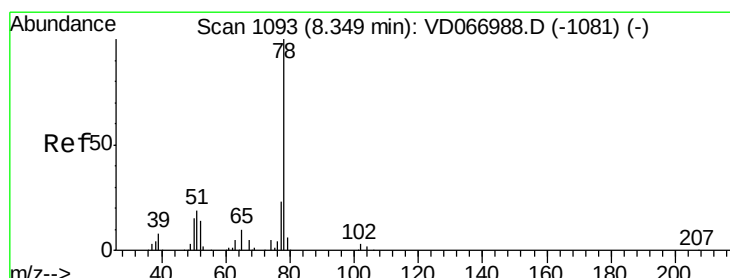
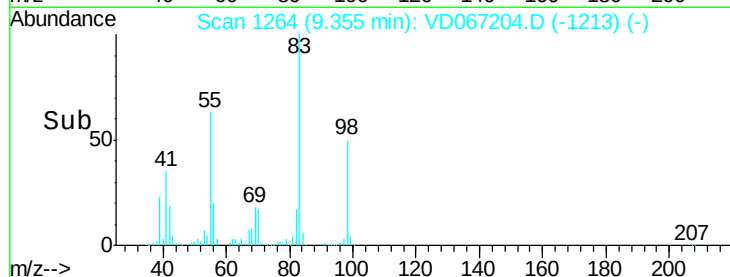
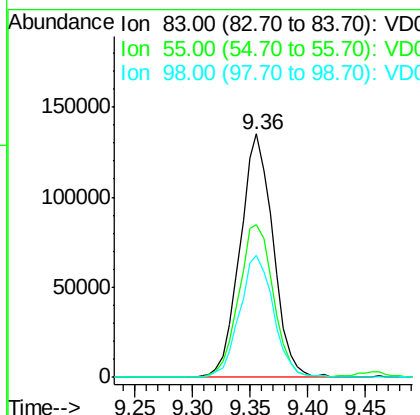
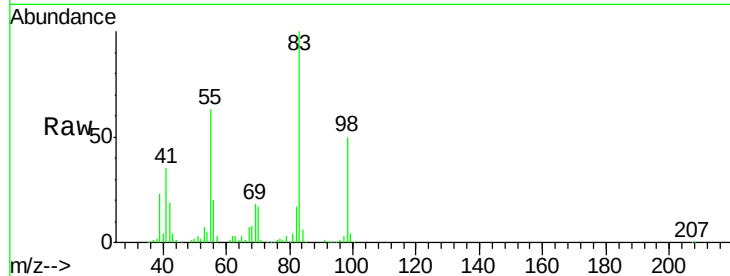
#39
Methvlcvclohexane
Concen: 53.891 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	62.9	57.1	85.7
98	50.3	40.9	61.3

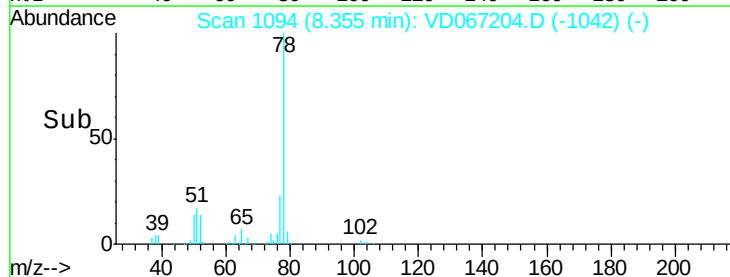
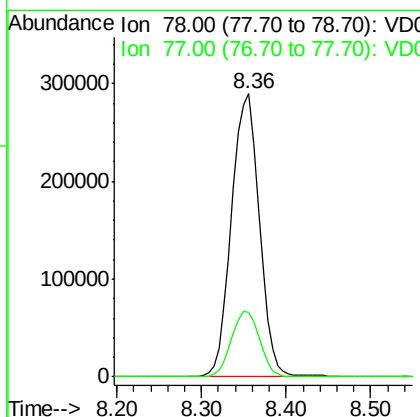
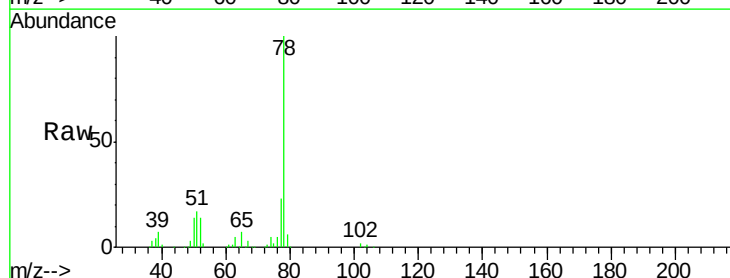
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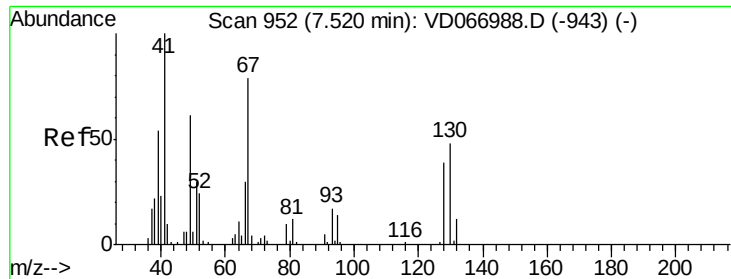
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#40
Benzene
Concen: 50.270 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.4	27.6





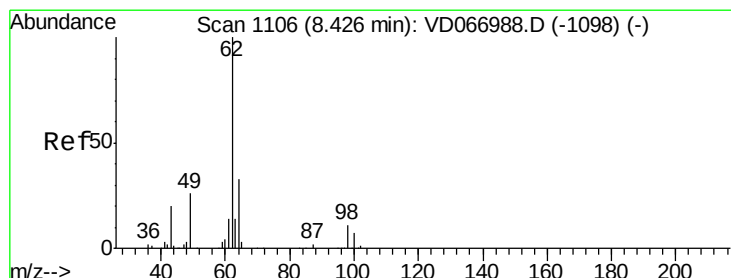
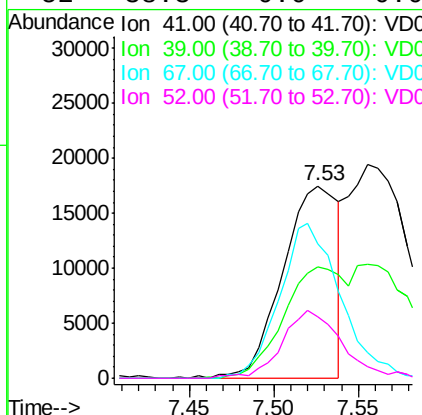
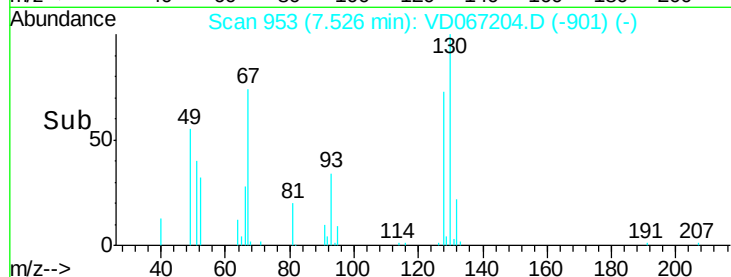
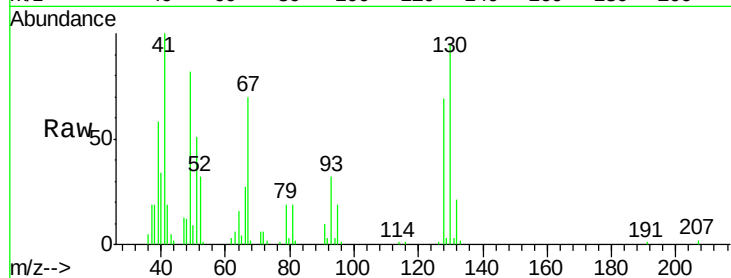
#41
Methacrylonitrile
Concen: 44.803 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.01 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	65.5	0.0	0.0	#
67	88.7	0.0	0.0	#
52	38.3	0.0	0.0	#

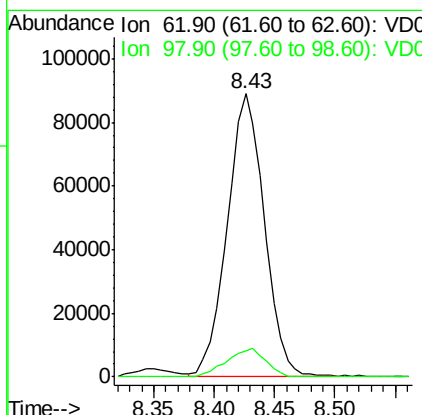
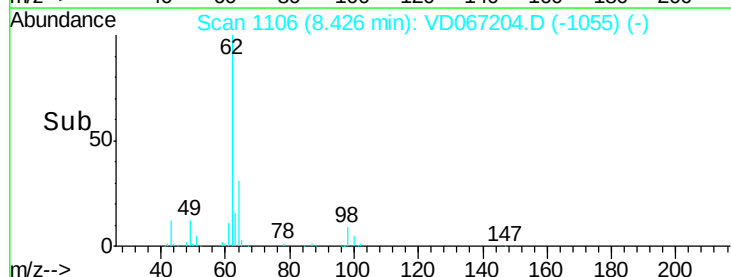
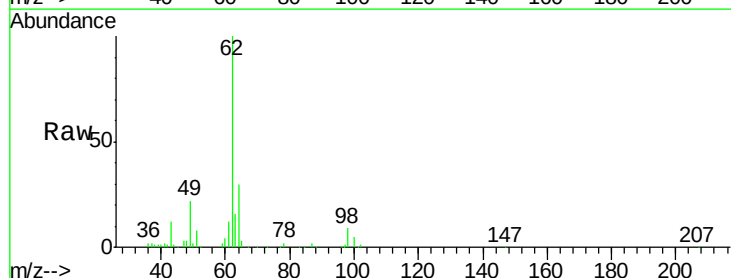
Manual Integrations
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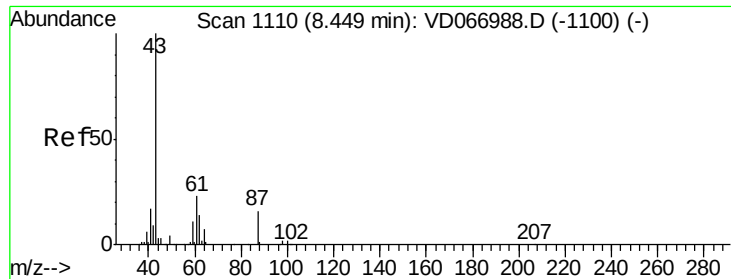
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#42
1,2-Dichloroethane
Concen: 51.658 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	10.7	0.0	22.6	





#43

Isopropyl Acetate

Concen: 44.828 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VD067204.D

Acq: 09 Oct 2020 11:06

Instrument :

MSVOA_D

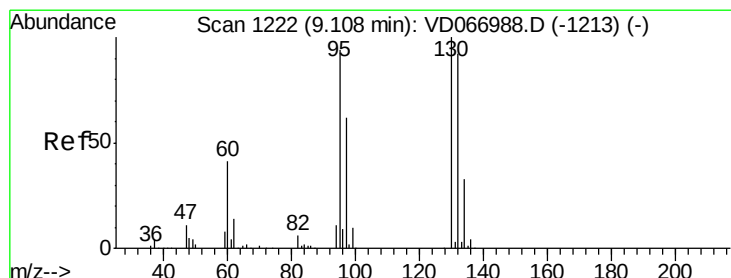
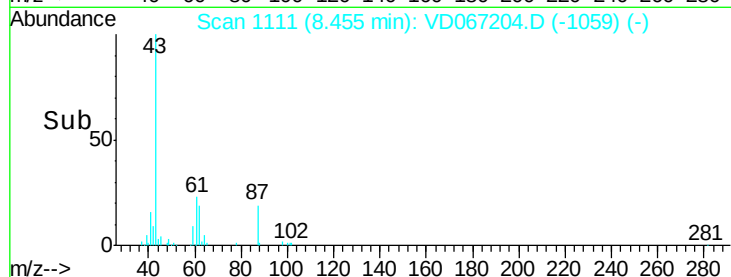
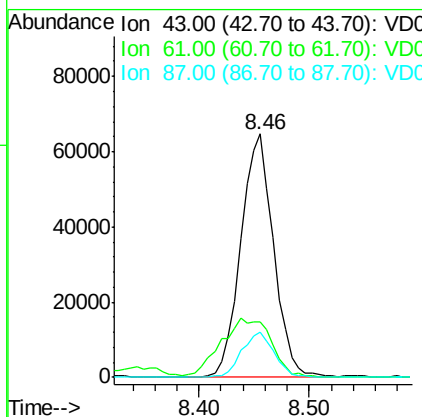
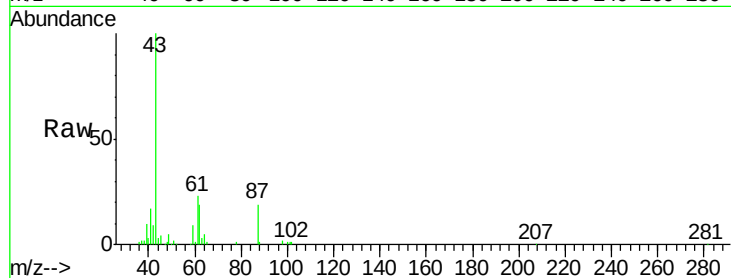
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	135180
Ion	Ratio	Lower	Upper
43	100		
61	37.2	27.1	40.7
87	18.2	12.3	18.5

Manual Integrations
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#44

Trichloroethene

Concen: 53.632 ug/l

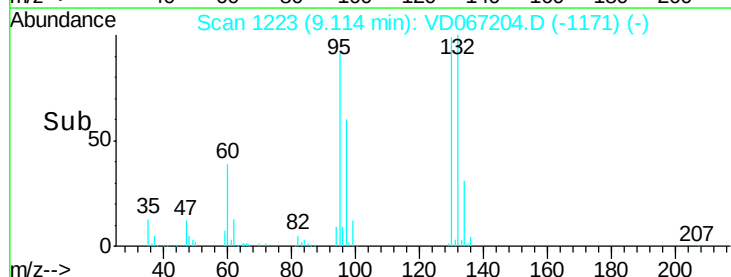
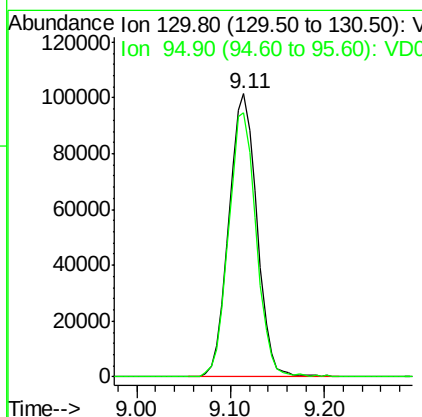
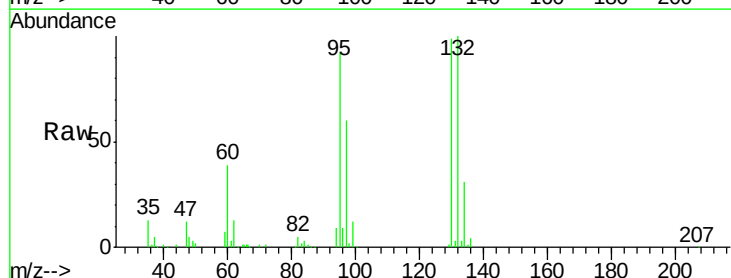
RT: 9.11 min Scan# 1223

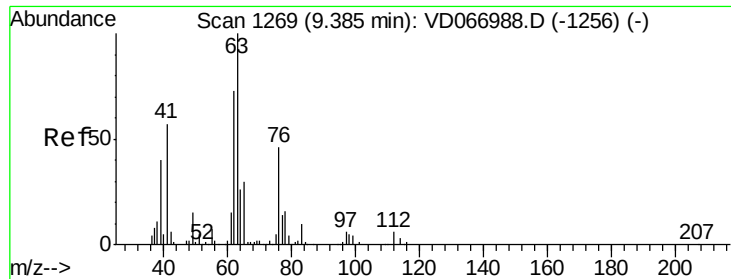
Delta R.T. 0.01 min

Lab File: VD067204.D

Acq: 09 Oct 2020 11:06

Tgt Ion:	130	Resp:	210183
Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	187.8





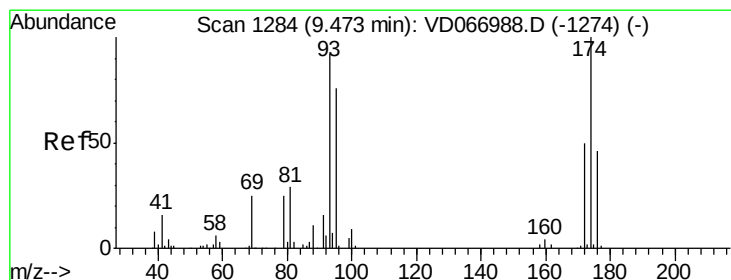
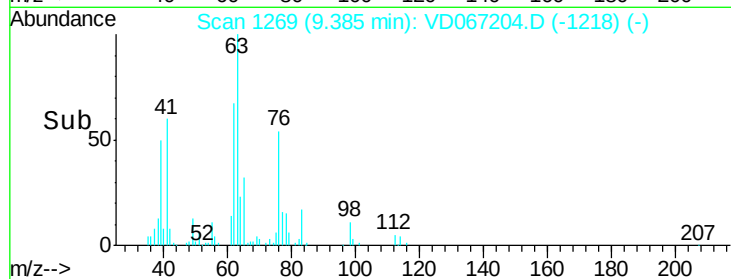
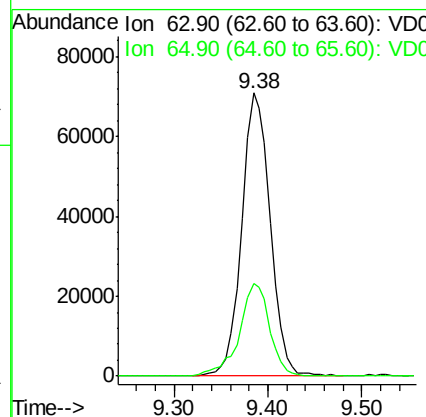
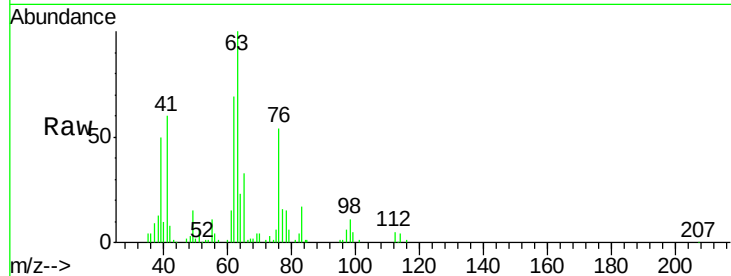
#45
 1,2-Dichloropropane
 Concen: 48.330 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD067204.D
 Acq: 09 Oct 2020 11:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 149036
 Ion Ratio Lower Upper
 63 100
 65 32.8 23.7 35.5

