

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066950.D
 Acq On : 29 Sep 2020 21:20
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/30/2020 1:22:21 PM

Quant Time: Sep 30 04:28:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	401186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	623982	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	578721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279899	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	175386	44.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.34%	
35) Dibromofluoromethane	7.91	113	186667	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
50) Toluene-d8	10.34	98	653866	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
62) 4-Bromofluorobenzene	12.63	95	232158	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	135969	48.421	ug/l	96
3) Chloromethane	2.20	50	148304	40.234	ug/l	98
4) Vinyl Chloride	2.35	62	156354	42.936	ug/l	99
5) Bromomethane	2.77	94	114644	44.790	ug/l	95
6) Chloroethane	2.92	64	99234	43.881	ug/l	97
7) Trichlorofluoromethane	3.27	101	354734	47.431	ug/l	97
8) Diethyl Ether	3.71	74	106597	56.143	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	210651	48.574	ug/l	98
10) Methyl Iodide	4.30	142	209057	54.629	ug/l	94
11) Tert butyl alcohol	5.22	59	73029	321.543	ug/l #	83
12) 1,1-Dichloroethene	4.07	96	198409	50.505	ug/l	92
13) Acrolein	3.92	56	75225	259.694	ug/l	96
14) Allyl chloride	4.71	41	292729	50.745	ug/l	96
15) Acrylonitrile	5.42	53	234684	278.916	ug/l	98
16) Acetone	4.16	43	180500	216.693	ug/l	99
17) Carbon Disulfide	4.41	76	555234	46.229	ug/l	100
18) Methyl Acetate	4.71	43	109581	59.661	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	488167	57.220	ug/l	98
20) Methylene Chloride	4.96	84	253117	57.134	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	233967	51.435	ug/l	97
22) Diisopropyl ether	6.36	45	642011	54.128	ug/l	99
23) Vinyl Acetate	6.30	43	1713492	265.913	ug/l	97
24) 1,1-Dichloroethane	6.26	63	401530	50.604	ug/l	96
25) 2-Butanone	7.21	43	269650	269.377	ug/l	100
26) 2,2-Dichloropropane	7.21	77	334196	45.952	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	268550	54.337	ug/l	96
28) Bromochloromethane	7.54	49	166568	50.813	ug/l #	91
29) Tetrahydrofuran	7.56	42	183615	286.272	ug/l	96
30) Chloroform	7.71	83	445065	52.035	ug/l	99
31) Cyclohexane	7.98	56	318639	44.630	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	390982	50.532	ug/l	98
36) 1,1-Dichloropropene	8.11	75	323378	52.239	ug/l	99
37) Ethyl Acetate	7.29	43	131505	58.763	ug/l	97
38) Carbon Tetrachloride	8.09	117	347968	51.415	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	368750	51.882	ug/l	95
40) Benzene	8.35	78	942473	54.628	ug/l	98
41) Methacrylonitrile	7.52	41	56954m	41.384	ug/l	
42) 1,2-Dichloroethane	8.42	62	274763	53.872	ug/l	99
43) Isopropyl Acetate	8.45	43	244090	56.574	ug/l	99
44) Trichloroethene	9.11	130	267444	54.385	ug/l	100
45) 1,2-Dichloropropane	9.38	63	235678	54.294	ug/l	95
46) Dibromomethane	9.47	93	131518	55.765	ug/l	97
47) Bromodichloromethane	9.66	83	347134	54.792	ug/l #	96
48) Methyl methacrylate	9.46	41	116043	54.551	ug/l	97
49) 1,4-Dioxane	9.46	88	32810	1252.989	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	650491	297.545	ug/l	98
52) Toluene	10.40	92	616847	55.507	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	306606	56.859	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	367331	55.866	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	185064	57.080	ug/l	97
56) Ethyl methacrylate	10.66	69	219240	63.122	ug/l	97
57) 1,3-Dichloropropane	10.94	76	303508	56.692	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	425995	259.030	ug/l	98
59) 2-Hexanone	10.98	43	436068	295.777	ug/l	95
60) Dibromochloromethane	11.14	129	250352	59.164	ug/l	98
61) 1,2-Dibromoethane	11.24	107	181599	60.219	ug/l	98
64) Tetrachloroethene	10.87	164	232539	55.861	ug/l	98
65) Chlorobenzene	11.67	112	659263	54.727	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	259297	56.872	ug/l	100
67) Ethyl Benzene	11.74	91	1181843	55.860	ug/l	99
68) m/p-Xylenes	11.86	106	924501	115.412	ug/l	97
69) o-Xylene	12.18	106	421090	58.135	ug/l	98
70) Styrene	12.20	104	733833	58.339	ug/l	100
71) Bromoform	12.36	173	137182	59.426	ug/l #	98
73) Isopropylbenzene	12.48	105	1141427	56.451	ug/l	99
74) N-amyl acetate	12.29	43	226242	57.296	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	191687	54.940	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	100195m	43.195	ug/l	
77) Bromobenzene	12.76	156	268935	56.869	ug/l	94
78) n-propylbenzene	12.82	91	1326089	54.514	ug/l	99
79) 2-Chlorotoluene	12.91	91	753628	54.367	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	964639	56.225	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	56634	61.086	ug/l	95
82) 4-Chlorotoluene	13.01	91	797997	54.611	ug/l	99
83) tert-Butylbenzene	13.23	119	793381	56.275	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	967690	56.880	ug/l	99
85) sec-Butylbenzene	13.40	105	1123318	55.409	ug/l	99
86) p-Isopropyltoluene	13.52	119	1049972	57.457	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	519995	55.657	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	503417	54.252	ug/l	99
89) n-Butylbenzene	13.85	91	950573	54.727	ug/l	99
90) Hexachloroethane	14.11	117	198057	53.385	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	450286	56.334	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	31493	56.111	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	298850	59.393	ug/l	98
94) Hexachlorobutadiene	15.27	225	171263	56.799	ug/l	99
95) Naphthalene	15.41	128	554183	64.872	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	265696	61.178	ug/l	99

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

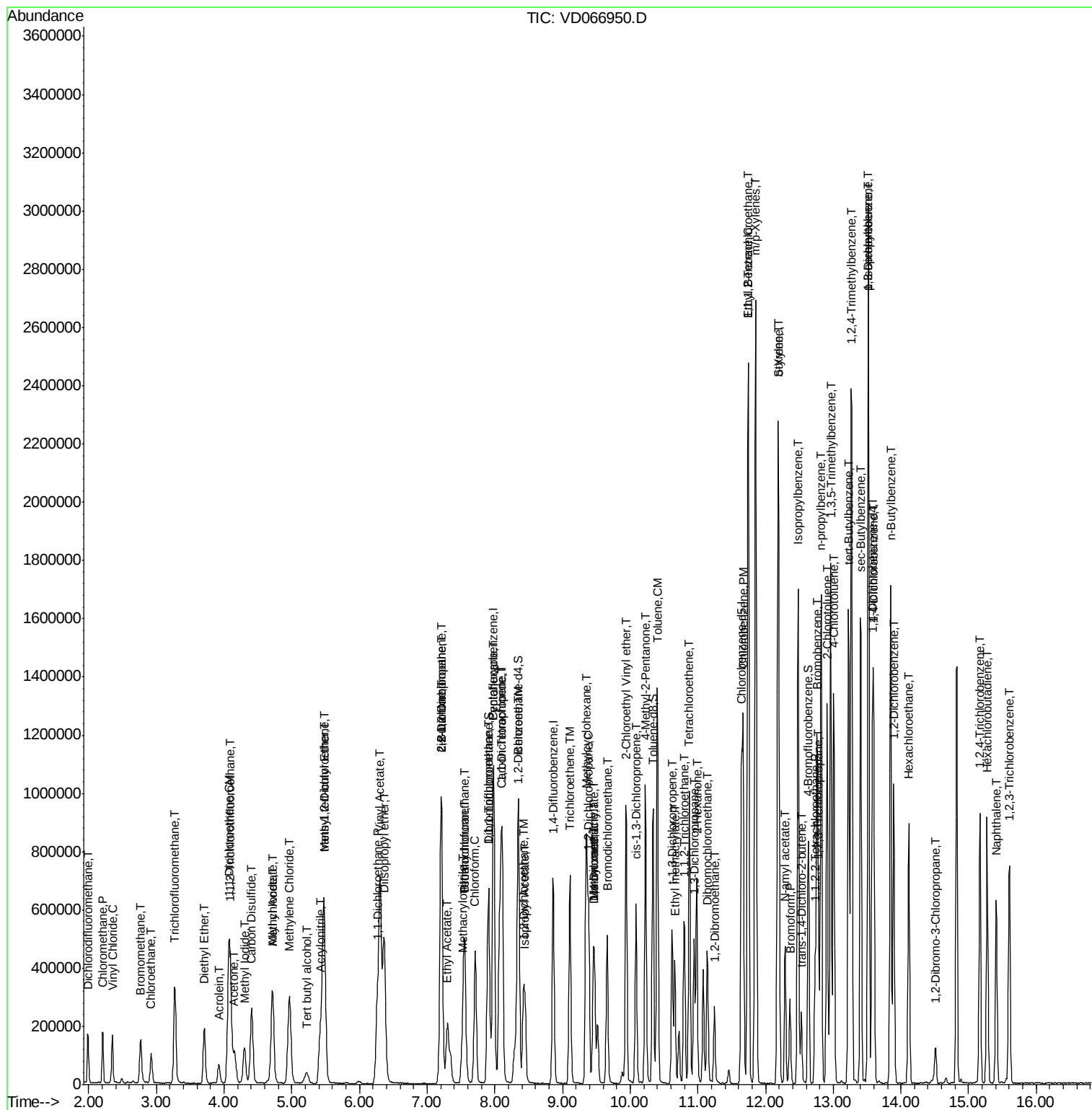
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092920\
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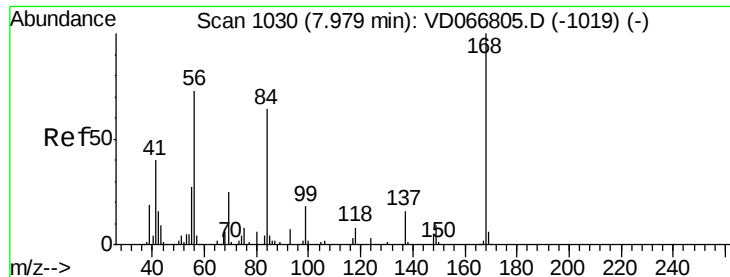
Instrument :
 MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 401186

Ion Ratio Lower Upper

168 100

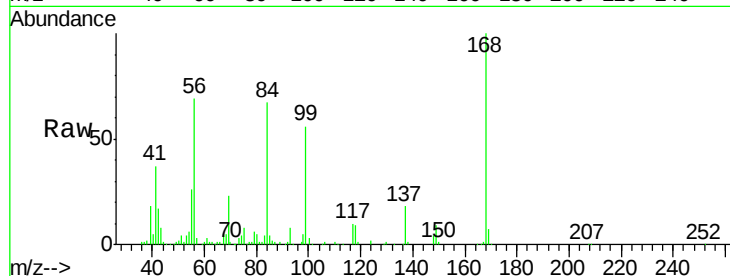
99 55.7 46.6 69.8

Manual Integrations

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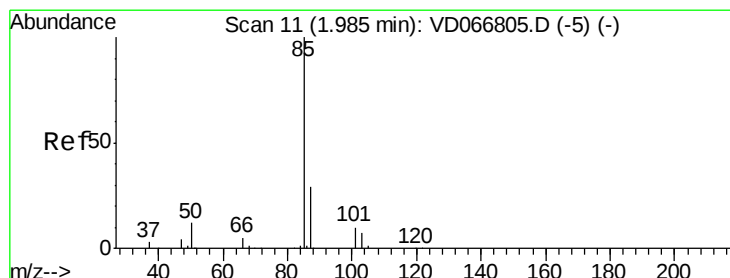
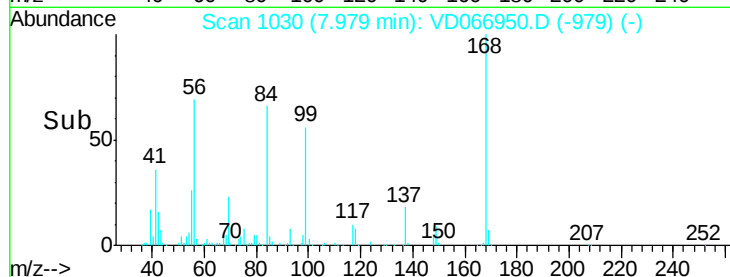
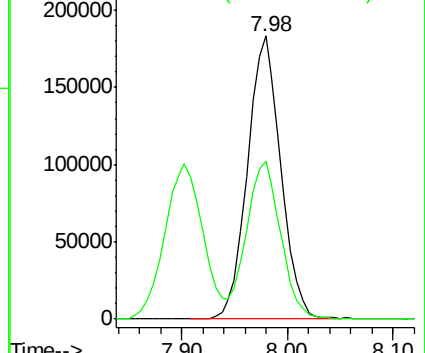
MMDadoda

9/30/2020 1:22:21 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 48.421 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066950.D

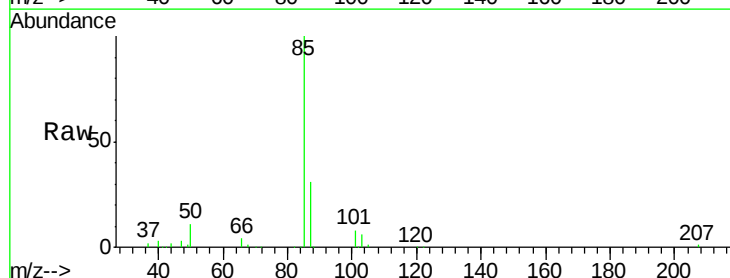
Acq: 29 Sep 2020 21:20

Tgt Ion: 85 Resp: 135969

Ion Ratio Lower Upper

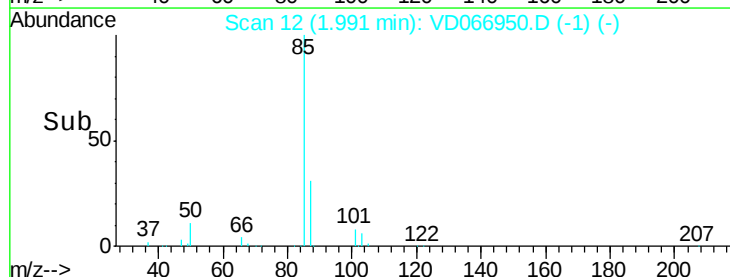
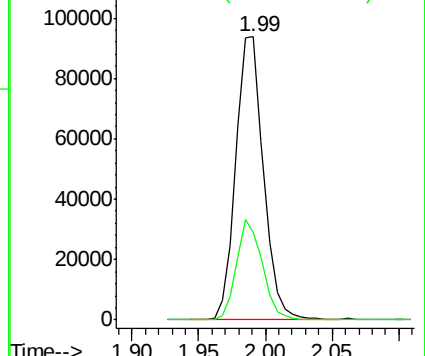
85 100

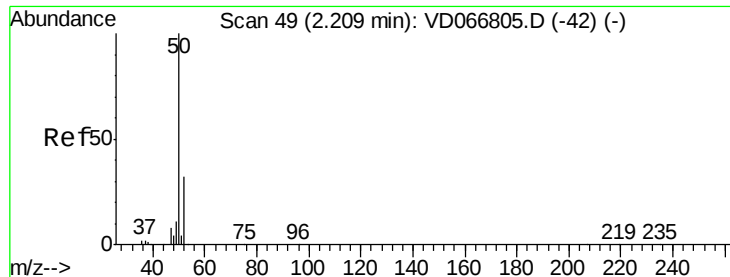
87 31.0 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 40.234 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 148304

Ion Ratio Lower Upper

50 100

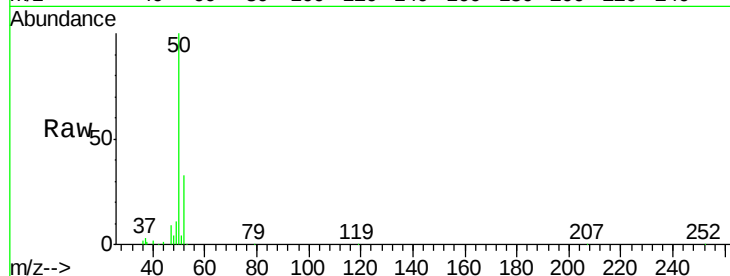
52 33.2 25.5 38.3

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.20

120000

100000

80000

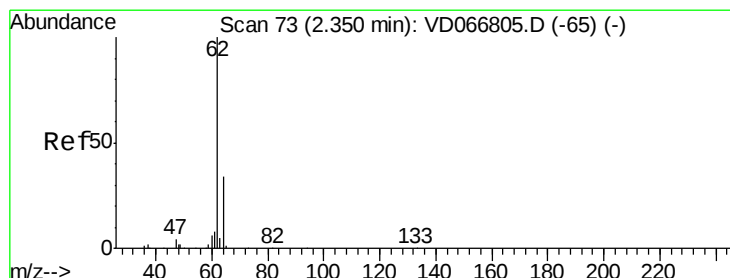
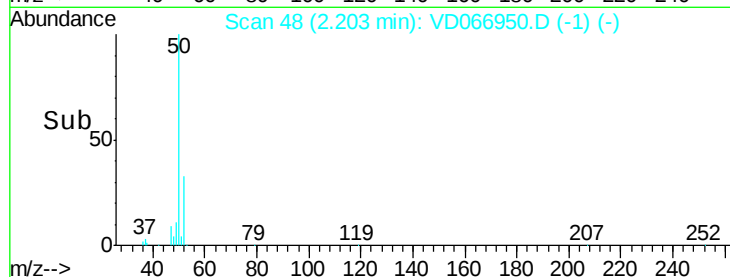
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 42.936 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066950.D

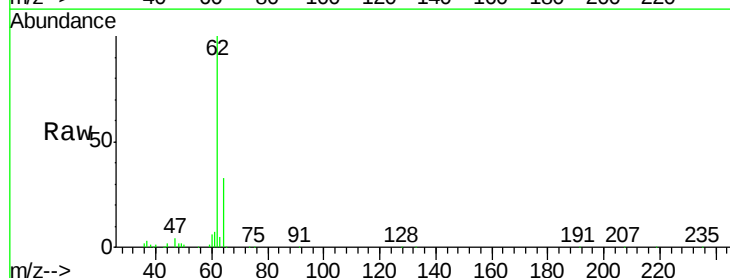
Acq: 29 Sep 2020 21:20

Tgt Ion: 62 Resp: 156354

Ion Ratio Lower Upper

62 100

64 33.3 27.0 40.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

100000

80000

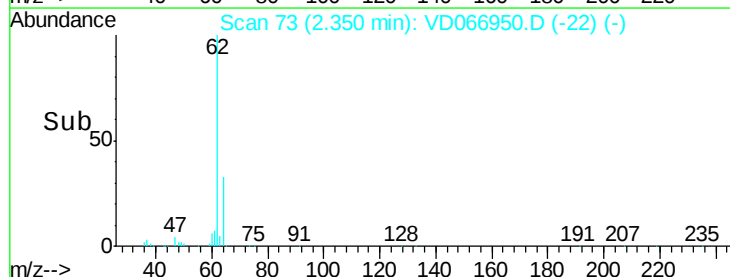
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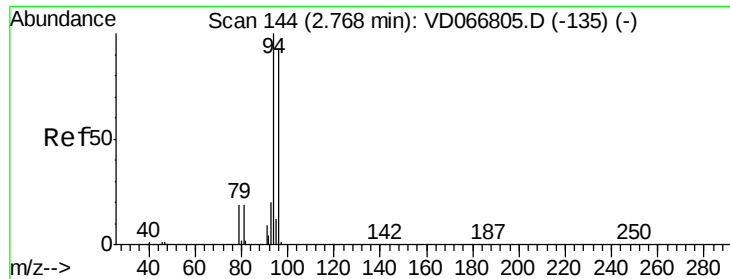
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20000

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Time-->





#5

Bromomethane

Concen: 44.790 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 114644

Ion Ratio Lower Upper

94 100

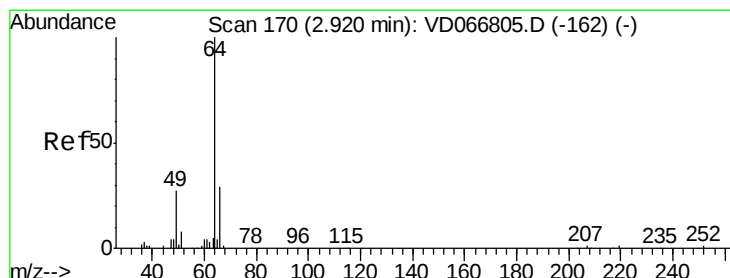
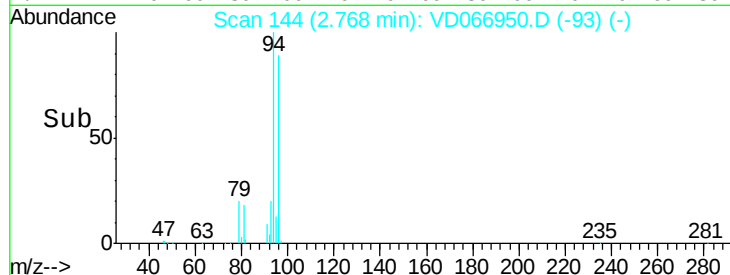
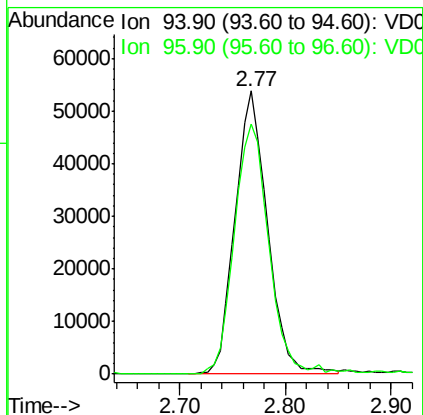
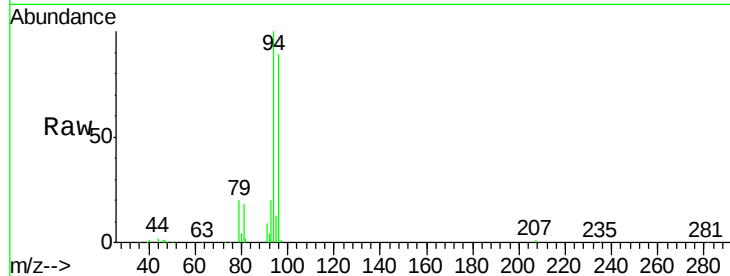
96 88.6 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 43.881 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD066950.D

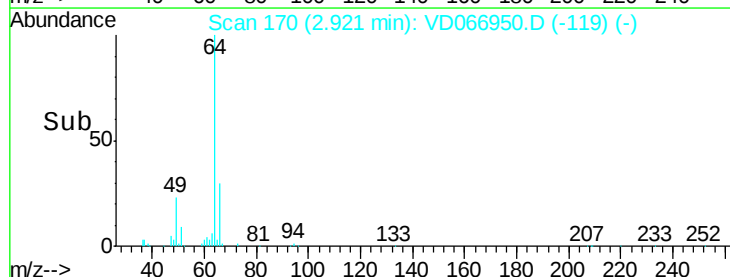
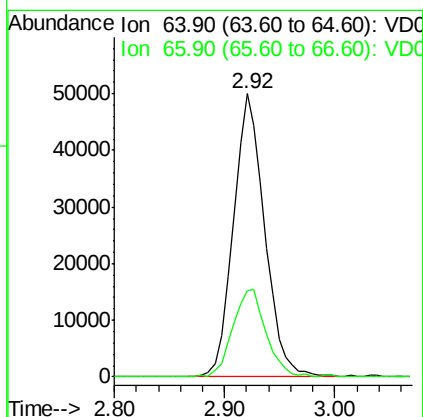
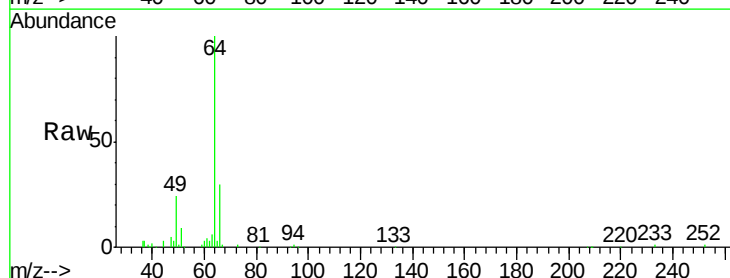
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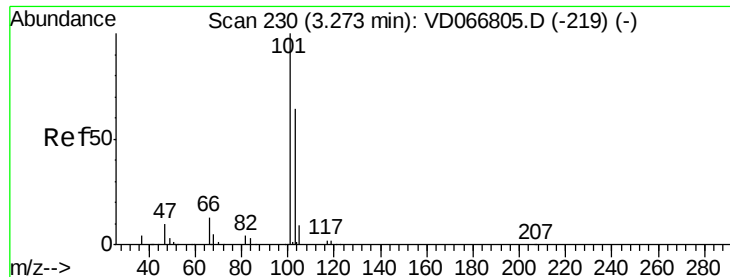
Tgt Ion: 64 Resp: 99234

Ion Ratio Lower Upper

64 100

66 30.4 23.3 34.9





#7

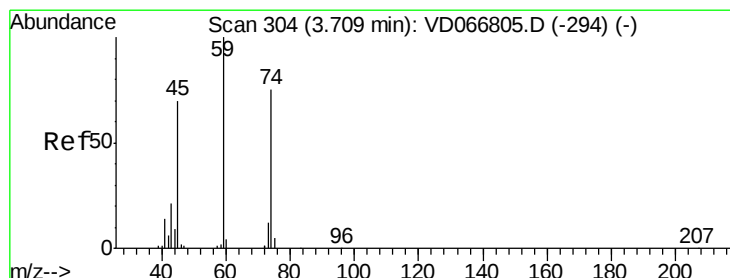
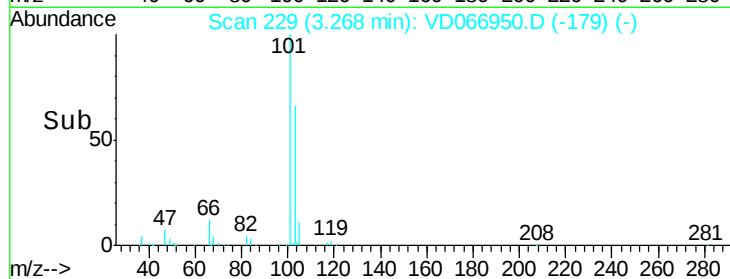
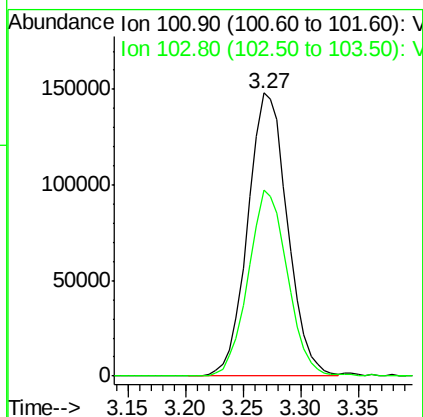
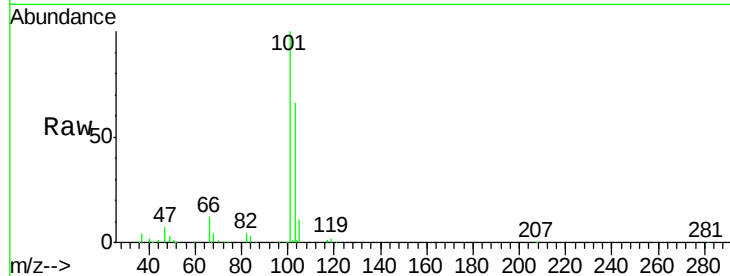
Trichlorofluoromethane
 Concen: 47.431 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066950.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.0	76.6

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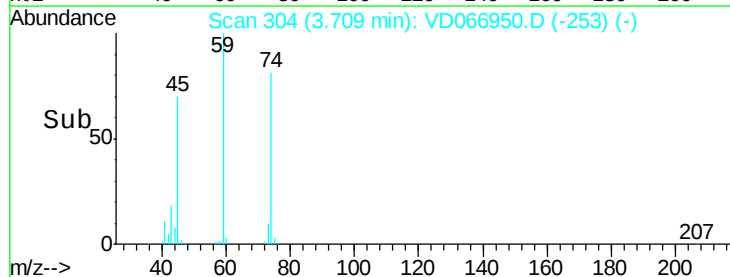
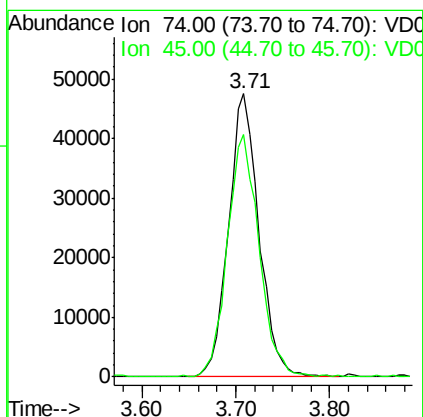
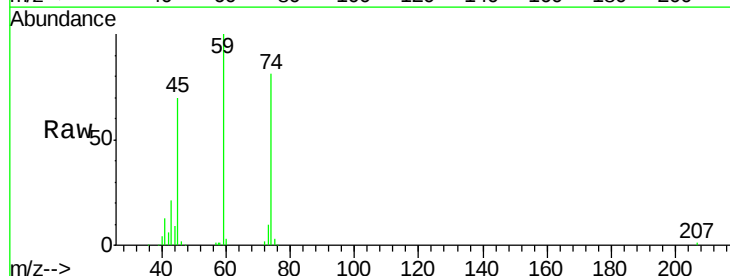
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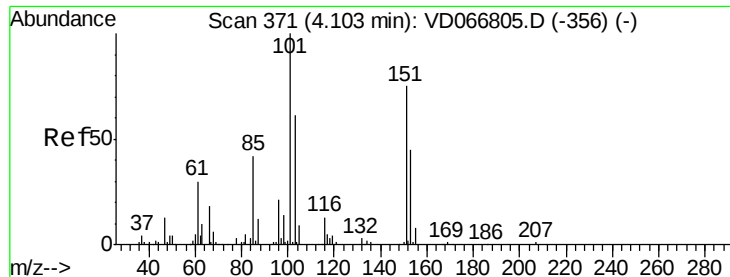


#8

Diethyl Ether
 Concen: 56.143 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.7	46.0	138.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.574 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

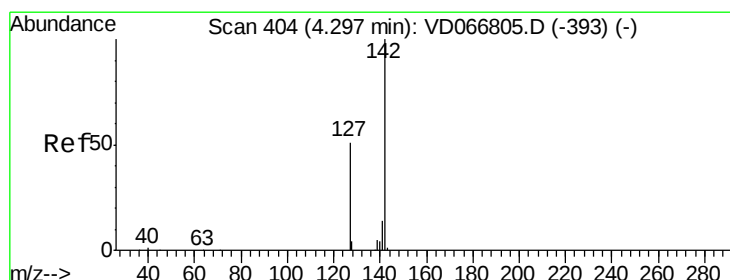
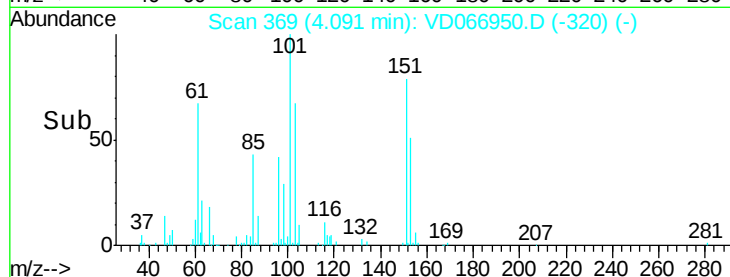
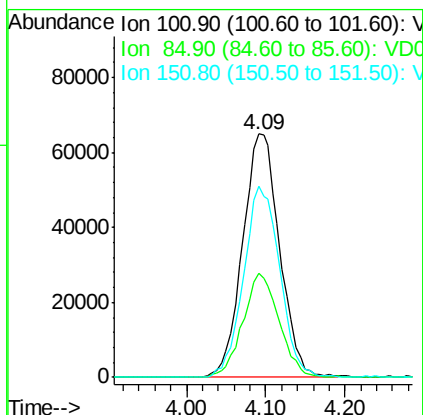
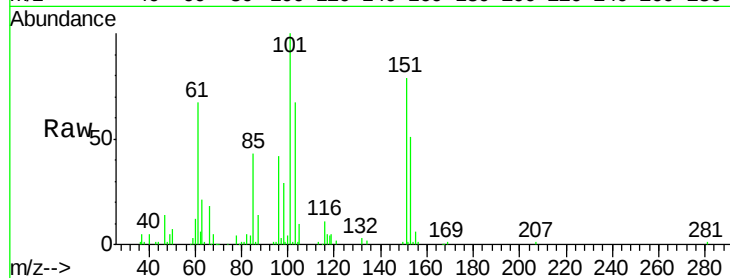
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	210651
Ion Ratio	Lower	Upper	
101	100		
85	41.7	35.4	53.2
151	77.2	61.4	92.0

