

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD067007.D
 Acq On : 01 Oct 2020 22:46
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/2/2020 3:13:36 PM

Quant Time: Oct 02 01:30:01 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	424767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	694355	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	641306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	300888	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	216599	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	
35) Dibromofluoromethane	7.91	113	236865	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
50) Toluene-d8	10.34	98	866089	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
62) 4-Bromofluorobenzene	12.63	95	287956	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	174073	51.005	ug/l	99
3) Chloromethane	2.21	50	161223	47.660	ug/l	95
4) Vinyl Chloride	2.35	62	162921	48.032	ug/l	97
5) Bromomethane	2.77	94	128117	59.415	ug/l	99
6) Chloroethane	2.93	64	101500	49.137	ug/l	98
7) Trichlorofluoromethane	3.27	101	354368	47.024	ug/l	99
8) Diethyl Ether	3.71	74	100632	53.850	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	205090	48.150	ug/l	99
10) Methyl Iodide	4.30	142	227184	54.893	ug/l	98
11) Tert butyl alcohol	5.22	59	60950	255.205	ug/l	99
12) 1,1-Dichloroethene	4.07	96	194475	48.568	ug/l	98
13) Acrolein	3.92	56	61085	222.975	ug/l	99
14) Allyl chloride	4.71	41	272191	52.327	ug/l	99
15) Acrylonitrile	5.42	53	180023	261.744	ug/l	97
16) Acetone	4.16	43	147108	235.544	ug/l	98
17) Carbon Disulfide	4.41	76	606351	49.343	ug/l	99
18) Methyl Acetate	4.72	43	89944	57.300	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	393979	53.898	ug/l	97
20) Methylene Chloride	4.97	84	271508	63.179	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	234033	51.358	ug/l	98
22) Diisopropyl ether	6.36	45	520545	54.814	ug/l	98
23) Vinyl Acetate	6.30	43	1477685	274.593	ug/l	97
24) 1,1-Dichloroethane	6.27	63	376184	51.329	ug/l	98
25) 2-Butanone	7.21	43	226510	255.810	ug/l	99
26) 2,2-Dichloropropane	7.21	77	308048	49.078	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	257774	52.966	ug/l	98
28) Bromochloromethane	7.55	49	156434	55.270	ug/l	99
29) Tetrahydrofuran	7.56	42	134808	264.780	ug/l	98
30) Chloroform	7.71	83	414069	52.082	ug/l	99
31) Cyclohexane	7.98	56	280835	45.706	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	374229	50.790	ug/l	97
36) 1,1-Dichloropropene	8.11	75	309494	47.819	ug/l	99
37) Ethyl Acetate	7.29	43	107744	48.054	ug/l	97
38) Carbon Tetrachloride	8.10	117	333324	47.599	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	327792	47.904	ug/l	99
40) Benzene	8.35	78	893503	49.703	ug/l	99
41) Methacrylonitrile	7.53	41	62339	51.465	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	245178	48.808	ug/l	99
43) Isopropyl Acetate	8.45	43	203048	49.158	ug/l	97
44) Trichloroethene	9.11	130	262673	48.933	ug/l	97
45) 1,2-Dichloropropane	9.38	63	219153	51.885	ug/l	97
46) Dibromomethane	9.47	93	124123	51.129	ug/l	98
47) Bromodichloromethane	9.66	83	319391	50.612	ug/l #	94
48) Methyl methacrylate	9.45	41	99683	47.107	ug/l #	84
49) 1,4-Dioxane	9.46	88	23242	917.312	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	522805	254.111	ug/l	100
52) Toluene	10.40	92	588681	50.835	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	283939	50.344	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	346186	50.266	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	164718	48.803	ug/l	92
56) Ethyl methacrylate	10.66	69	188713	54.155	ug/l	100
57) 1,3-Dichloropropane	10.94	76	285061	52.083	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	535316	276.005	ug/l	98
59) 2-Hexanone	10.98	43	352490	256.695	ug/l	98
60) Dibromochloromethane	11.14	129	226027	50.244	ug/l	95
61) 1,2-Dibromoethane	11.24	107	164984	50.880	ug/l	99
64) Tetrachloroethene	10.87	164	222494	47.722	ug/l	95
65) Chlorobenzene	11.67	112	625025	49.003	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	243862	50.263	ug/l	99
67) Ethyl Benzene	11.74	91	1103618	50.500	ug/l	100
68) m/p-Xylenes	11.86	106	857732	100.710	ug/l	100
69) o-Xylene	12.18	106	395554	51.936	ug/l	96
70) Styrene	12.20	104	692538	52.954	ug/l	99
71) Bromoform	12.36	173	125418	49.800	ug/l #	98
73) Isopropylbenzene	12.48	105	1061901	51.976	ug/l	100
74) N-amyl acetate	12.29	43	186980	50.910	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	172938	50.239	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	117068m	44.668	ug/l	
77) Bromobenzene	12.76	156	259351	52.572	ug/l	96
78) n-propylbenzene	12.82	91	1225294	50.746	ug/l	99
79) 2-Chlorotoluene	12.91	91	702010	50.816	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	902134	52.263	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	51852	49.325	ug/l	99
82) 4-Chlorotoluene	13.01	91	732106	49.809	ug/l	100
83) tert-Butylbenzene	13.23	119	775217	53.331	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	899685	52.227	ug/l	99
85) sec-Butylbenzene	13.40	105	1041102	50.859	ug/l	100
86) p-Isopropyltoluene	13.52	119	955449	50.345	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	472889	49.213	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	461310	48.013	ug/l	99
89) n-Butylbenzene	13.85	91	839028	48.375	ug/l	99
90) Hexachloroethane	14.11	117	167606	50.418	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	415874	49.556	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	27300	49.199	ug/l	98

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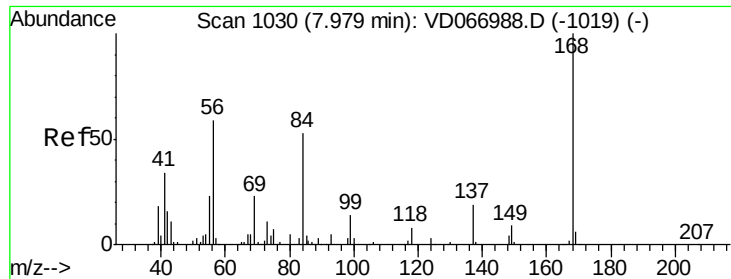
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	273496	50.384	ug/l	98
94) Hexachlorobutadiene	15.27	225	159426	47.823	ug/l	99
95) Naphthalene	15.41	128	478866	52.890	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	238282	50.567	ug/l	96

(#) = 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: VD067007.D

Acq: 01 Oct 2020 22:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 424767

Ion Ratio Lower Upper

168 100

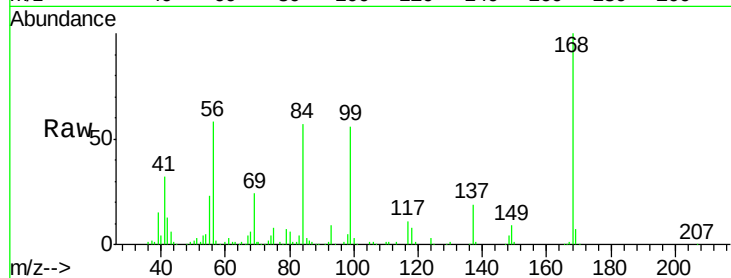
99 56.2 44.1 66.1

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

200000

150000

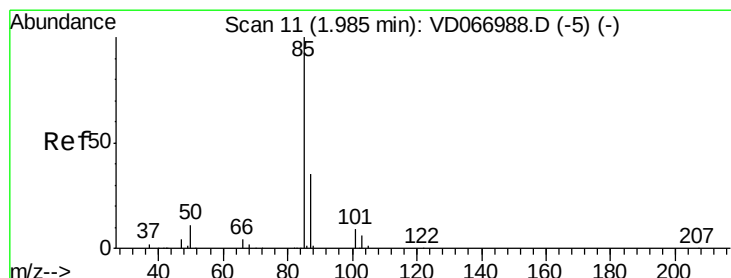
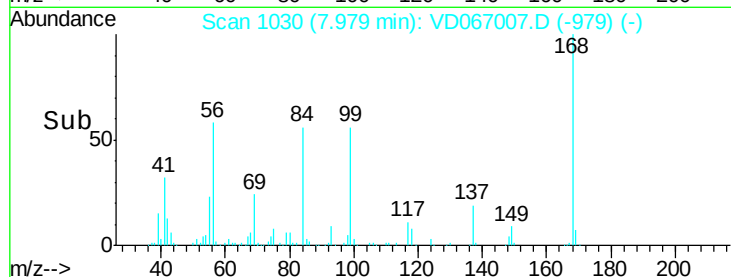
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 51.005 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067007.D

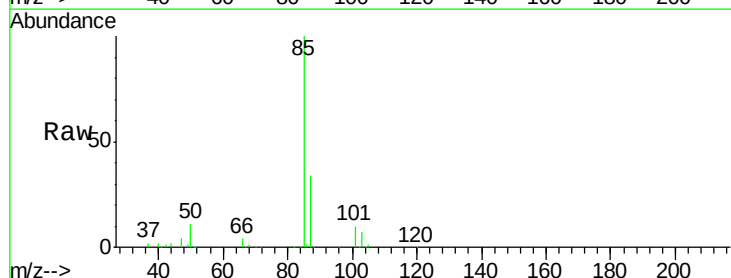
Acq: 01 Oct 2020 22:46

Tgt Ion: 85 Resp: 174073

Ion Ratio Lower Upper

85 100

87 34.1 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

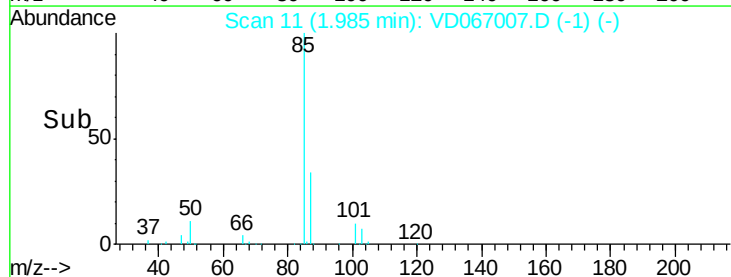
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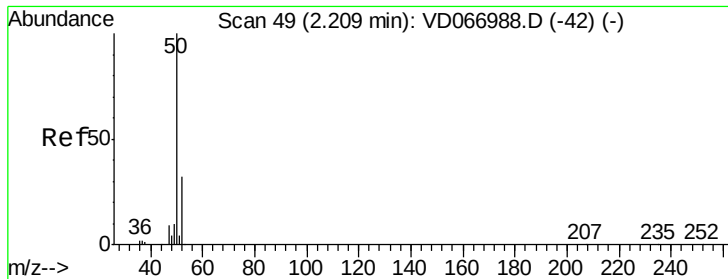
50000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 47.660 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067007.D

Acq: 01 Oct 2020 22:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 161223

Ion Ratio Lower Upper

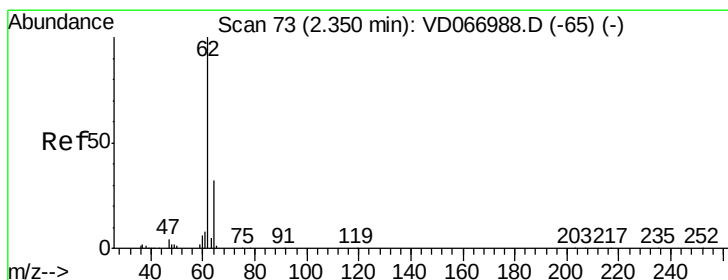
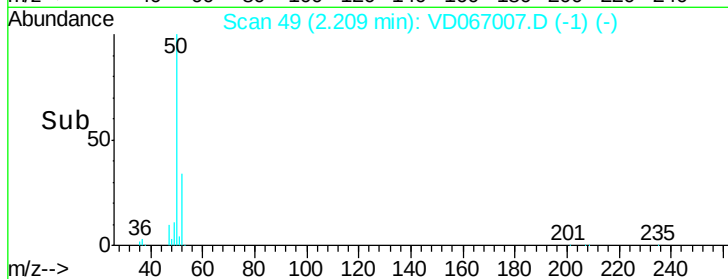
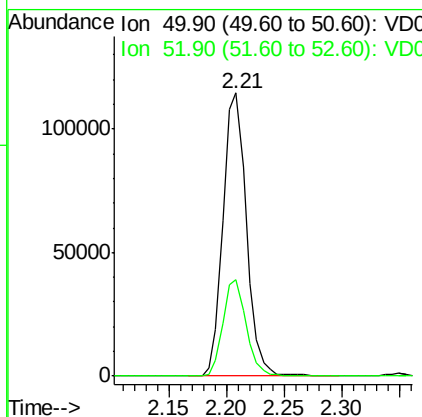
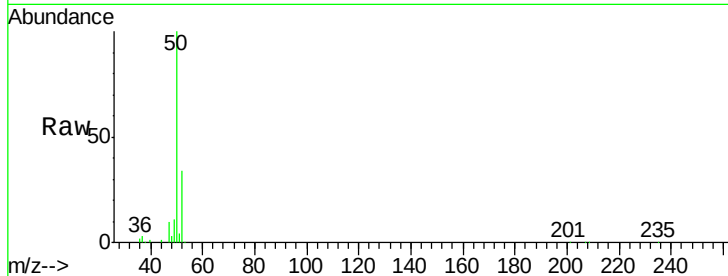
50 100

52 34.2 25.3 37.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 48.032 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067007.D

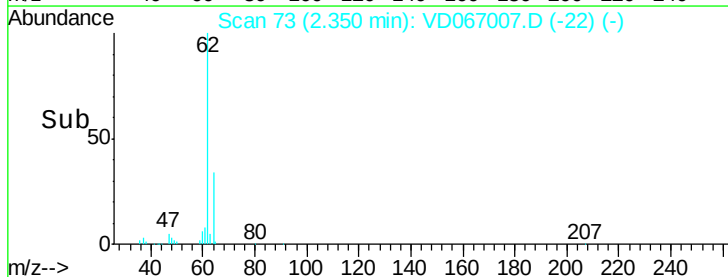
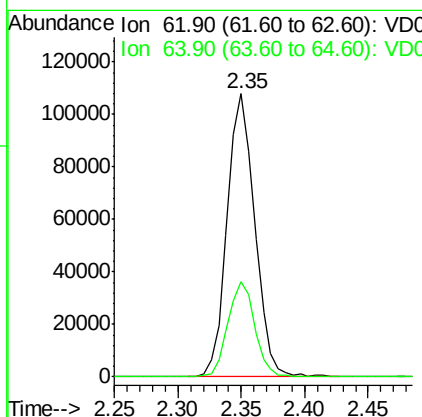
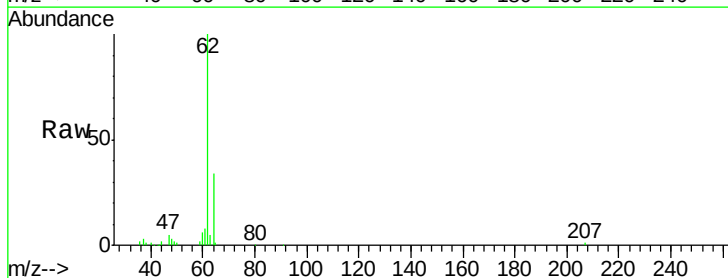
Acq: 01 Oct 2020 22:46

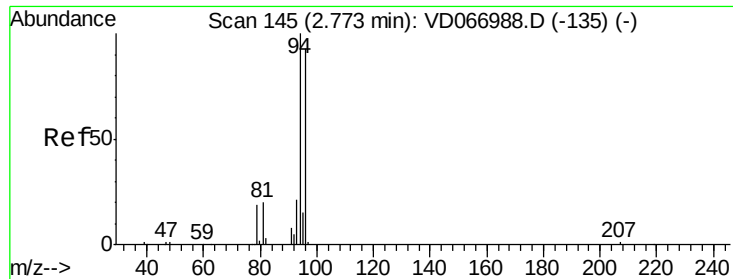
Tgt Ion: 62 Resp: 162921

Ion Ratio Lower Upper

62 100

64 33.9 25.8 38.8





#5

Bromomethane

Concen: 59.415 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067007.D

Acq: 01 Oct 2020 22:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 128117

Ion Ratio Lower Upper

94 100

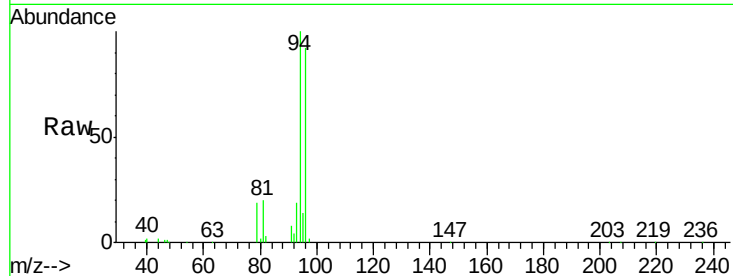
96 92.0 74.6 112.0

Manual Integrations

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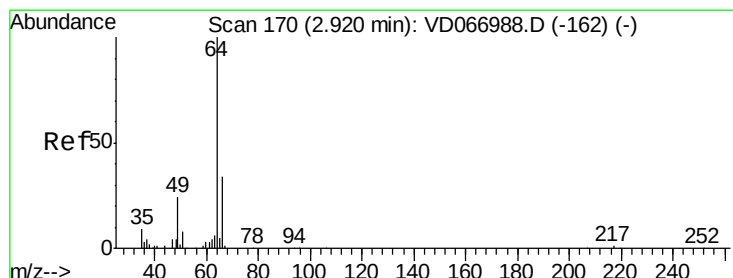
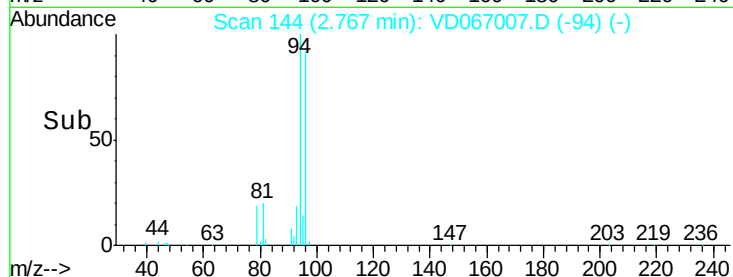
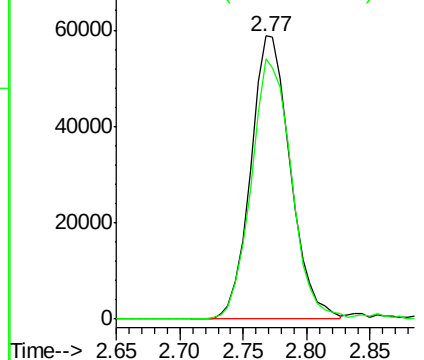
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.137 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067007.D

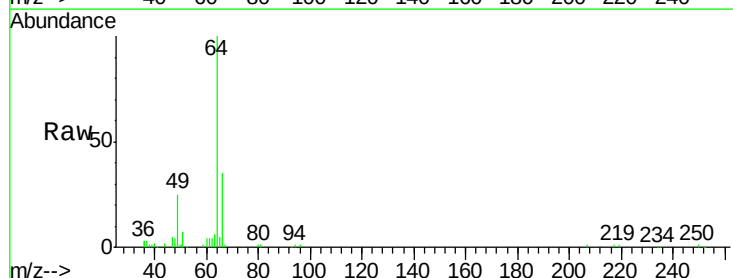
Acq: 01 Oct 2020 22:46

Tgt Ion: 64 Resp: 101500

Ion Ratio Lower Upper

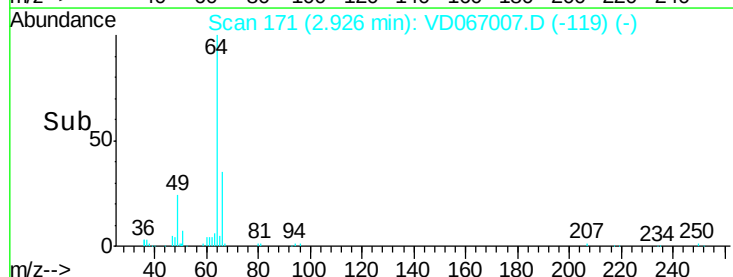
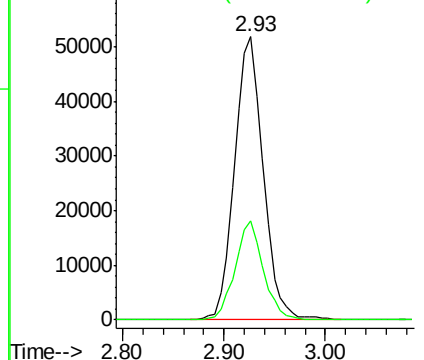
64 100

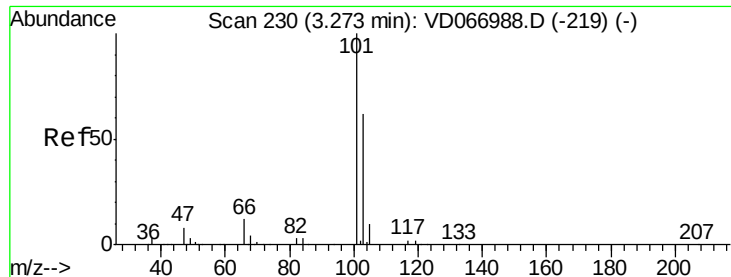
66 34.8 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

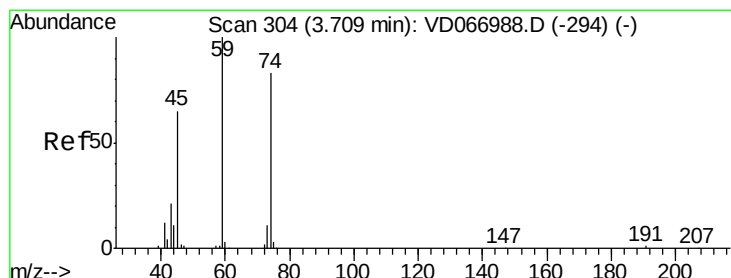
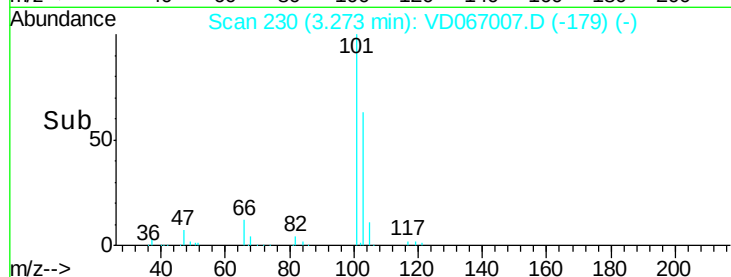
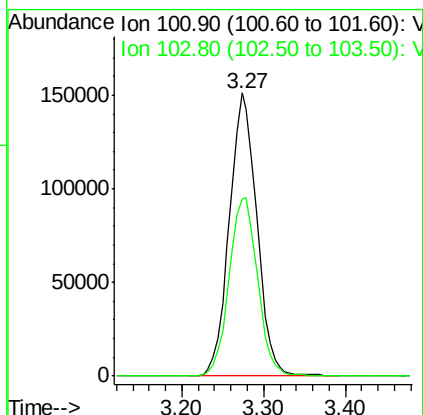
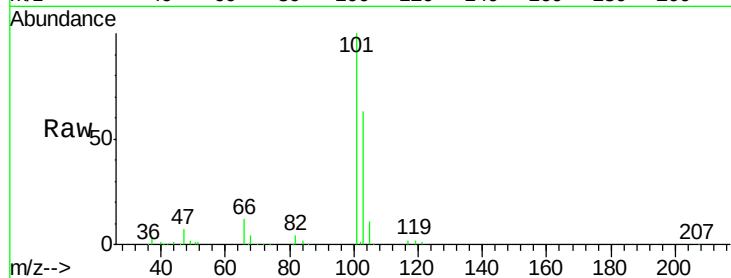
Trichlorofluoromethane
 Concen: 47.024 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD067007.D
 Acq: 01 Oct 2020 22:46

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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	49.8	74.8

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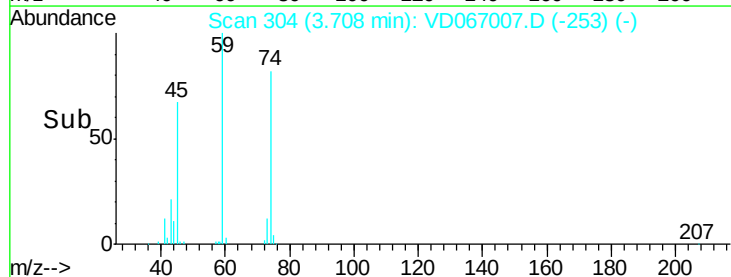
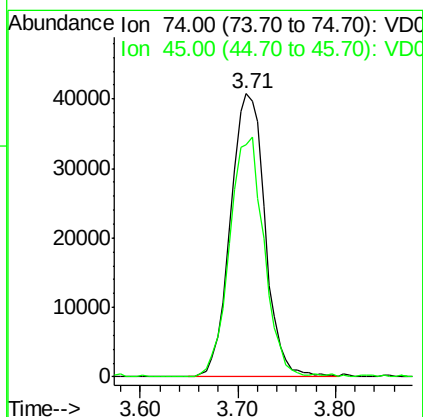
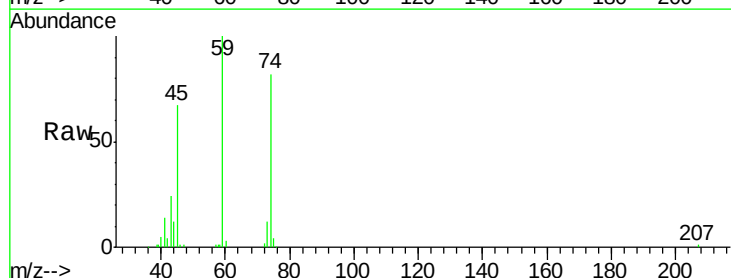
MMDadoda
 10/2/2020 3:13:36 PM

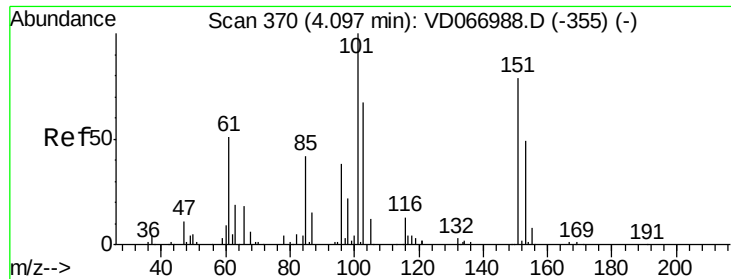


#8

Diethyl Ether
 Concen: 53.850 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD067007.D
 Acq: 01 Oct 2020 22:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	84.0	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.150 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067007.D

Acq: 01 Oct 2020 22:46

Instrument :

MSVOA_D

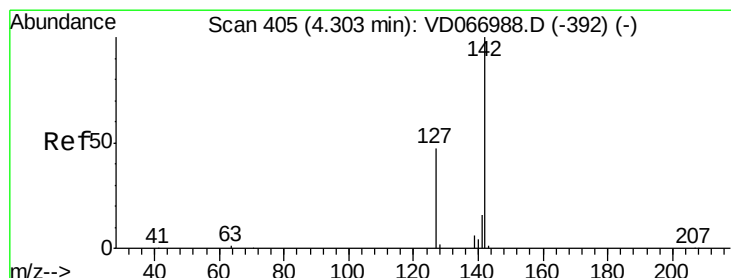
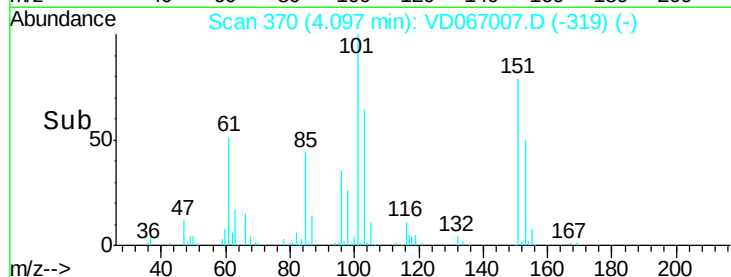
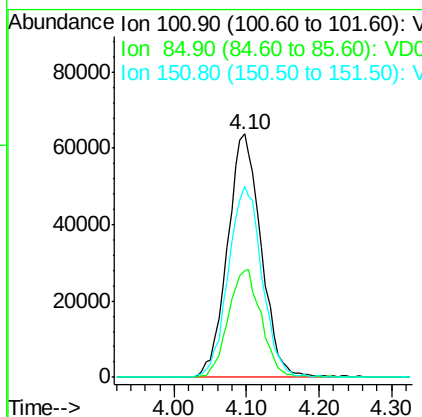
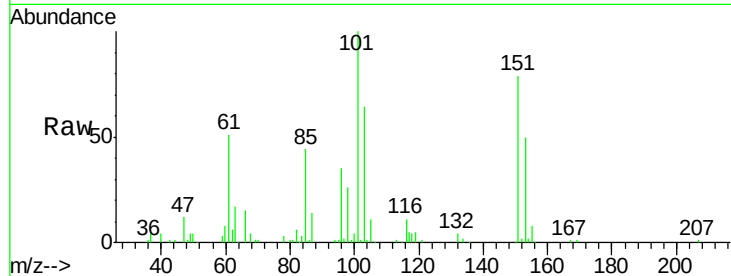
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	205090
Ion Ratio	Lower	Upper	
101	100		
85	43.4	33.8	50.8
151	78.7	63.8	95.8

Manual Integrations
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#10

Methyl Iodide

Concen: 54.893 ug/l

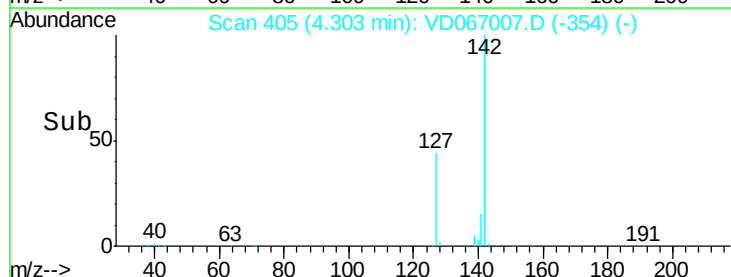
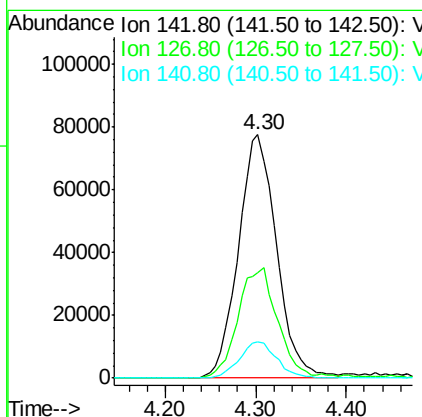
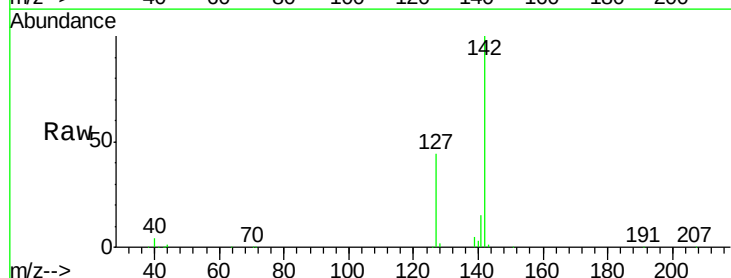
RT: 4.30 min Scan# 405

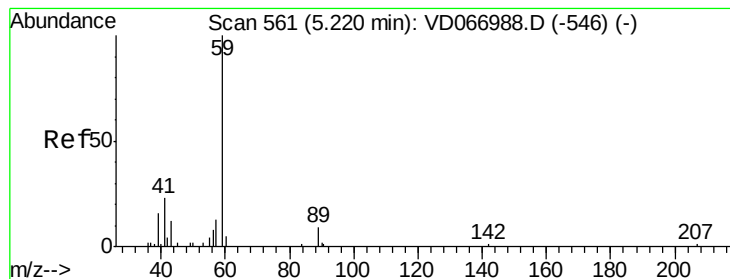
Delta R.T. -0.00 min

Lab File: VD067007.D

Acq: 01 Oct 2020 22:46

Tgt Ion:	142	Resp:	227184
Ion Ratio	Lower	Upper	
142	100		
127	47.1	36.3	54.5
141	14.6	12.0	18.0