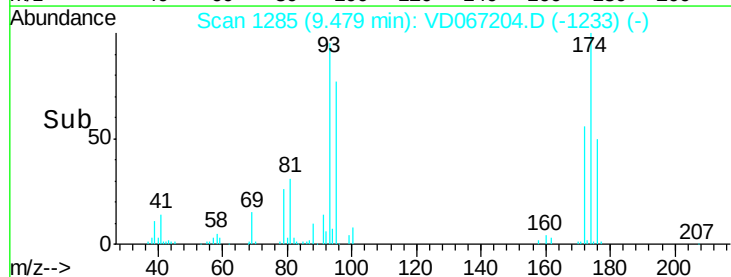
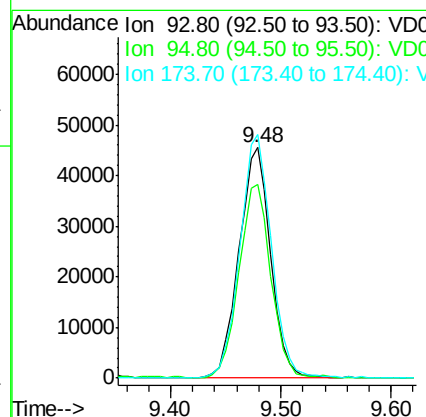
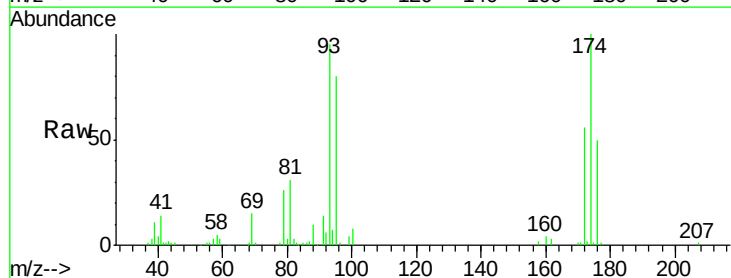
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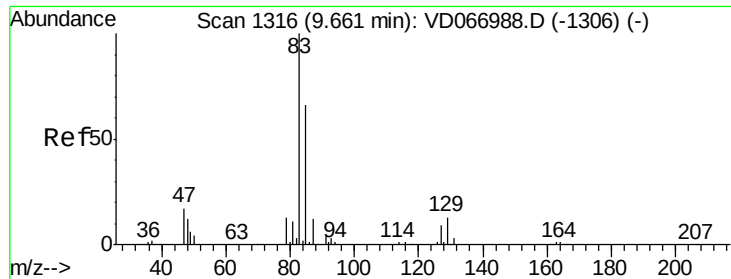
apatel
 10/12/2020 10:42:02 AM



#46
 Dibromomethane
 Concen: 51.696 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD067204.D
 Acq: 09 Oct 2020 11:06

Tgt Ion: 93 Resp: 91623
 Ion Ratio Lower Upper
 93 100
 95 84.7 64.7 97.1
 174 105.8 81.4 122.2





#47

Bromodichloromethane

Concen: 52.459 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD067204.D

Acq: 09 Oct 2020 11:06

Instrument :

MSVOA_D

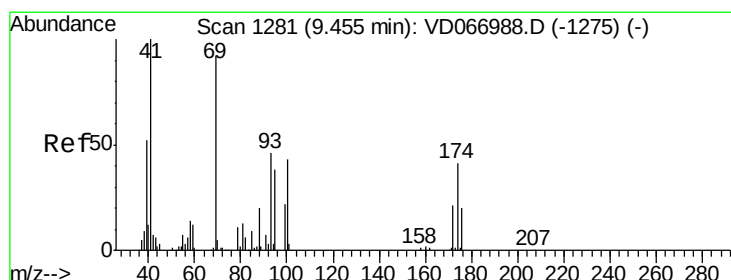
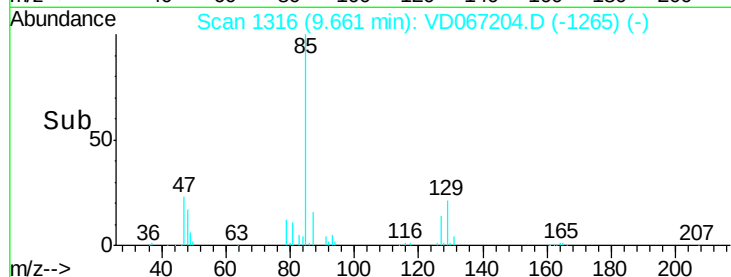
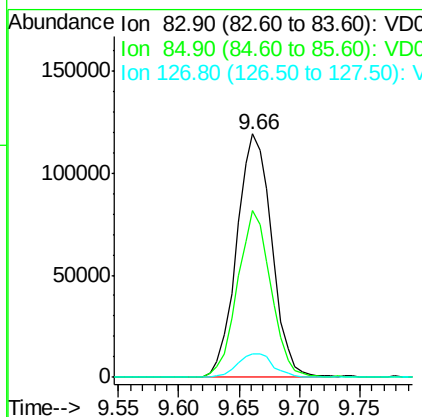
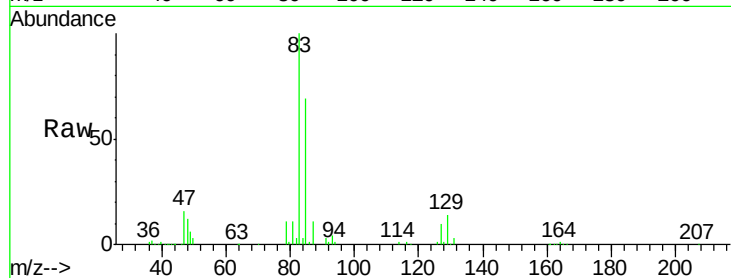
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	241684
Ion	Ratio	Lower	Upper
83	100		
85	68.6	52.9	79.3
127	9.9	7.3	10.9

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#48

Methyl methacrylate

Concen: 44.768 ug/l

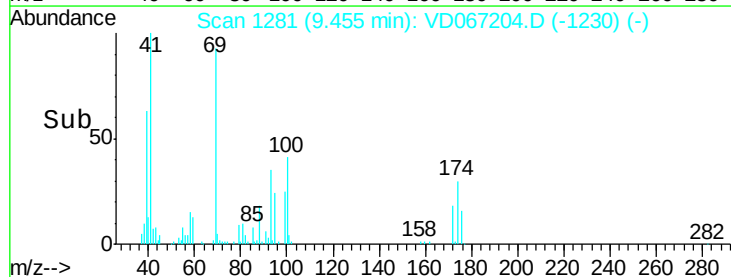
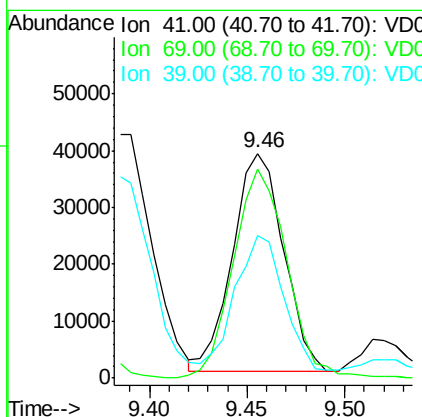
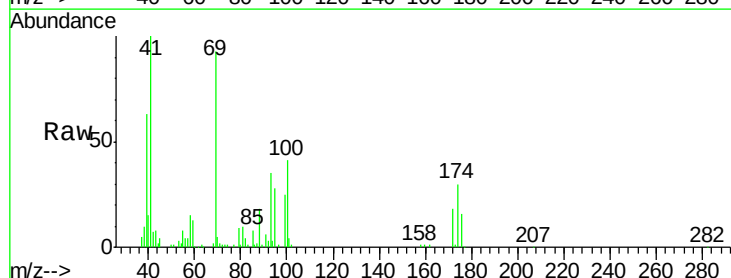
RT: 9.46 min Scan# 1281

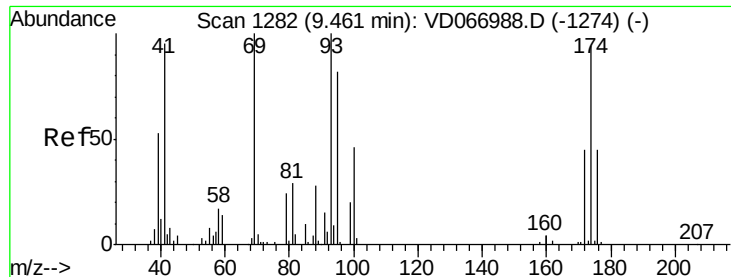
Delta R.T. 0.00 min

Lab File: VD067204.D

Acq: 09 Oct 2020 11:06

Tgt Ion:	41	Resp:	69162
Ion	Ratio	Lower	Upper
41	100		
69	101.2	68.5	102.7
39	58.8	40.2	60.2





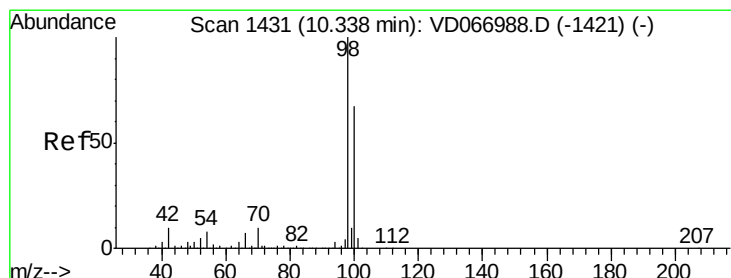
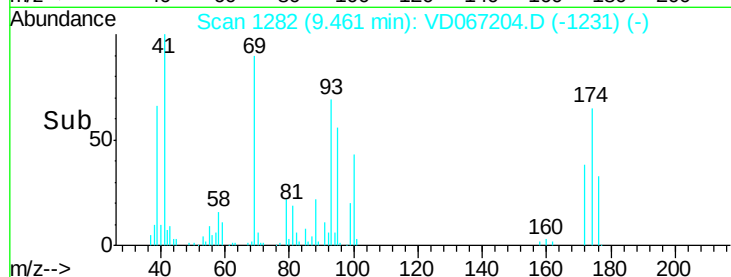
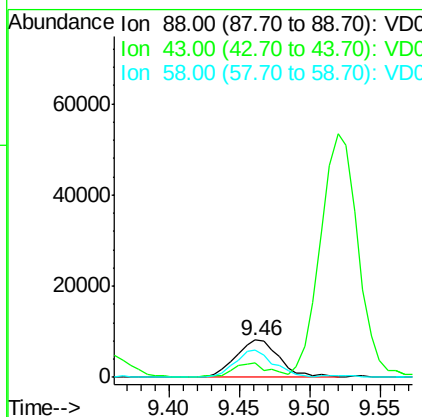
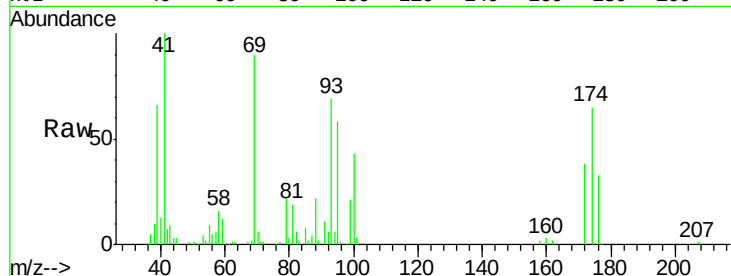
#49
1,4-Dioxane
Concen: 960.496 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	17767
Ion	Ratio	Lower	Upper
88	100		
43	32.7	25.6	38.4
58	64.6	53.5	80.3

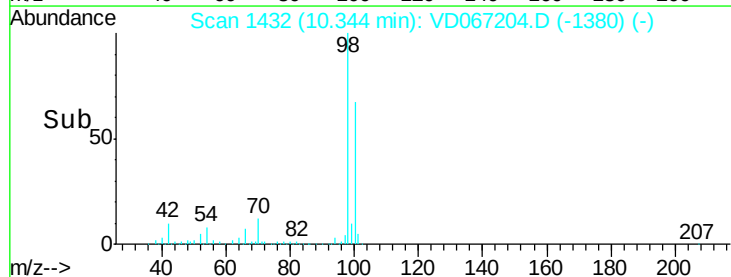
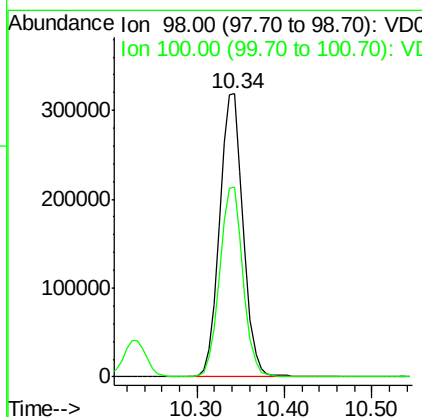
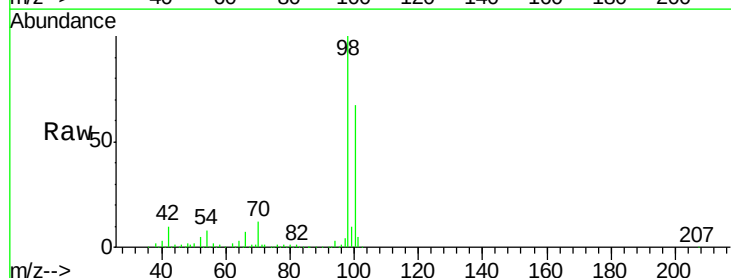
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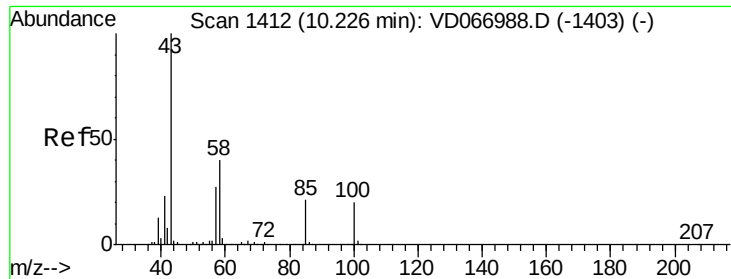
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#50
Toluene-d8
Concen: 49.031 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Tgt Ion	98	Resp	592935
Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.8	79.2





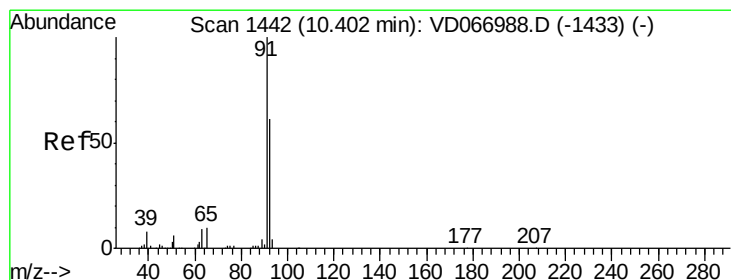
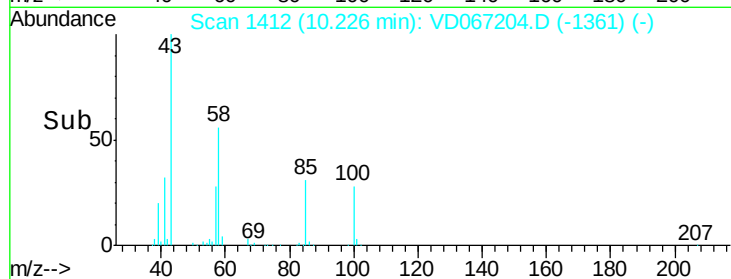
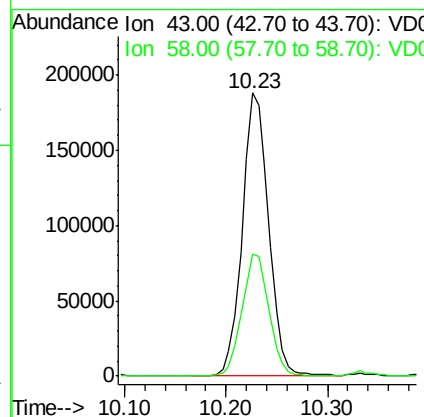
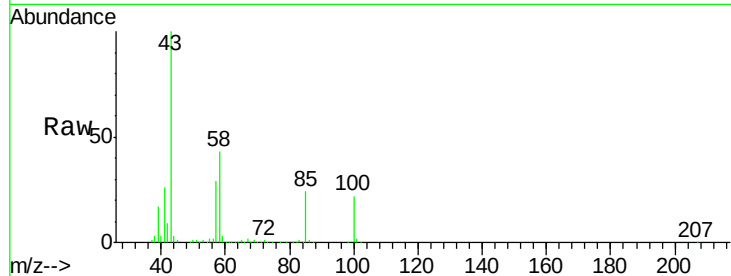
#51
4-Methyl-2-Pentanone
Concen: 226.117 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	339634
Ion Ratio	100	Lower	Upper
43	100		
58	44.0	33.8	50.8

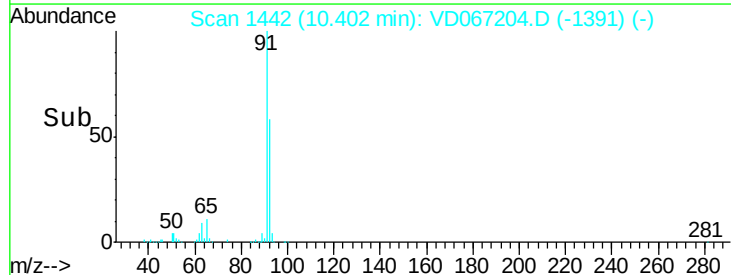
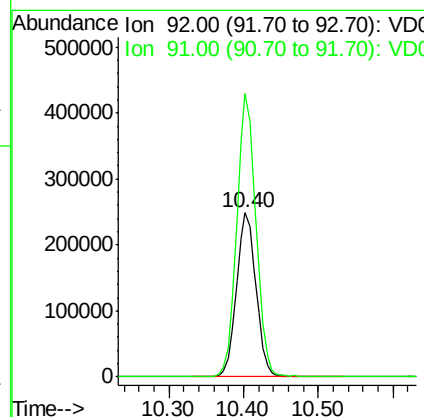
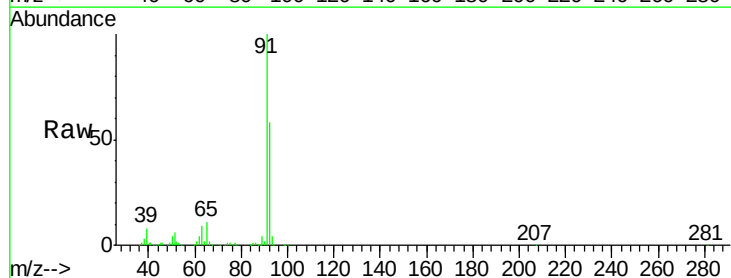
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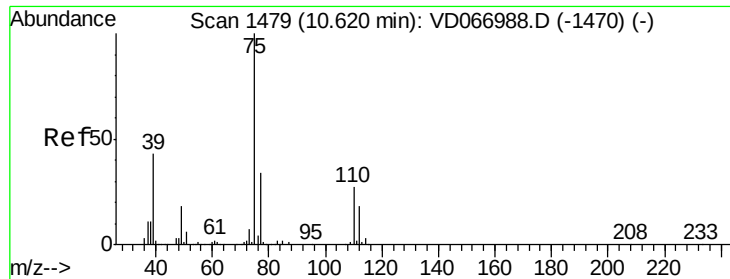
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#52
Toluene
Concen: 53.592 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Tgt Ion	92	Resp	453082
Ion Ratio	100	Lower	Upper
92	100		
91	169.7	135.1	202.7