Manual Integrations
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#10

Methyl Iodide

Concen: 54.629 ug/l

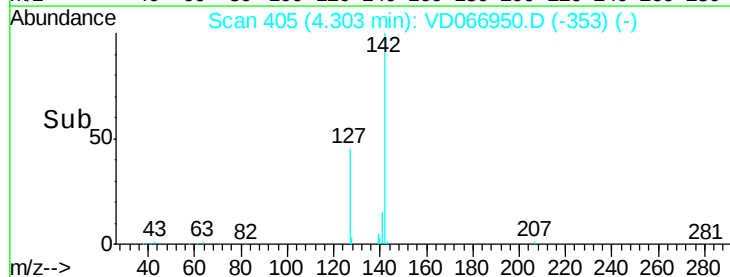
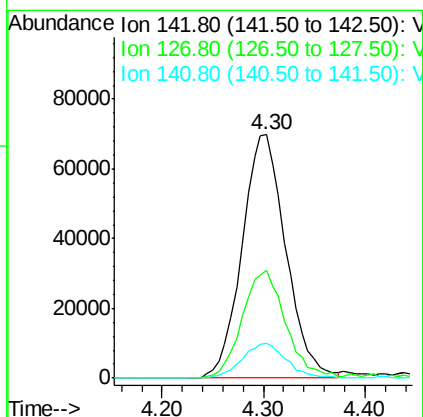
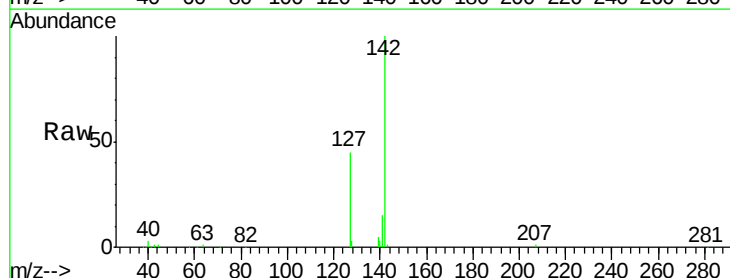
RT: 4.30 min Scan# 405

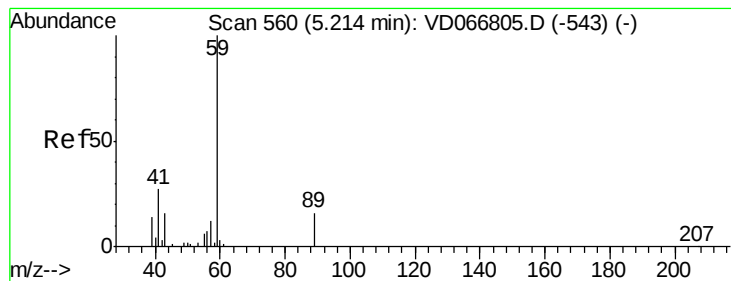
Delta R.T. 0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Tgt Ion:	142	Resp:	209057
Ion Ratio	Lower	Upper	
142	100		
127	43.9	39.4	59.0
141	14.4	12.1	18.1





#11

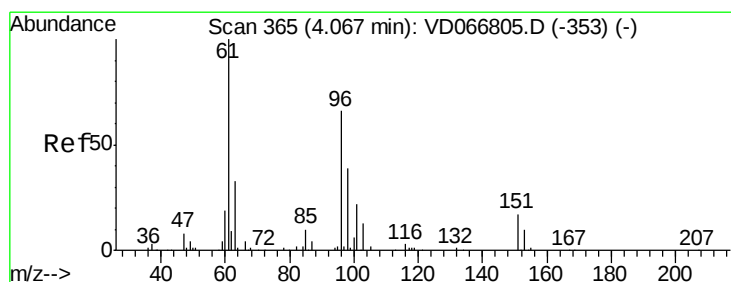
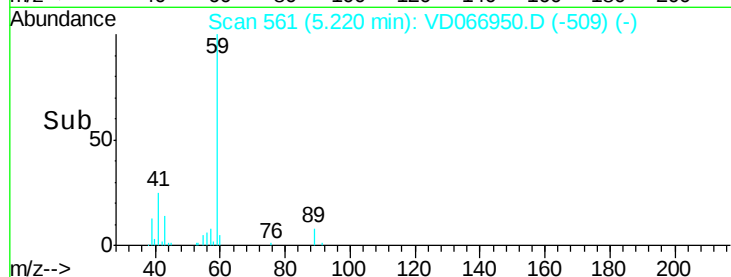
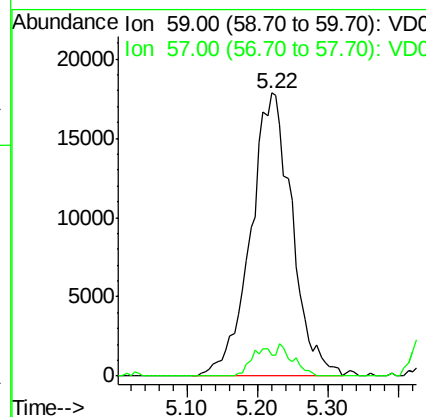
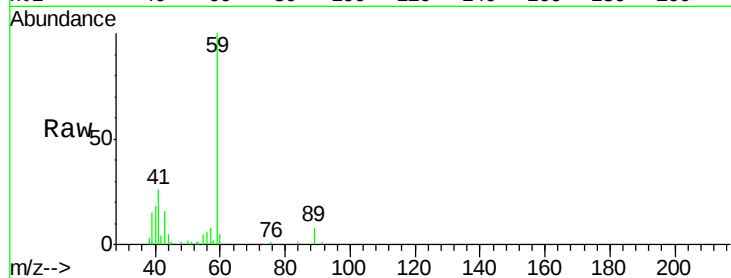
Tert butyl alcohol
 Concen: 321.543 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.01 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.1	8.3	12.5#

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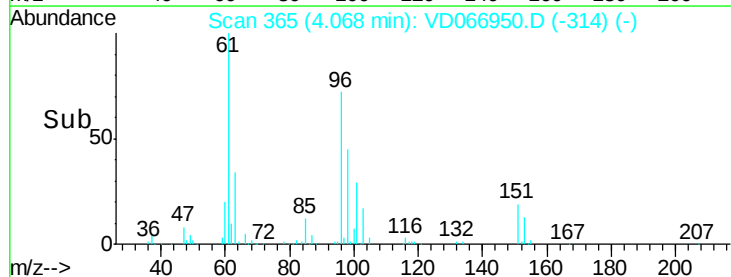
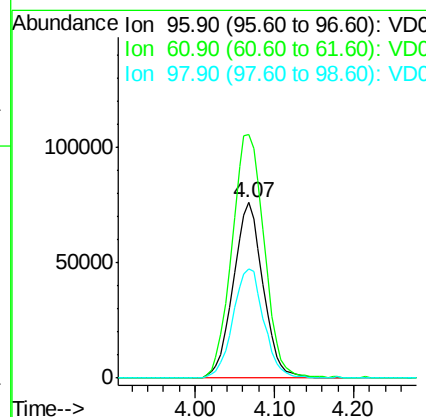
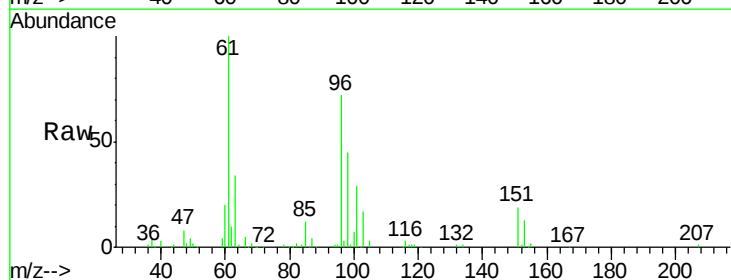
MMDadoda
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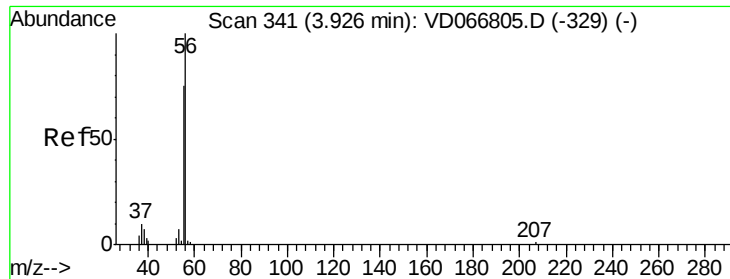


#12

1,1-Dichloroethene
 Concen: 50.505 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.6	120.8	181.2
98	62.2	47.7	71.5





#13

Acrolein

Concen: 259.694 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 75225

Ion Ratio Lower Upper

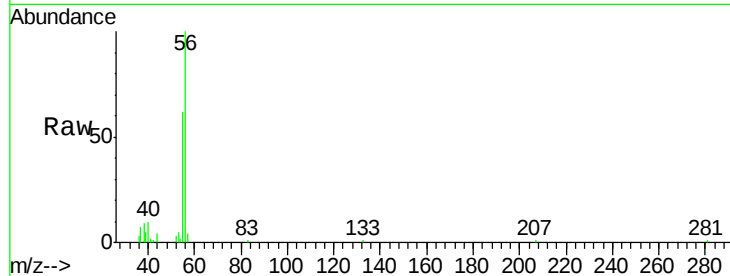
56 100

55 72.2 60.3 90.5

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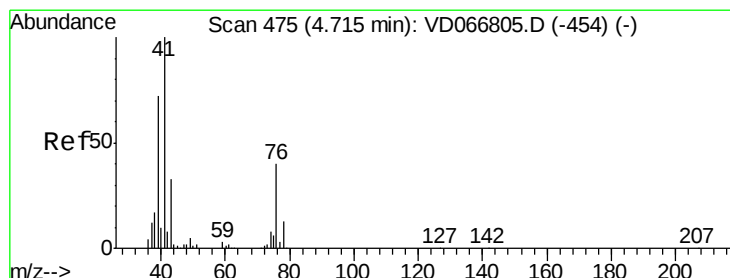
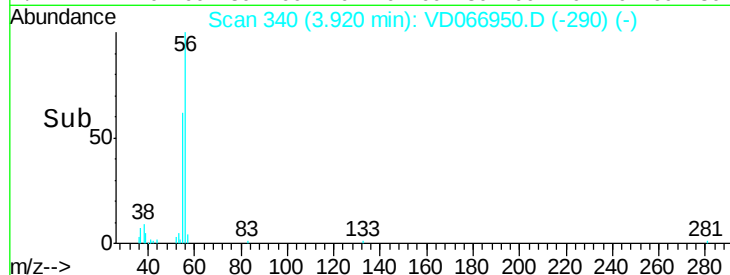
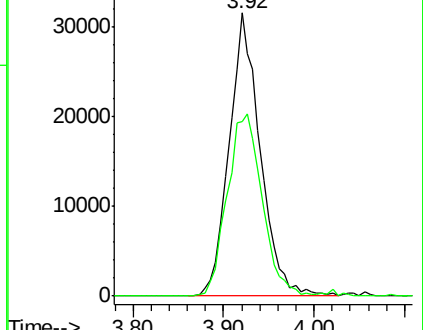
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 50.745 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

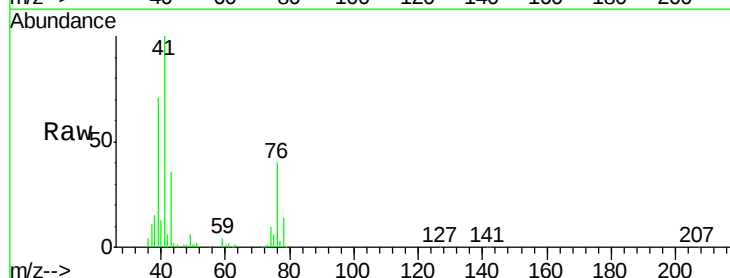
Tgt Ion: 41 Resp: 292729

Ion Ratio Lower Upper

41 100

39 68.7 57.8 86.8

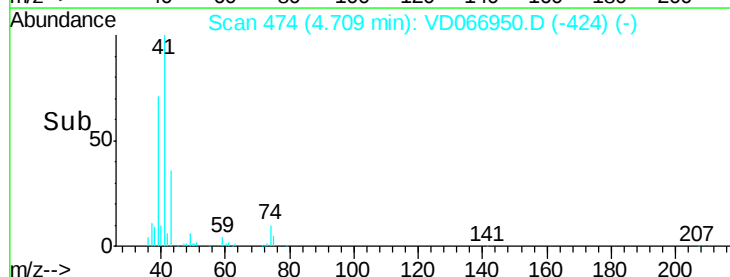
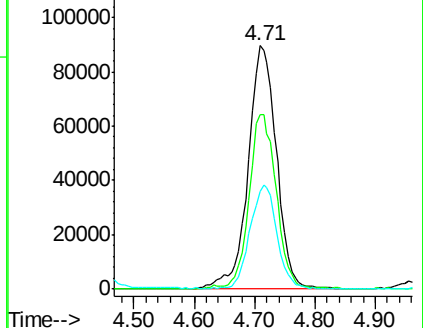
76 40.7 30.9 46.3

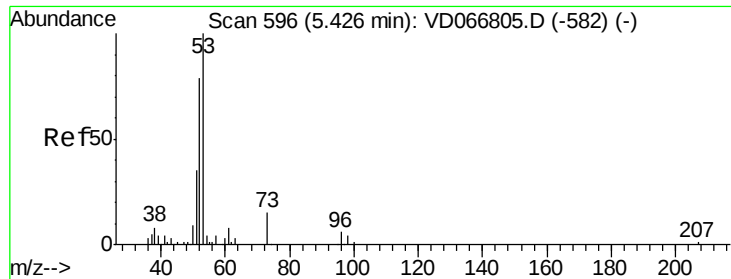


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 278.916 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

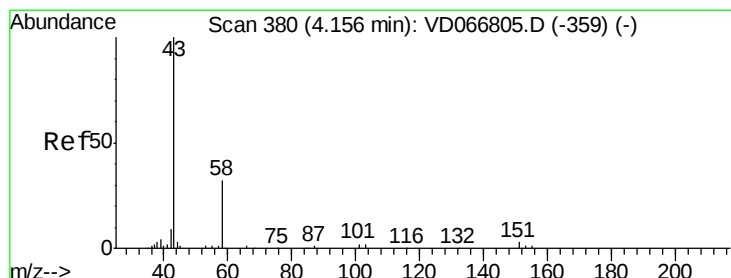
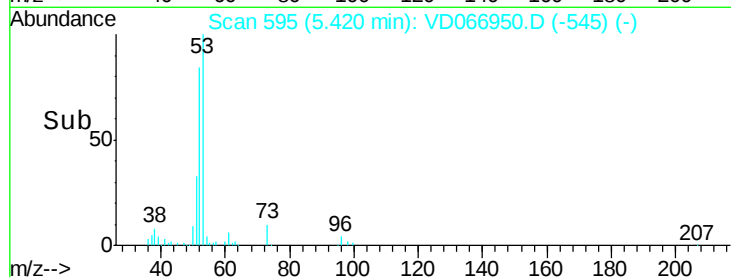
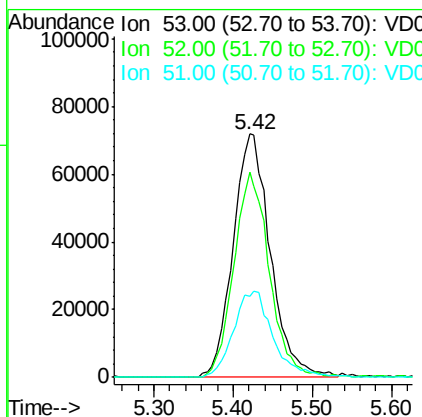
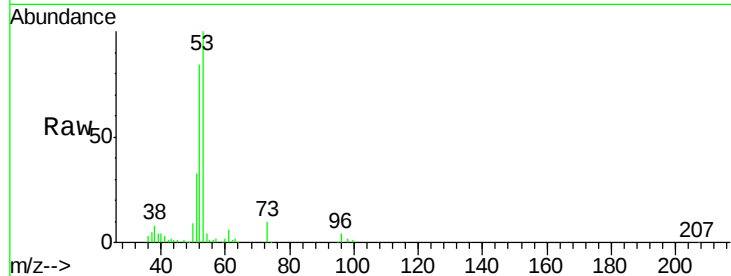
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	234684
Ion Ratio	Lower	Upper	
53	100		
52	80.0	65.2	97.8
51	37.3	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 216.693 ug/l

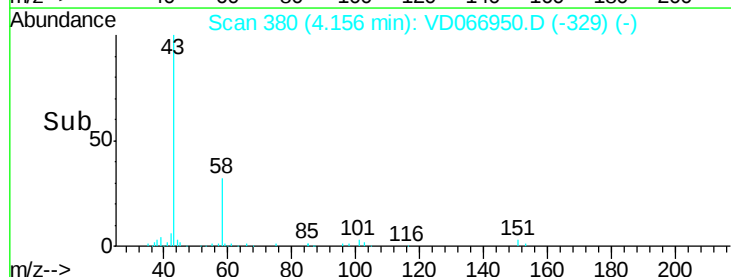
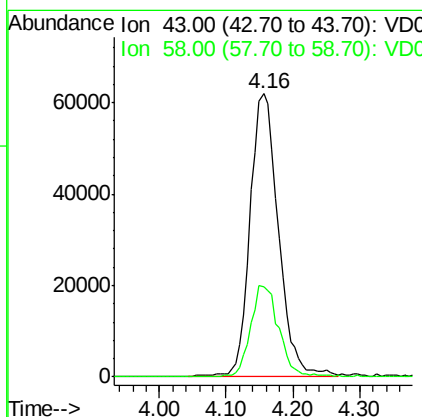
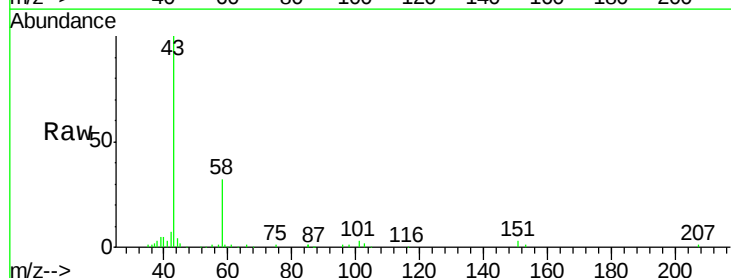
RT: 4.16 min Scan# 380

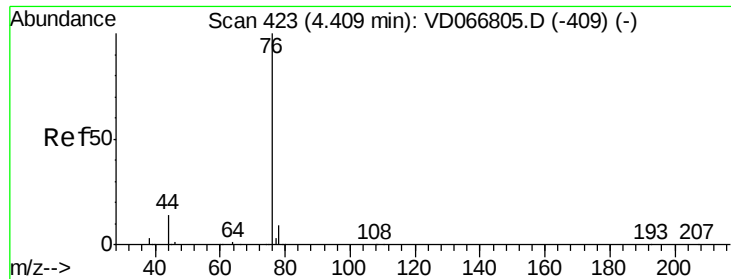
Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Tgt Ion:	43	Resp:	180500
Ion Ratio	Lower	Upper	
43	100		
58	31.7	25.6	38.4





#17

Carbon Disulfide

Concen: 46.229 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 555234

Ion Ratio Lower Upper

76 100

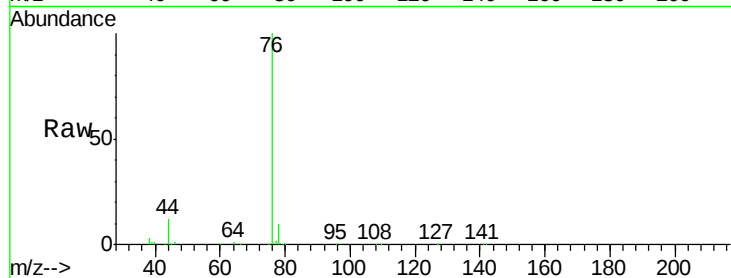
78 9.6 7.6 11.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

200000

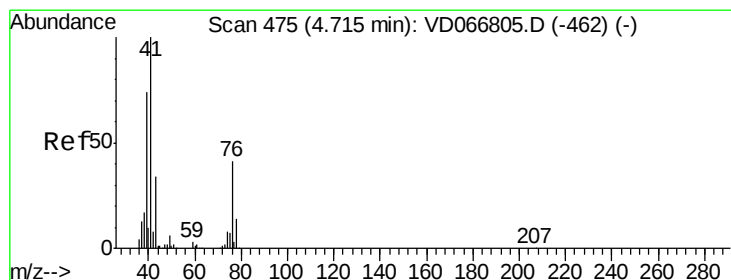
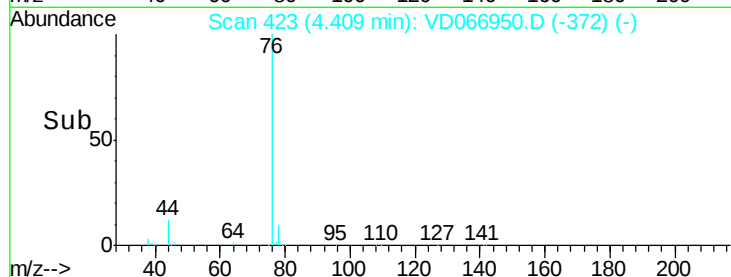
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 59.661 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066950.D

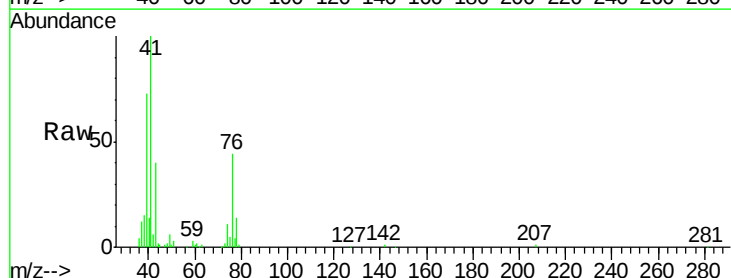
Acq: 29 Sep 2020 21:20

Tgt Ion: 43 Resp: 109581

Ion Ratio Lower Upper

43 100

74 27.1 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

40000

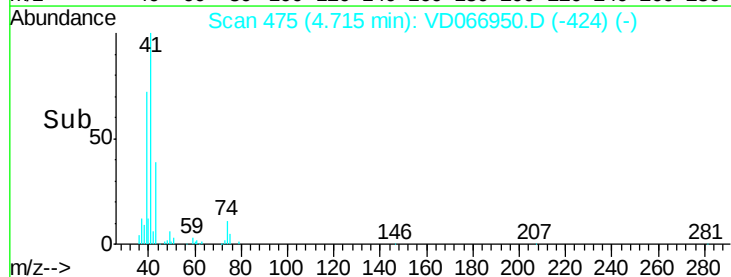
30000

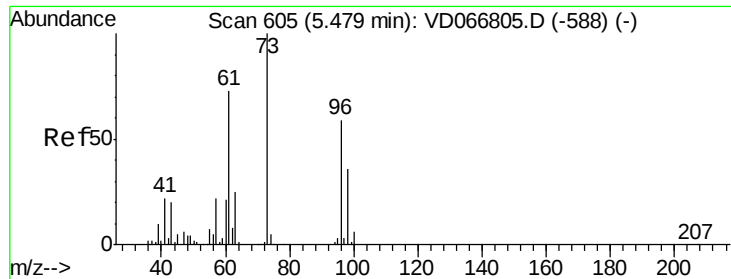
20000

10000

0

Time-->





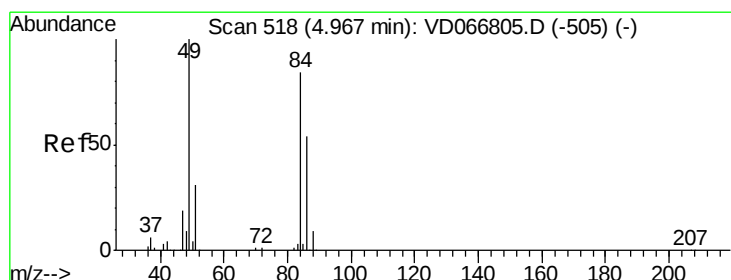
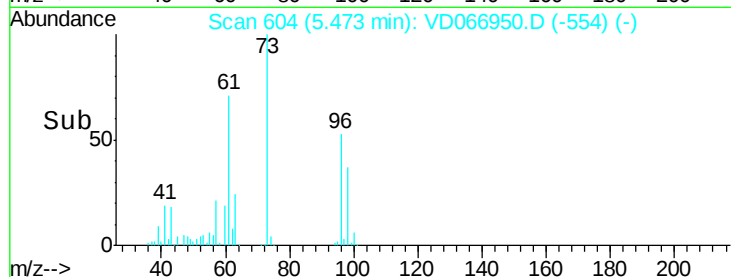
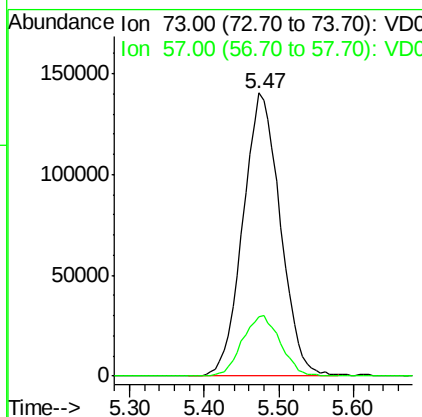
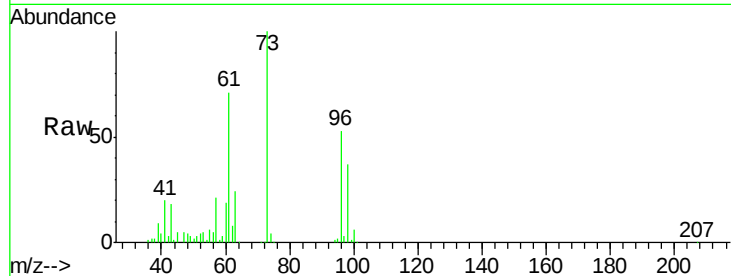
#19
Methvl tert-butvl Ether
Concen: 57.220 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 488167
Ion Ratio Lower Upper
73 100
57 21.0 17.4 26.2

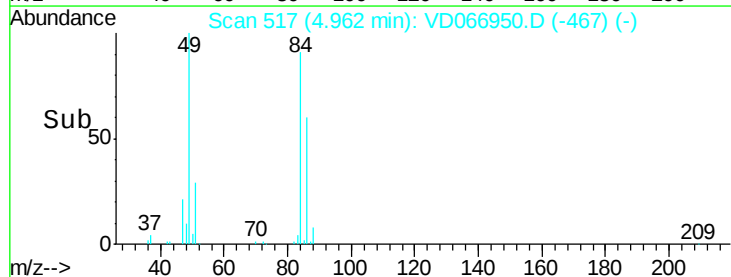
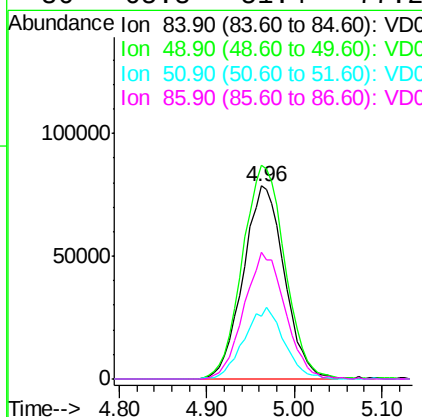
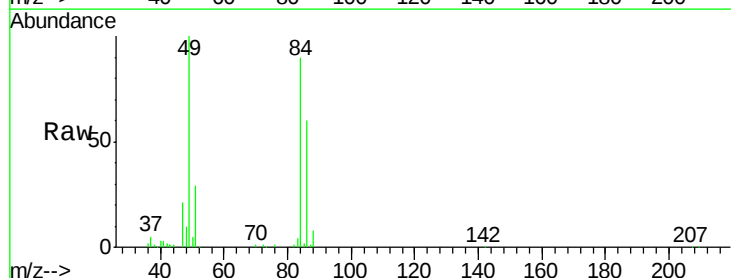
Manual Integrations
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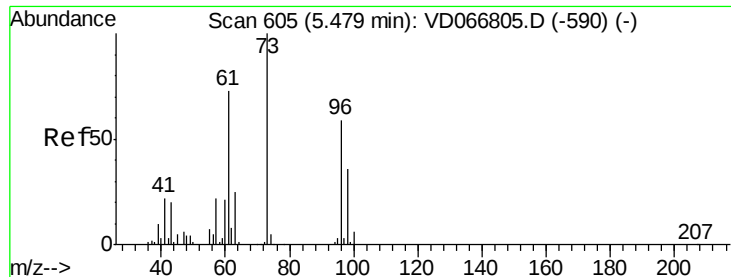
MMDadoda
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#20
Methylene Chloride
Concen: 57.134 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Tgt Ion: 84 Resp: 253117
Ion Ratio Lower Upper
84 100
49 110.6 95.4 143.2
51 32.3 29.7 44.5
86 65.8 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 51.435 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

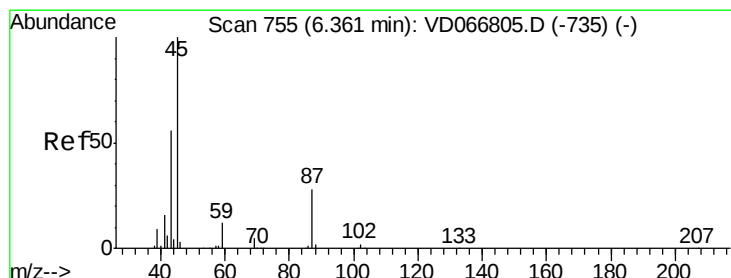
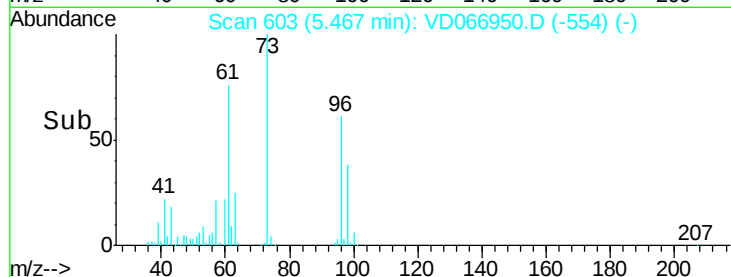
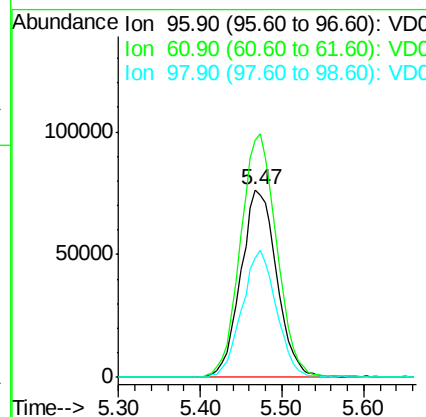
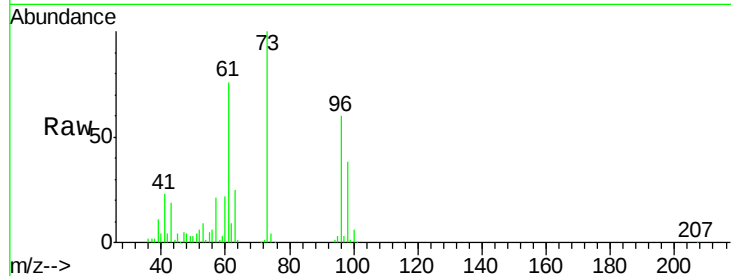
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	233967
Ion	Ratio	Lower	Upper
96	100		
61	126.3	98.9	148.3
98	63.4	48.4	72.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.128 ug/l

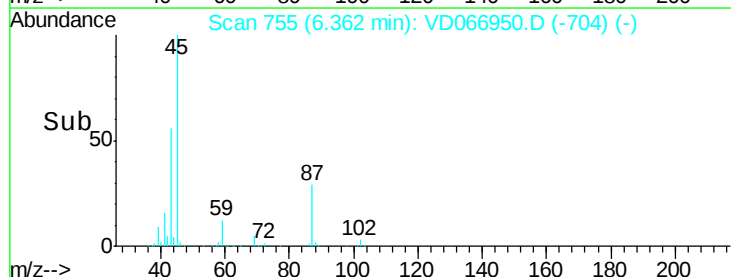
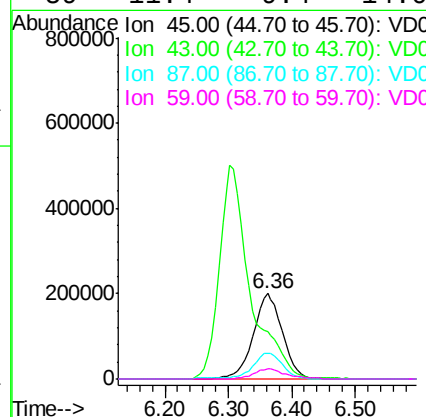
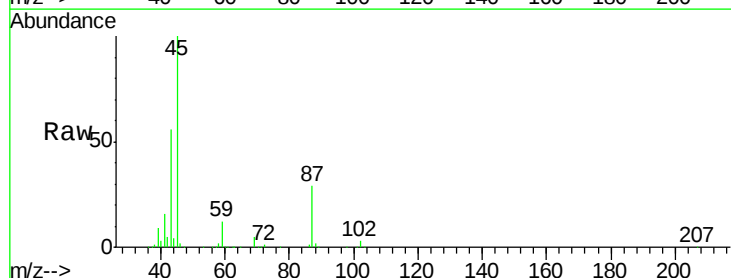
RT: 6.36 min Scan# 755

