

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092220\
 Data File : VD066810.D
 Acq On : 22 Sep 2020 14:56
 Operator : VA/SY
 Sample : VD0922SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBS01

Manual Integrations
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 9/23/2020 1:05:07 PM

Quant Time: Sep 23 02:29:33 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	432845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	681548	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	614568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	291900	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	199771	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
35) Dibromofluoromethane	7.91	113	201571	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	
50) Toluene-d8	10.33	98	721842	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
62) 4-Bromofluorobenzene	12.63	95	248873	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77087	22.320	ug/l	92
3) Chloromethane	2.21	50	87100	21.901	ug/l	98
4) Vinyl Chloride	2.35	62	85076	21.654	ug/l	95
5) Bromomethane	2.76	94	56052	20.297	ug/l	98
6) Chloroethane	2.92	64	50032	20.506	ug/l	95
7) Trichlorofluoromethane	3.27	101	162035	20.081	ug/l	95
8) Diethyl Ether	3.70	74	38795	18.938	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.10	101	92412	19.751	ug/l	97
10) Methyl Iodide	4.30	142	74017	17.927	ug/l	96
11) Tert butyl alcohol	5.20	59	32832	99.501	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	84997	20.053	ug/l	96
13) Acrolein	3.92	56	30707	98.254	ug/l	98
14) Allyl chloride	4.71	41	124494	20.003	ug/l	99
15) Acrylonitrile	5.43	53	85194	93.845	ug/l	99
16) Acetone	4.15	43	85211	94.815	ug/l	91
17) Carbon Disulfide	4.41	76	260026	20.066	ug/l	100
18) Methyl Acetate	4.72	43	40355	17.787	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	178321	19.373	ug/l	97
20) Methylene Chloride	4.96	84	136309	25.218	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	99704	20.316	ug/l	95
22) Diisopropyl ether	6.36	45	258427	20.194	ug/l	98
23) Vinyl Acetate	6.30	43	653235	95.687	ug/l	97
24) 1,1-Dichloroethane	6.26	63	167589	19.576	ug/l	97
25) 2-Butanone	7.21	43	105837	97.997	ug/l	92
26) 2,2-Dichloropropane	7.20	77	152481	19.433	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	105467	19.779	ug/l	99
28) Bromochloromethane	7.54	49	68090	19.252	ug/l #	100
29) Tetrahydrofuran	7.57	42	68953	99.641	ug/l	99
30) Chloroform	7.71	83	177252	19.208	ug/l	98
31) Cyclohexane	7.98	56	152198	19.758	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	167045	20.010	ug/l	100
36) 1,1-Dichloropropene	8.11	75	138456	20.477	ug/l	99
37) Ethyl Acetate	7.28	43	46222	18.910	ug/l #	91
38) Carbon Tetrachloride	8.10	117	146142	19.770	ug/l	95

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Quant Time: Sep 23 02:29:33 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)
39) Methylcyclohexane	9.35	83	154712	19.929	ug/l	93
40) Benzene	8.34	78	380715	20.203	ug/l	97
41) Methacrylonitrile	7.52	41	27282	18.149	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	111095	19.942	ug/l	99
43) Isopropyl Acetate	8.44	43	91755	19.470	ug/l	99
44) Trichloroethene	9.11	130	104860	19.523	ug/l	93
45) 1,2-Dichloropropane	9.38	63	93390	19.697	ug/l	95
46) Dibromomethane	9.47	93	49972	19.399	ug/l	98
47) Bromodichloromethane	9.66	83	135600	19.595	ug/l	98
48) Methyl methacrylate	9.46	41	41452	17.840	ug/l	95
49) 1,4-Dioxane	9.46	88	12053	344.574	ug/l #	88
51) 4-Methyl-2-Pentanone	10.23	43	239122	100.140	ug/l	97
52) Toluene	10.40	92	247070	20.355	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	117838	20.007	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	142964	19.907	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	68677	19.393	ug/l	97
56) Ethyl methacrylate	10.66	69	75369	19.867	ug/l	98
57) 1,3-Dichloropropane	10.94	76	114792	19.631	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	214971	119.674	ug/l	99
59) 2-Hexanone	10.98	43	160602	99.733	ug/l	99
60) Dibromochloromethane	11.14	129	87146	18.855	ug/l	96
61) 1,2-Dibromoethane	11.24	107	66532	20.199	ug/l	97
64) Tetrachloroethene	10.87	164	87885	19.880	ug/l	95
65) Chlorobenzene	11.67	112	252191	19.714	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.74	131	94968	19.614	ug/l	98
67) Ethyl Benzene	11.74	91	442595	19.699	ug/l	100
68) m/p-Xylenes	11.85	106	355353	41.774	ug/l	99
69) o-Xylene	12.18	106	151263	19.665	ug/l	99
70) Styrene	12.20	104	268654	20.112	ug/l	99
71) Bromoform	12.36	173	47311	19.299	ug/l #	99
73) Isopropylbenzene	12.48	105	426844	20.242	ug/l	99
74) N-amyl acetate	12.29	43	82719	20.087	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	72337	19.880	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	54198m	22.405	ug/l	
77) Bromobenzene	12.76	156	96518	19.571	ug/l	98
78) n-propylbenzene	12.82	91	524903	20.691	ug/l	100
79) 2-Chlorotoluene	12.91	91	293171	20.280	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	368031	20.569	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20529	21.232	ug/l	97
82) 4-Chlorotoluene	13.01	91	317222	20.817	ug/l	98
83) tert-Butylbenzene	13.23	119	296268	20.151	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	365388	20.594	ug/l	98
85) sec-Butylbenzene	13.40	105	429871	20.332	ug/l	99
86) p-Isopropyltoluene	13.52	119	399877	20.982	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	195450	20.060	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	190537	19.689	ug/l	98
89) n-Butylbenzene	13.84	91	360535	19.904	ug/l	99
90) Hexachloroethane	14.11	117	75111	19.413	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	165775	19.887	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12194	20.833	ug/l	93

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ClientSampleId :
VD0922SBS01

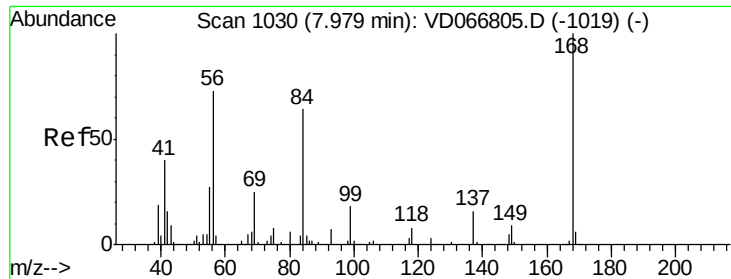
Manual Integrations
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Quant Time: Sep 23 02:29:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	99592	18.979	ug/l	99
94) Hexachlorobutadiene	15.27	225	60817	19.340	ug/l	98
95) Naphthalene	15.41	128	167296	18.778	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	89882	19.845	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

Tot Ion:168 Resp: 432845

Ion Ratio Lower Upper

168 100

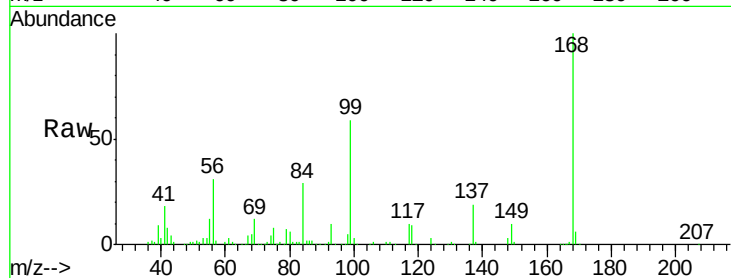
99 58.4 46.6 69.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

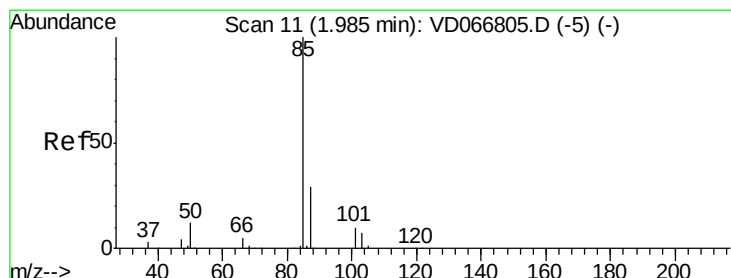
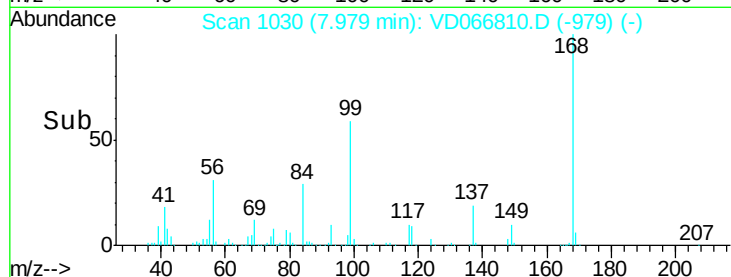
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.320 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066810.D

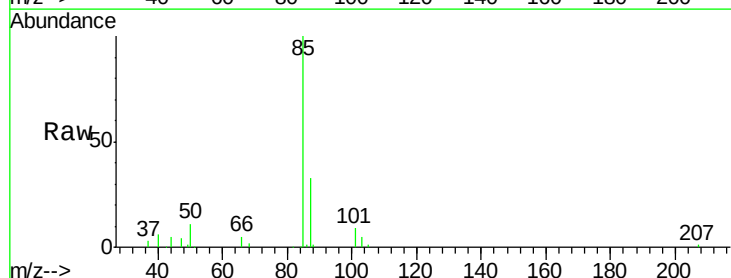
Acq: 22 Sep 2020 14:56

Tgt Ion: 85 Resp: 77087

Ion Ratio Lower Upper

85 100

87 33.1 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

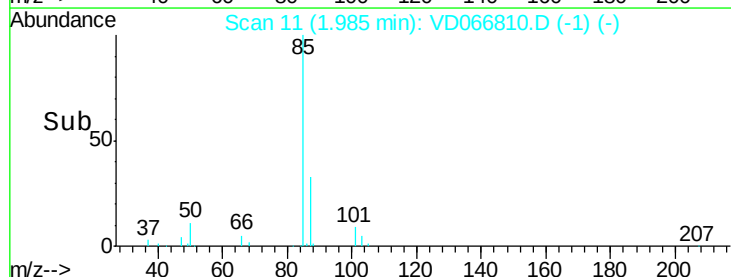
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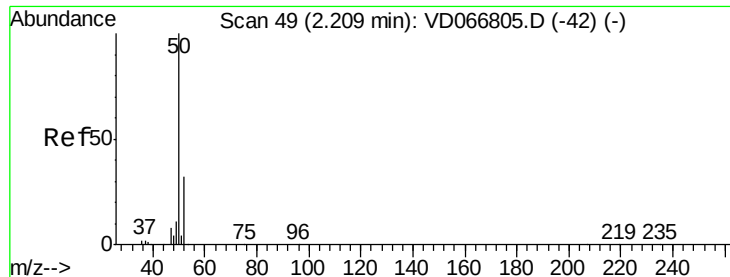
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.901 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

Tot Ion: 50 Resp: 87100

Ion Ratio Lower Upper

50 100

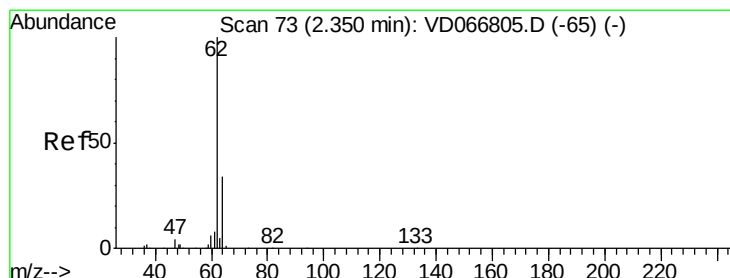
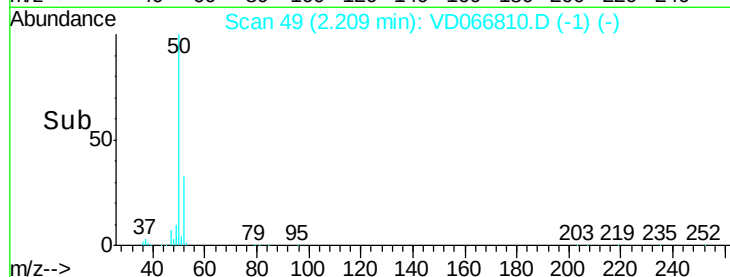
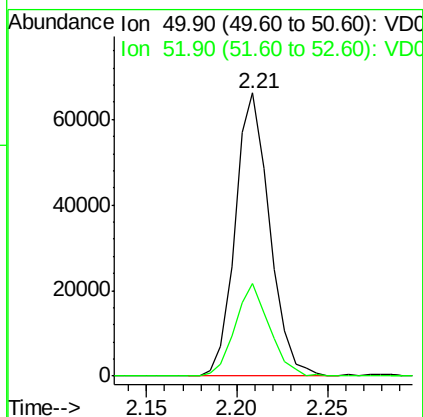
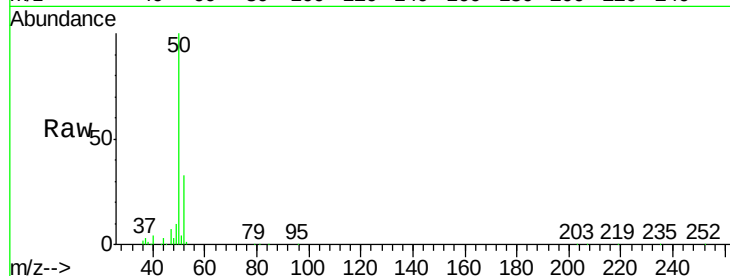
52 32.8 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.654 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066810.D

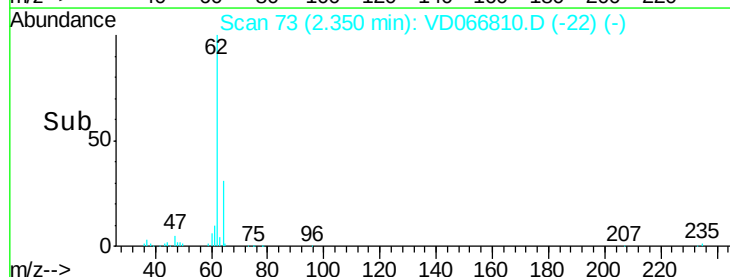
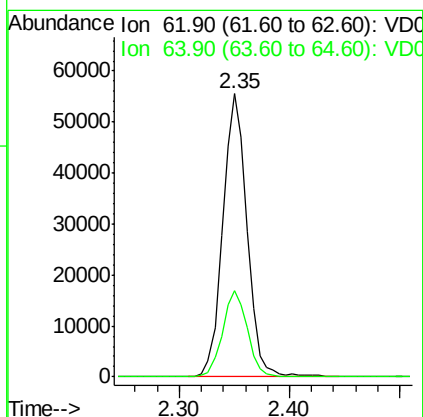
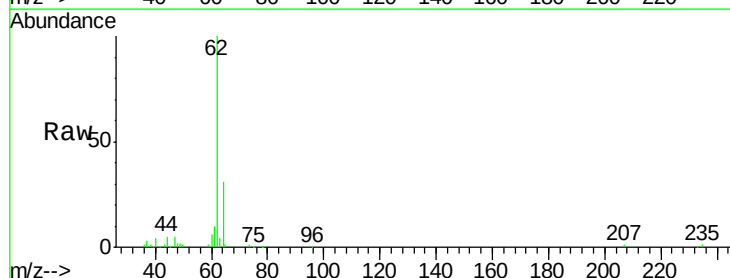
Acq: 22 Sep 2020 14:56

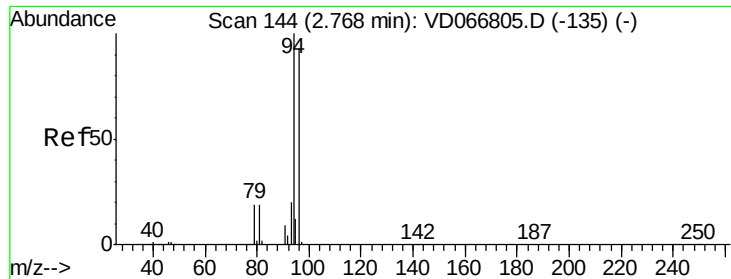
Tgt Ion: 62 Resp: 85076

Ion Ratio Lower Upper

62 100

64 30.7 27.0 40.4





#5

Bromomethane

Concen: 20.297 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

Tot Ion: 94 Resp: 56052

Ion Ratio Lower Upper

94 100

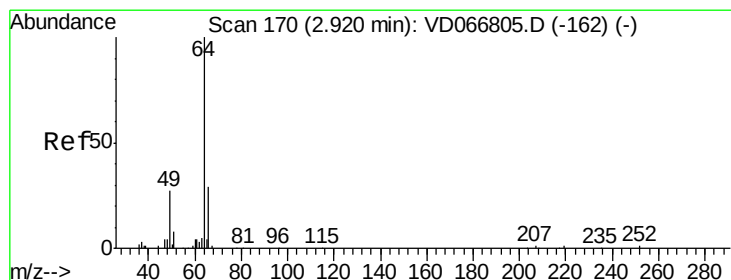
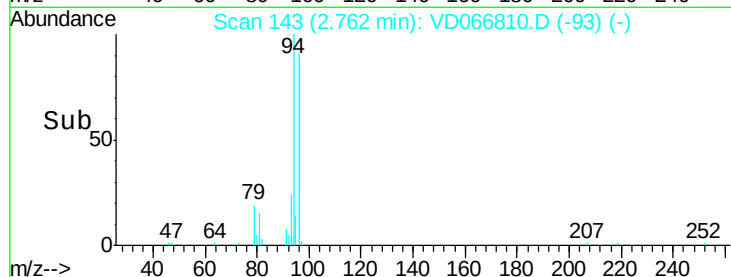
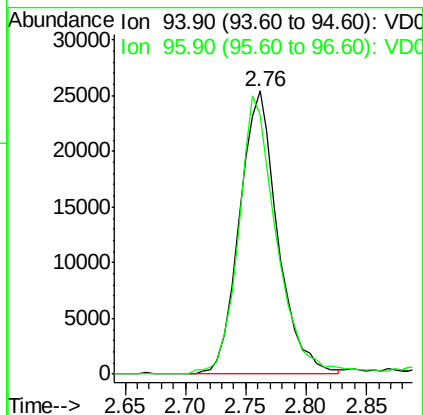
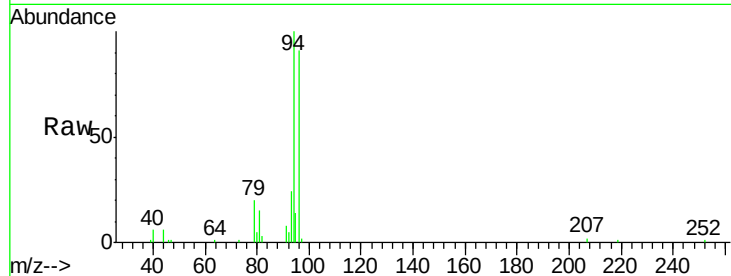
96 91.3 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 20.506 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066810.D

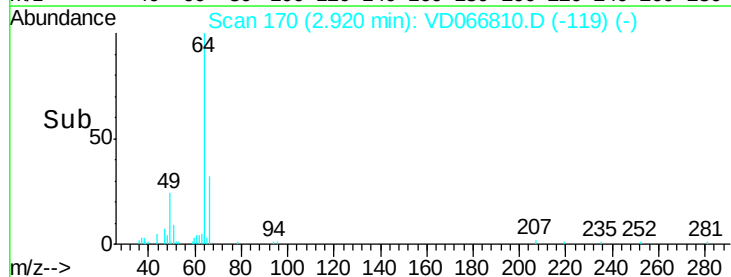
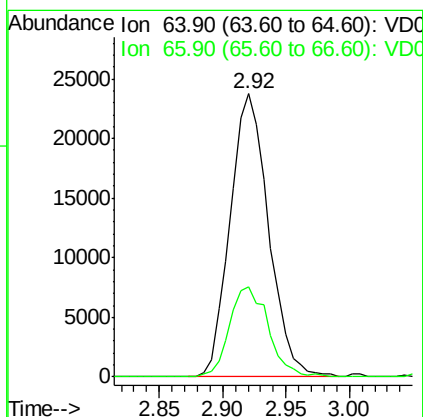
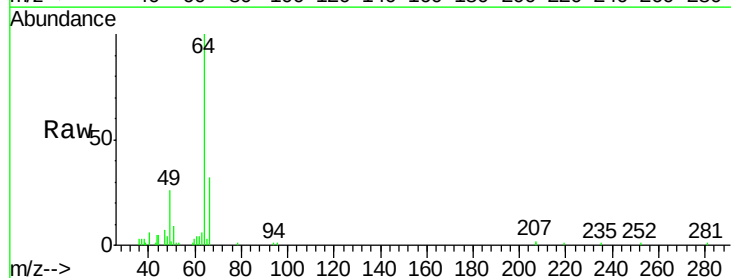
Acq: 22 Sep 2020 14:56