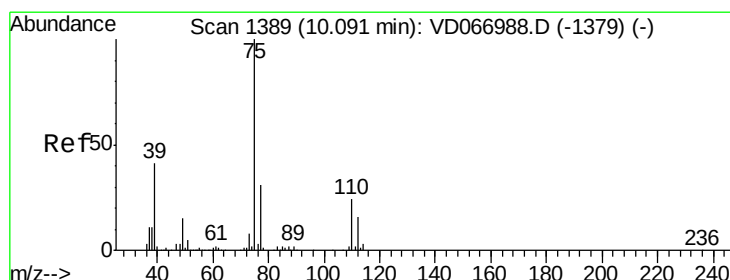
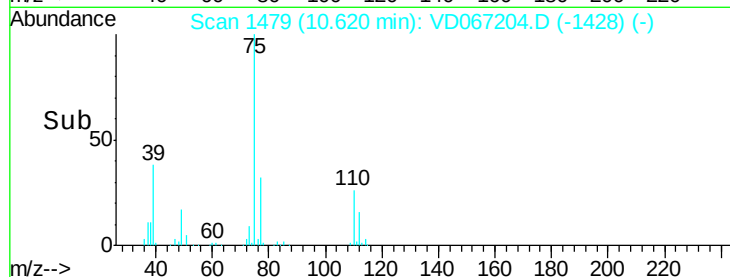
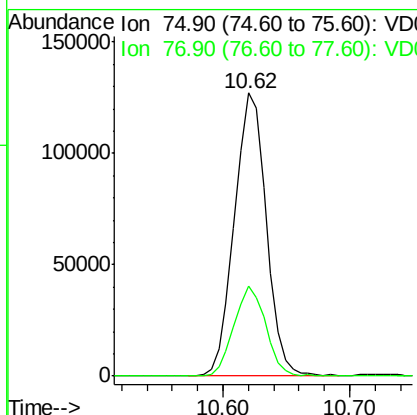
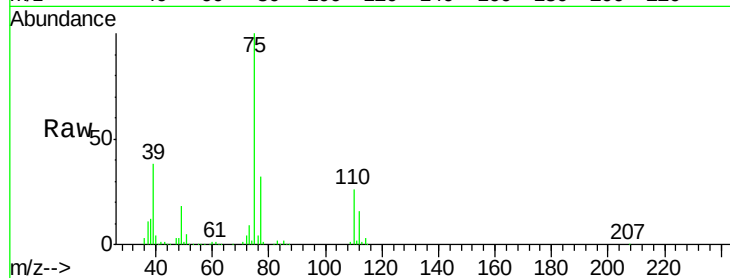
#53
t-1,3-Dichloropropene
Concen: 53.887 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 221884
Ion Ratio Lower Upper
75 100
77 32.0 27.1 40.7

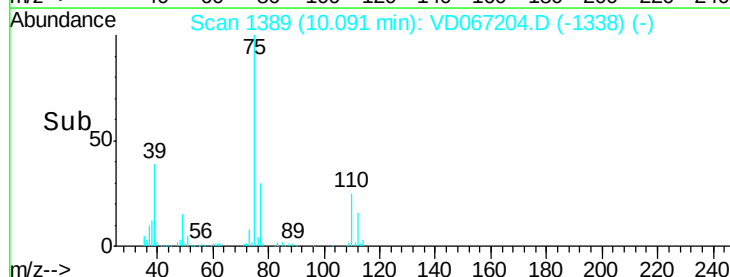
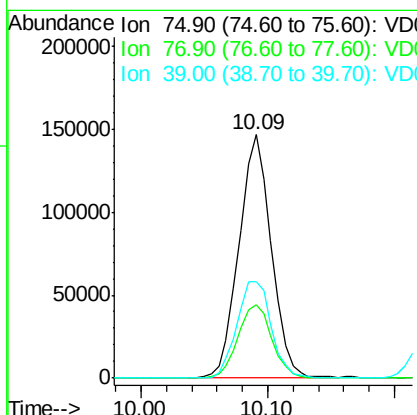
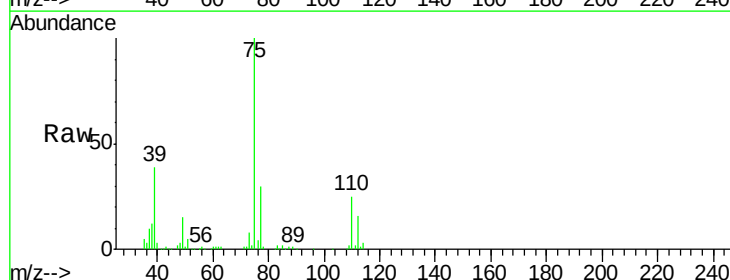
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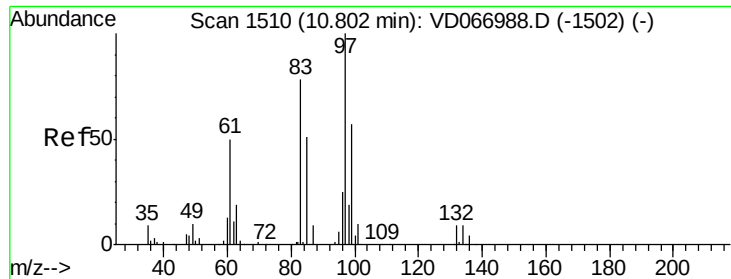
apatel
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#54
cis-1,3-Dichloropropene
Concen: 51.633 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Tgt Ion: 75 Resp: 259611
Ion Ratio Lower Upper
75 100
77 30.3 24.6 37.0
39 39.3 33.0 49.4





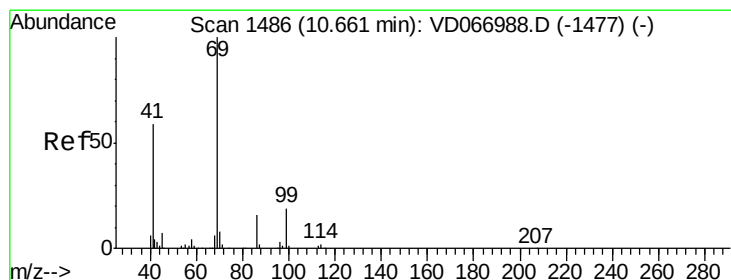
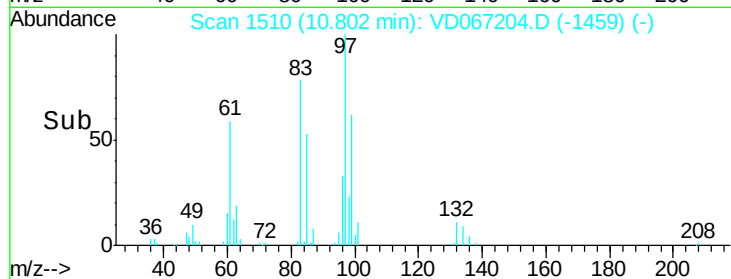
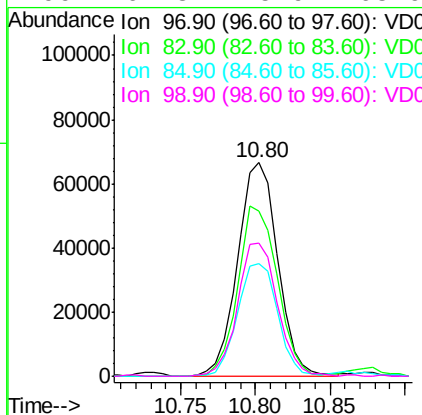
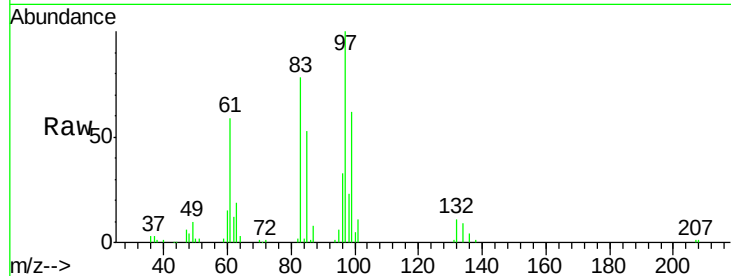
#55
 1,1,2-Trichloroethane
 Concen: 50.384 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067204.D
 Acq: 09 Oct 2020 11:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		124152		
83	77.6	62.4	93.6		
85	52.7	41.0	61.4		
99	62.3	45.9	68.9		

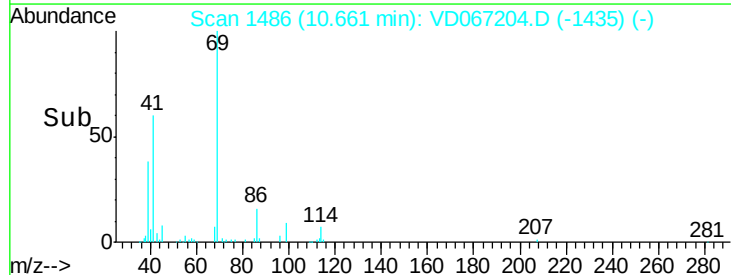
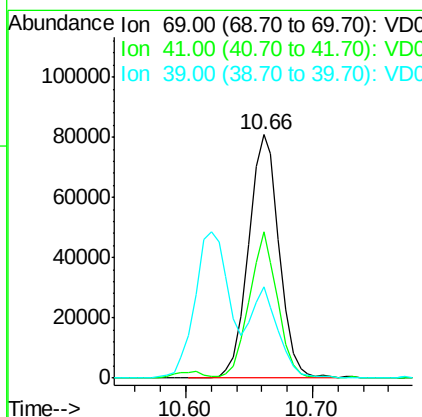
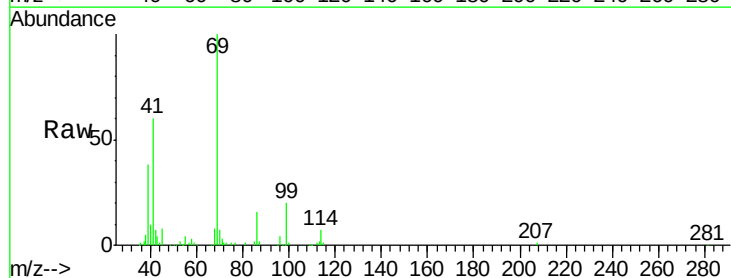
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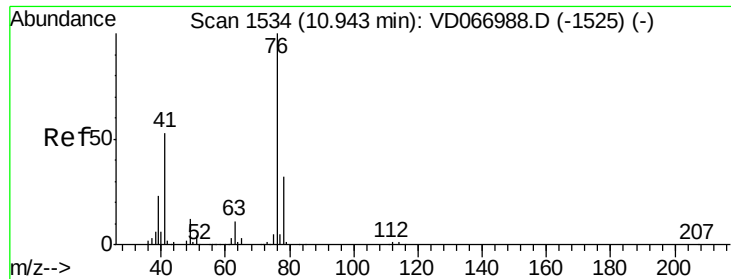
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#56
 Ethyl methacrylate
 Concen: 53.340 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067204.D
 Acq: 09 Oct 2020 11:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		135700		
41	55.0	46.4	69.6		
39	33.7	23.8	35.6		





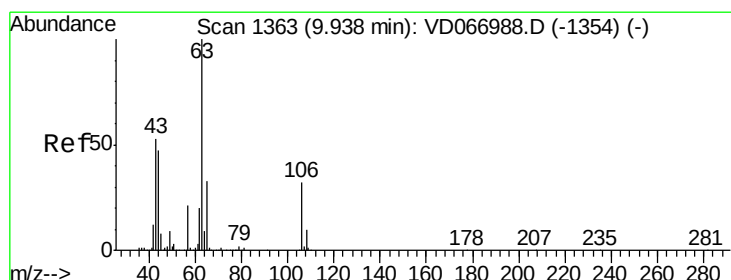
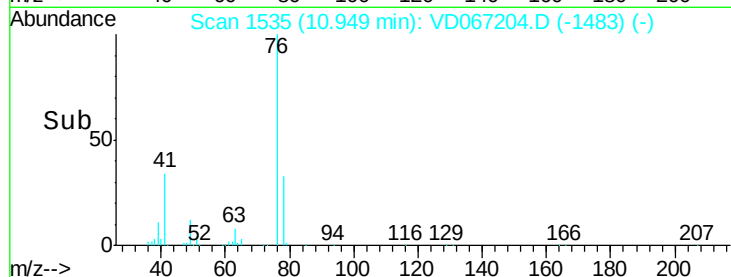
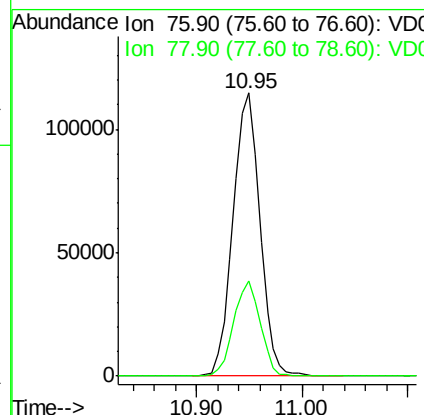
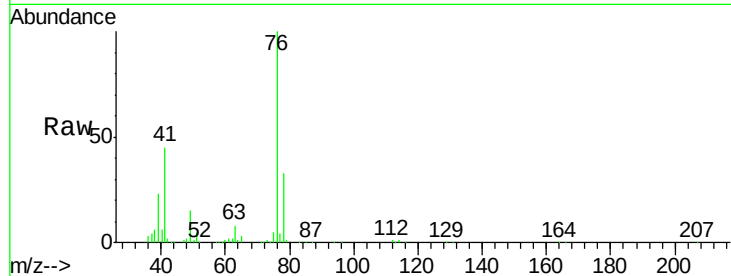
#57
 1,3-Dichloropropane
 Concen: 50.681 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD067204.D
 Acq: 09 Oct 2020 11:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.8

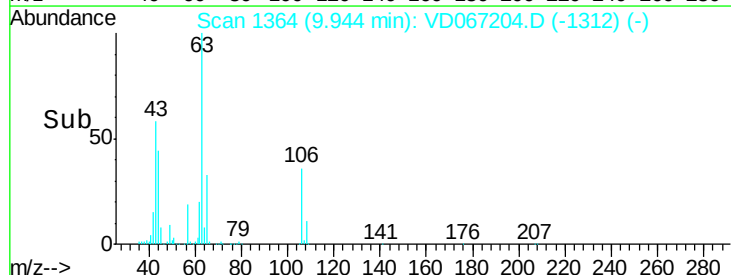
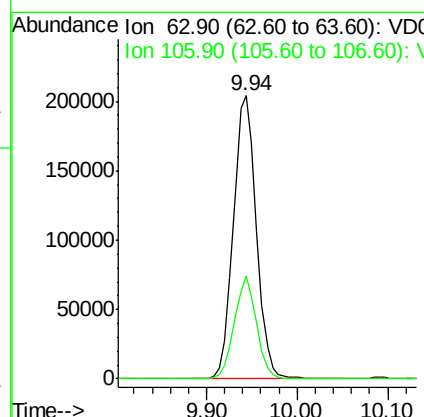
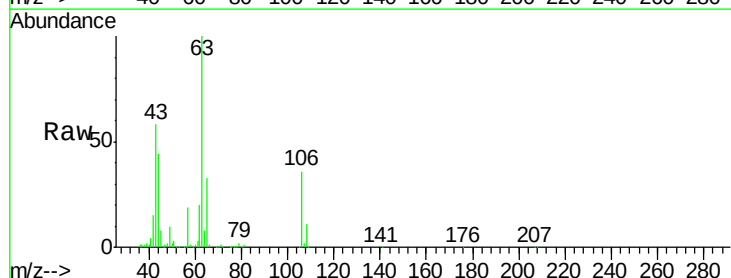
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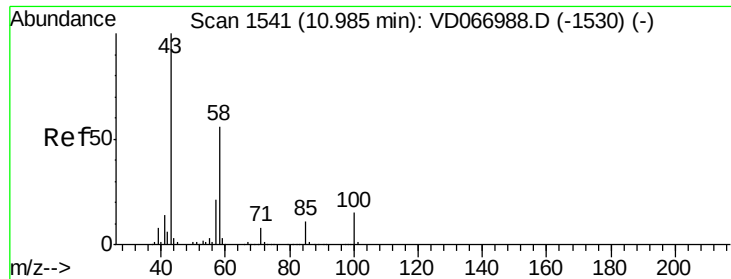
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#58
 2-Chloroethyl Vinyl ether
 Concen: 255.363 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.01 min
 Lab File: VD067204.D
 Acq: 09 Oct 2020 11:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	34.8	25.3	37.9





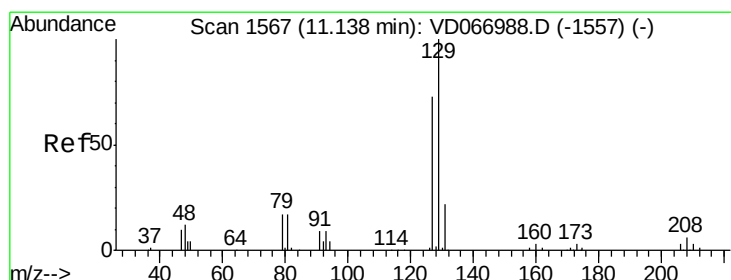
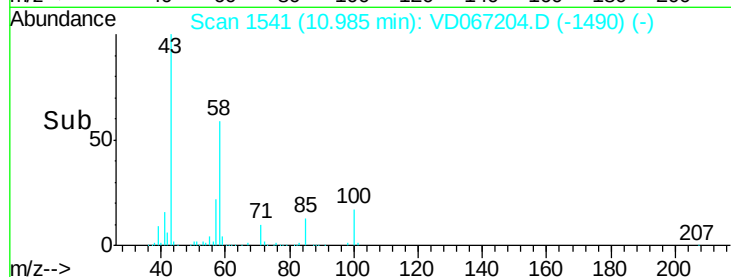
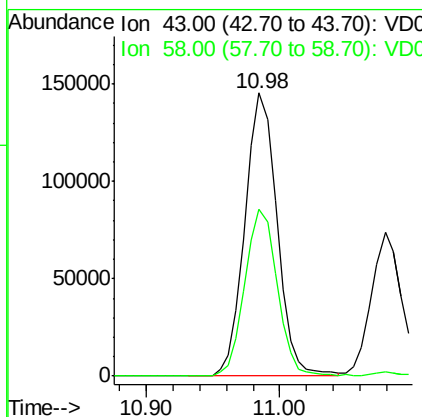
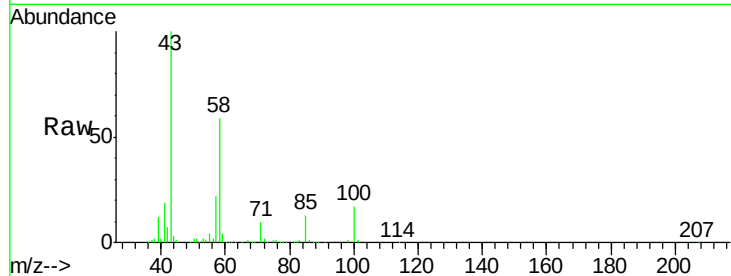
#59
2-Hexanone
Concen: 242.106 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 242716
Ion Ratio Lower Upper
43 100
58 59.4 28.3 84.9