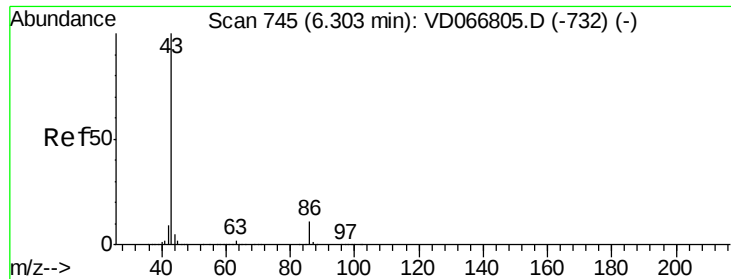
Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Tgt Ion:	45	Resp:	642011
Ion	Ratio	Lower	Upper
45	100		
43	55.2	44.5	66.7
87	29.2	22.9	34.3
59	11.4	9.4	14.0





#23

Vinyl Acetate

Concen: 265.913 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1713492

Ion Ratio Lower Upper

43 100

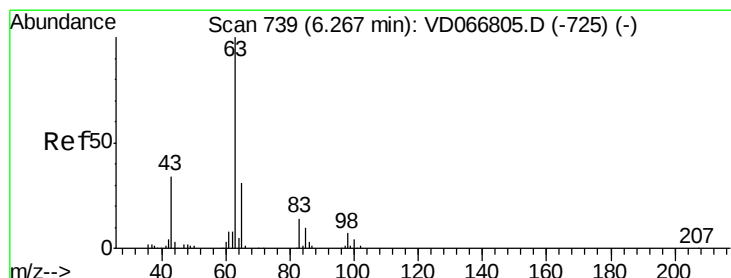
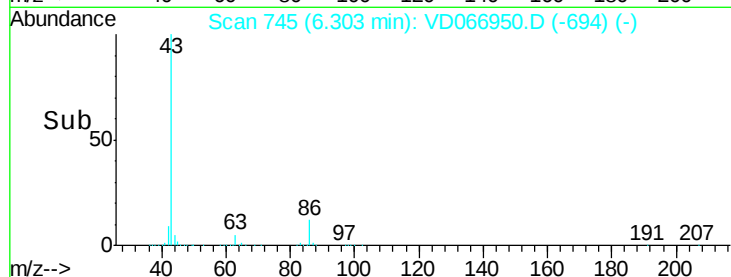
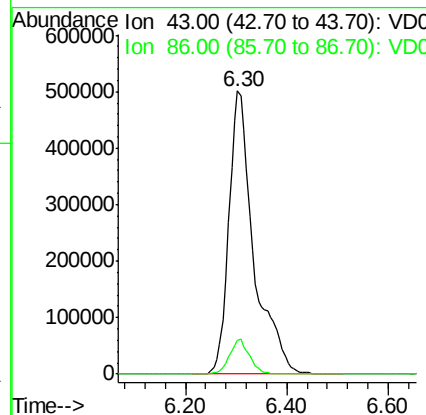
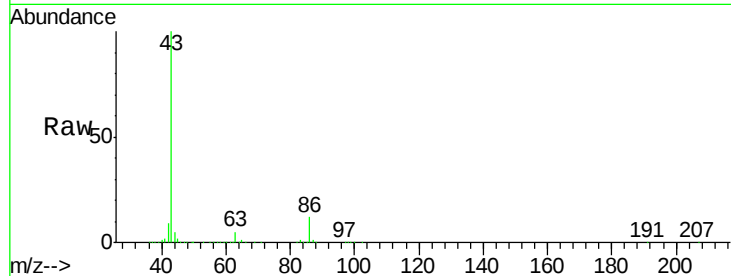
86 12.1 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.604 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

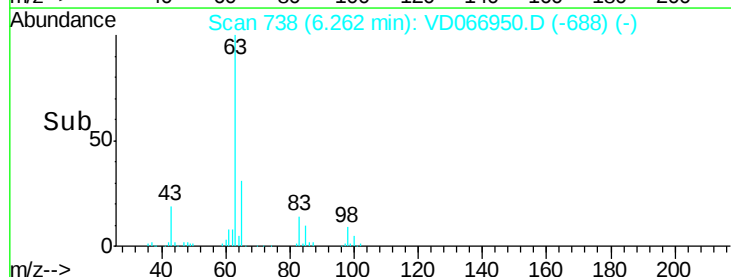
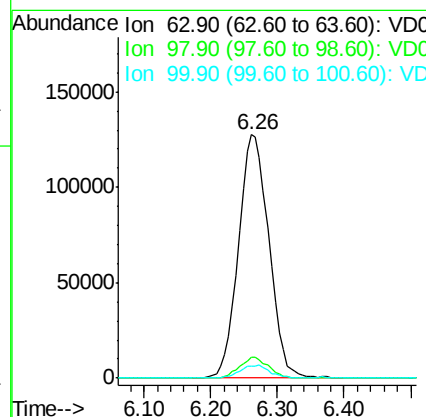
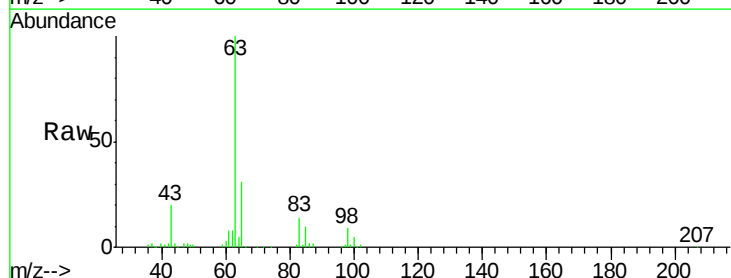
Tgt Ion: 63 Resp: 401530

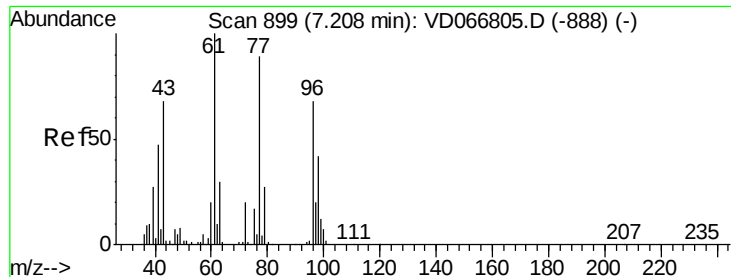
Ion Ratio Lower Upper

63 100

98 8.7 3.7 11.1

100 4.8 1.8 5.5





#25

2-Butanone

Concen: 269.377 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 269650

Ion Ratio Lower Upper

43 100

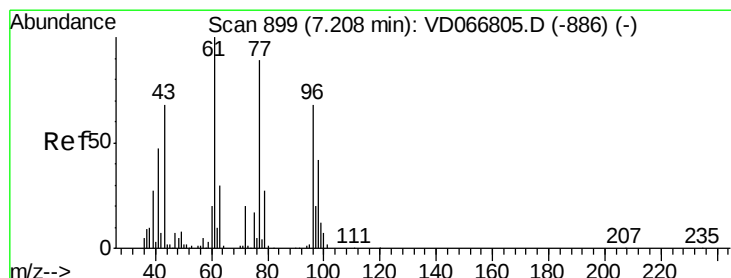
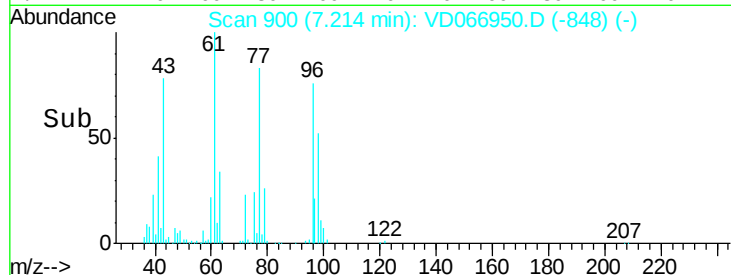
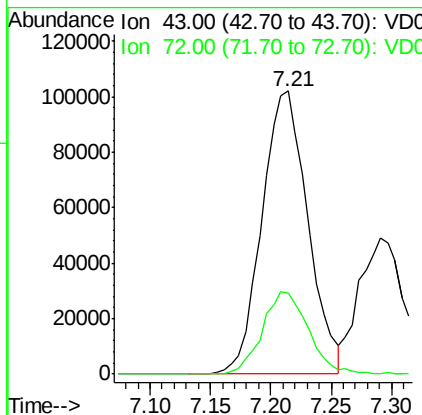
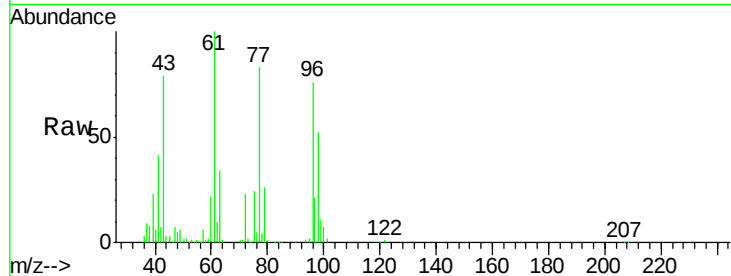
72 28.7 22.9 34.3

Manual Integrations

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9/30/2020 1:22:21 PM



#26

2,2-Dichloropropane

Concen: 45.952 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066950.D

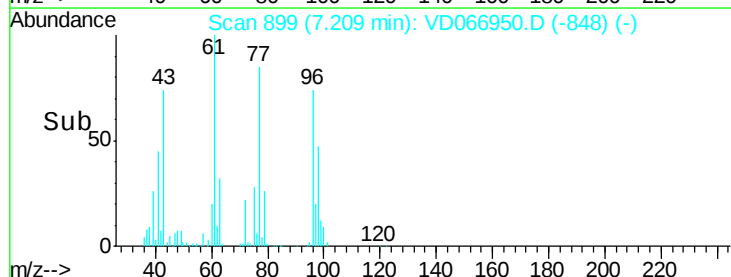
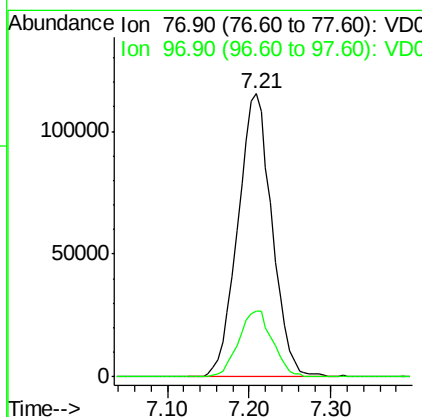
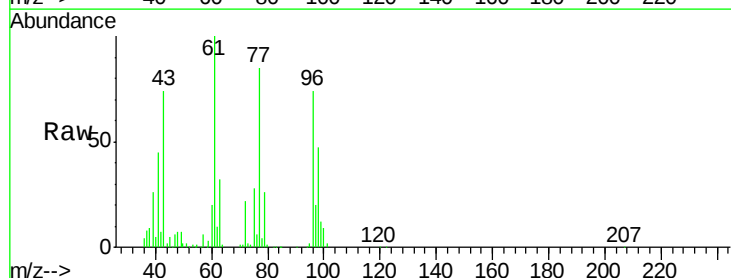
Acq: 29 Sep 2020 21:20

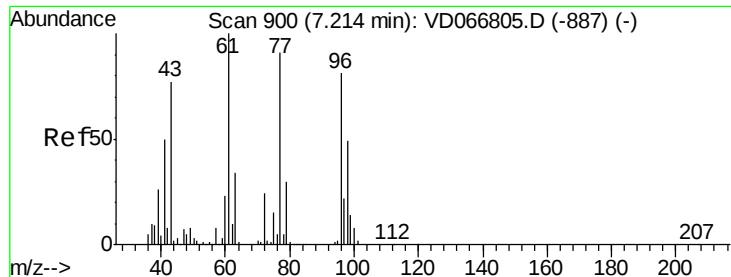
Tgt Ion: 77 Resp: 334196

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.1





#27

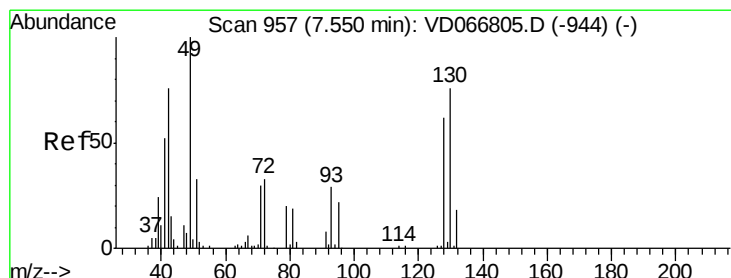
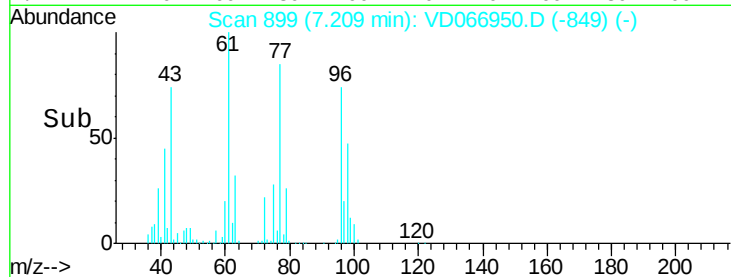
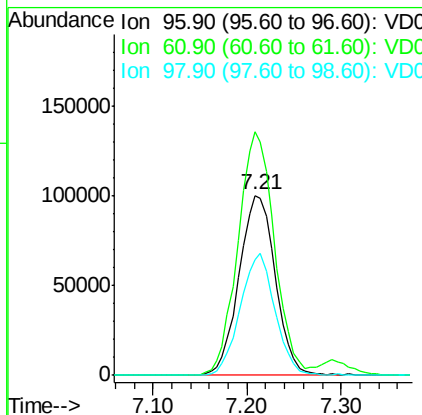
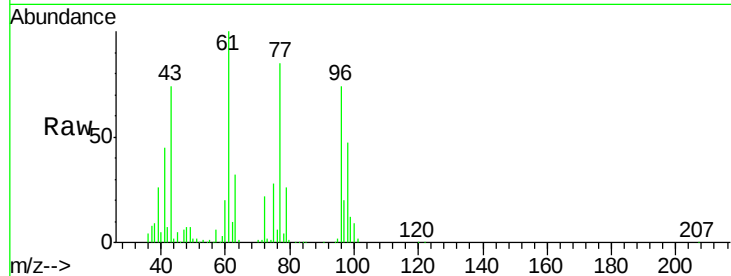
cis-1,2-Dichloroethene
 Concen: 54.337 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	268550		
61	135.5		0.0	283.8
98	64.8		0.0	128.4

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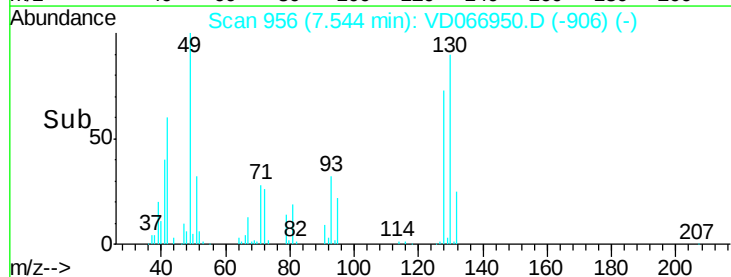
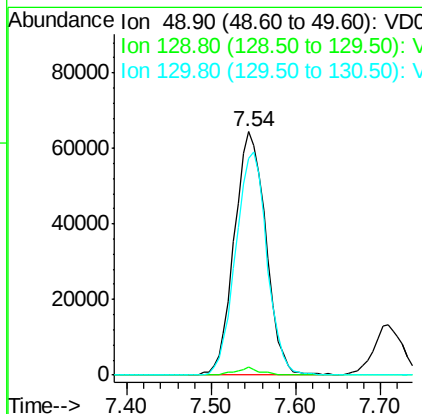
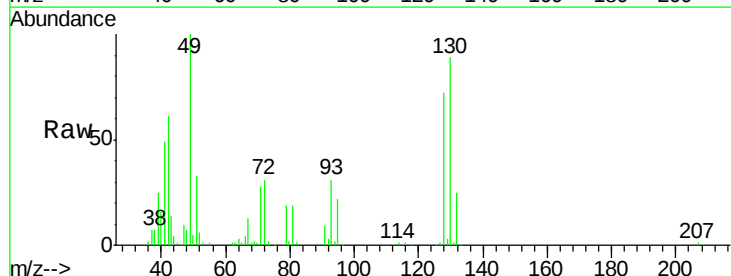
MMDadoda
 9/30/2020 1:22:21 PM

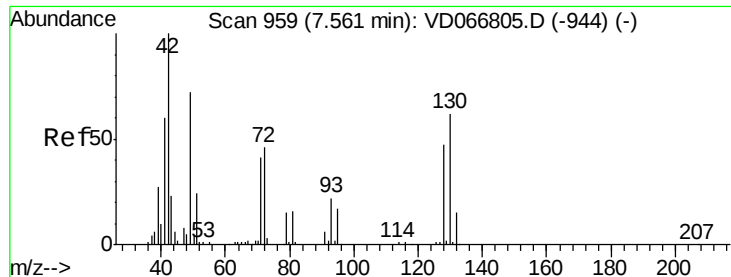


#28

Bromochloromethane
 Concen: 50.813 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	166568		
129	2.3		0.0	2.0#
130	90.9		65.9	98.9





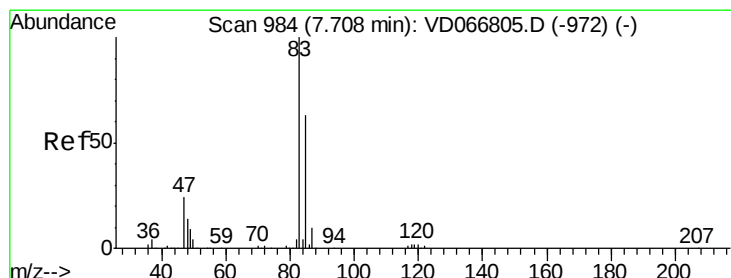
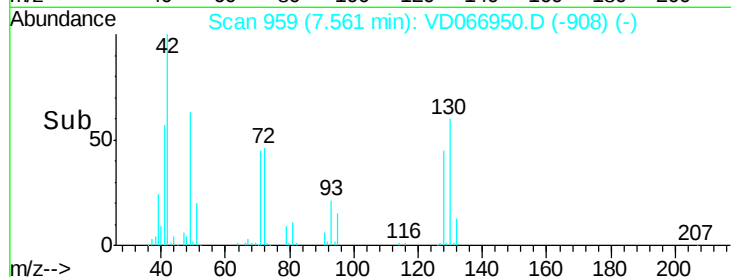
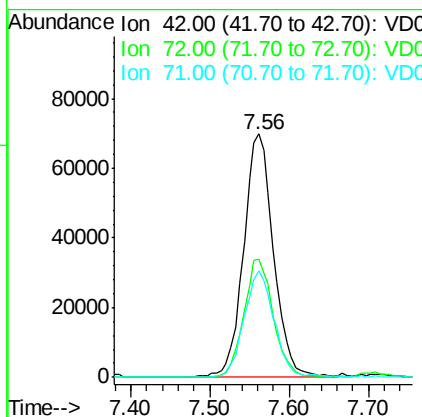
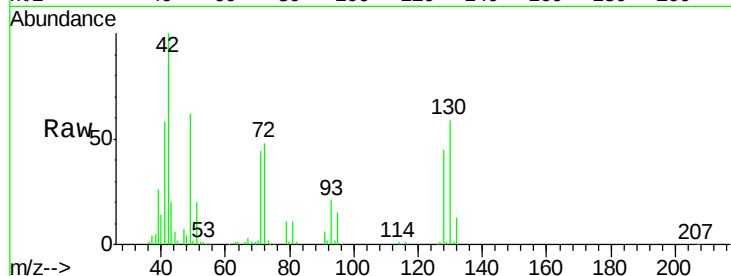
#29
Tetrahydrofuran
Concen: 286.272 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.7	36.2	54.4
71	43.4	32.4	48.6

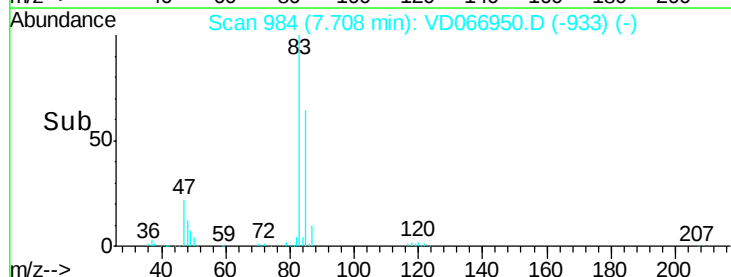
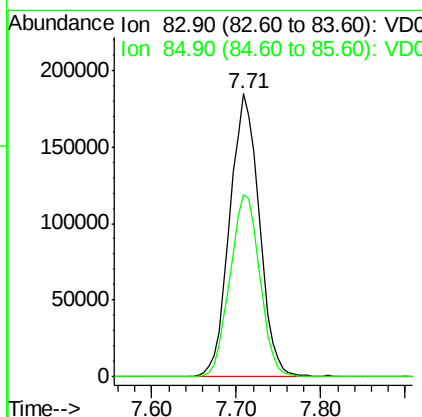
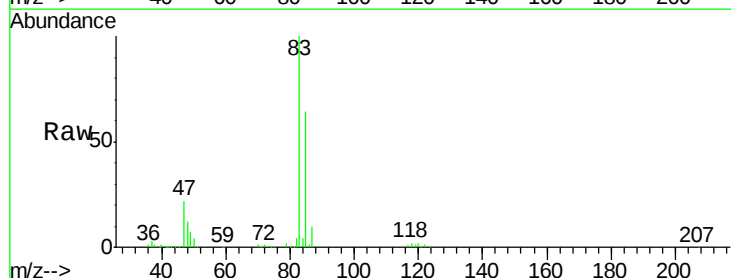
Manual Integrations
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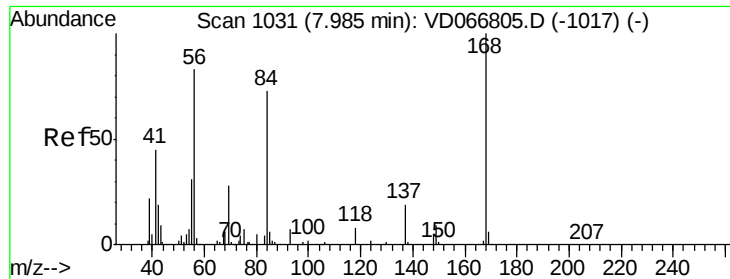
MMDadoda
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#30
Chloroform
Concen: 52.035 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.6	75.8





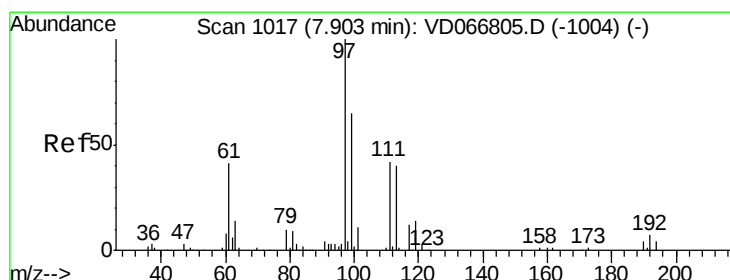
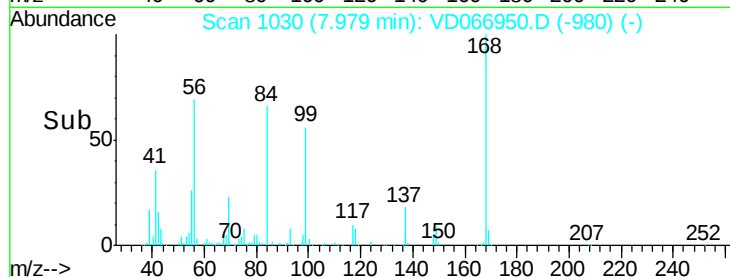
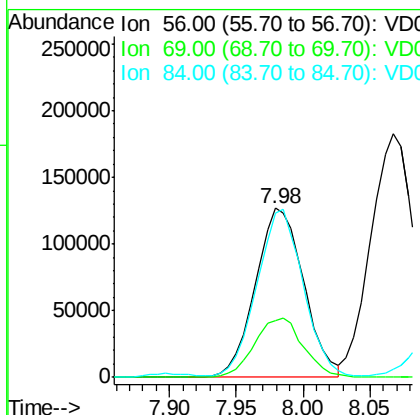
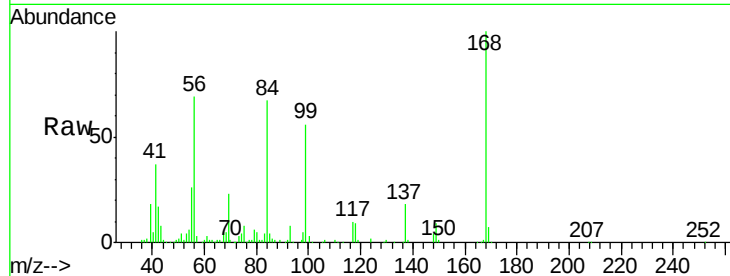
#31
Cyclohexane
Concen: 44.630 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	33.3	27.0	40.4	
84	95.3	70.2	105.4	

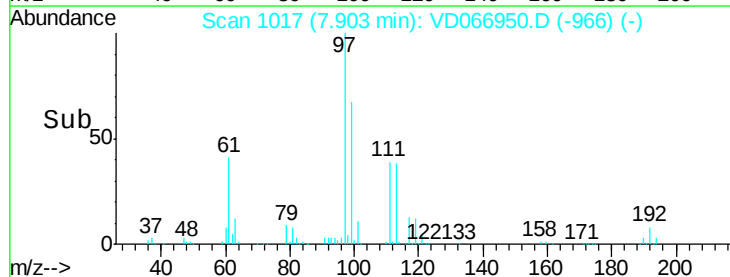
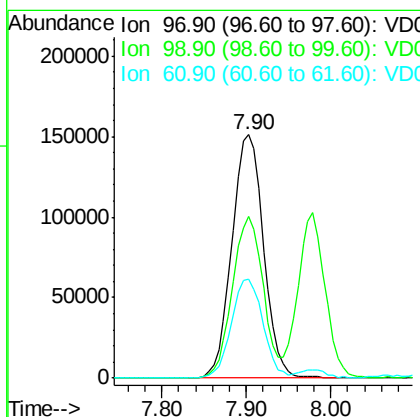
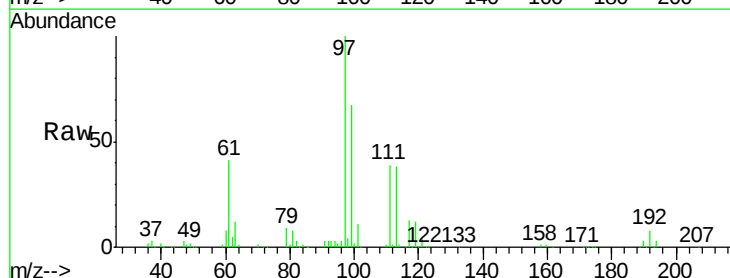
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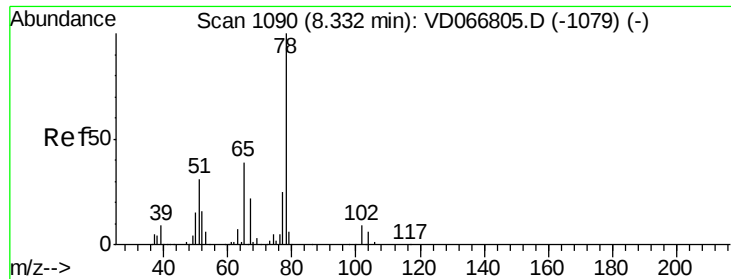
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 50.532 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	65.4	51.5	77.3	
61	40.4	34.2	51.4	





#33

1,2-Dichloroethane-d4

Concen: 44.666 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 175386

Ion Ratio Lower Upper

65 100

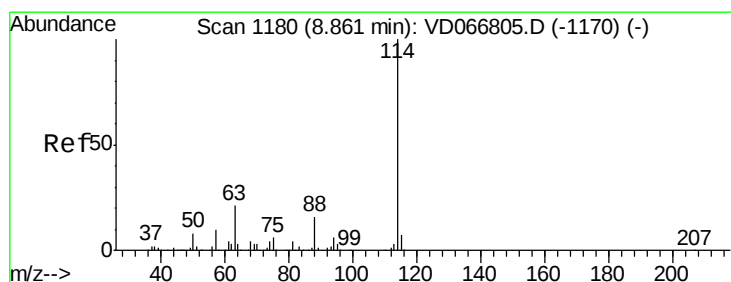
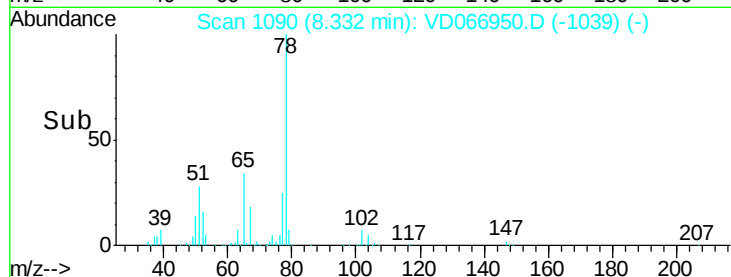
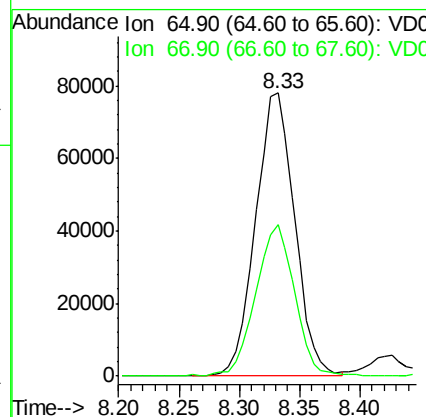
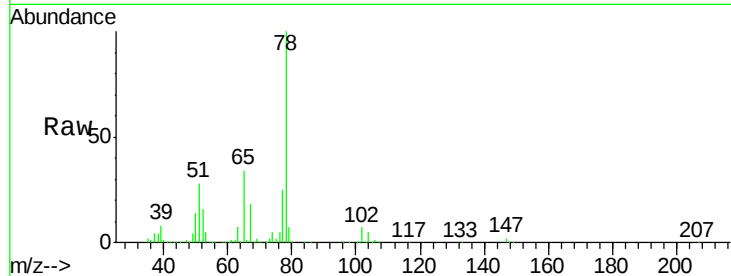
67 53.2 0.0 107.2

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9/30/2020 1:22:21 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

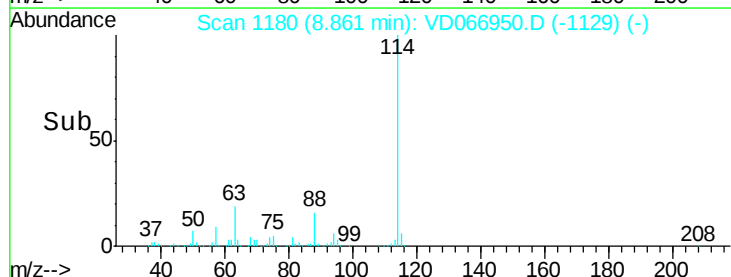
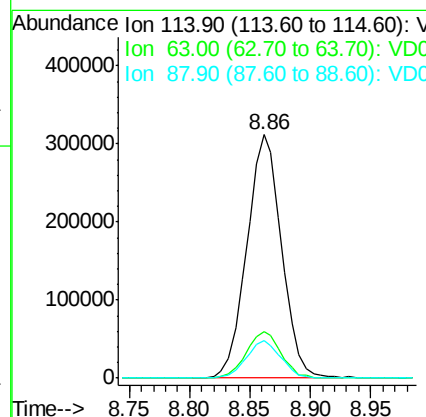
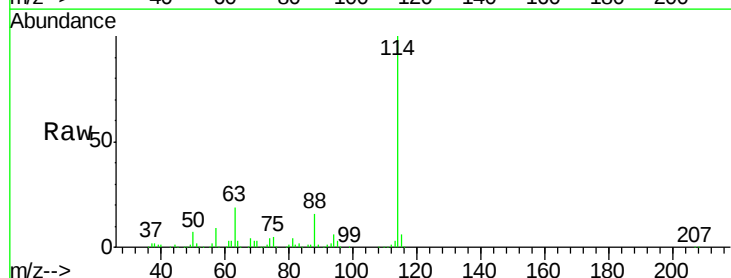
Tgt Ion: 114 Resp: 623982