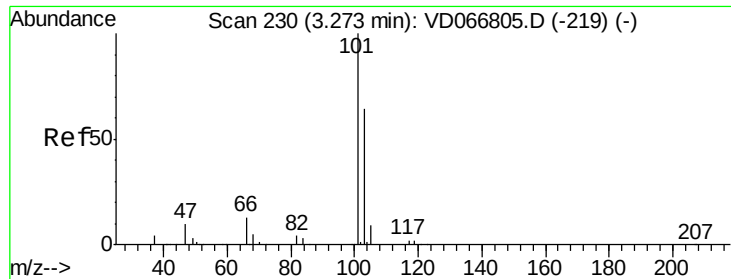
Tgt Ion: 64 Resp: 50032

Ion Ratio Lower Upper

64 100

66 31.8 23.3 34.9





#7

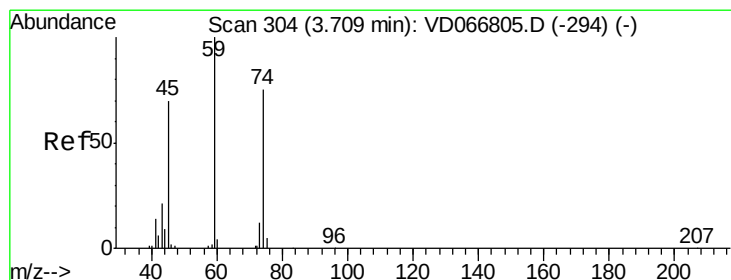
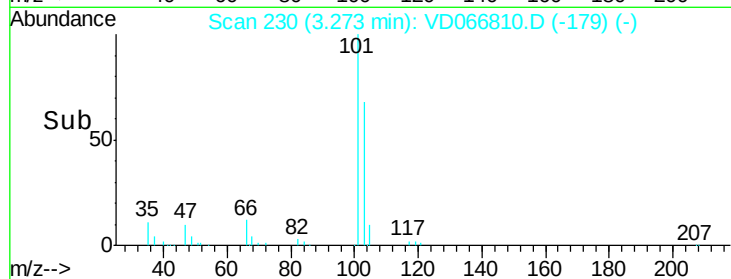
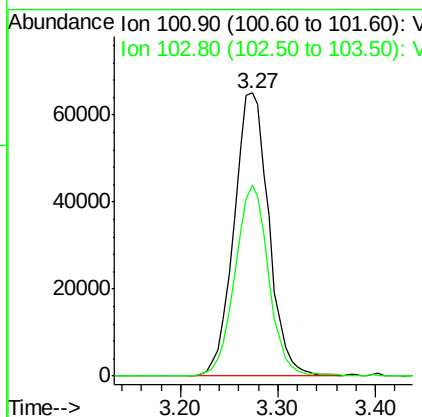
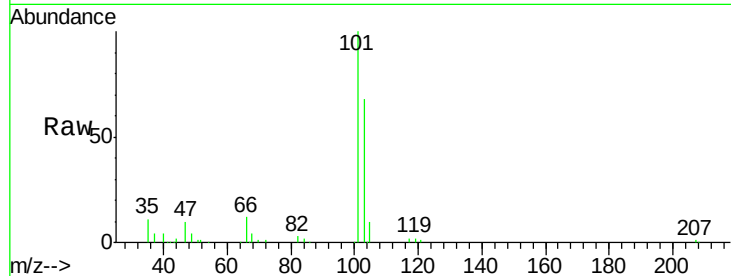
Trichlorofluoromethane
 Concen: 20.081 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066810.D
 Acq: 22 Sep 2020 14:56

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 ClientSampleId :
 VD0922SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	162035		
103	67.6	51.0	76.6	

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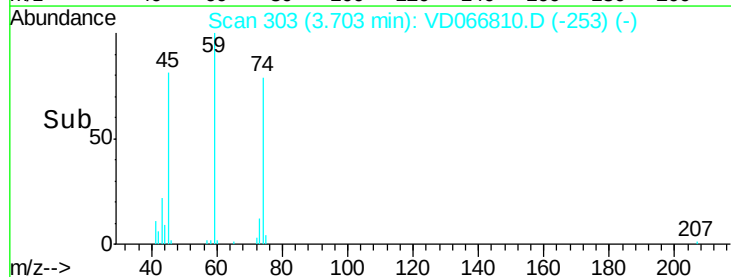
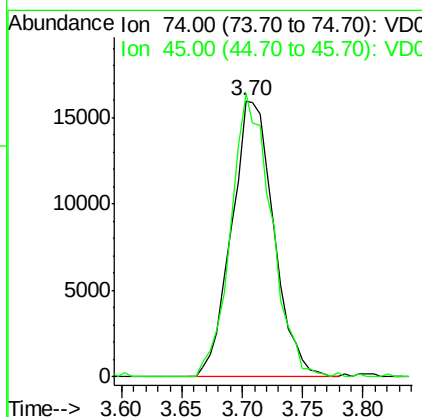
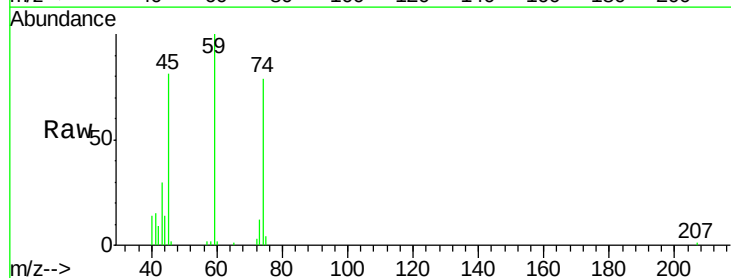
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 9/23/2020 1:05:07 PM

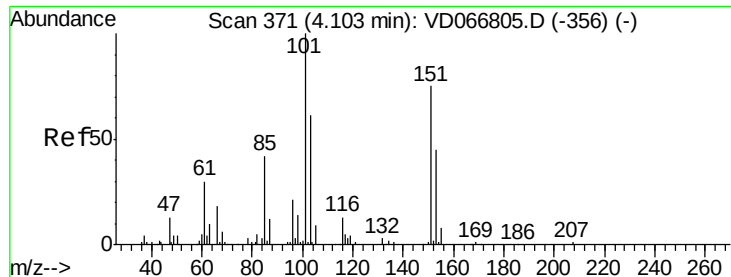


#8

Diethyl Ether
 Concen: 18.938 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD066810.D
 Acq: 22 Sep 2020 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	38795		
45	98.4	46.0	138.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.751 ug/l

RT: 4.10 min Scan# 371

Delta R.T. -0.00 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

Instrument :

MSVOA_D

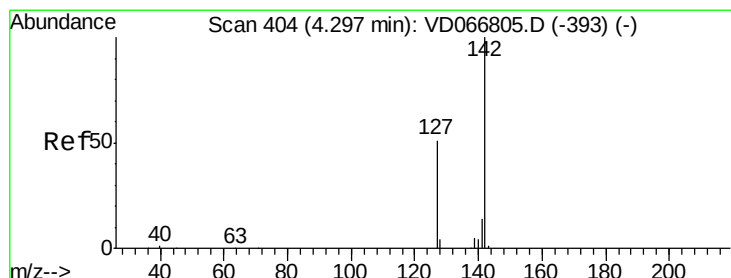
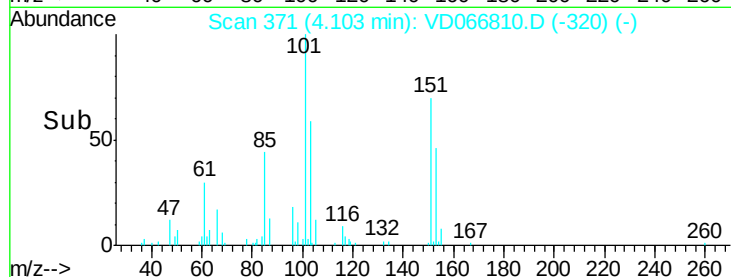
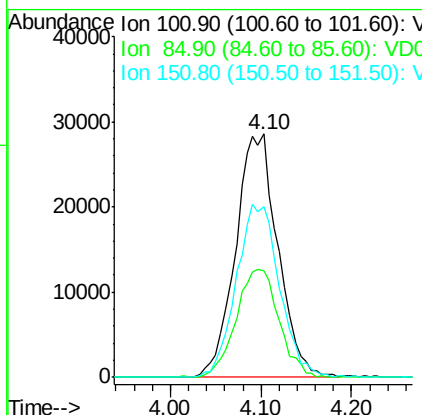
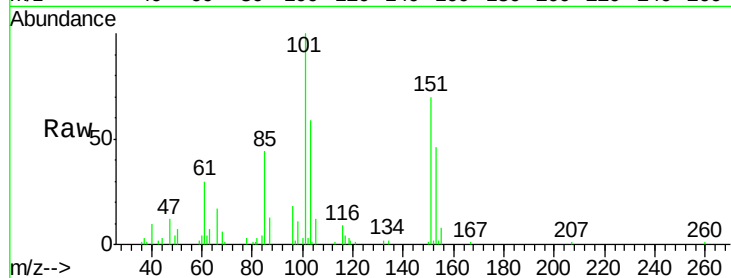
ClientSampleId :

VD0922SBS01

Tot Ion:	101	Resp:	92412
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.4	53.2
151	72.8	61.4	92.0

Manual Integrations
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#10

Methyl Iodide

Concen: 17.927 ug/l

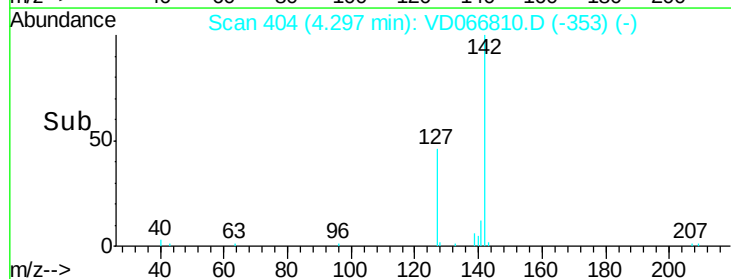
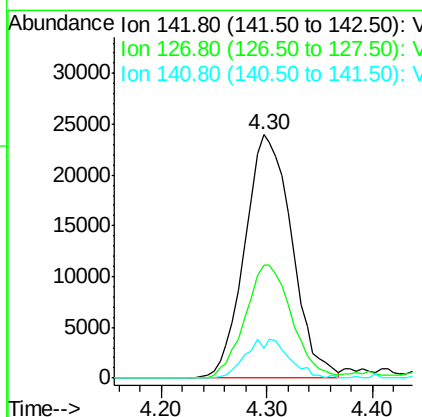
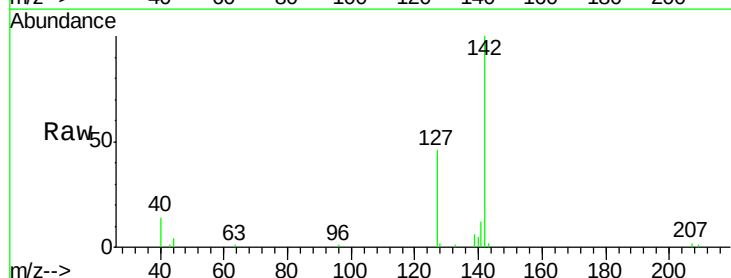
RT: 4.30 min Scan# 404

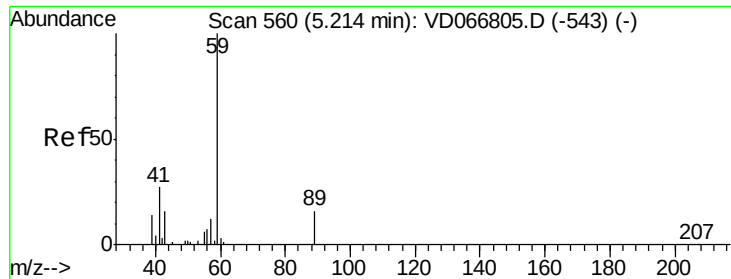
Delta R.T. -0.00 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

Tgt Ion:	142	Resp:	74017
Ion Ratio	Lower	Upper	
142	100		
127	46.2	39.4	59.0
141	14.9	12.1	18.1





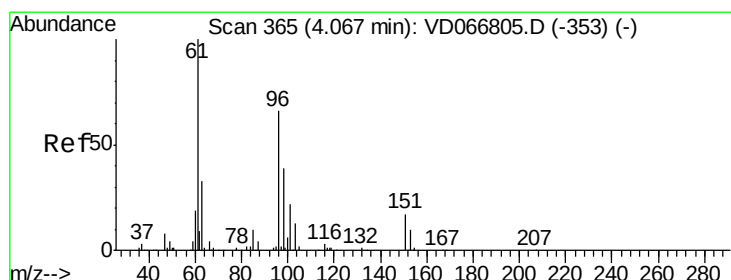
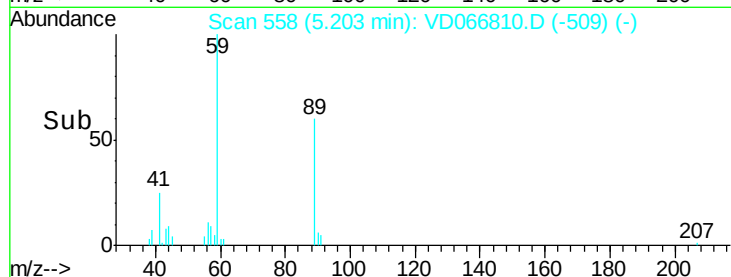
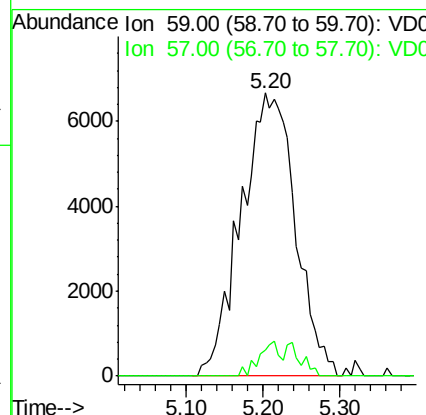
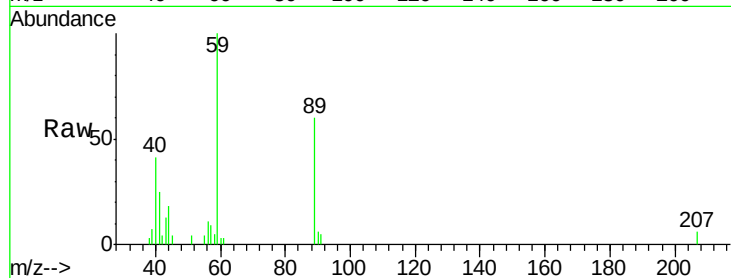
#11
Tert butyl alcohol
Concen: 99.501 ug/l
RT: 5.20 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

Tot Ion: 59 Resp: 32832
Ion Ratio Lower Upper
59 100
57 4.7 8.3 12.5#

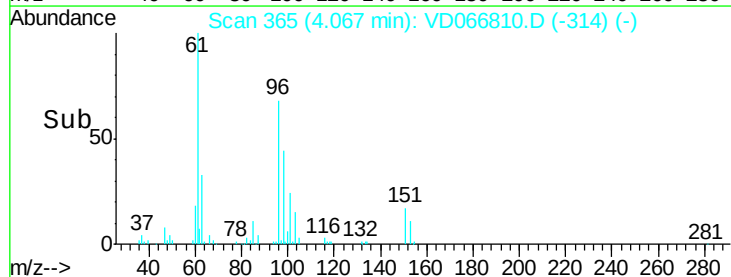
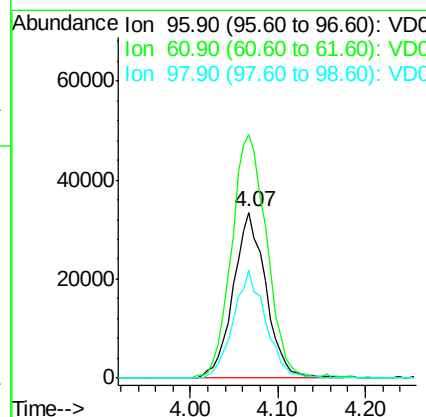
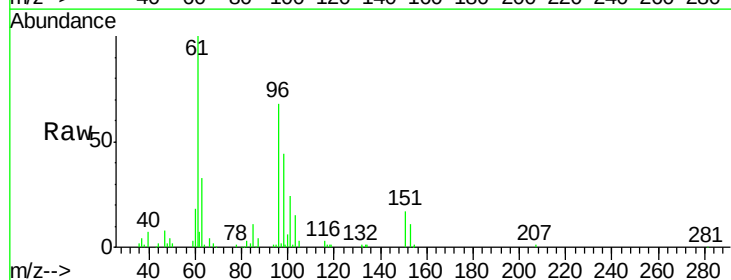
Manual Integrations
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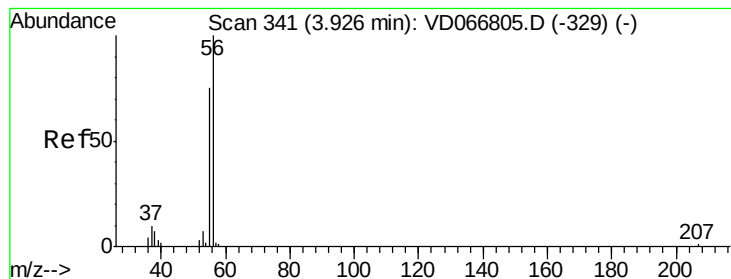
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.053 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Tgt Ion: 96 Resp: 84997
Ion Ratio Lower Upper
96 100
61 146.9 120.8 181.2
98 64.8 47.7 71.5





#13

Acrolein

Concen: 98.254 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

Tot Ion: 56 Resp: 30707

Ion Ratio Lower Upper

56 100

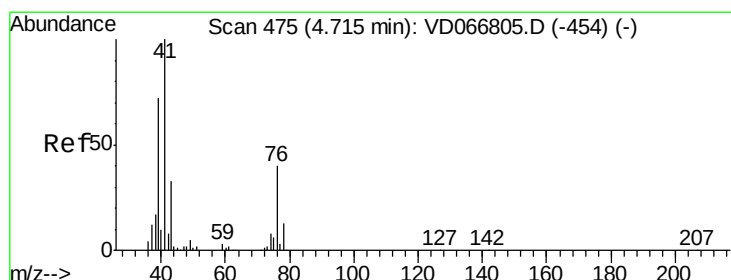
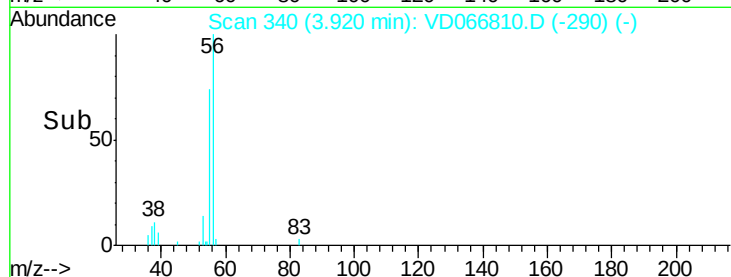
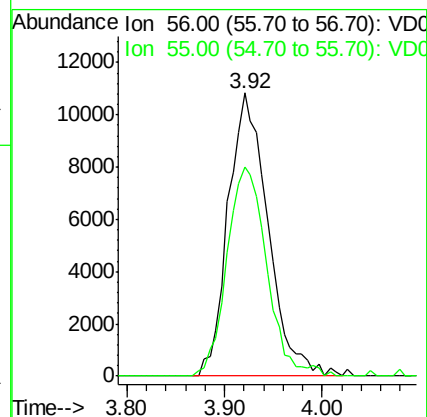
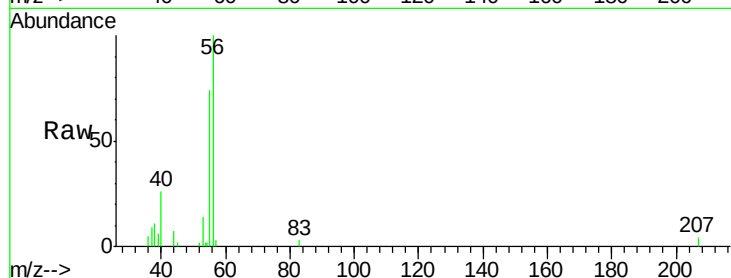
55 73.9 60.3 90.5