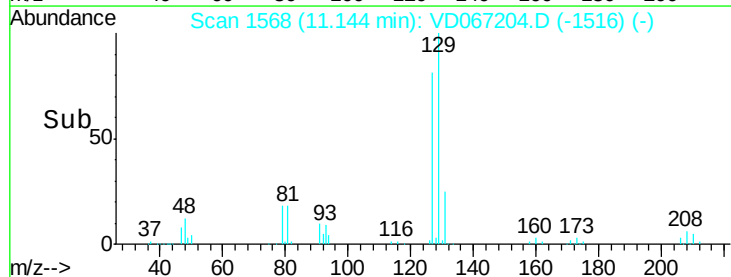
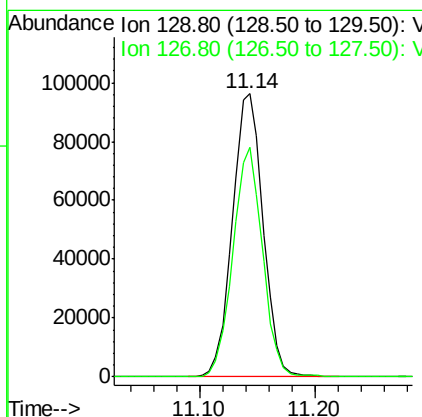
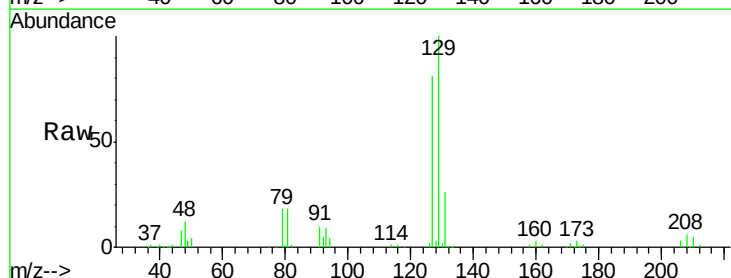
Manual Integrations
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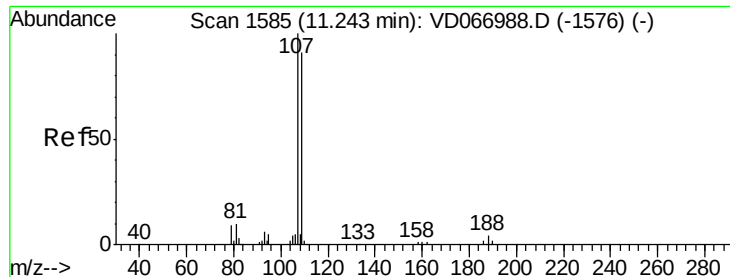
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#60
Dibromochloromethane
Concen: 53.901 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Tgt Ion: 129 Resp: 177023
Ion Ratio Lower Upper
129 100
127 78.5 37.4 112.1





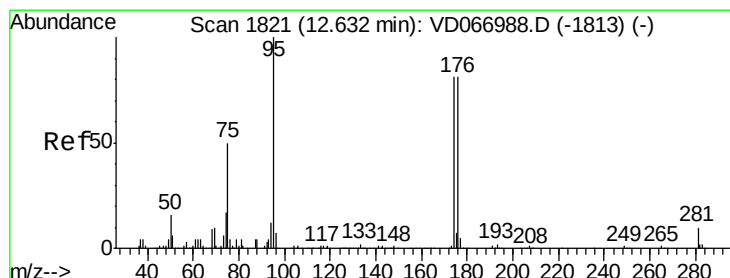
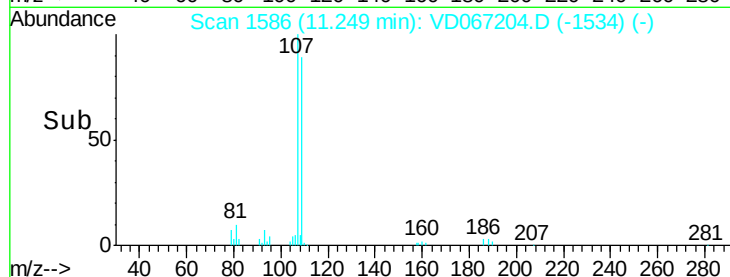
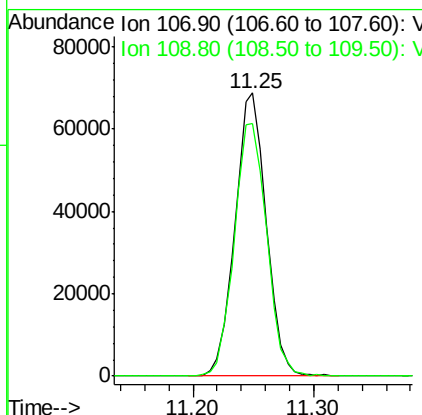
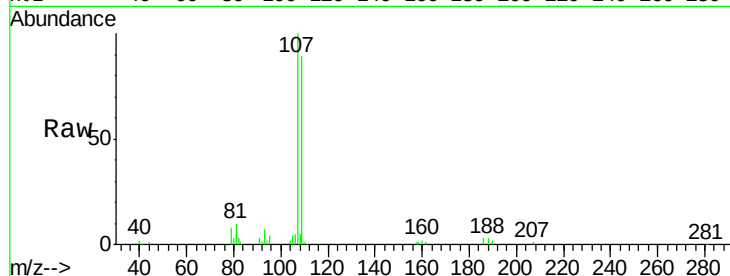
#61
 1,2-Dibromoethane
 Concen: 52.300 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD067204.D
 Acq: 09 Oct 2020 11:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	123812		
109	93.1	74.0	111.0	

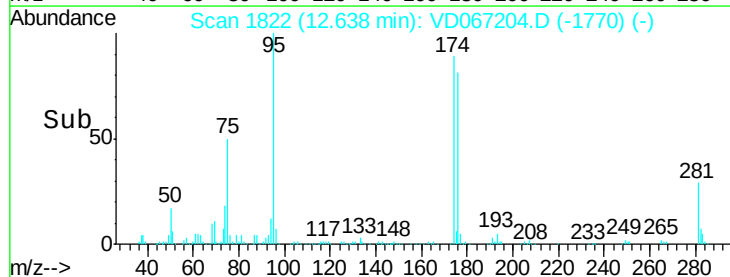
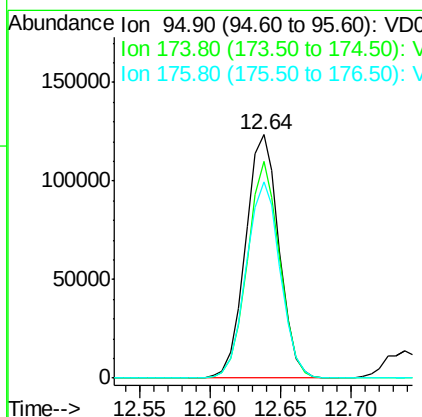
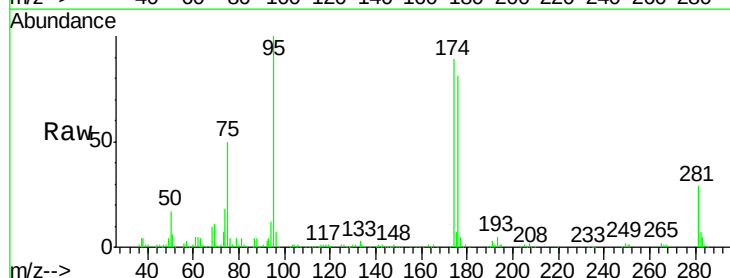
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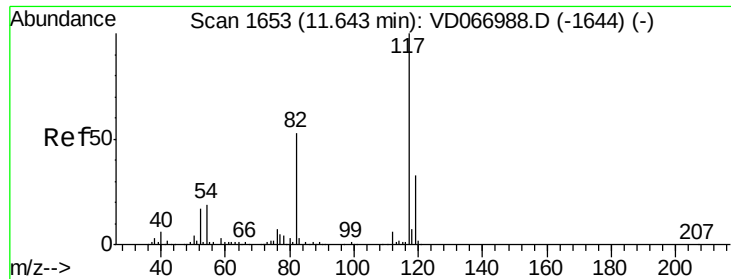
apatel
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#62
 4-Bromofluorobenzene
 Concen: 50.056 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD067204.D
 Acq: 09 Oct 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	205496		
174	85.9	0.0	167.6	
176	81.7	0.0	162.4	





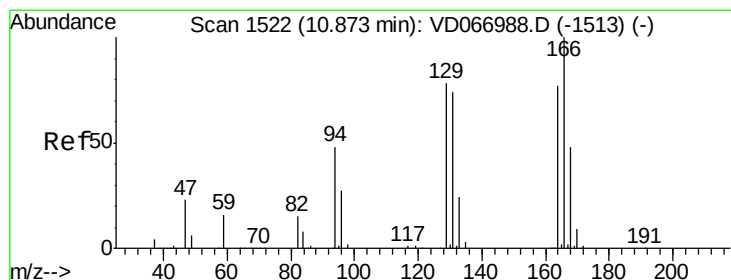
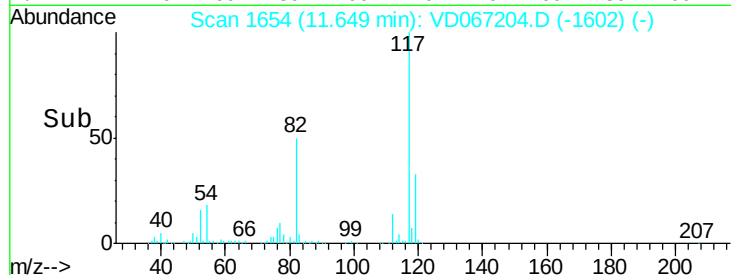
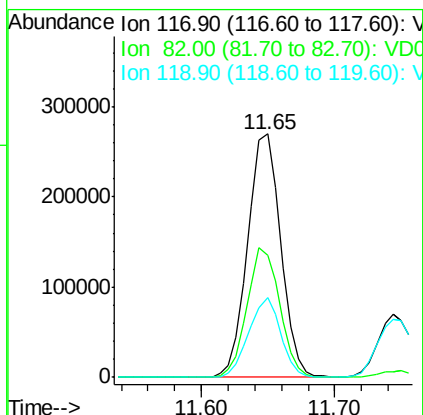
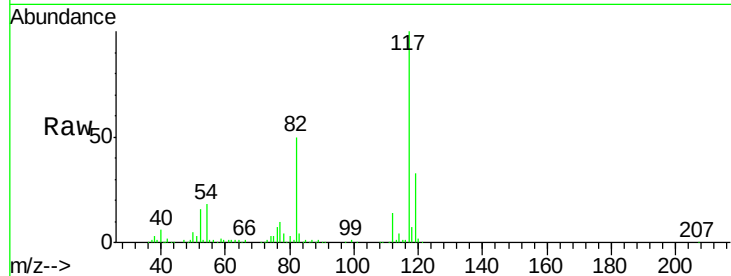
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.2	42.6	63.8
119	32.8	26.3	39.5

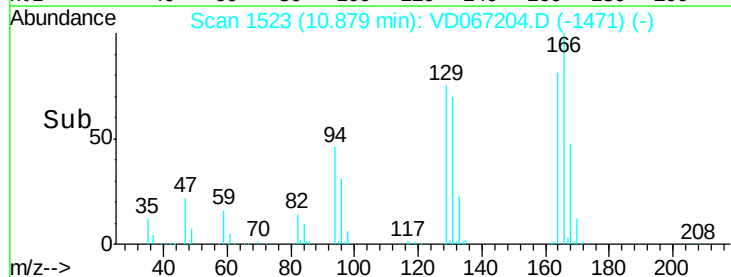
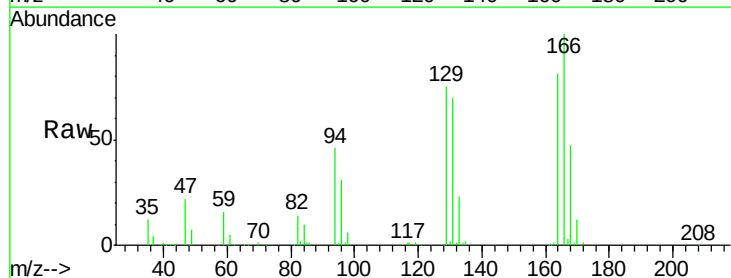
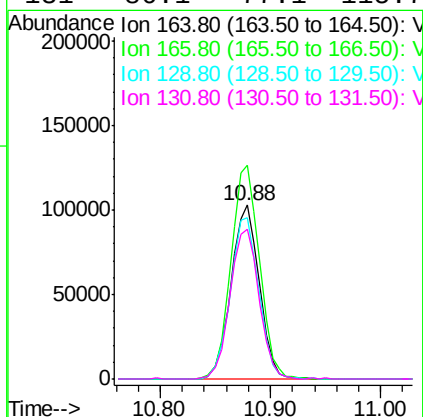
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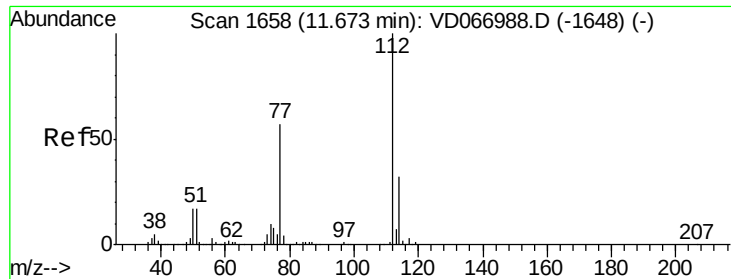
apatel
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#64
Tetrachloroethene
Concen: 55.024 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.7	104.4	156.6
129	92.5	81.3	121.9
131	86.1	77.1	115.7





#65

Chlorobenzene

Concen: 52.795 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067204.D

Acq: 09 Oct 2020 11:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 485146

Ion Ratio Lower Upper

112 100

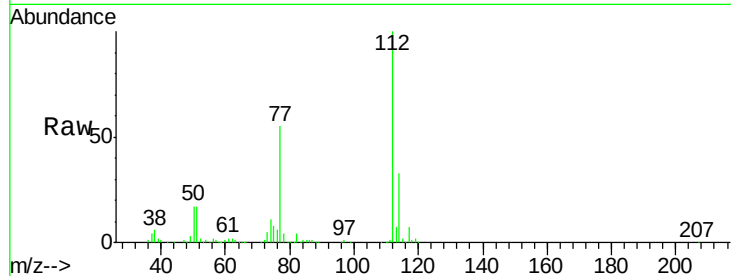
114 33.0 25.4 38.0

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

300000

250000

200000

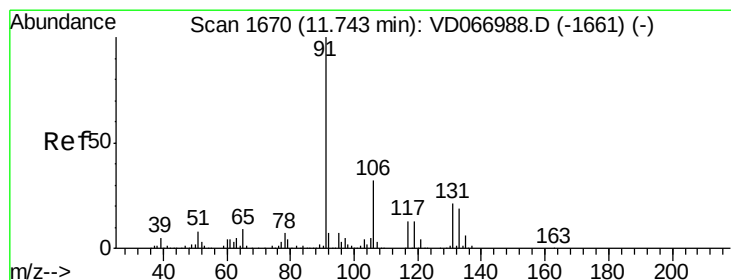
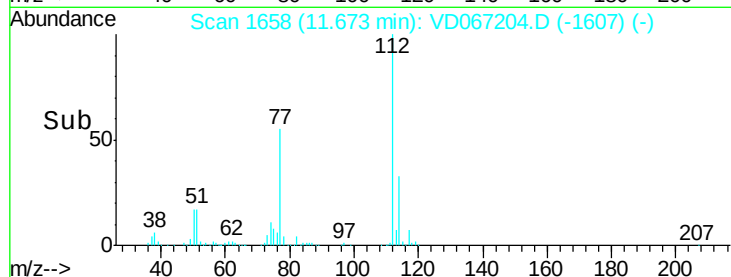
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 53.720 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD067204.D

Acq: 09 Oct 2020 11:06

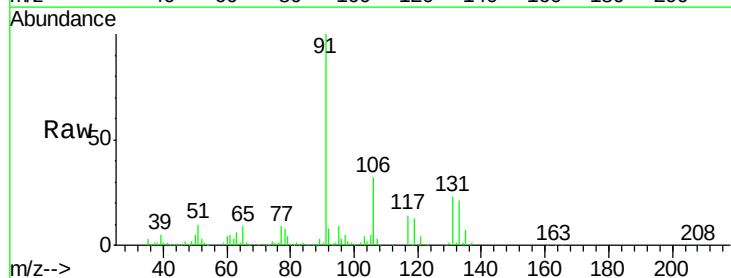
Tgt Ion:131 Resp: 187776

Ion Ratio Lower Upper

131 100

133 95.5 47.8 143.3

119 63.4 32.3 96.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.74

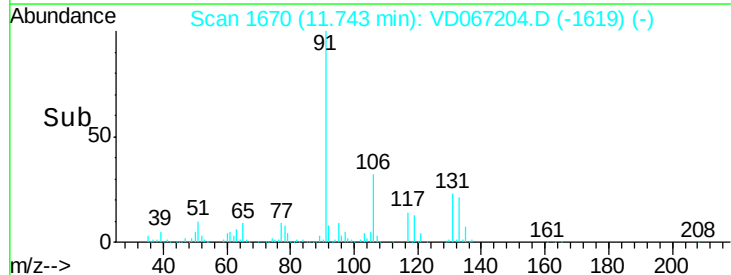
150000

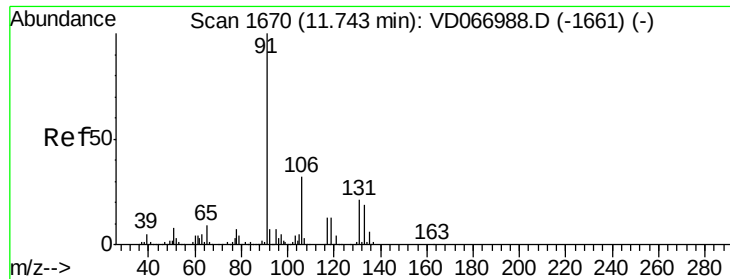
100000

50000

0

Time-->





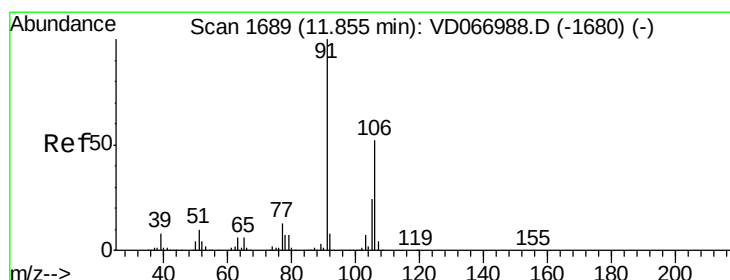
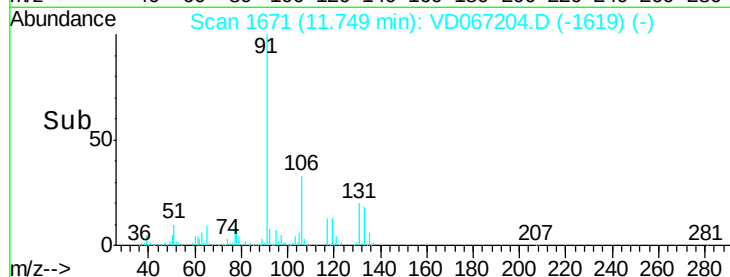
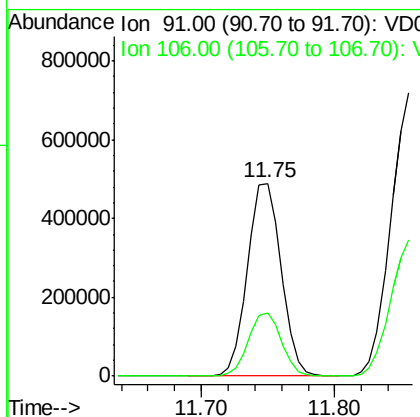
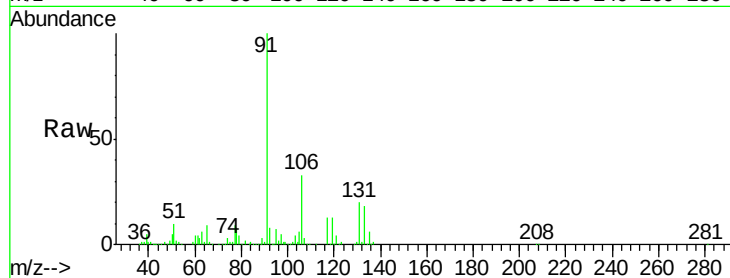
#67
Ethyl Benzene
Concen: 54.035 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 850775
Ion Ratio Lower Upper
91 100
106 33.1 25.4 38.2