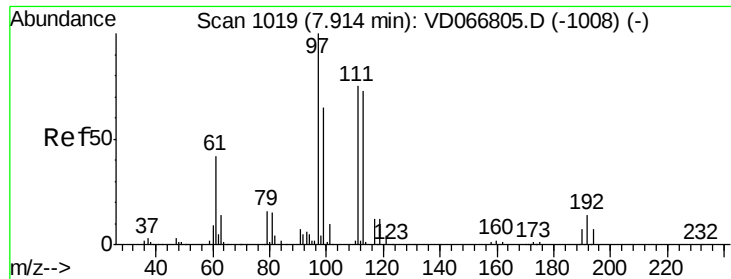
Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.6

88 15.6 0.0 32.6





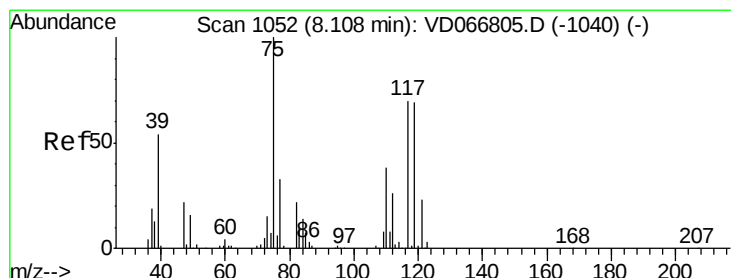
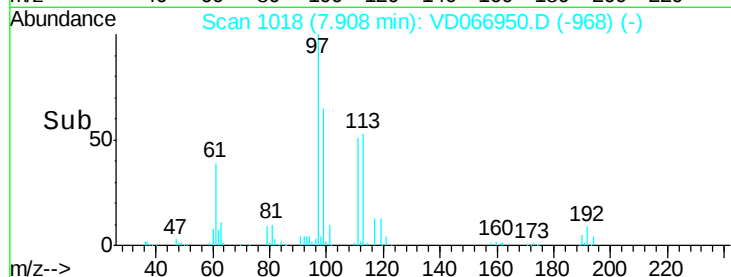
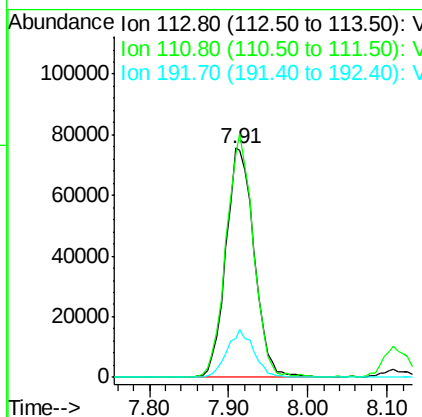
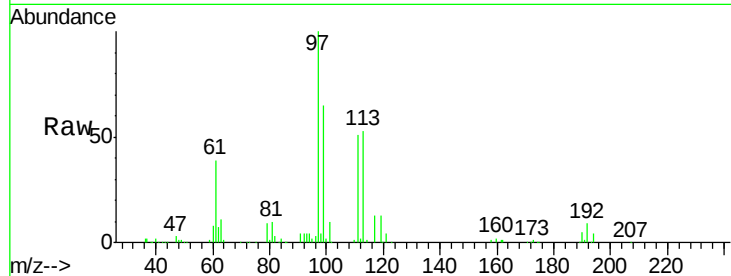
#35
 Dibromofluoromethane
 Concen: 47.022 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	186667		
111	101.6	81.8	122.8	
192	19.6	14.4	21.6	

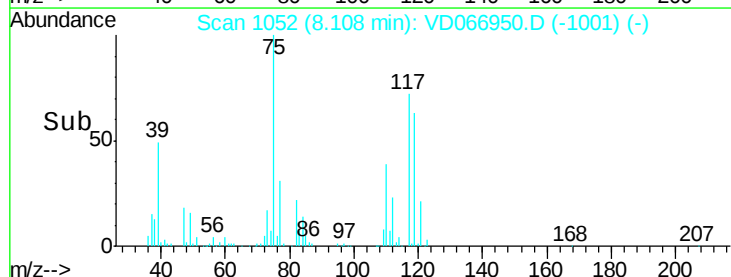
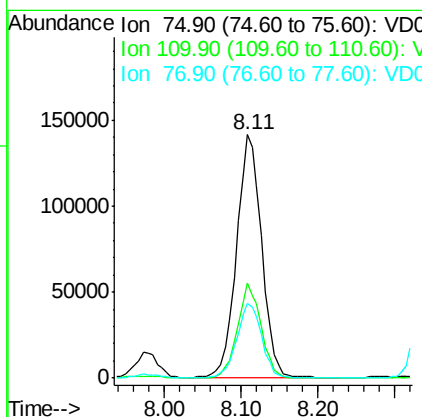
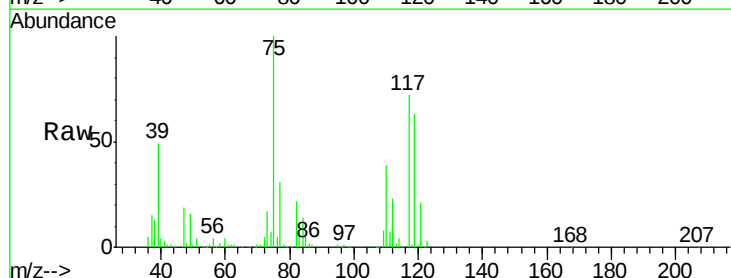
Manual Integrations
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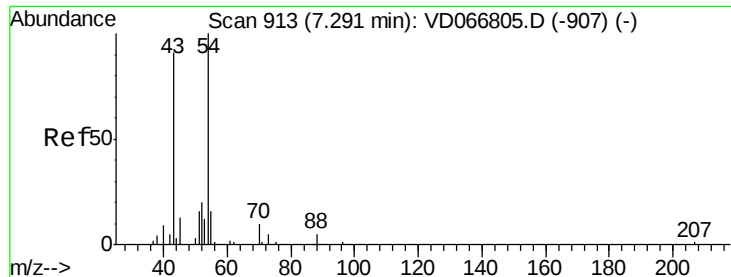
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#36
 1,1-Dichloropropene
 Concen: 52.239 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	323378		
110	36.6	17.9	53.8	
77	30.7	25.0	37.6	





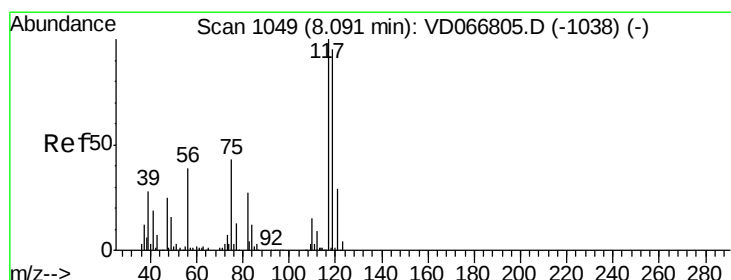
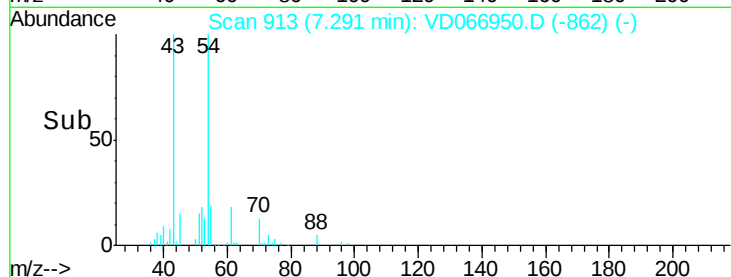
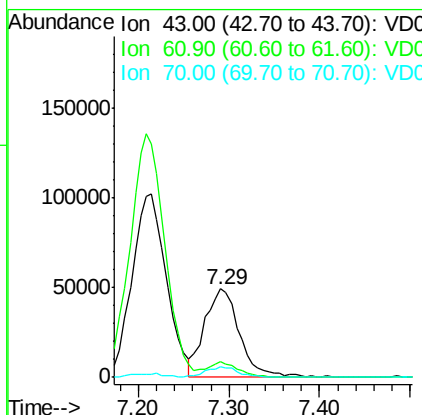
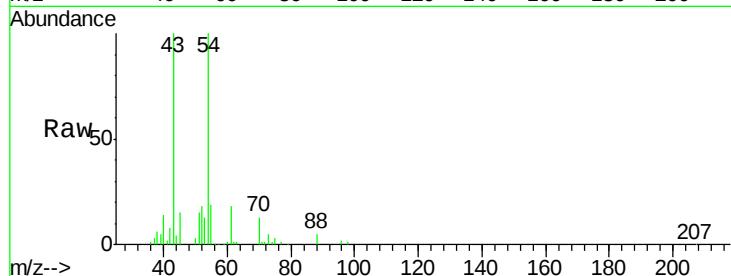
#37
Ethyl Acetate
Concen: 58.763 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	14.0	9.8	14.8	
70	11.2	8.5	12.7	

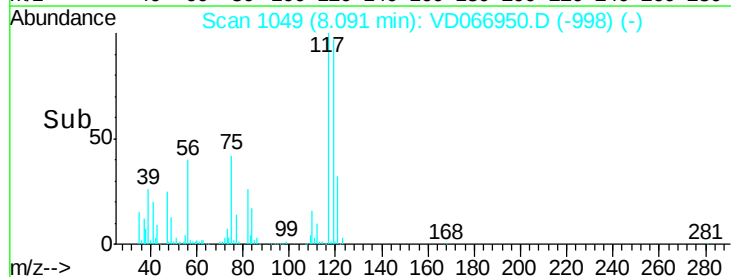
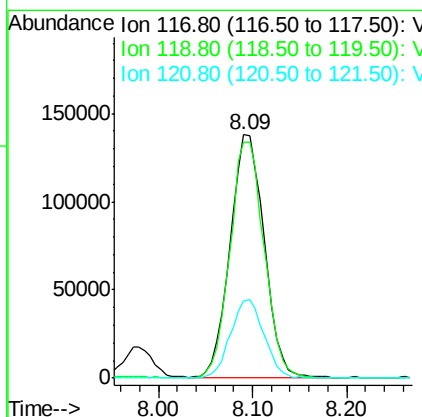
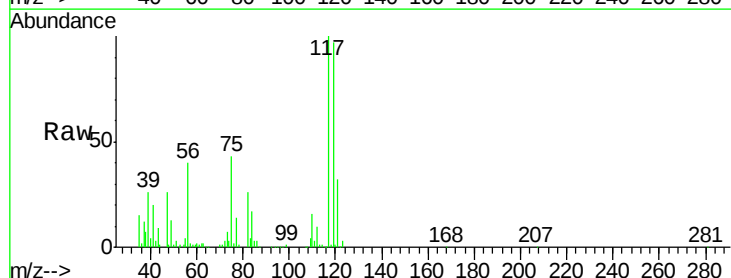
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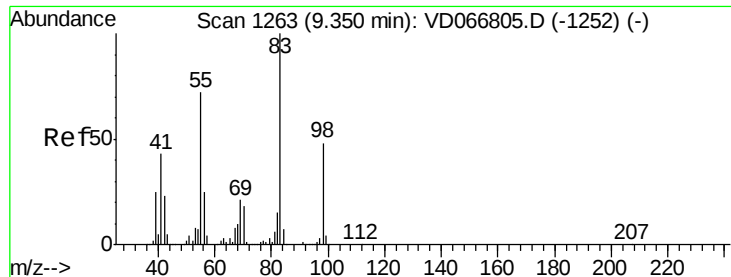
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#38
Carbon Tetrachloride
Concen: 51.415 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.2	75.8	113.8	
121	31.9	23.4	35.0	





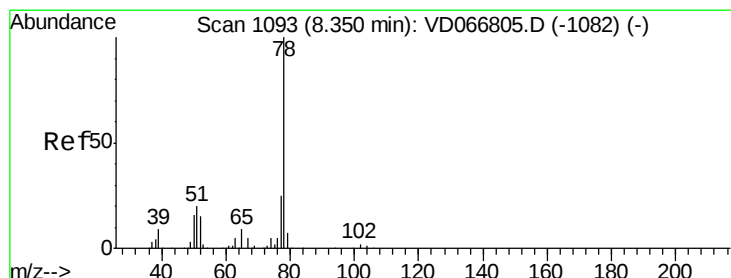
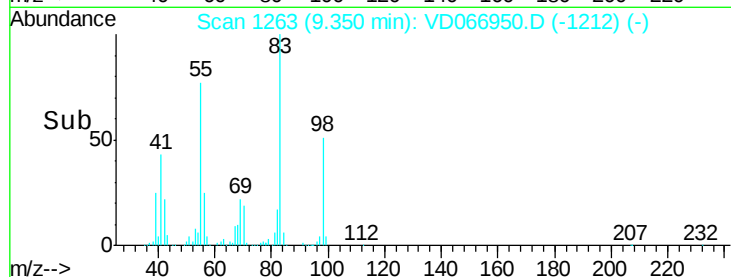
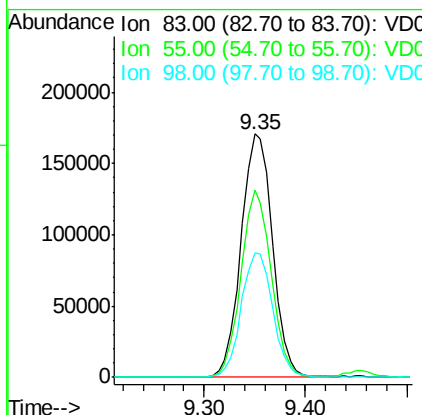
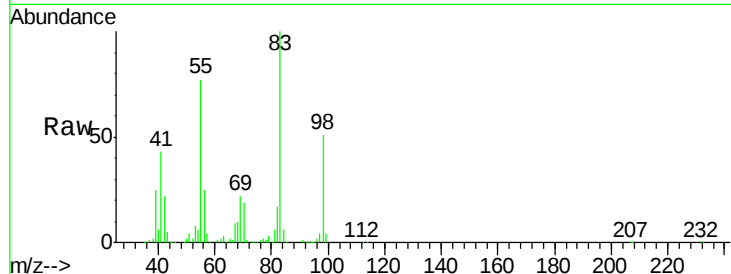
#39
Methvlcvclohexane
Concen: 51.882 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	368750
Ion Ratio	Lower	Upper	
83	100		
55	76.8	57.7	86.5
98	51.1	38.4	57.6

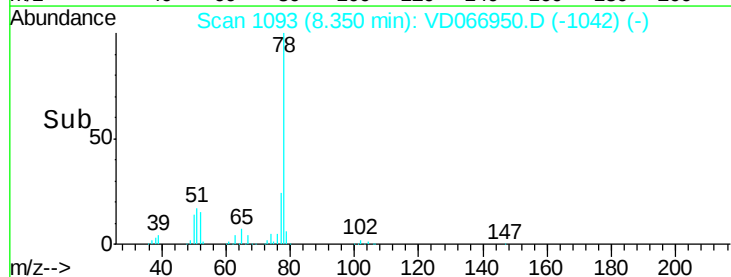
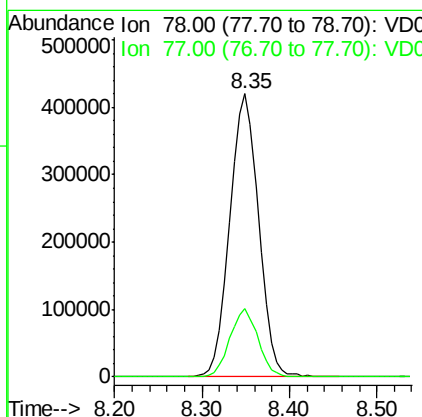
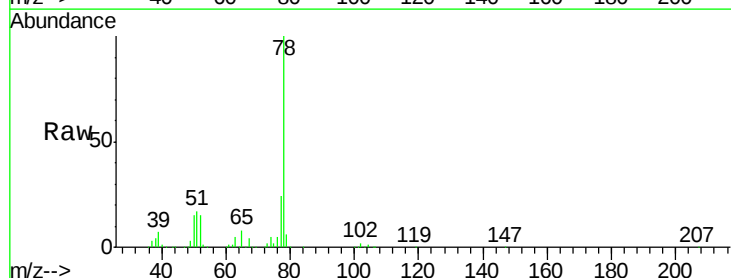
Manual Integrations
APPROVED

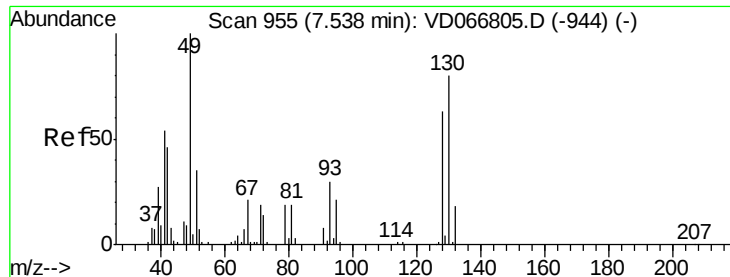
MMDadoda
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#40
Benzene
Concen: 54.628 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Tgt Ion	78	Resp	942473
Ion Ratio	Lower	Upper	
78	100		
77	24.1	19.9	29.9





#41

Methacrylonitrile

Concen: 41.384 ug/l m

RT: 7.52 min Scan# 952

Delta R.T. -0.02 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 56954

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

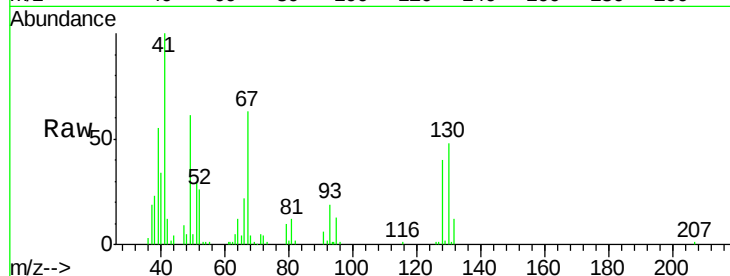
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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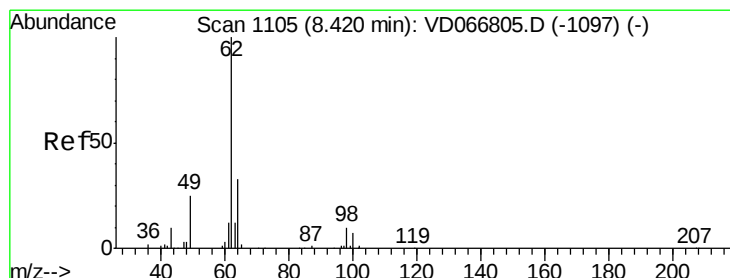
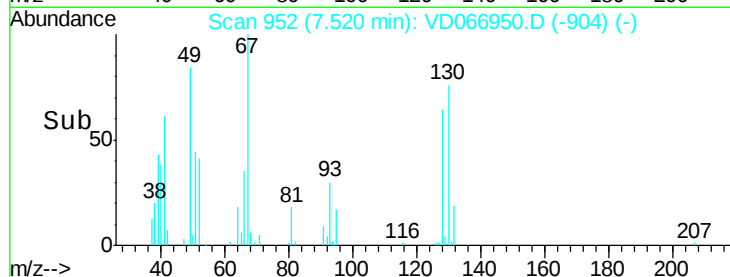
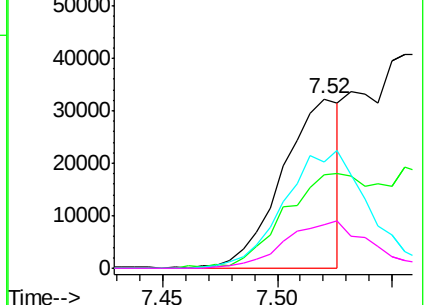


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 53.872 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066950.D

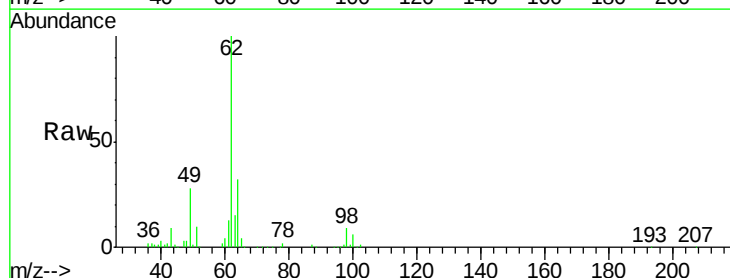
Acq: 29 Sep 2020 21:20

Tgt Ion: 62 Resp: 274763

Ion Ratio Lower Upper

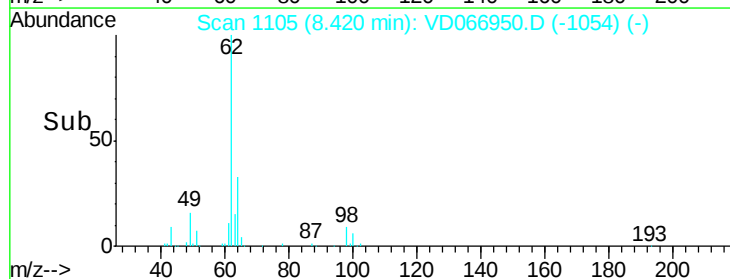
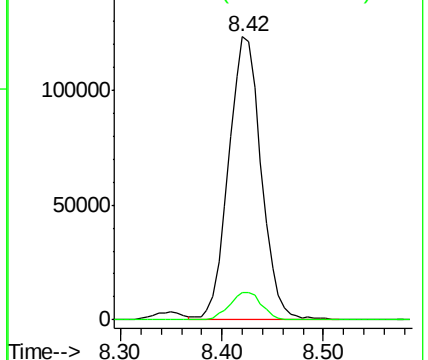
62 100

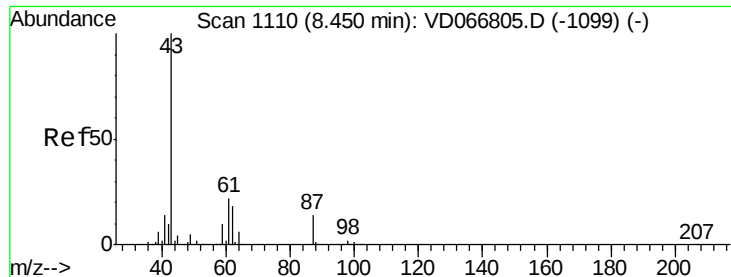
98 9.7 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 56.574 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

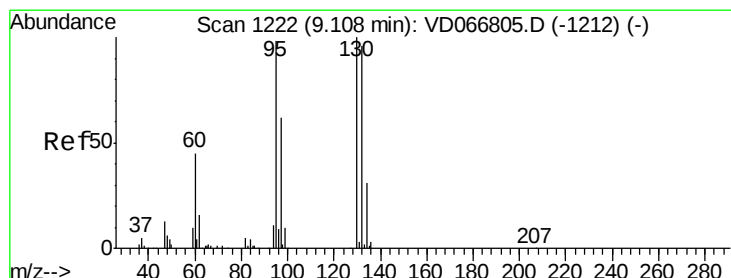
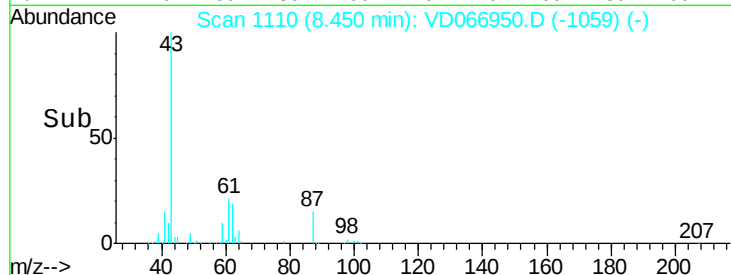
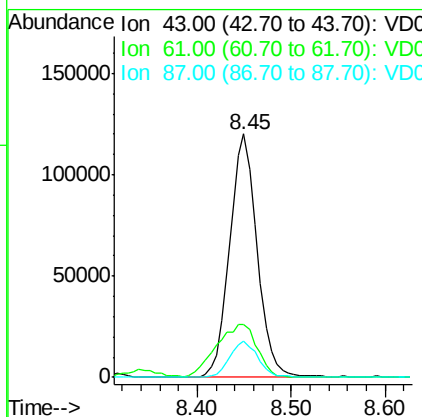
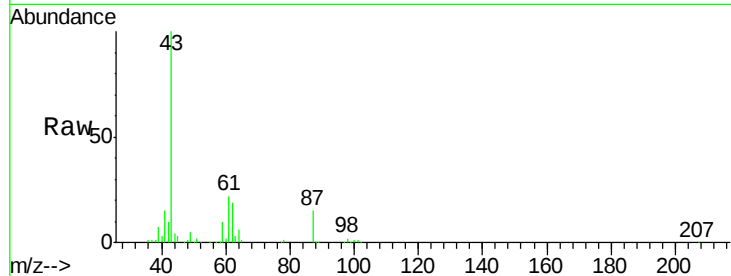
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	244090
Ion	Ratio	Lower	Upper
43	100		
61	32.3	26.2	39.4
87	15.2	11.5	17.3

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#44

Trichloroethene

Concen: 54.385 ug/l

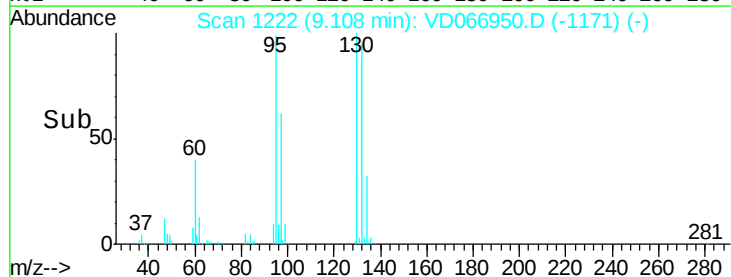
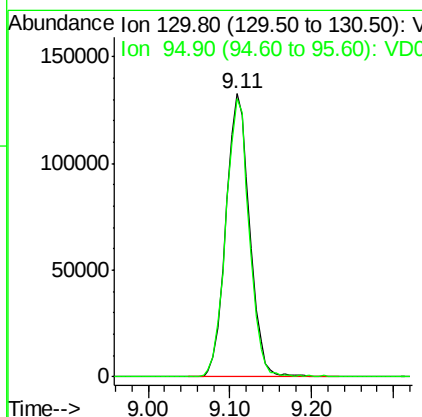
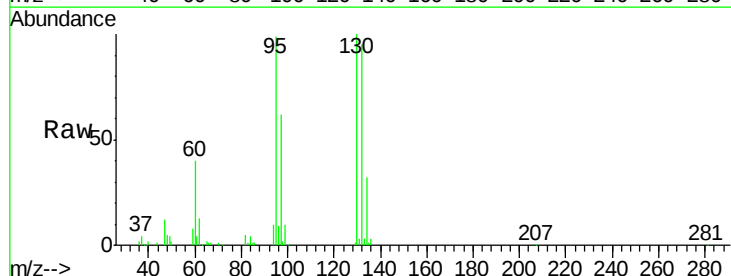
RT: 9.11 min Scan# 1222

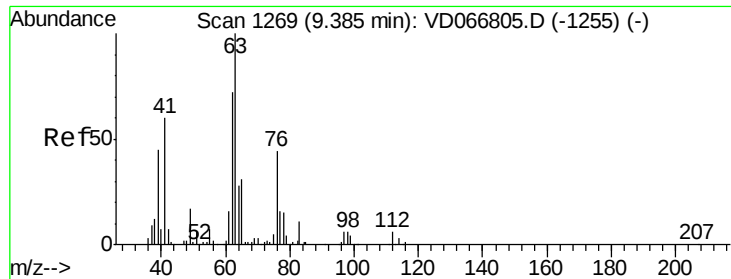
Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Tgt Ion:	130	Resp:	267444
Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	197.0





#45

1,2-Dichloropropane

Concen: 54.294 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 235678

Ion Ratio Lower Upper

63 100

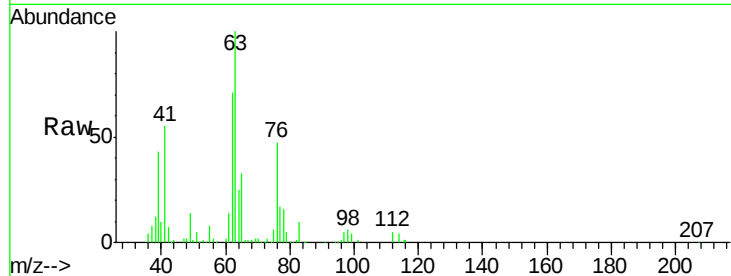
65 33.4 24.7 37.1

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

120000

100000

80000

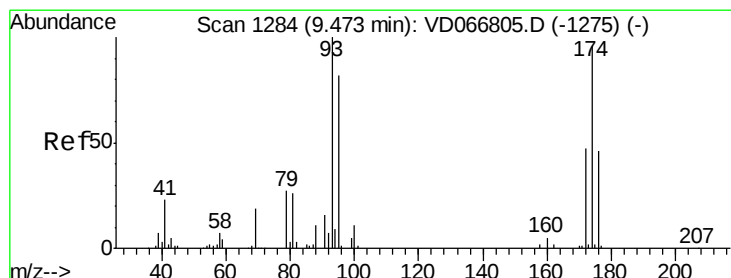
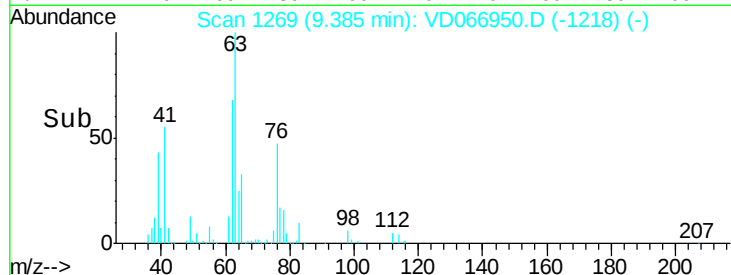
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 55.765 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

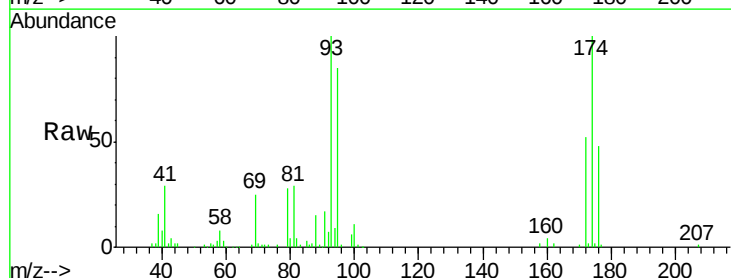
Tgt Ion: 93 Resp: 131518

Ion Ratio Lower Upper

93 100

95 82.5 65.3 97.9

174 99.7 75.4 113.2



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

9.47

80000

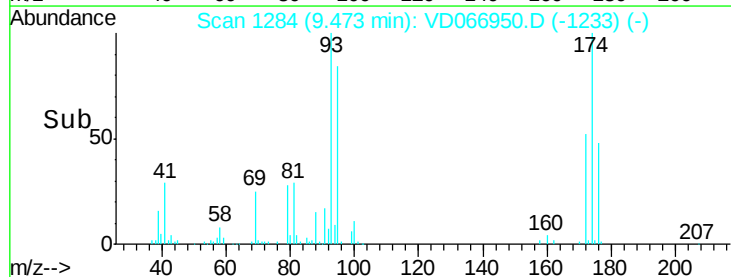
60000

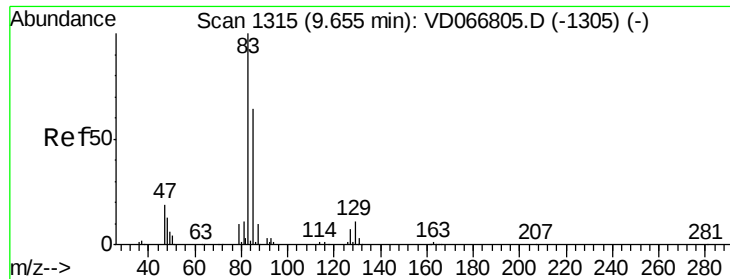
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 54.792 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

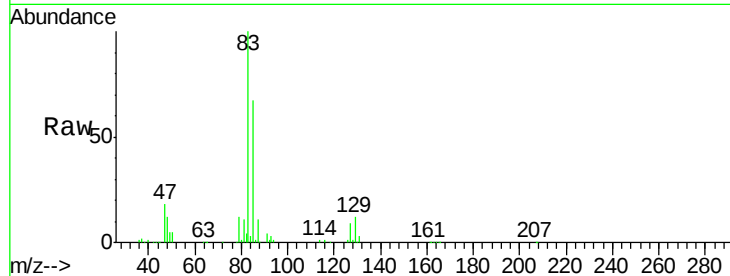
ClientSampleId :