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#14

Allyl chloride

Concen: 20.003 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

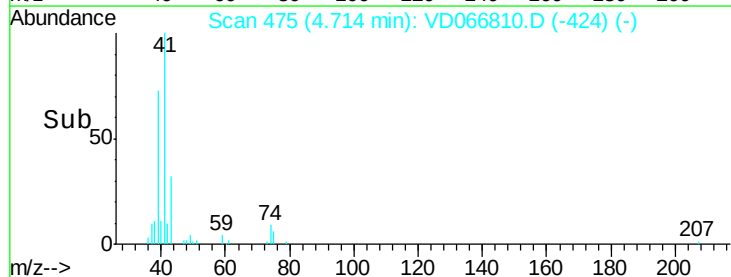
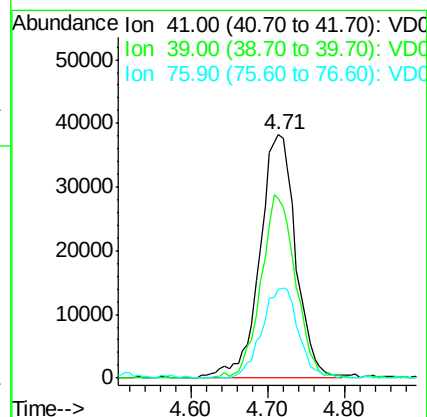
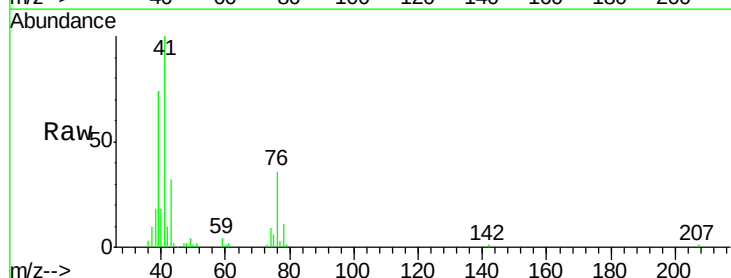
Tgt Ion: 41 Resp: 124494

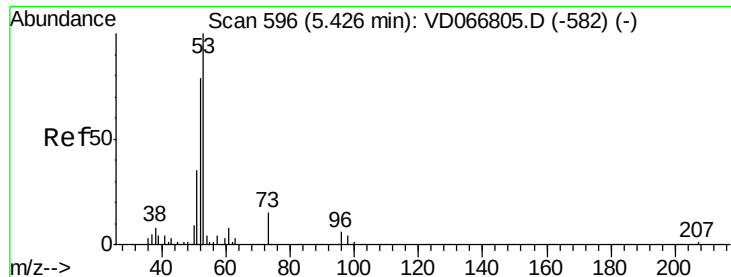
Ion Ratio Lower Upper

41 100

39 71.5 57.8 86.8

76 37.2 30.9 46.3





#15

Acrylonitrile

Concen: 93.845 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

Instrument :

MSVOA_D

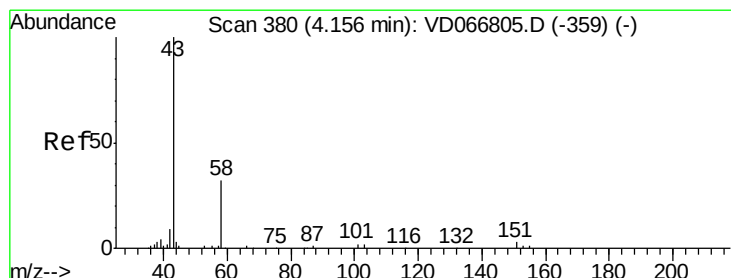
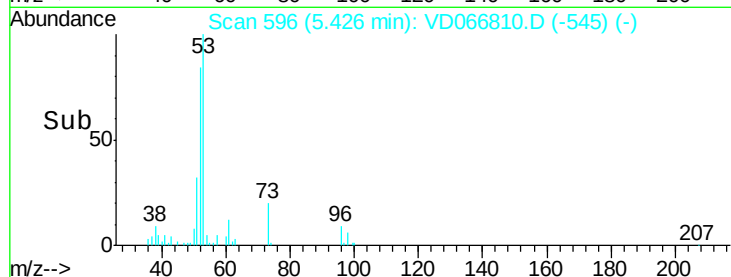
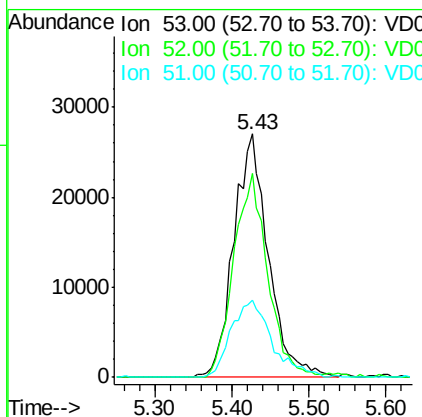
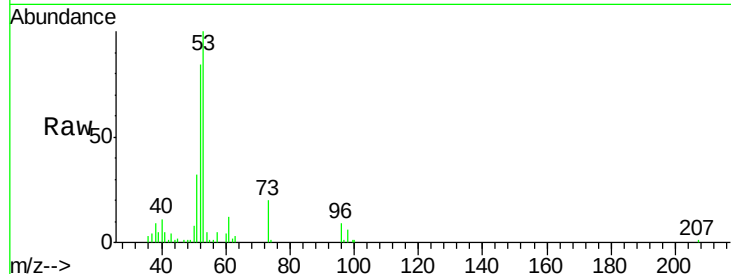
ClientSampleId :

VD0922SBS01

Tot Ion:	53	Resp:	85194
Ion Ratio	Lower	Upper	
53	100		
52	82.2	65.2	97.8
51	37.2	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 94.815 ug/l

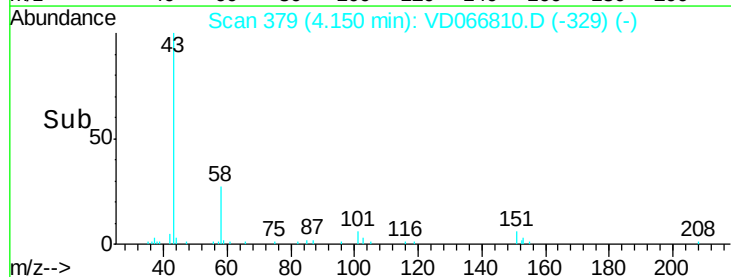
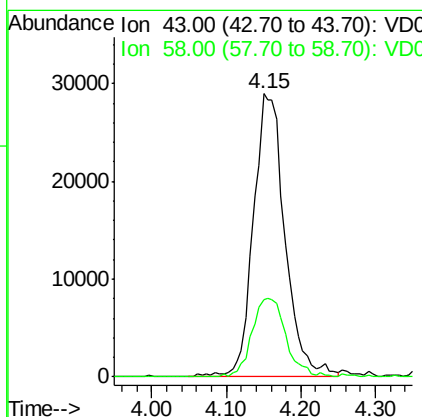
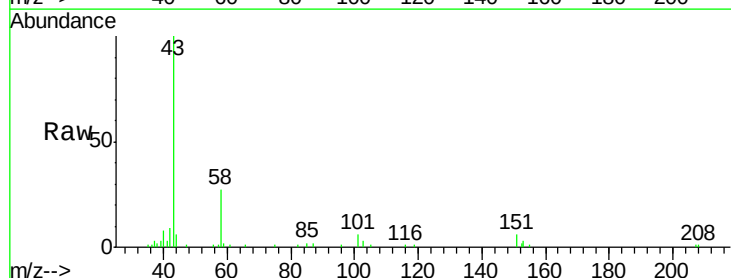
RT: 4.15 min Scan# 379

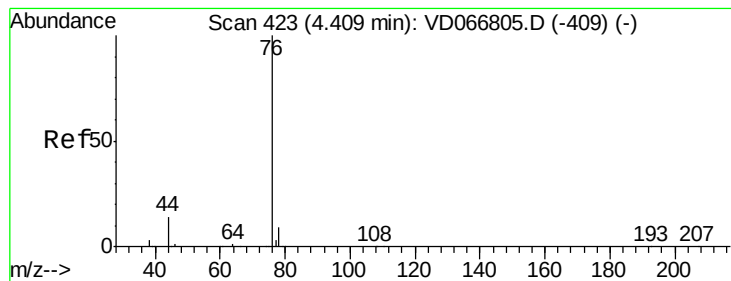
Delta R.T. -0.01 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

Tgt Ion:	43	Resp:	85211
Ion Ratio	Lower	Upper	
43	100		
58	27.2	25.6	38.4





#17

Carbon Disulfide

Concen: 20.066 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

Tot Ion: 76 Resp: 260026

Ion Ratio Lower Upper

76 100

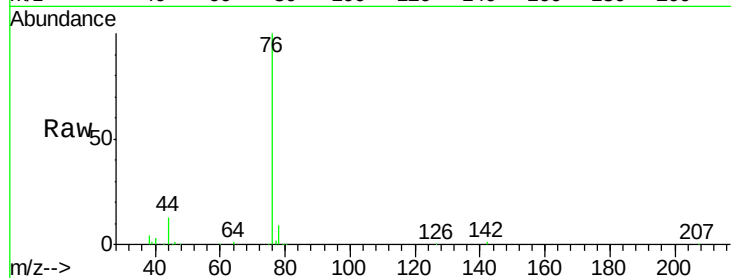
78 9.4 7.6 11.4

Manual Integrations

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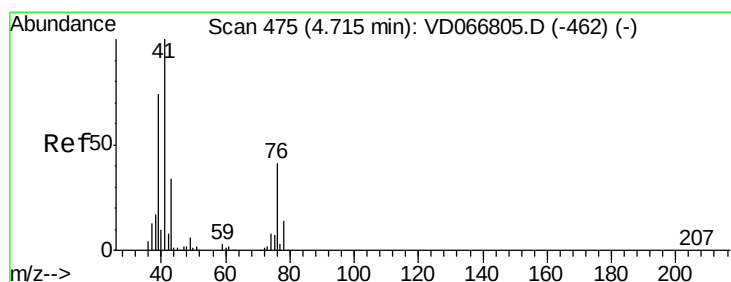
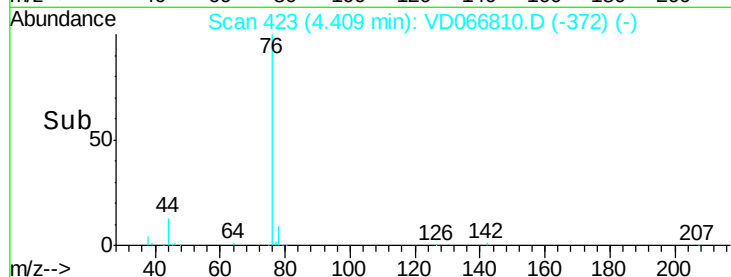
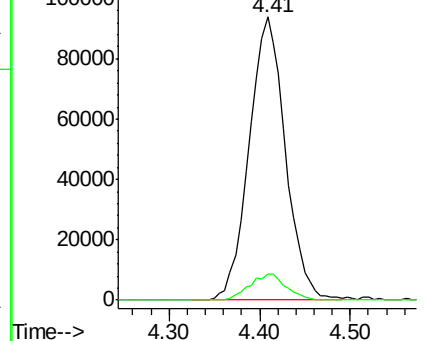
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 17.787 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066810.D

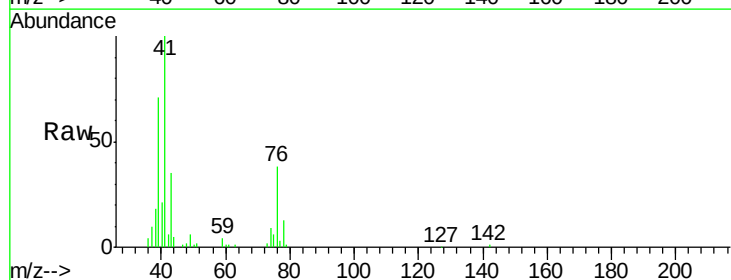
Acq: 22 Sep 2020 14:56

Tgt Ion: 43 Resp: 40355

Ion Ratio Lower Upper

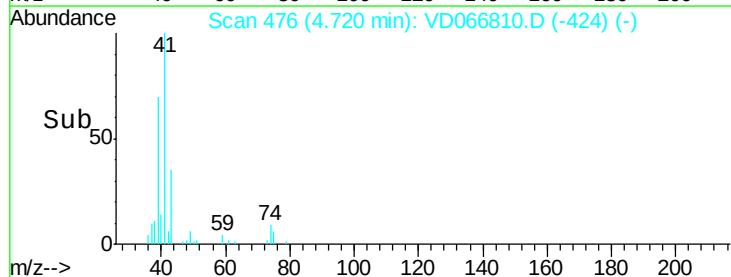
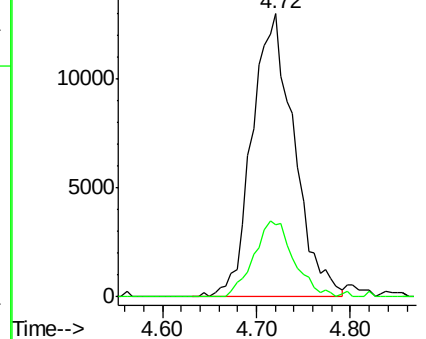
43 100

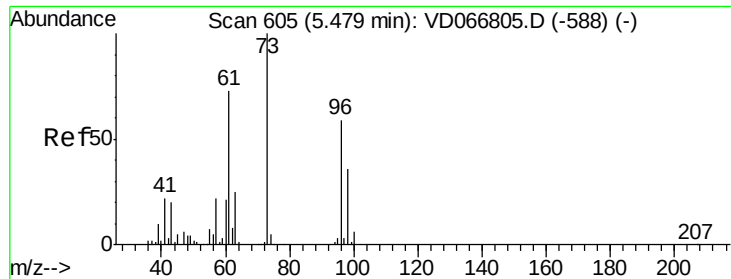
74 25.3 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





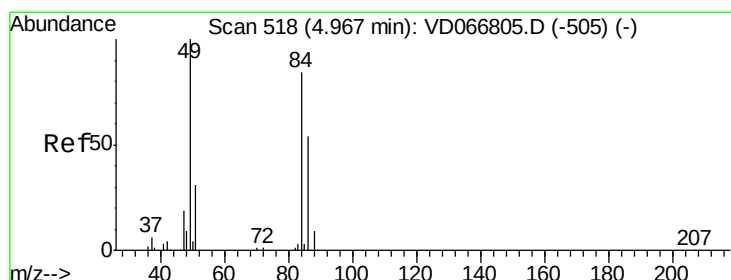
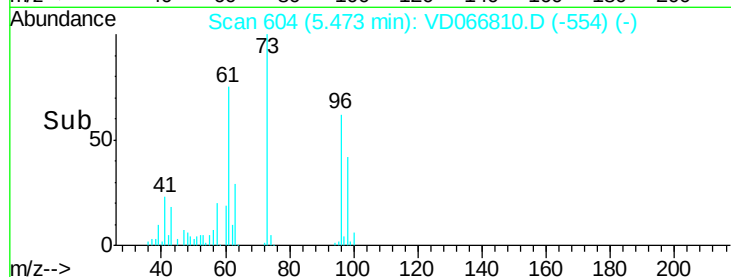
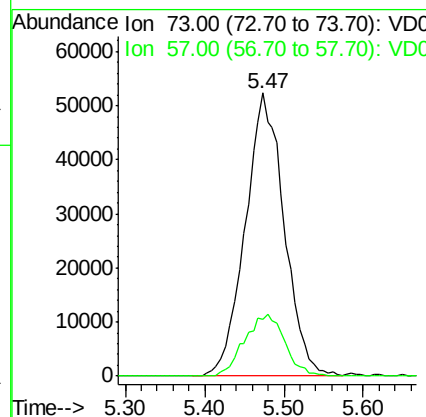
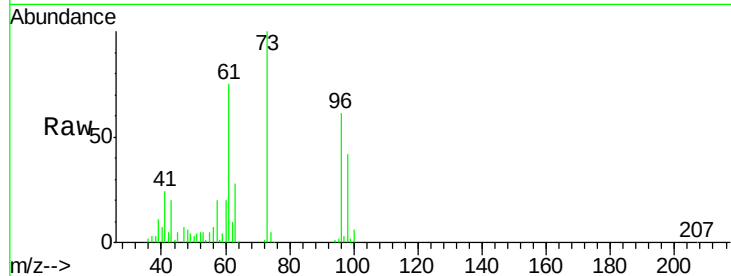
#19
Methyl tert-butyl Ether
Concen: 19.373 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

Tot Ion: 73 Resp: 178321
Ion Ratio Lower Upper
73 100
57 20.3 17.4 26.2

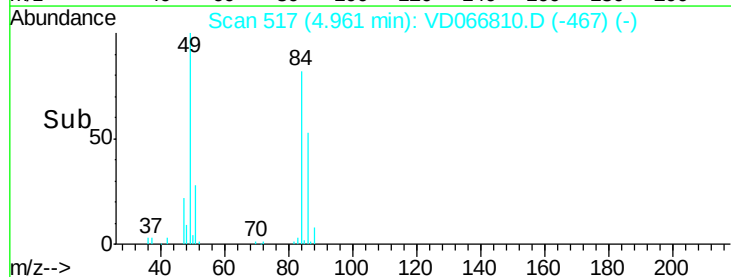
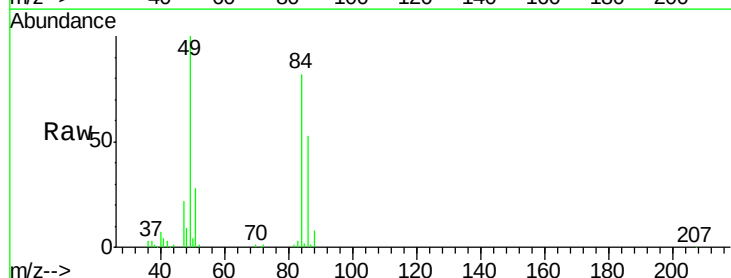
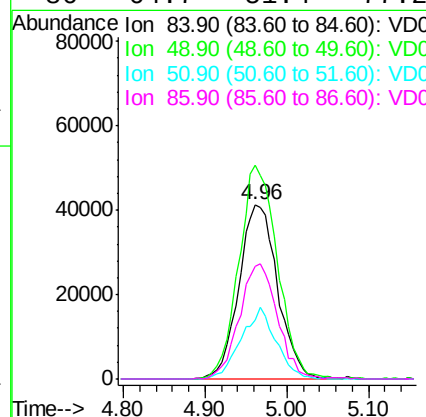
Manual Integrations
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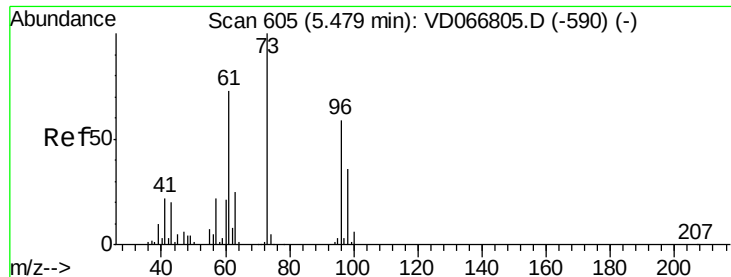
MMDadoda
9/23/2020 1:05:07 PM



#20
Methylene Chloride
Concen: 25.218 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Tgt Ion: 84 Resp: 136309
Ion Ratio Lower Upper
84 100
49 122.7 95.4 143.2
51 33.7 29.7 44.5
86 64.7 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.316 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

Instrument :

MSVOA_D

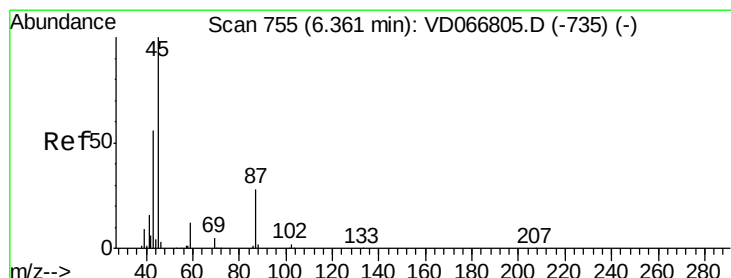
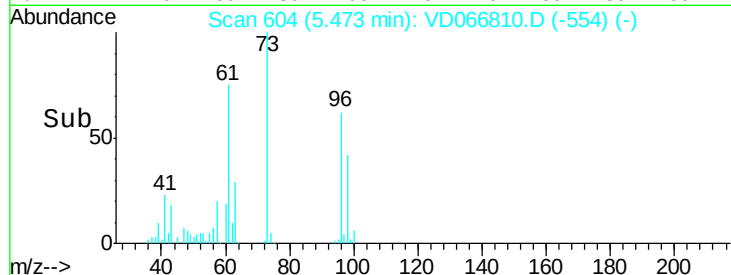
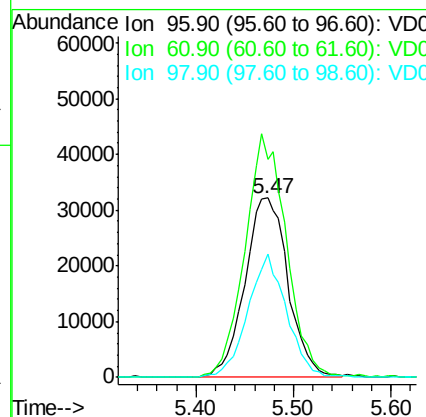
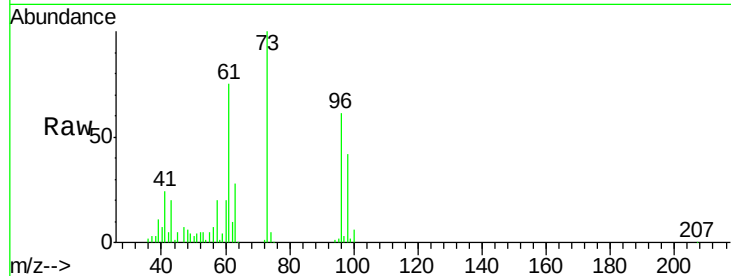
ClientSampleId :