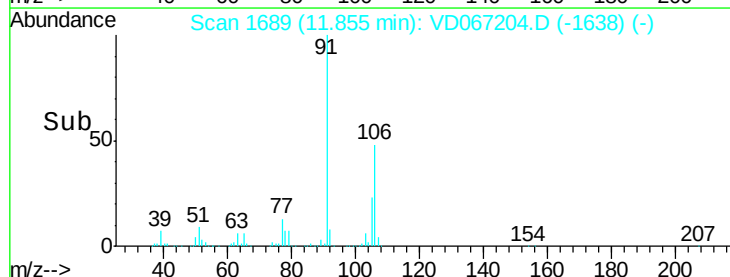
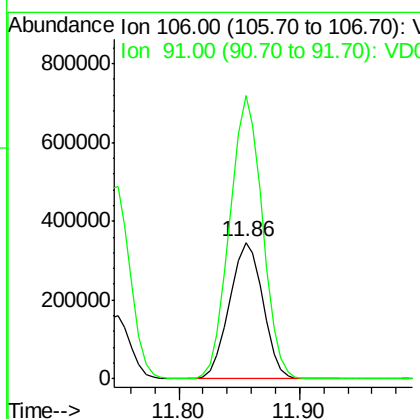
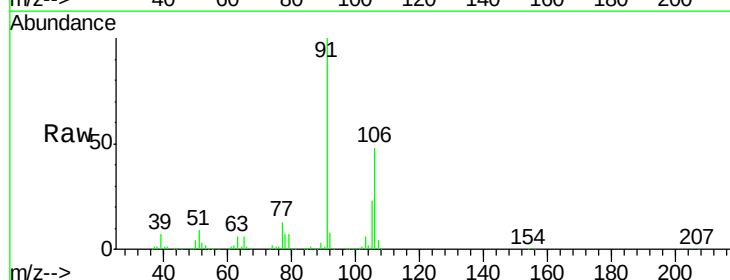
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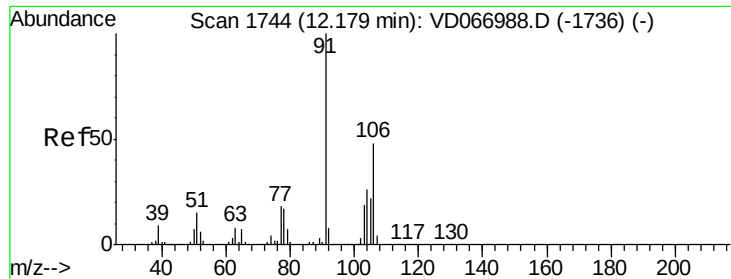
apatel
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#68
m/p-Xylenes
Concen: 108.902 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Tgt Ion: 106 Resp: 668228
Ion Ratio Lower Upper
106 100
91 202.6 158.4 237.6





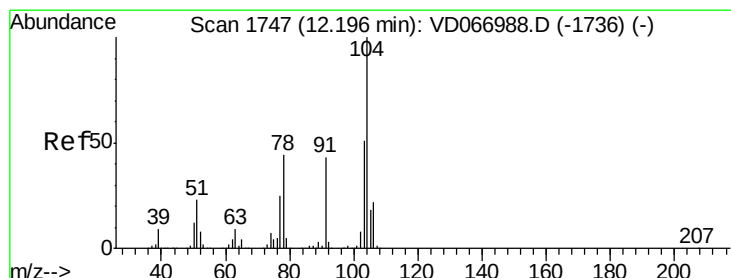
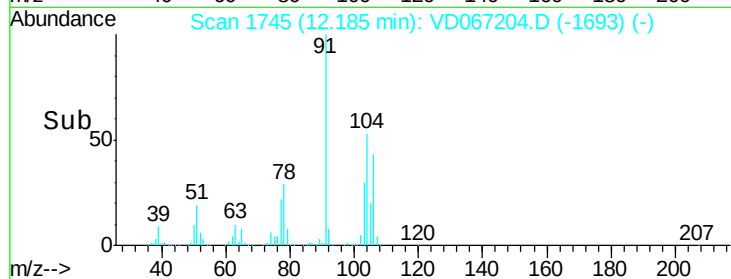
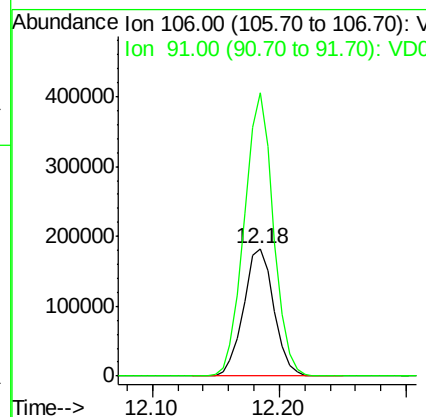
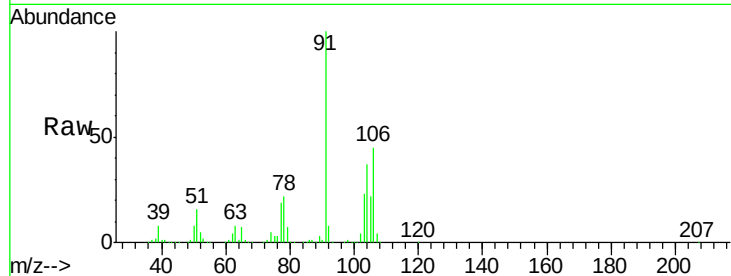
#69
o-Xylene
Concen: 55.027 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	301945		
91	91	213.5	102.4	307.2	

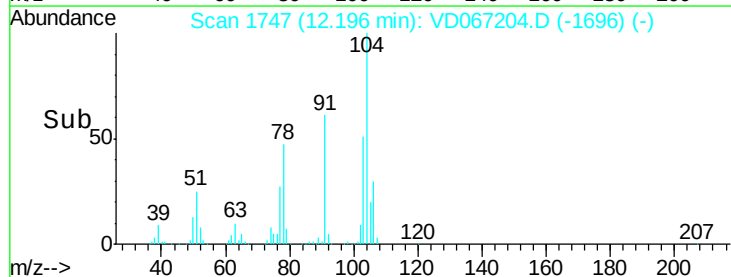
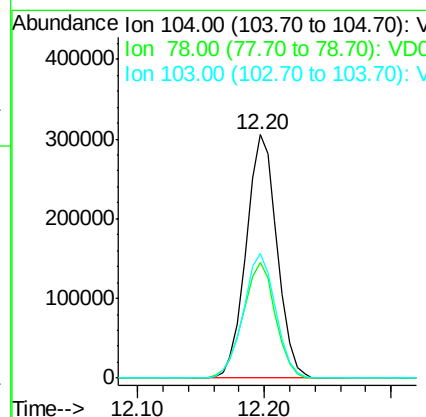
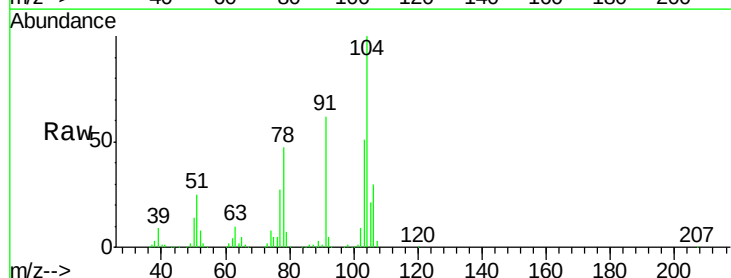
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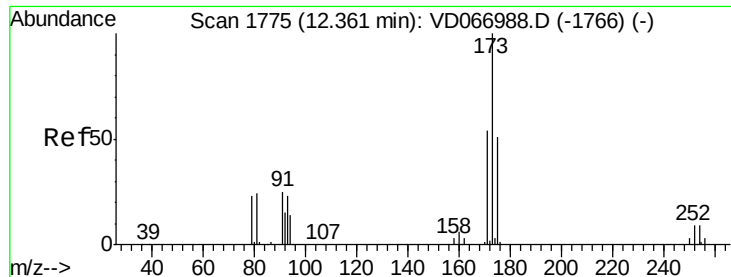
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#70
Styrene
Concen: 54.776 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	516117		
78	78	50.0	38.6	58.0	
103	103	53.6	43.4	65.0	





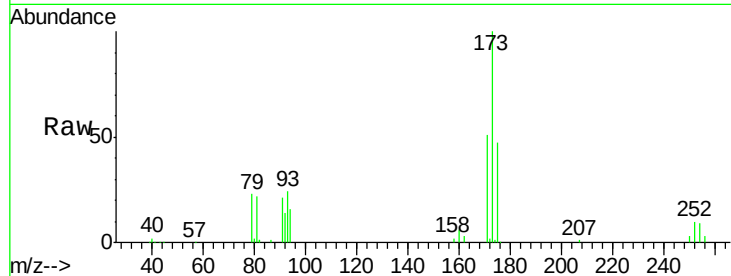
#71
Bromoform
Concen: 54.177 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

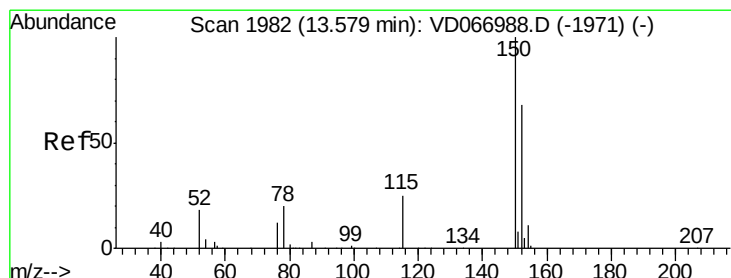
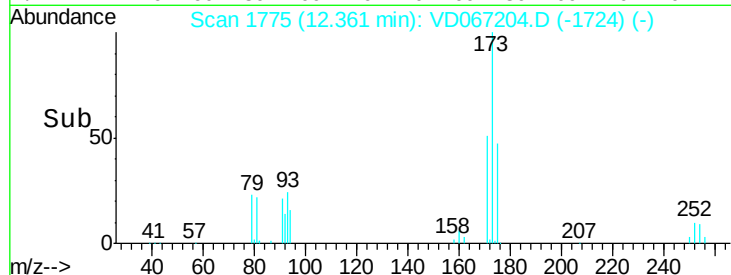
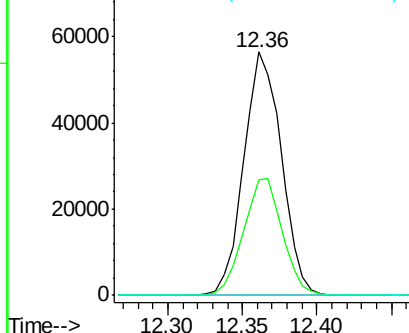
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.9	74.7
254	0.0	0.2	0.4

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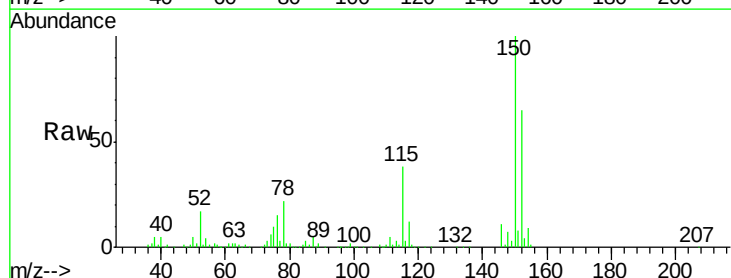


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

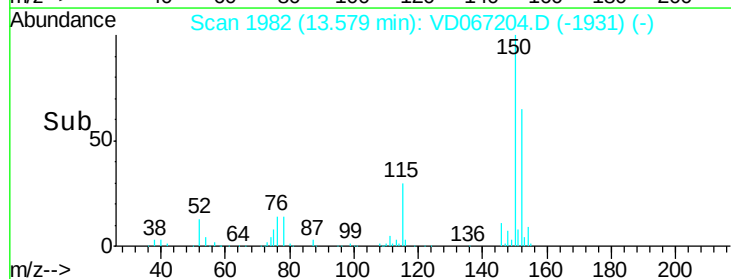
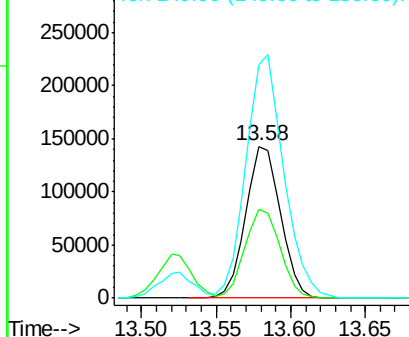


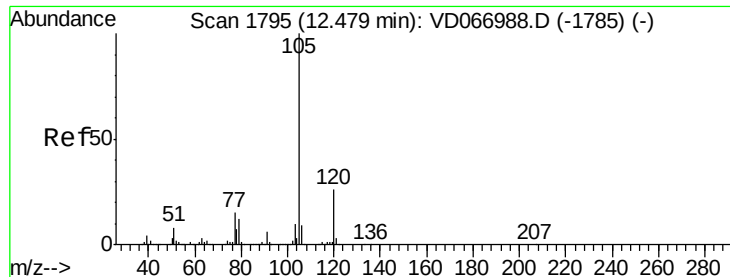
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.6	88.8
150	173.9	0.0	344.8



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: 55.345 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD067204.D

Acq: 09 Oct 2020 11:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 868467

Ion Ratio Lower Upper

105 100

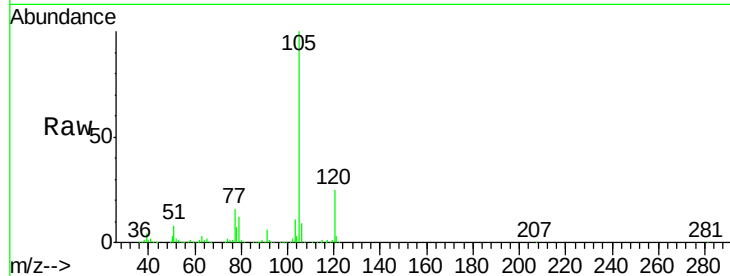
120 26.2 13.3 39.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

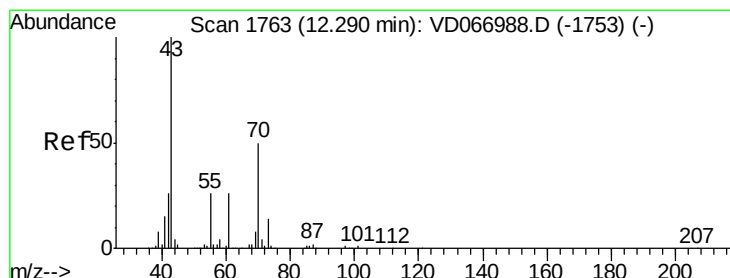
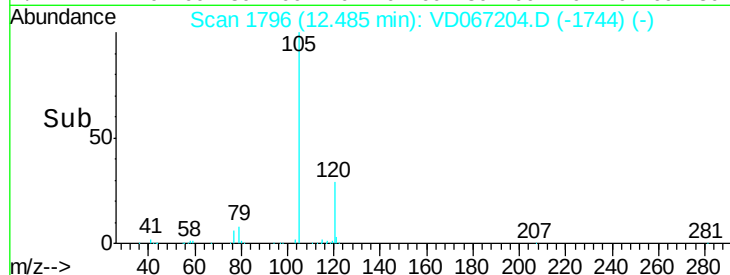
100000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 44.648 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067204.D

Acq: 09 Oct 2020 11:06

Tgt Ion: 43 Resp: 125947

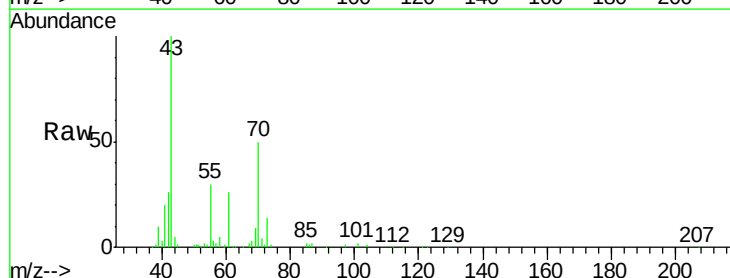
Ion Ratio Lower Upper

43 100

70 51.8 38.2 57.2

55 29.2 22.4 33.6

61 27.2 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

120000

100000

80000

60000

40000

20000

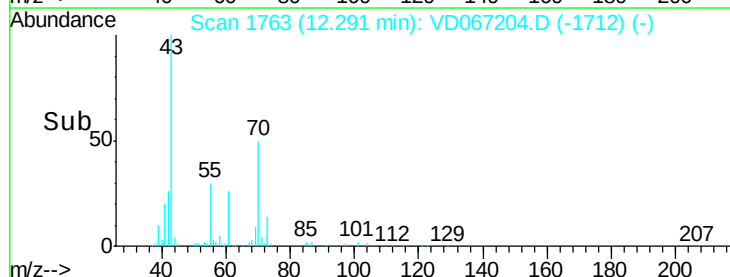
0

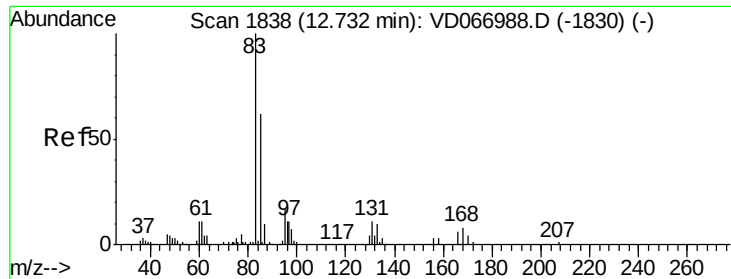
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 45.360 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067204.D

Acq: 09 Oct 2020 11:06

Instrument :