VSTDCCC050

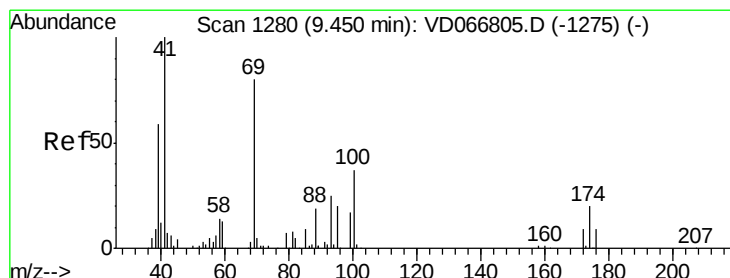
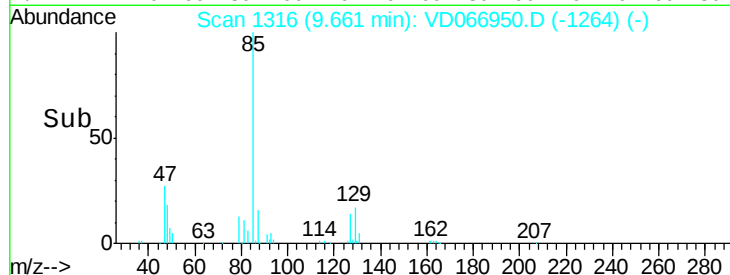
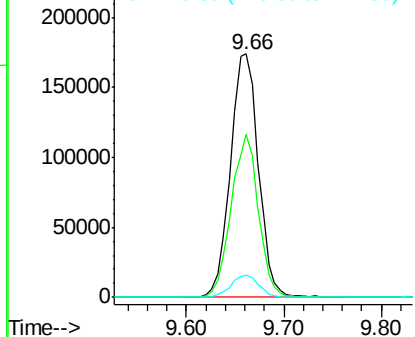
Tot Ion:	83	Resp:	347134
Ion Ratio	Lower	Upper	
83	100		
85	66.9	50.9	76.3
127	9.1	5.9	8.9#

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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 54.551 ug/l

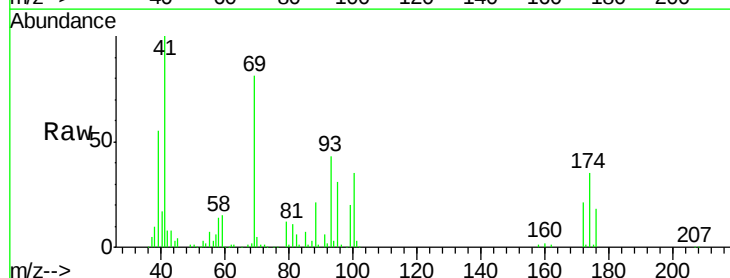
RT: 9.46 min Scan# 1281

Delta R.T. 0.01 min

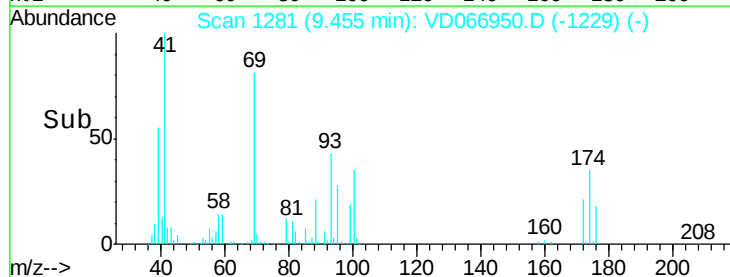
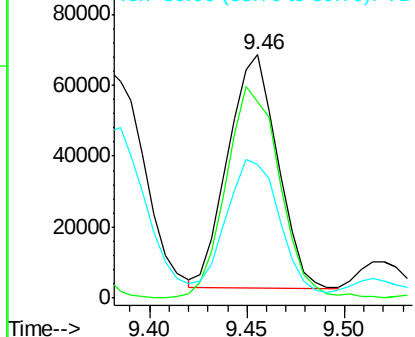
Lab File: VD066950.D

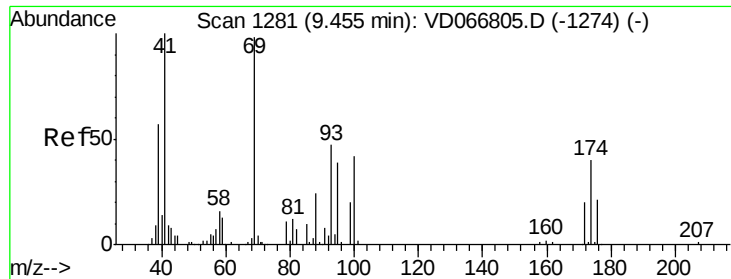
Acq: 29 Sep 2020 21:20

Tgt Ion:	41	Resp:	116043
Ion Ratio	Lower	Upper	
41	100		
69	97.0	74.5	111.7
39	59.7	47.0	70.6



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





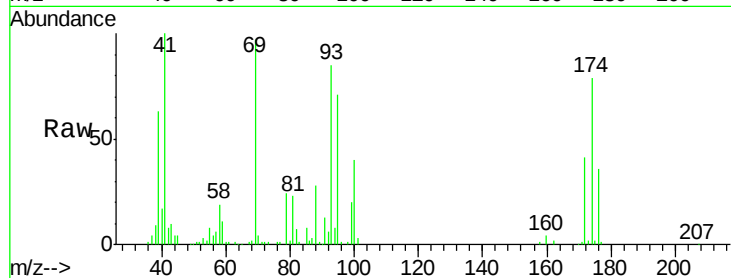
#49
1,4-Dioxane
Concen: 1252.989 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

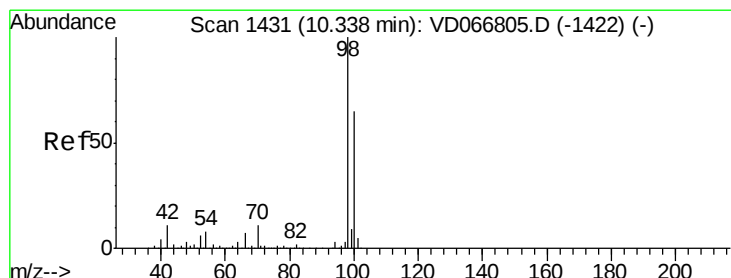
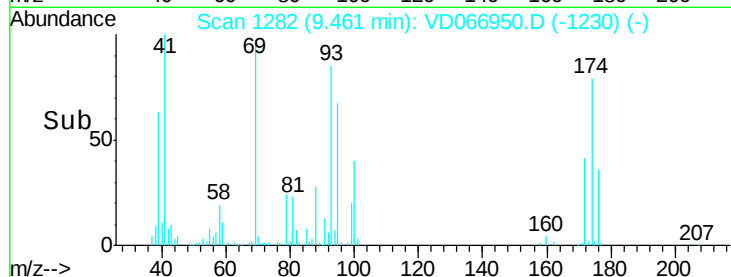
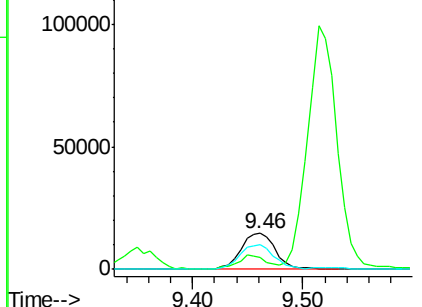
Tot Ion	88	Resp	32810
Ion	Ratio	Lower	Upper
88	100		
43	34.1	27.7	41.5
58	67.4	55.5	83.3

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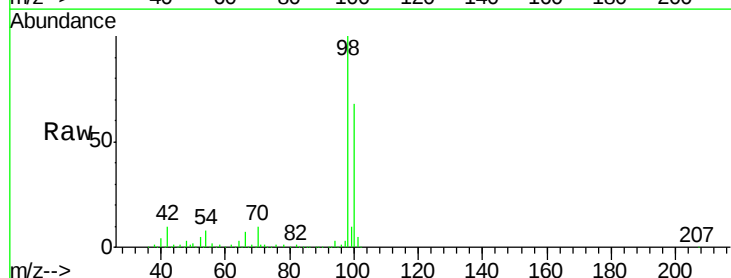


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

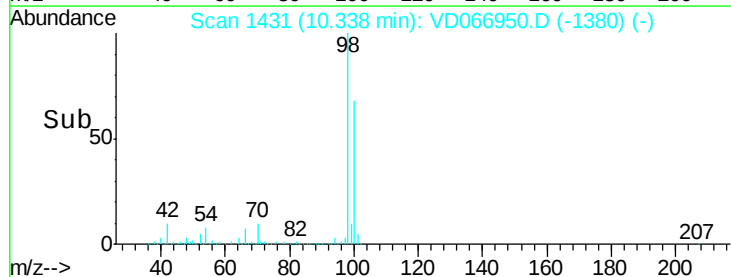
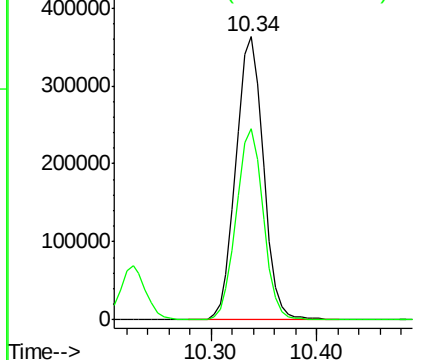


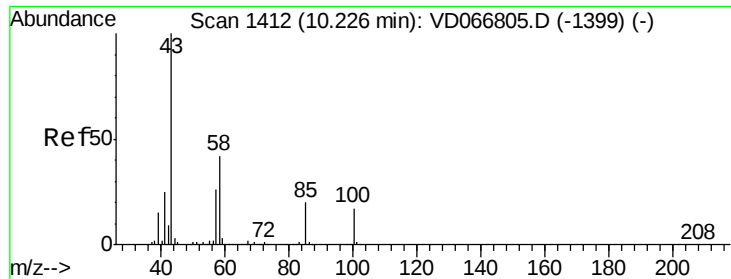
#50
Toluene-d8
Concen: 48.342 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Tgt Ion	98	Resp	653866
Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.2	78.2



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





#51

4-Methyl-2-Pentanone

Concen: 297.545 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 650491

Ion Ratio Lower Upper

43 100

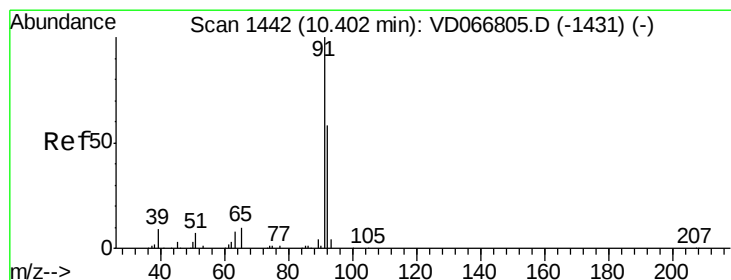
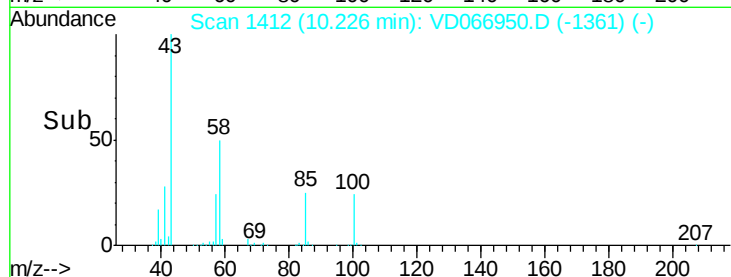
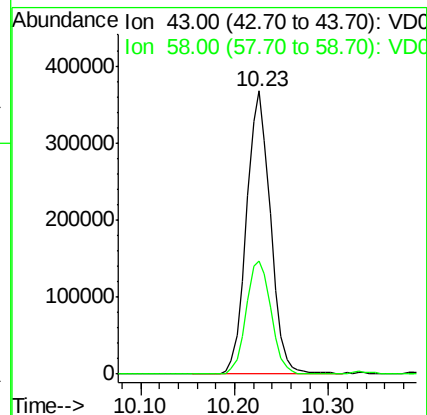
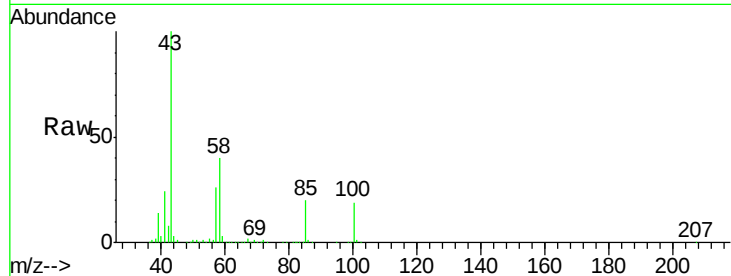
58 41.4 32.2 48.4

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#52

Toluene

Concen: 55.507 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066950.D

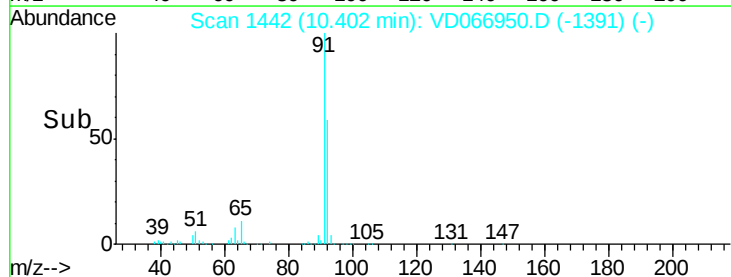
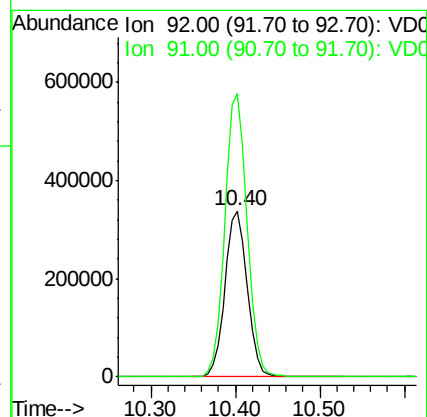
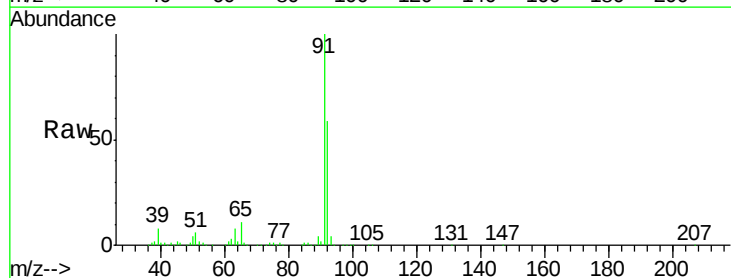
Acq: 29 Sep 2020 21:20

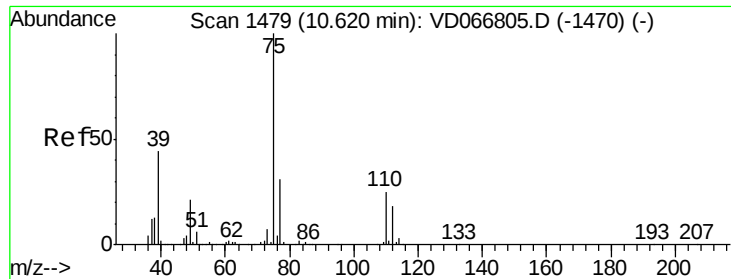
Tgt Ion: 92 Resp: 616847

Ion Ratio Lower Upper

92 100

91 170.5 134.6 202.0





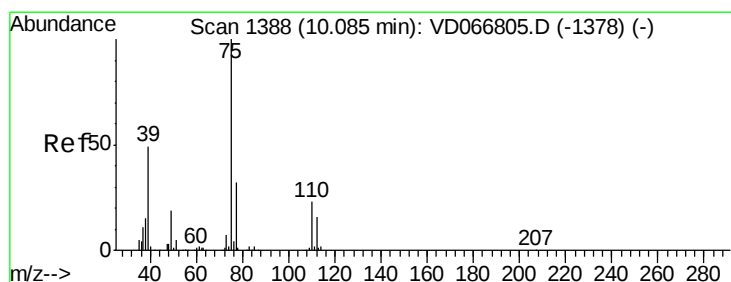
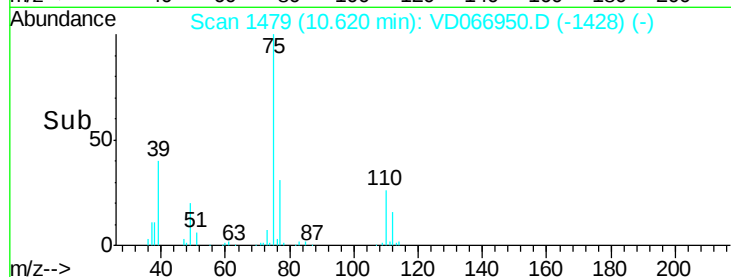
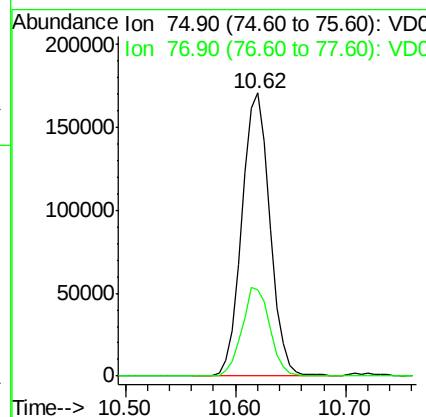
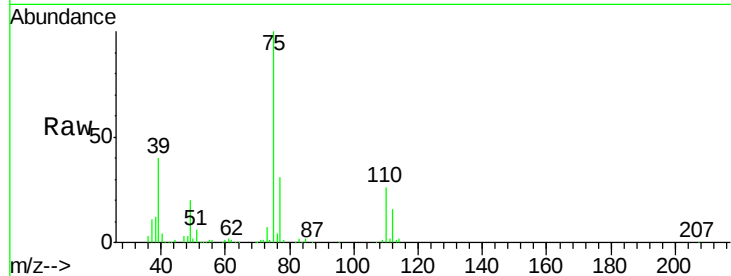
#53
 t-1,3-Dichloropropene
 Concen: 56.859 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 306606
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.5 36.7

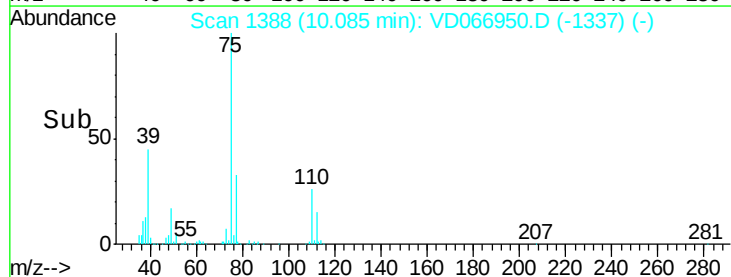
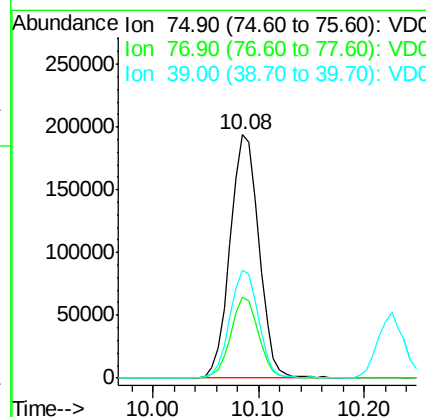
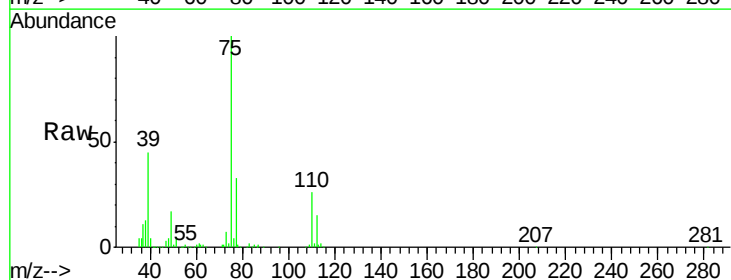
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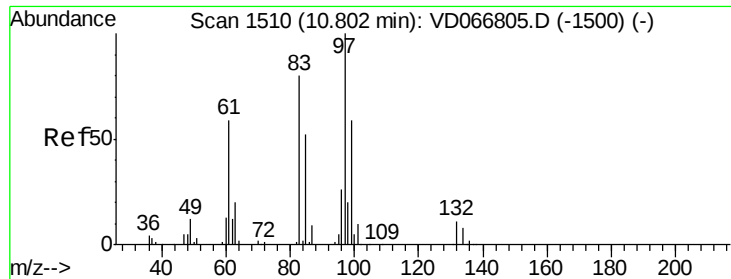
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#54
 cis-1,3-Dichloropropene
 Concen: 55.866 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

Tgt Ion: 75 Resp: 367331
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.6 38.4
 39 44.2 39.2 58.8





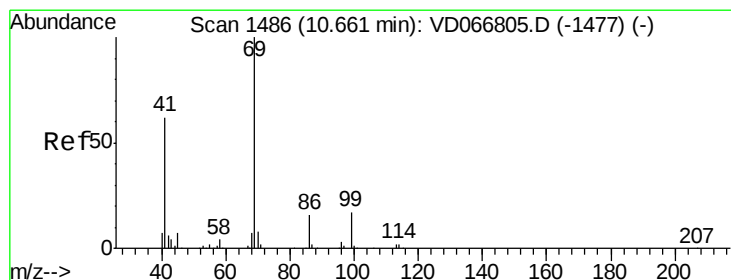
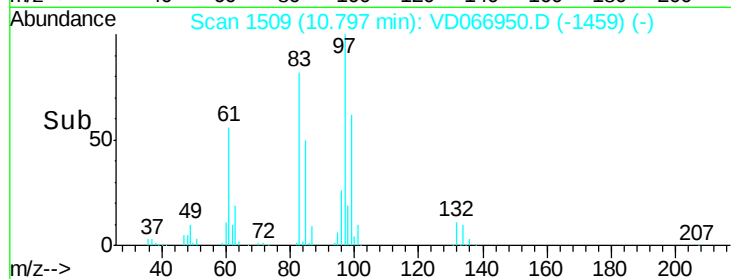
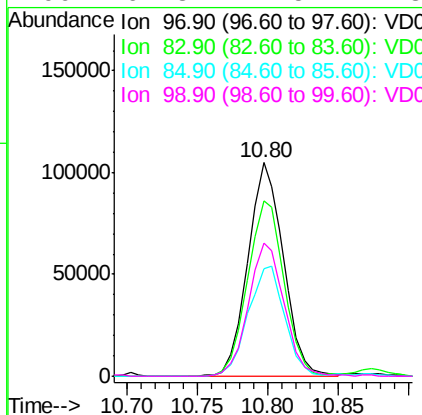
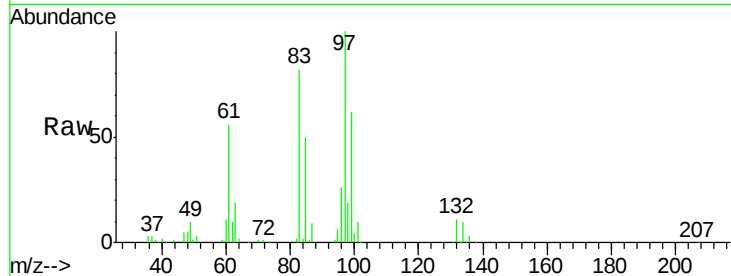
#55
 1,1,2-Trichloroethane
 Concen: 57.080 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	185064
Ion	Ratio	Lower	Upper
97	100		
83	82.1	64.2	96.2
85	50.5	41.9	62.9
99	62.3	47.5	71.3

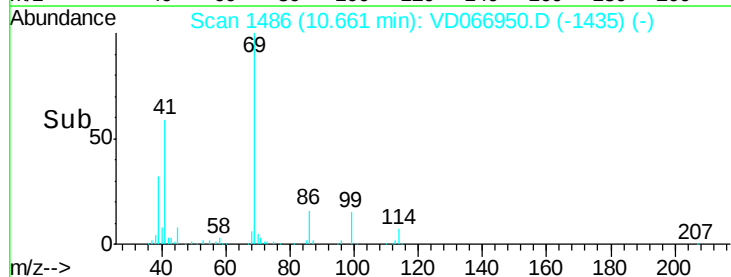
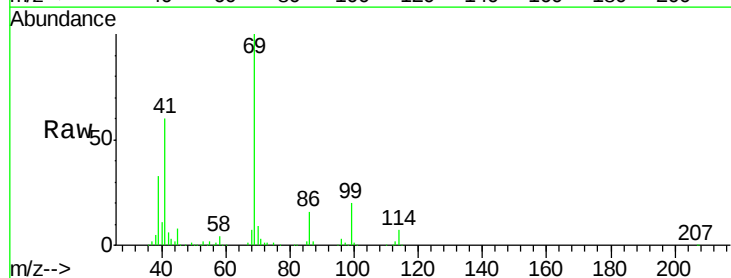
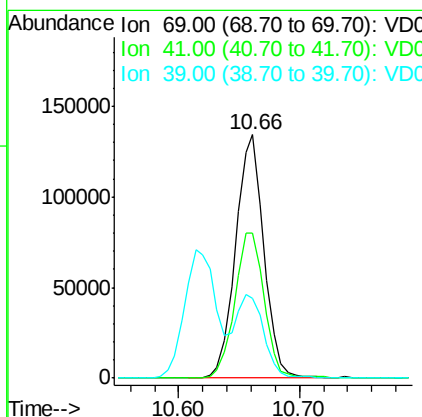
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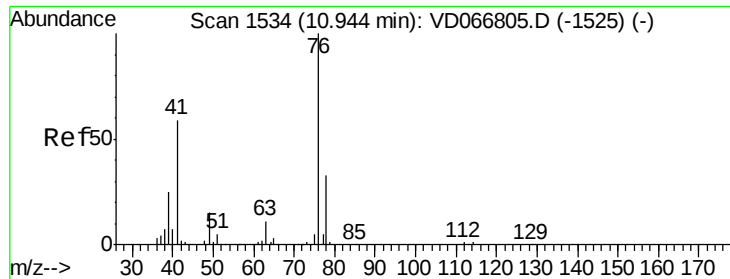
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#56
 Ethyl methacrylate
 Concen: 63.122 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

Tgt Ion:	69	Resp:	219240
Ion	Ratio	Lower	Upper
69	100		
41	63.0	52.2	78.2
39	35.9	26.6	40.0





#57

1,3-Dichloropropane

Concen: 56.692 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 303508

Ion Ratio Lower Upper

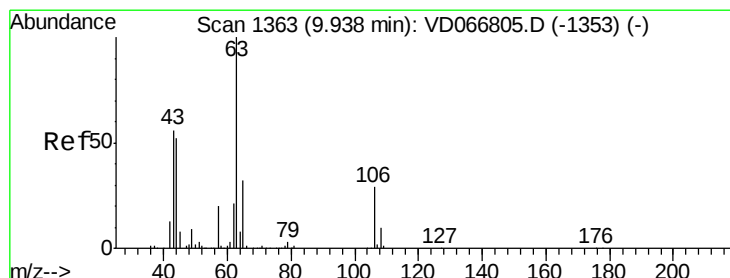
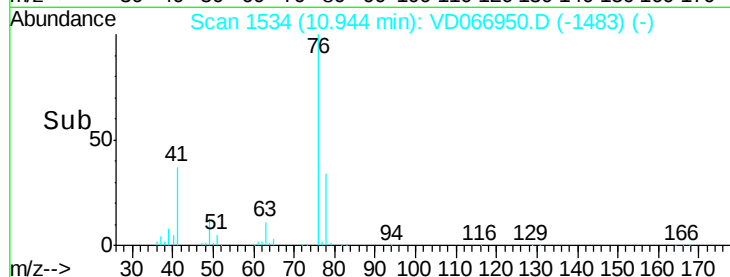
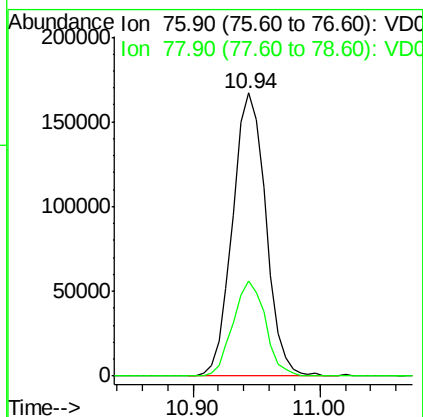
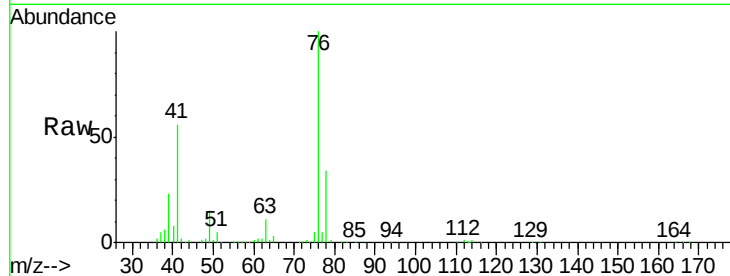
76 100

78 32.9 26.3 39.5

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#58

2-Chloroethyl Vinyl ether

Concen: 259.030 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066950.D

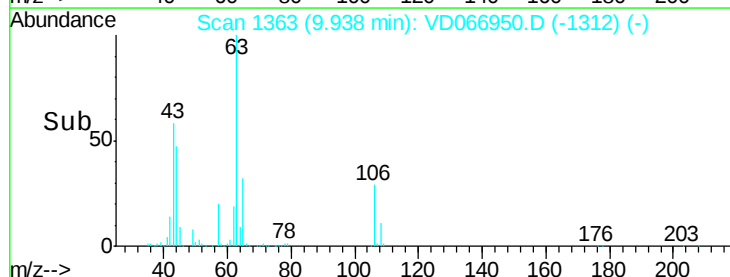
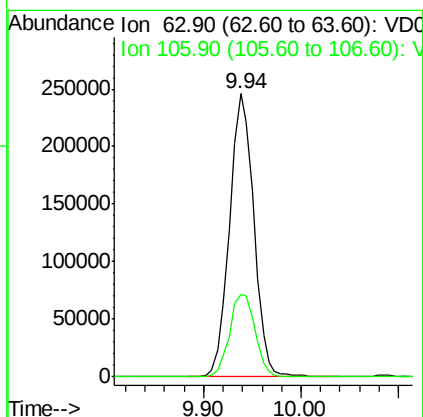
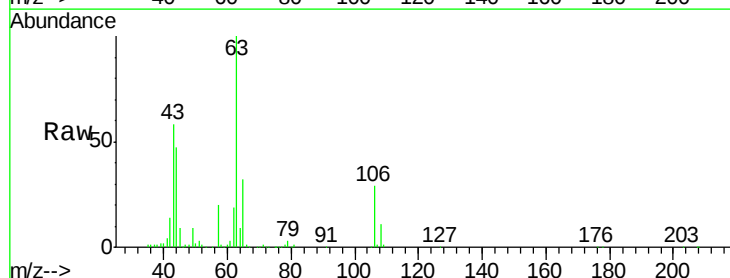
Acq: 29 Sep 2020 21:20

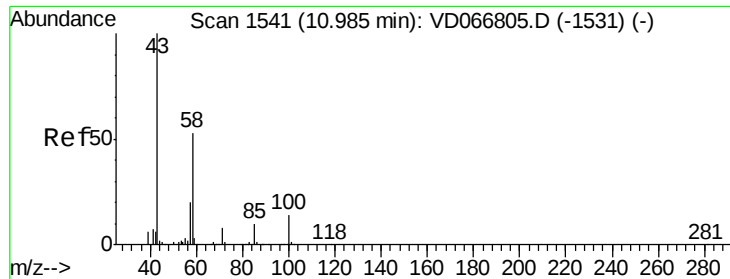
Tgt Ion: 63 Resp: 425995

Ion Ratio Lower Upper

63 100

106 30.8 23.8 35.6





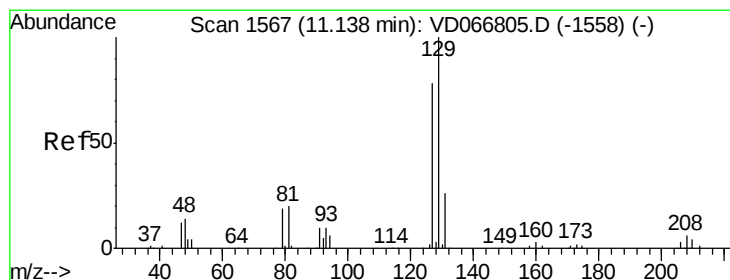
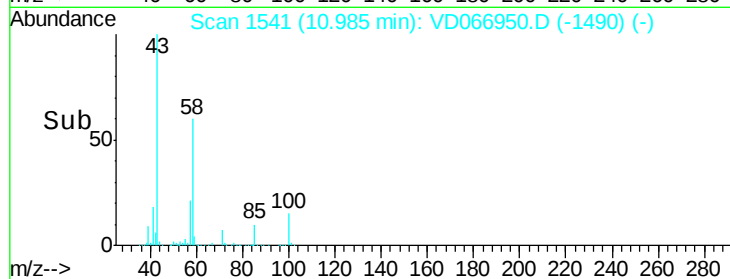
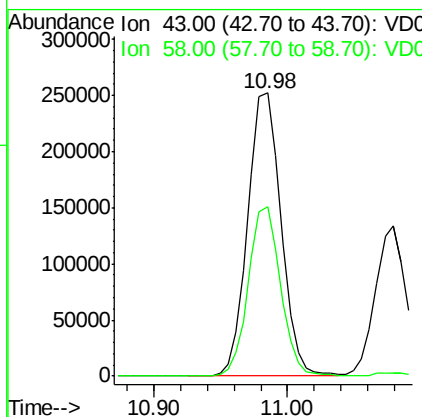
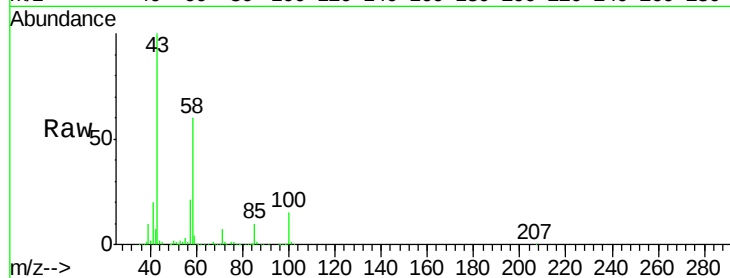
#59
2-Hexanone
Concen: 295.777 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	436068
Ion Ratio	100	Lower	Upper
43	100		
58	57.6	27.0	80.8