#11

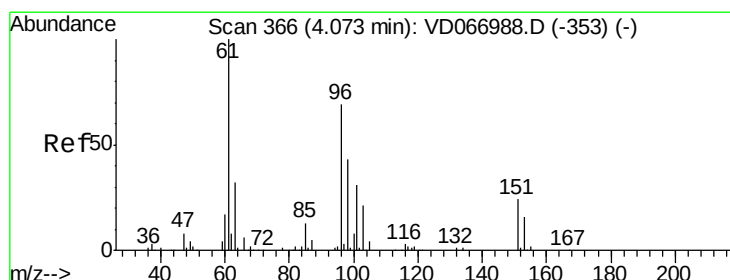
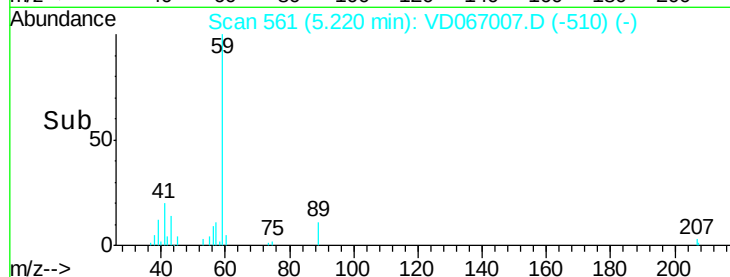
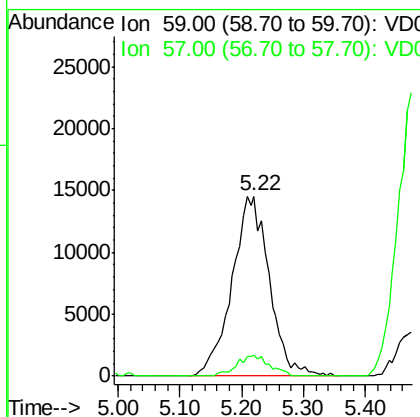
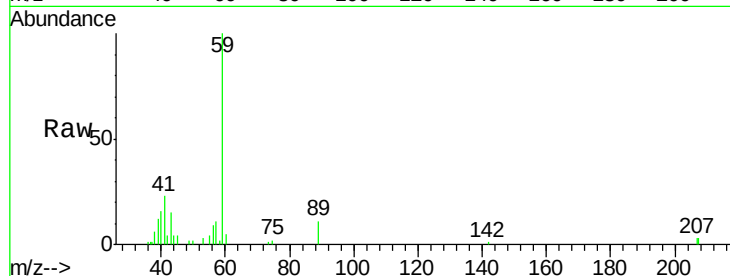
Tert butyl alcohol
Concen: 255.205 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	60950		
57	9.9		8.2	12.4

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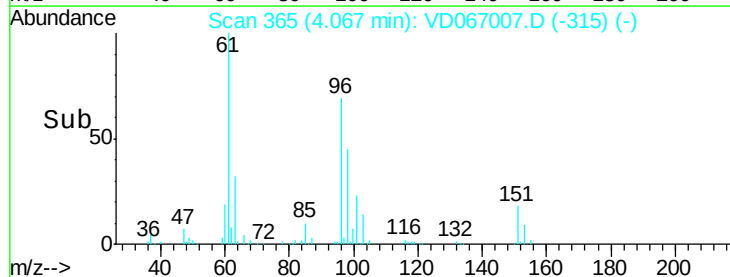
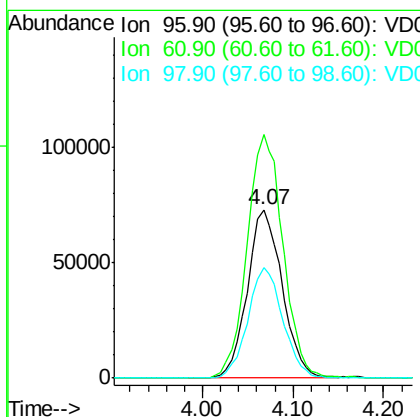
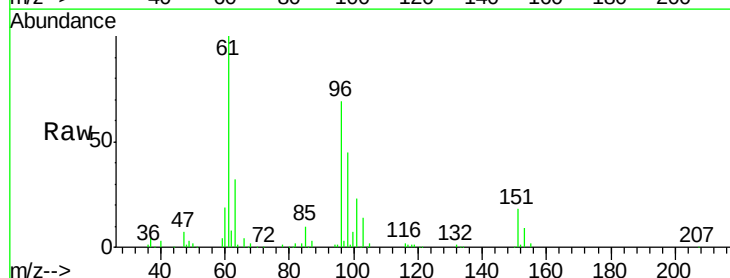
MMDadoda
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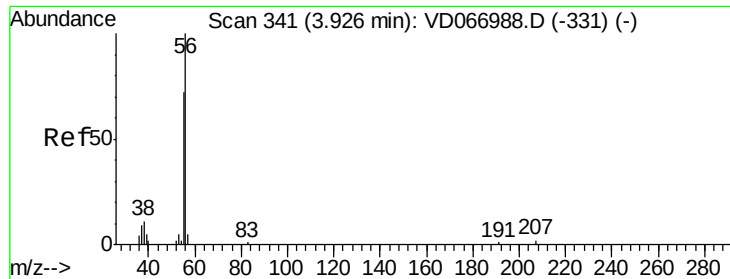


#12

1,1-Dichloroethene
Concen: 48.568 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	194475		
61	144.6		116.4	174.6
98	65.4		49.9	74.9





#13

Acrolein

Concen: 222.975 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067007.D

Acq: 01 Oct 2020 22:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 61085

Ion Ratio Lower Upper

56 100

55 71.9

56.9

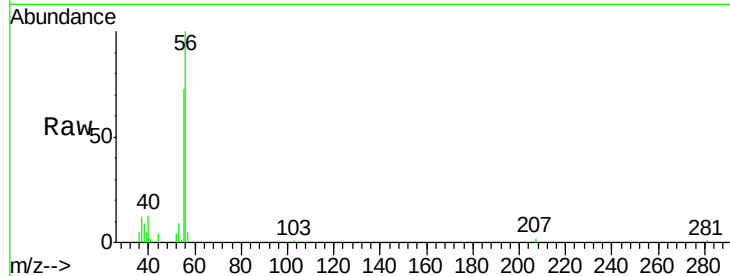
85.3

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

25000

20000

15000

10000

5000

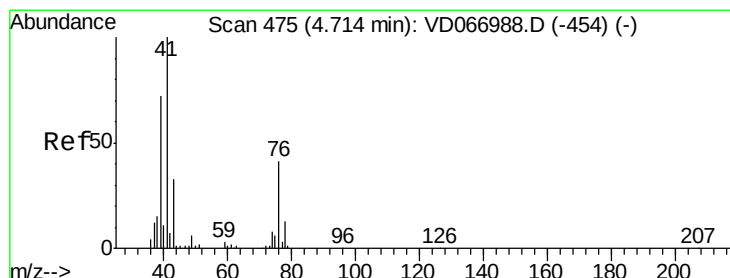
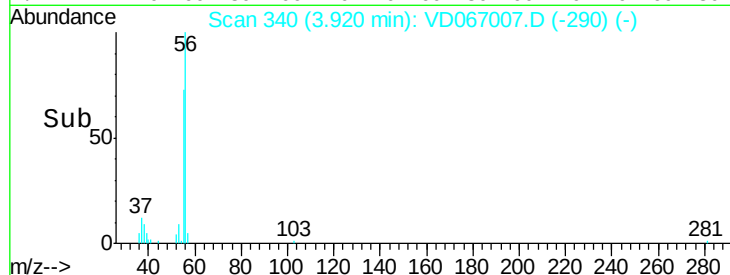
0

3.80

3.90

4.00

Time-->



#14

Allyl chloride

Concen: 52.327 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067007.D

Acq: 01 Oct 2020 22:46

Tgt Ion: 41 Resp: 272191

Ion Ratio Lower Upper

41 100

39 69.0

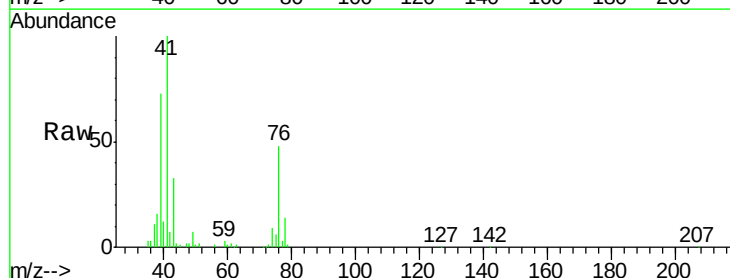
56.2

84.2

76 43.1

34.2

51.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

100000

80000

60000

40000

20000

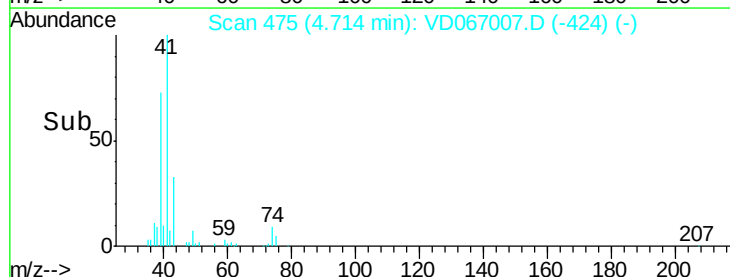
0

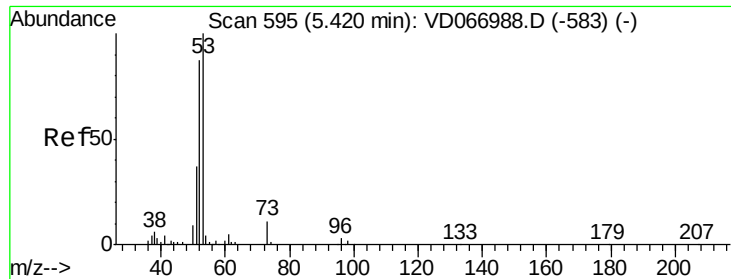
4.60

4.70

4.80

Time-->





#15

Acrylonitrile

Concen: 261.744 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD067007.D

Acq: 01 Oct 2020 22:46

Instrument :

MSVOA_D

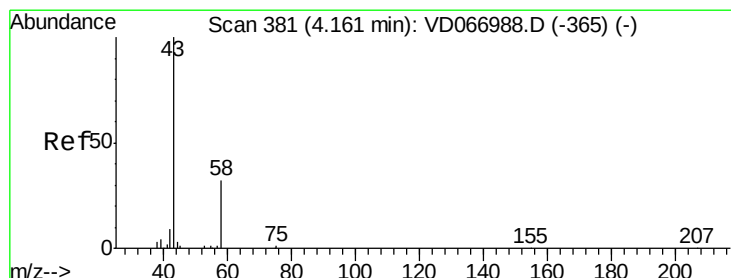
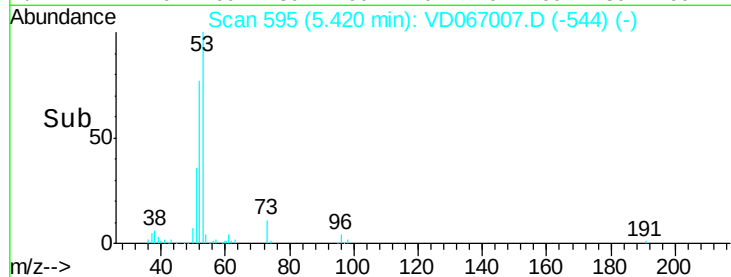
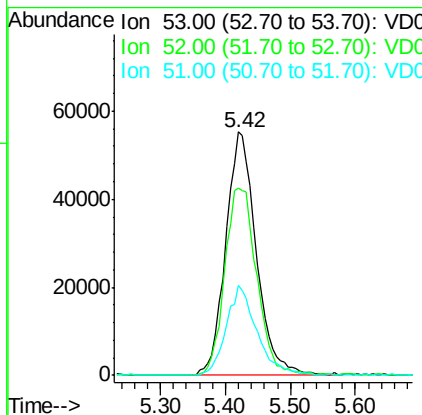
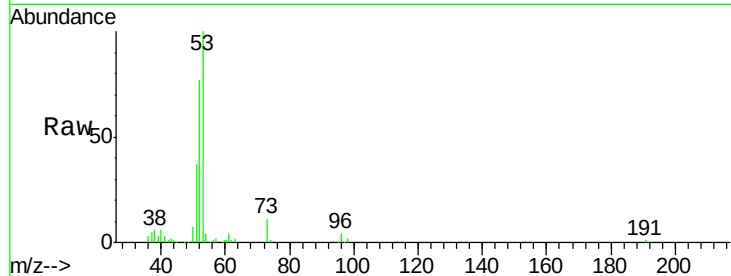
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	180023
Ion Ratio		Lower	Upper
53	100		
52	80.4	67.3	100.9
51	36.9	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 235.544 ug/l

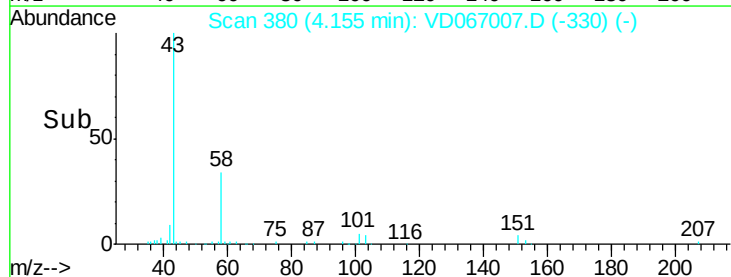
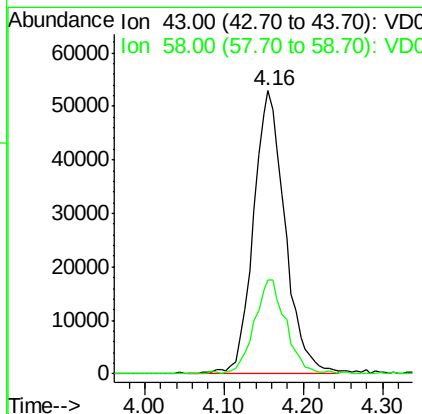
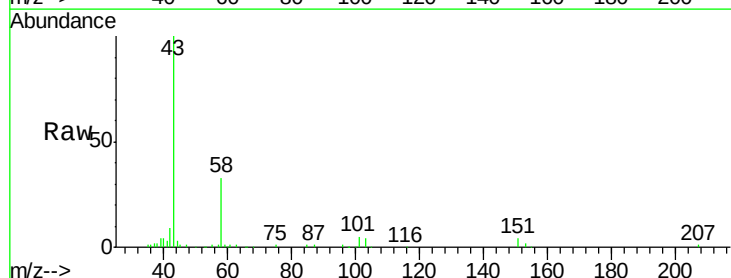
RT: 4.16 min Scan# 380

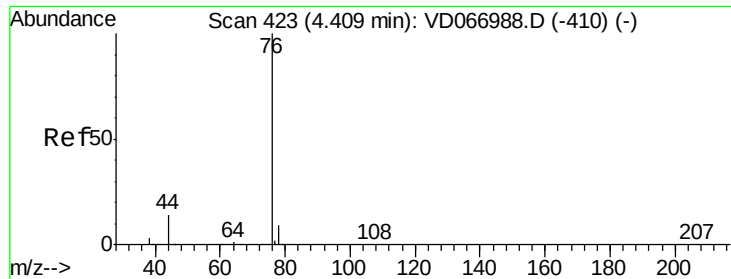
Delta R.T. -0.01 min

Lab File: VD067007.D

Acq: 01 Oct 2020 22:46

Tgt Ion:	43	Resp:	147108
Ion Ratio		Lower	Upper
43	100		
58	33.4	25.9	38.9





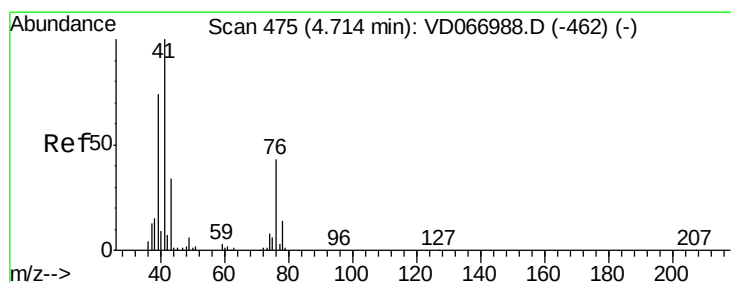
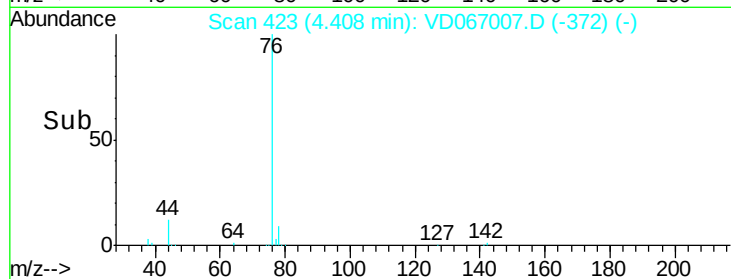
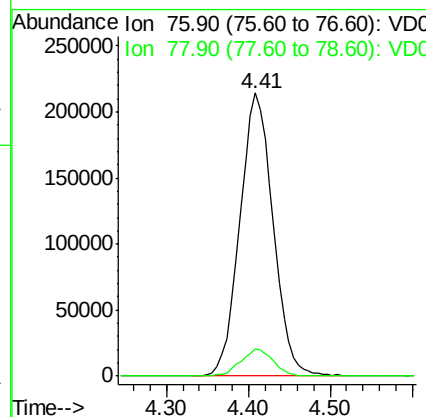
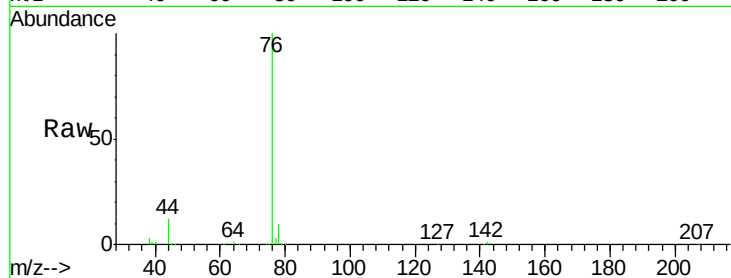
#17
Carbon Disulfide
Concen: 49.343 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.5	11.3

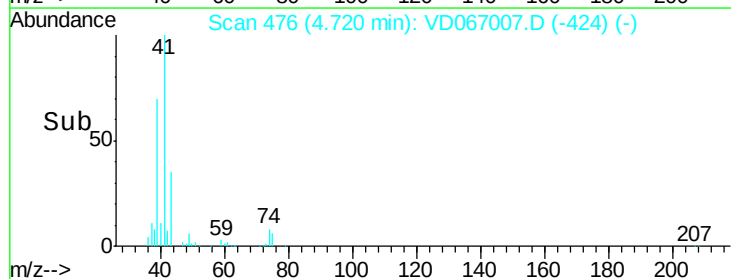
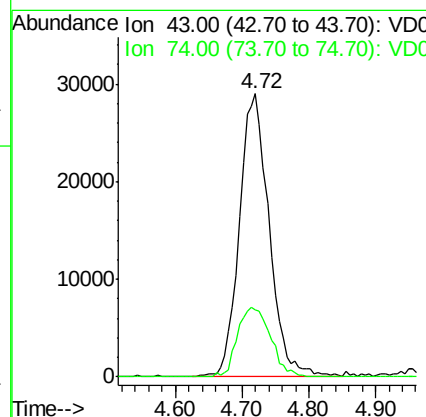
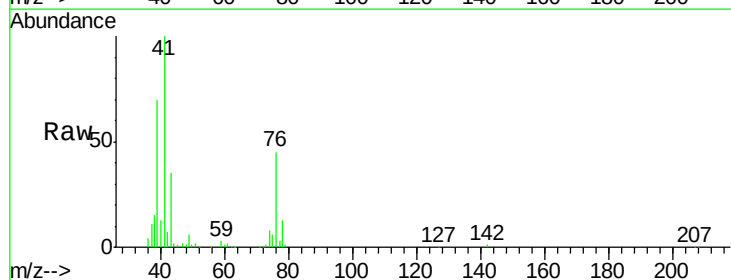
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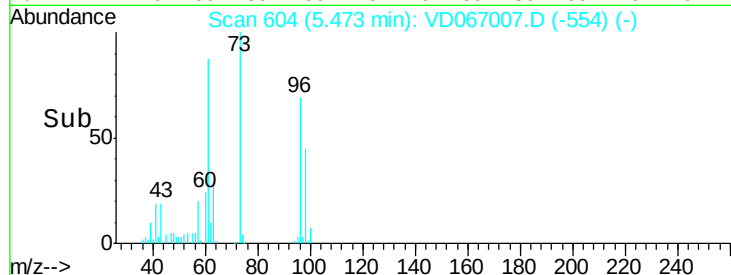
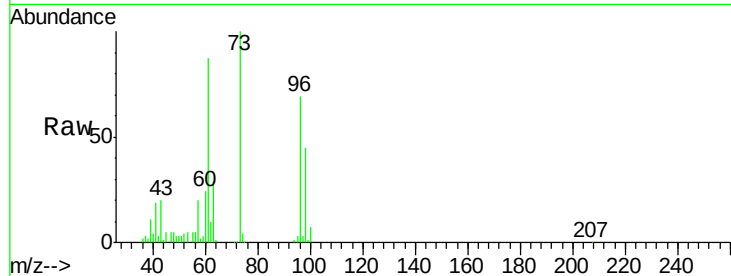
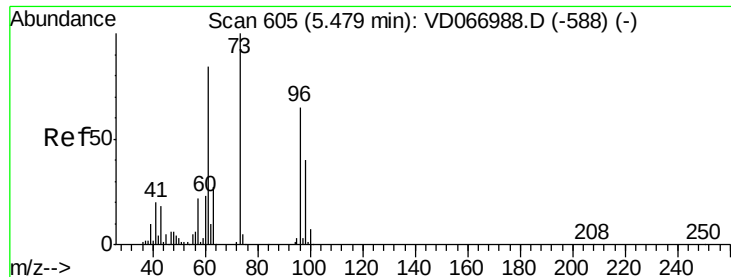
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10/2/2020 3:13:36 PM



#18
Methyl Acetate
Concen: 57.300 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.3	21.5	32.3





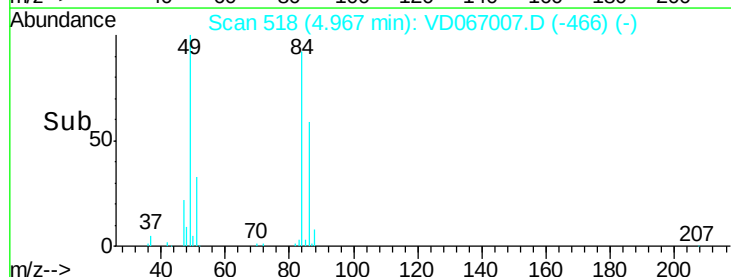
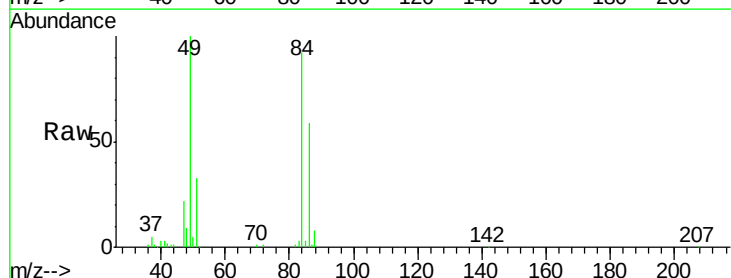
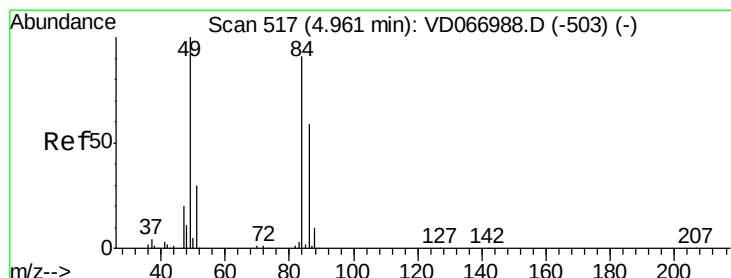
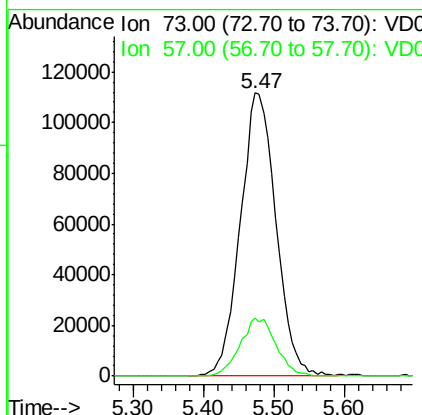
#19
Methyl tert-butyl Ether
Concen: 53.898 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Tot Ion: 73 Resp: 393979
Ion Ratio Lower Upper
73 100
57 20.5 17.4 26.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

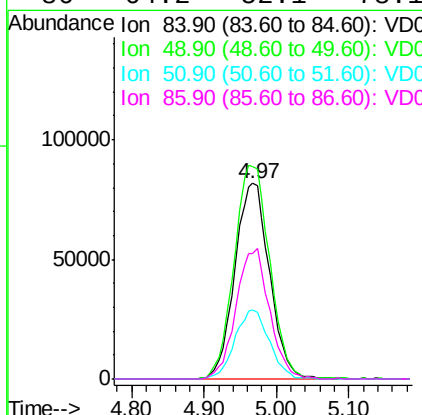
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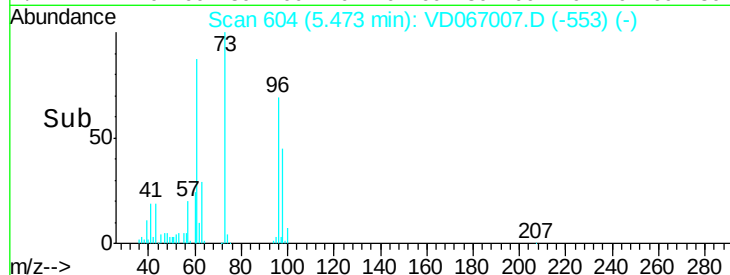
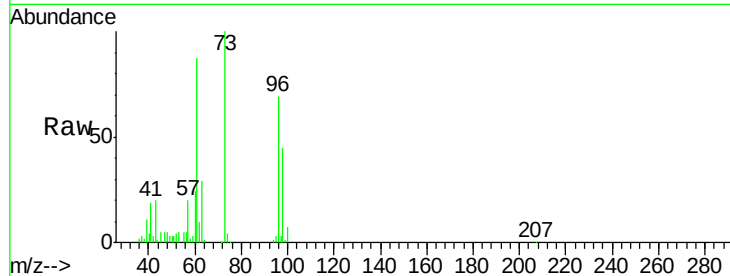
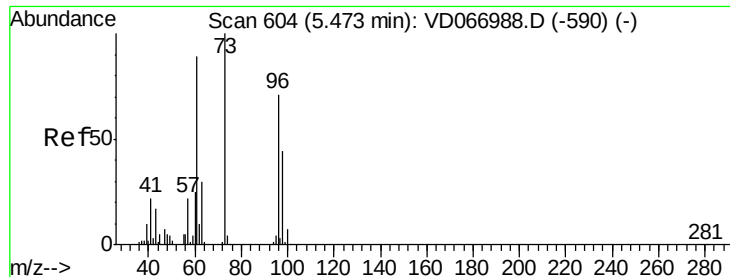
MMDadoda
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#20
Methylene Chloride
Concen: 63.179 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Tgt Ion: 84 Resp: 271508
Ion Ratio Lower Upper
84 100
49 109.0 88.2 132.2
51 35.6 26.6 39.8
86 64.2 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 51.358 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD067007.D

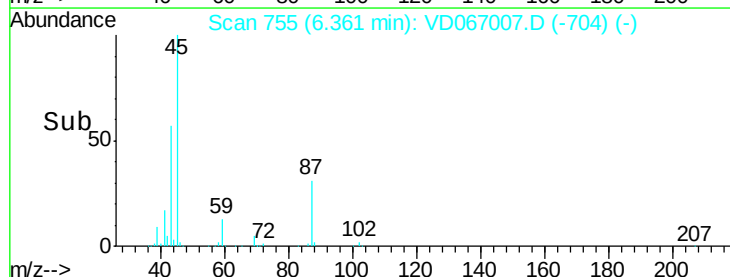
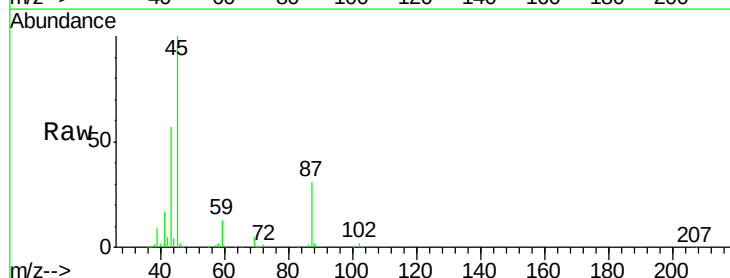
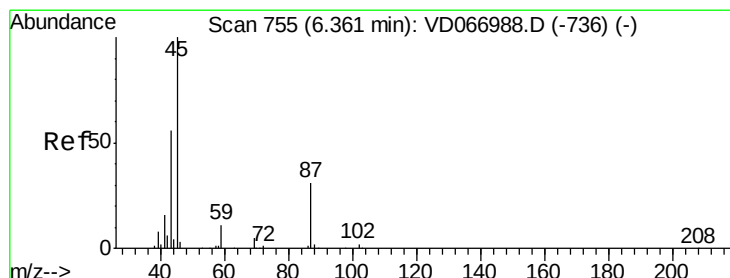
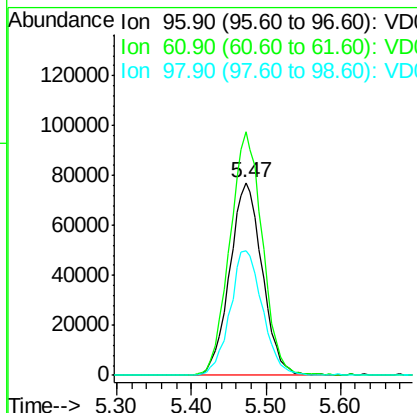
Acq: 01 Oct 2020 22:46

Tot Ion:	96	Resp:	234033
Ion	Ratio	Lower	Upper
96	100		
61	126.3	99.6	149.4
98	64.6	49.4	74.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.814 ug/l

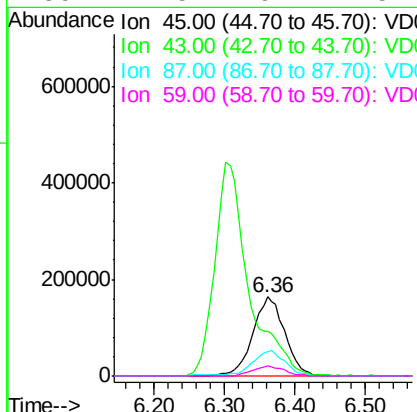
RT: 6.36 min Scan# 755

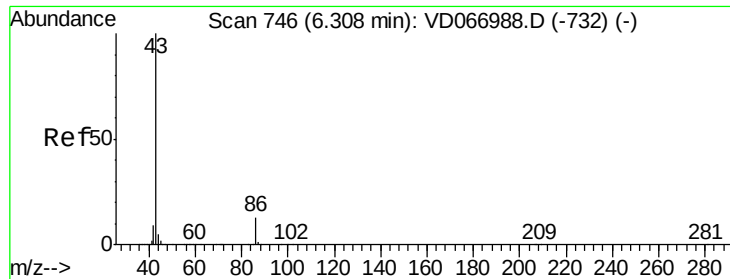
Delta R.T. -0.00 min

Lab File: VD067007.D

Acq: 01 Oct 2020 22:46

Tgt Ion:	45	Resp:	520545
Ion	Ratio	Lower	Upper
45	100		
43	55.8	45.2	67.8
87	30.6	25.6	38.4
59	12.5	9.1	13.7





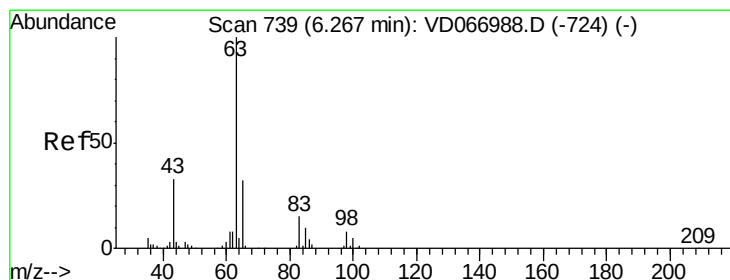
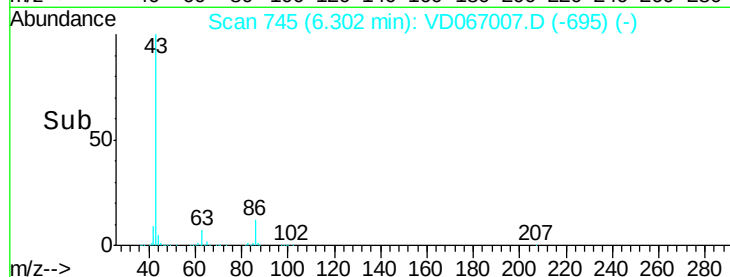
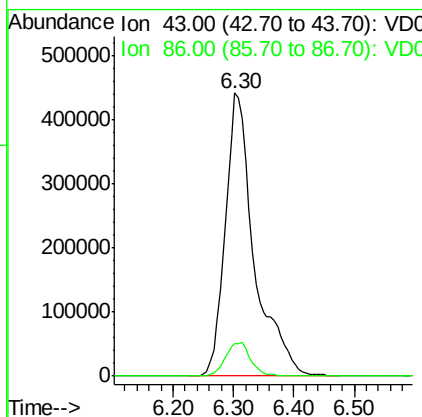
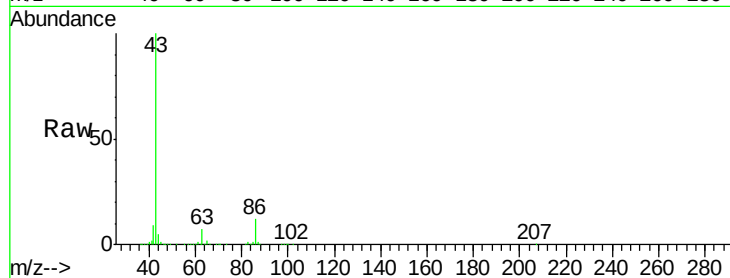
#23
 Vinyl Acetate
 Concen: 274.593 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VD067007.D
 Acq: 01 Oct 2020 22:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1477685
 Ion Ratio Lower Upper
 43 100
 86 11.7 10.2 15.2