MSVOA_D

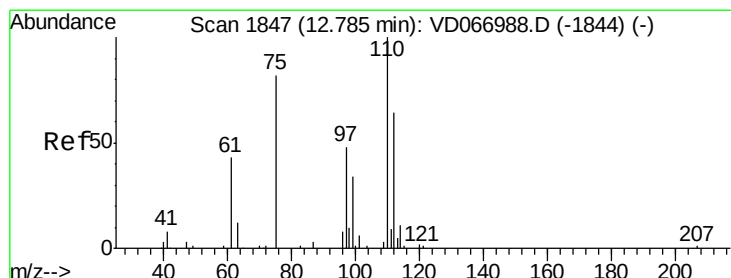
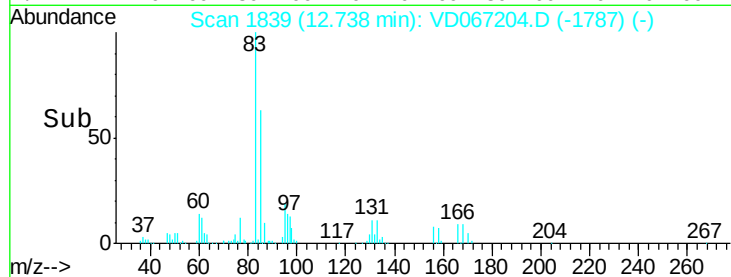
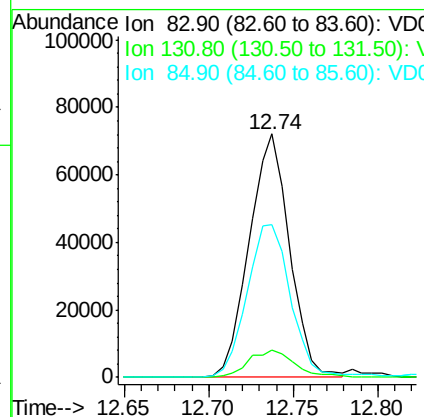
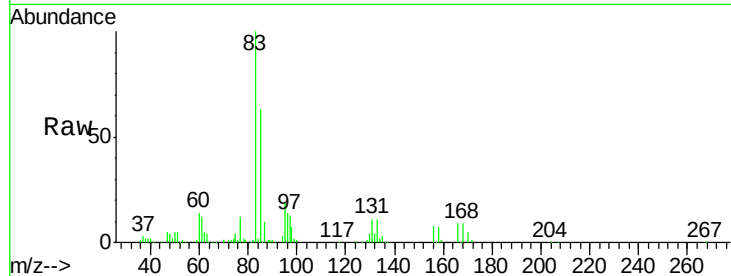
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	119927
Ion Ratio	Lower	Upper	
83	100		
131	12.6	5.7	17.0
85	68.7	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 44.956 ug/l m

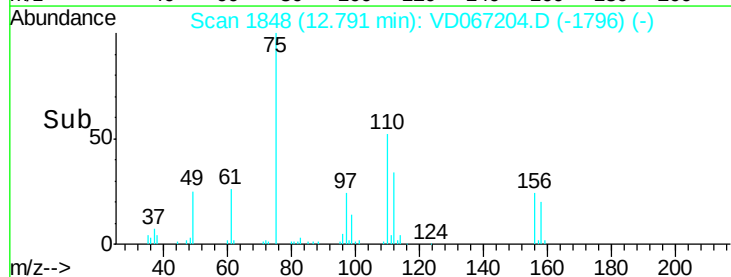
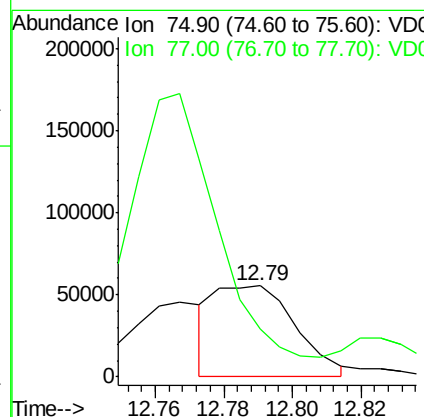
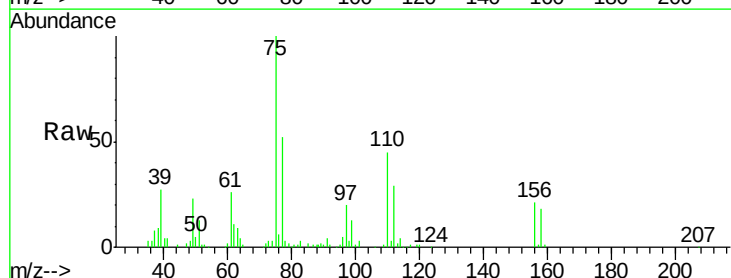
RT: 12.79 min Scan# 1848

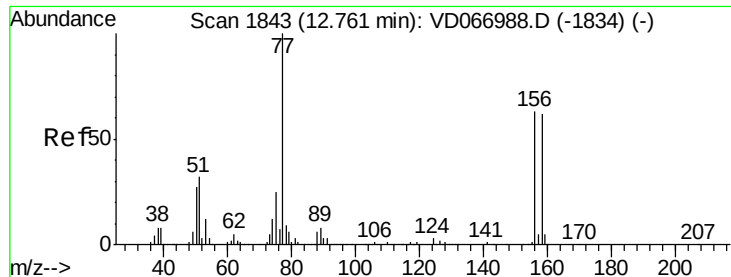
Delta R.T. 0.01 min

Lab File: VD067204.D

Acq: 09 Oct 2020 11:06

Tgt Ion:	75	Resp:	90494
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.708 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067204.D

Acq: 09 Oct 2020 11:06

Instrument :

MSVOA_D

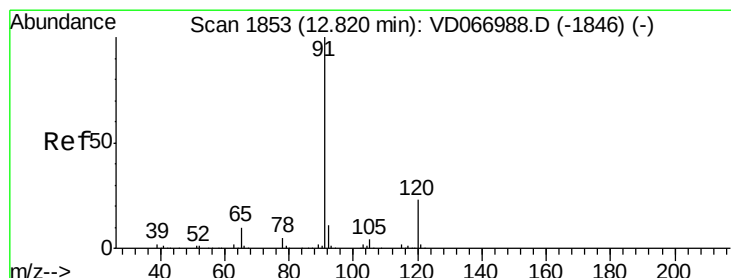
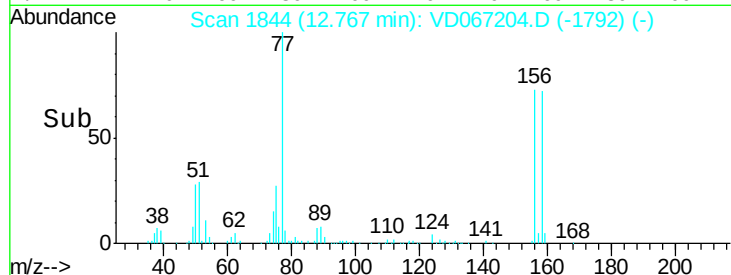
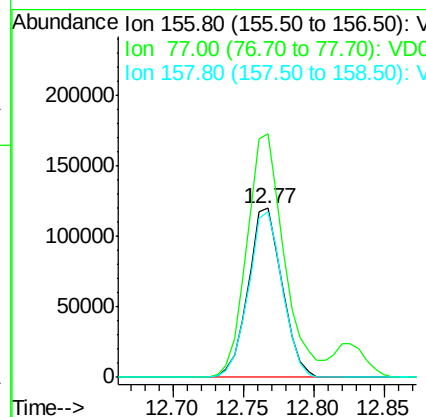
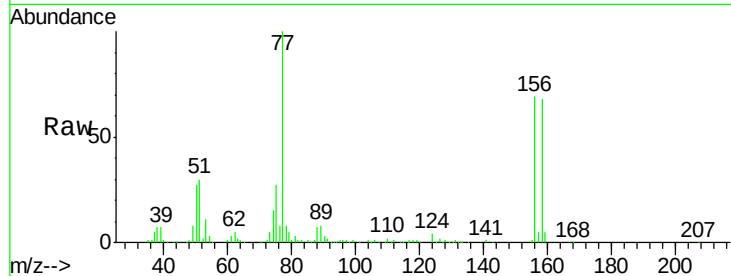
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	158.2	86.3	258.8
158	96.8	49.5	148.3

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#78

n-propylbenzene

Concen: 54.233 ug/l

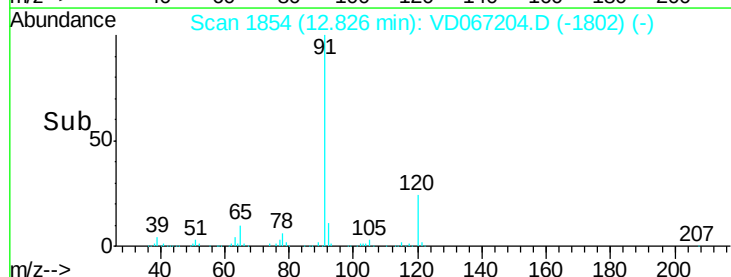
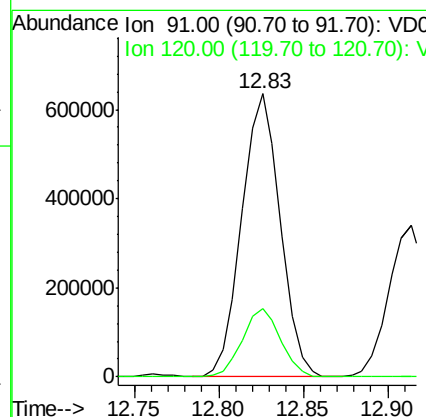
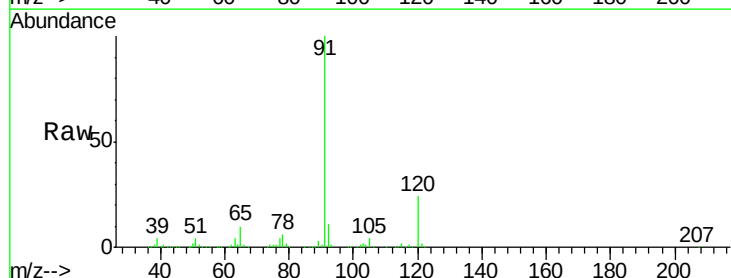
RT: 12.83 min Scan# 1854

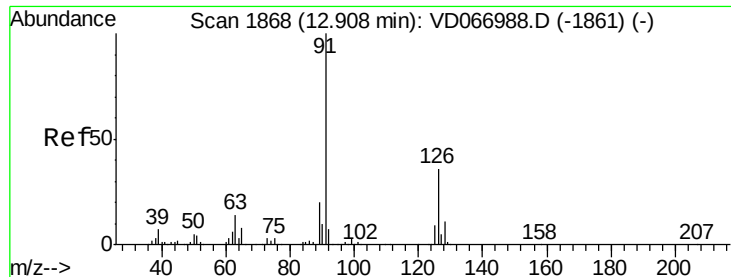
Delta R.T. 0.01 min

Lab File: VD067204.D

Acq: 09 Oct 2020 11:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	11.6	34.8





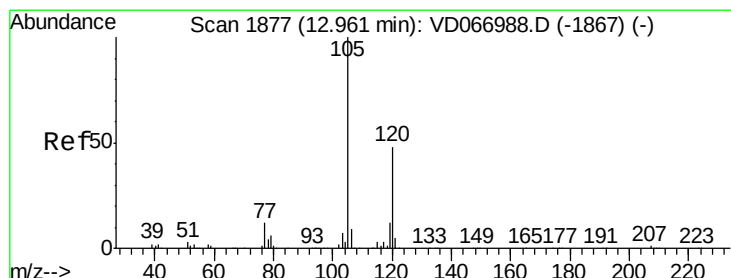
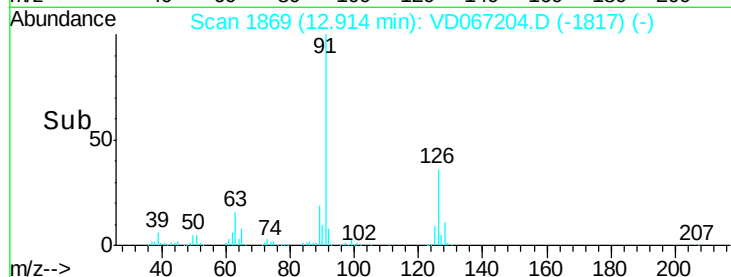
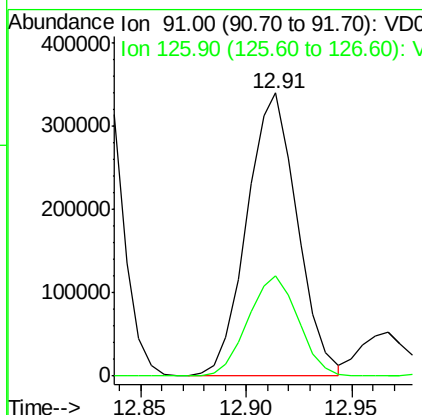
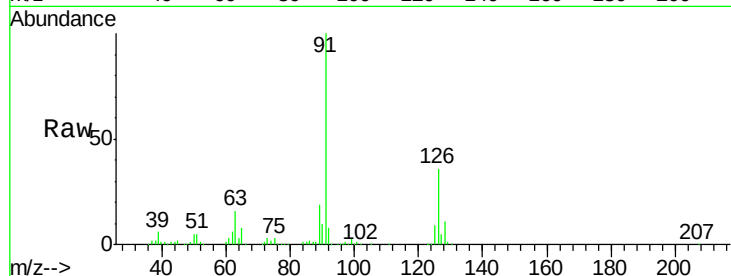
#79
2-Chlorotoluene
Concen: 52.902 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 561313
Ion Ratio Lower Upper
91 100
126 35.5 17.5 52.6

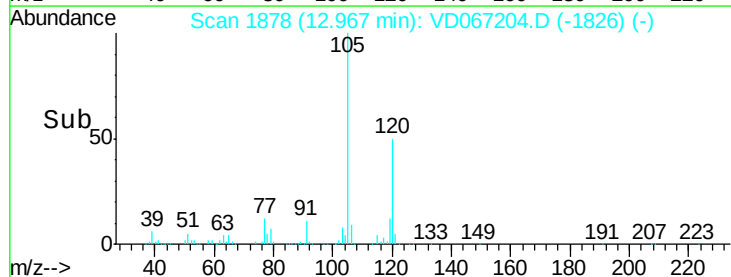
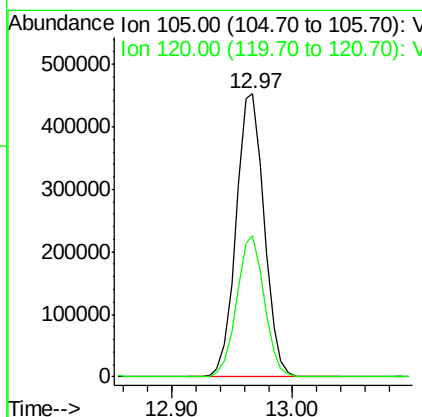
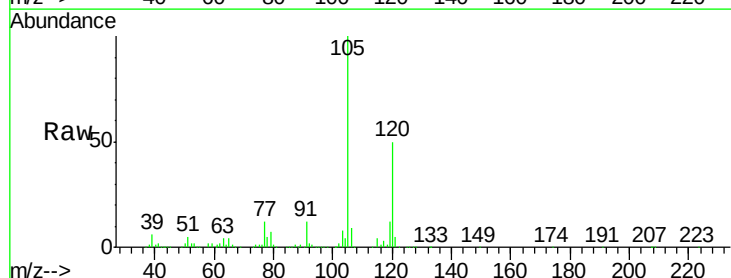
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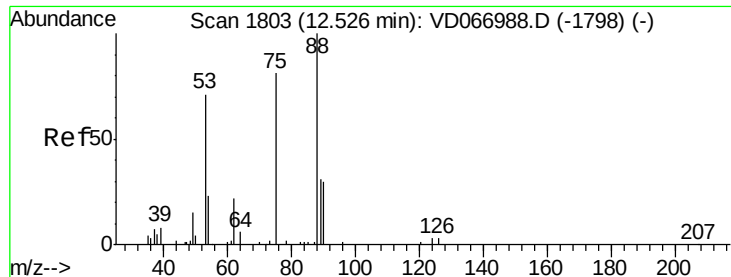
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#80
1,3,5-Trimethylbenzene
Concen: 55.328 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Tgt Ion: 105 Resp: 733535
Ion Ratio Lower Upper
105 100
120 49.0 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 50.230 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067204.D

Acq: 09 Oct 2020 11:06

Instrument :

MSVOA_D

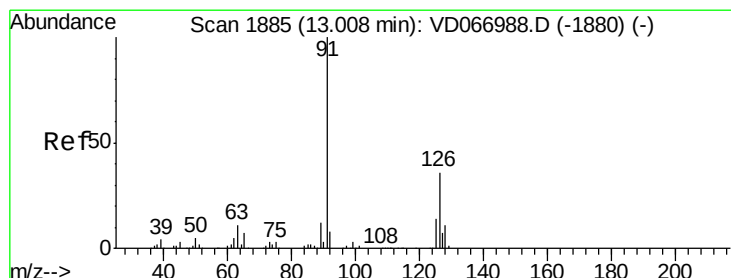
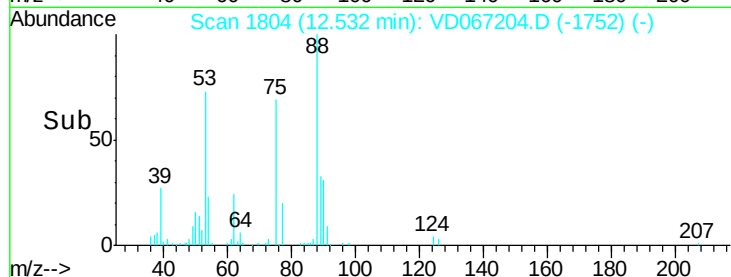
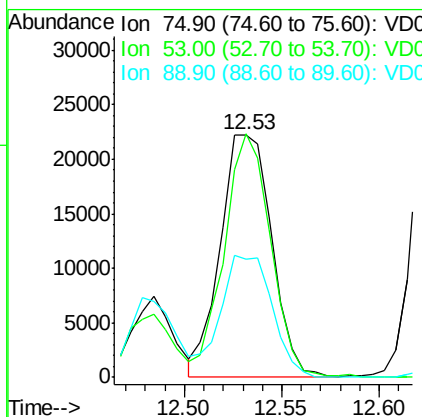
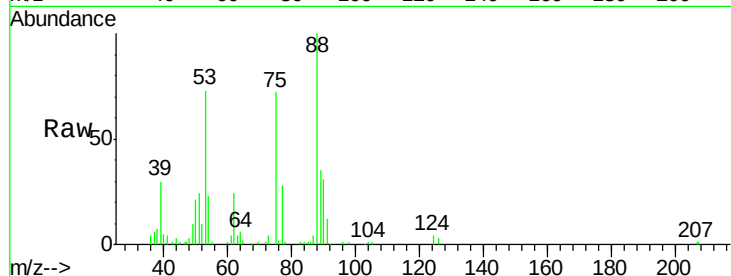
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	40556
Ion	Ratio	Lower	Upper
75	100		
53	91.1	73.8	110.6
89	50.8	38.9	58.3