VD0922SBS01

Tot Ion:	96	Resp:	99704
Ion	Ratio	Lower	Upper
96	100		
61	121.7	98.9	148.3
98	68.5	48.4	72.6

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#22

Diisopropyl ether

Concen: 20.194 ug/l

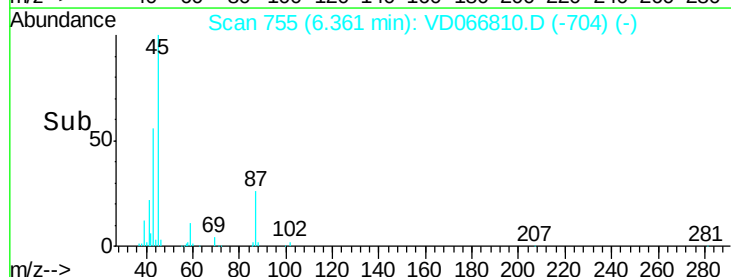
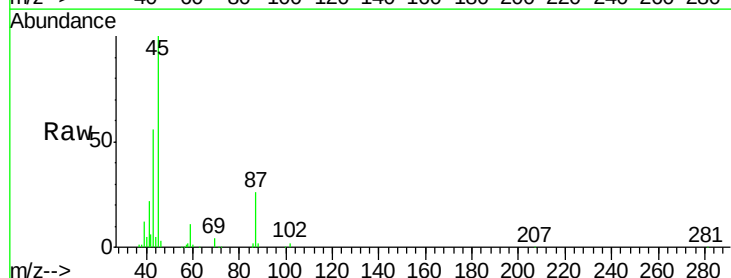
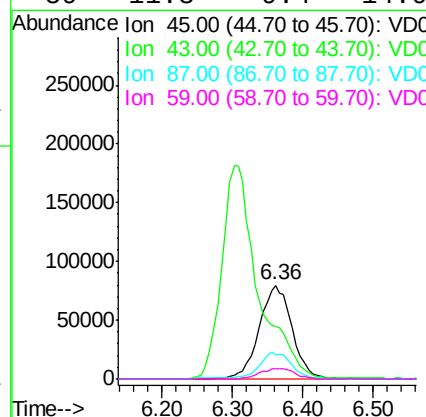
RT: 6.36 min Scan# 755

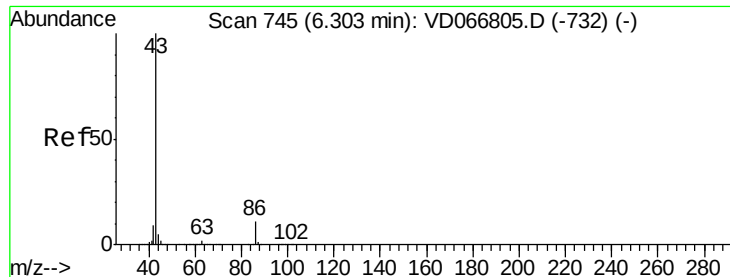
Delta R.T. -0.00 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

Tgt Ion:	45	Resp:	258427
Ion	Ratio	Lower	Upper
45	100		
43	55.1	44.5	66.7
87	25.8	22.9	34.3
59	11.3	9.4	14.0





#23

Vinyl Acetate

Concen: 95.687 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

Tot Ion: 43 Resp: 653235

Ion Ratio Lower Upper

43 100

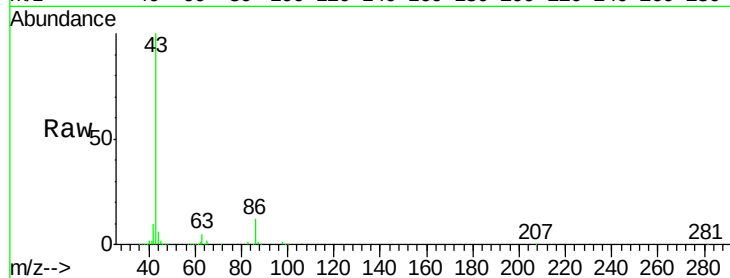
86 12.3 8.9 13.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

200000

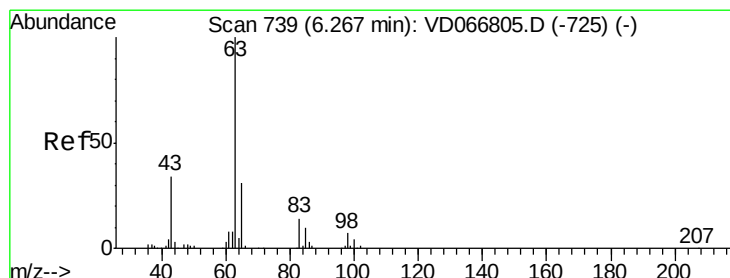
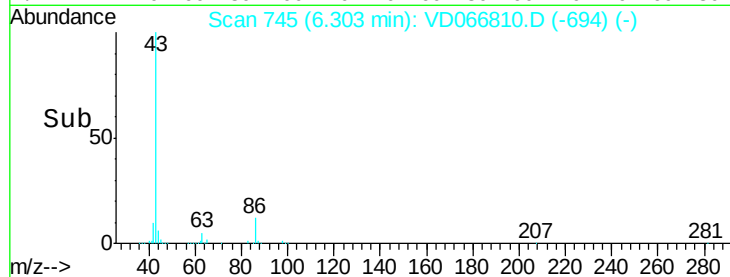
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.576 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

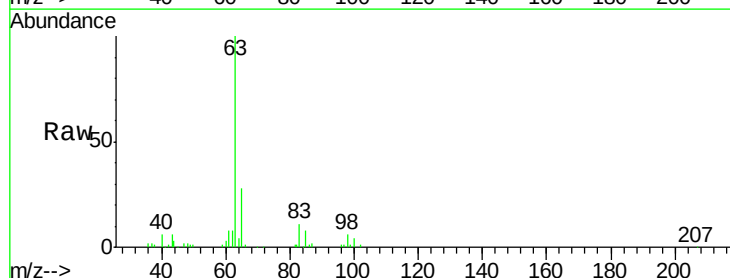
Tgt Ion: 63 Resp: 167589

Ion Ratio Lower Upper

63 100

98 6.1 3.7 11.1

100 3.8 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

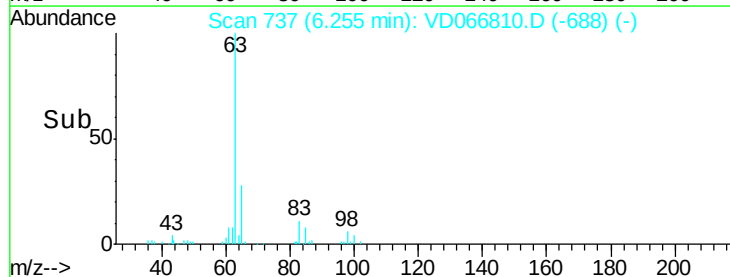
60000

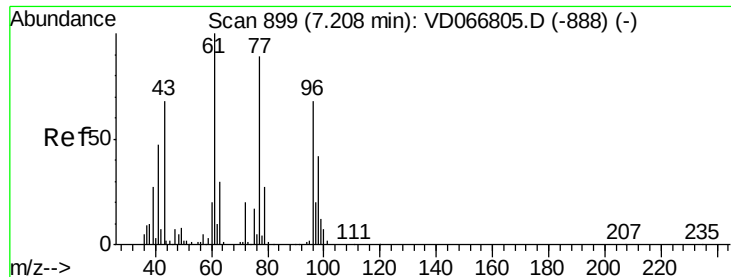
40000

20000

0

Time-->





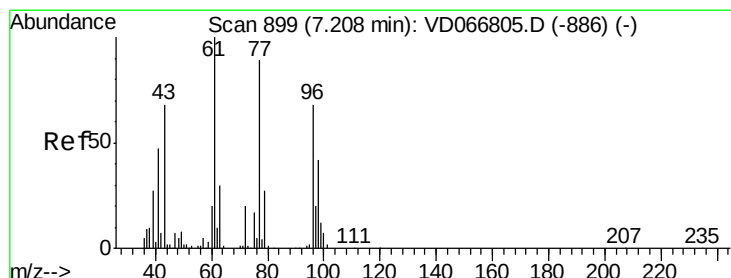
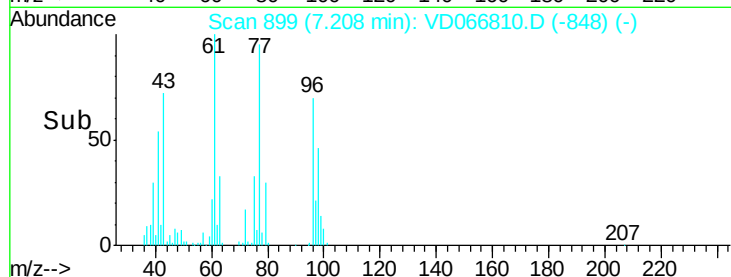
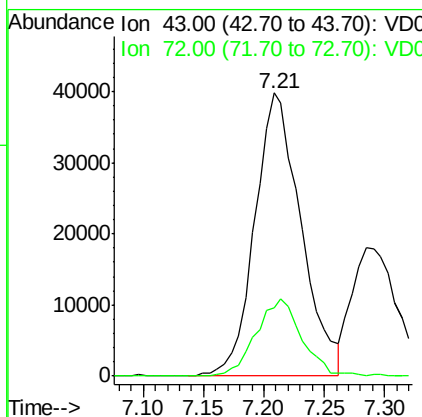
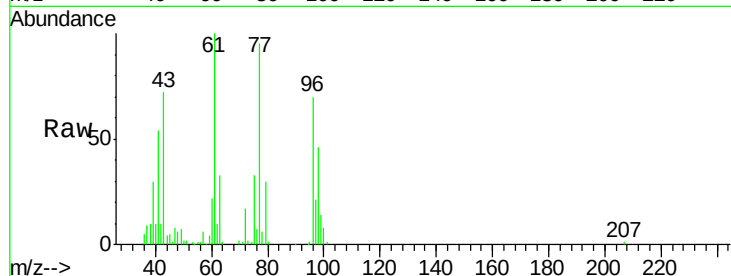
#25
2-Butanone
Concen: 97.997 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

Tot Ion: 43 Resp: 105837
Ion Ratio Lower Upper
43 100
72 24.1 22.9 34.3

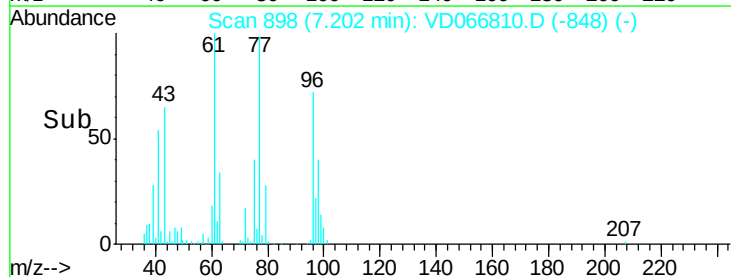
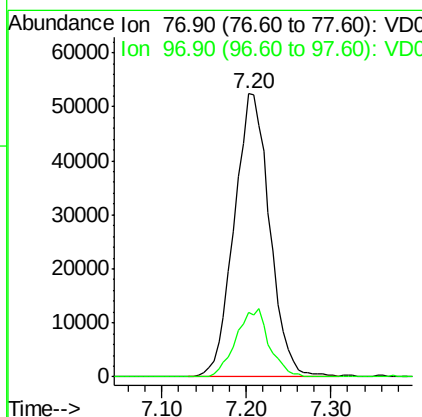
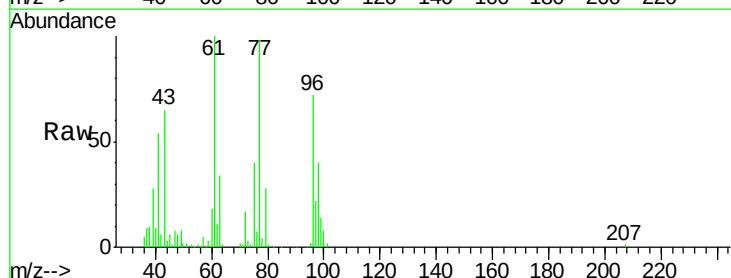
Manual Integrations
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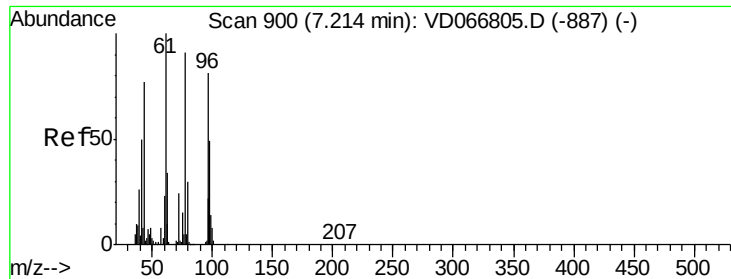
MMDadoda
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#26
2,2-Dichloropropane
Concen: 19.433 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Tgt Ion: 77 Resp: 152481
Ion Ratio Lower Upper
77 100
97 22.3 11.7 35.1





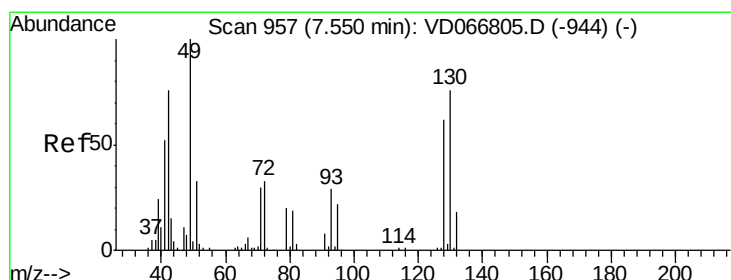
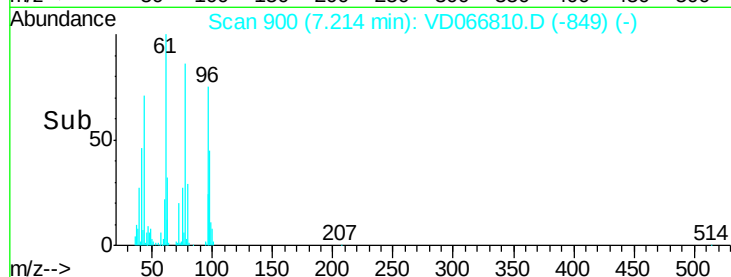
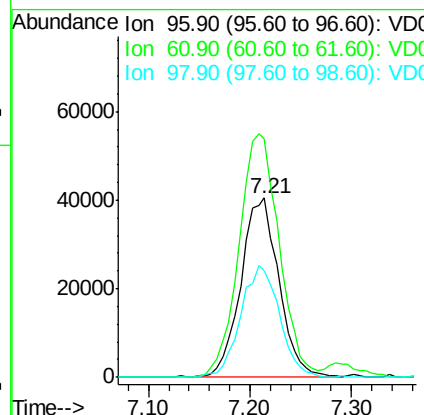
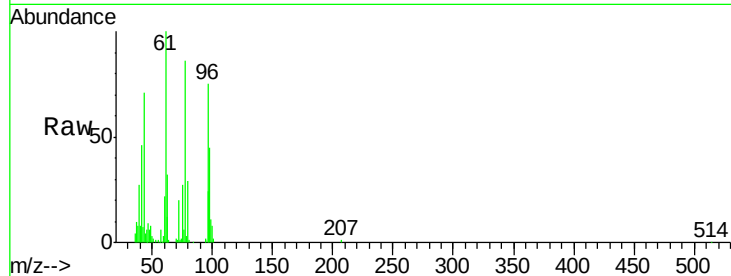
#27
 cis-1,2-Dichloroethene
 Concen: 19.779 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD066810.D
 Acq: 22 Sep 2020 14:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.8	0.0	283.8	
98	63.7	0.0	128.4	

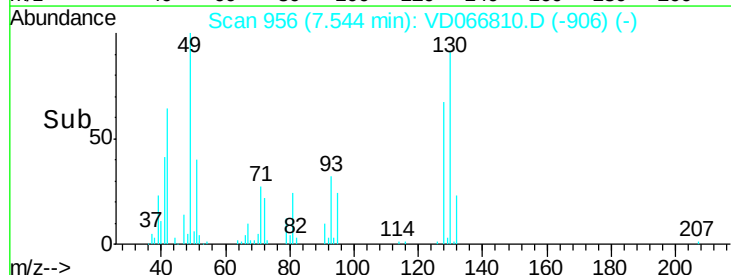
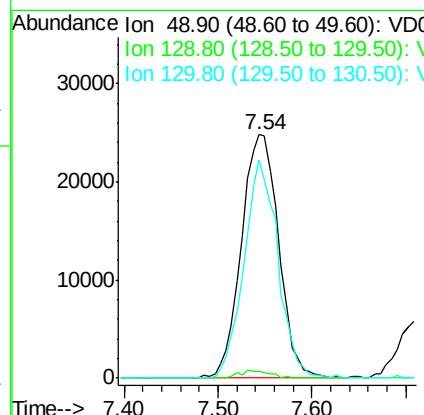
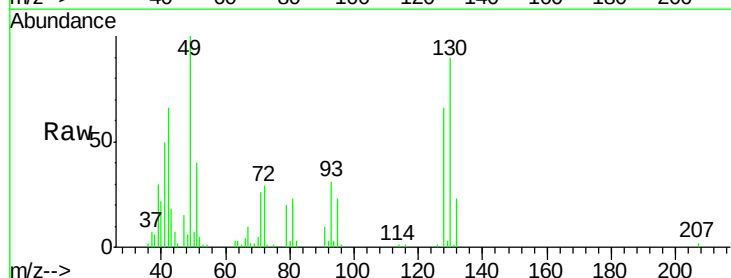
Manual Integrations
 APPROVED

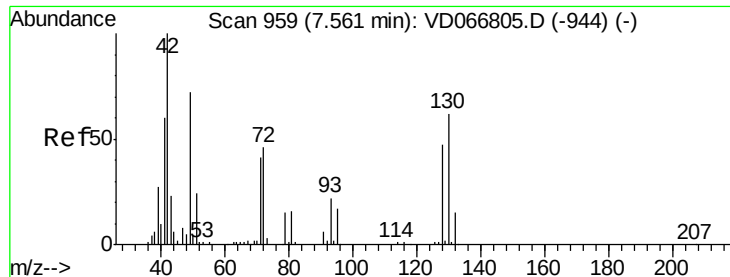
MMDadoda
 9/23/2020 1:05:07 PM



#28
 Bromochloromethane
 Concen: 19.252 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD066810.D
 Acq: 22 Sep 2020 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.6	0.0	2.0#	
130	82.0	65.9	98.9	





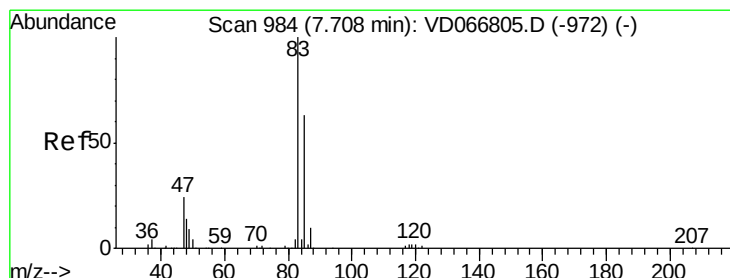
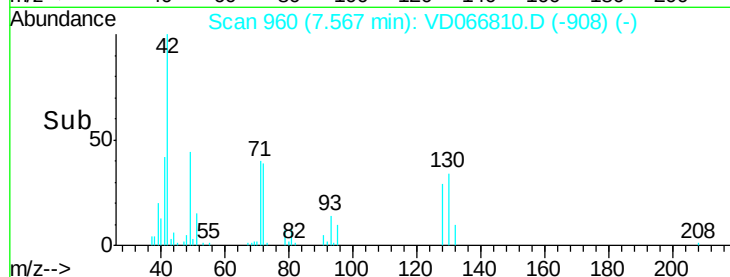
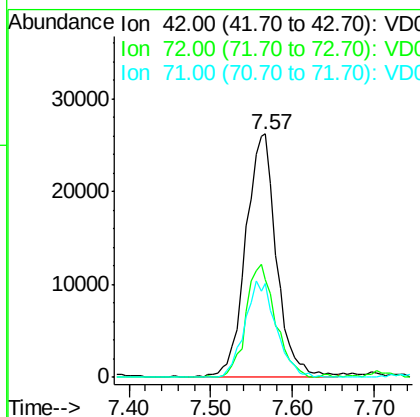
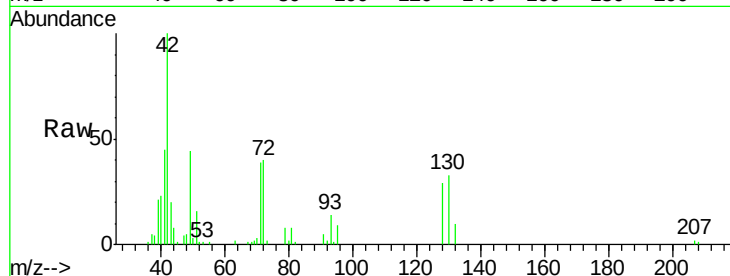
#29
Tetrahydrofuran
Concen: 99.641 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	36.2	54.4
71	40.1	32.4	48.6