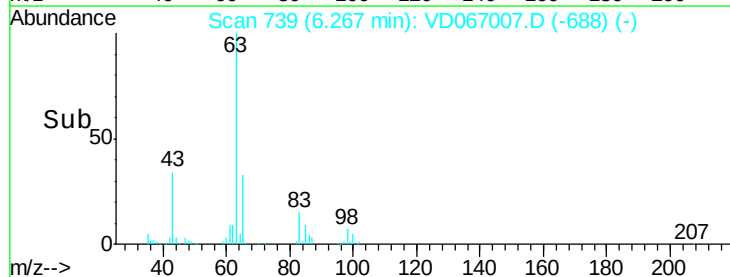
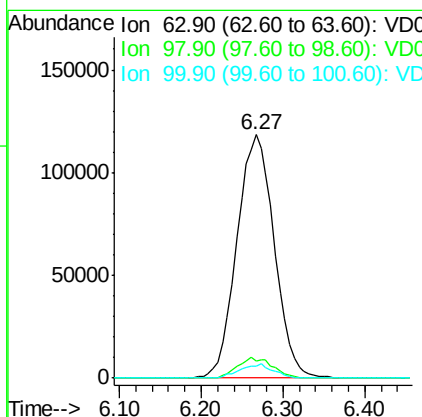
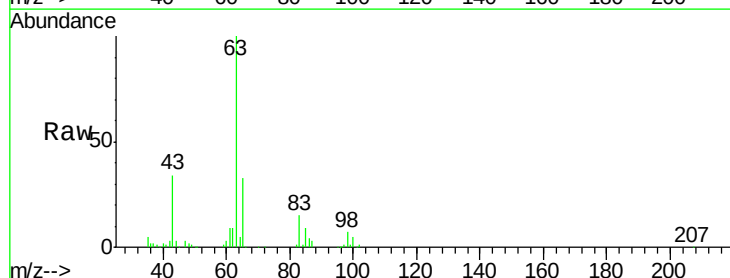
Manual Integrations
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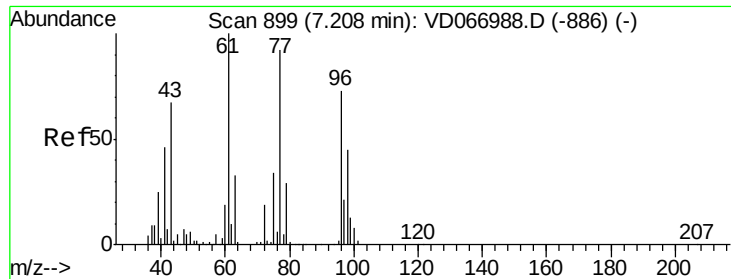
MMDadoda
 10/2/2020 3:13:36 PM



#24
 1,1-Dichloroethane
 Concen: 51.329 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VD067007.D
 Acq: 01 Oct 2020 22:46

Tgt Ion: 63 Resp: 376184
 Ion Ratio Lower Upper
 63 100
 98 7.3 4.2 12.6
 100 4.8 2.6 7.8





#25

2-Butanone

Concen: 255.810 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD067007.D

Acq: 01 Oct 2020 22:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 226510

Ion Ratio Lower Upper

43 100

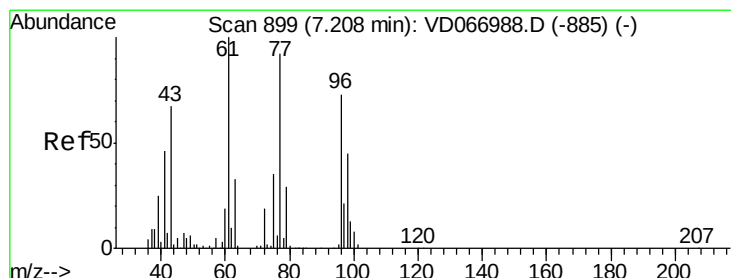
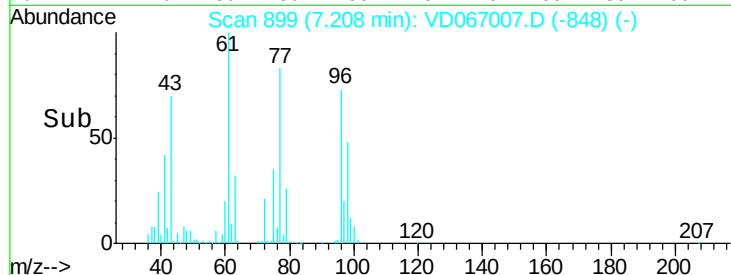
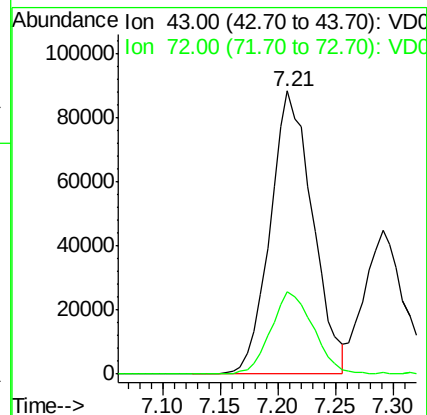
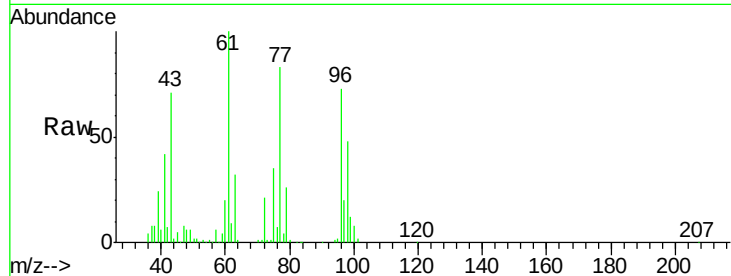
72 29.2 22.8 34.2

Manual Integrations

APPROVED

MMDadoda

10/2/2020 3:13:36 PM



#26

2,2-Dichloropropane

Concen: 49.078 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067007.D

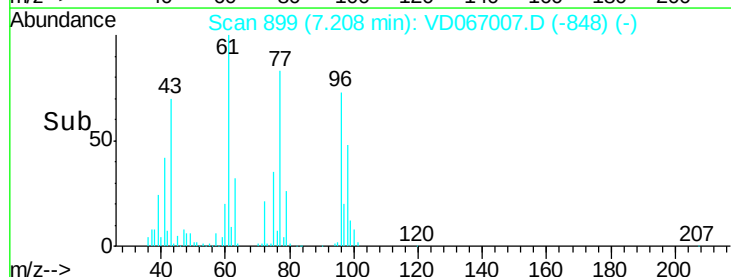
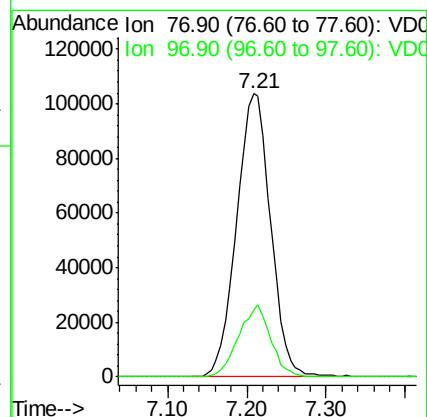
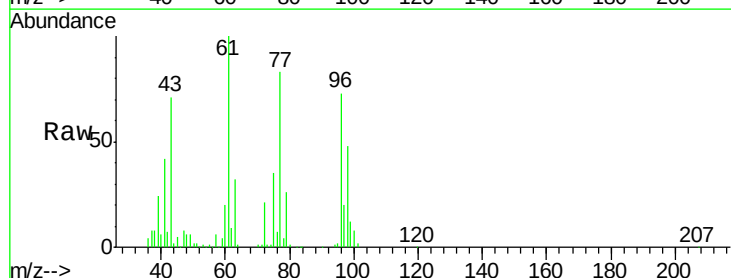
Acq: 01 Oct 2020 22:46

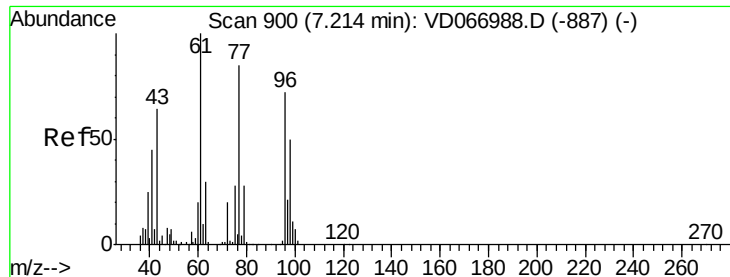
Tgt Ion: 77 Resp: 308048

Ion Ratio Lower Upper

77 100

97 24.0 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 52.966 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067007.D

Acq: 01 Oct 2020 22:46

Instrument :

MSVOA_D

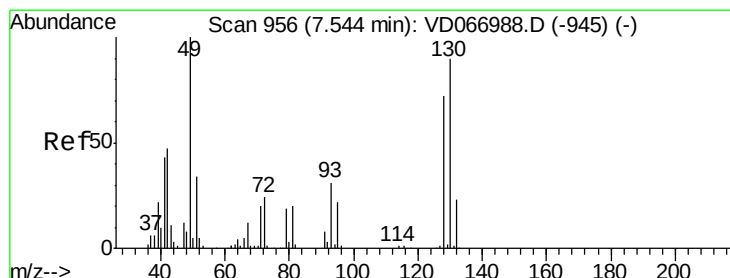
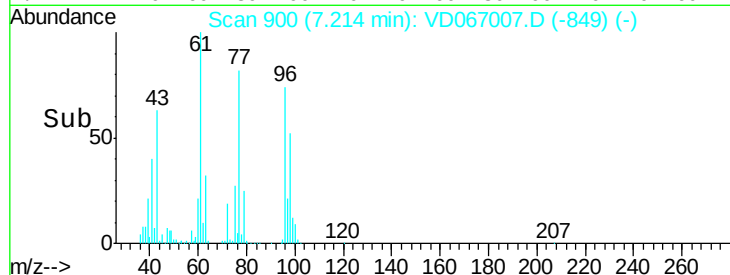
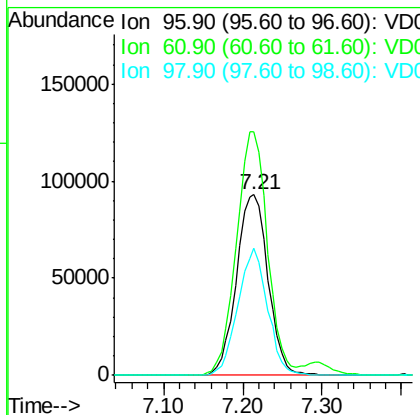
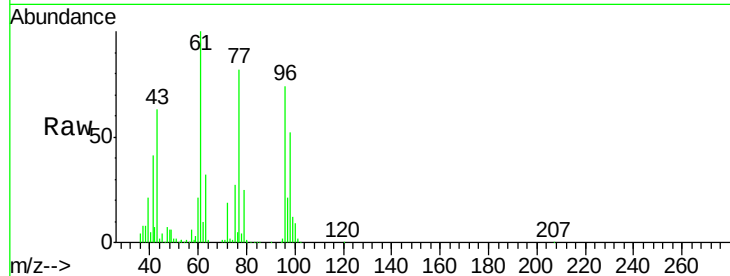
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	257774
Ion	Ratio	Lower	Upper
96	100		
61	132.2	0.0	269.2
98	65.8	0.0	129.4

Manual Integrations
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#28

Bromochloromethane

Concen: 55.270 ug/l

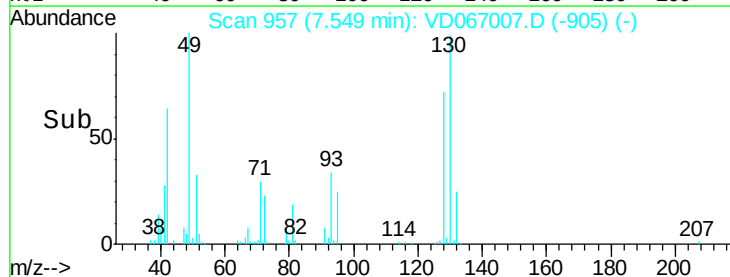
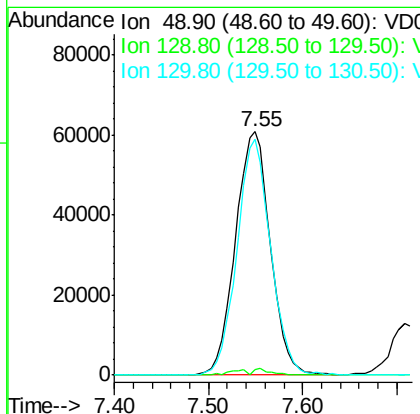
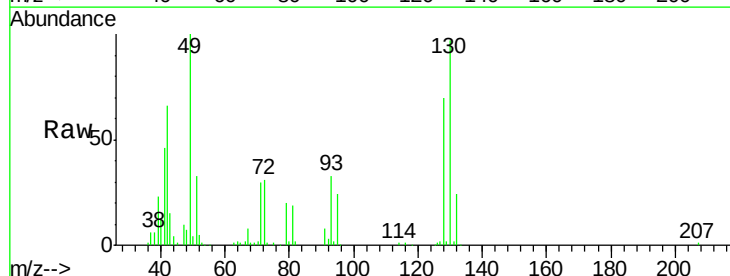
RT: 7.55 min Scan# 957

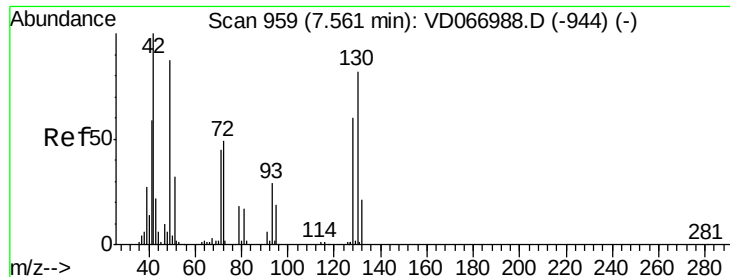
Delta R.T. 0.01 min

Lab File: VD067007.D

Acq: 01 Oct 2020 22:46

Tgt Ion:	49	Resp:	156434
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.6
130	93.3	74.1	111.1





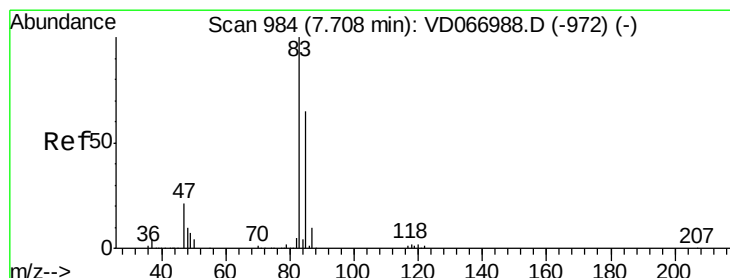
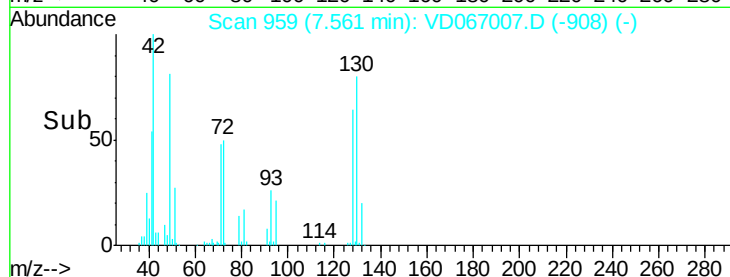
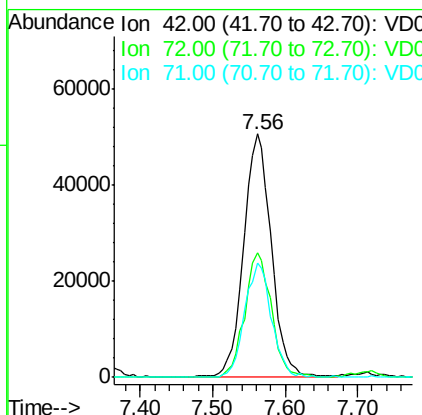
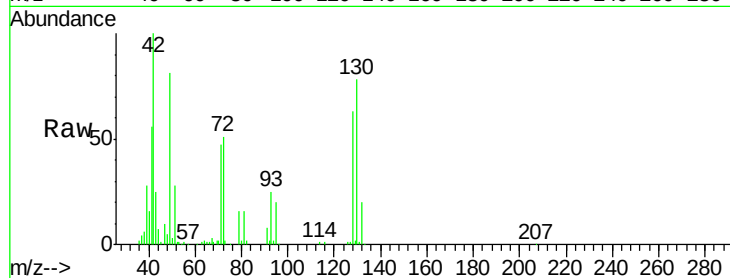
#29
Tetrahydrofuran
Concen: 264.780 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.0	39.1	58.7
71	45.3	34.2	51.4

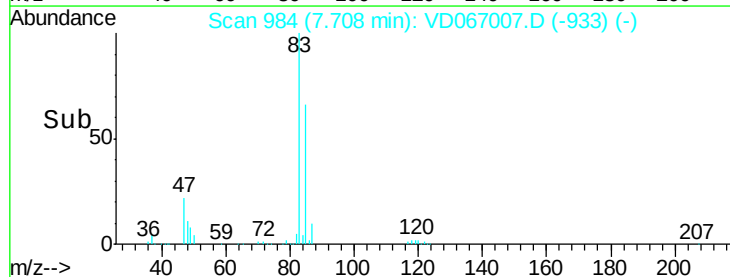
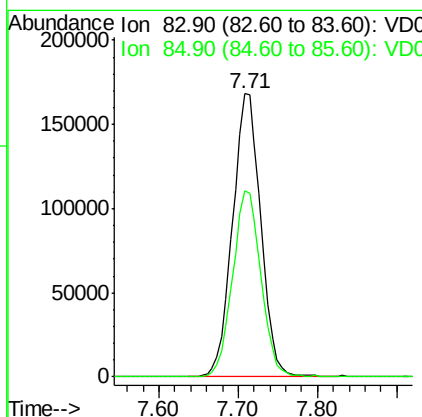
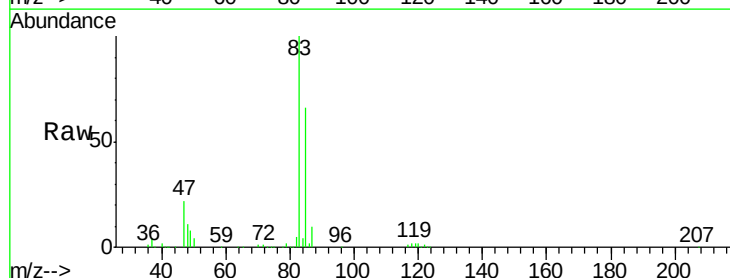
Manual Integrations
APPROVED

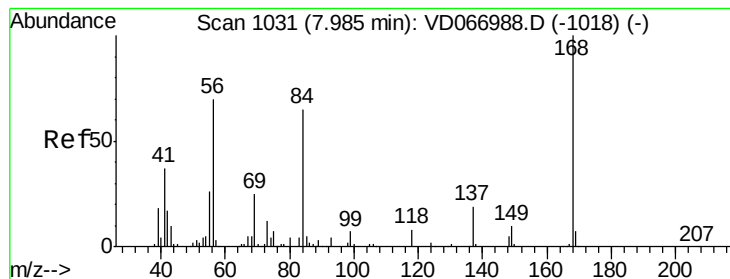
MMDadoda
10/2/2020 3:13:36 PM



#30
Chloroform
Concen: 52.082 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.3	78.5





#31

Cyclohexane

Concen: 45.706 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067007.D

Acq: 01 Oct 2020 22:46

Instrument :

MSVOA_D

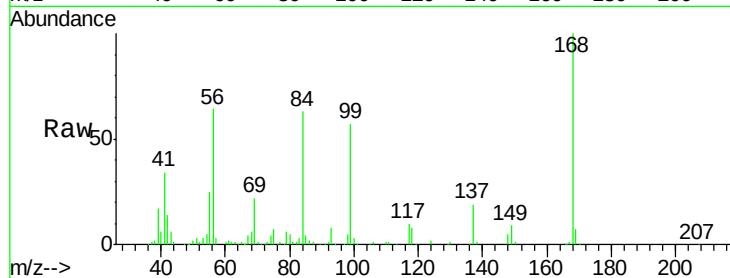
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	280835
Ion Ratio	Lower	Upper	
56	100		
69	34.5	29.0	43.6
84	96.5	74.2	111.2

Manual Integrations
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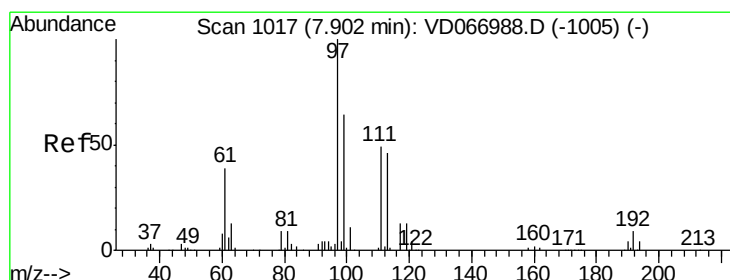
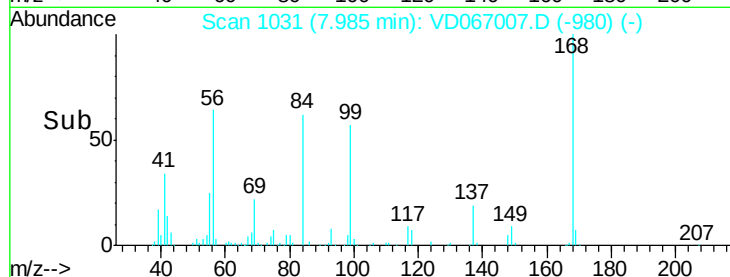
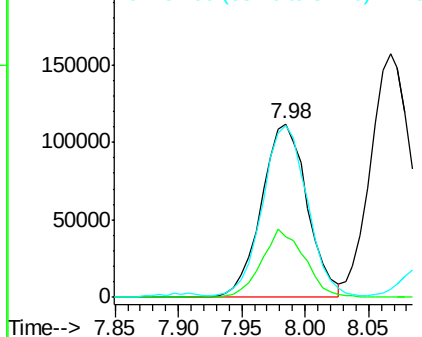


Abundance

Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 50.790 ug/l

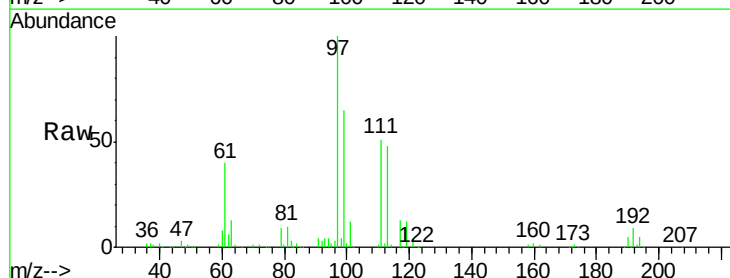
RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD067007.D

Acq: 01 Oct 2020 22:46

Tgt Ion:	97	Resp:	374229
Ion Ratio	Lower	Upper	
97	100		
99	62.9	52.6	78.8
61	39.5	32.8	49.2

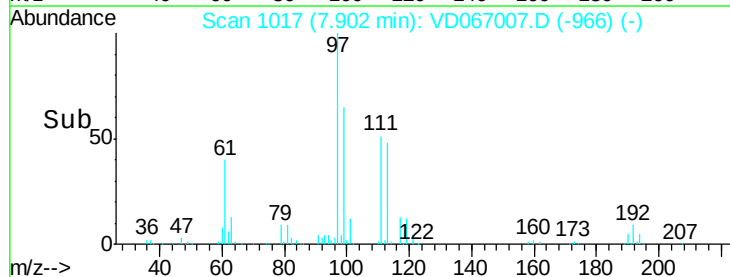
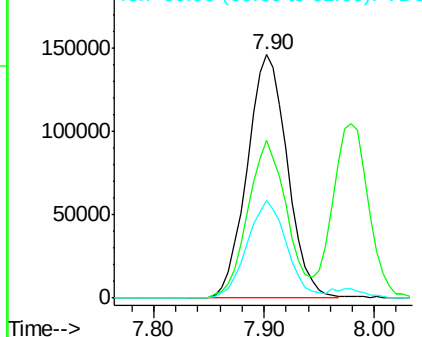


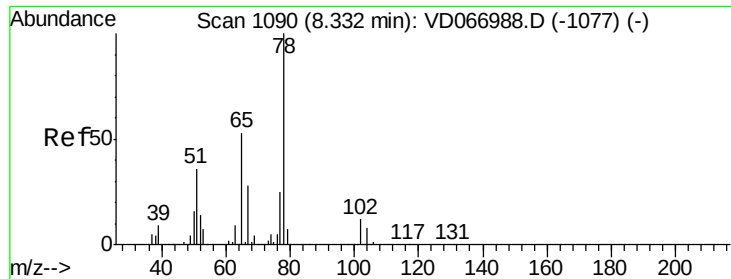
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC





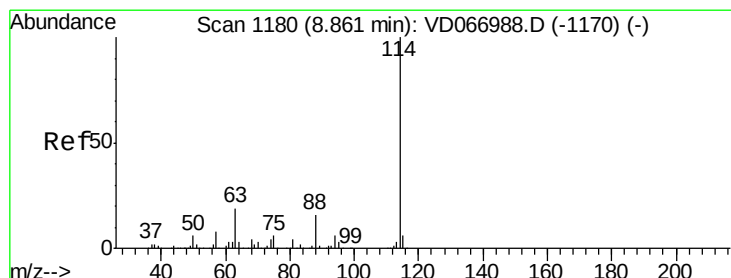
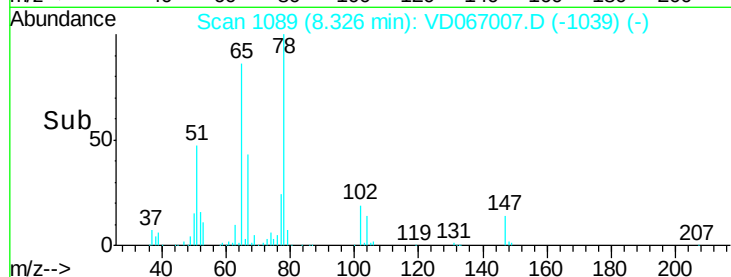
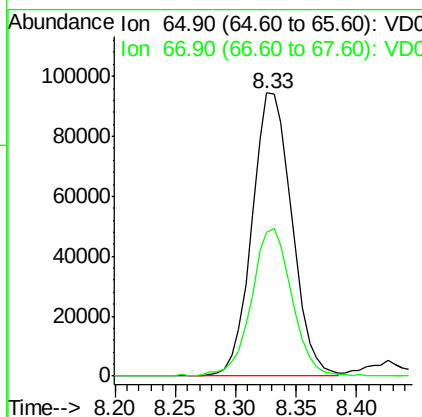
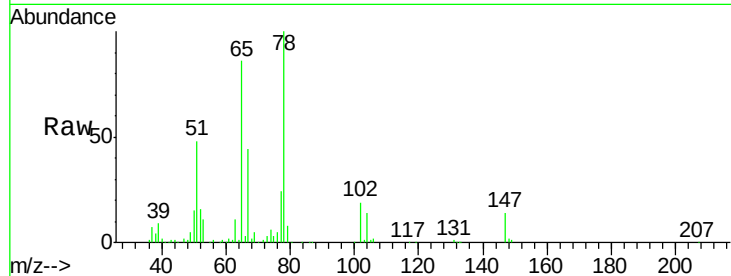
#33
 1,2-Dichloroethane-d4
 Concen: 52.941 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD067007.D
 Acq: 01 Oct 2020 22:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	216599		
67	52.7	0.0	106.8	

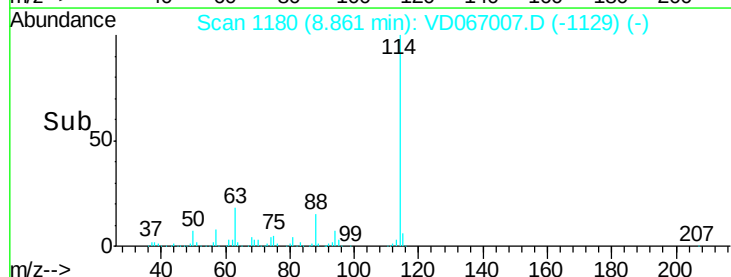
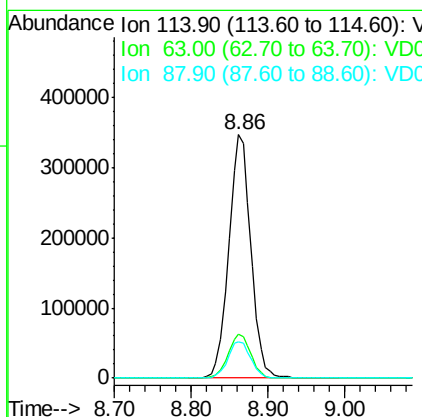
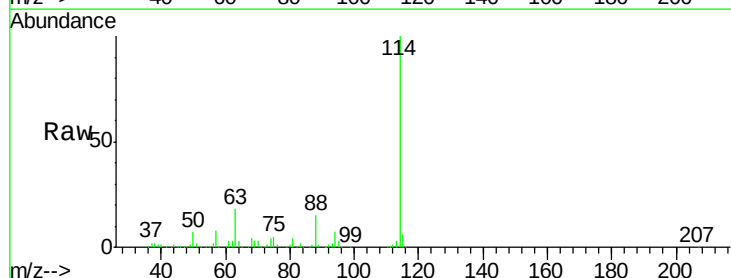
Manual Integrations
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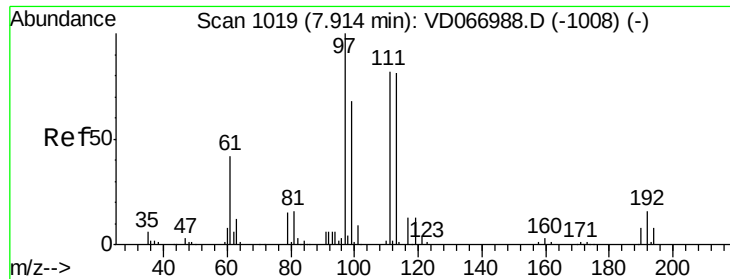
MMDadoda
 10/2/2020 3:13:36 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD067007.D
 Acq: 01 Oct 2020 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	694355		
63	18.2	0.0	38.4	
88	14.9	0.0	31.2	