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#82

4-Chlorotoluene

Concen: 52.852 ug/l

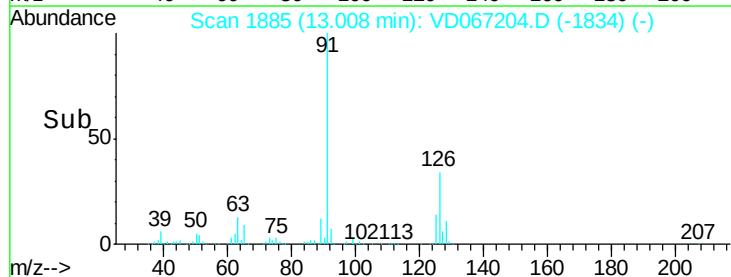
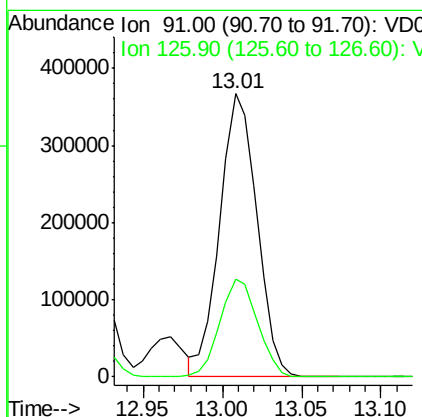
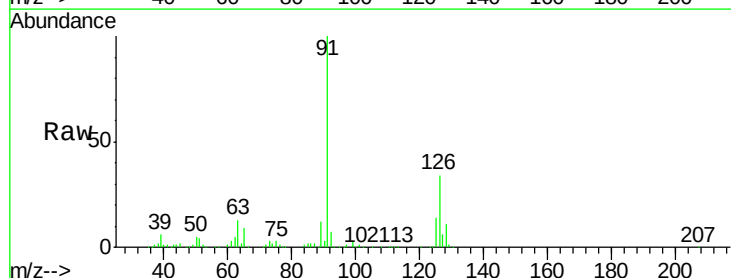
RT: 13.01 min Scan# 1885

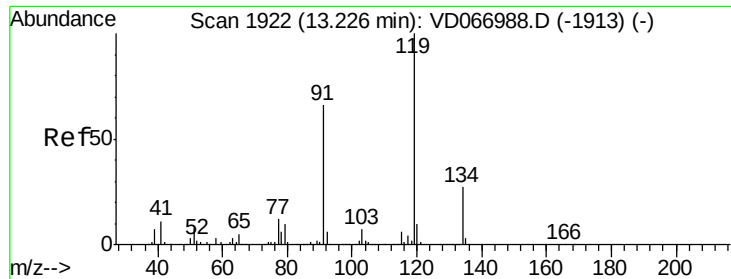
Delta R.T. 0.00 min

Lab File: VD067204.D

Acq: 09 Oct 2020 11:06

Tgt Ion:	91	Resp:	596649
Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.5	52.5





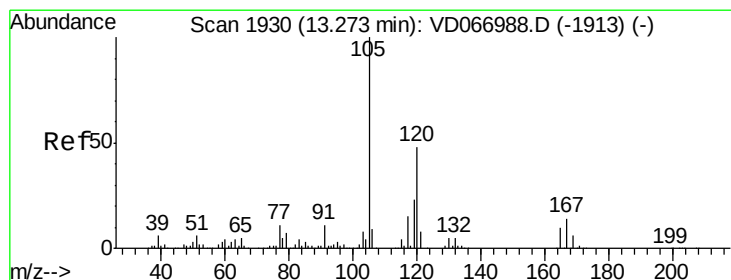
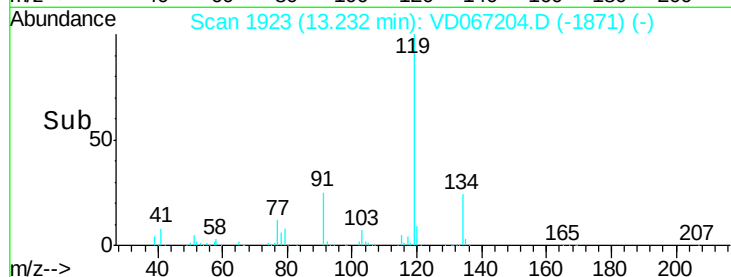
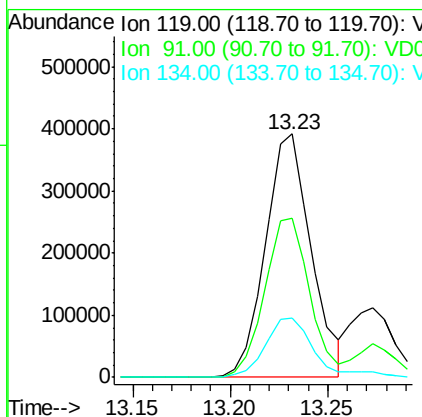
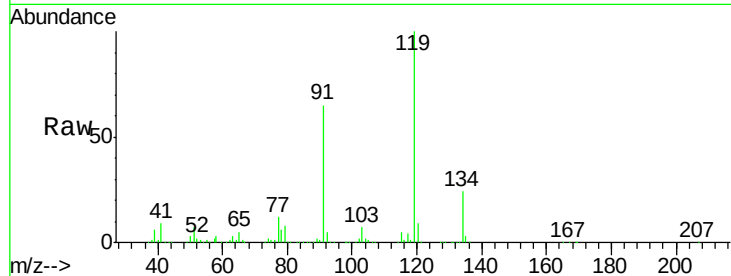
#83
 tert-Butylbenzene
 Concen: 57.093 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD067204.D
 Acq: 09 Oct 2020 11:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.8	98.3
134	26.3	13.9	41.7

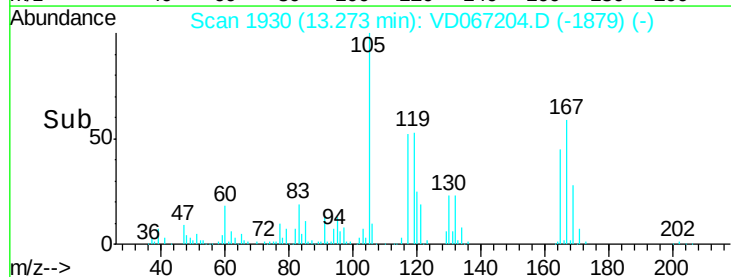
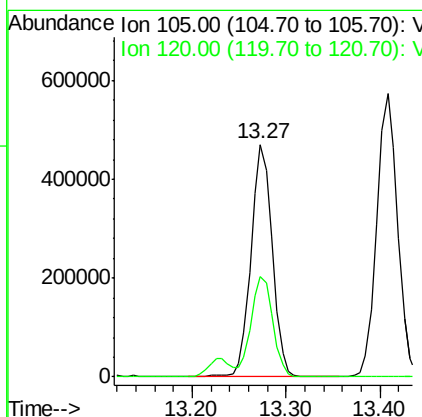
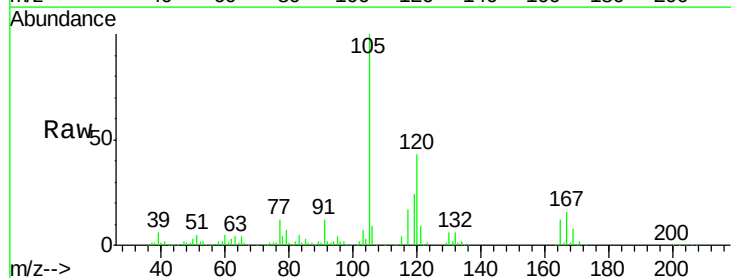
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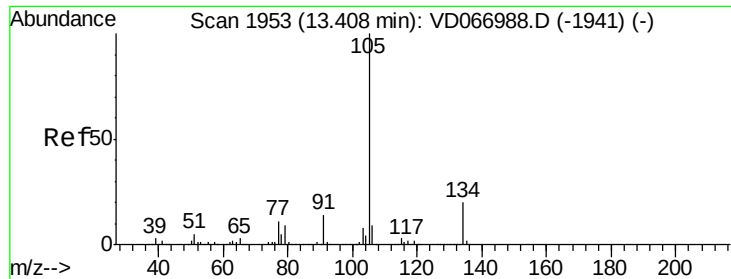
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.625 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067204.D
 Acq: 09 Oct 2020 11:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	23.3	69.8





#85

sec-Butylbenzene

Concen: 55.810 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067204.D

Acq: 09 Oct 2020 11:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 877462

Ion Ratio Lower Upper

105 100

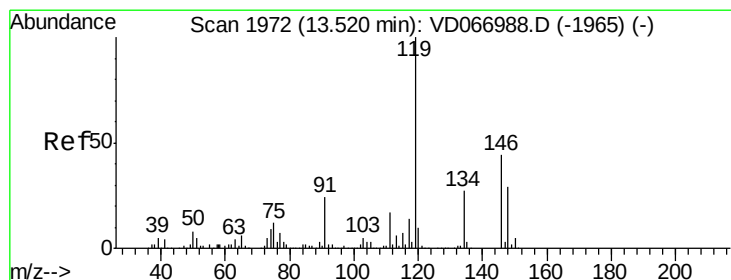
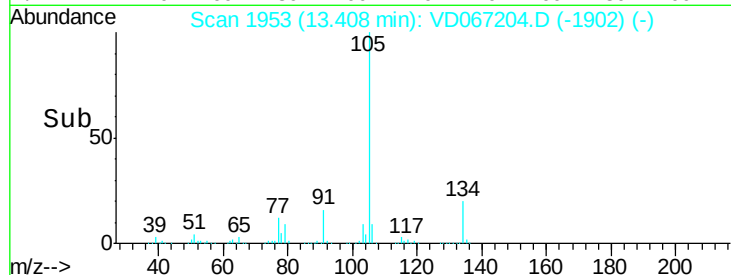
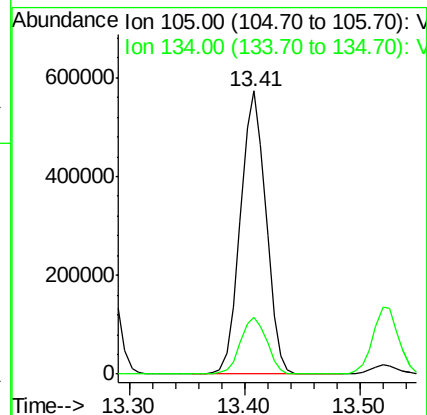
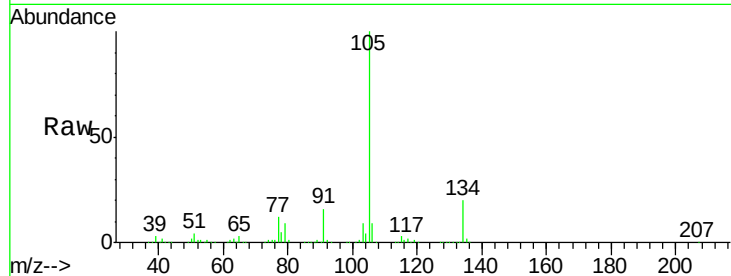
134 20.6 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 55.339 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067204.D

Acq: 09 Oct 2020 11:06

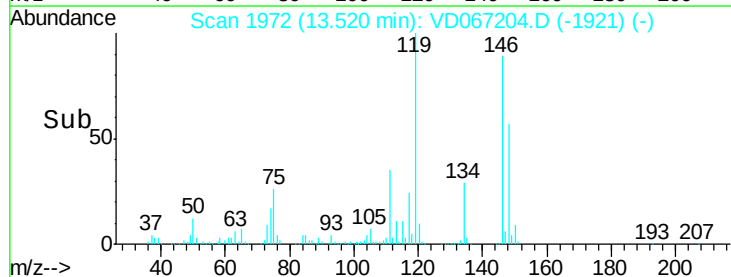
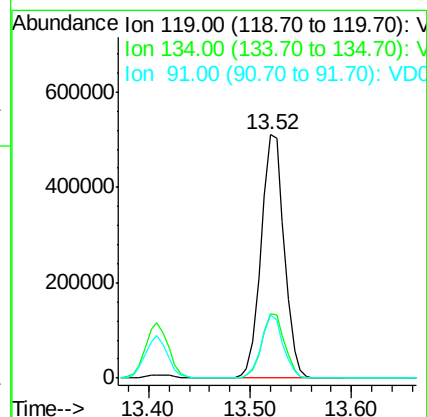
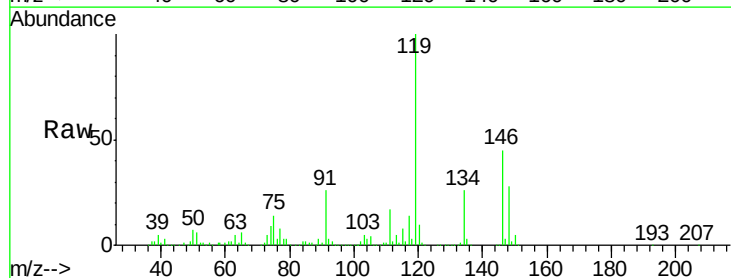
Tgt Ion:119 Resp: 806641

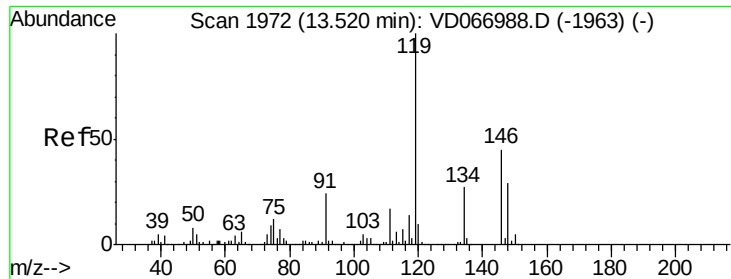
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.1

91 24.1 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 52.071 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067204.D

Acq: 09 Oct 2020 11:06

Instrument :

MSVOA_D

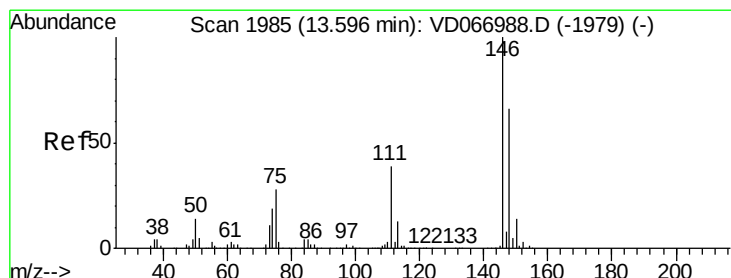
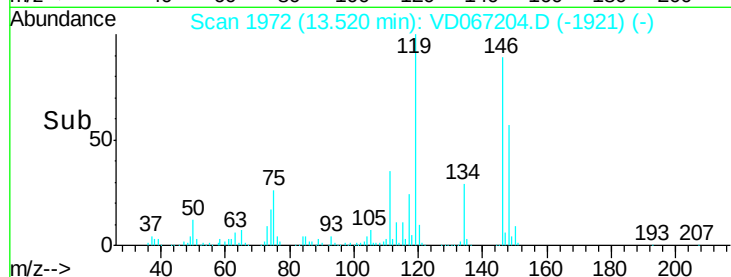
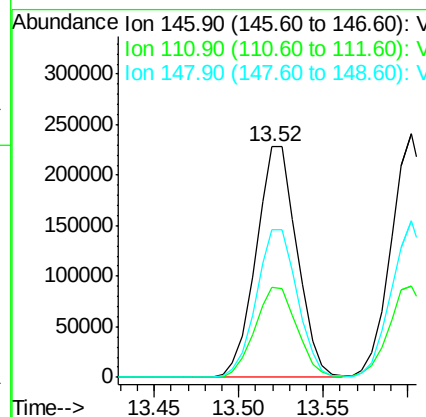
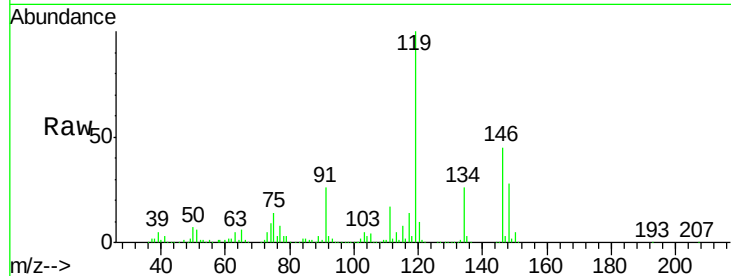
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	384305
Ion Ratio	Lower	Upper	
146	100		
111	39.9	20.0	60.0
148	64.0	31.9	95.9

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#88

1,4-Dichlorobenzene

Concen: 51.890 ug/l

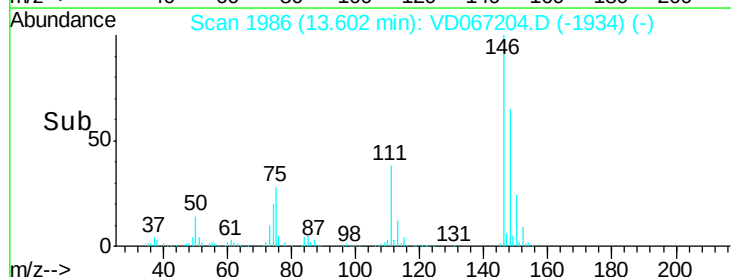
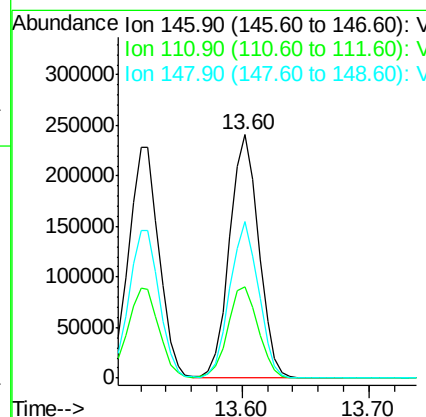
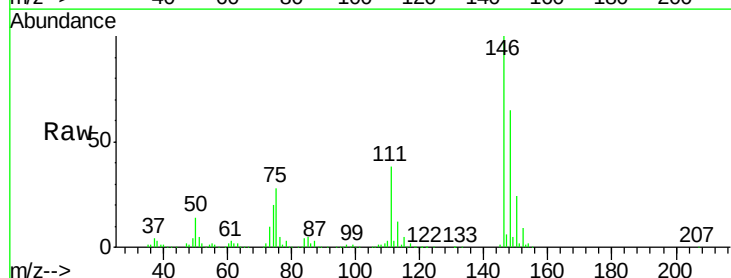
RT: 13.60 min Scan# 1986

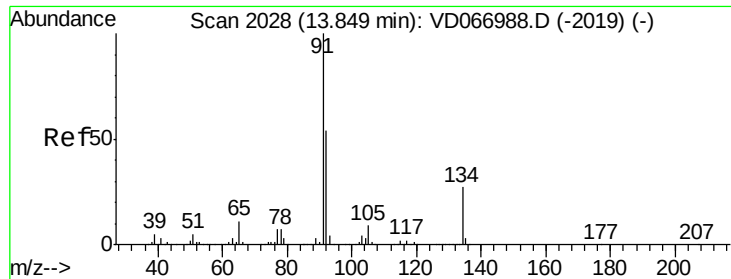
Delta R.T. 0.01 min

Lab File: VD067204.D

Acq: 09 Oct 2020 11:06

Tgt Ion:	146	Resp:	382923
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.6	58.7
148	63.5	32.6	97.7