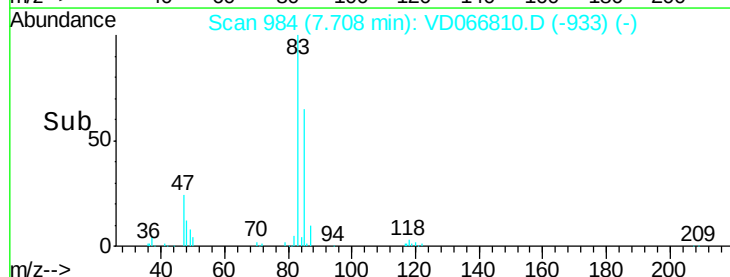
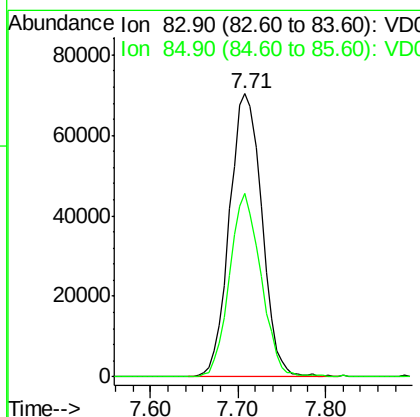
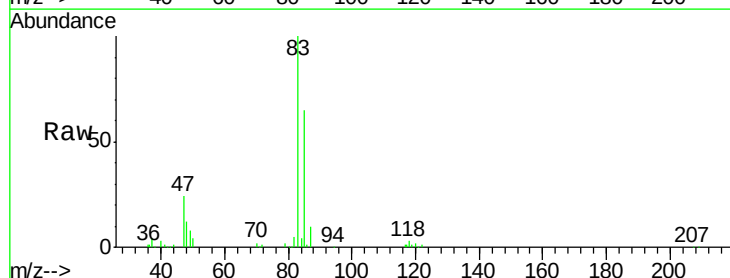
Manual Integrations
APPROVED

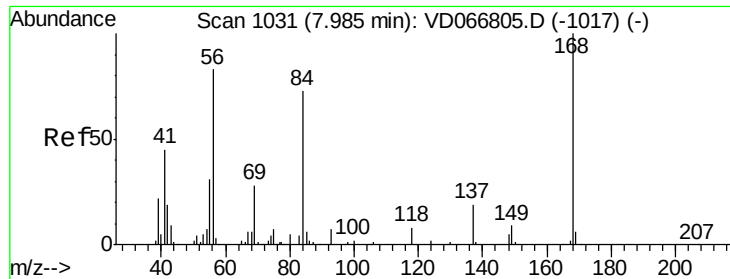
MMDadoda
9/23/2020 1:05:07 PM



#30
Chloroform
Concen: 19.208 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.6	75.8





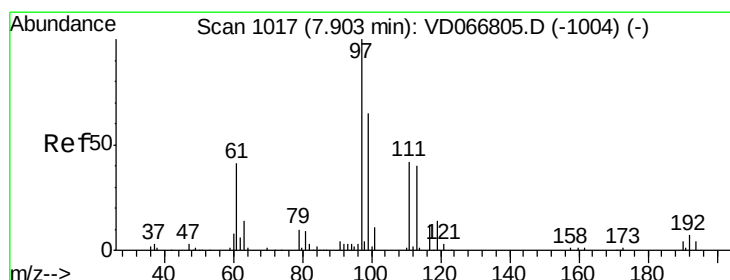
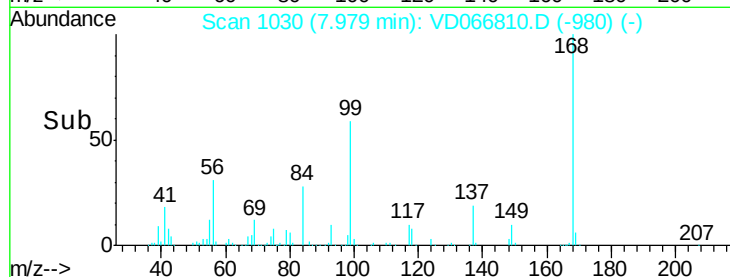
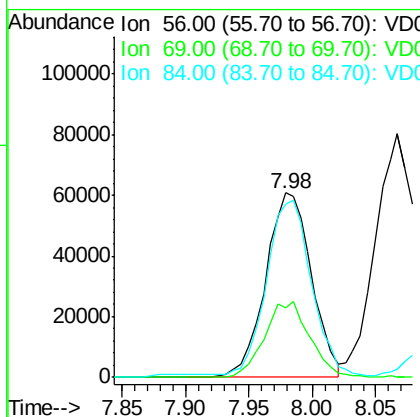
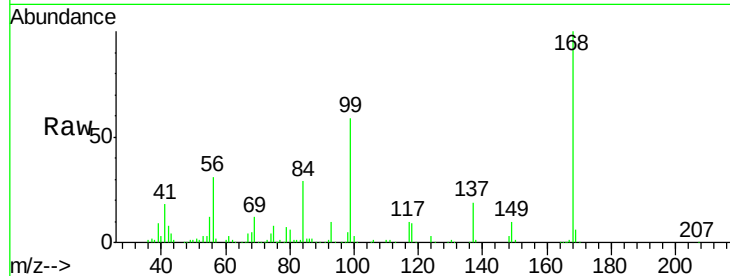
#31
Cyclohexane
Concen: 19.758 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

Tot Ion	56	Resp	152198
Ion Ratio	100	Lower	Upper
56	100		
69	38.0	27.0	40.4
84	92.4	70.2	105.4

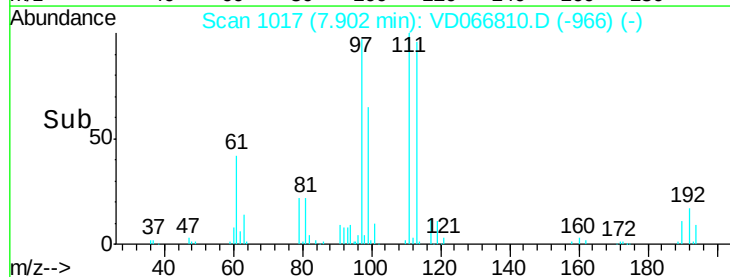
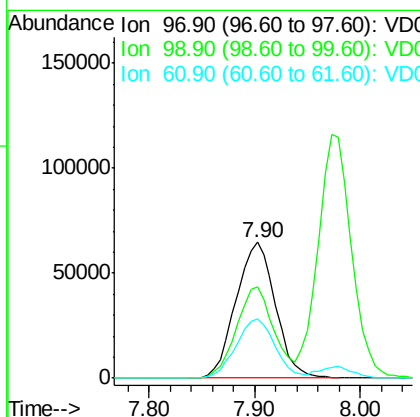
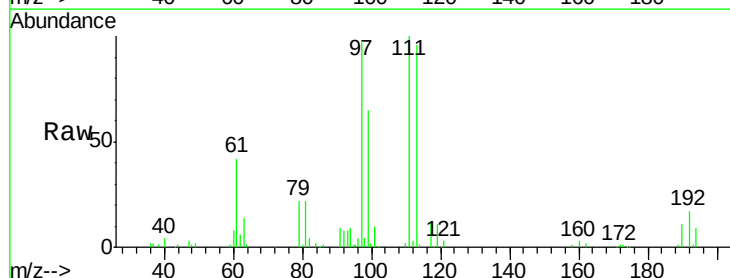
Manual Integrations
APPROVED

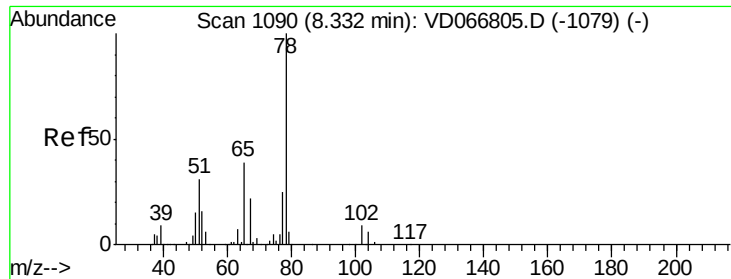
MMDadoda
9/23/2020 1:05:07 PM



#32
1,1,1-Trichloroethane
Concen: 20.010 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Tgt Ion	97	Resp	167045
Ion Ratio	100	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	43.3	34.2	51.4





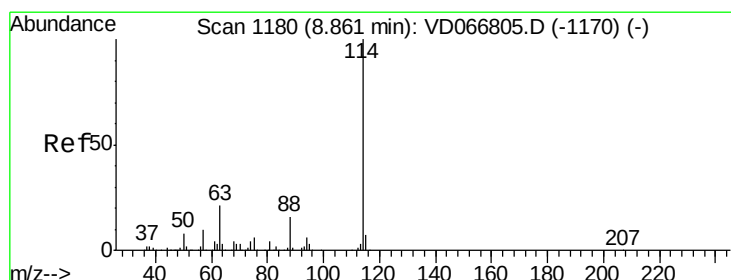
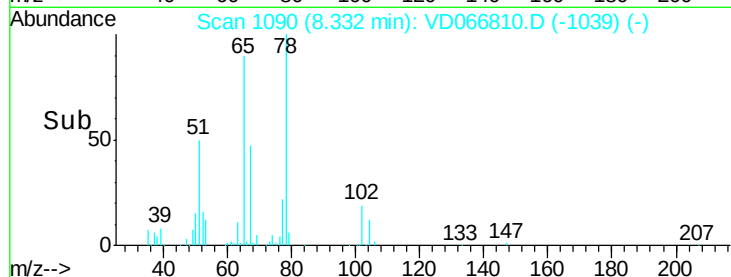
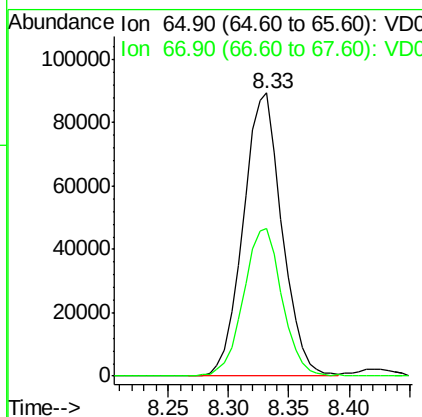
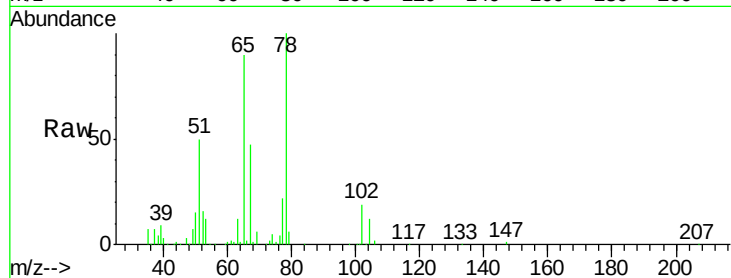
#33
 1,2-Dichloroethane-d4
 Concen: 47.155 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066810.D
 Acq: 22 Sep 2020 14:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	199771		
67	52.3	0.0	107.2	

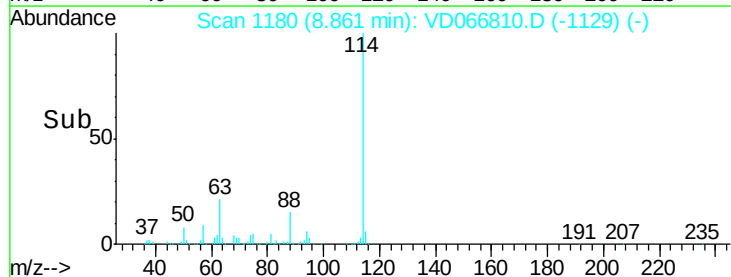
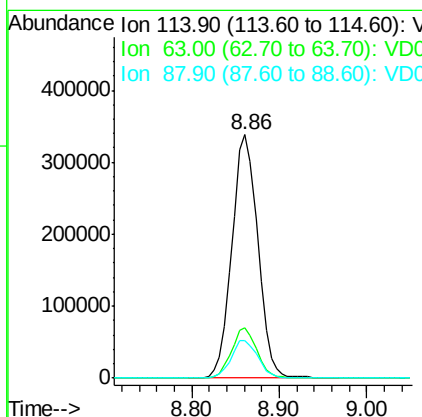
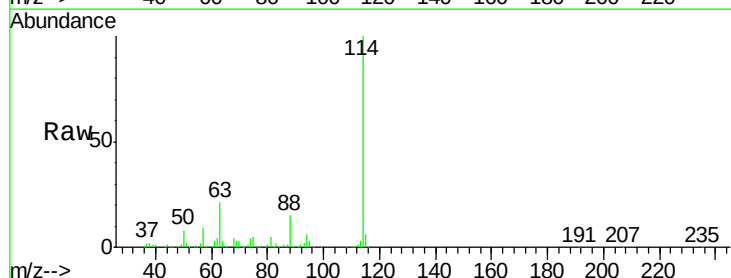
Manual Integrations
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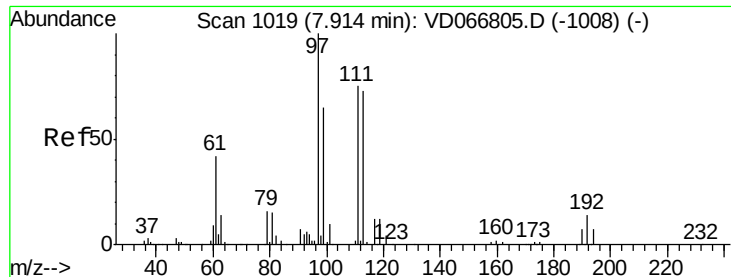
MMDadoda
 9/23/2020 1:05:07 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066810.D
 Acq: 22 Sep 2020 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	681548		
63	20.6	0.0	42.6	
88	15.2	0.0	32.6	





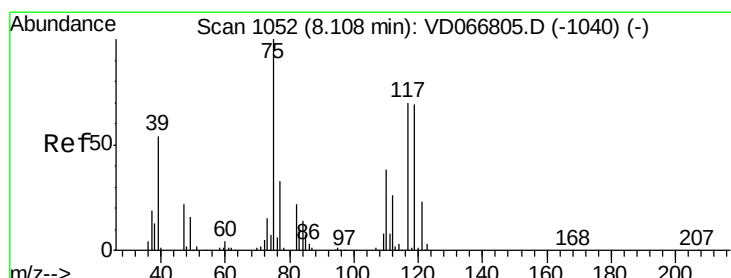
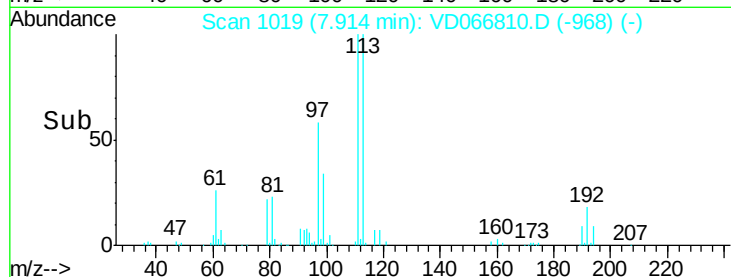
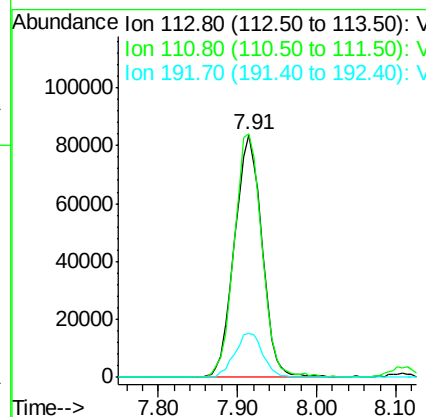
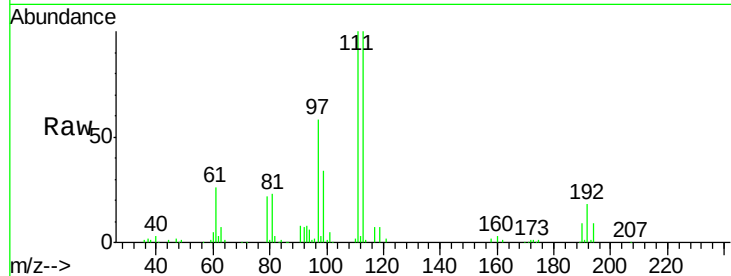
#35
 Dibromofluoromethane
 Concen: 46.488 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066810.D
 Acq: 22 Sep 2020 14:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	201571		
111	100.9	81.8	122.8	
192	18.6	14.4	21.6	

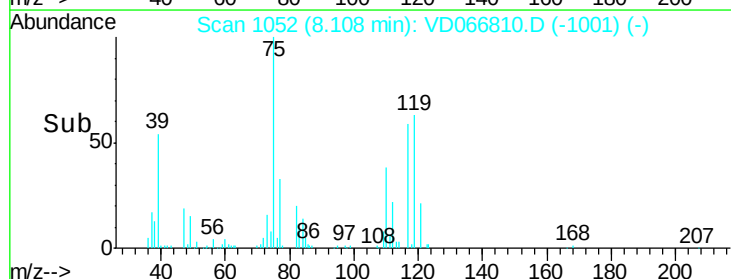
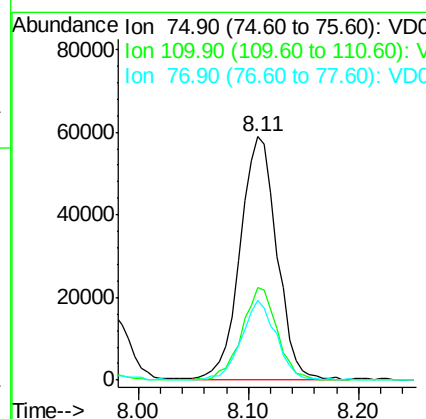
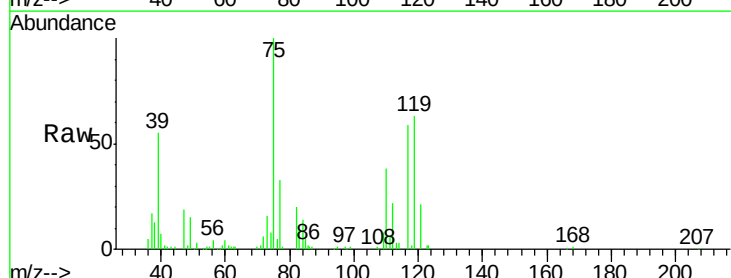
Manual Integrations
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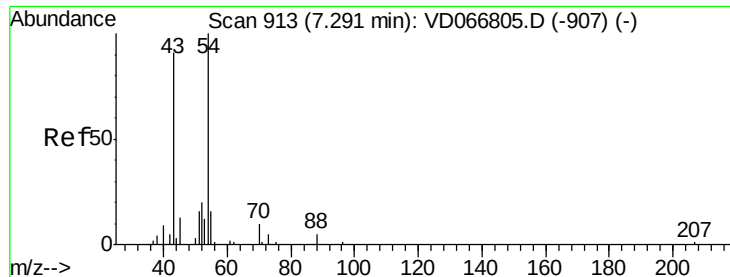
MMDadoda
 9/23/2020 1:05:07 PM



#36
 1,1-Dichloropropene
 Concen: 20.477 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066810.D
 Acq: 22 Sep 2020 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	138456		
110	36.3	17.9	53.8	
77	31.0	25.0	37.6	