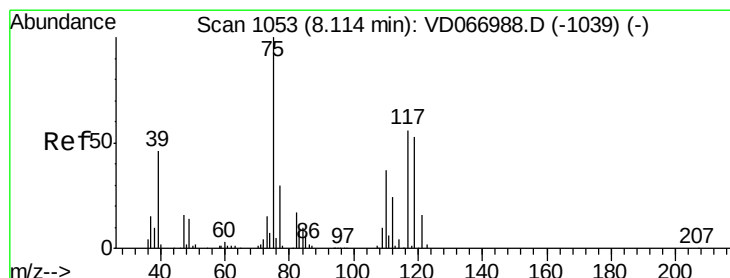
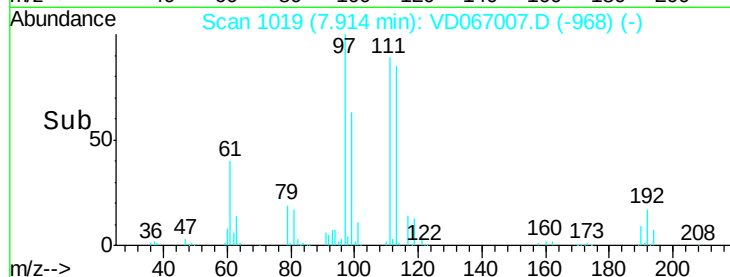
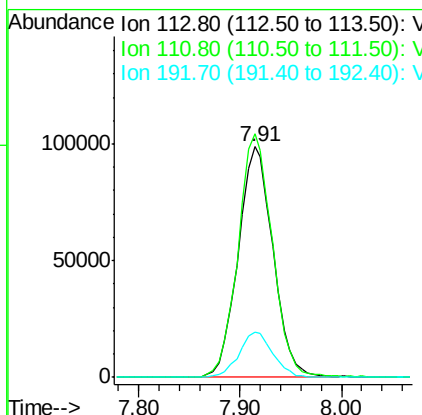
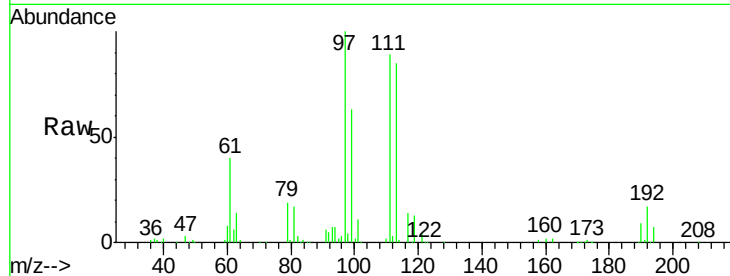
#35
 Dibromofluoromethane
 Concen: 52.106 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD067007.D
 Acq: 01 Oct 2020 22:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	236865		
111	103.7	83.0	124.4	
192	19.0	15.5	23.3	

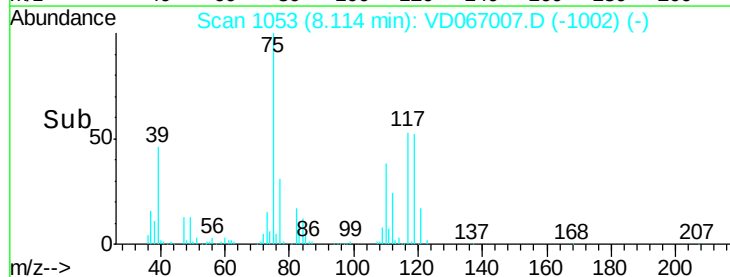
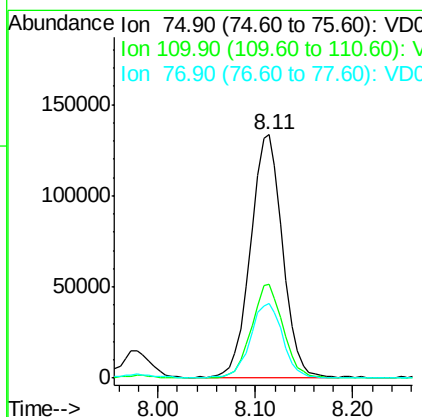
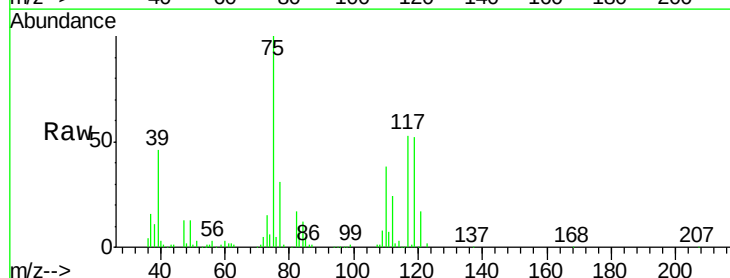
Manual Integrations
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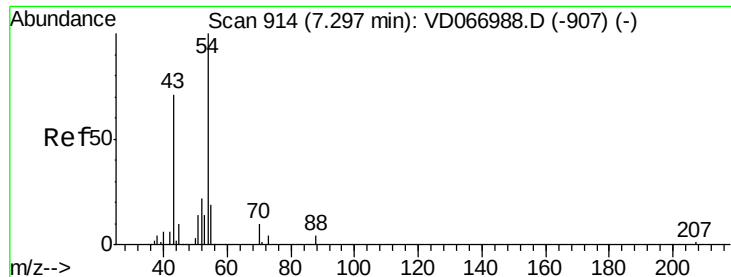
MMDadoda
 10/2/2020 3:13:36 PM



#36
 1,1-Dichloropropene
 Concen: 47.819 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD067007.D
 Acq: 01 Oct 2020 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	309494		
110	37.9	18.4	55.0	
77	31.0	24.8	37.2	





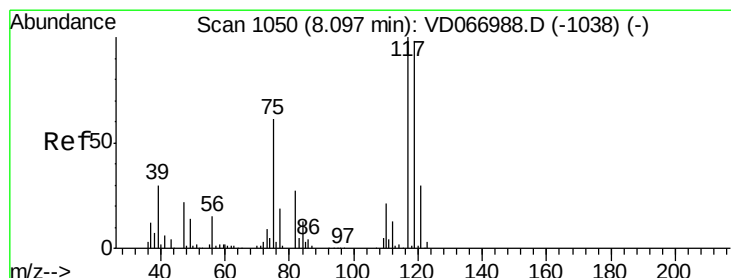
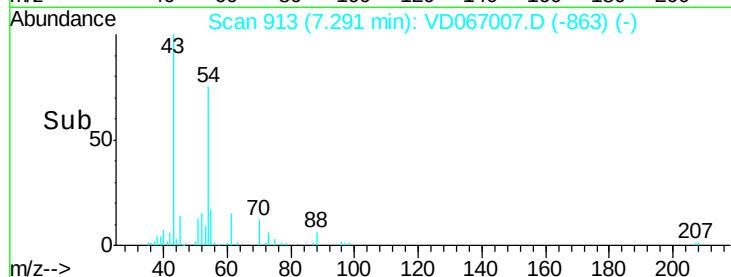
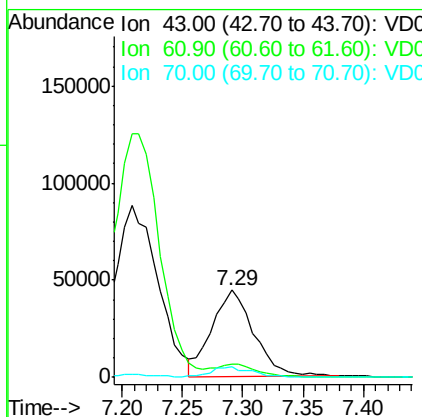
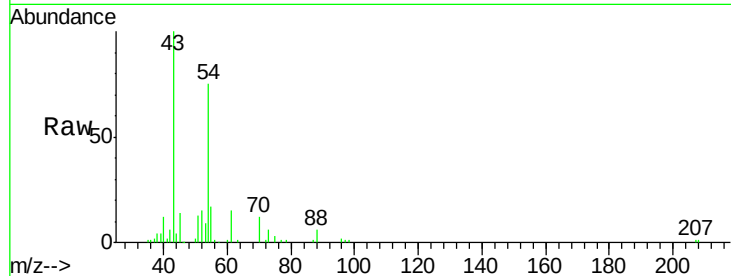
#37
Ethyl Acetate
Concen: 48.054 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	12.5	18.7
70	11.9	9.4	14.0

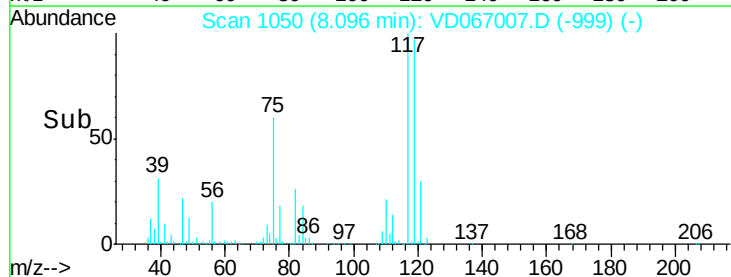
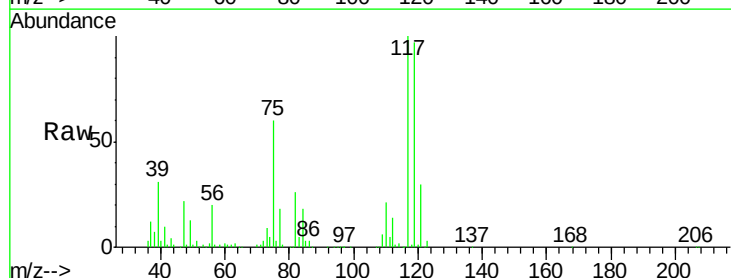
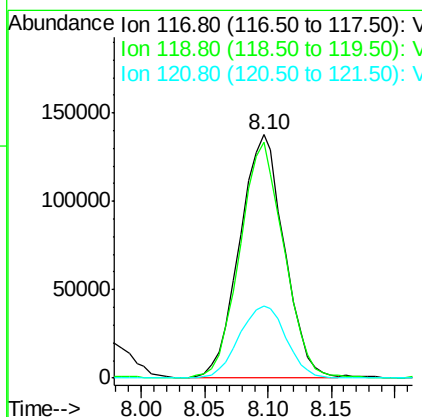
Manual Integrations
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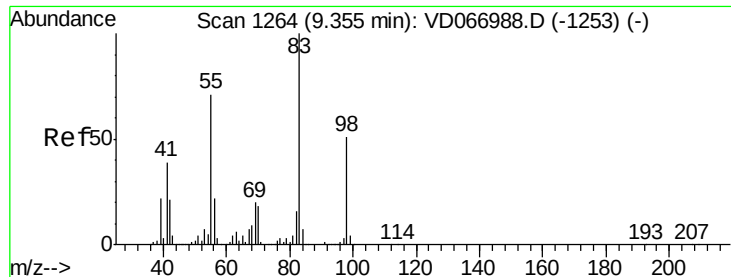
MMDadoda
10/2/2020 3:13:36 PM



#38
Carbon Tetrachloride
Concen: 47.599 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	78.7	118.1
121	29.8	24.2	36.2





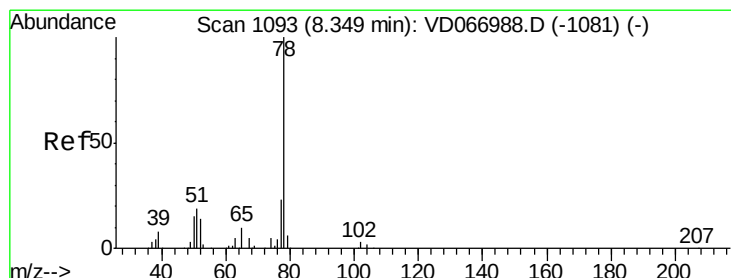
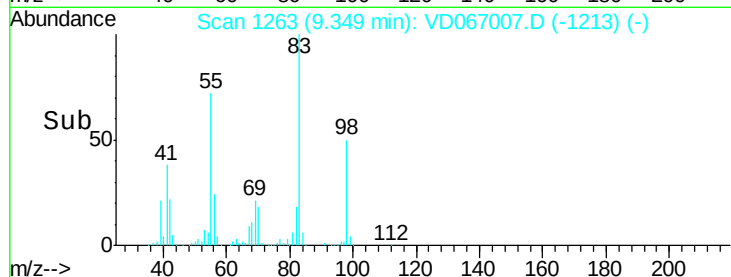
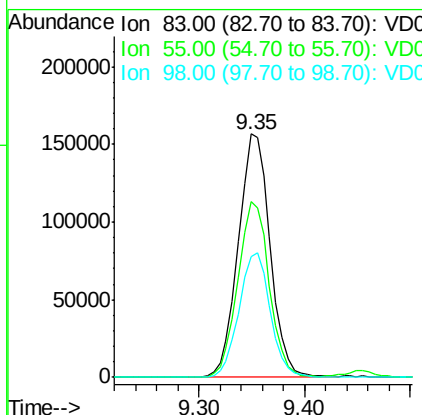
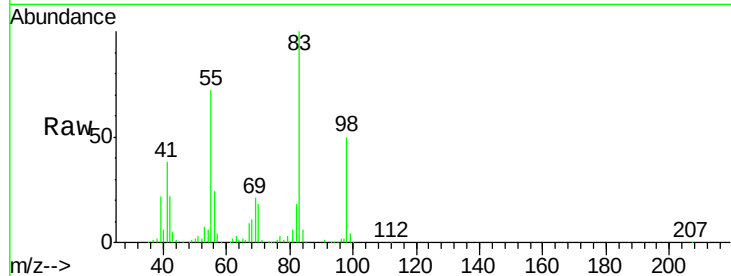
#39
Methylvlcyclohexane
Concen: 47.904 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.0	57.1	85.7
98	49.7	40.9	61.3

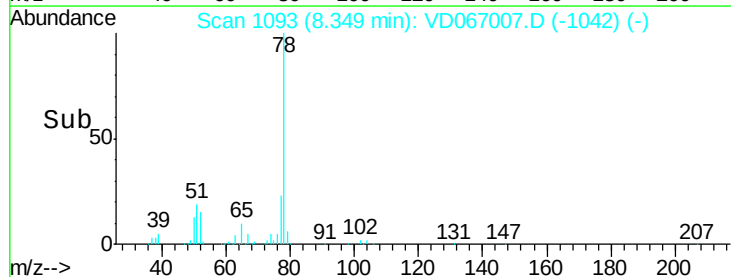
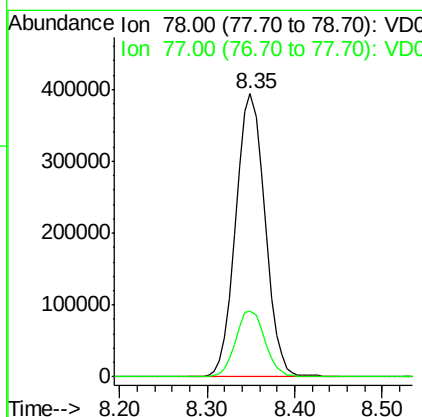
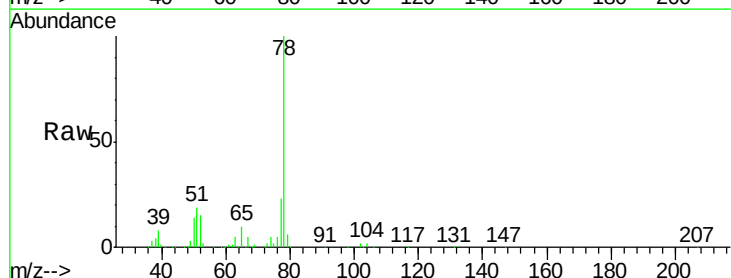
Manual Integrations
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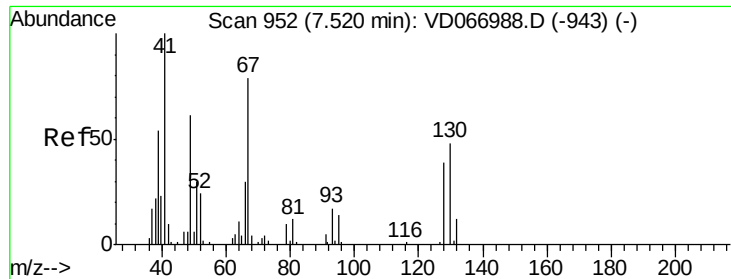
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10/2/2020 3:13:36 PM



#40
Benzene
Concen: 49.703 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.4	27.6





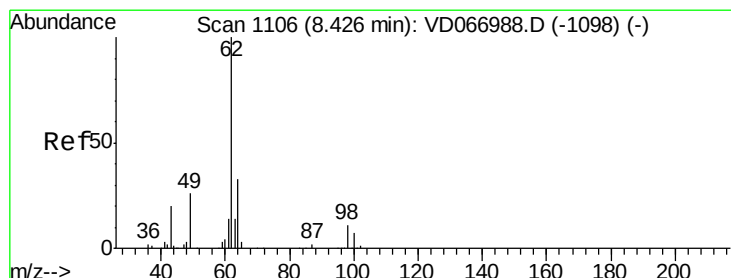
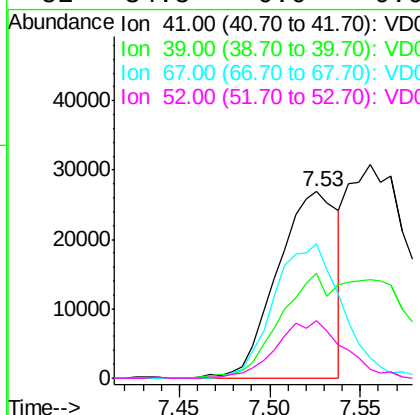
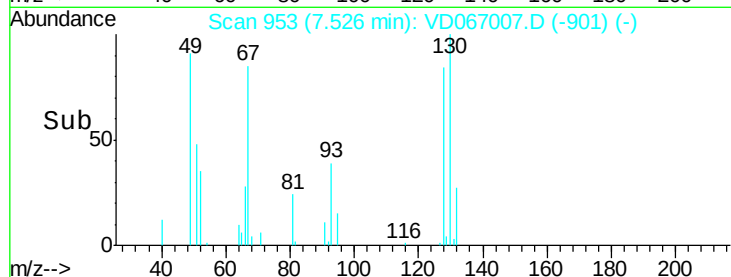
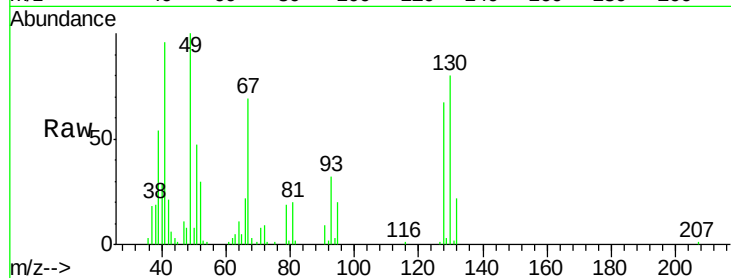
#41
Methacrylonitrile
Concen: 51.465 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.01 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	62339
Ion	Ratio	Lower	Upper
41	100		
39	45.0	0.0	0.0#
67	82.1	0.0	0.0#
52	34.5	0.0	0.0#

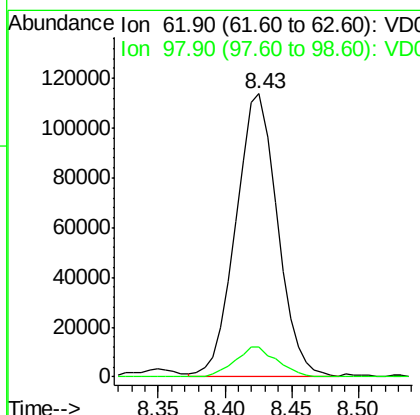
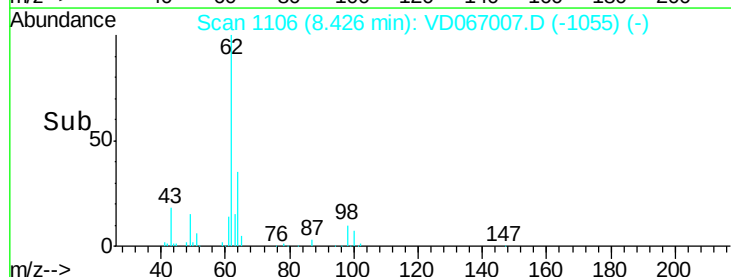
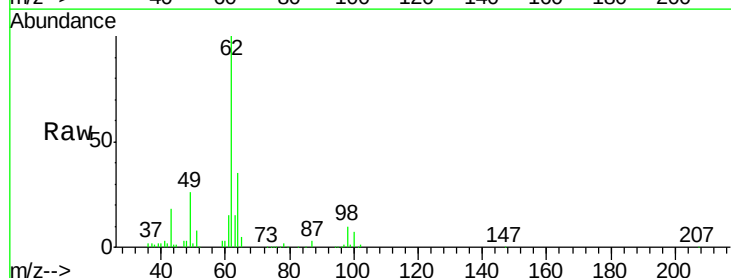
Manual Integrations
APPROVED

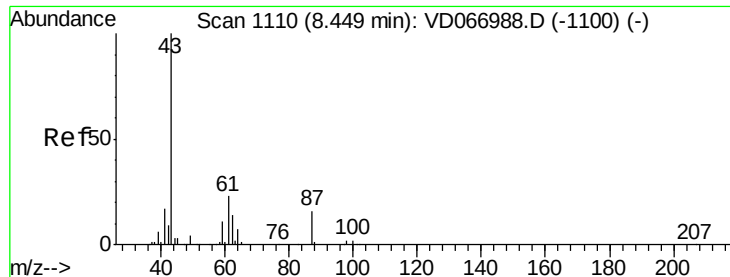
MMDadoda
10/2/2020 3:13:36 PM



#42
1,2-Dichloroethane
Concen: 48.808 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Tgt Ion	62	Resp	245178
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	22.6





#43

Isopropyl Acetate

Concen: 49.158 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD067007.D

Acq: 01 Oct 2020 22:46

Instrument :

MSVOA_D

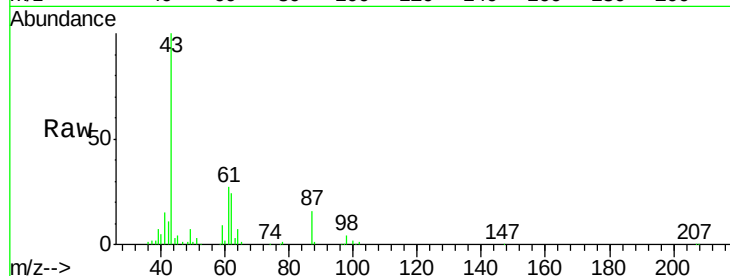
ClientSampleId :

VSTDCCC050

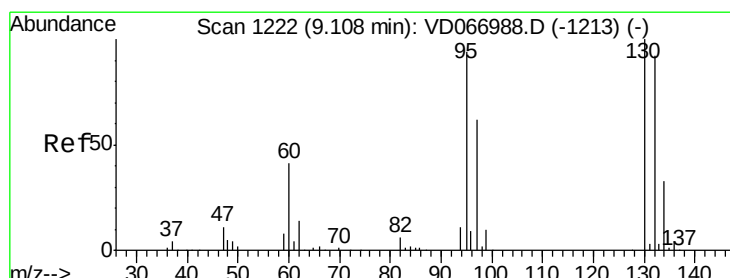
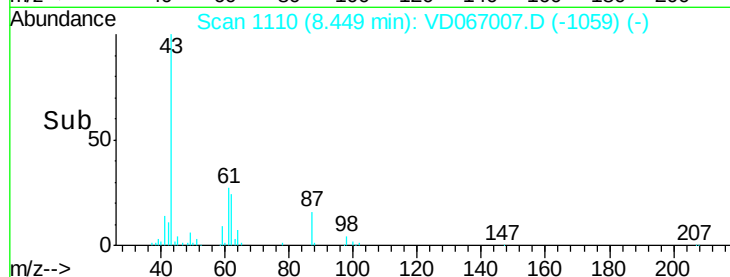
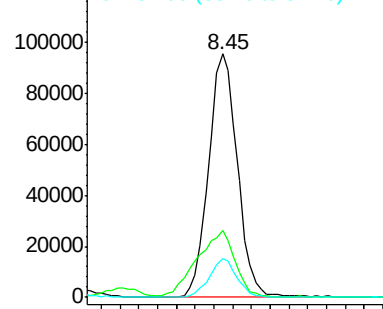
Tot Ion:	43	Resp:	203048
Ion	Ratio	Lower	Upper
43	100		
61	36.3	27.1	40.7
87	15.1	12.3	18.5

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10/2/2020 3:13:36 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 48.933 ug/l

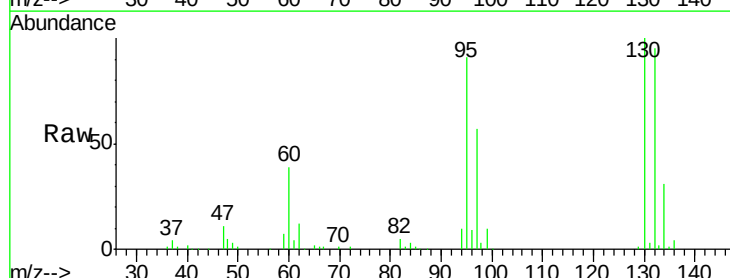
RT: 9.11 min Scan# 1222

Delta R.T. -0.00 min

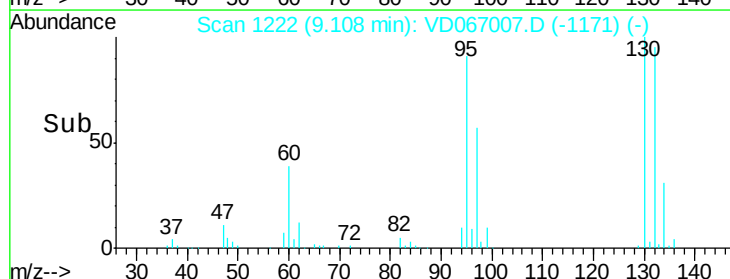
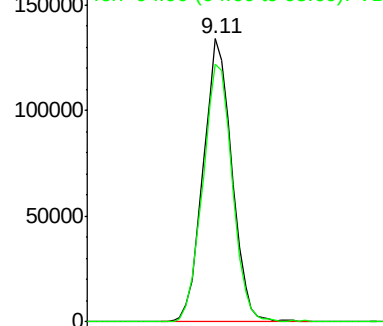
Lab File: VD067007.D

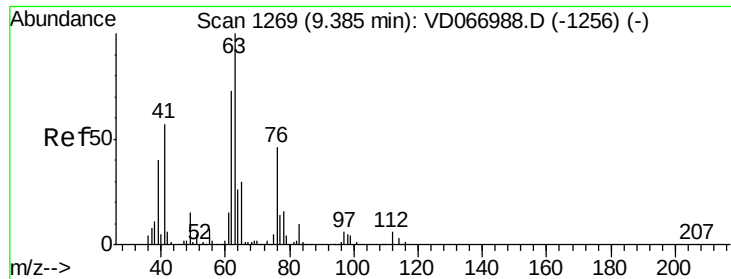
Acq: 01 Oct 2020 22:46

Tgt Ion:	130	Resp:	262673
Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	187.8



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





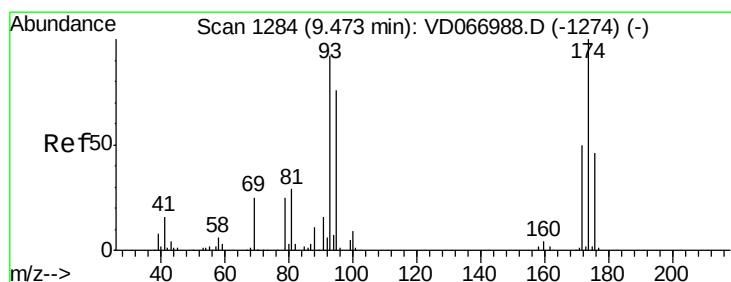
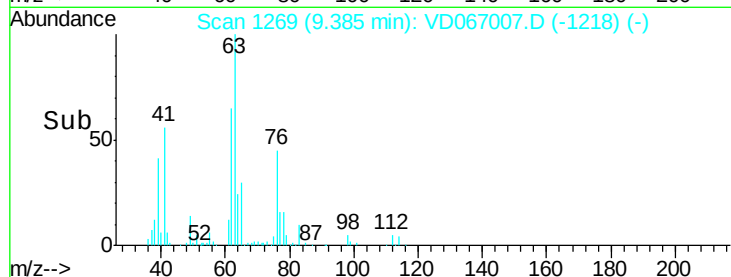
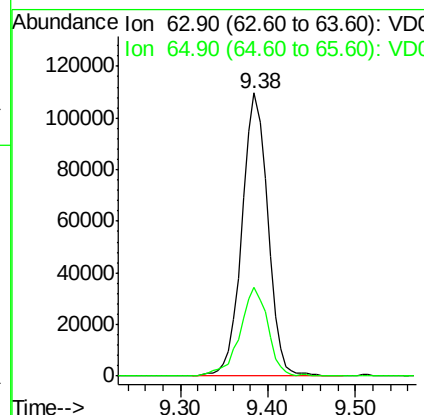
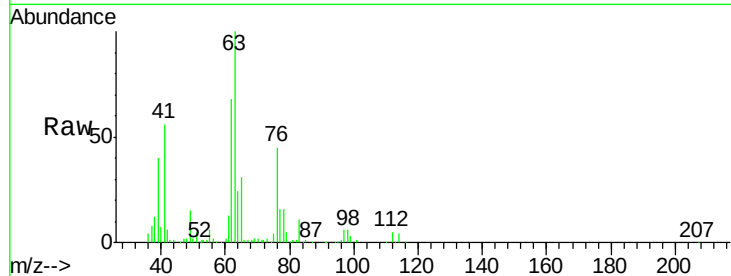
#45
 1,2-Dichloropropane
 Concen: 51.885 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD067007.D
 Acq: 01 Oct 2020 22:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	23.7	35.5

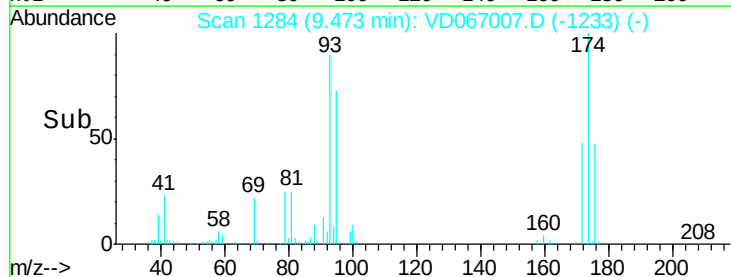
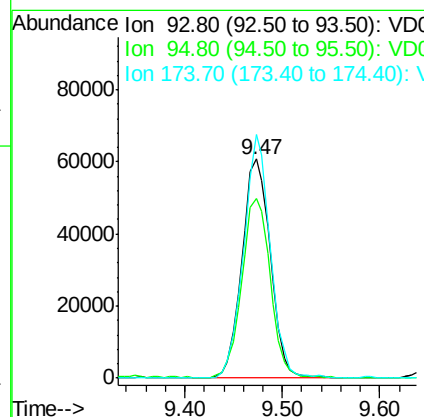
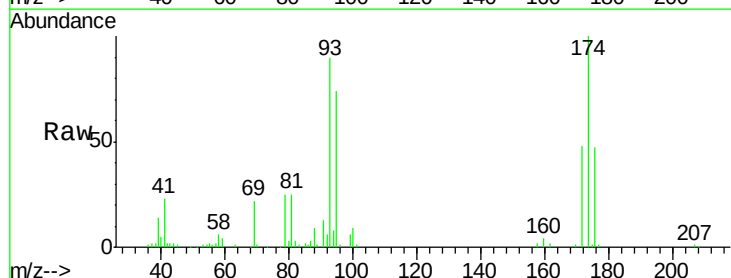
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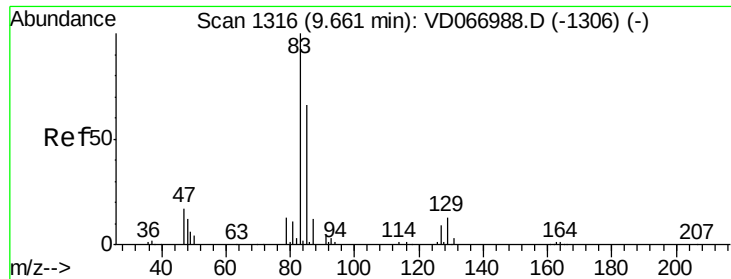
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#46
 Dibromomethane
 Concen: 51.129 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD067007.D
 Acq: 01 Oct 2020 22:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	64.7	97.1
174	103.8	81.4	122.2





#47

Bromodichloromethane

Concen: 50.612 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD067007.D

Acq: 01 Oct 2020 22:46

Instrument :

MSVOA_D

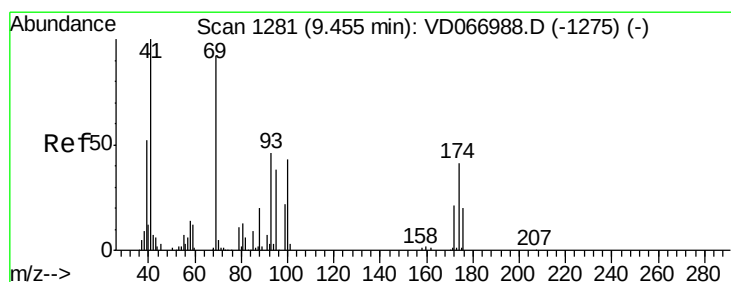
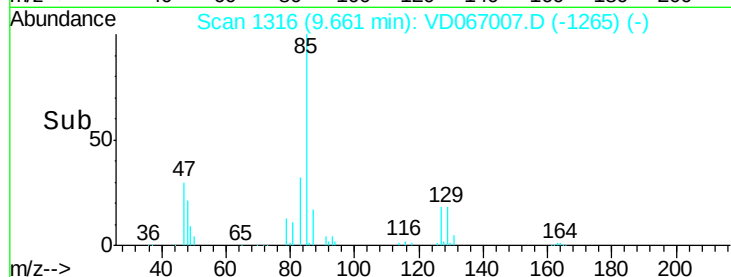
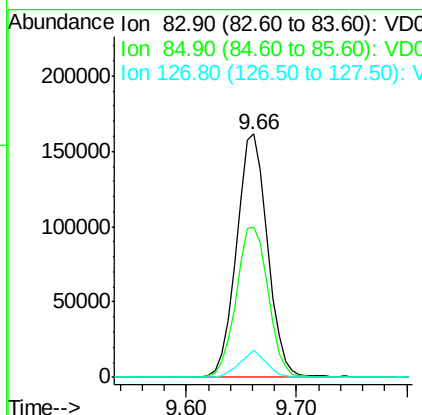
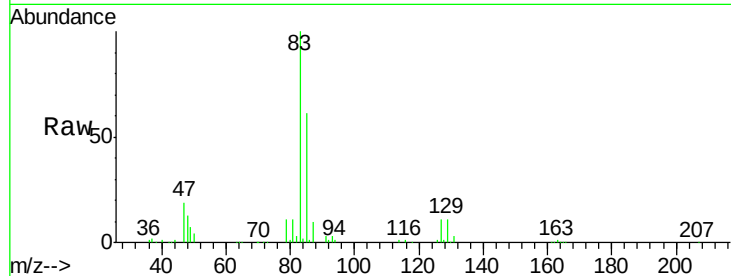
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	319391
Ion Ratio	Lower	Upper	
83	100		
85	61.5	52.9	79.3
127	11.2	7.3	10.9#