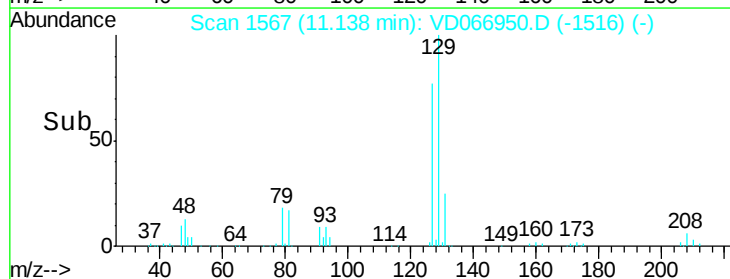
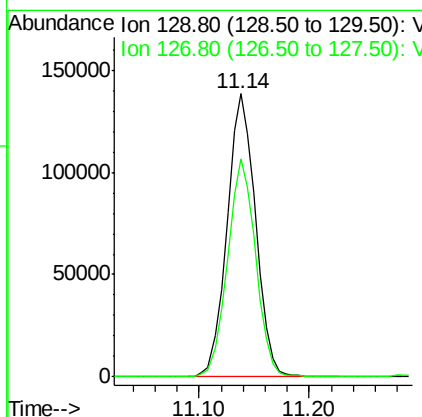
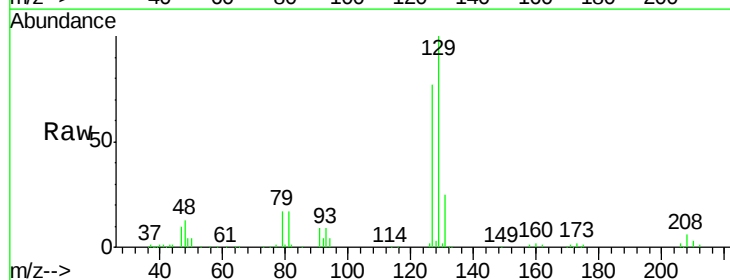
Manual Integrations
APPROVED

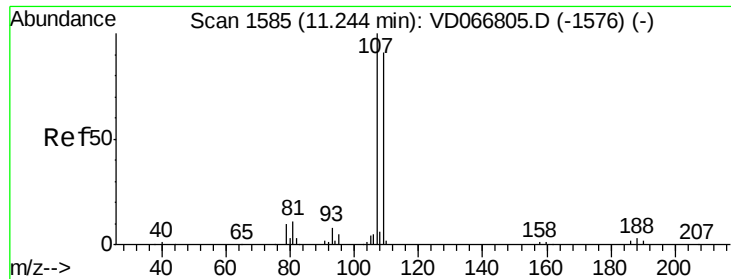
MMDadoda
9/30/2020 1:22:21 PM



#60
Dibromochloromethane
Concen: 59.164 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Tgt Ion	129	Resp	250352	
Ion Ratio <th>129</th> <th>100</th> <th>Lower</th> <th>Upper</th>	129	100	Lower	Upper
127	76.0	38.6	116.0	





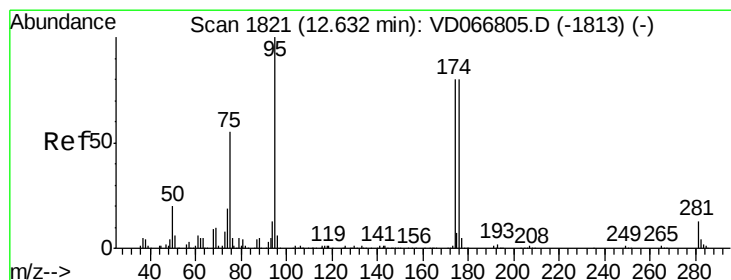
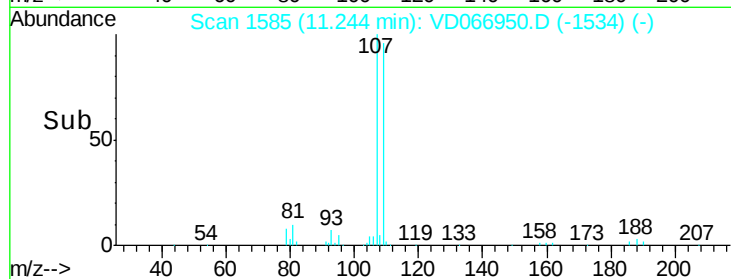
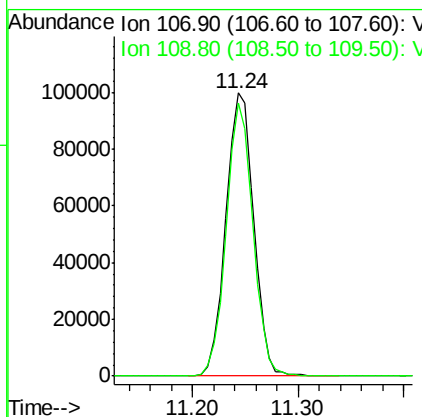
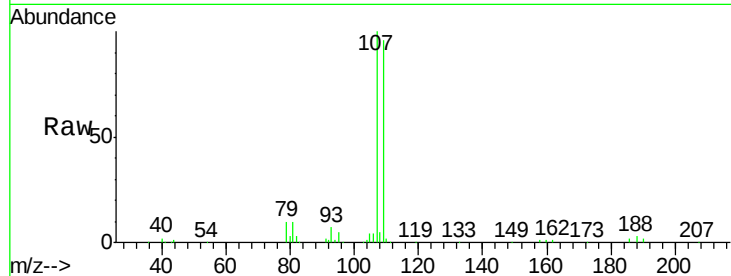
#61
 1,2-Dibromoethane
 Concen: 60.219 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.2	75.0	112.4

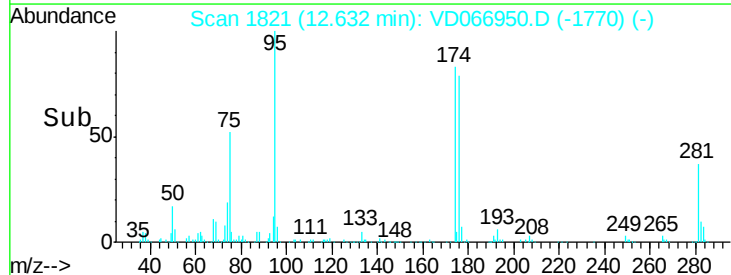
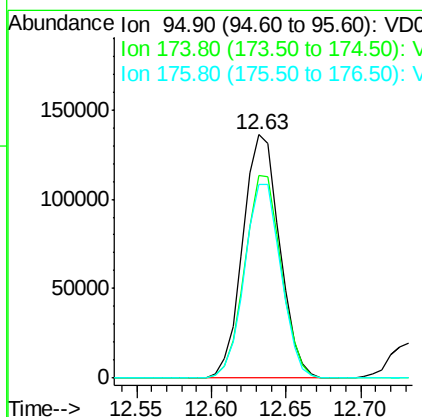
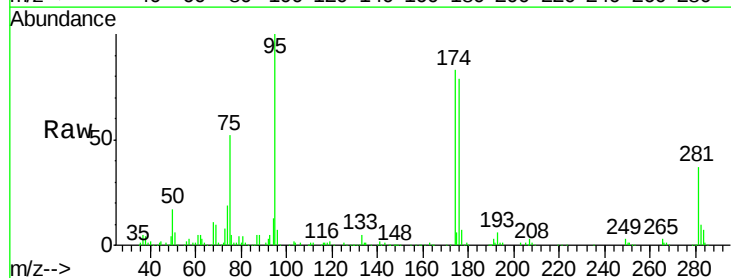
Manual Integrations
 APPROVED

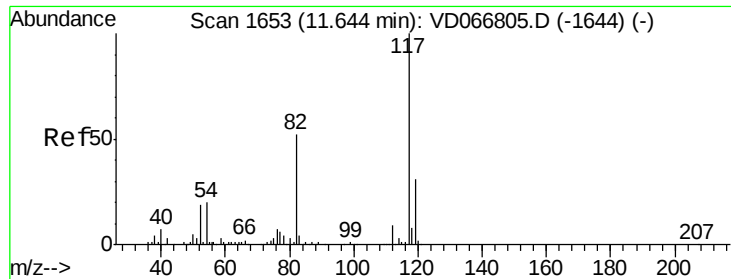
MMDadoda
 9/30/2020 1:22:21 PM



#62
 4-Bromofluorobenzene
 Concen: 50.139 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.1	0.0	159.8
176	78.7	0.0	154.4





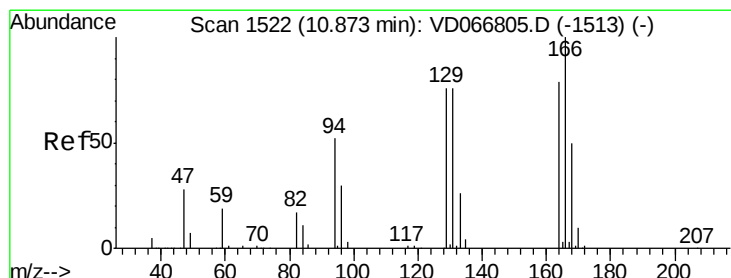
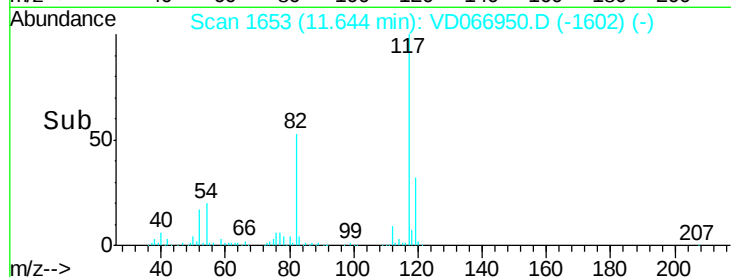
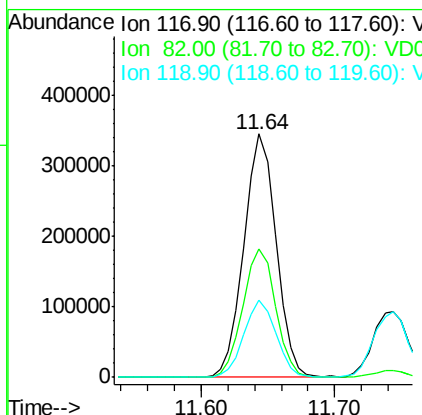
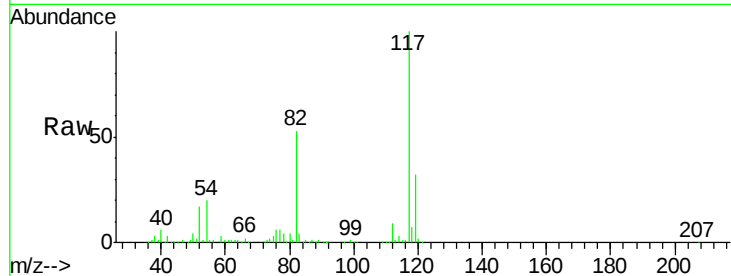
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	578721		
82	52.8		41.8	62.6
119	32.0		24.6	37.0

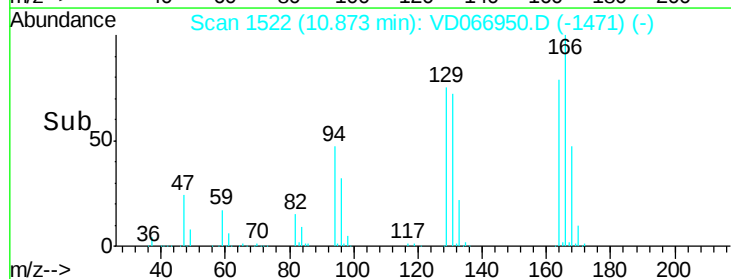
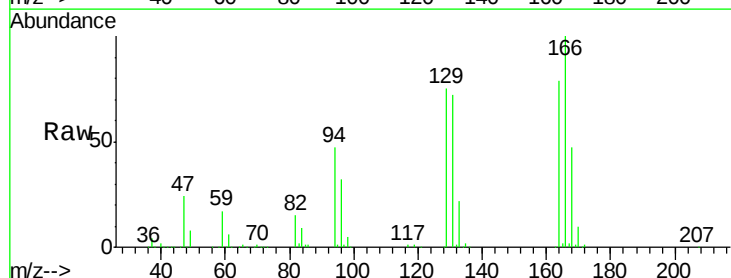
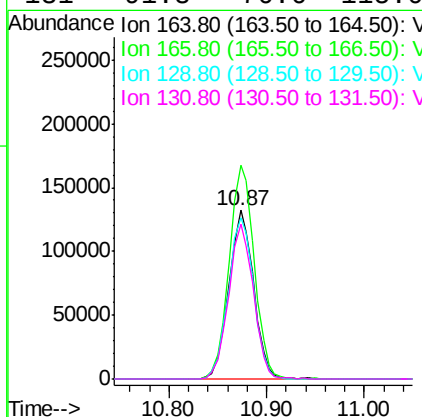
Manual Integrations
APPROVED

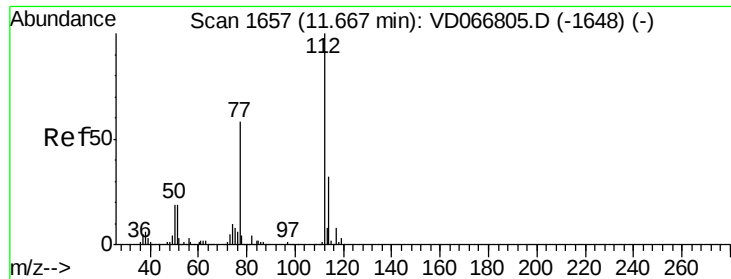
MMDadoda
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#64
Tetrachloroethene
Concen: 55.861 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	232539		
166	126.7		101.1	151.7
129	95.5		77.0	115.4
131	91.8		76.6	115.0





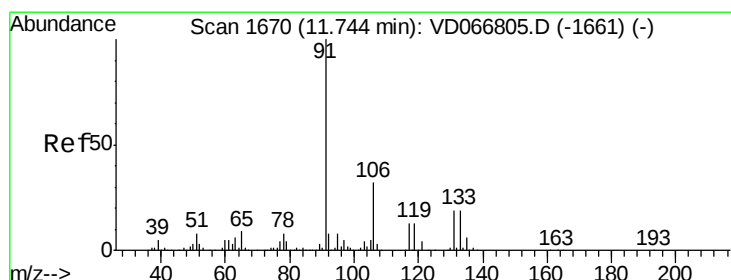
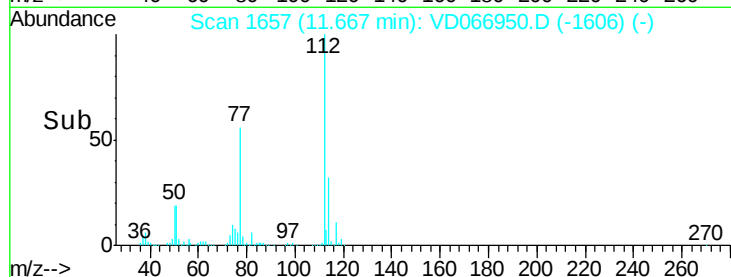
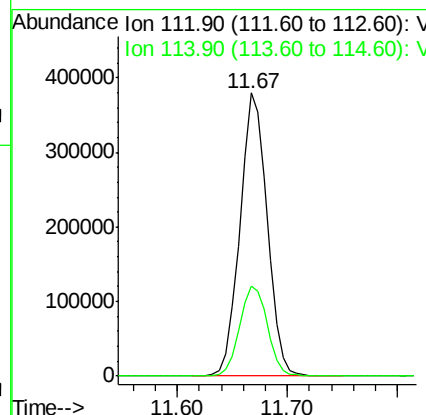
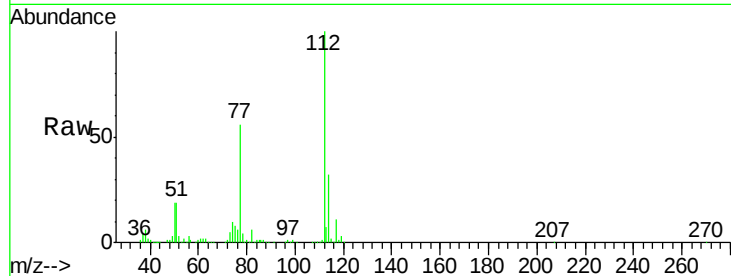
#65
Chlorobenzene
Concen: 54.727 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 659263
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.2

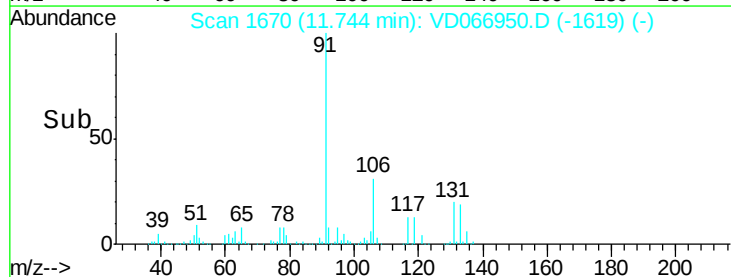
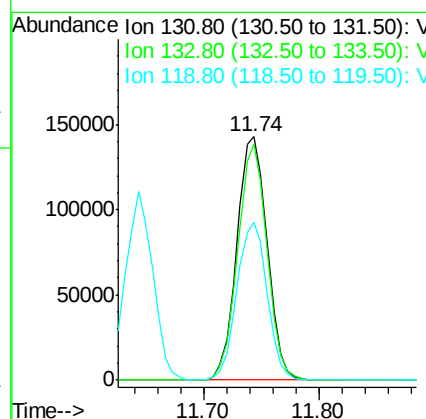
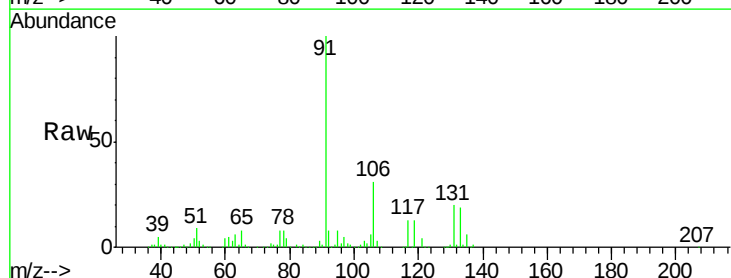
Manual Integrations
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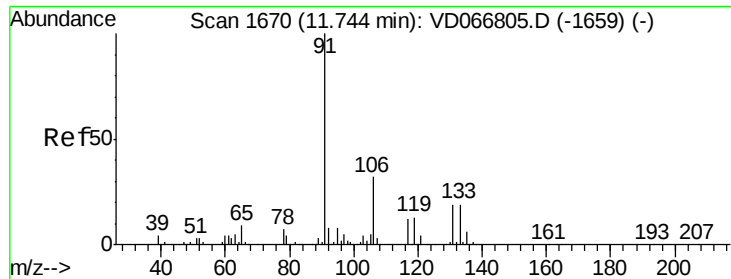
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.872 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Tgt Ion:131 Resp: 259297
Ion Ratio Lower Upper
131 100
133 94.0 46.7 140.1
119 64.9 32.3 96.9





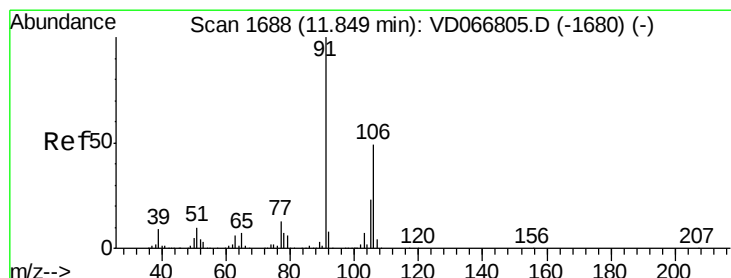
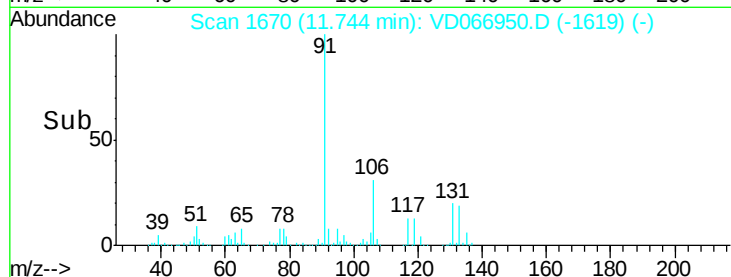
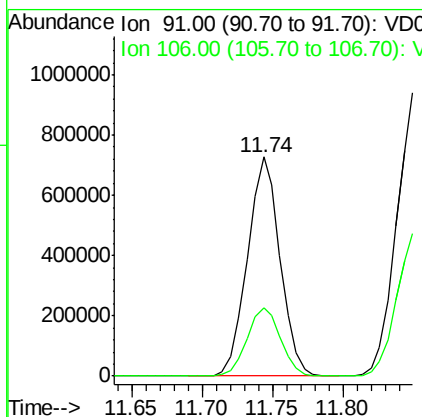
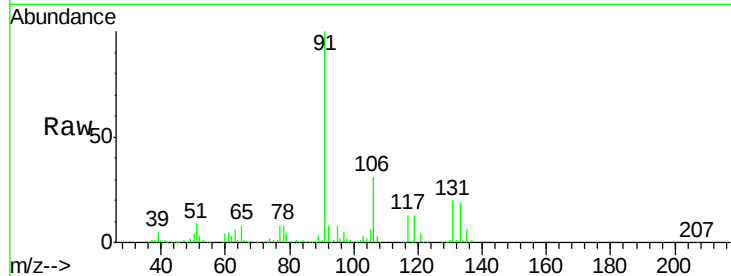
#67
Ethyl Benzene
Concen: 55.860 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1181843
Ion Ratio Lower Upper
91 100
106 31.3 25.6 38.4

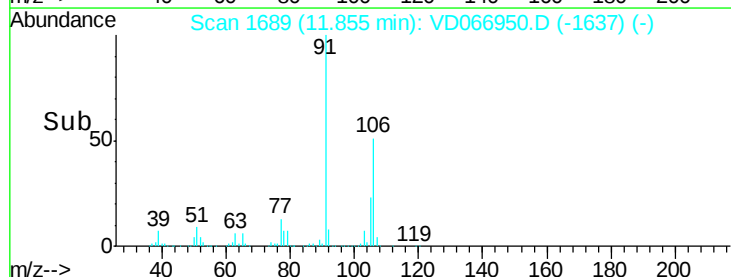
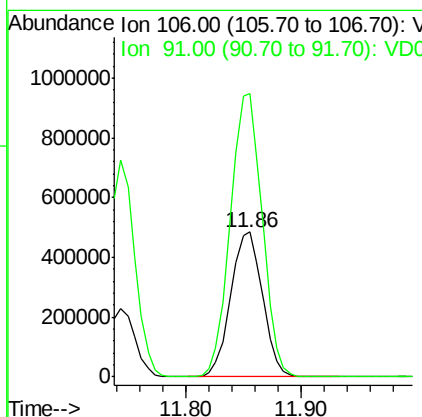
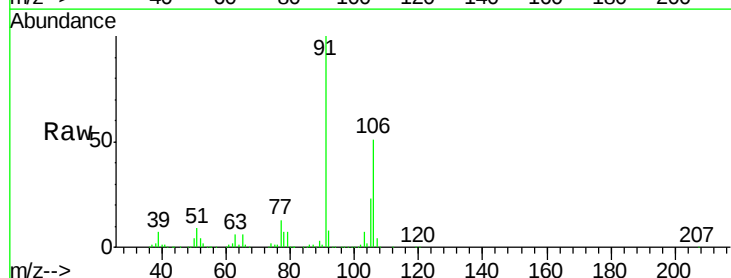
Manual Integrations
APPROVED

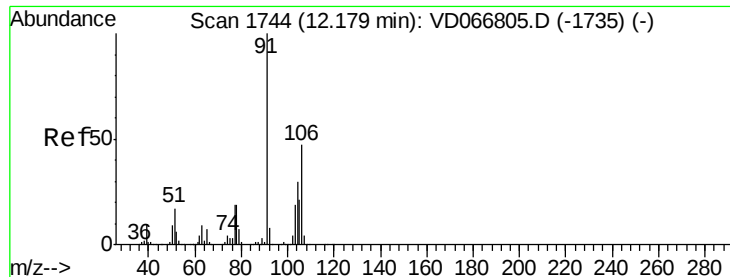
MMDadoda
9/30/2020 1:22:21 PM



#68
m/p-Xylenes
Concen: 115.412 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Tgt Ion: 106 Resp: 924501
Ion Ratio Lower Upper
106 100
91 195.7 160.7 241.1





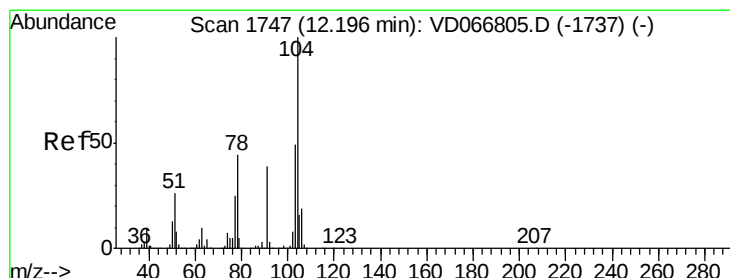
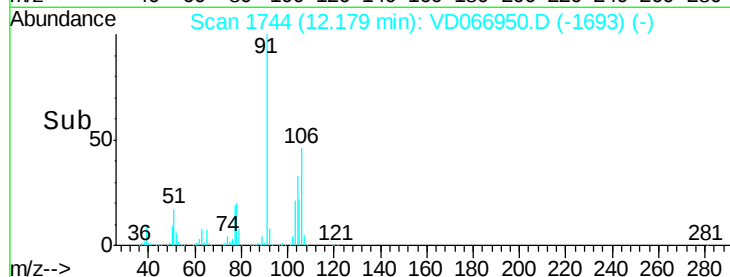
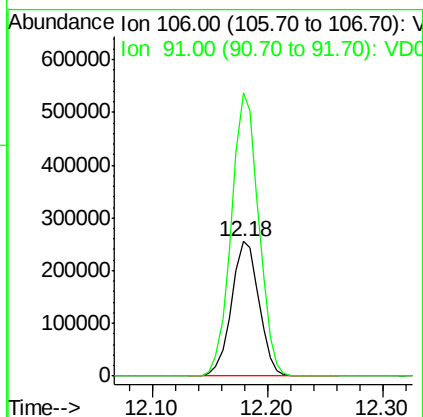
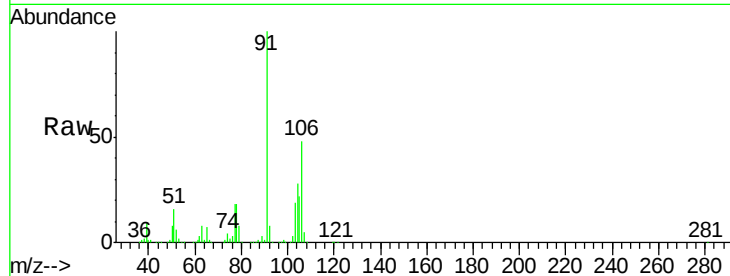
#69
o-Xylene
Concen: 58.135 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.5	106.3	318.8	

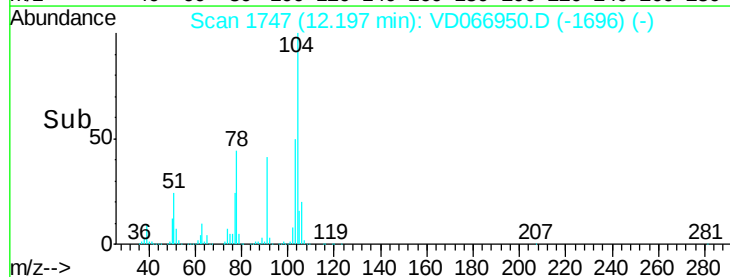
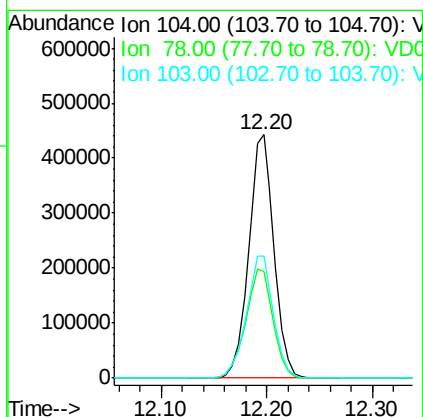
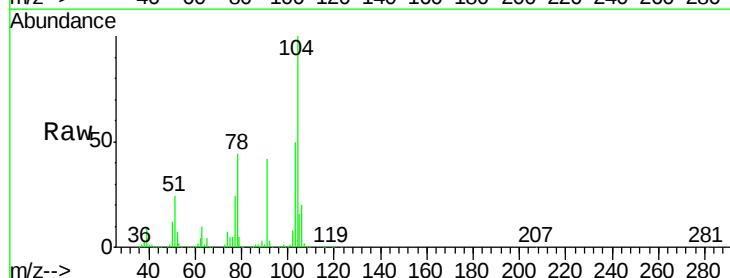
Manual Integrations
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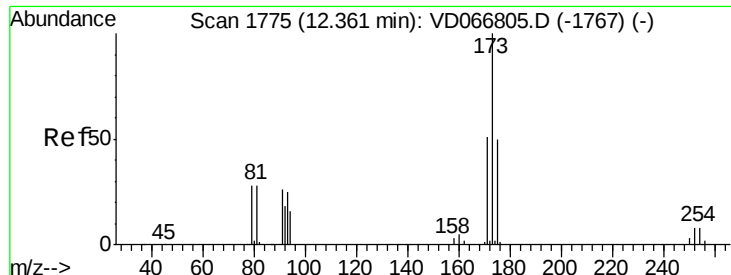
MMDadoda
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#70
Styrene
Concen: 58.339 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.5	38.9	58.3	
103	53.5	43.2	64.8	





#71

Bromoform

Concen: 59.426 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 137182

Ion Ratio Lower Upper

173 100

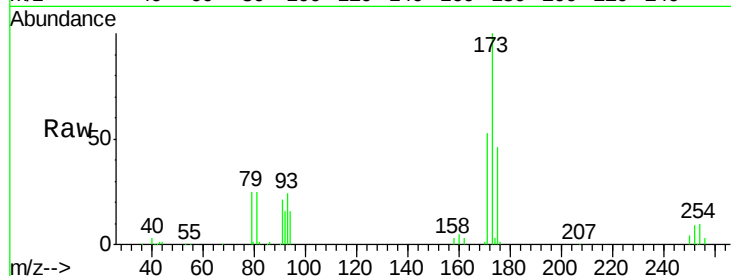
175 48.4 24.9 74.6

254 0.0 0.1 0.1#

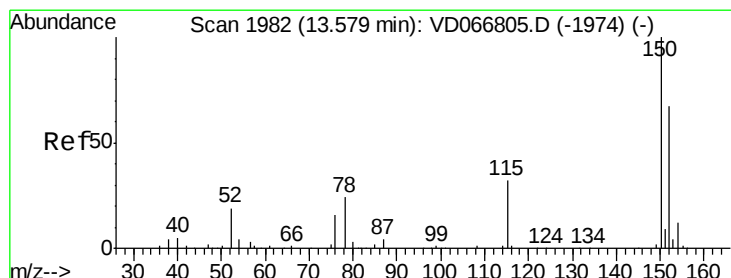
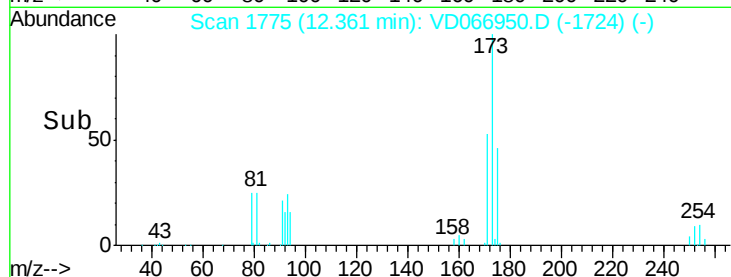
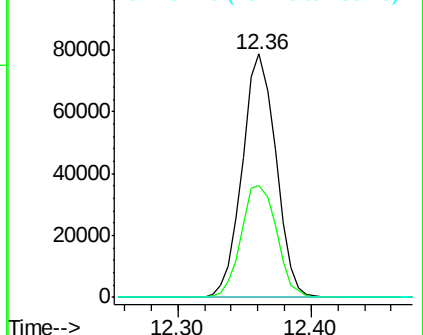
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