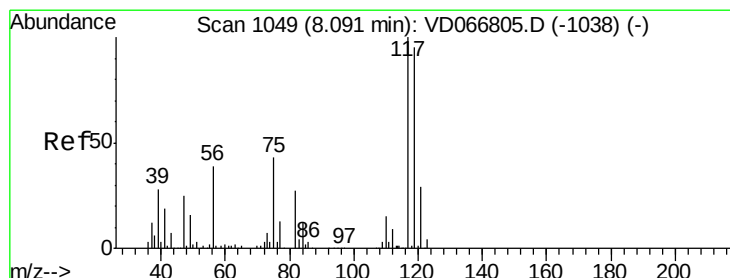
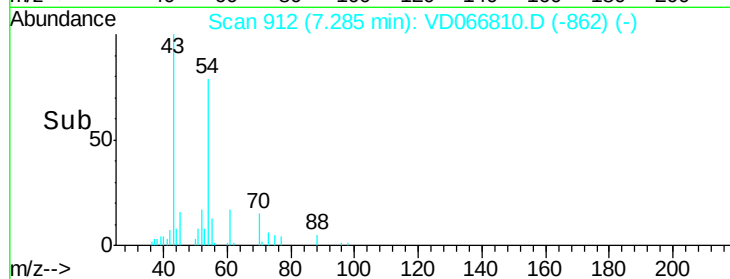
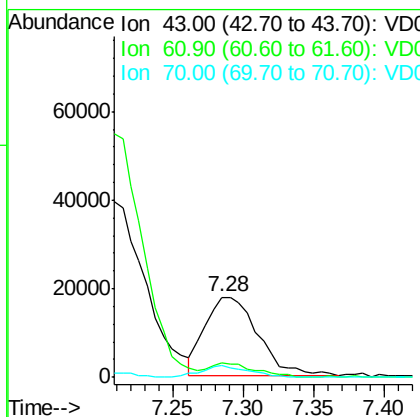
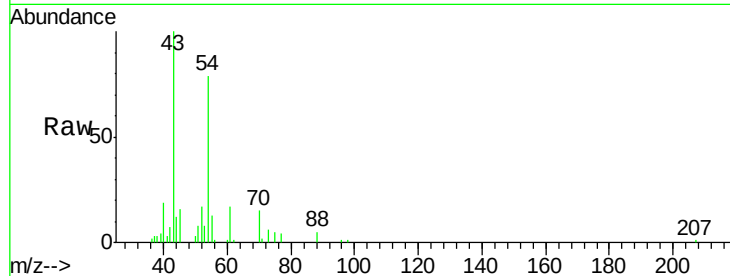
#37
Ethyl Acetate
Concen: 18.910 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.2	9.8	14.8#
70	13.5	8.5	12.7#

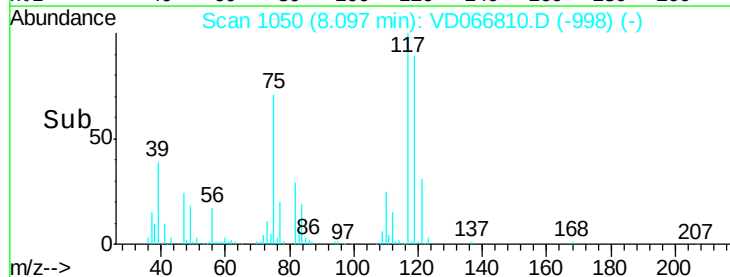
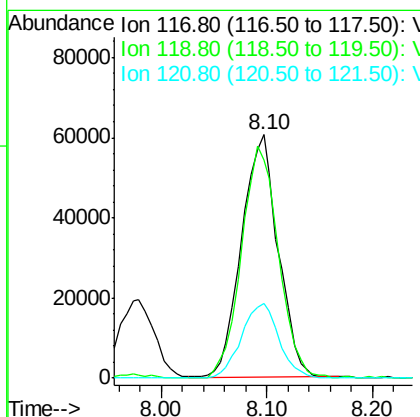
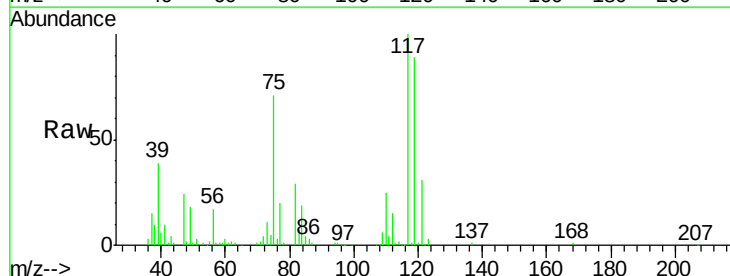
Manual Integrations
APPROVED

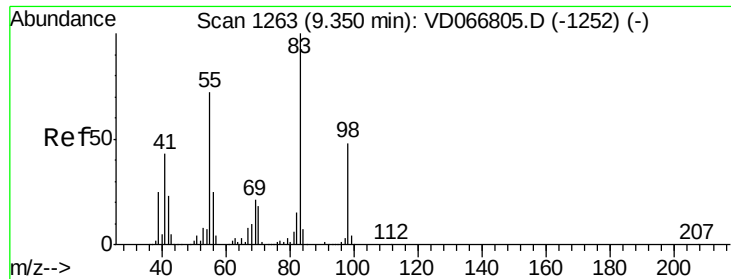
MMDadoda
9/23/2020 1:05:07 PM



#38
Carbon Tetrachloride
Concen: 19.770 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.8	75.8	113.8
121	30.7	23.4	35.0





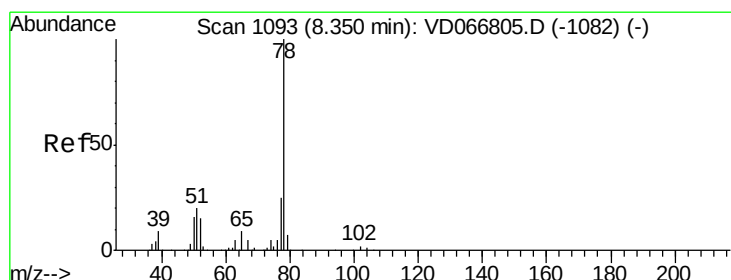
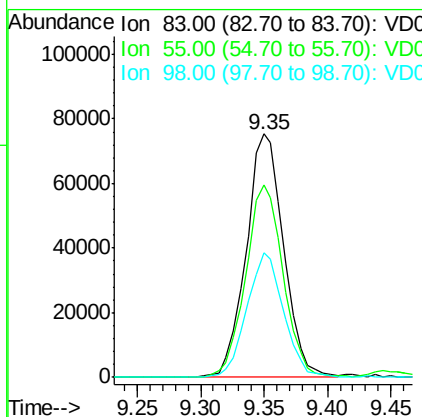
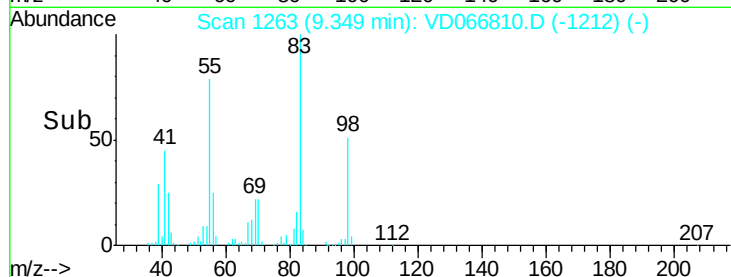
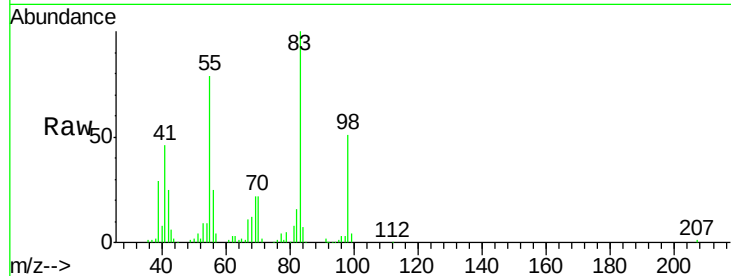
#39
Methylvlcyclohexane
Concen: 19.929 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	154712		
55	78.8		57.7	86.5
98	51.3		38.4	57.6

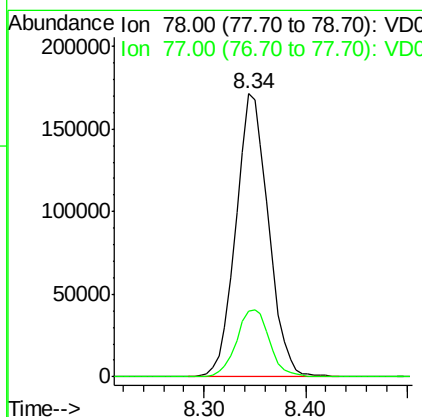
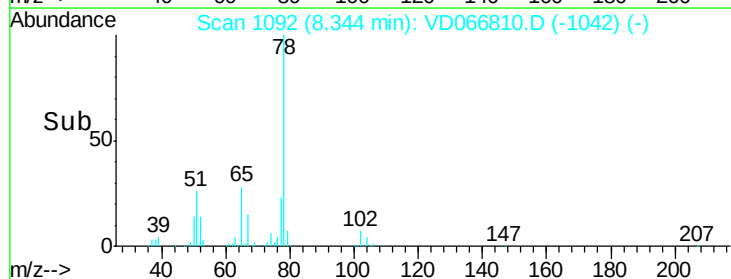
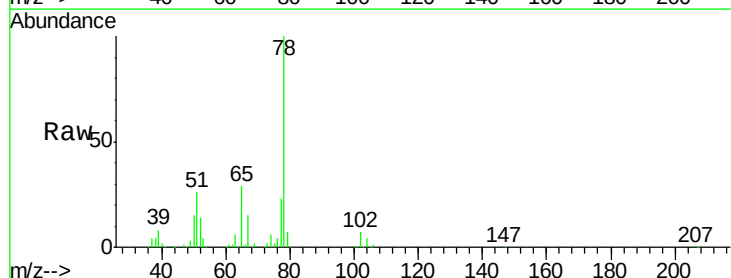
Manual Integrations
APPROVED

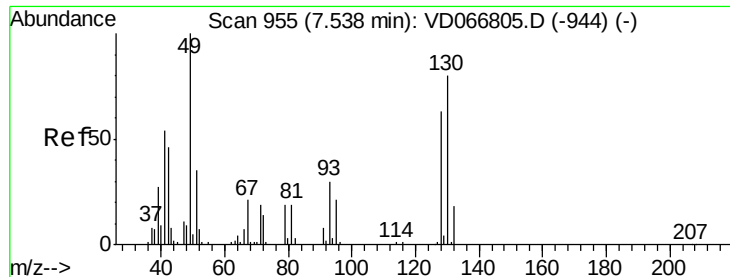
MMDadoda
9/23/2020 1:05:07 PM



#40
Benzene
Concen: 20.203 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	380715		
77	23.2		19.9	29.9





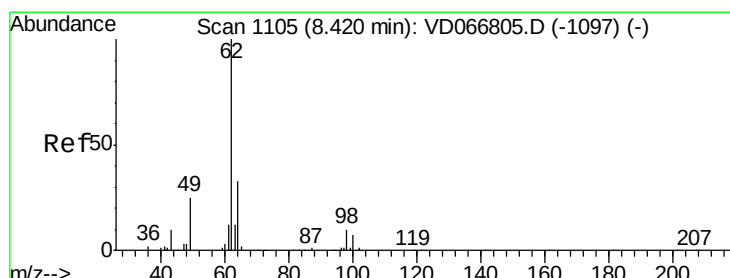
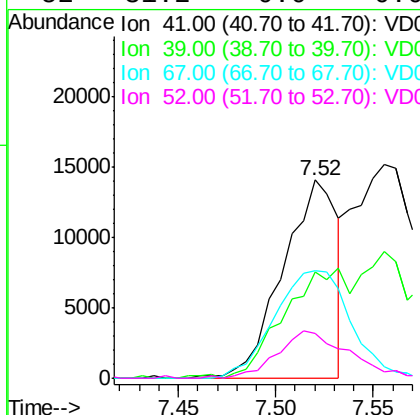
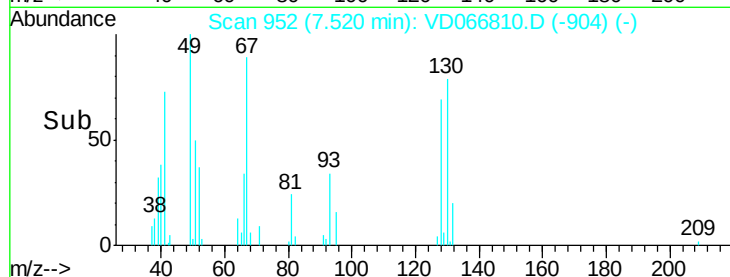
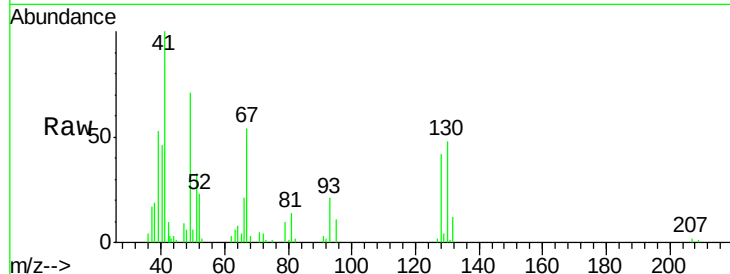
#41
Methacrylonitrile
Concen: 18.149 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.02 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.5	0.0	0.0#
67	75.4	0.0	0.0#
52	31.2	0.0	0.0#

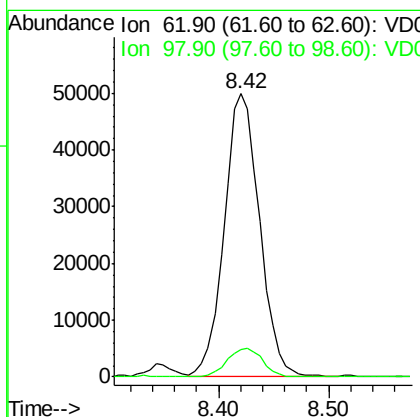
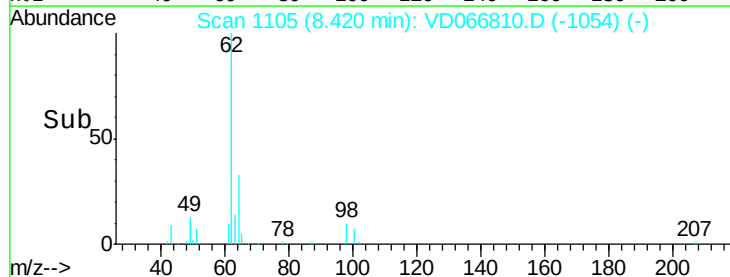
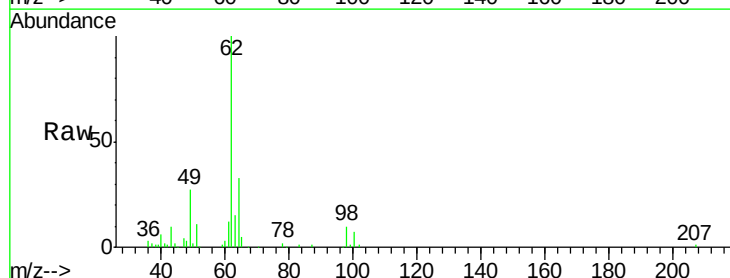
Manual Integrations
APPROVED

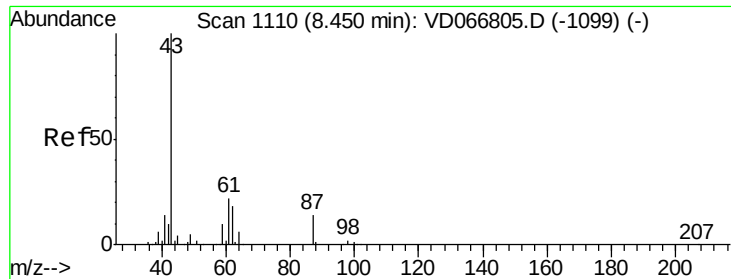
MMDadoda
9/23/2020 1:05:07 PM



#42
1,2-Dichloroethane
Concen: 19.942 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.8





#43

Isopropyl Acetate

Concen: 19.470 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

Instrument :

MSVOA_D

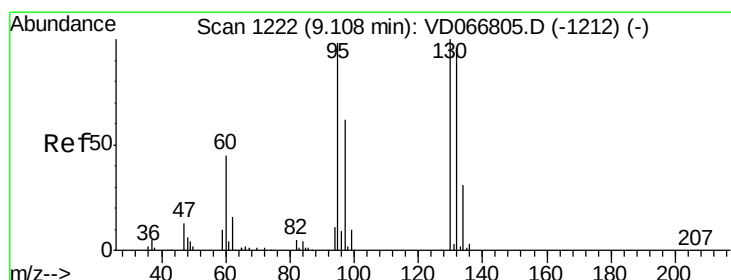
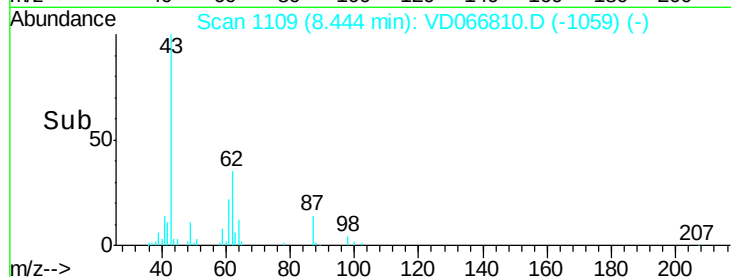
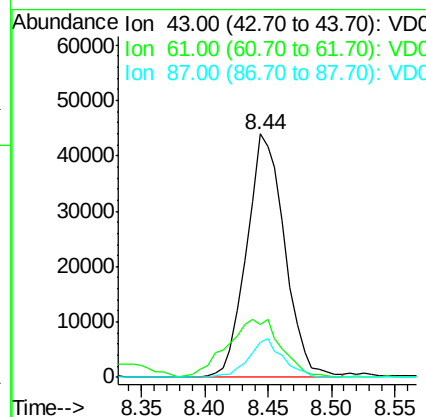
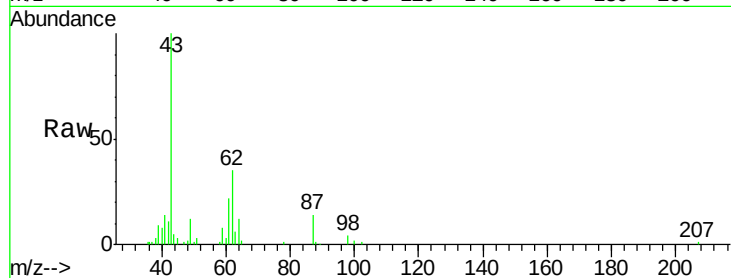
ClientSampleId :

VD0922SBS01

Tot Ion:	43	Resp:	91755
Ion	Ratio	Lower	Upper
43	100		
61	33.9	26.2	39.4
87	14.3	11.5	17.3

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#44

Trichloroethene

Concen: 19.523 ug/l

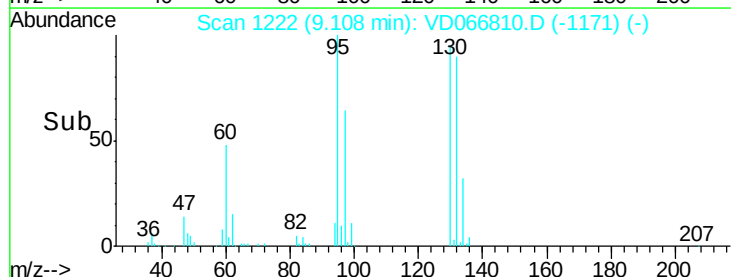
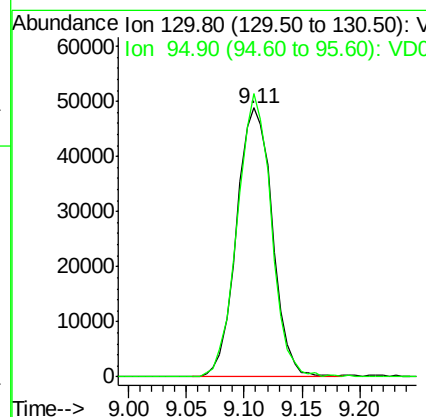
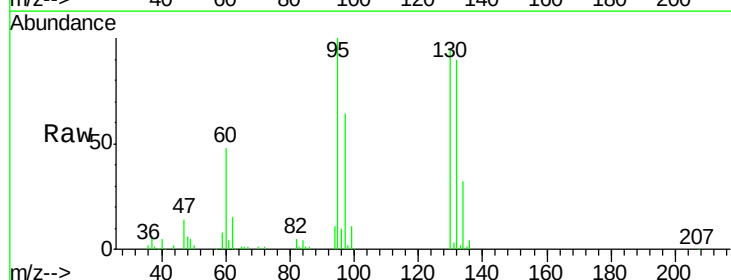
RT: 9.11 min Scan# 1222

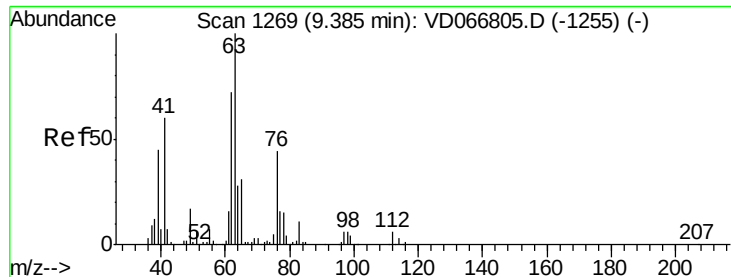
Delta R.T. -0.00 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

Tgt Ion:	130	Resp:	104860
Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	197.0