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#48

Methyl methacrylate

Concen: 47.107 ug/l

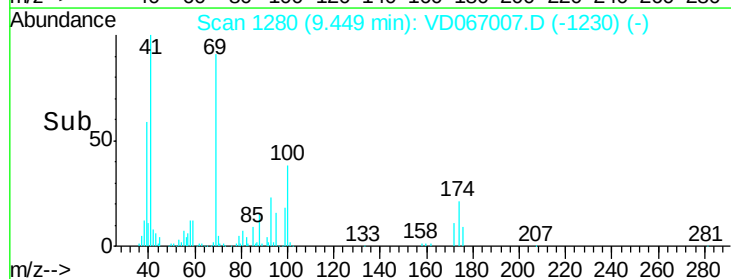
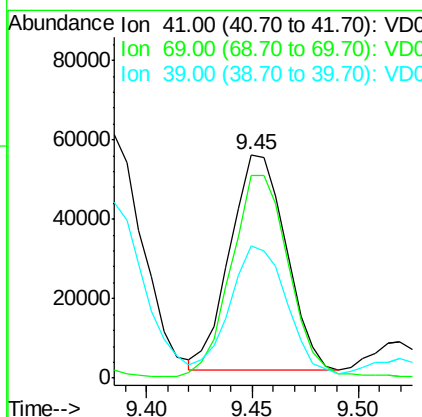
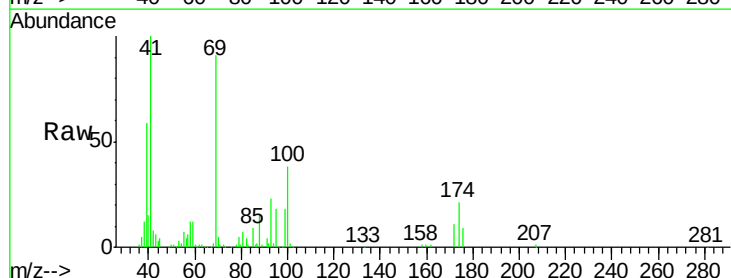
RT: 9.45 min Scan# 1280

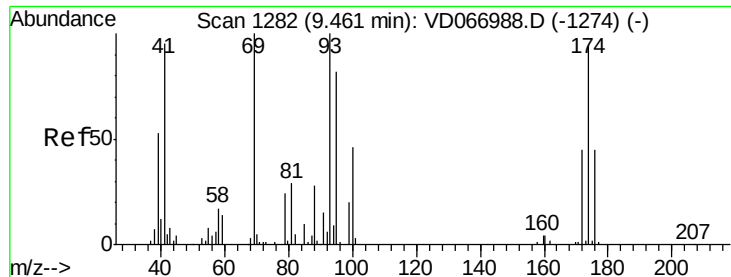
Delta R.T. -0.01 min

Lab File: VD067007.D

Acq: 01 Oct 2020 22:46

Tgt Ion:	41	Resp:	99683
Ion Ratio	Lower	Upper	
41	100		
69	98.8	68.5	102.7
39	63.8	40.2	60.2#





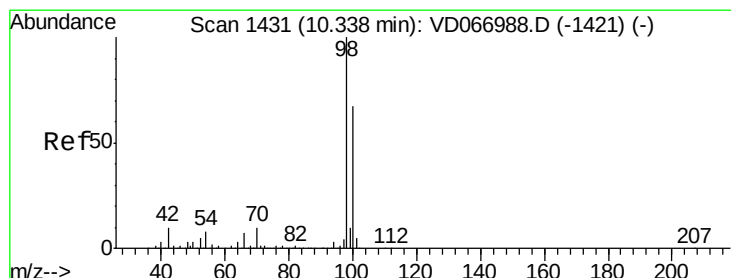
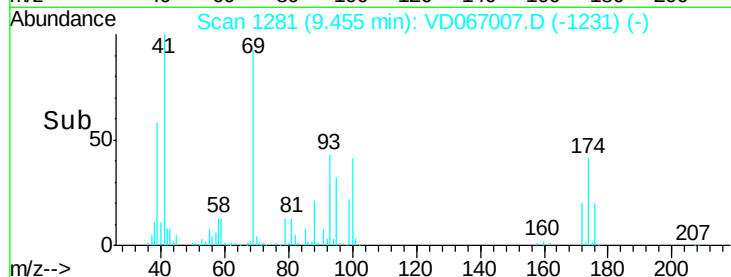
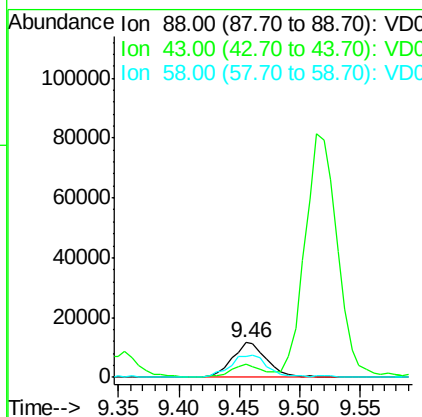
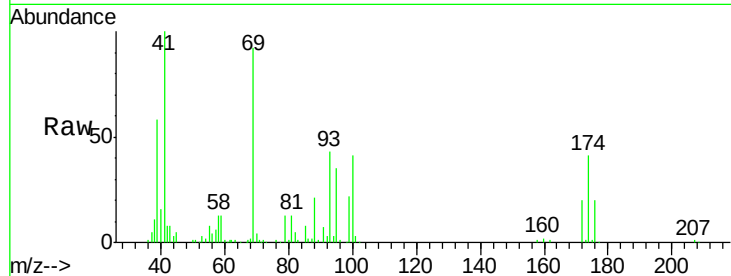
#49
1,4-Dioxane
Concen: 917.312 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	23242
Ion	Ratio	Lower	Upper
88	100		
43	31.4	25.6	38.4
58	70.3	53.5	80.3

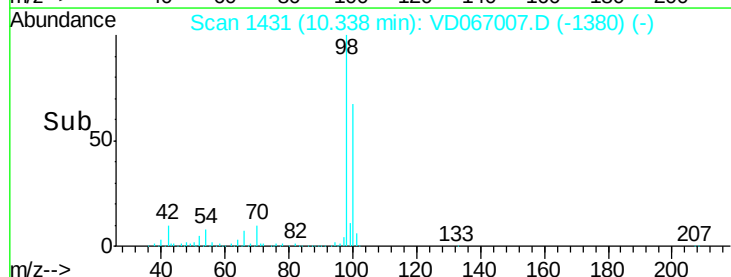
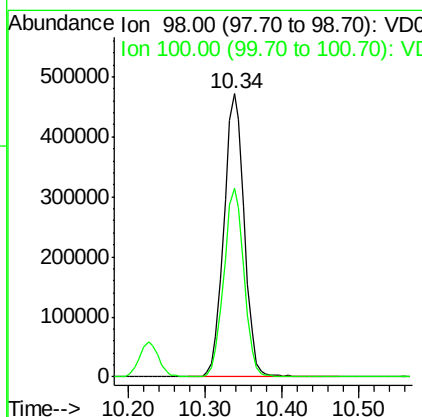
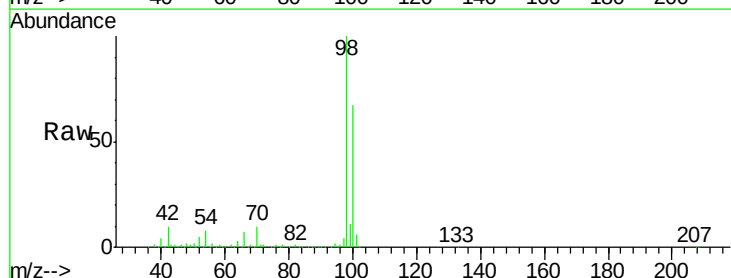
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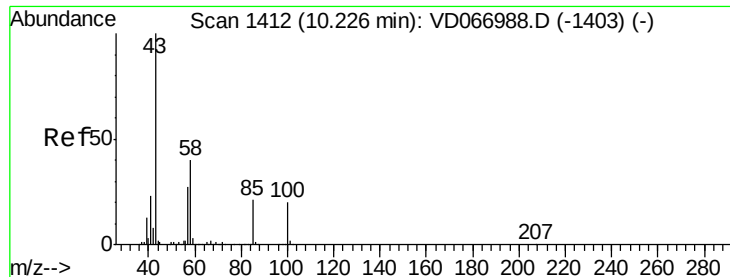
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#50
Toluene-d8
Concen: 52.286 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Tgt Ion	98	Resp	866089
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.8	79.2





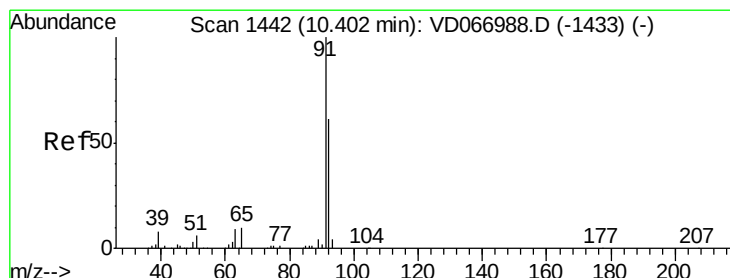
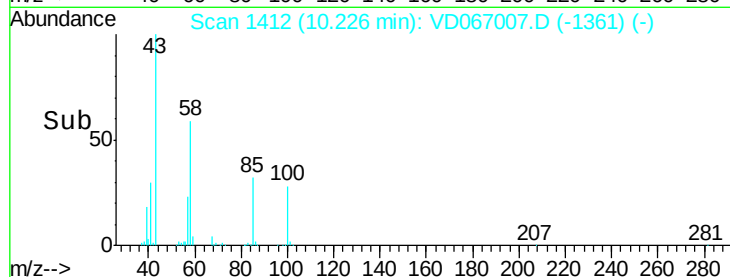
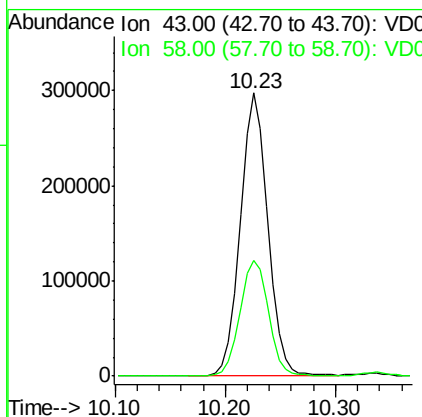
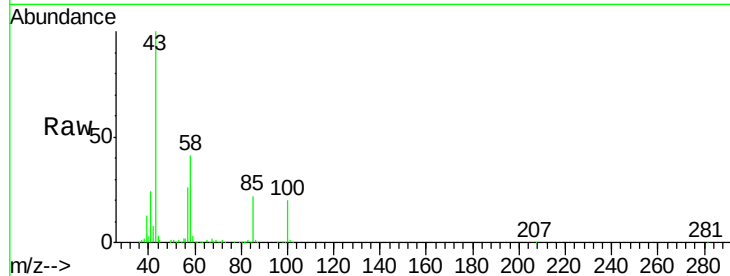
#51
4-Methyl-2-Pentanone
Concen: 254.111 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.5	33.8	50.8

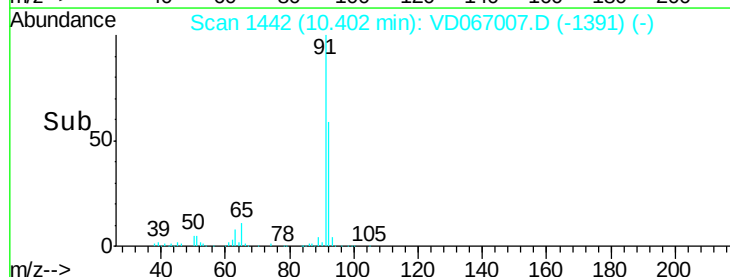
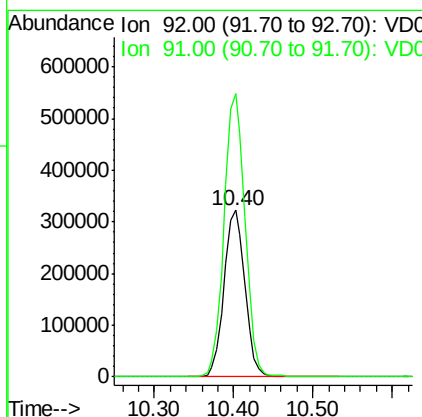
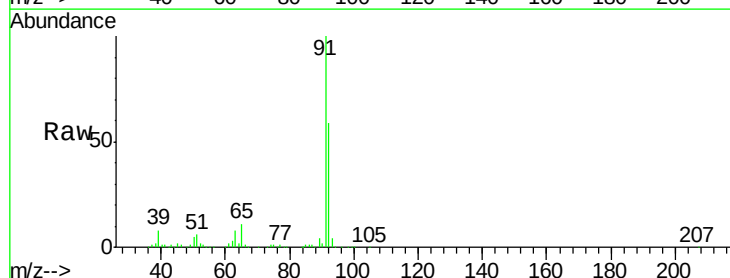
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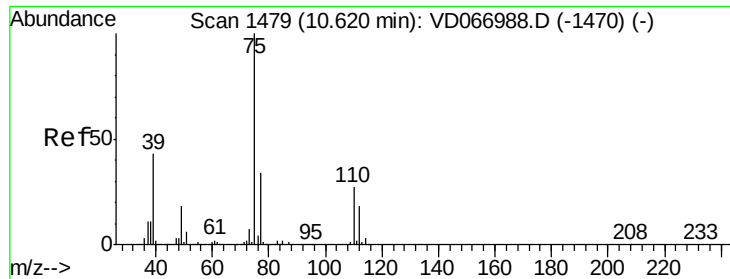
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10/2/2020 3:13:36 PM



#52
Toluene
Concen: 50.835 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.5	135.1	202.7





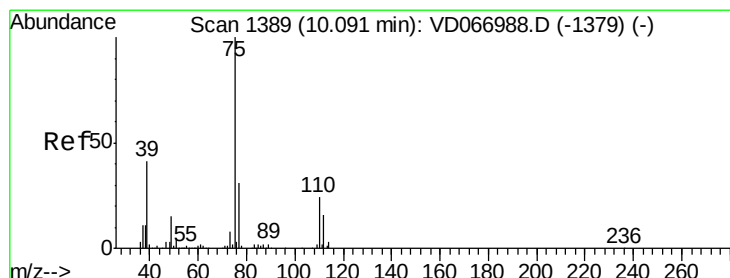
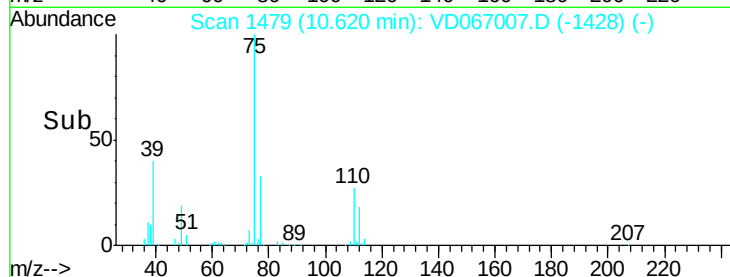
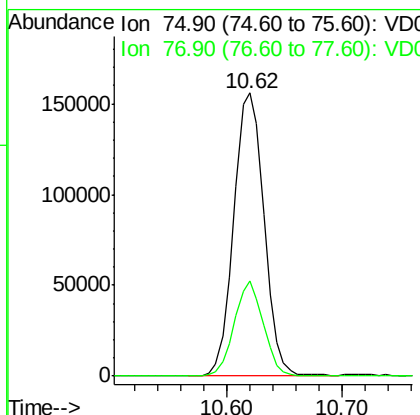
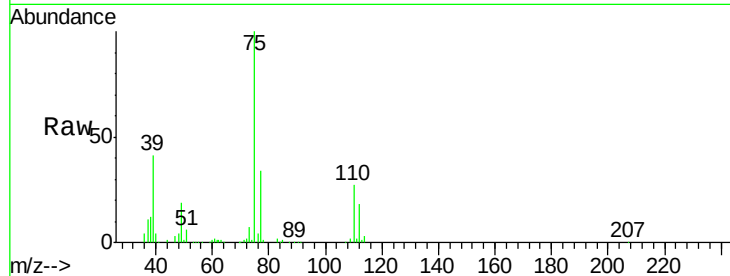
#53
 t-1,3-Dichloropropene
 Concen: 50.344 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD067007.D
 Acq: 01 Oct 2020 22:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 283939
 Ion Ratio Lower Upper
 75 100
 77 33.6 27.1 40.7

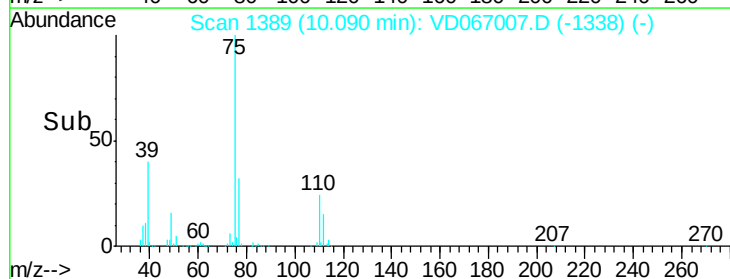
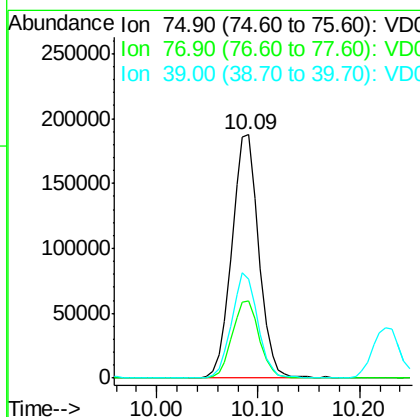
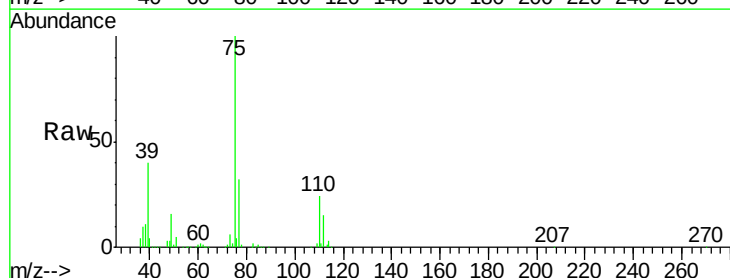
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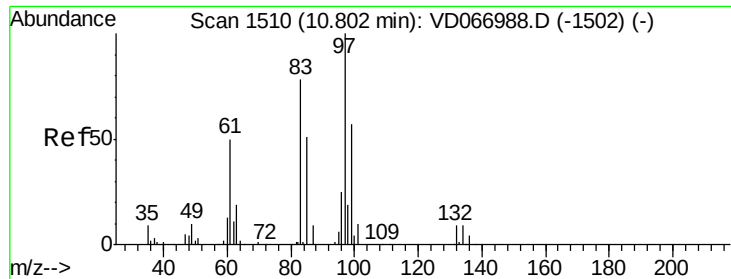
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#54
 cis-1,3-Dichloropropene
 Concen: 50.266 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD067007.D
 Acq: 01 Oct 2020 22:46

Tgt Ion: 75 Resp: 346186
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.6 37.0
 39 40.5 33.0 49.4





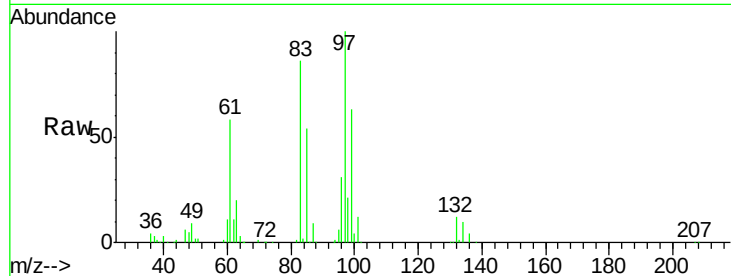
#55
 1,1,2-Trichloroethane
 Concen: 48.803 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD067007.D
 Acq: 01 Oct 2020 22:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

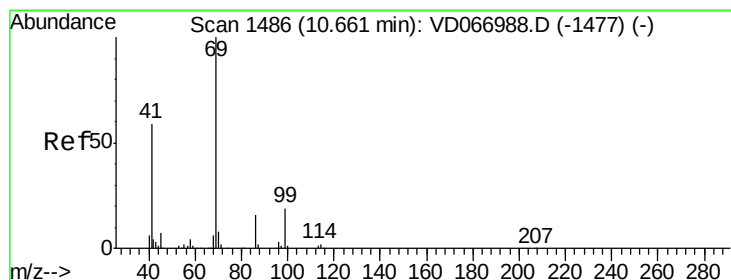
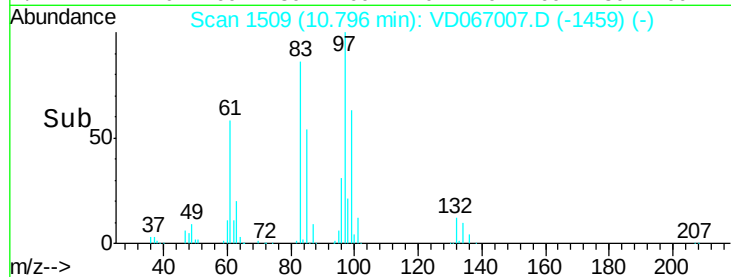
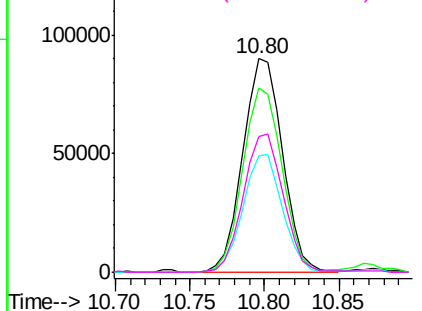
Tot Ion:	97	Resp:	164718
Ion	Ratio	Lower	Upper
97	100		
83	86.6	62.4	93.6
85	54.5	41.0	61.4
99	63.4	45.9	68.9

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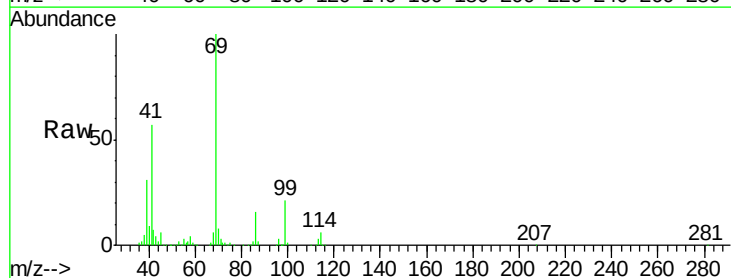


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

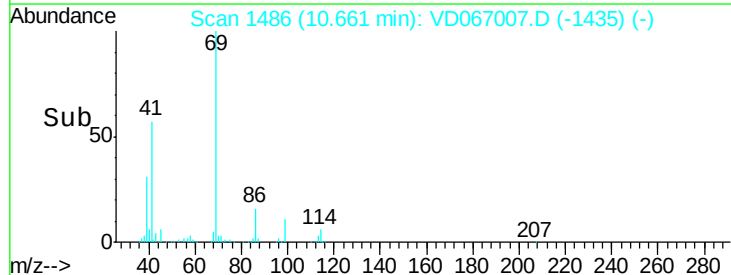
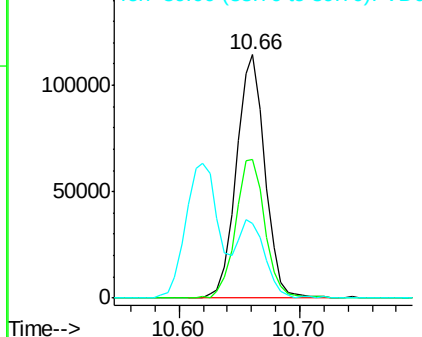


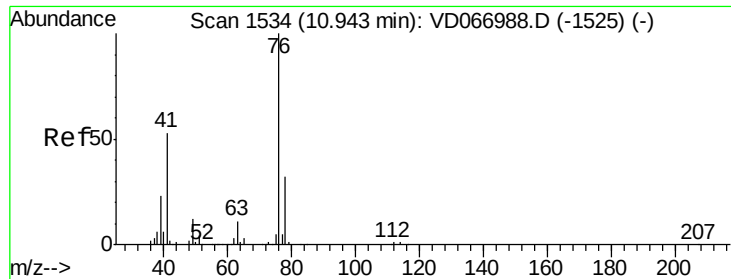
#56
 Ethyl methacrylate
 Concen: 54.155 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD067007.D
 Acq: 01 Oct 2020 22:46

Tgt Ion:	69	Resp:	188713
Ion	Ratio	Lower	Upper
69	100		
41	57.8	46.4	69.6
39	29.7	23.8	35.6



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





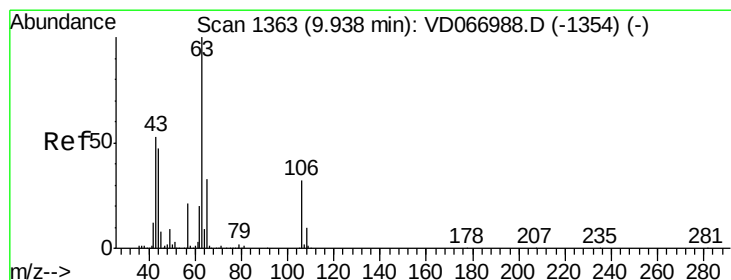
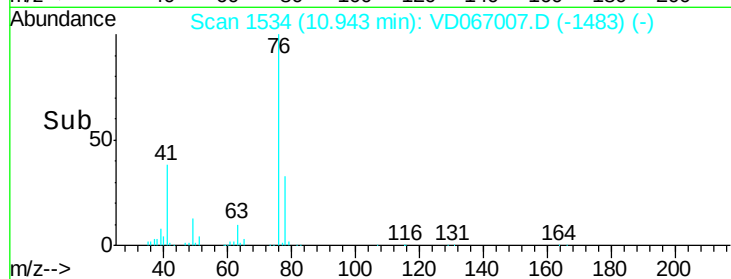
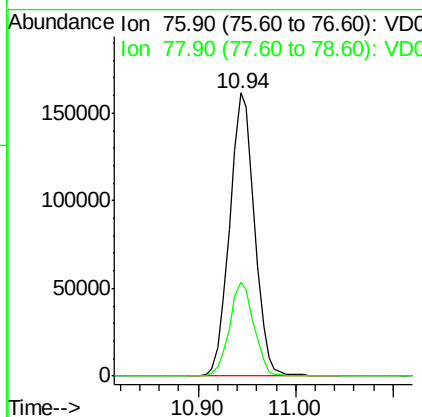
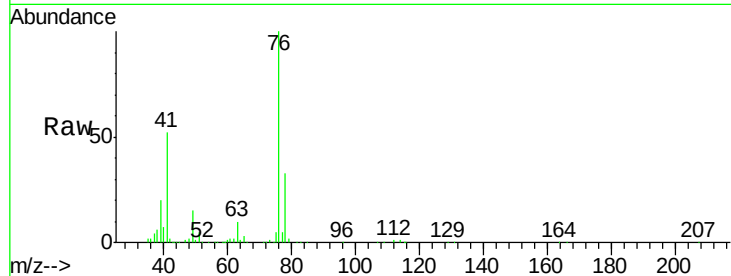
#57
 1,3-Dichloropropane
 Concen: 52.083 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD067007.D
 Acq: 01 Oct 2020 22:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.8

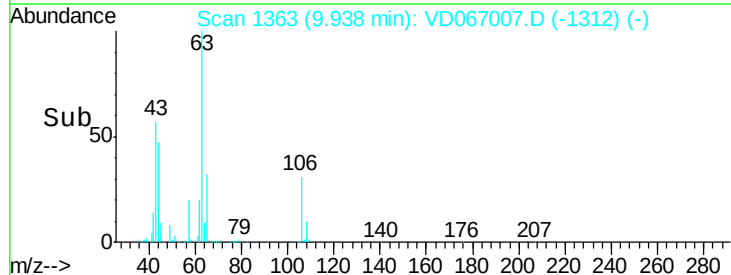
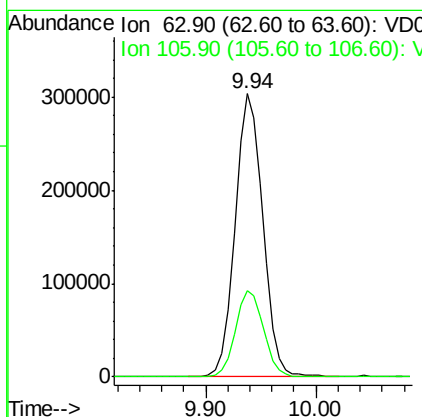
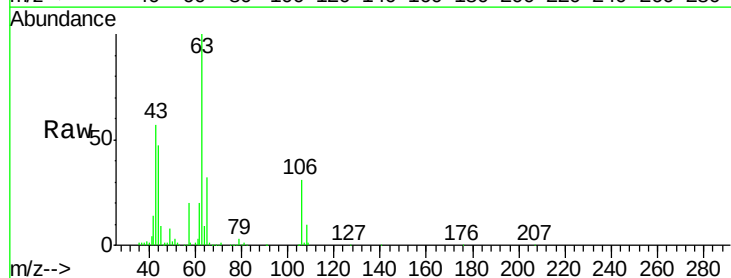
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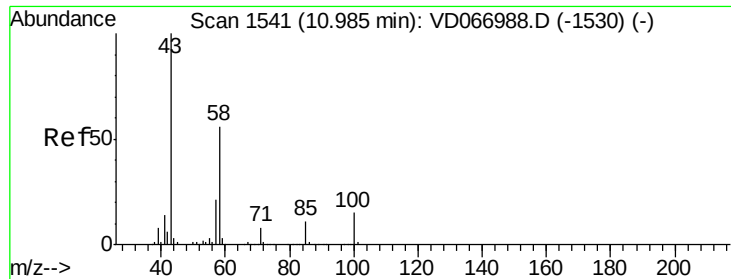
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 10/2/2020 3:13:36 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 276.005 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD067007.D
 Acq: 01 Oct 2020 22:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.8	25.3	37.9





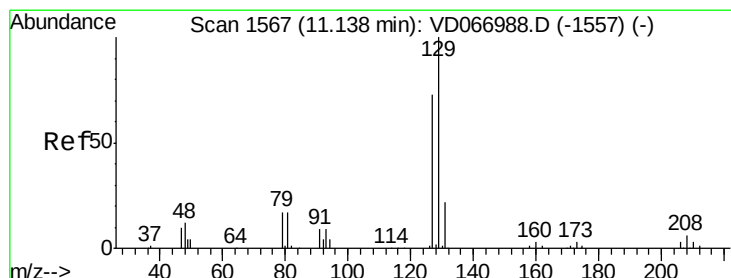
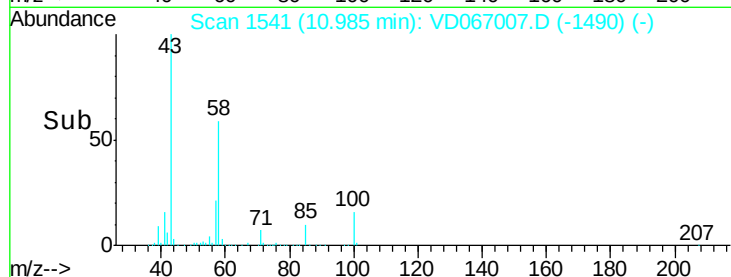
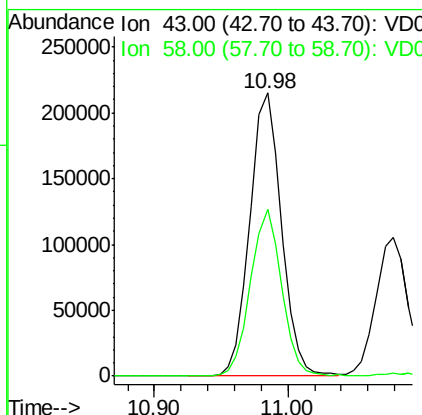
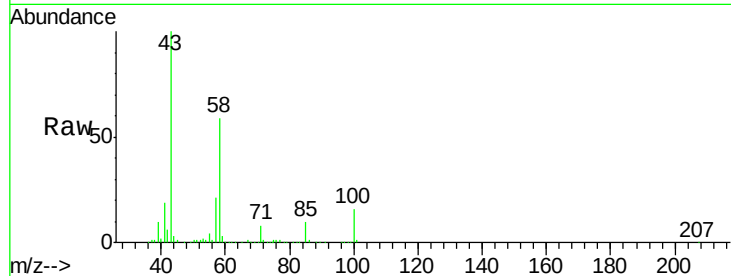
#59
2-Hexanone
Concen: 256.695 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 352490
Ion Ratio Lower Upper
43 100
58 58.0 28.3 84.9