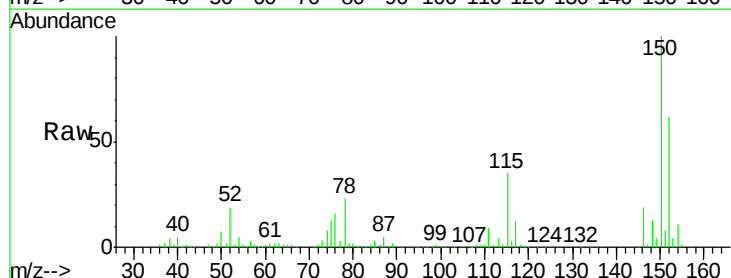
Tgt Ion:152 Resp: 279899

Ion Ratio Lower Upper

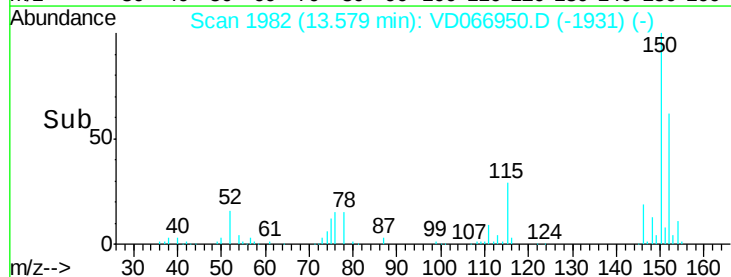
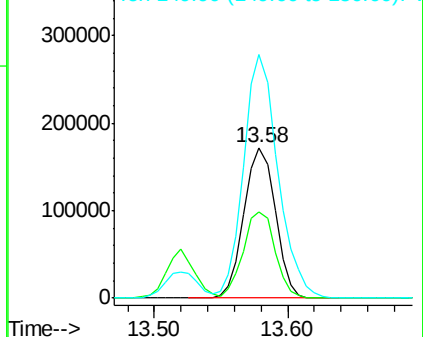
152 100

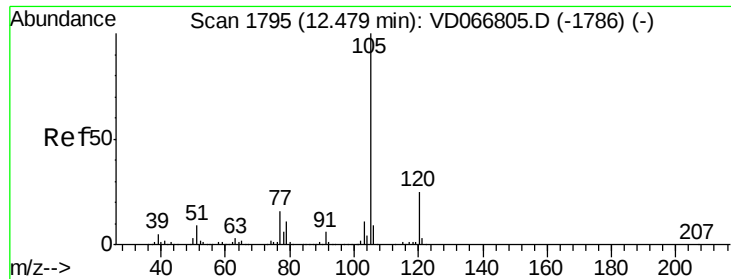
115 58.0 30.3 91.0

150 176.7 0.0 346.2



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





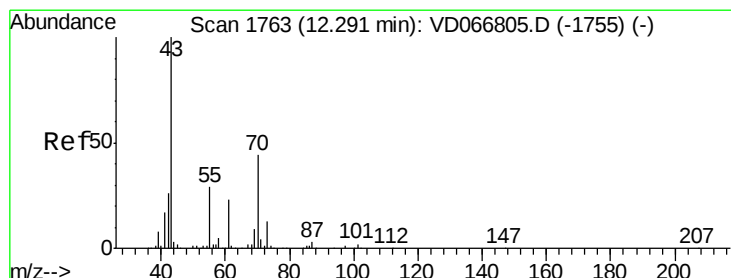
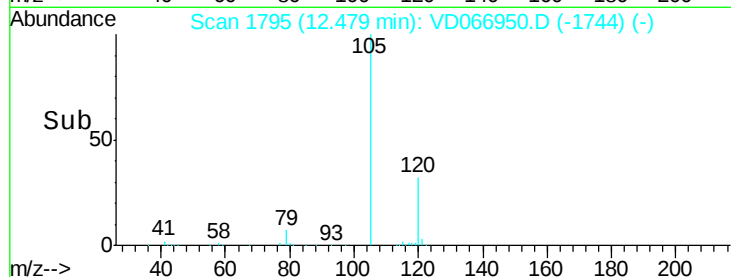
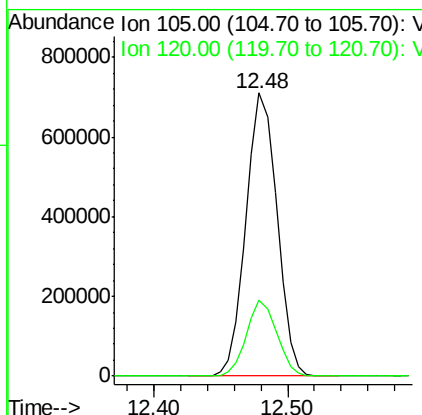
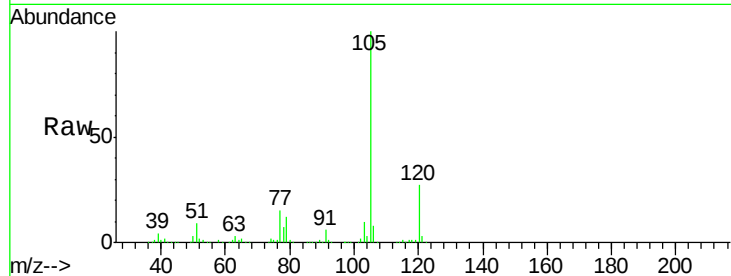
#73
Isopropylbenzene
Concen: 56.451 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 1141427
Ion Ratio Lower Upper
105 100
120 26.2 12.9 38.6

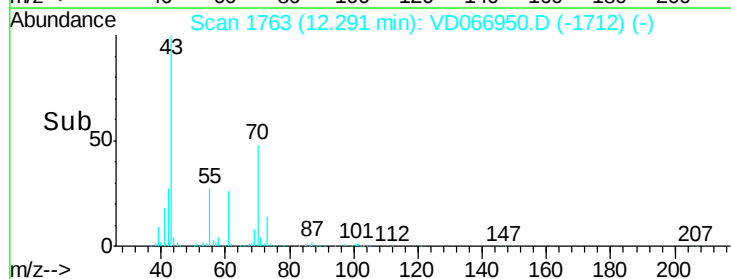
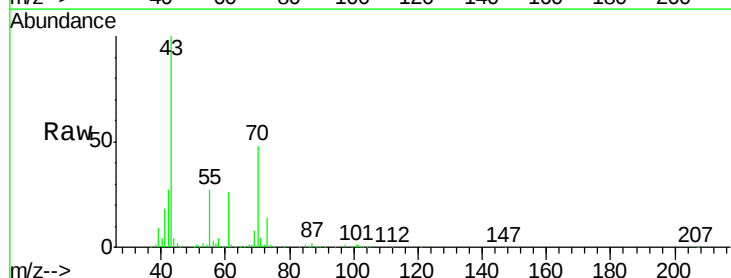
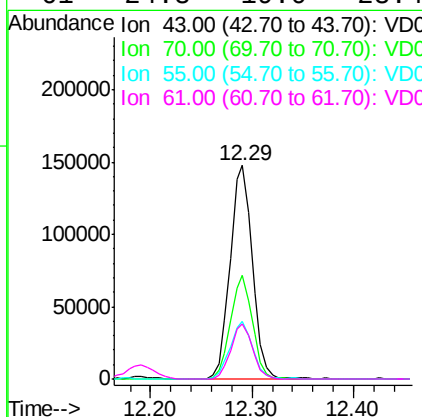
Manual Integrations
APPROVED

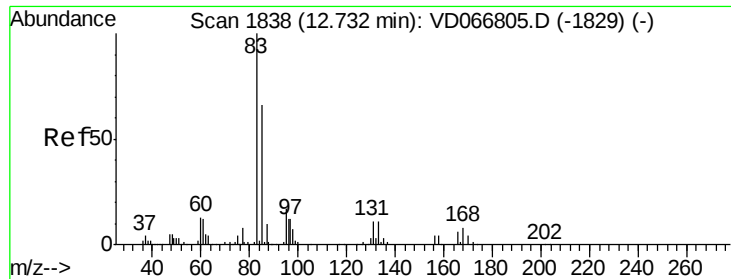
MMDadoda
9/30/2020 1:22:21 PM



#74
N-ethyl acetate
Concen: 57.296 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Tgt Ion: 43 Resp: 226242
Ion Ratio Lower Upper
43 100
70 47.5 36.1 54.1
55 27.5 21.8 32.8
61 24.8 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 54.940 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

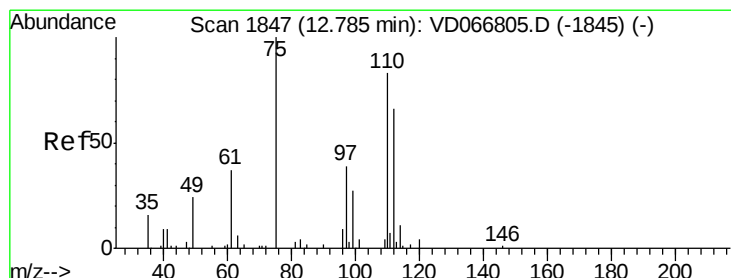
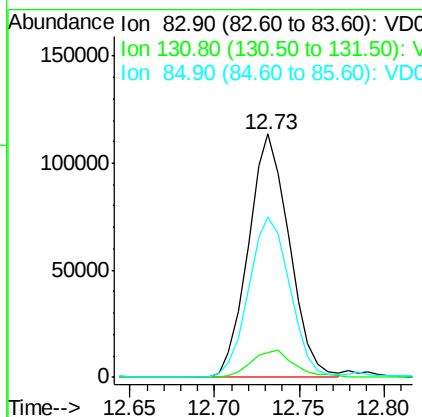
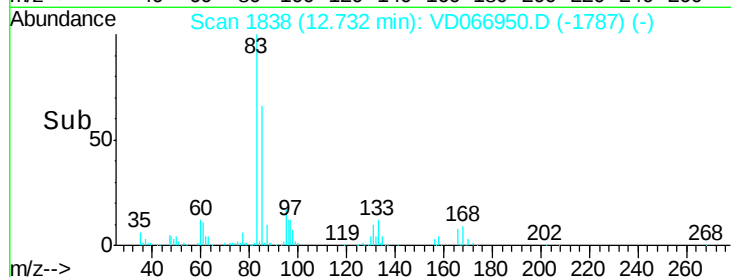
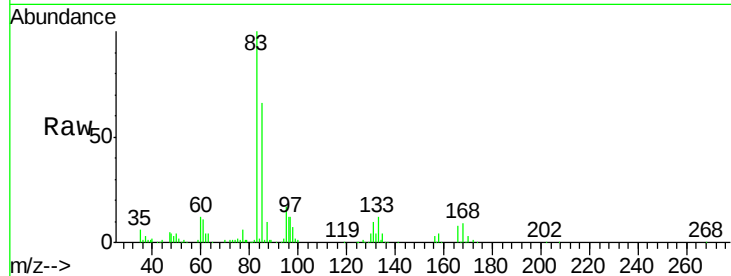
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	191687
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.5	16.7
85	66.5	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 43.195 ug/l m

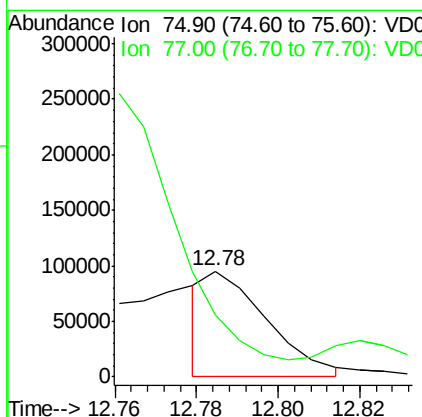
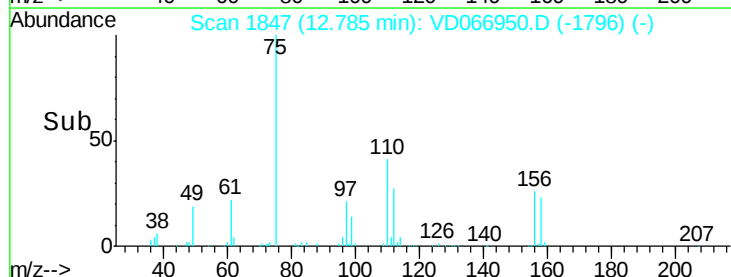
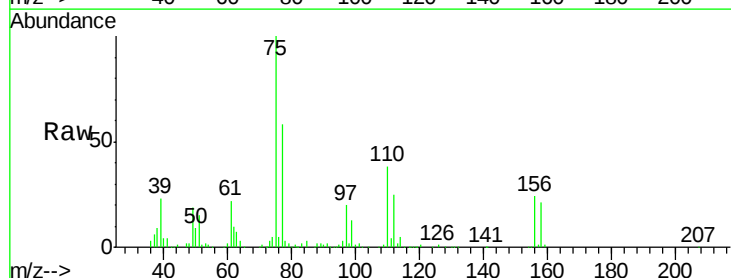
RT: 12.78 min Scan# 1847

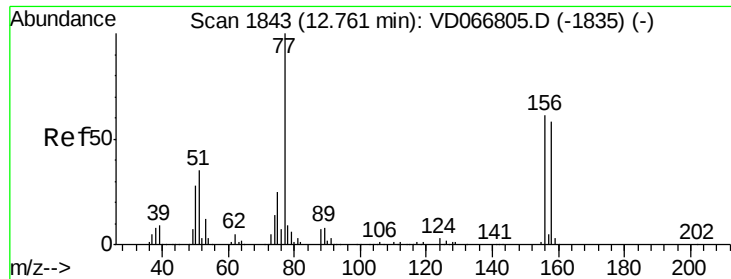
Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Tgt Ion:	75	Resp:	100195
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 56.869 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

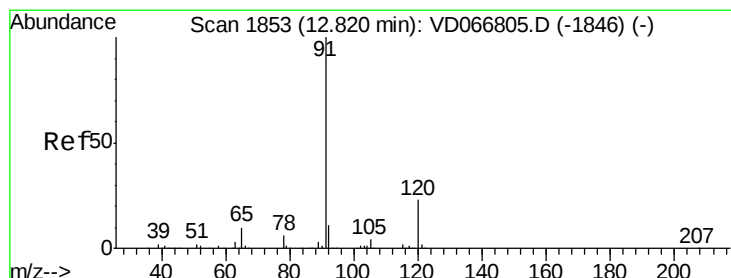
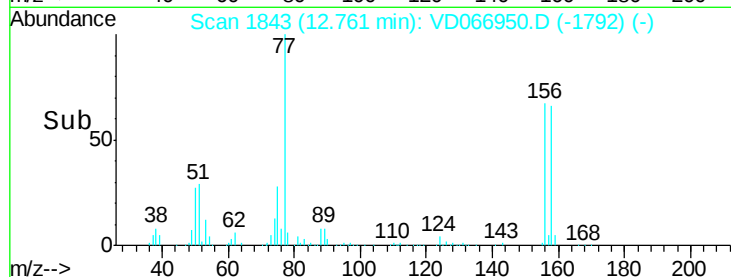
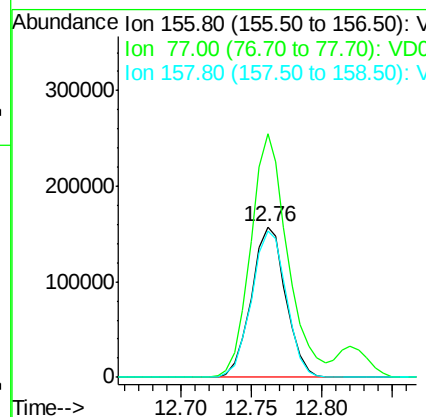
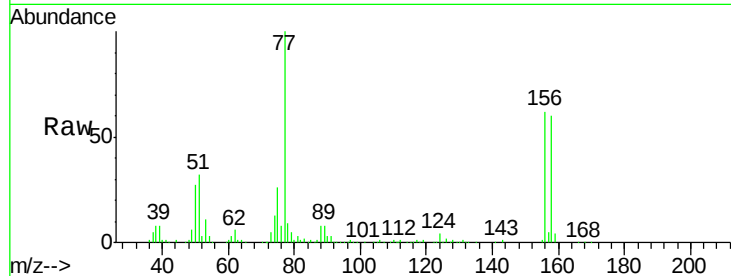
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	174.0	92.3	276.9	
158	98.5	47.6	142.9	

Manual Integrations
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#78

n-propylbenzene

Concen: 54.514 ug/l

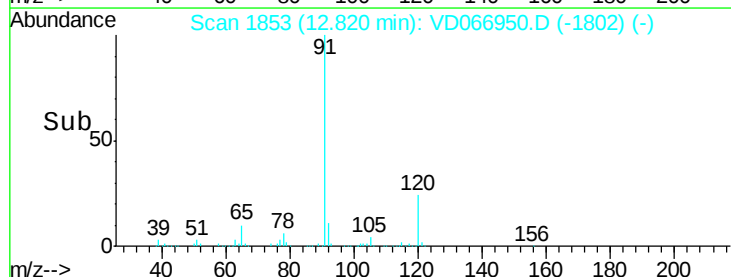
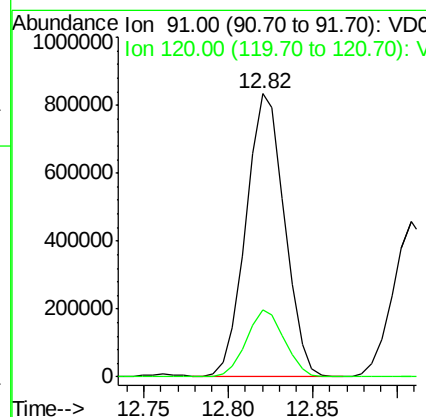
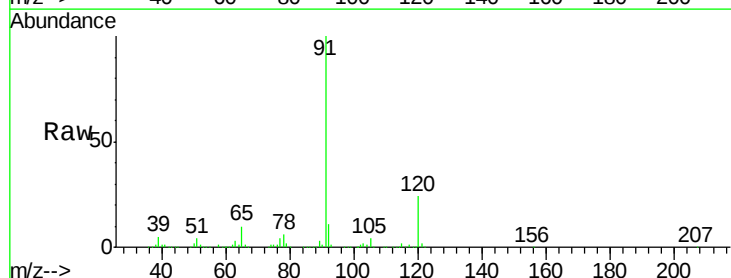
RT: 12.82 min Scan# 1853

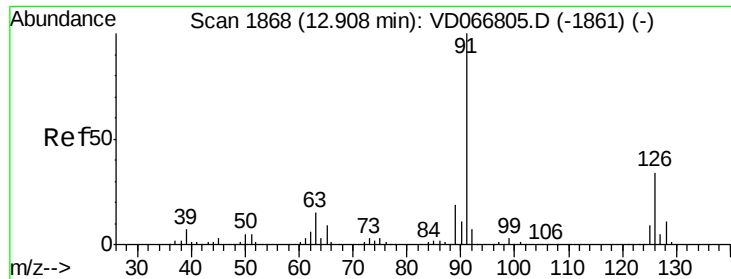
Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.3	11.4	34.2	





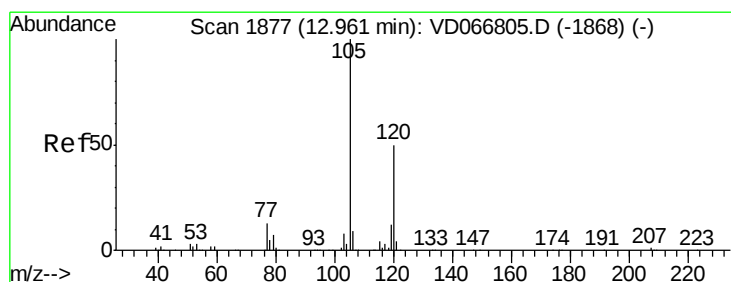
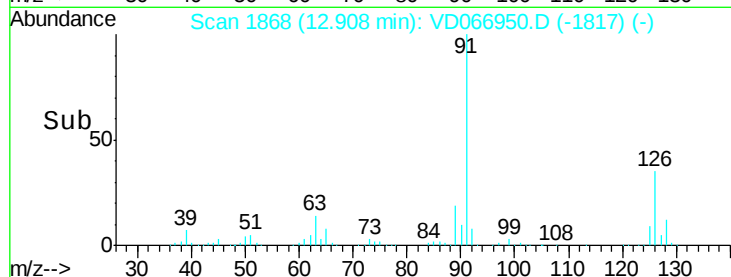
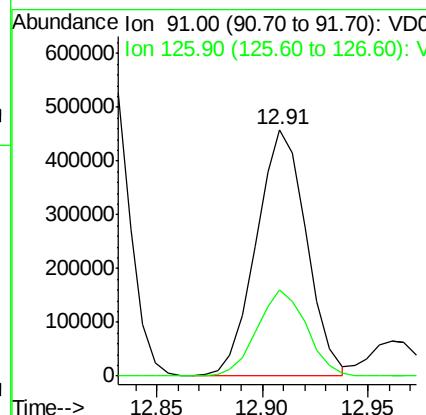
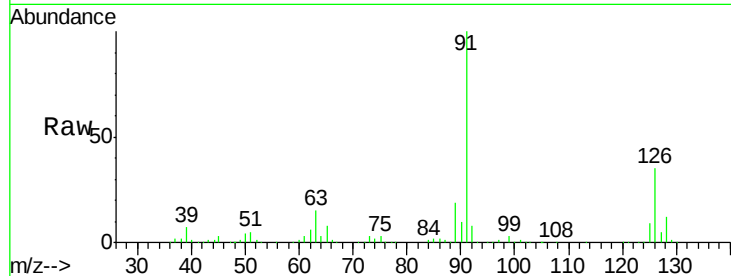
#79
2-Chlorotoluene
Concen: 54.367 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 753628
Ion Ratio Lower Upper
91 100
126 34.6 17.0 51.0

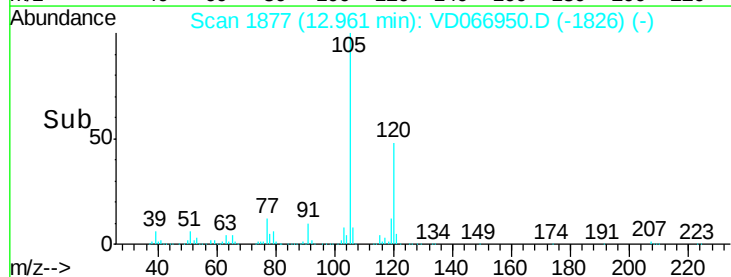
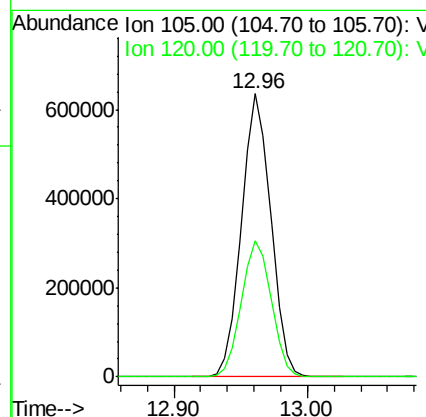
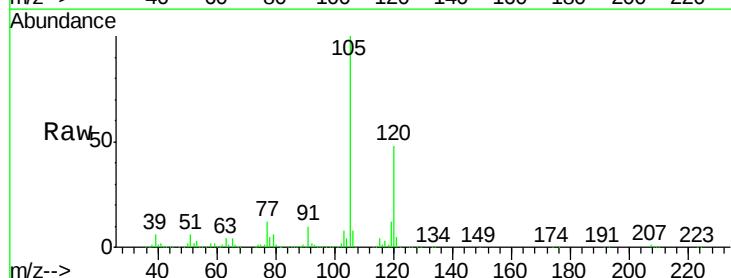
Manual Integrations
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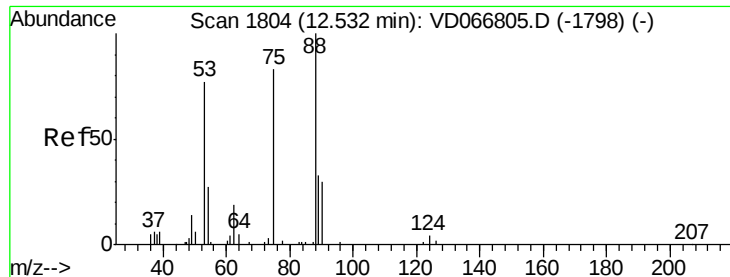
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#80
1,3,5-Trimethylbenzene
Concen: 56.225 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Tgt Ion: 105 Resp: 964639
Ion Ratio Lower Upper
105 100
120 49.2 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 61.086 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

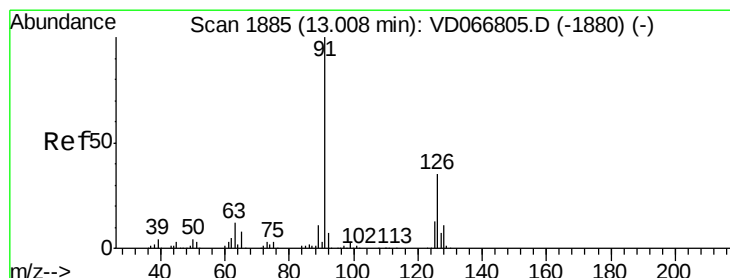
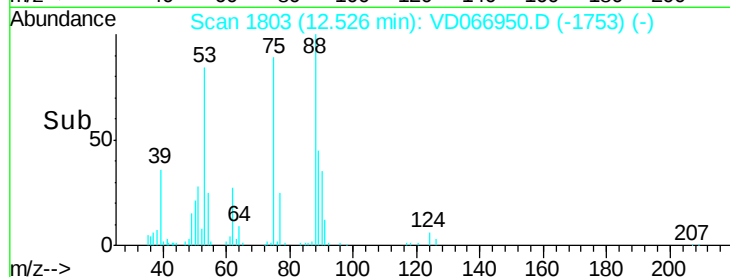
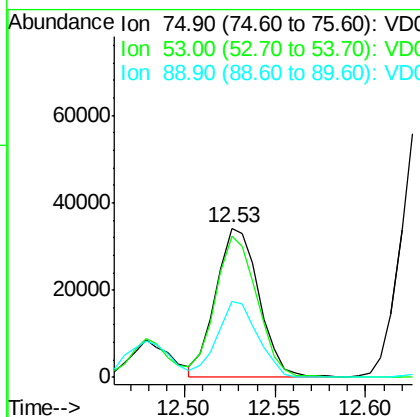
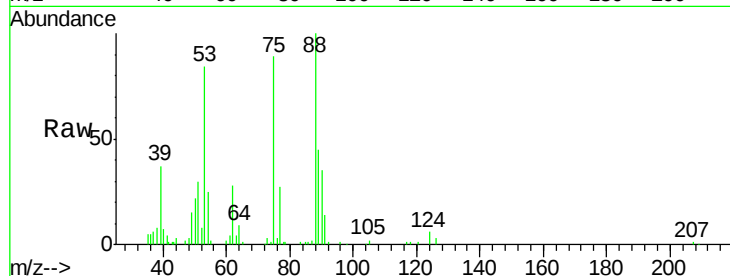
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	56634
Ion	Ratio	Lower	Upper
75	100		
53	91.6	78.5	117.7
89	47.9	38.1	57.1

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#82

4-Chlorotoluene

Concen: 54.611 ug/l

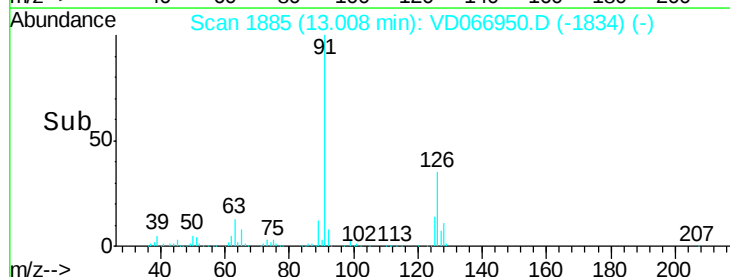
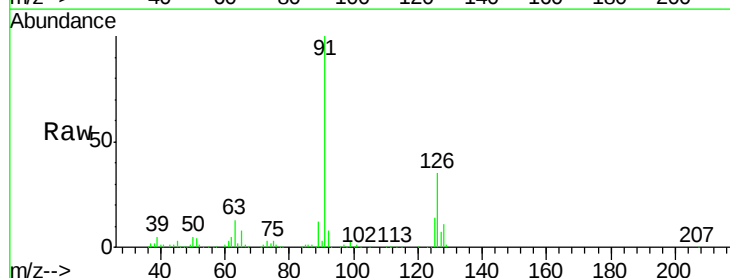
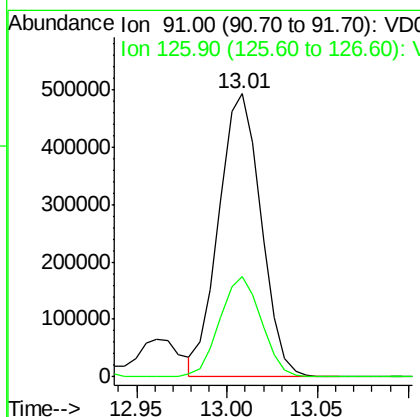
RT: 13.01 min Scan# 1885

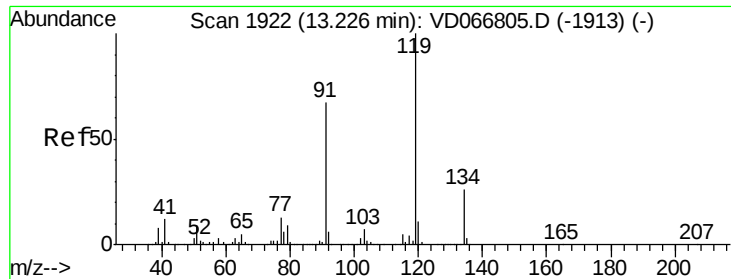
Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Tgt Ion:	91	Resp:	797997
Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.1	51.2





#83

tert-Butylbenzene

Concen: 56.275 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

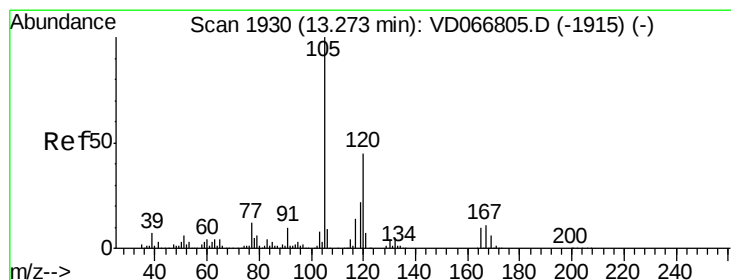
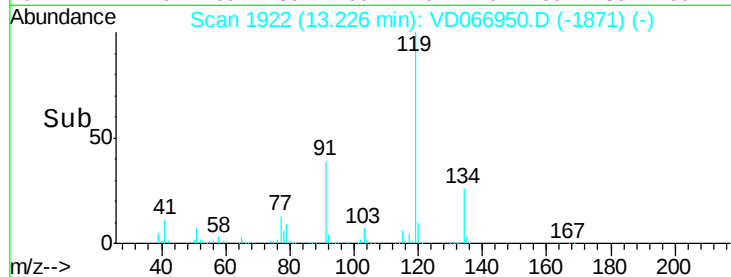
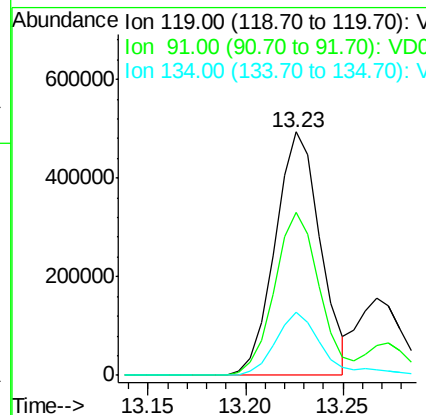
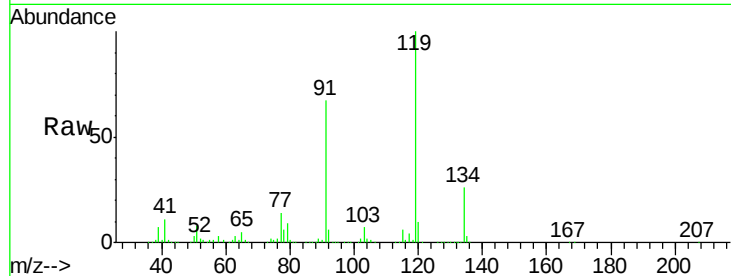
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	793381
Ion Ratio	Lower	Upper	
119	100		
91	66.8	33.6	100.8
134	26.8	13.5	40.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 56.880 ug/l