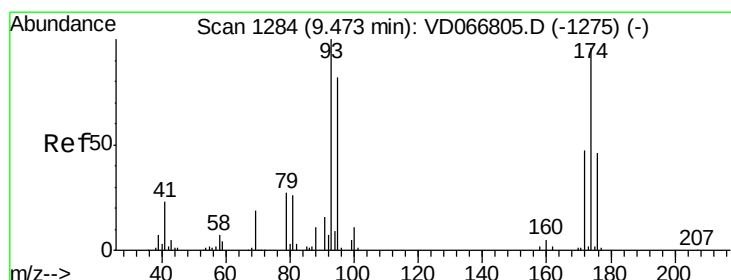
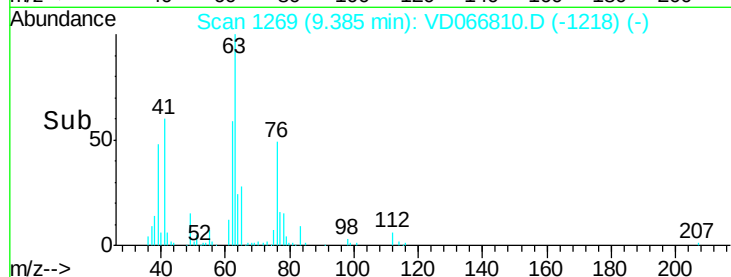
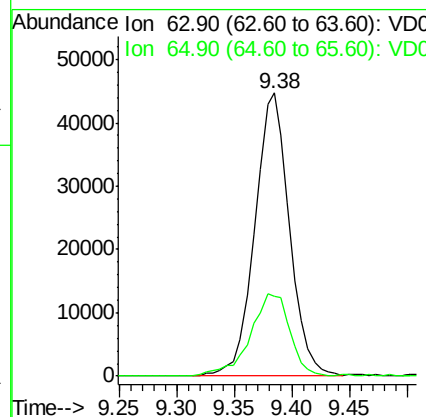
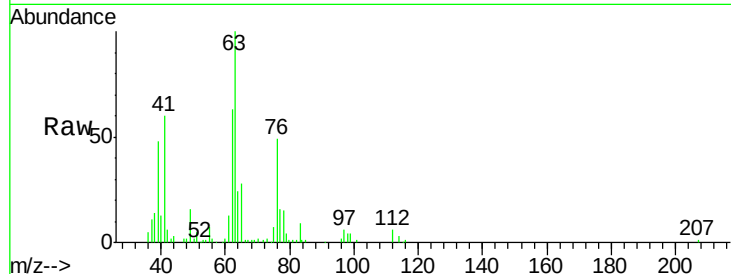
#45
 1,2-Dichloropropane
 Concen: 19.697 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066810.D
 Acq: 22 Sep 2020 14:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBS01

Tot Ion: 63 Resp: 93390
 Ion Ratio Lower Upper
 63 100
 65 28.3 24.7 37.1

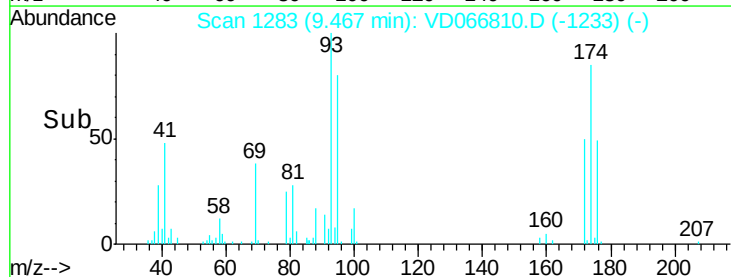
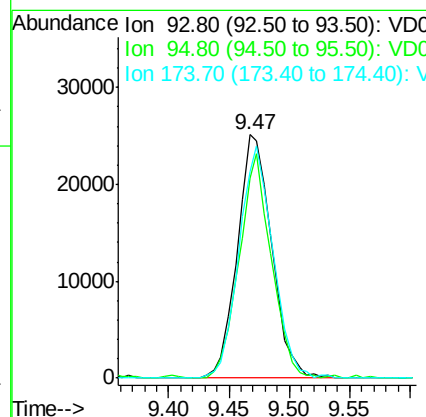
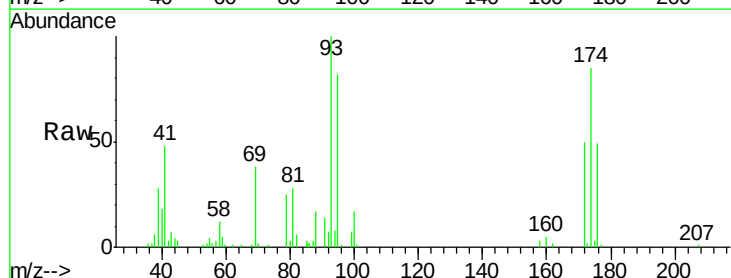
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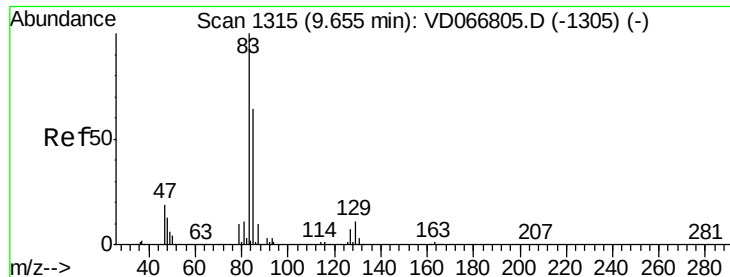
MMDadoda
 9/23/2020 1:05:07 PM



#46
 Dibromomethane
 Concen: 19.399 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066810.D
 Acq: 22 Sep 2020 14:56

Tgt Ion: 93 Resp: 49972
 Ion Ratio Lower Upper
 93 100
 95 85.9 65.3 97.9
 174 94.1 75.4 113.2





#47

Bromodichloromethane

Concen: 19.595 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

Instrument :

MSVOA_D

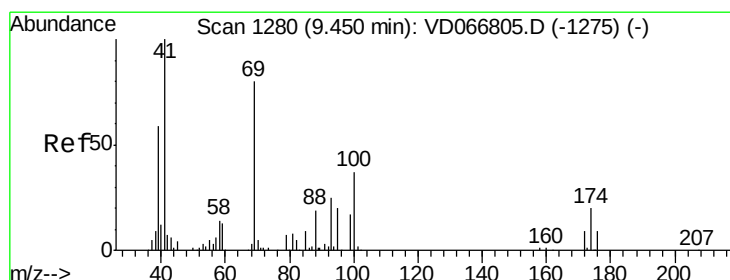
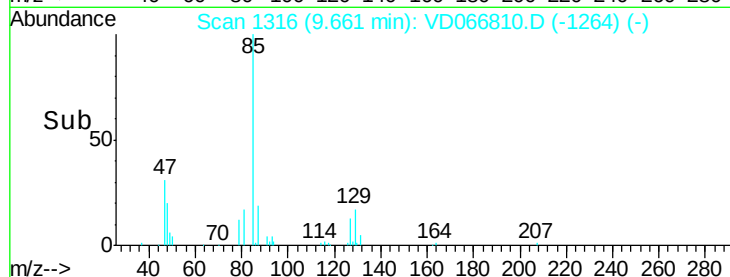
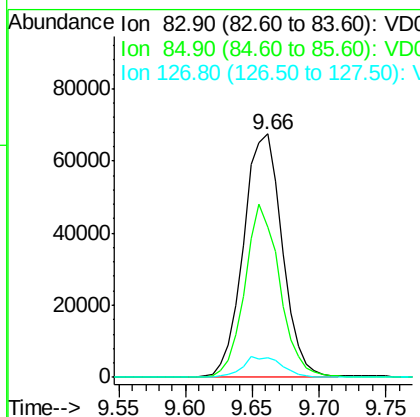
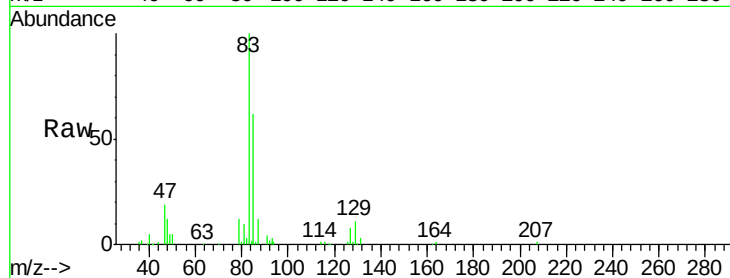
ClientSampleId :

VD0922SBS01

Tot Ion:	83	Resp:	135600
Ion	Ratio	Lower	Upper
83	100		
85	61.7	50.9	76.3
127	8.0	5.9	8.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.840 ug/l

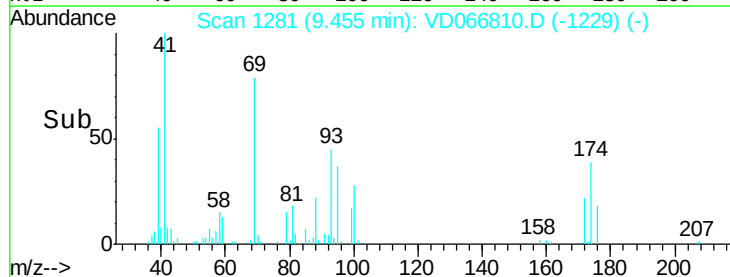
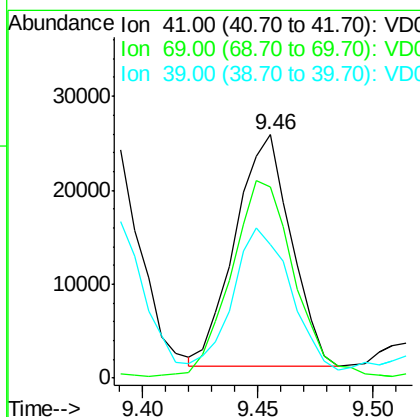
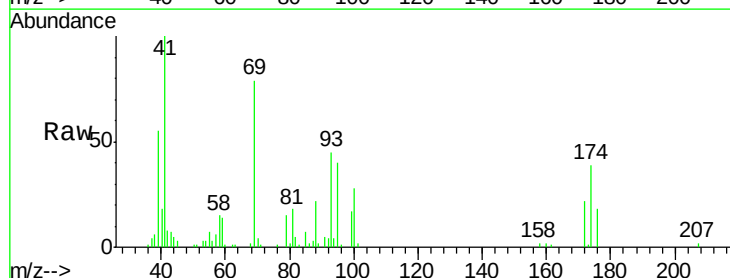
RT: 9.46 min Scan# 1281

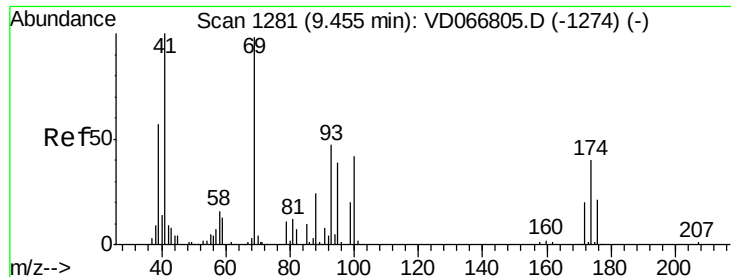
Delta R.T. 0.01 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

Tgt Ion:	41	Resp:	41452
Ion	Ratio	Lower	Upper
41	100		
69	98.1	74.5	111.7
39	62.9	47.0	70.6





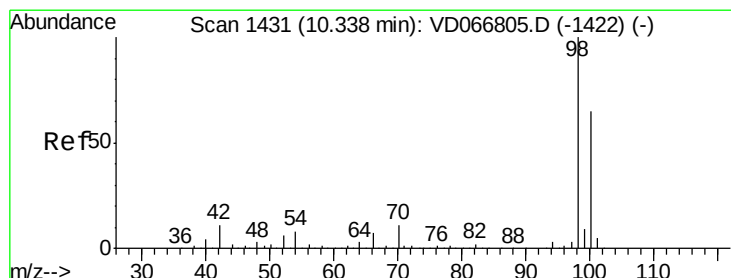
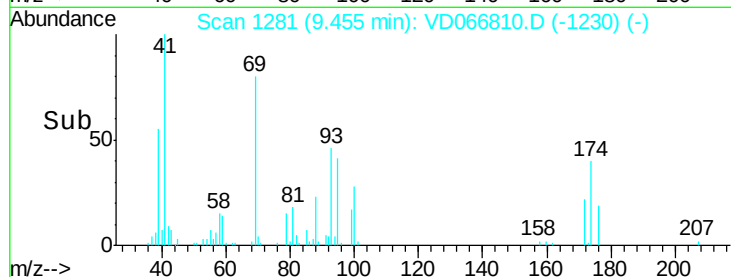
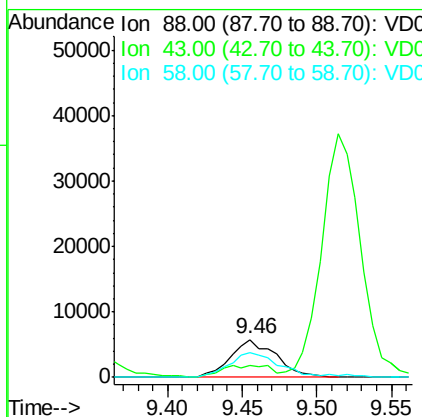
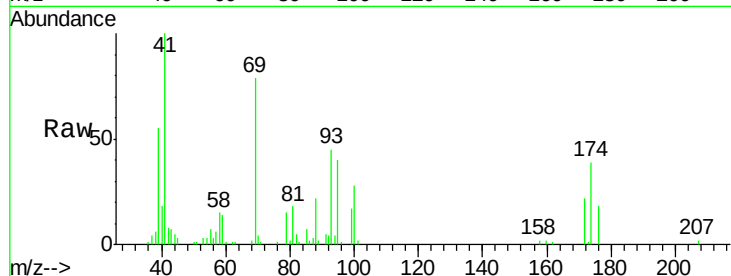
#49
1,4-Dioxane
Concen: 344.574 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	17.2	27.7	41.5#
58	71.9	55.5	83.3

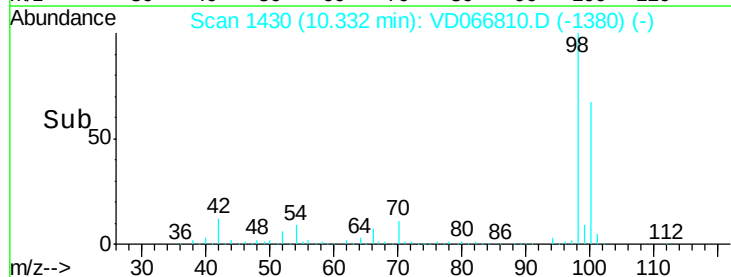
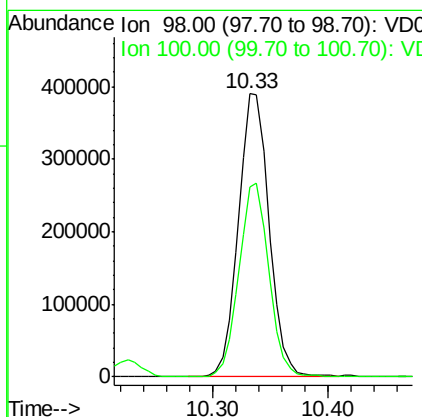
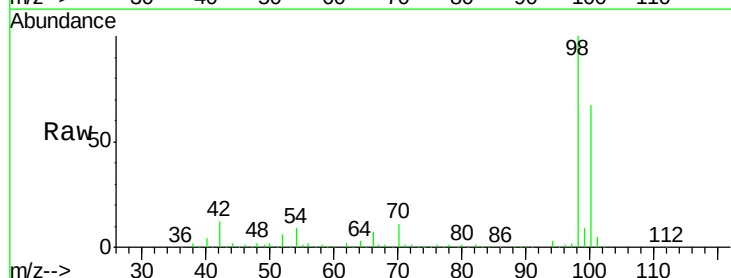
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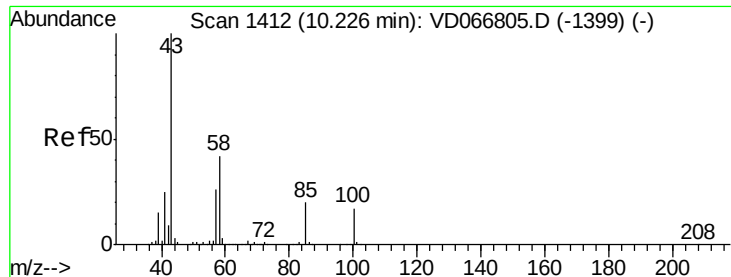
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#50
Toluene-d8
Concen: 48.860 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.2	78.2





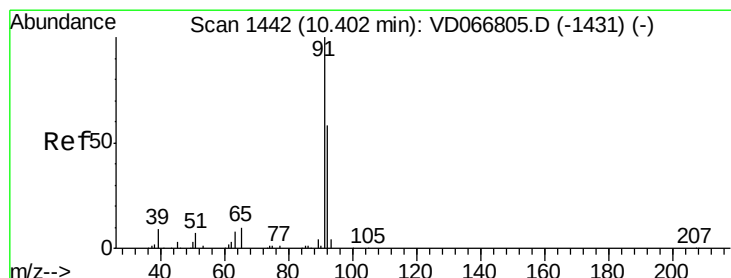
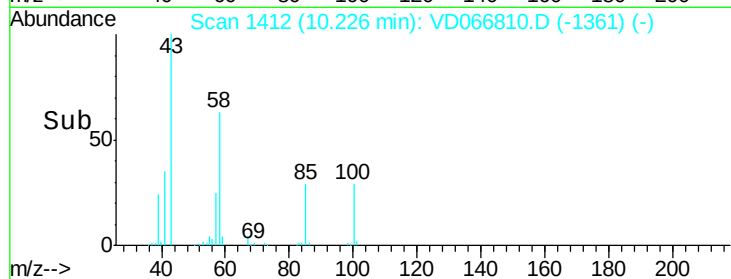
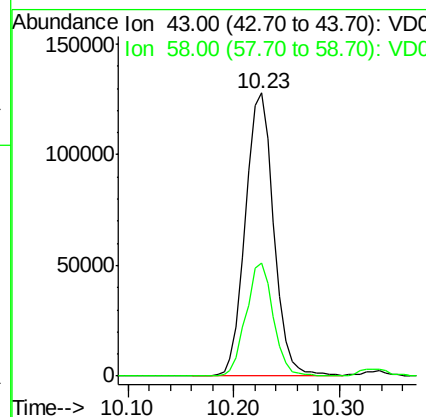
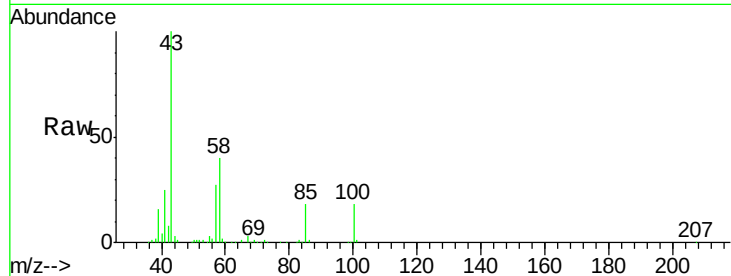
#51
 4-Methyl-2-Pentanone
 Concen: 100.140 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. -0.00 min
 Lab File: VD066810.D
 Acq: 22 Sep 2020 14:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.3	32.2	48.4

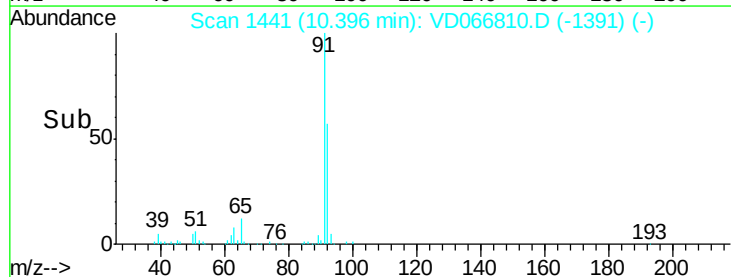
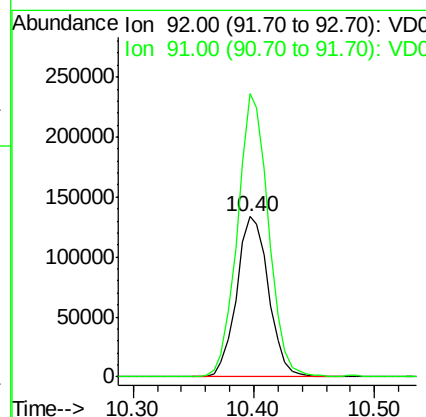
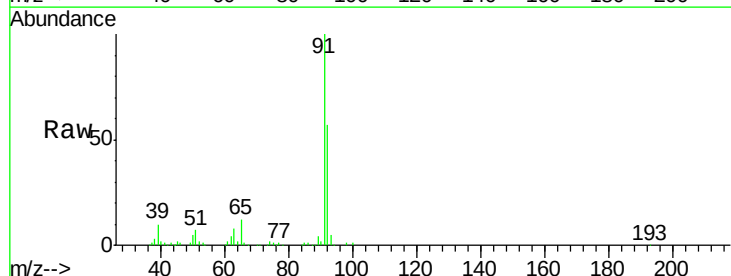
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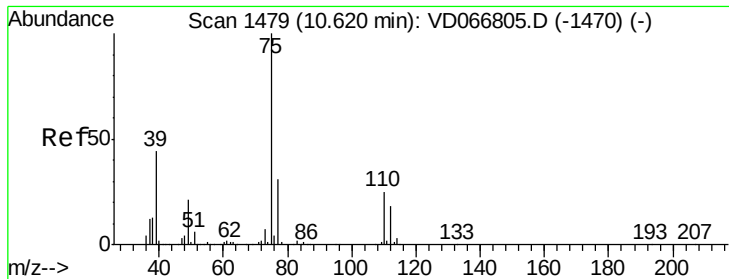
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#52
 Toluene
 Concen: 20.355 ug/l
 RT: 10.40 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VD066810.D
 Acq: 22 Sep 2020 14:56