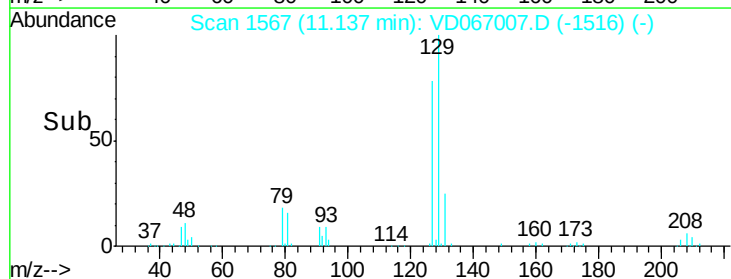
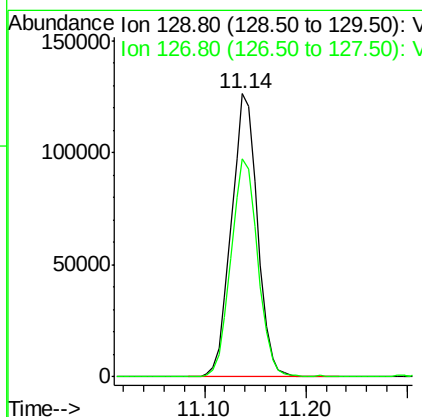
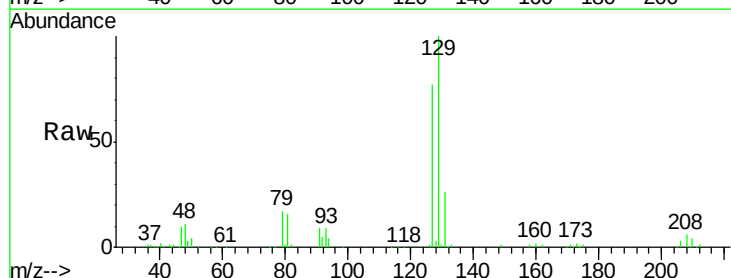
Manual Integrations
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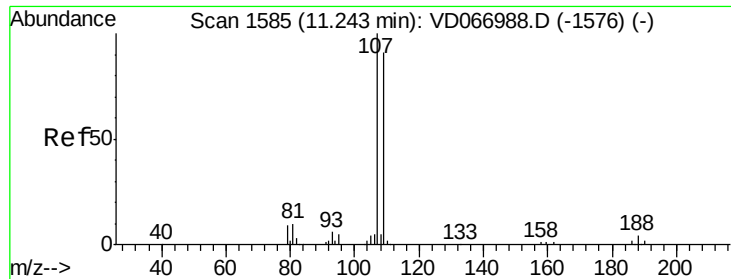
MMDadoda
10/2/2020 3:13:36 PM



#60
Dibromochloromethane
Concen: 50.244 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Tgt Ion: 129 Resp: 226027
Ion Ratio Lower Upper
129 100
127 79.0 37.4 112.1





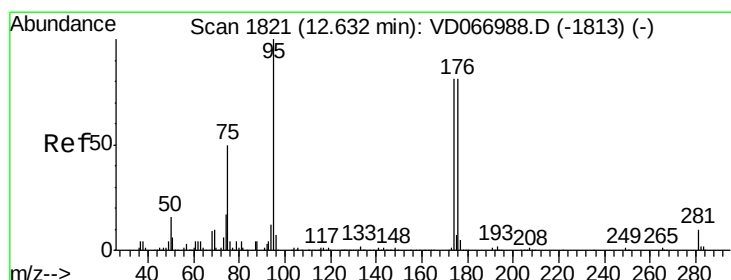
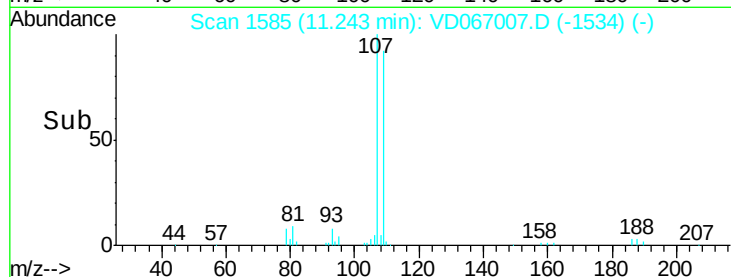
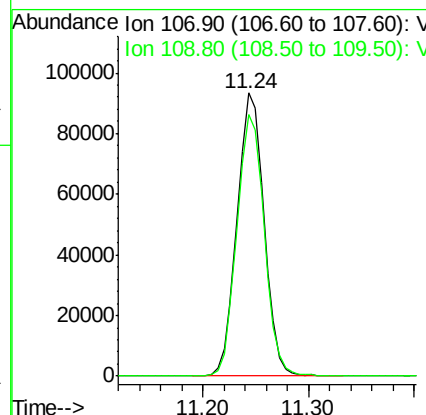
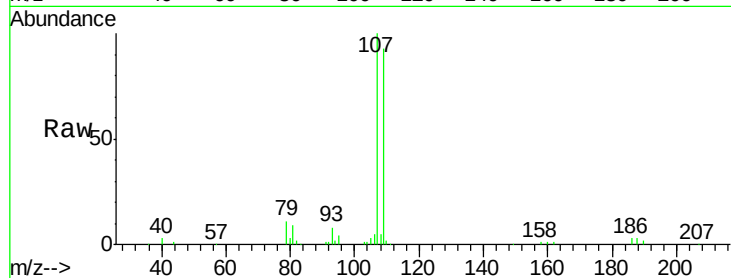
#61
 1,2-Dibromoethane
 Concen: 50.880 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD067007.D
 Acq: 01 Oct 2020 22:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	74.0	111.0

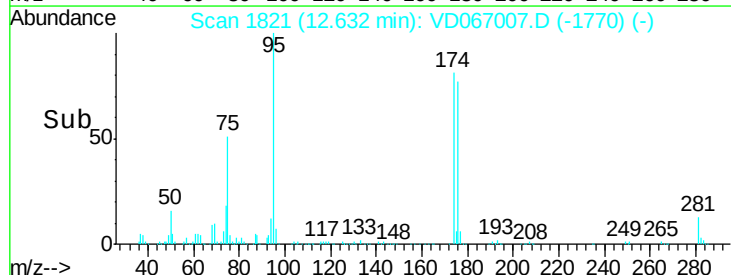
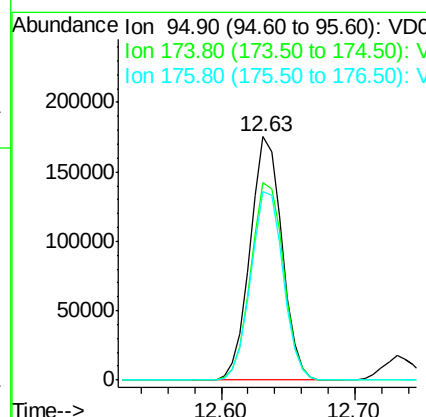
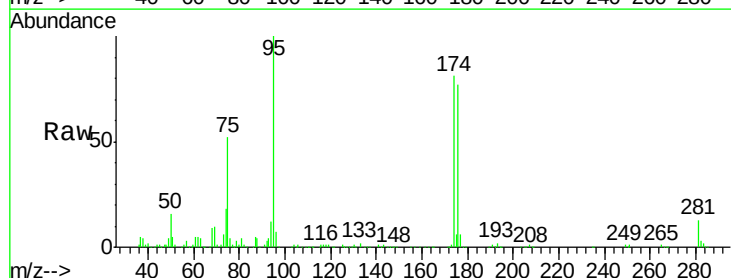
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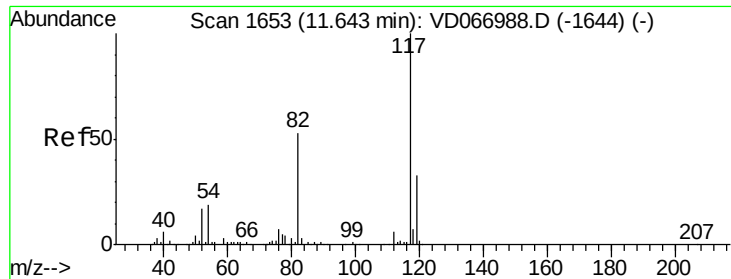
MMDadoda
 10/2/2020 3:13:36 PM



#62
 4-Bromofluorobenzene
 Concen: 51.208 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD067007.D
 Acq: 01 Oct 2020 22:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	167.6
176	78.9	0.0	162.4





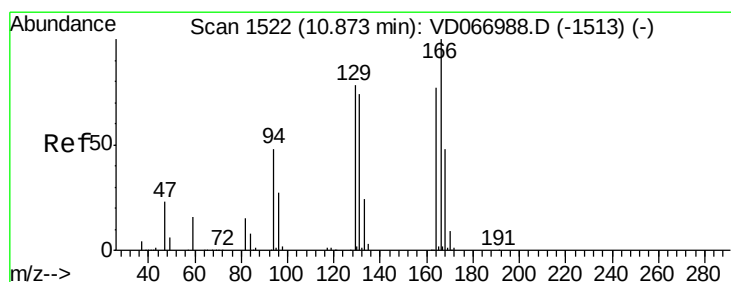
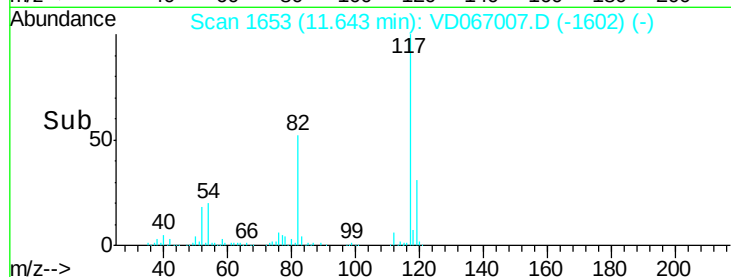
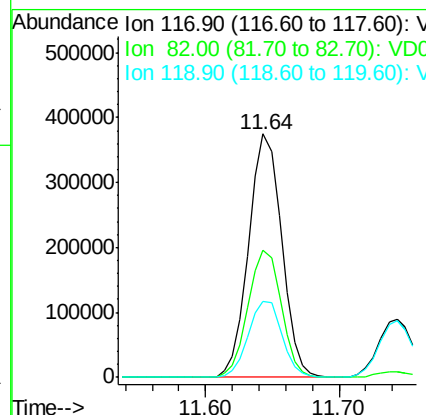
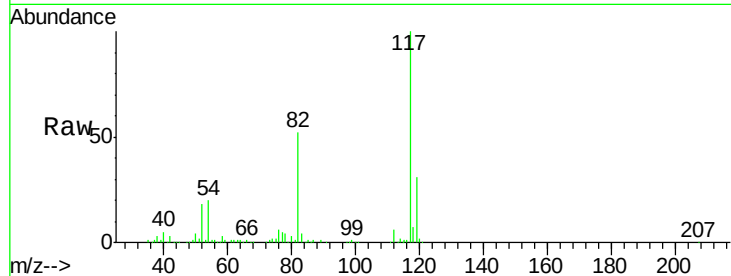
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.6	63.8
119	31.4	26.3	39.5

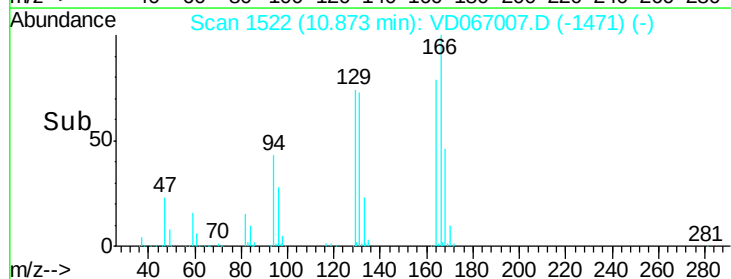
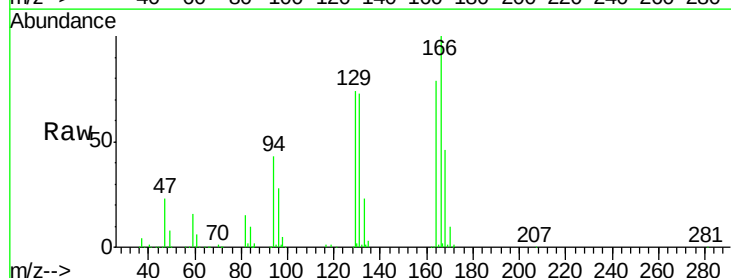
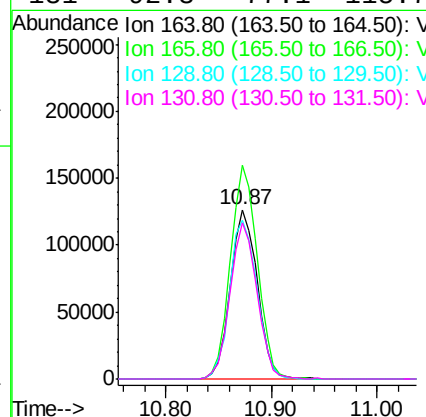
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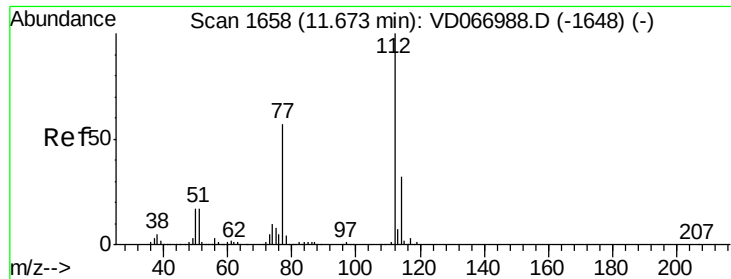
MMDadoda
10/2/2020 3:13:36 PM



#64
Tetrachloroethene
Concen: 47.722 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	104.4	156.6
129	93.4	81.3	121.9
131	92.3	77.1	115.7





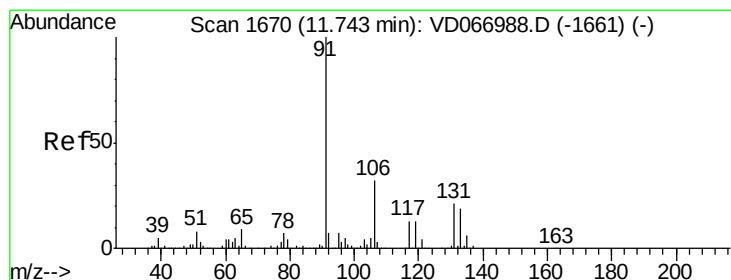
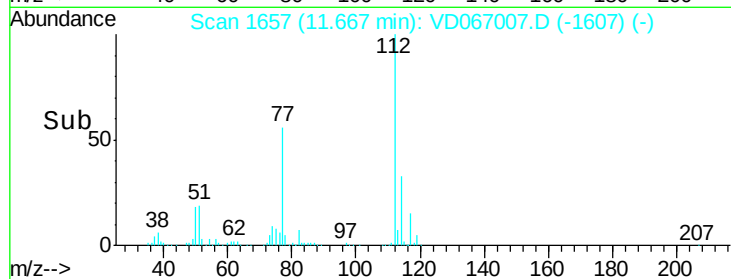
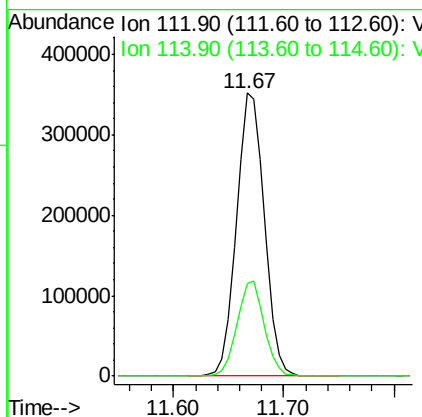
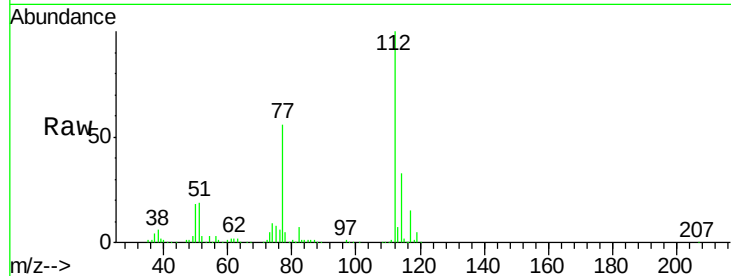
#65
Chlorobenzene
Concen: 49.003 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.4	38.0

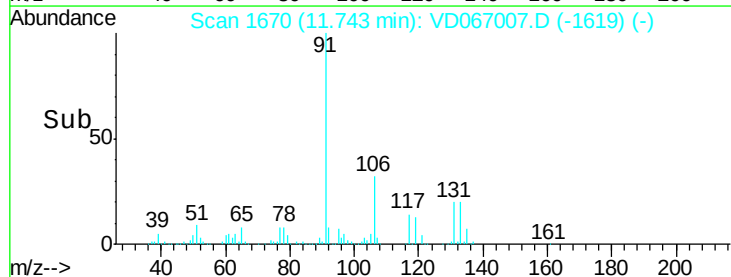
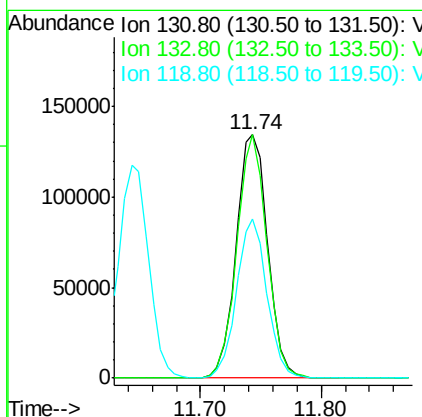
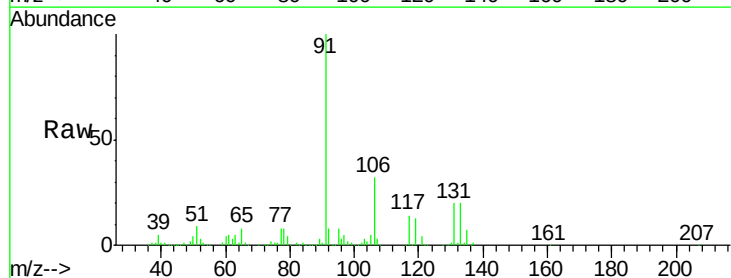
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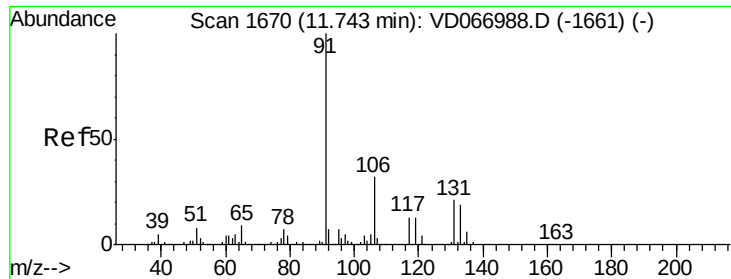
MMDadoda
10/2/2020 3:13:36 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.263 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.8	143.3
119	63.1	32.3	96.8





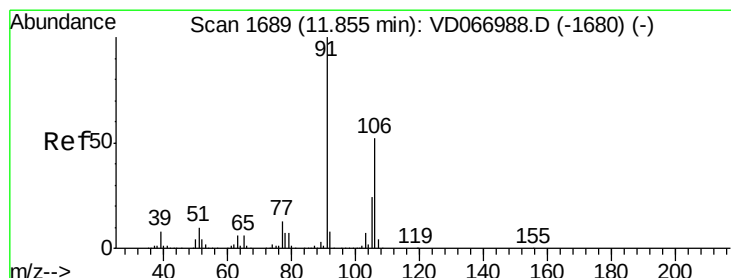
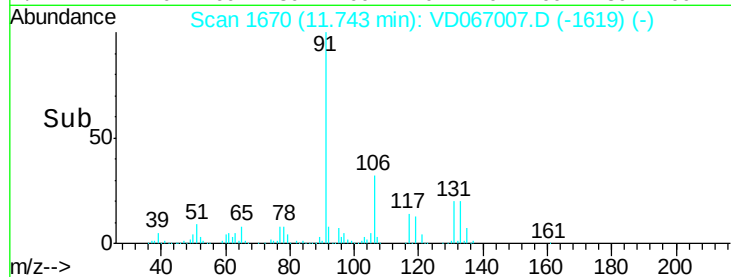
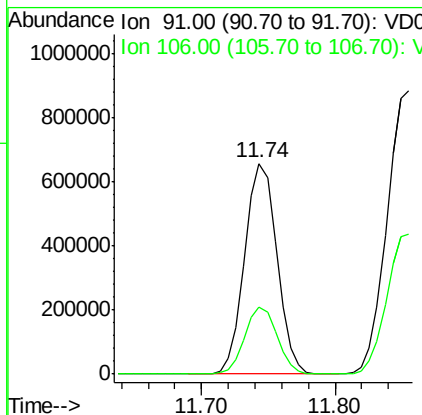
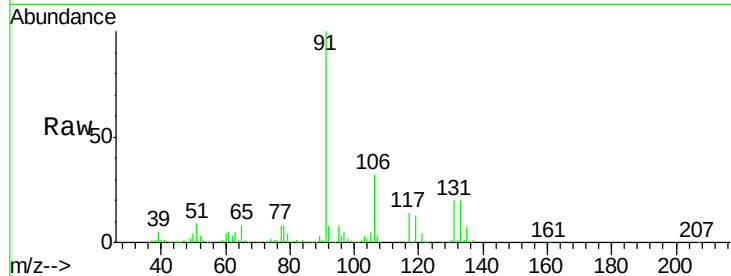
#67
Ethyl Benzene
Concen: 50.500 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1103618
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.2

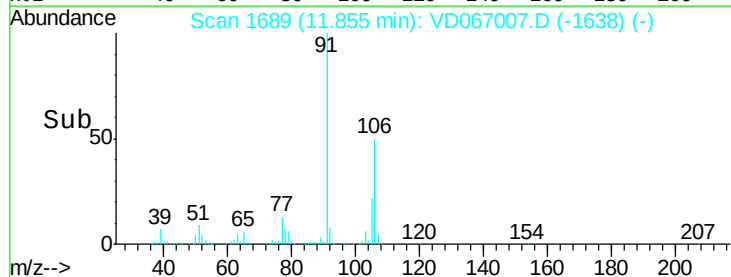
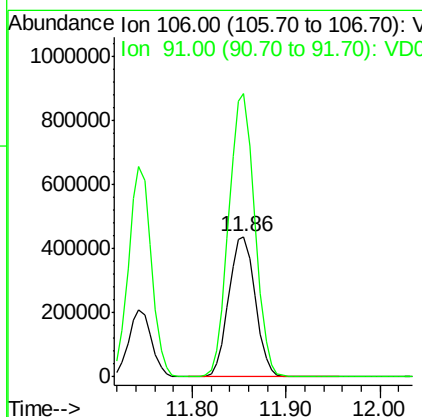
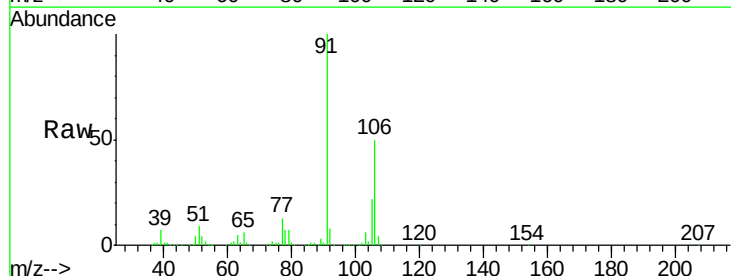
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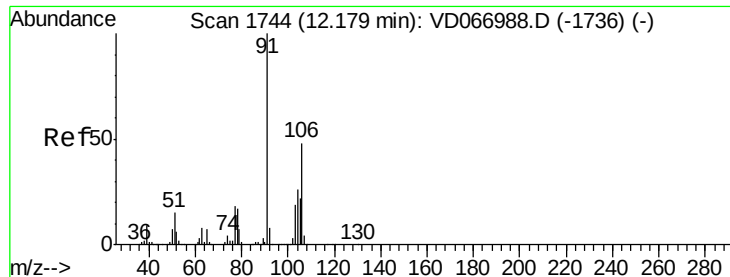
MMDadoda
10/2/2020 3:13:36 PM



#68
m/p-Xylenes
Concen: 100.710 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Tgt Ion: 106 Resp: 857732
Ion Ratio Lower Upper
106 100
91 198.2 158.4 237.6





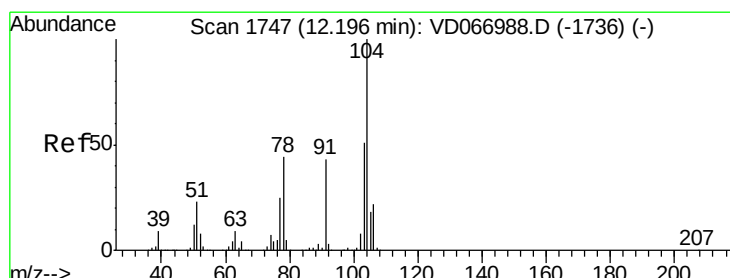
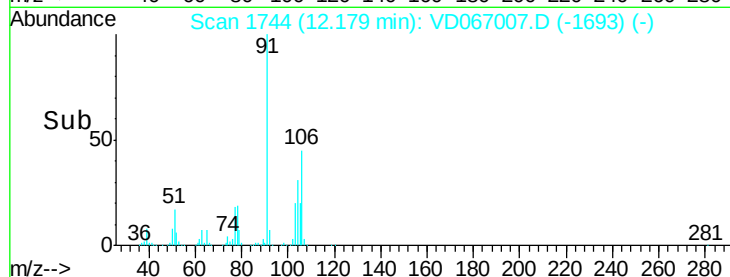
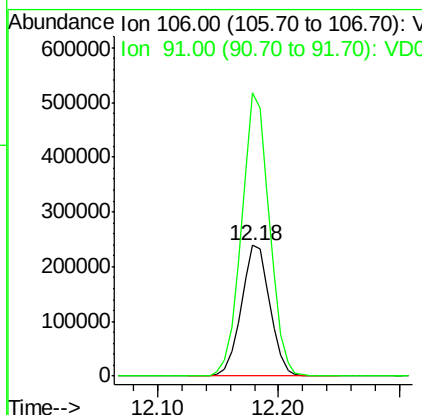
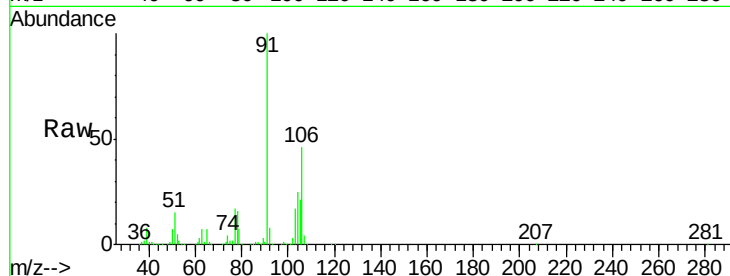
#69
o-Xylene
Concen: 51.936 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	210.7	102.4	307.2	

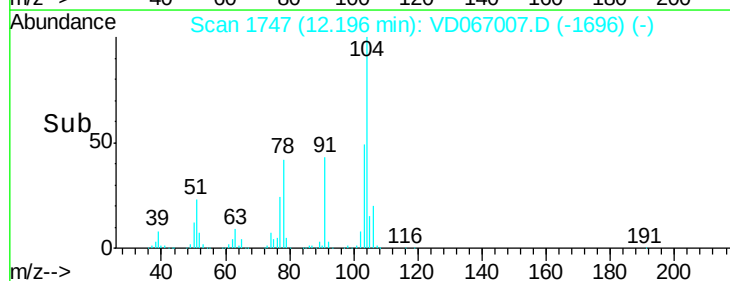
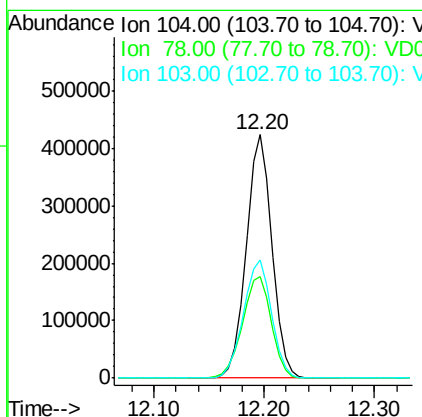
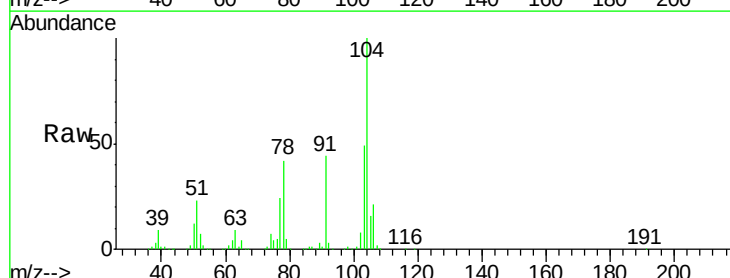
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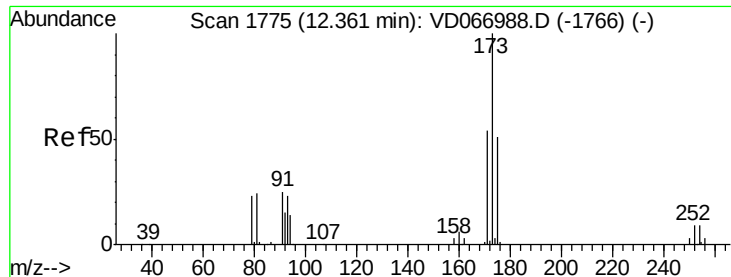
MMDadoda
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#70
Styrene
Concen: 52.954 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.1	38.6	58.0	
103	53.3	43.4	65.0	





#71

Bromoform

Concen: 49.800 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD067007.D

Acq: 01 Oct 2020 22:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 125418

Ion Ratio Lower Upper

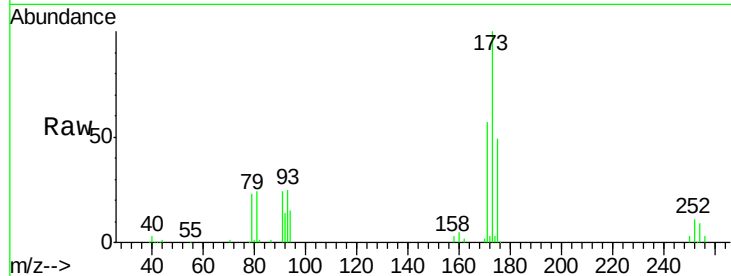
173 100

175 48.4 24.9 74.7

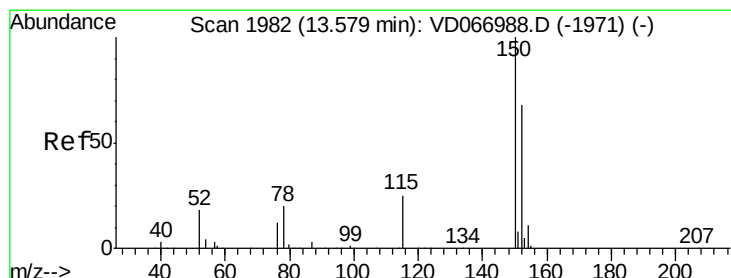
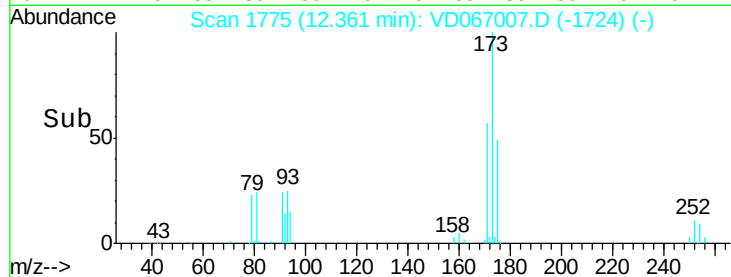
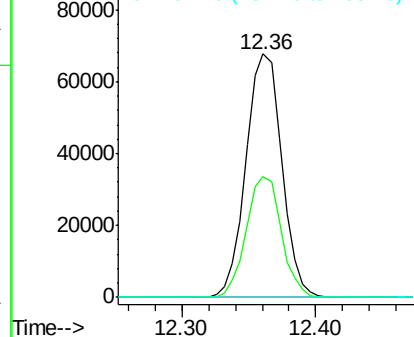
254 0.0 0.2 0.4#