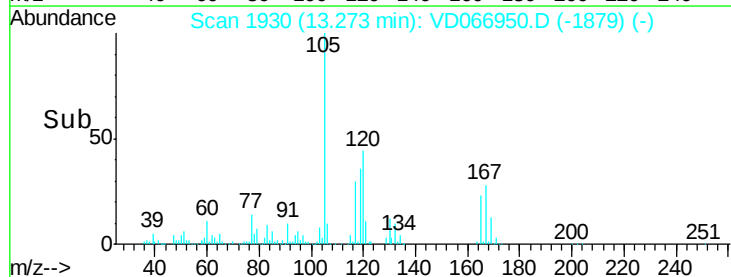
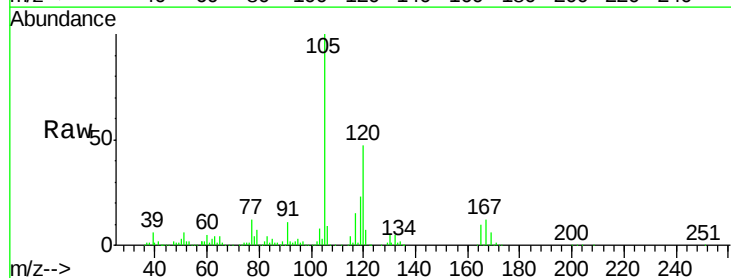
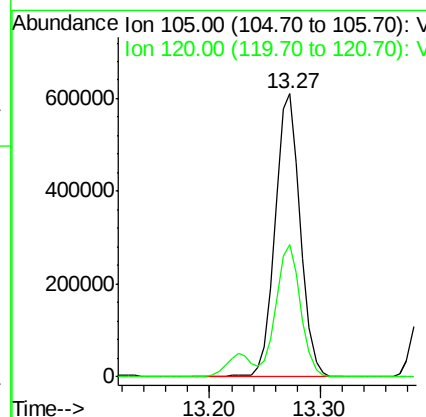
RT: 13.27 min Scan# 1930

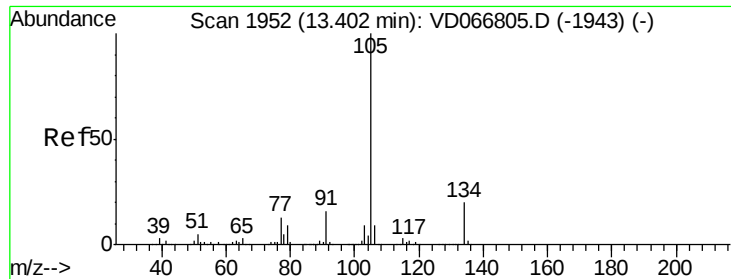
Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Tgt Ion:	105	Resp:	967690
Ion Ratio	Lower	Upper	
105	100		
120	45.5	22.3	66.9





#85

sec-Butylbenzene

Concen: 55.409 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1123318

Ion Ratio Lower Upper

105 100

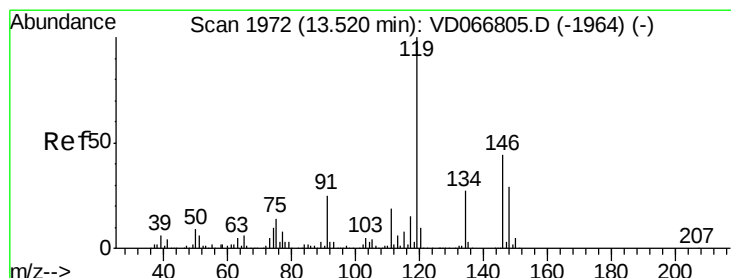
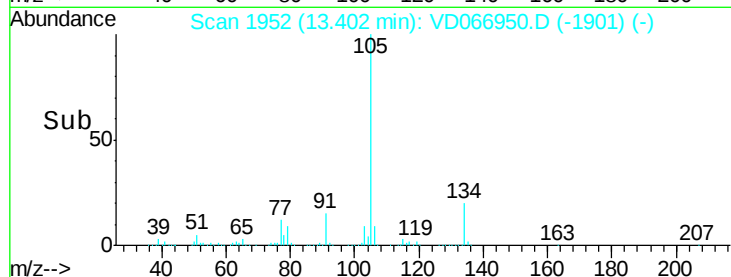
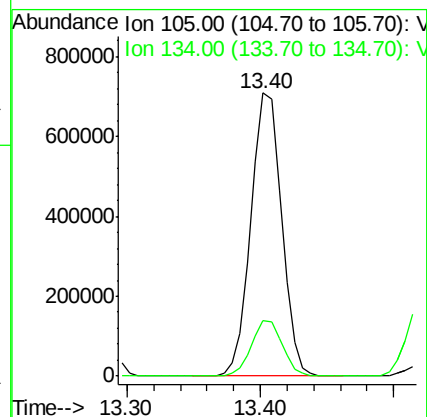
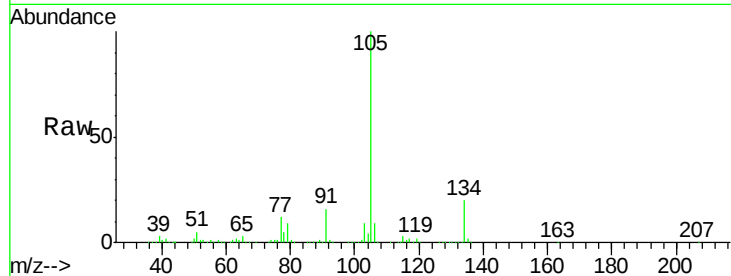
134 19.8 10.2 30.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 57.457 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

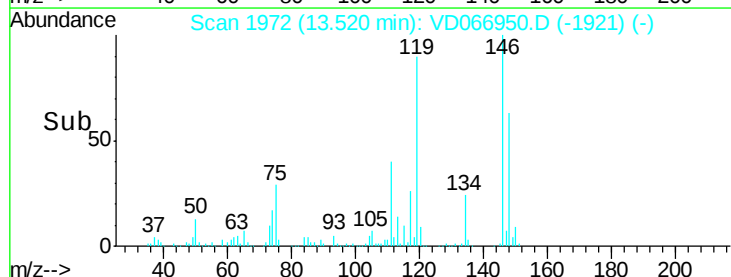
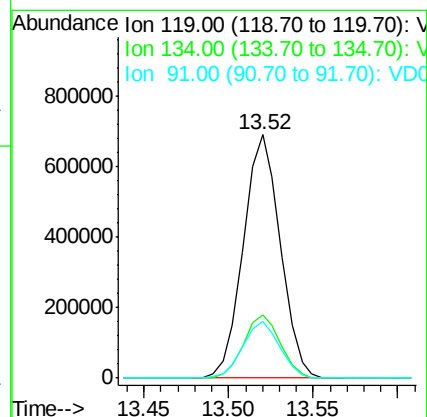
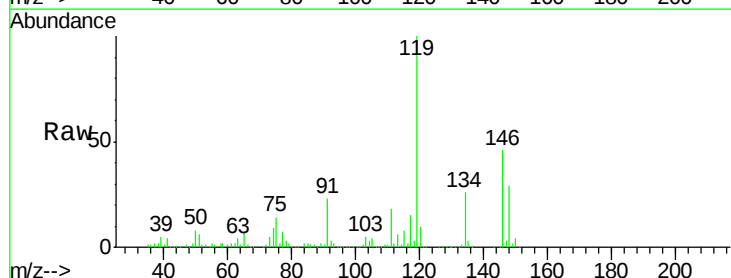
Tgt Ion:119 Resp: 1049972

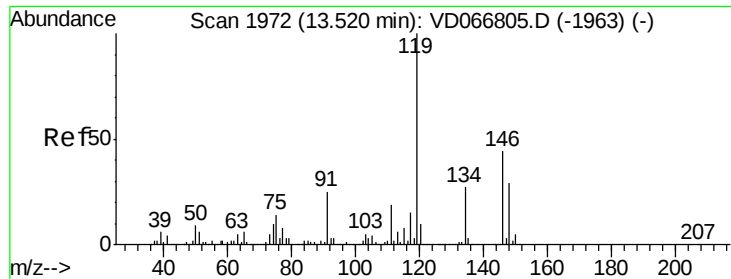
Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 23.2 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 55.657 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

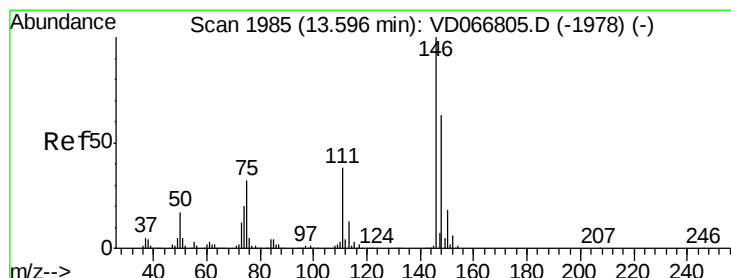
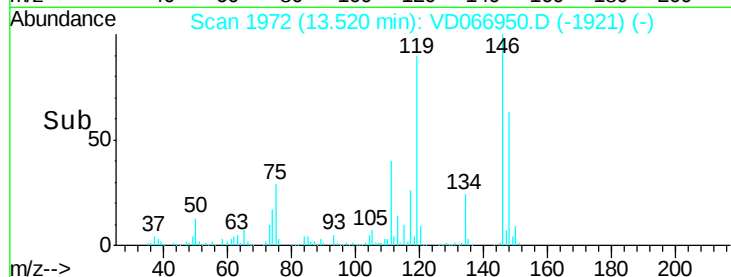
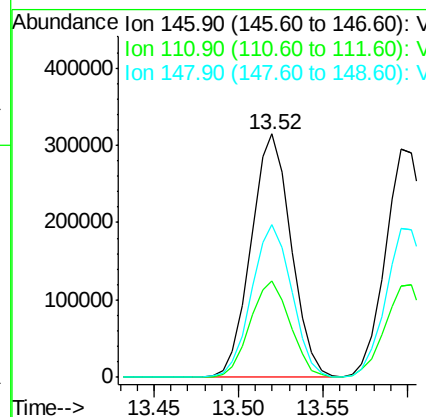
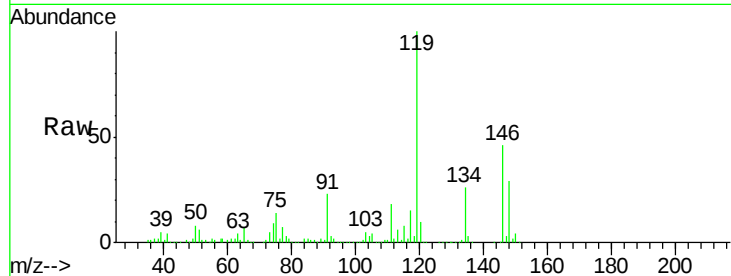
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	519995
Ion Ratio	Lower	Upper	
146	100		
111	39.6	20.3	60.9
148	62.8	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 54.252 ug/l

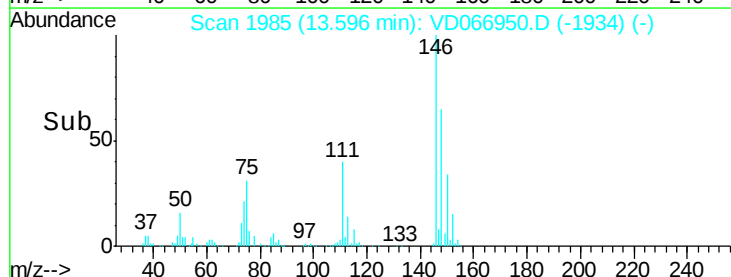
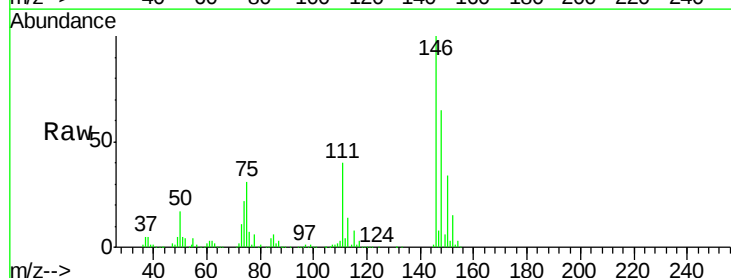
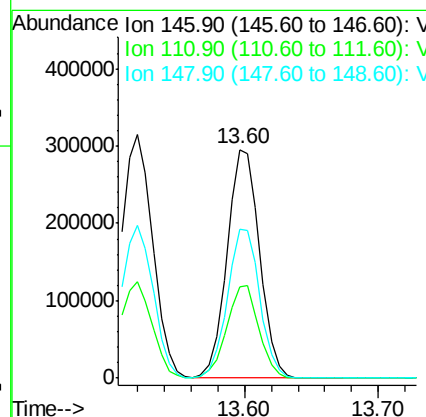
RT: 13.60 min Scan# 1985

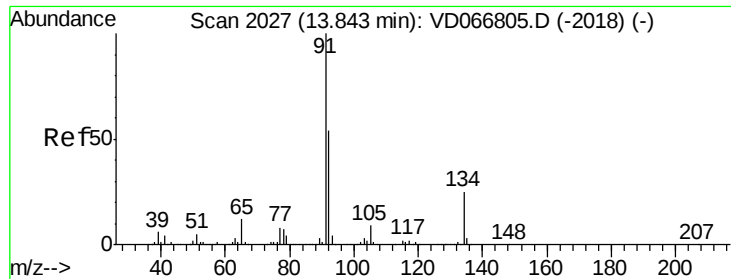
Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Tgt Ion:	146	Resp:	503417
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.2	60.5
148	64.8	31.6	94.7





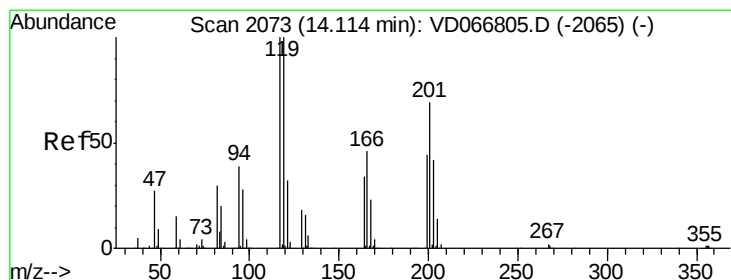
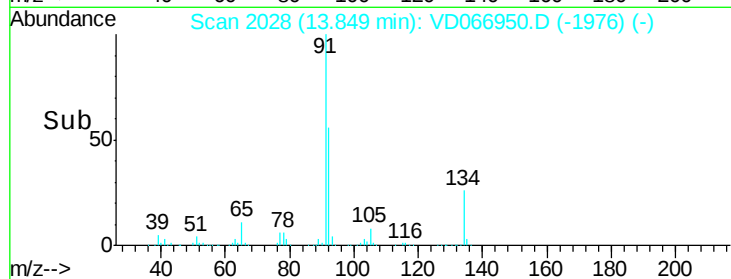
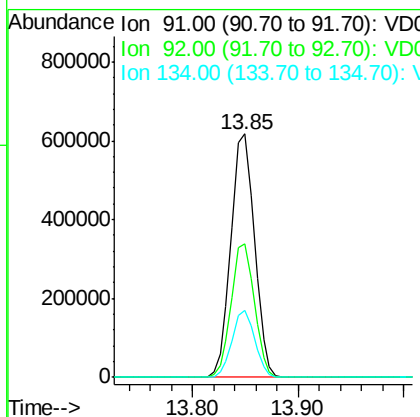
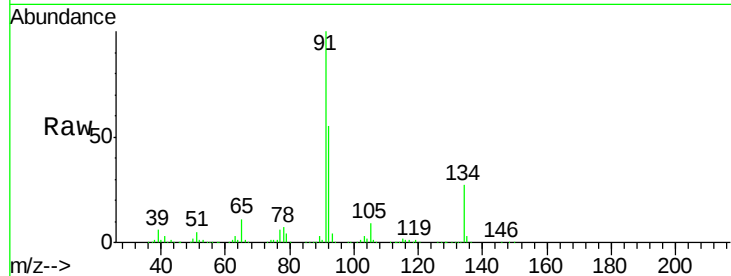
#89
n-Butylbenzene
Concen: 54.727 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.1	26.7	80.0	
134	26.5	13.1	39.1	

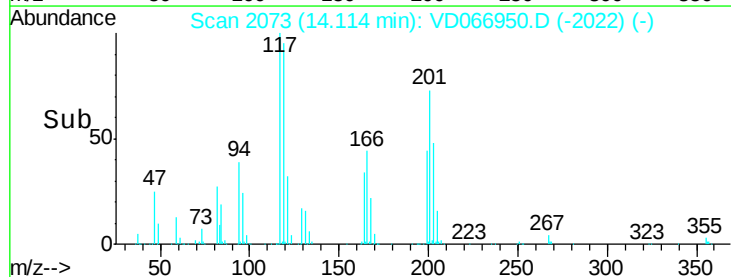
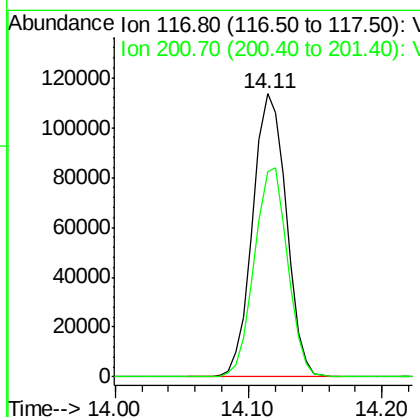
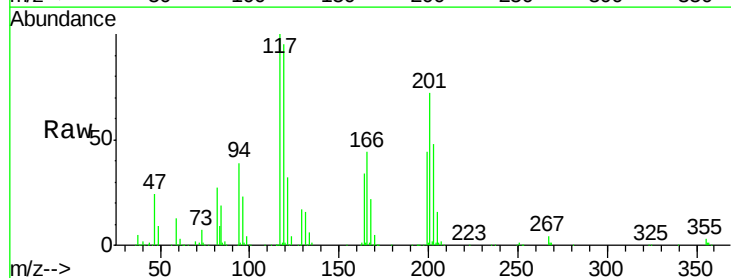
Manual Integrations
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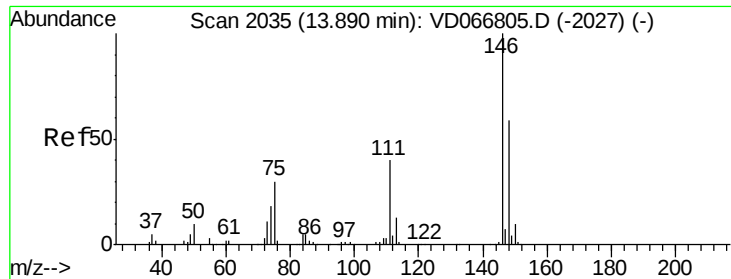
MMDadoda
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#90
Hexachloroethane
Concen: 53.385 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066950.D
Acq: 29 Sep 2020 21:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	72.9	33.7	101.0	





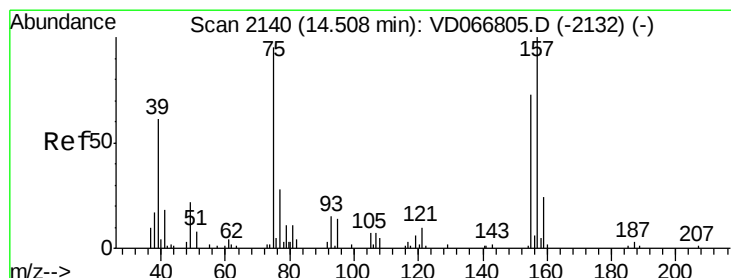
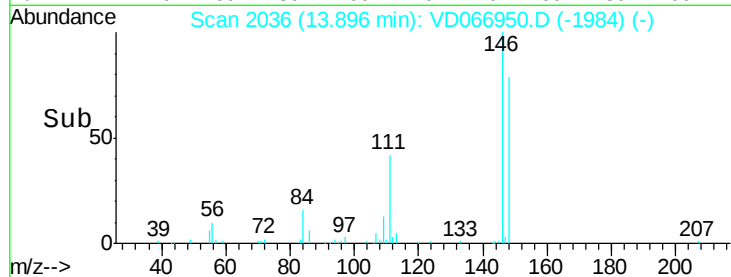
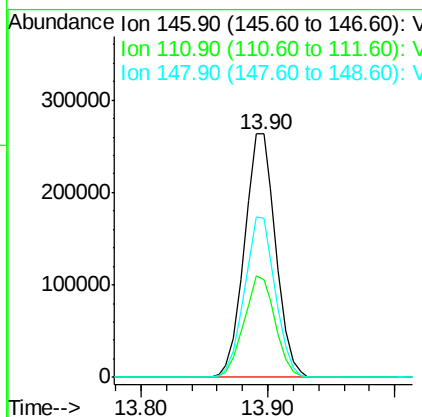
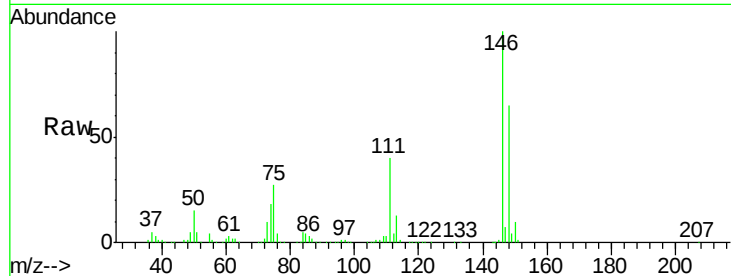
#91
 1,2-Dichlorobenzene
 Concen: 56.334 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	450286		
111	41.6	20.9	62.7	
148	64.7	31.8	95.3	

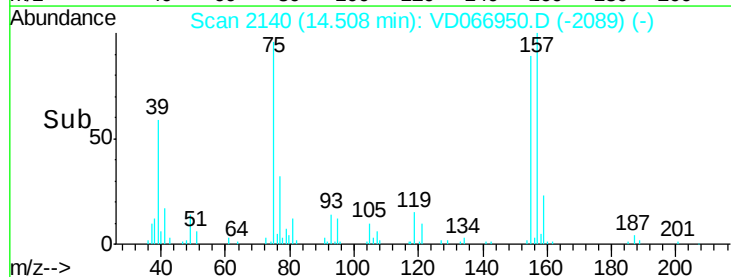
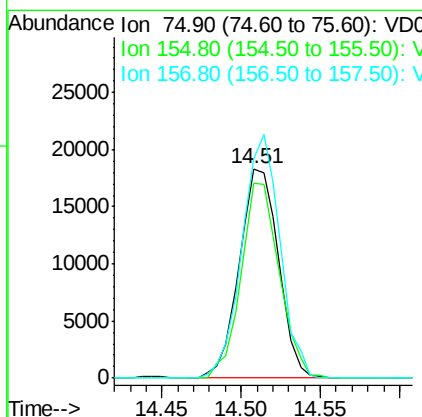
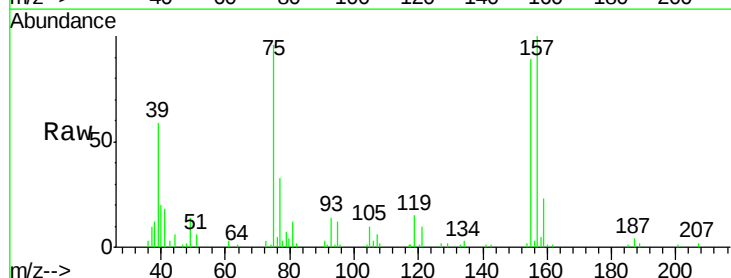
Manual Integrations
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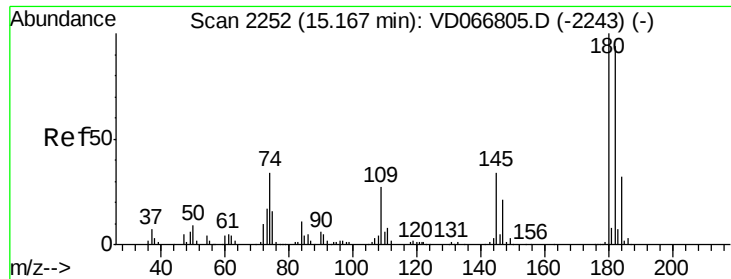
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.111 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	31493		
155	91.0	40.4	121.2	
157	112.3	51.3	153.9	





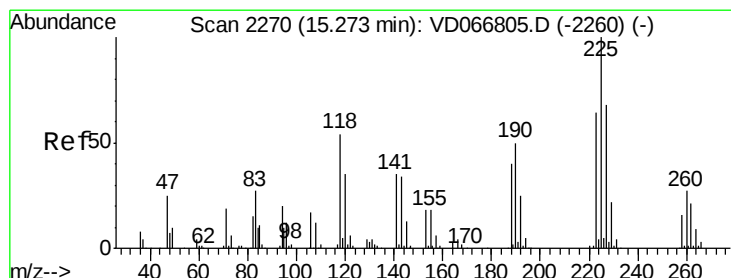
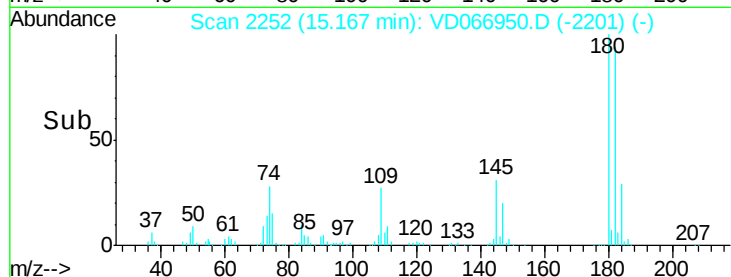
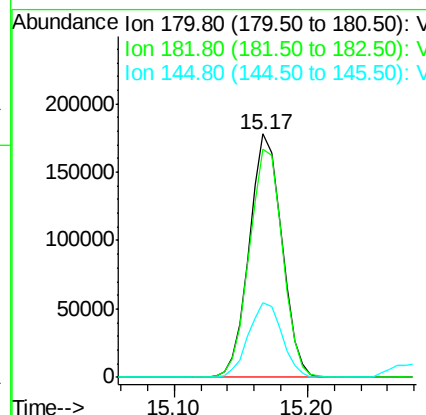
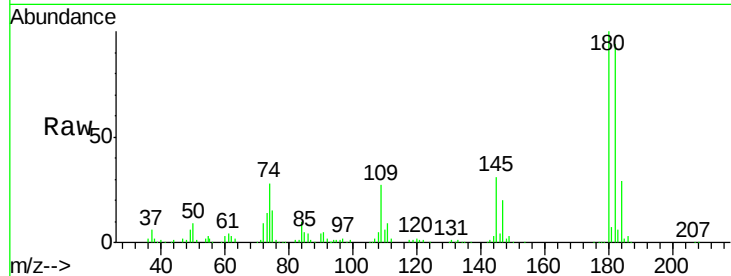
#93
 1,2,4-Trichlorobenzene
 Concen: 59.393 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	298850		
182	95.9	48.8	146.3	
145	31.7	16.7	50.0	

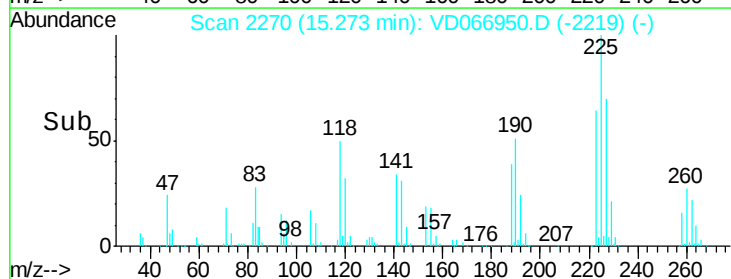
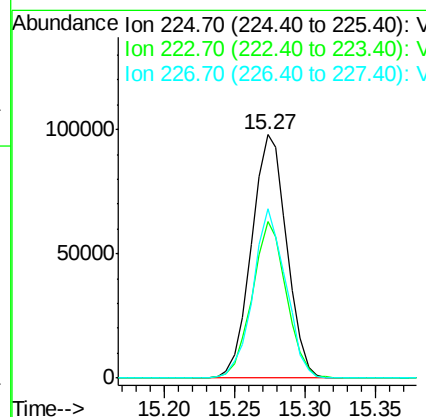
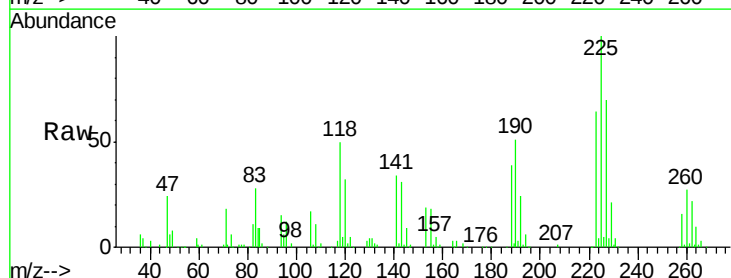
Manual Integrations
 APPROVED

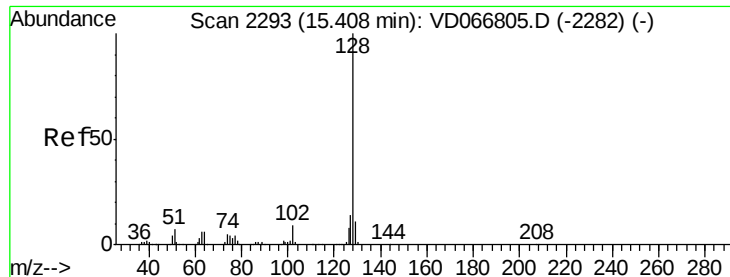
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 56.799 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066950.D
 Acq: 29 Sep 2020 21:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	171263		
223	62.4	31.1	93.3	
227	65.0	31.7	95.1	





#95

Naphthalene

Concen: 64.872 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Instrument :

MSVOA_D

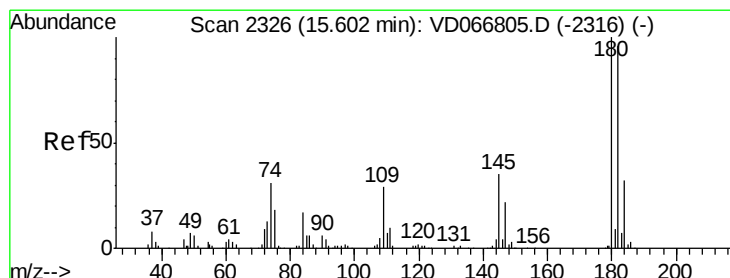
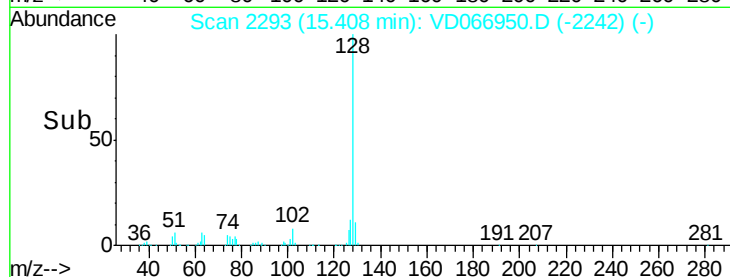
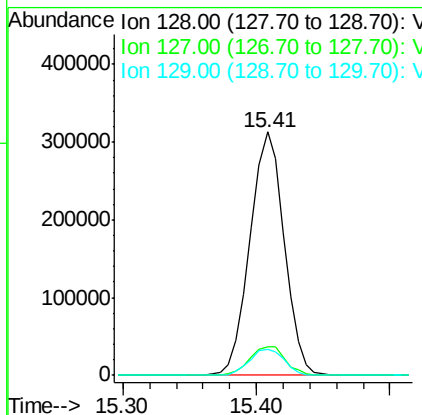
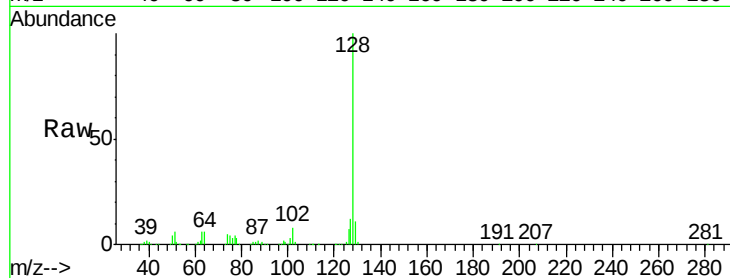
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	554183
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.6	16.0
129	11.1	8.9	13.3

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 61.178 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD066950.D

Acq: 29 Sep 2020 21:20

Tgt Ion:	180	Resp:	265696
Ion Ratio	Lower	Upper	
180	100		
182	95.4	46.8	140.3
145	34.1	17.0	51.0