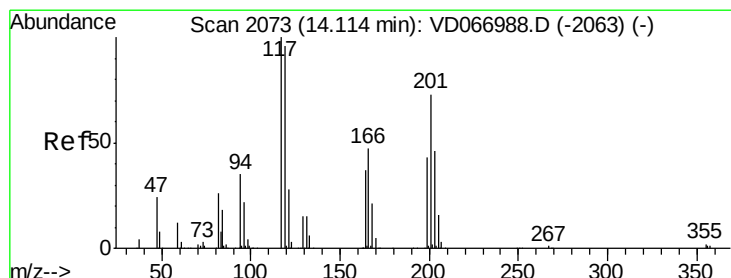
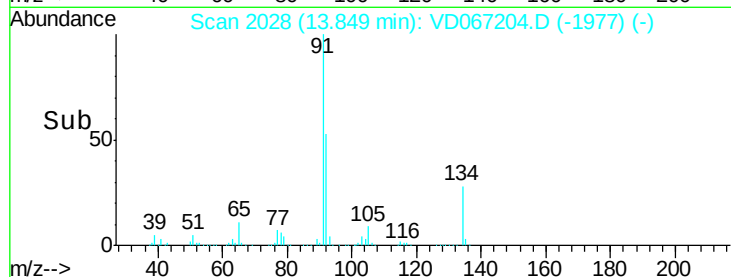
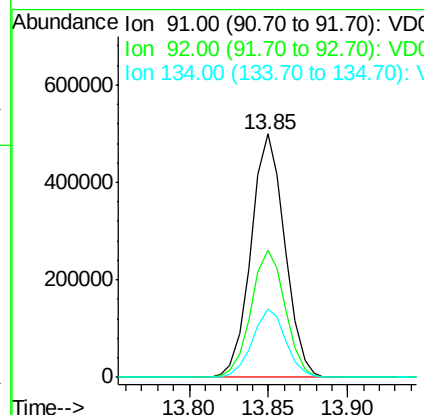
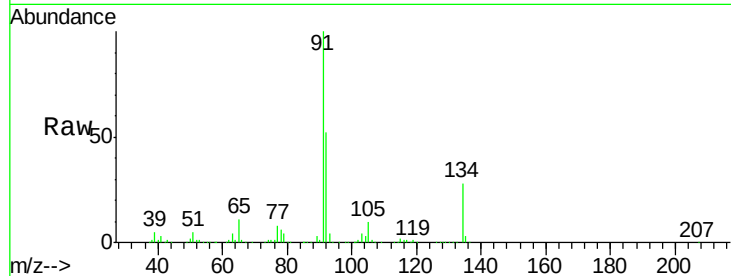
#89
n-Butylbenzene
Concen: 55.325 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	27.1	81.2
134	27.7	13.6	40.8

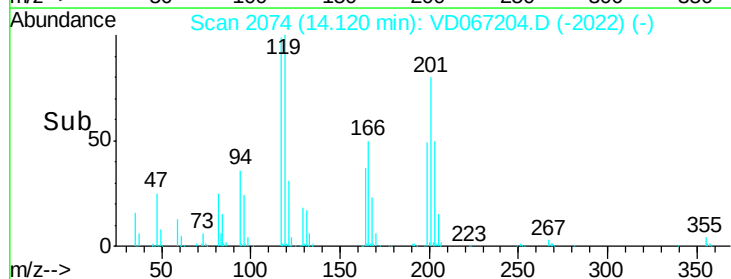
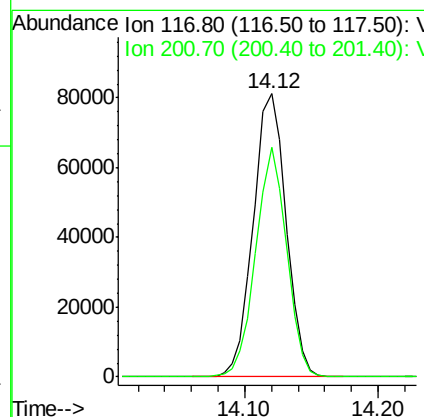
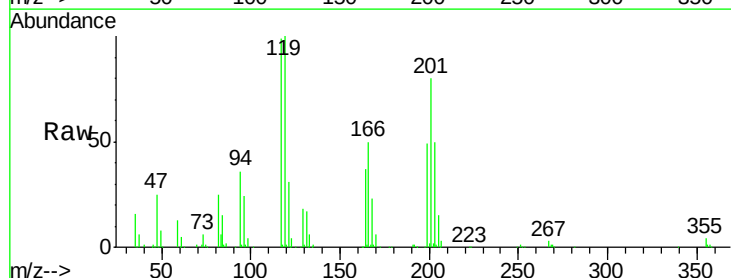
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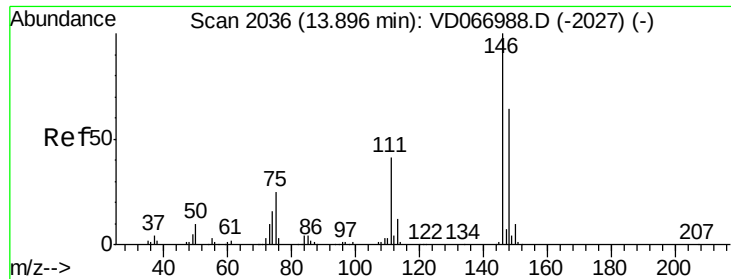
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#90
Hexachloroethane
Concen: 54.079 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.1	37.0	110.9





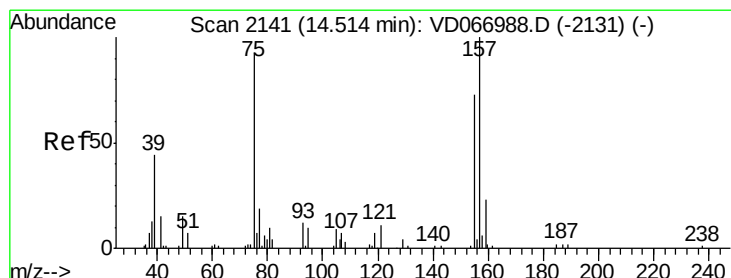
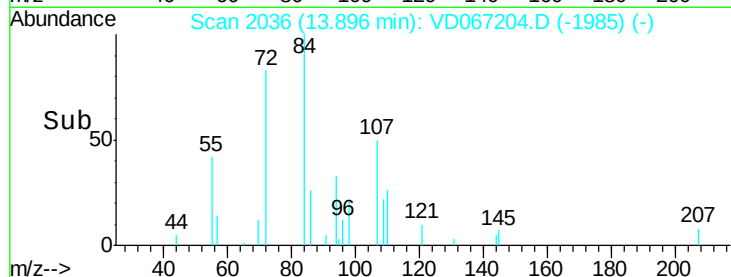
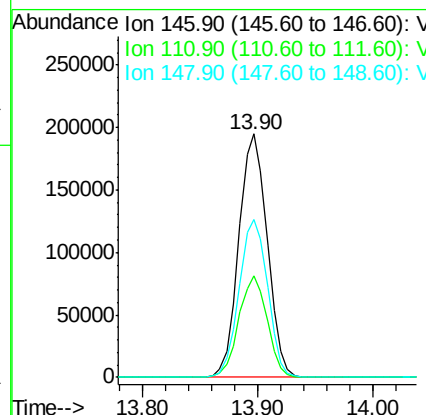
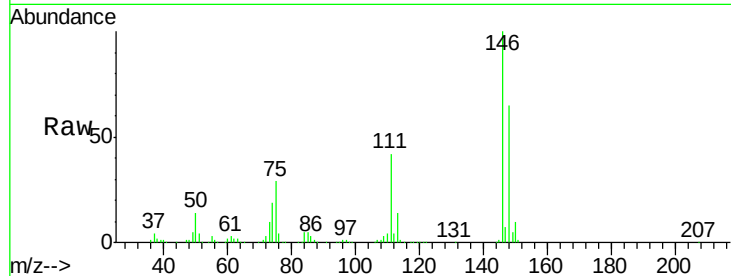
#91
 1,2-Dichlorobenzene
 Concen: 51.404 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067204.D
 Acq: 09 Oct 2020 11:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.4	20.9	62.7	
148	65.1	32.3	96.9	

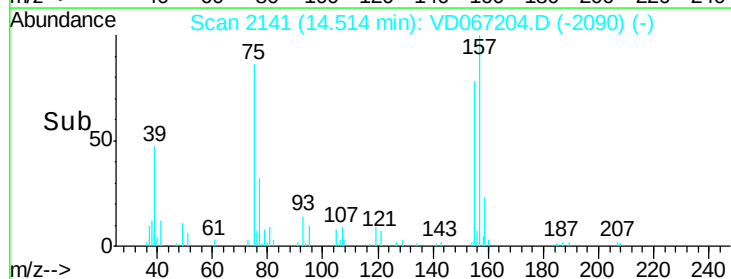
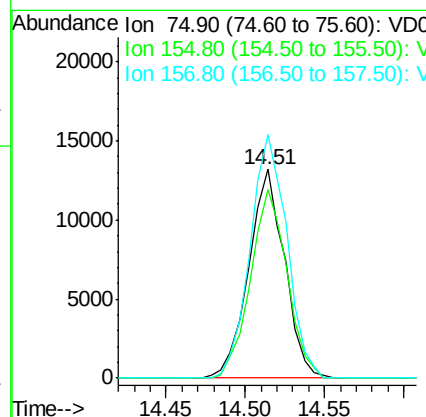
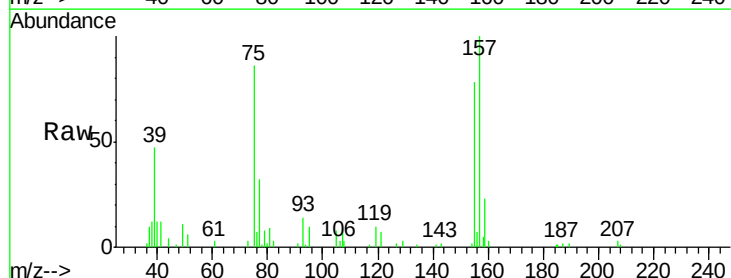
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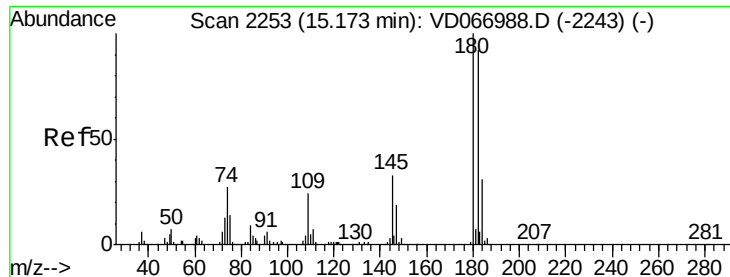
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.612 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067204.D
 Acq: 09 Oct 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	92.0	45.2	135.6	
157	119.8	56.3	168.8	





#93

1,2,4-Trichlorobenzene

Concen: 55.856 ug/l

RT: 15.17 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VD067204.D

Acq: 09 Oct 2020 11:06

Instrument :

MSVOA_D

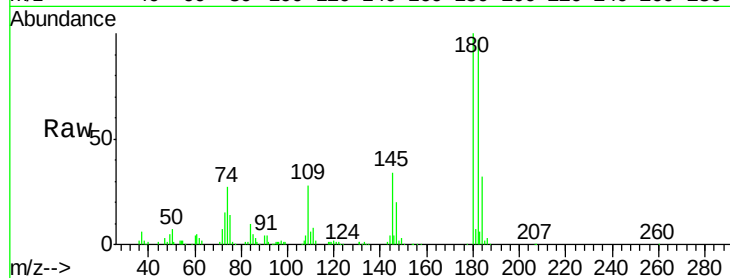
ClientSampleId :

VSTDCCC050

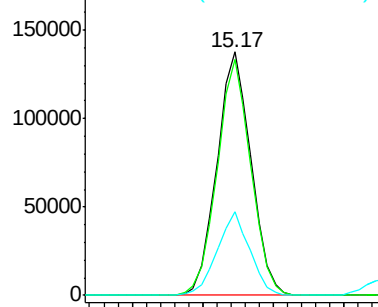
Tot Ion:	180	Resp:	232872
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.3	142.0
145	32.7	16.4	49.1

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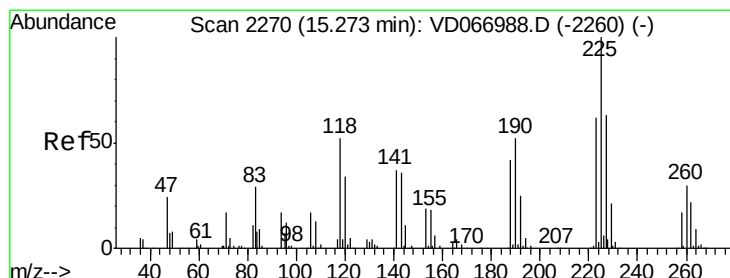
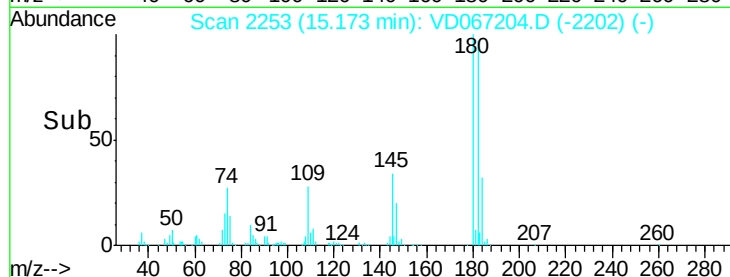
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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



Time-->



#94

Hexachlorobutadiene

Concen: 60.376 ug/l

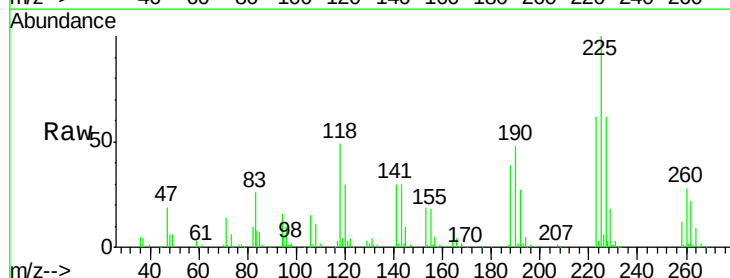
RT: 15.28 min Scan# 2271

Delta R.T. 0.01 min

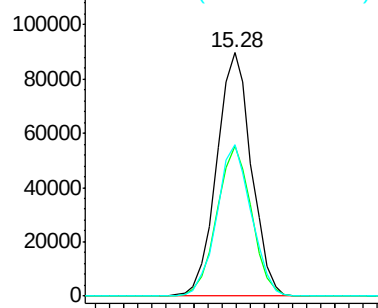
Lab File: VD067204.D

Acq: 09 Oct 2020 11:06

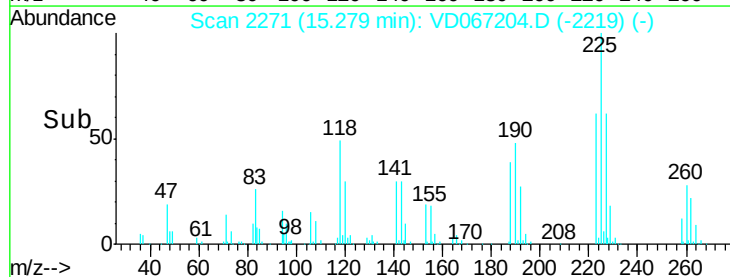
Tgt Ion:	225	Resp:	154590
Ion Ratio	Lower	Upper	
225	100		
223	61.5	32.4	97.0
227	61.7	31.6	95.0

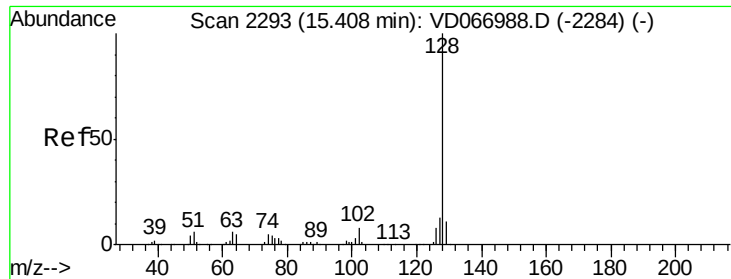


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



Time-->





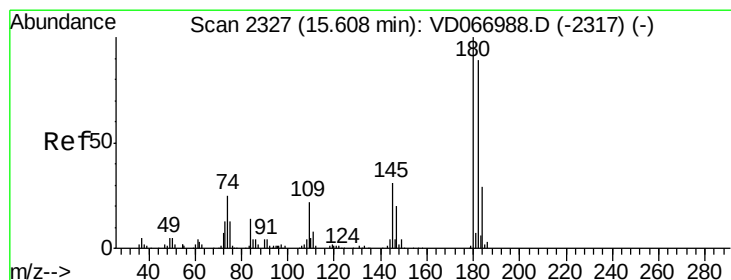
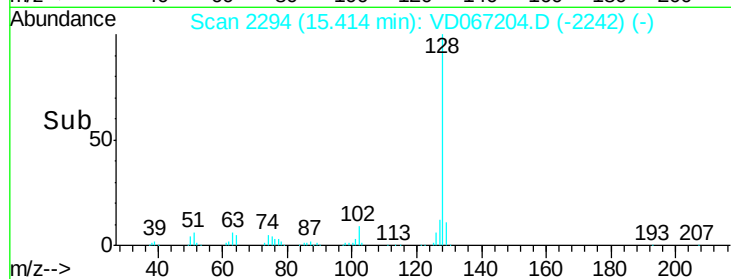
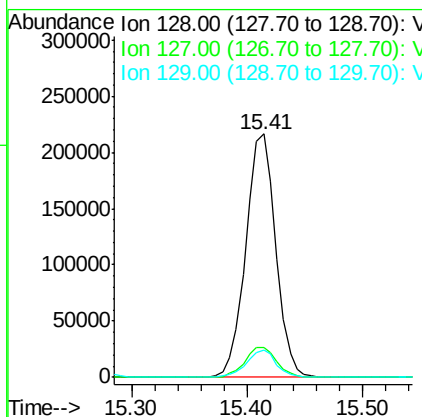
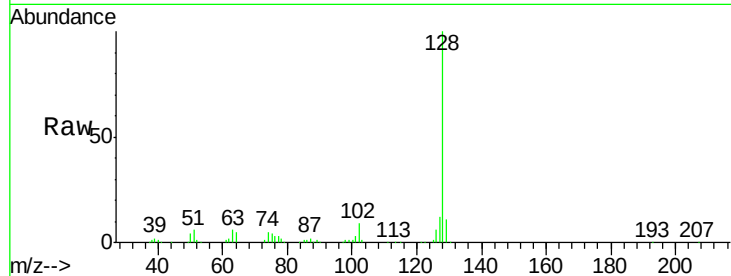
#95
Naphthalene
Concen: 56.123 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	390284		
127	13.1		10.3	15.5
129	11.3		8.6	13.0

Manual Integrations
APPROVED

apatel
10/12/2020 10:42:02 AM



#96
1,2,3-Trichlorobenzene
Concen: 55.099 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD067204.D
Acq: 09 Oct 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	199414		
182	96.1		46.4	139.1
145	34.7		16.6	49.7