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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: VD067007.D

Acq: 01 Oct 2020 22:46

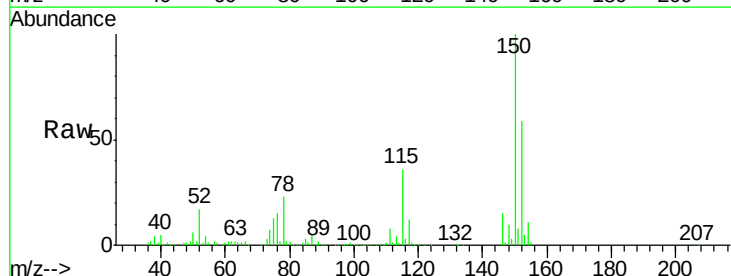
Tgt Ion:152 Resp: 300888

Ion Ratio Lower Upper

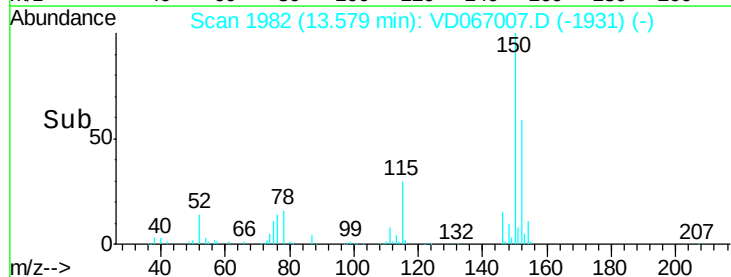
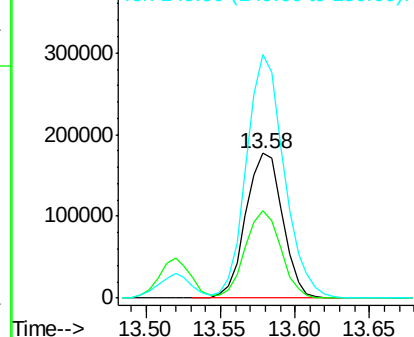
152 100

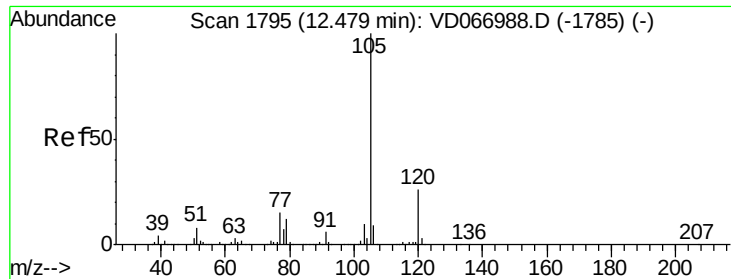
115 58.4 29.6 88.8

150 173.2 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





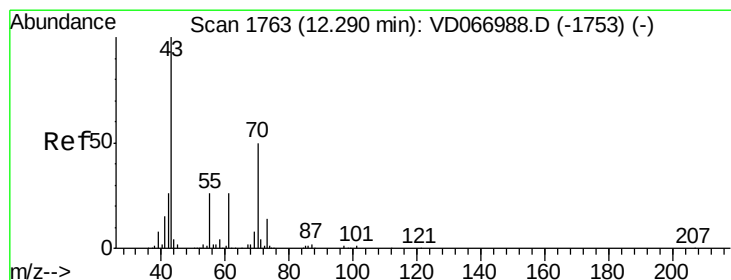
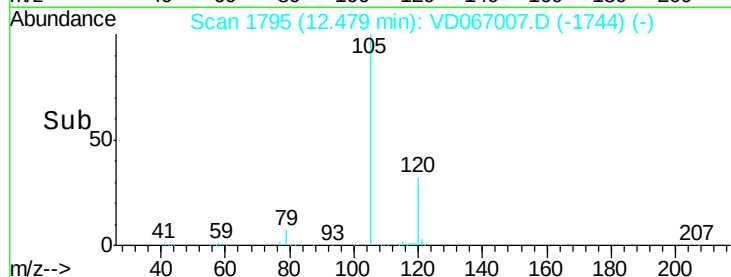
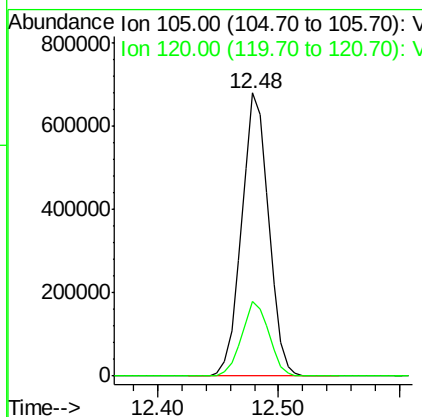
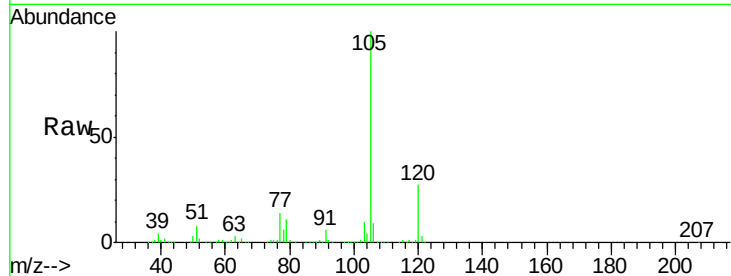
#73
Isopropylbenzene
Concen: 51.976 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 1061901
Ion Ratio Lower Upper
105 100
120 26.6 13.3 39.9

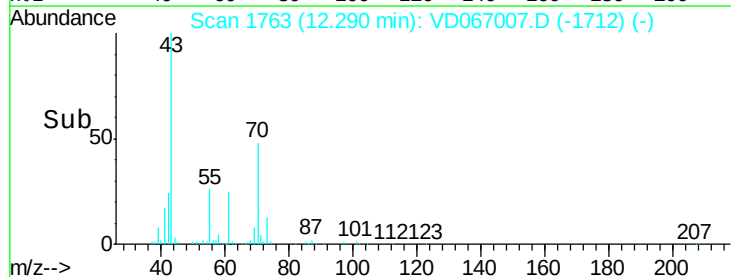
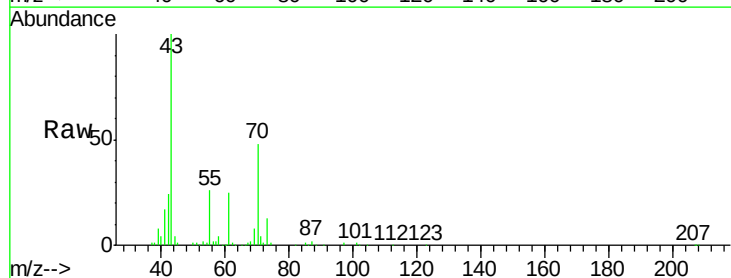
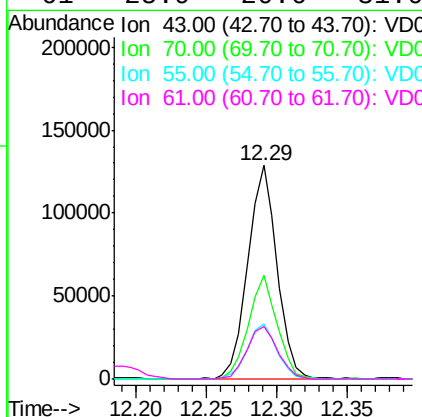
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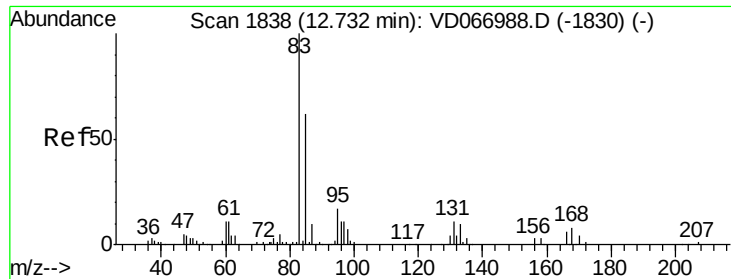
MMDadoda
10/2/2020 3:13:36 PM



#74
N-ethyl acetate
Concen: 50.910 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Tgt Ion: 43 Resp: 186980
Ion Ratio Lower Upper
43 100
70 47.6 38.2 57.2
55 26.1 22.4 33.6
61 25.9 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.239 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD067007.D

Acq: 01 Oct 2020 22:46

Instrument :

MSVOA_D

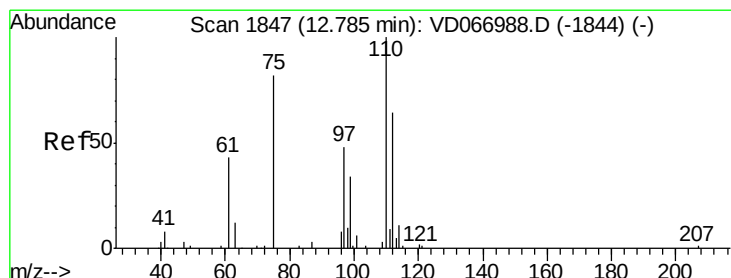
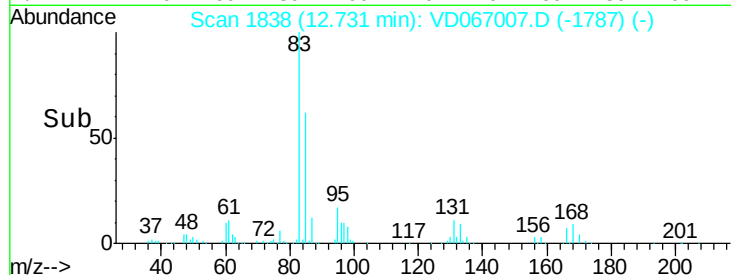
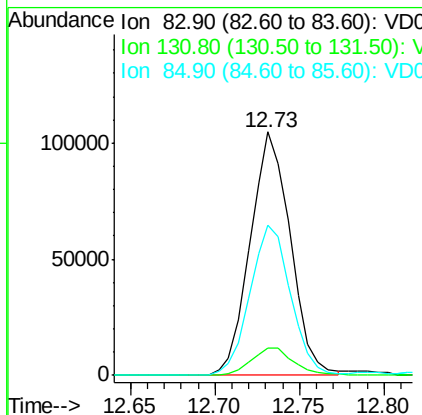
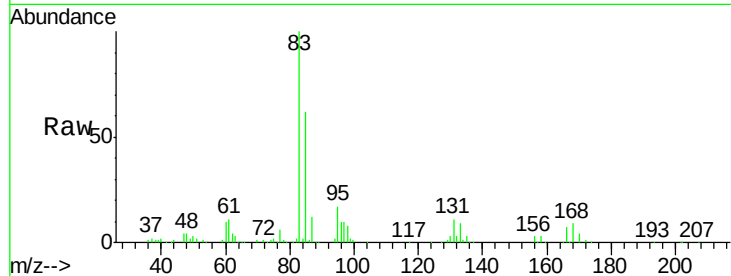
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	172938
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.7	17.0
85	62.7	32.0	96.2

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10/2/2020 3:13:36 PM



#76

1,2,3-Trichloropropane

Concen: 44.668 ug/l m

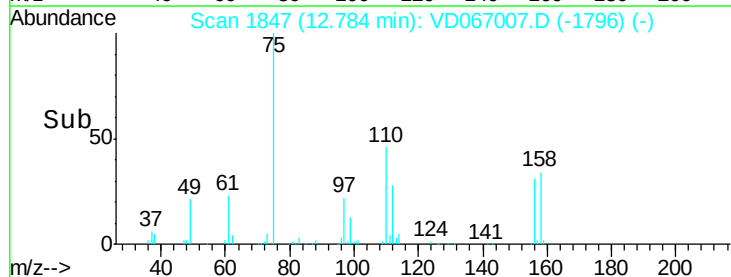
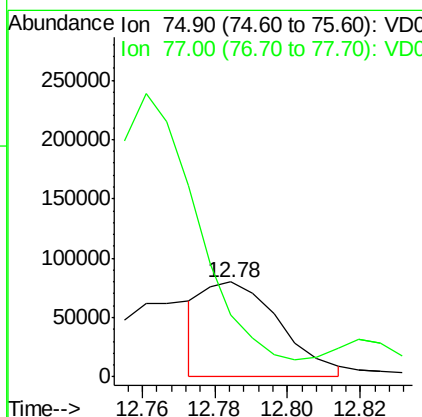
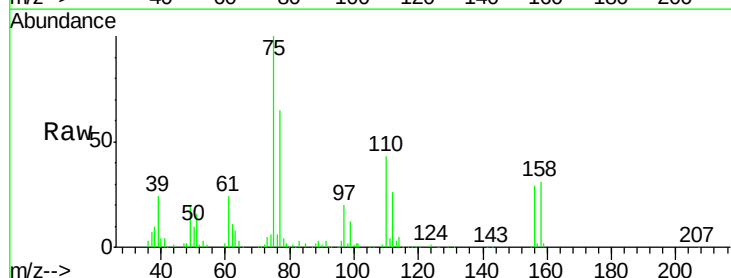
RT: 12.78 min Scan# 1847

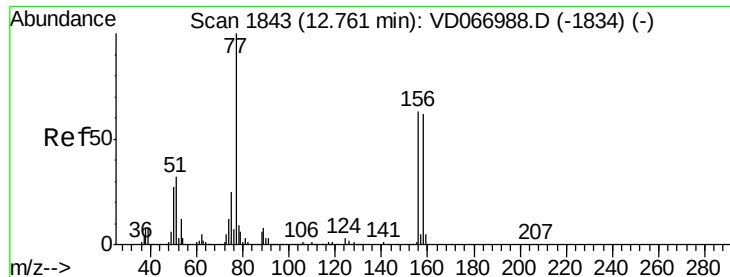
Delta R.T. -0.00 min

Lab File: VD067007.D

Acq: 01 Oct 2020 22:46

Tgt Ion:	75	Resp:	117068
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.572 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD067007.D

Acq: 01 Oct 2020 22:46

Instrument :

MSVOA_D

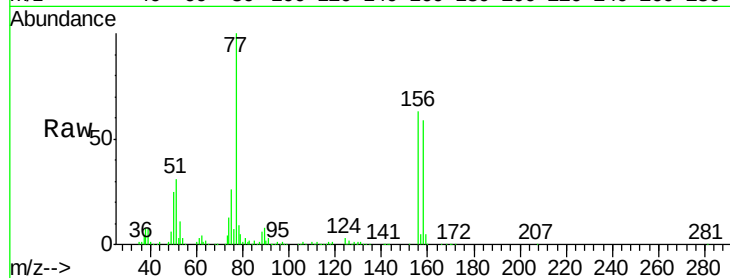
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	259351
Ion Ratio	Lower	Upper	
156	100		
77	166.5	86.3	258.8
158	95.5	49.5	148.3

Manual Integrations
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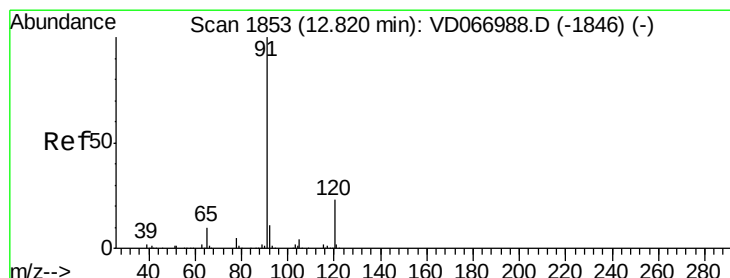
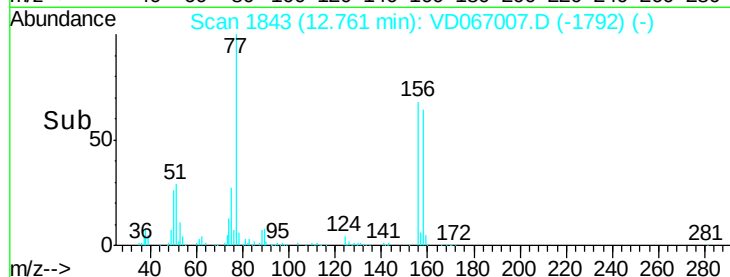
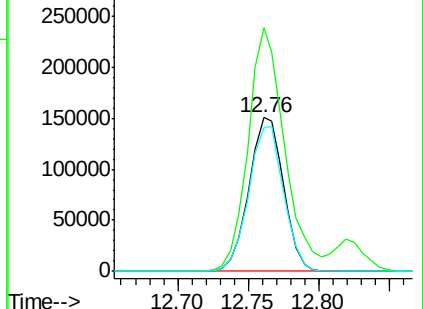
MMDadoda
10/2/2020 3:13:36 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.746 ug/l

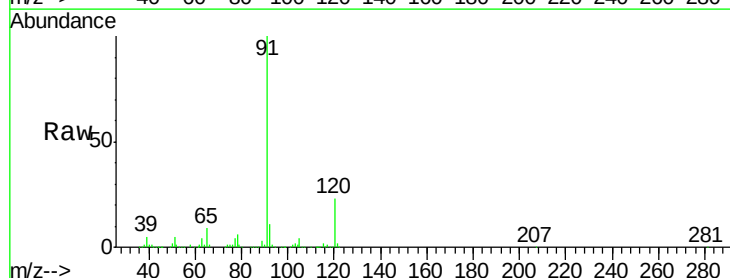
RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD067007.D

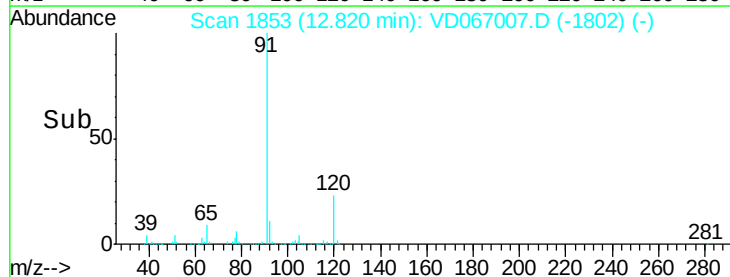
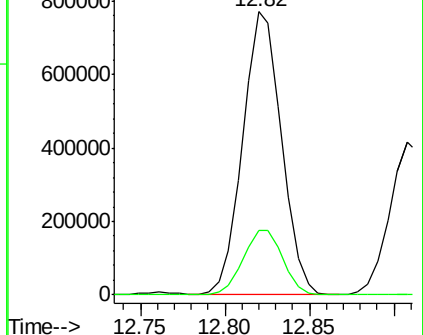
Acq: 01 Oct 2020 22:46

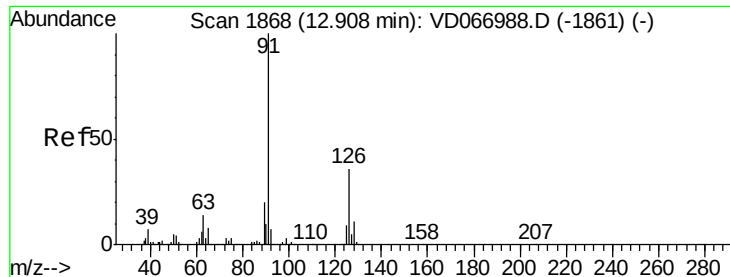
Tgt Ion:	91	Resp:	1225294
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.6	34.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





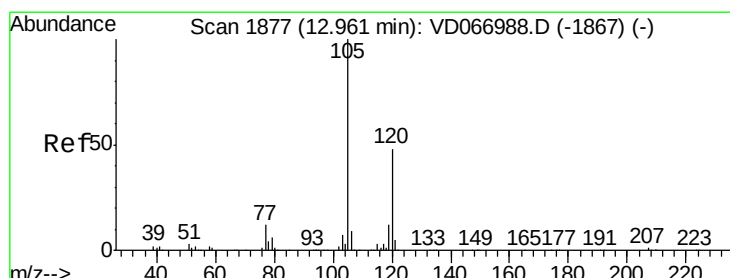
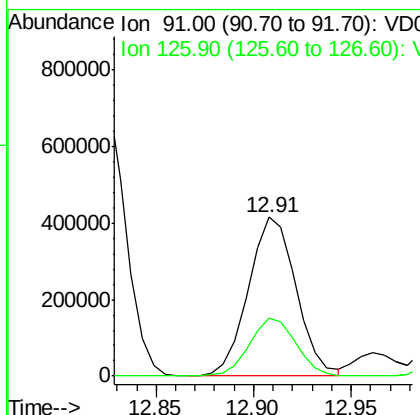
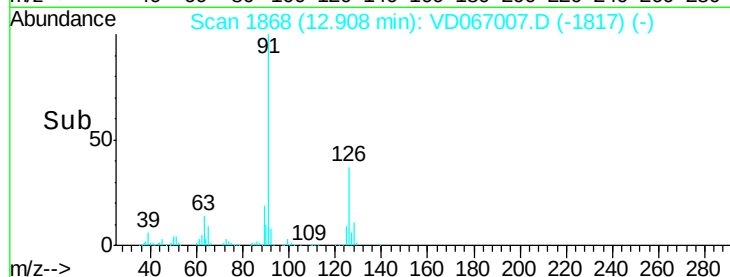
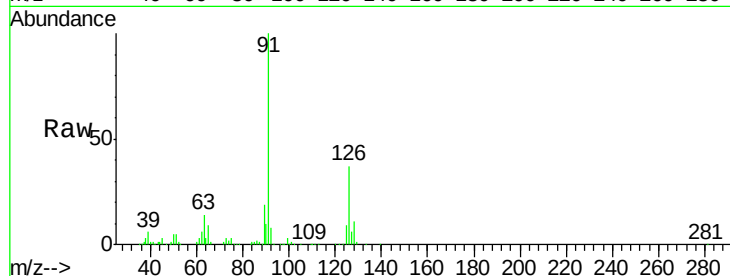
#79
2-Chlorotoluene
Concen: 50.816 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 702010
Ion Ratio Lower Upper
91 100
126 35.9 17.5 52.6

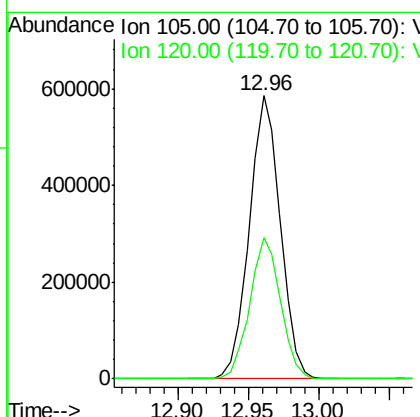
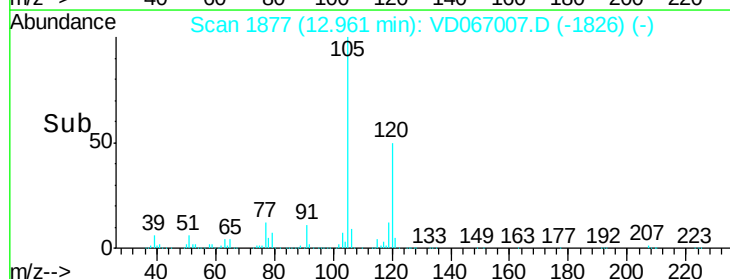
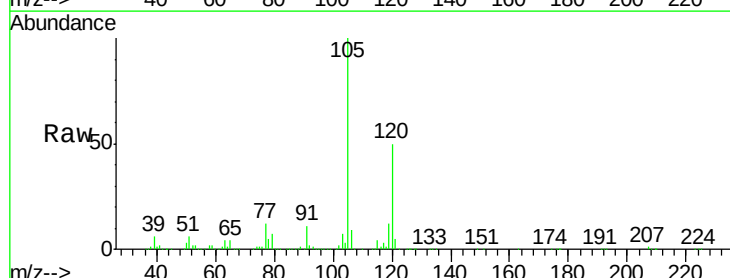
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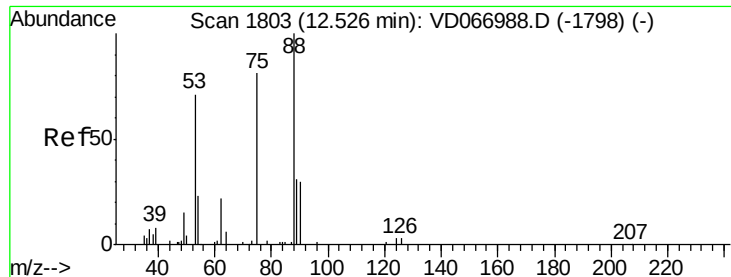
MMDadoda
10/2/2020 3:13:36 PM



#80
1,3,5-Trimethylbenzene
Concen: 52.263 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Tgt Ion: 105 Resp: 902134
Ion Ratio Lower Upper
105 100
120 49.8 24.6 74.0





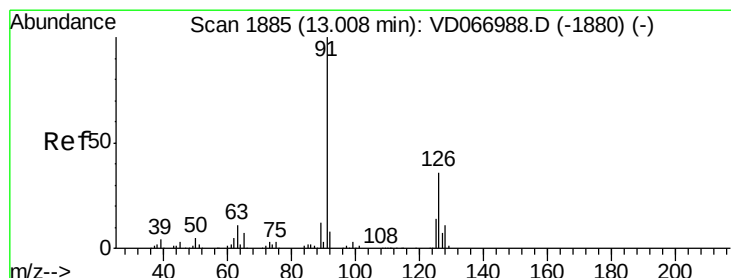
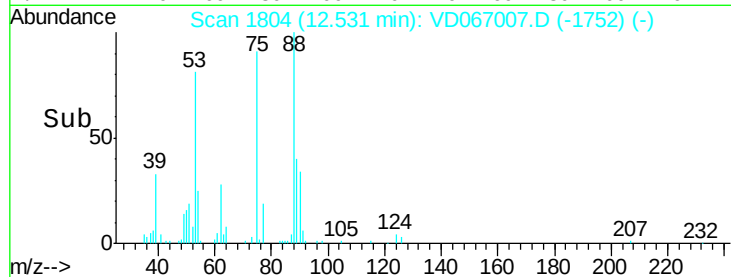
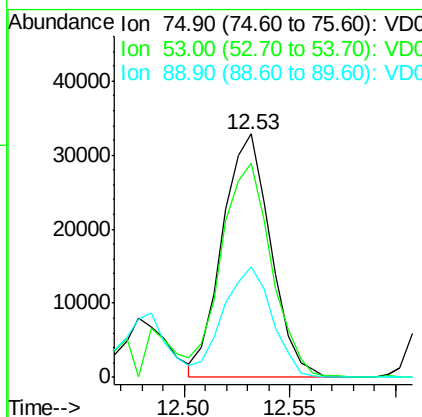
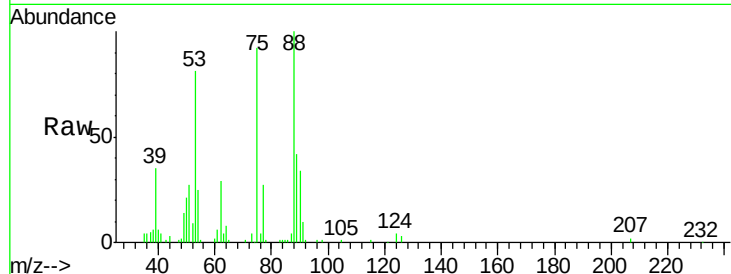
#81
trans-1,4-Dichloro-2-butene
Concen: 49.325 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.01 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.7	73.8	110.6
89	46.6	38.9	58.3

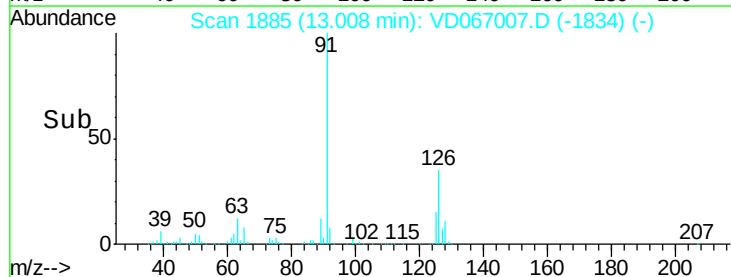
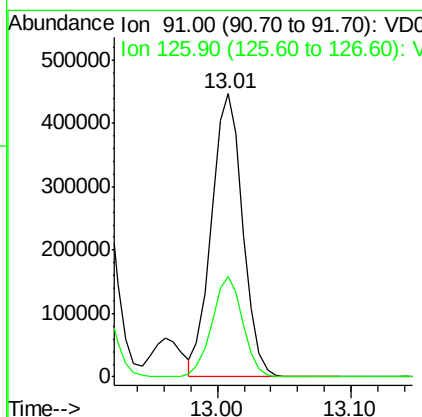
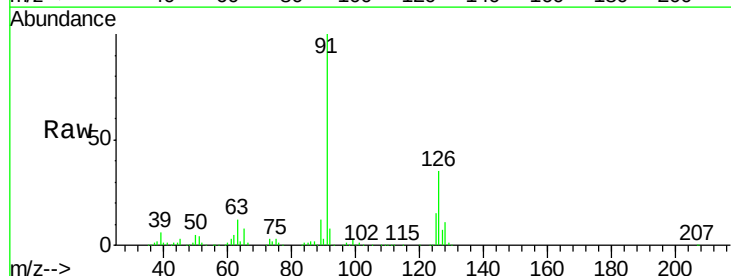
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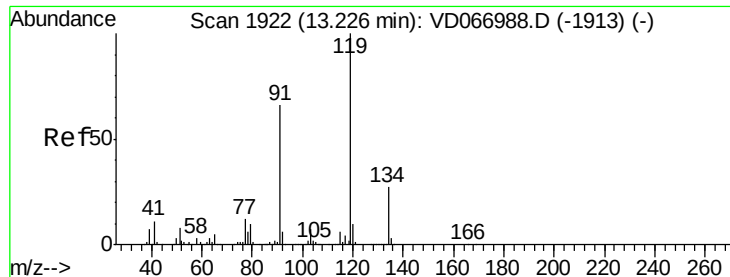
MMDadoda
10/2/2020 3:13:36 PM



#82
4-Chlorotoluene
Concen: 49.809 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.5	52.5





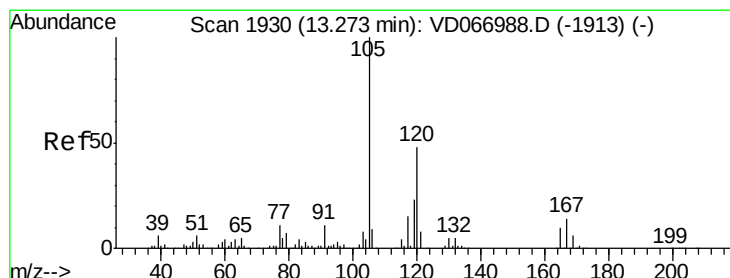
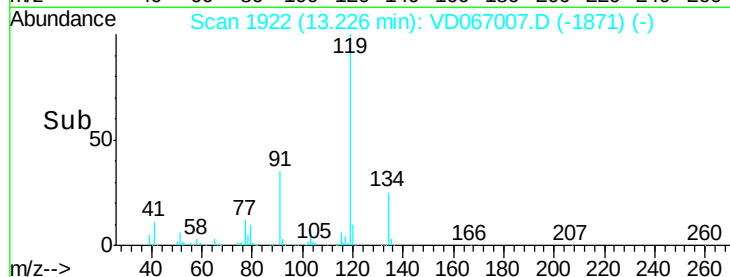
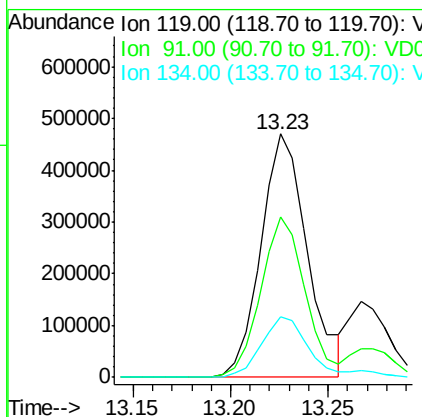
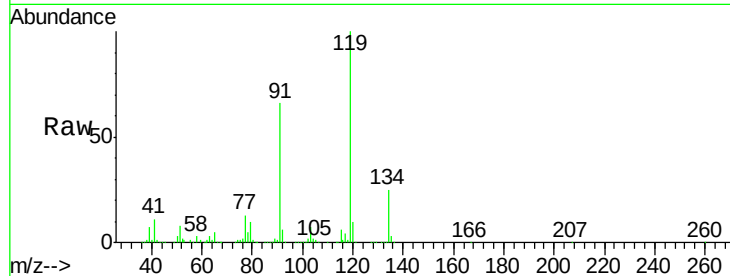
#83
 tert-Butylbenzene
 Concen: 53.331 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD067007.D
 Acq: 01 Oct 2020 22:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.9	32.8	98.3
134	26.4	13.9	41.7

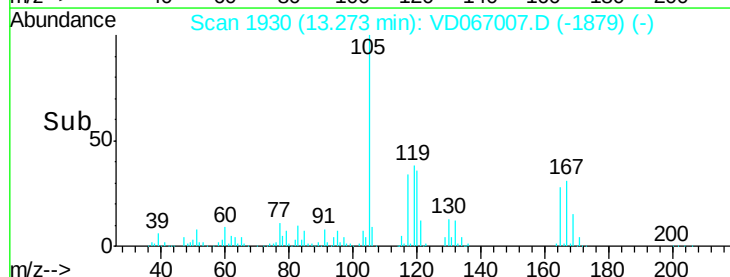
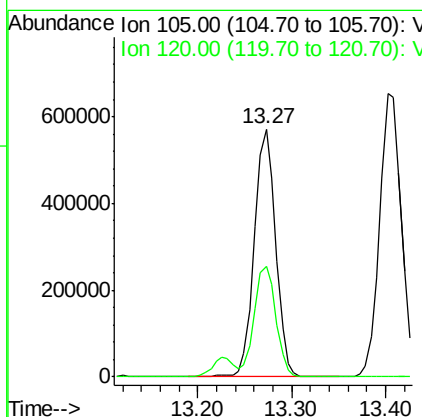
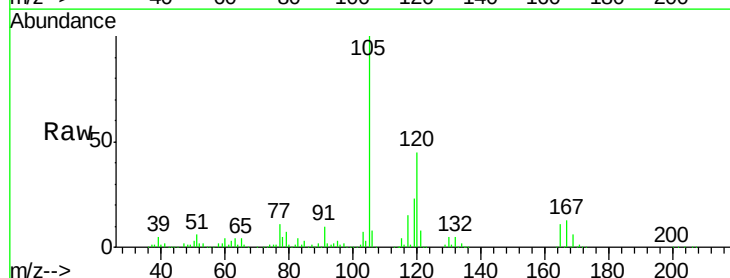
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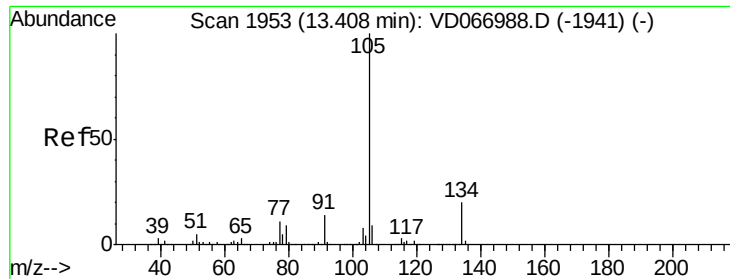
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.227 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD067007.D
 Acq: 01 Oct 2020 22:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.3	69.8





#85

sec-Butylbenzene

Concen: 50.859 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067007.D

Acq: 01 Oct 2020 22:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1041102

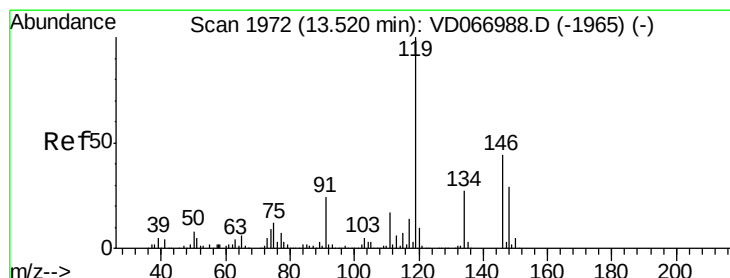
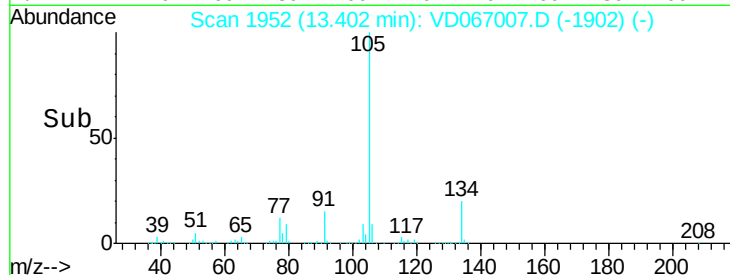
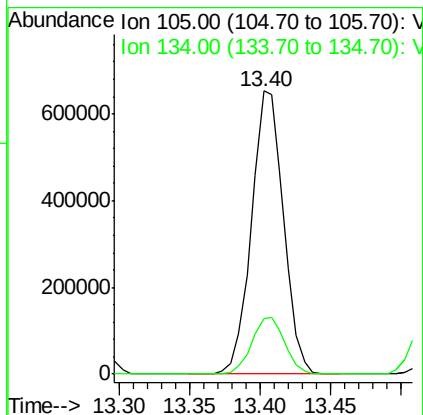
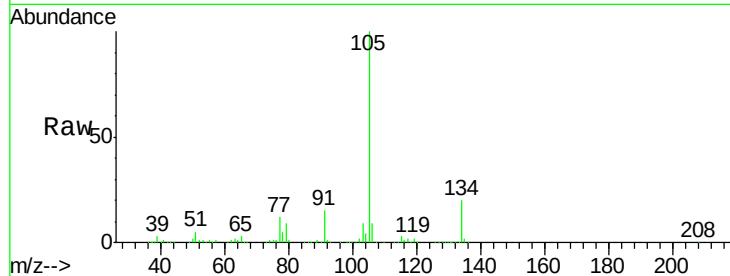
Ion Ratio Lower Upper

105 100

134 20.6 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 50.345 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067007.D

Acq: 01 Oct 2020 22:46

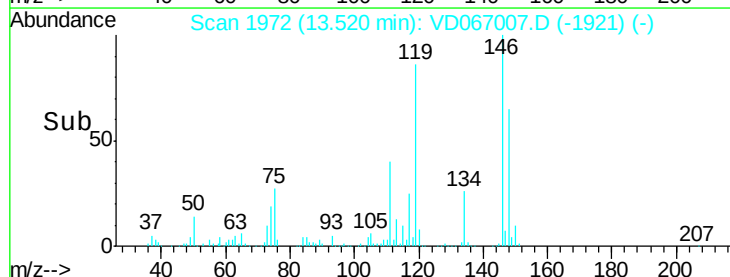
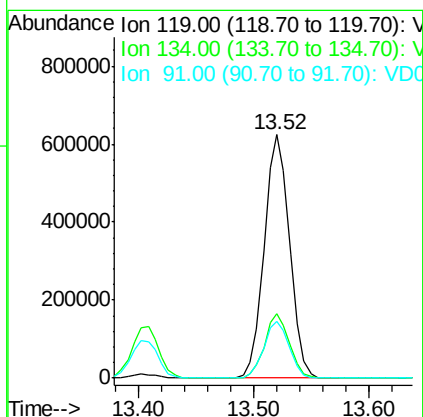
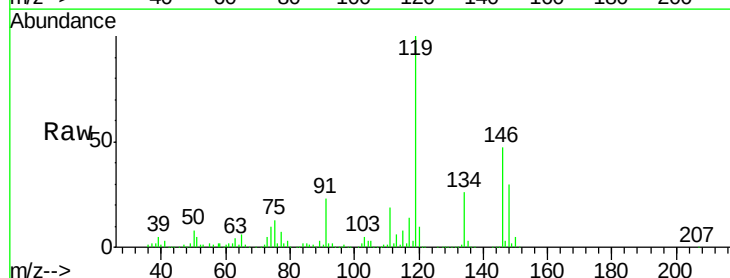
Tgt Ion:119 Resp: 955449

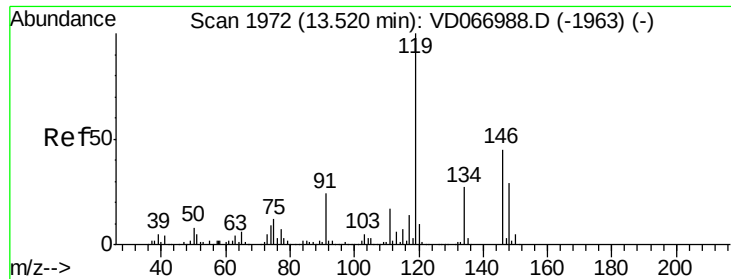
Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.1

91 23.2 11.7 35.1





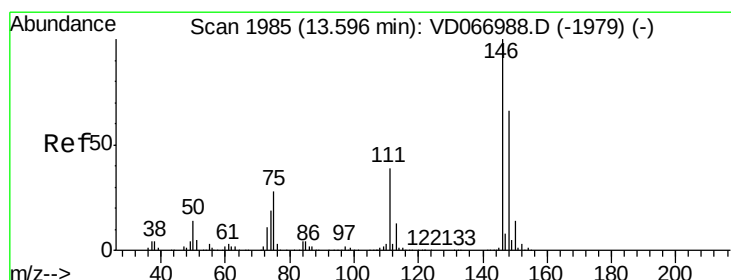
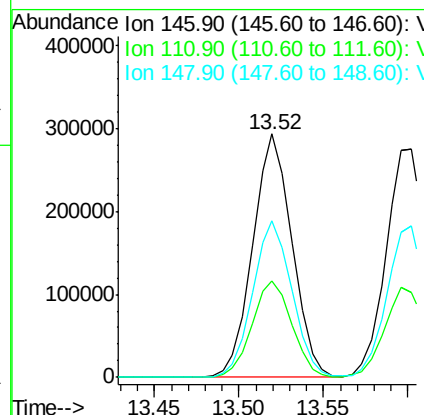
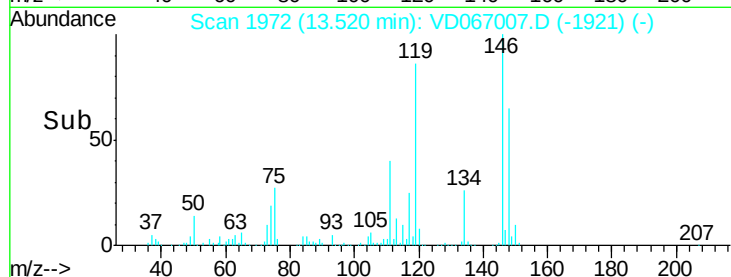
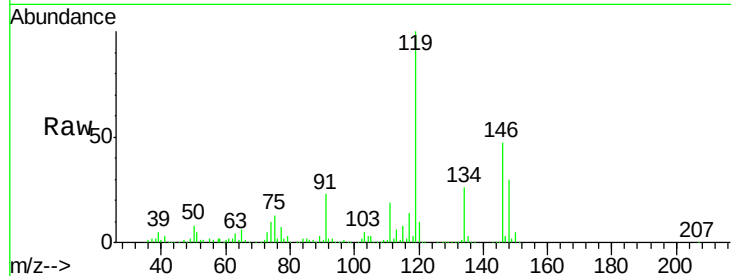
#87
 1,3-Dichlorobenzene
 Concen: 49.213 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067007.D
 Acq: 01 Oct 2020 22:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	60.0
148	64.4	31.9	95.9

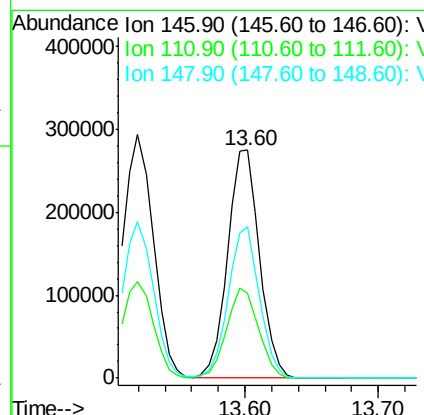
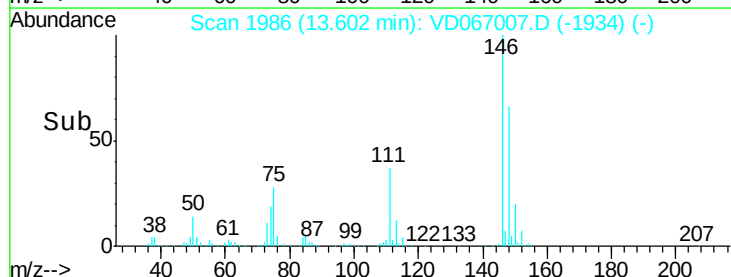
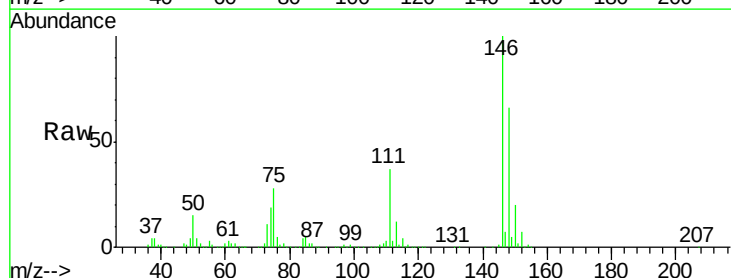
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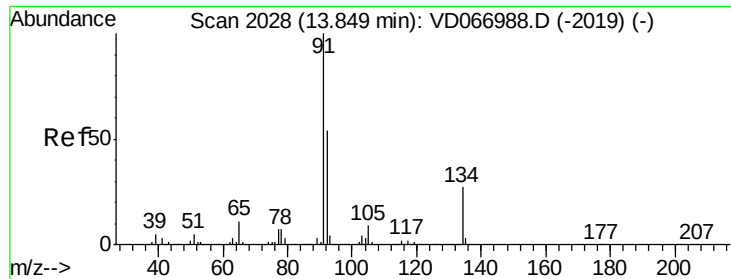
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#88
 1,4-Dichlorobenzene
 Concen: 48.013 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067007.D
 Acq: 01 Oct 2020 22:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.6	58.7
148	64.8	32.6	97.7





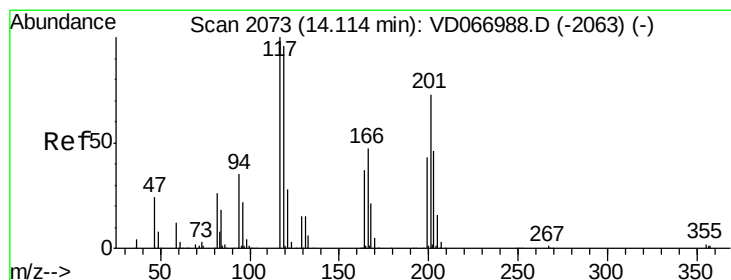
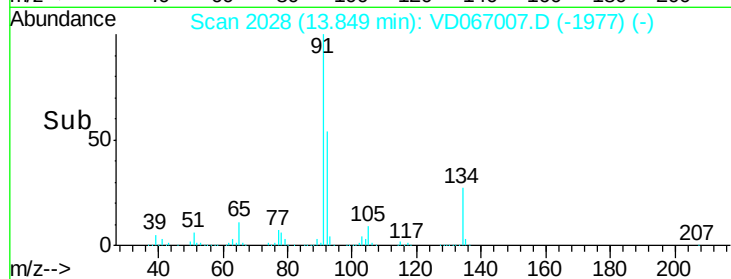
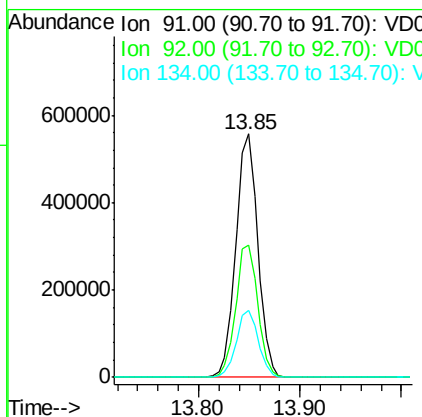
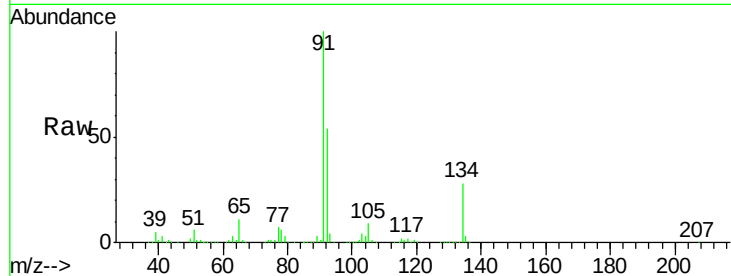
#89
n-Butylbenzene
Concen: 48.375 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.1	81.2
134	27.4	13.6	40.8

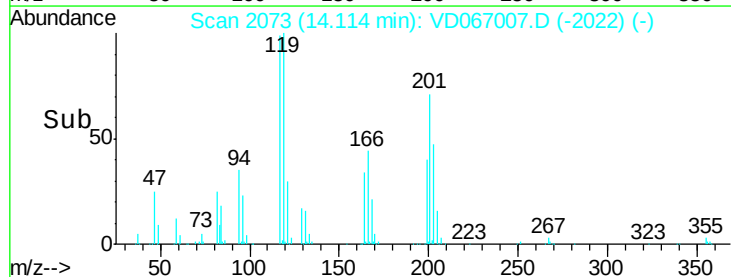
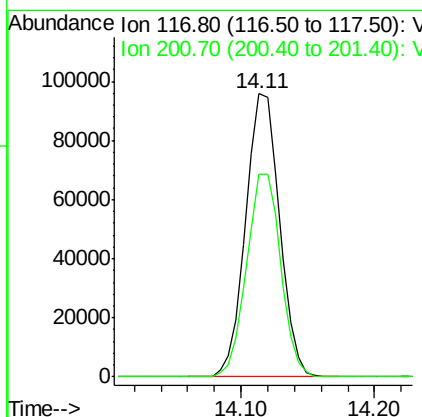
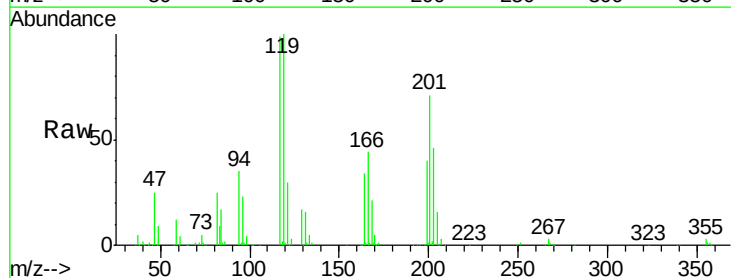
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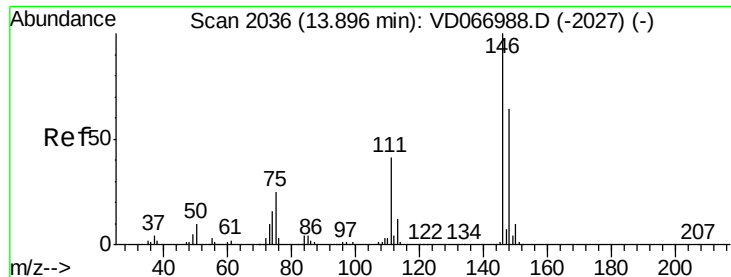
MMDadoda
10/2/2020 3:13:36 PM



#90
Hexachloroethane
Concen: 50.418 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067007.D
Acq: 01 Oct 2020 22:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.9	37.0	110.9





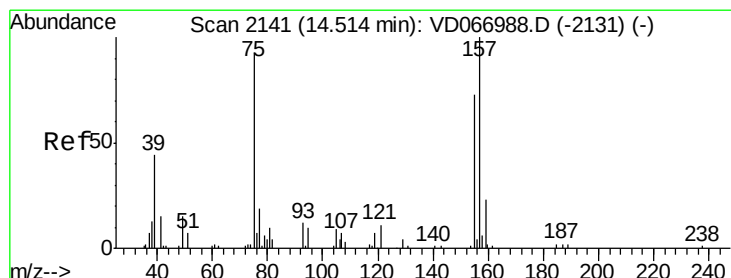
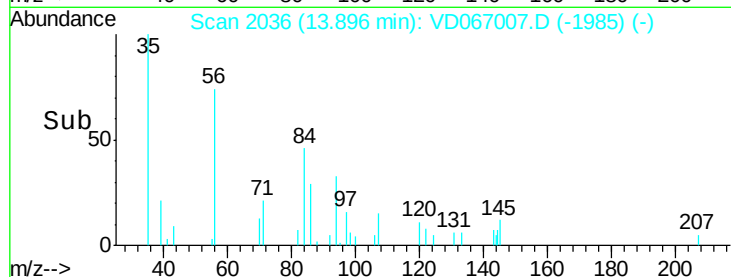
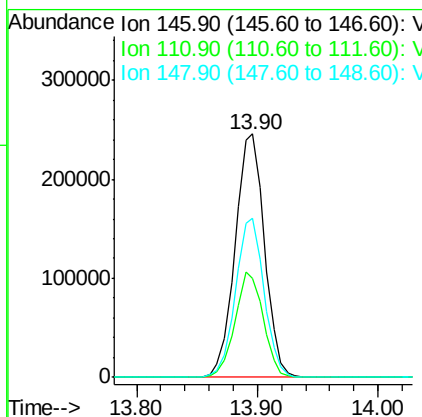
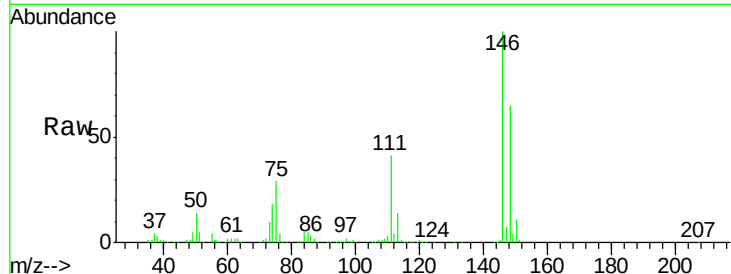
#91
 1,2-Dichlorobenzene
 Concen: 49.556 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067007.D
 Acq: 01 Oct 2020 22:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.9	62.7
148	63.8	32.3	96.9

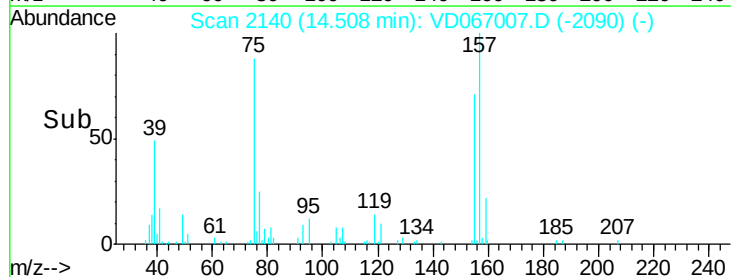
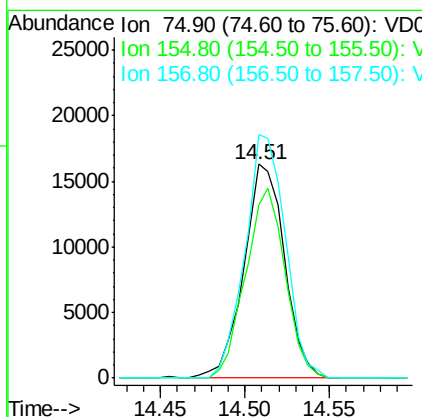
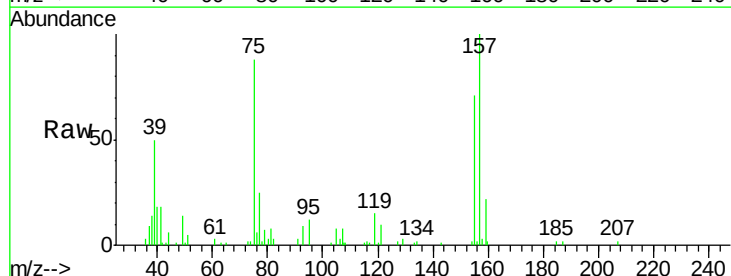
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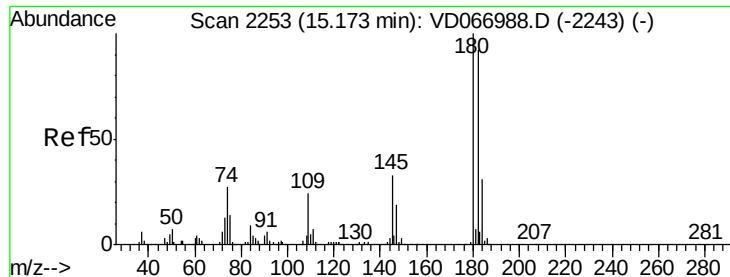
MMDadoda
 10/2/2020 3:13:36 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.199 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067007.D
 Acq: 01 Oct 2020 22:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.3	45.2	135.6
157	112.6	56.3	168.8





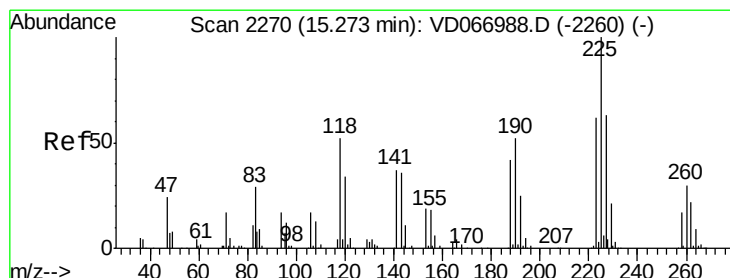
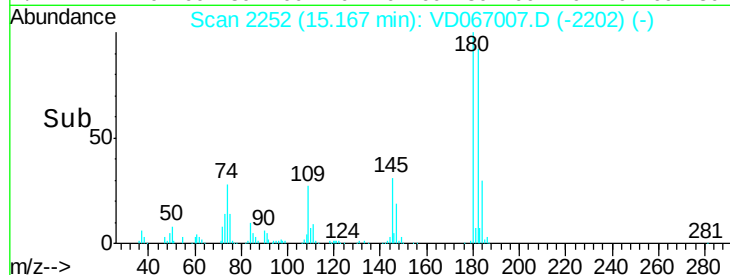
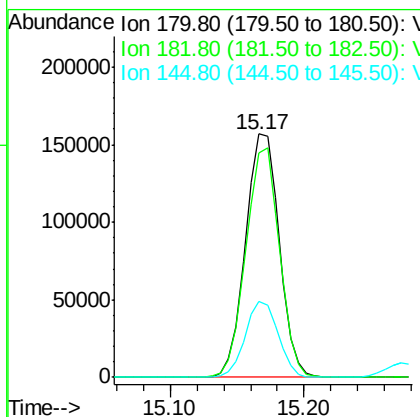
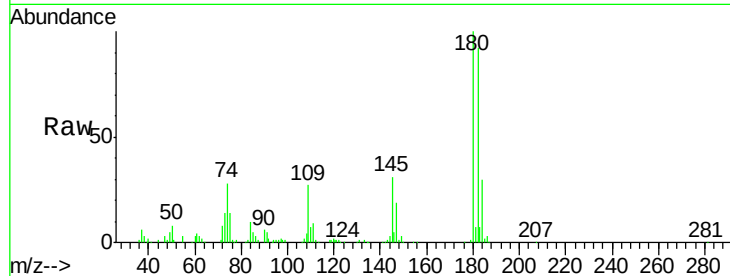
#93
 1,2,4-Trichlorobenzene
 Concen: 50.384 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067007.D
 Acq: 01 Oct 2020 22:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	273496		
182	93.5	47.3	142.0	
145	30.7	16.4	49.1	

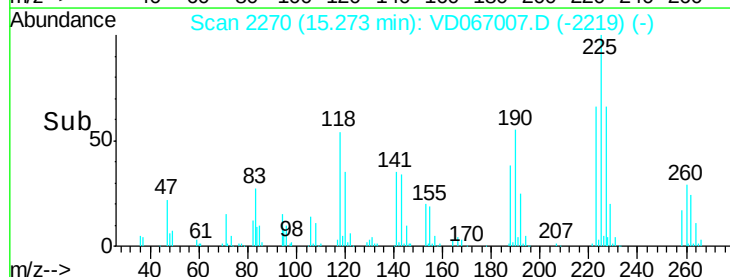
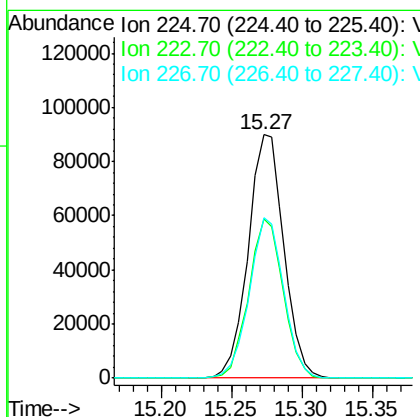
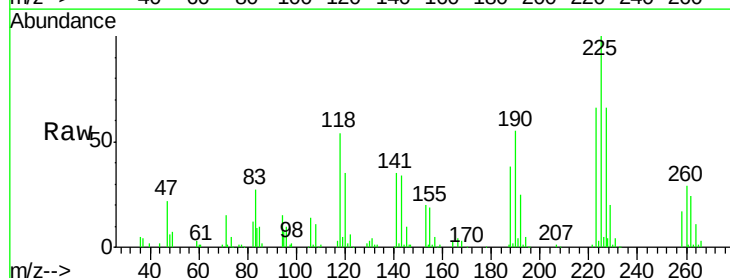
Manual Integrations
 APPROVED

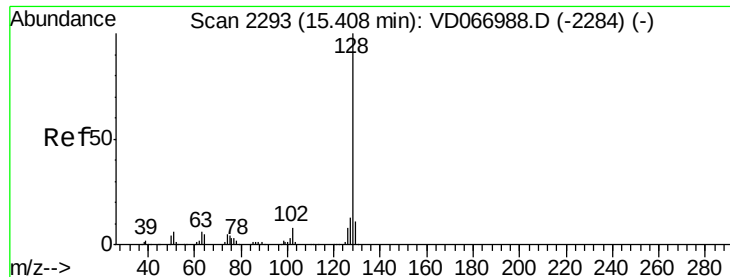
MMDadoda
 10/2/2020 3:13:36 PM



#94
 Hexachlorobutadiene
 Concen: 47.823 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067007.D
 Acq: 01 Oct 2020 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	159426		
223	63.3	32.4	97.0	
227	63.6	31.6	95.0	





#95

Naphthalene

Concen: 52.890 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD067007.D

Acq: 01 Oct 2020 22:46

Instrument :

MSVOA_D

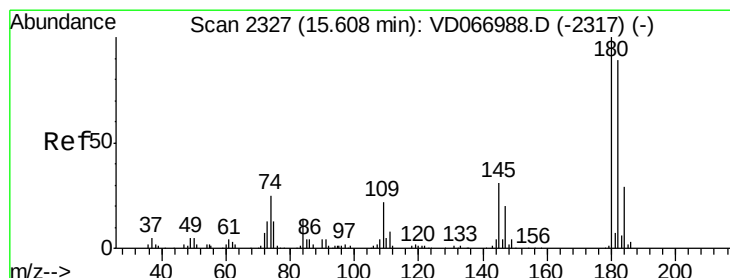
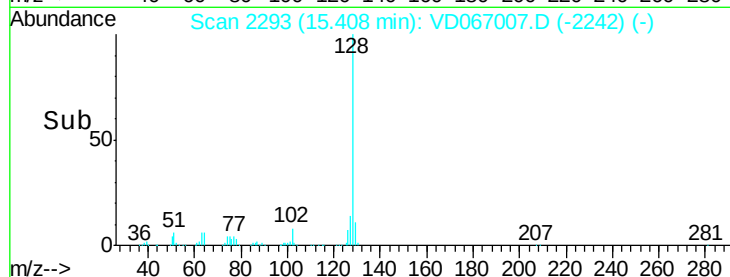
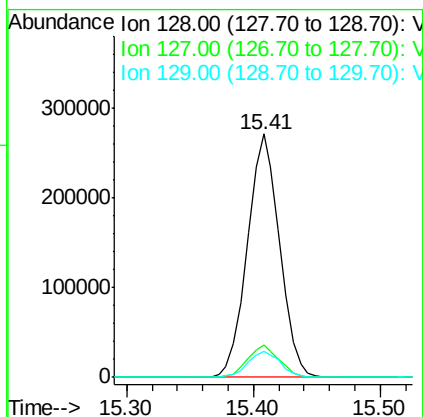
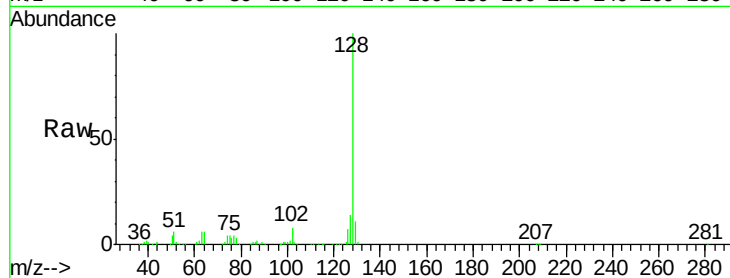
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	478866
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:13:36 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.567 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.01 min

Lab File: VD067007.D

Acq: 01 Oct 2020 22:46

Tgt Ion:	180	Resp:	238282
Ion Ratio	Lower	Upper	
180	100		
182	96.8	46.4	139.1
145	34.1	16.6	49.7