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.2	134.6	202.0





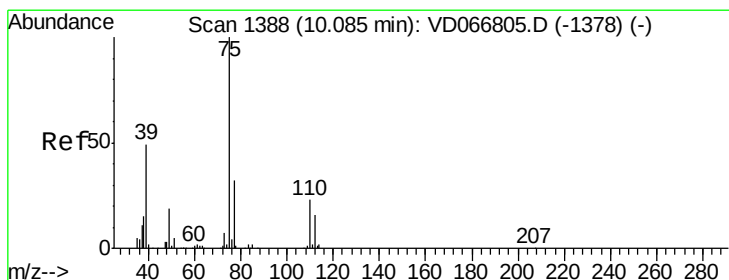
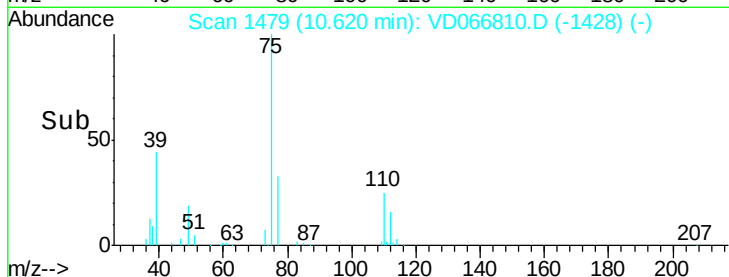
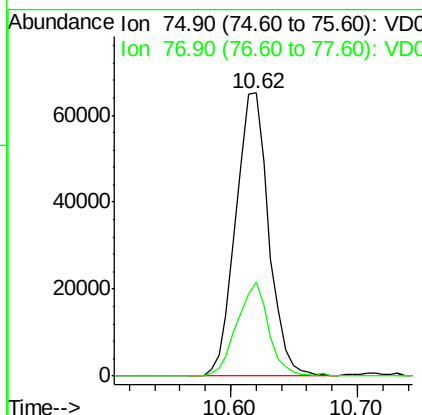
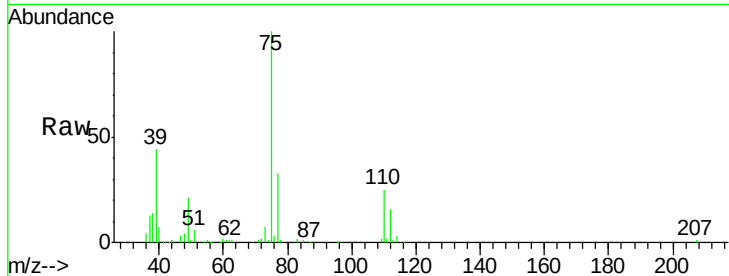
#53
 t-1,3-Dichloropropene
 Concen: 20.007 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD066810.D
 Acq: 22 Sep 2020 14:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.3	24.5	36.7

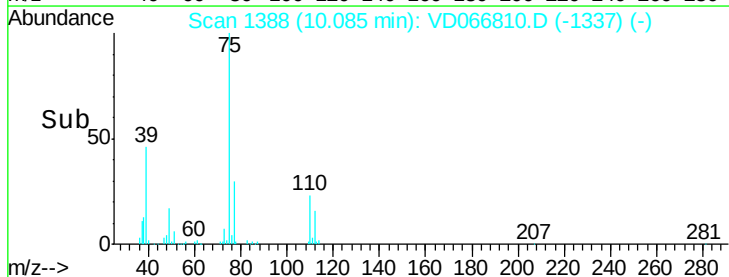
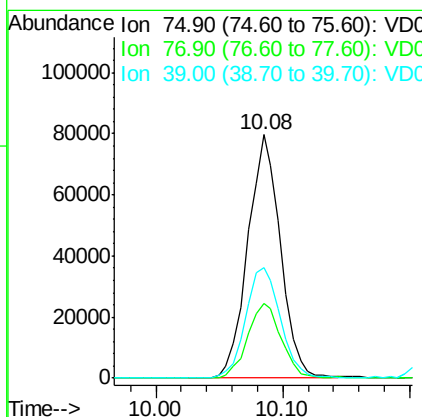
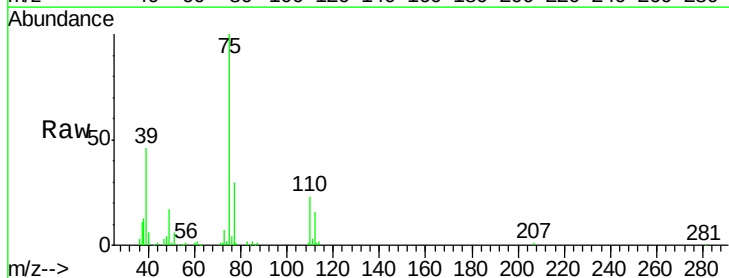
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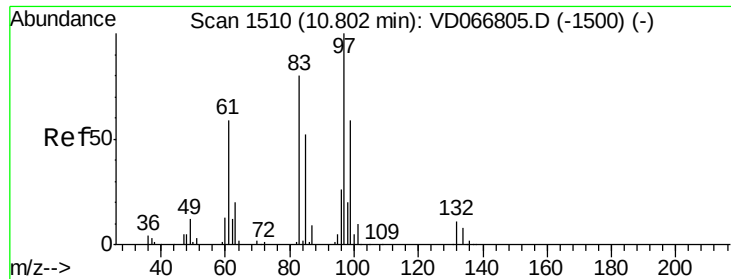
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#54
 cis-1,3-Dichloropropene
 Concen: 19.907 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VD066810.D
 Acq: 22 Sep 2020 14:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.6	38.4
39	45.4	39.2	58.8





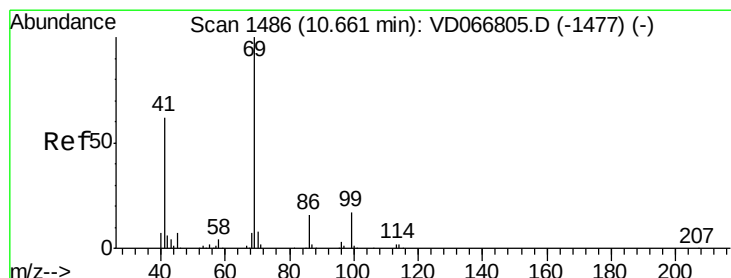
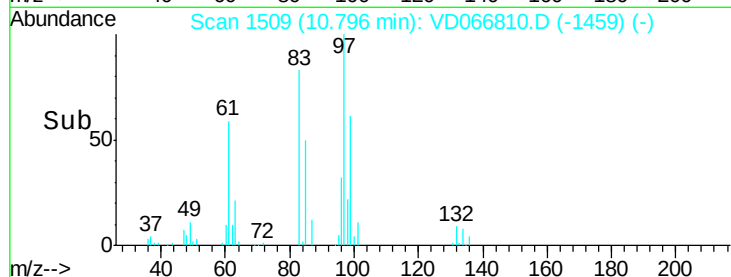
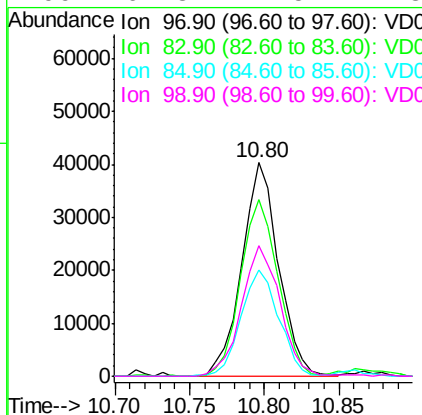
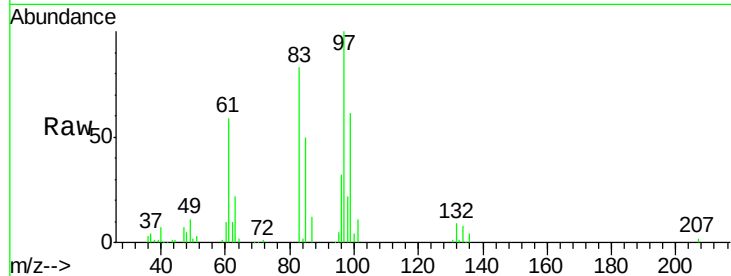
#55
 1,1,2-Trichloroethane
 Concen: 19.393 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066810.D
 Acq: 22 Sep 2020 14:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		68677		
83	82.6	64.2	96.2		
85	49.7	41.9	62.9		
99	61.3	47.5	71.3		

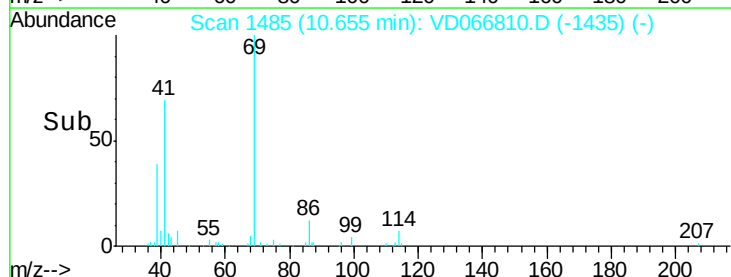
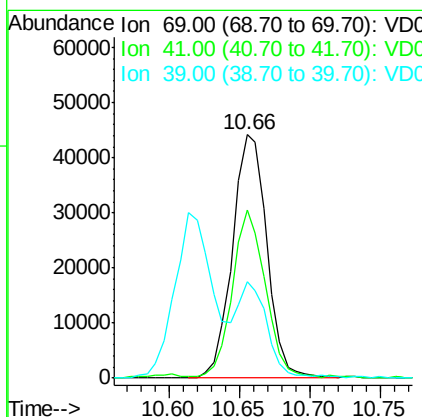
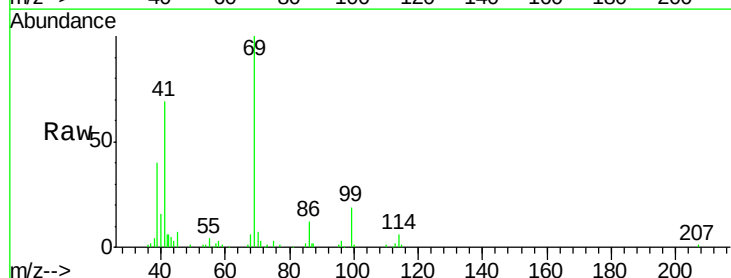
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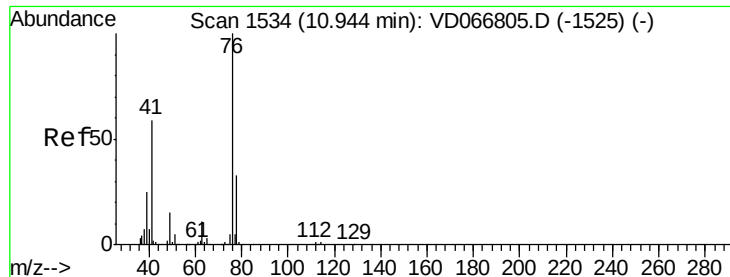
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#56
 Ethyl methacrylate
 Concen: 19.867 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066810.D
 Acq: 22 Sep 2020 14:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		75369		
41	67.8	52.2	78.2		
39	33.6	26.6	40.0		





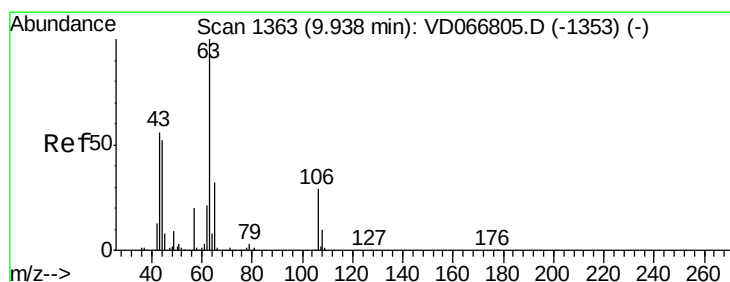
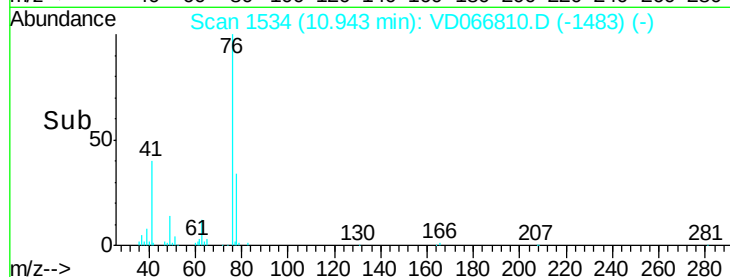
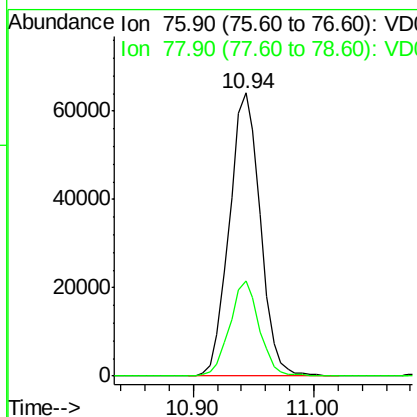
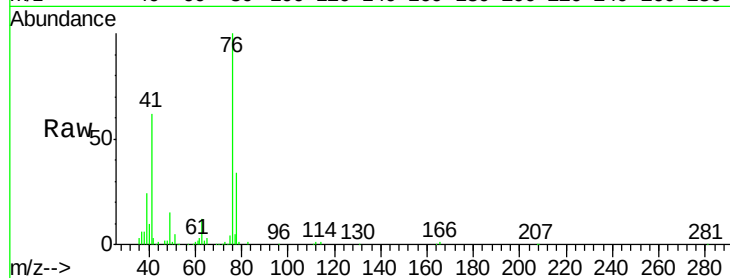
#57
 1,3-Dichloropropane
 Concen: 19.631 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066810.D
 Acq: 22 Sep 2020 14:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.3	39.5

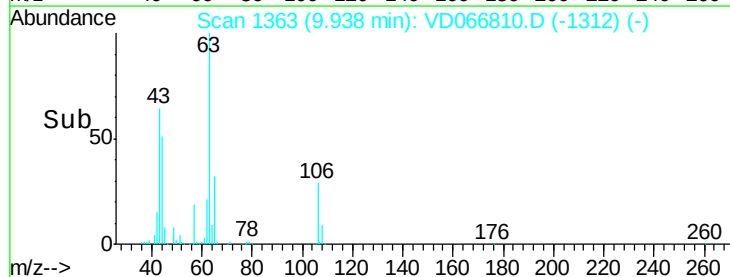
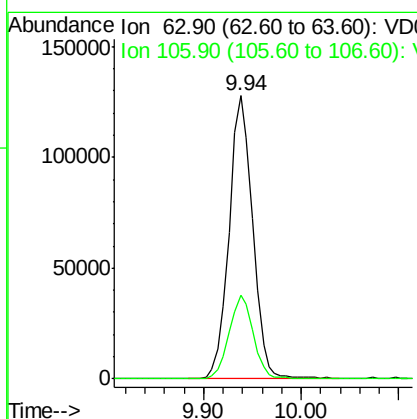
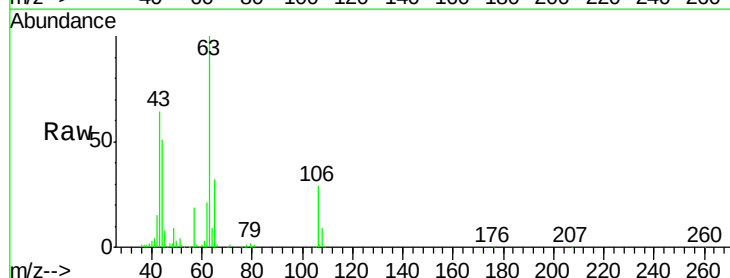
Manual Integrations
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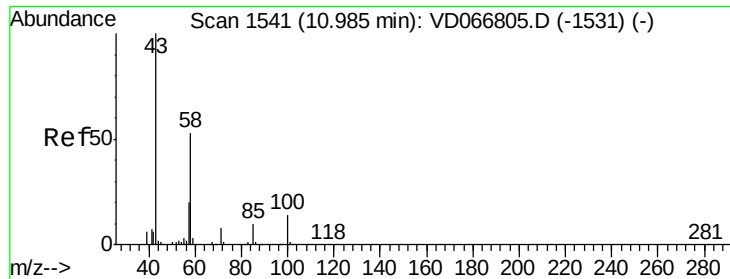
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#58
 2-Chloroethyl Vinyl ether
 Concen: 119.674 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066810.D
 Acq: 22 Sep 2020 14:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.3	23.8	35.6





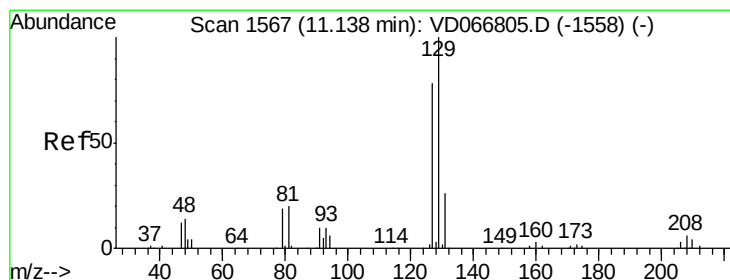
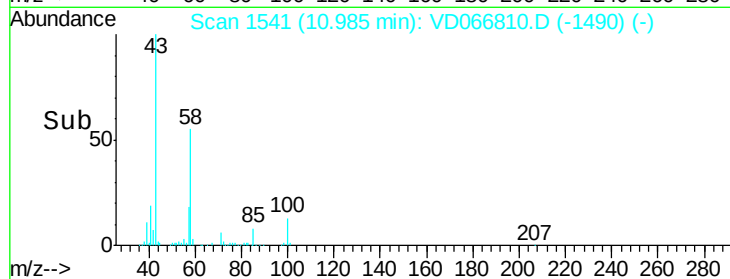
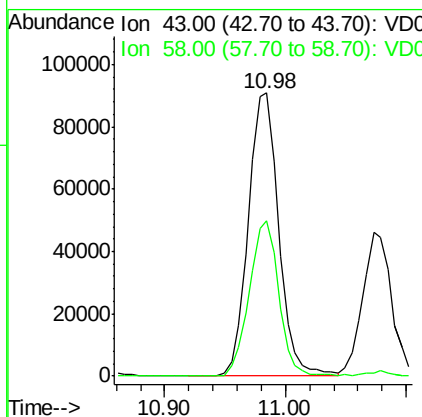
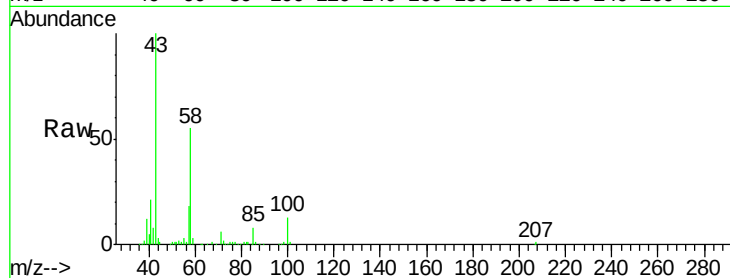
#59
2-Hexanone
Concen: 99.733 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

Tot Ion: 43 Resp: 160602
Ion Ratio Lower Upper
43 100
58 52.9 27.0 80.8

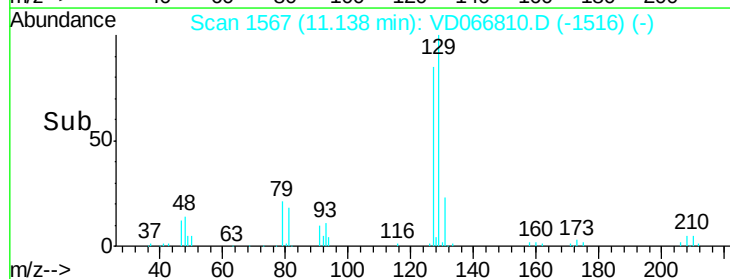
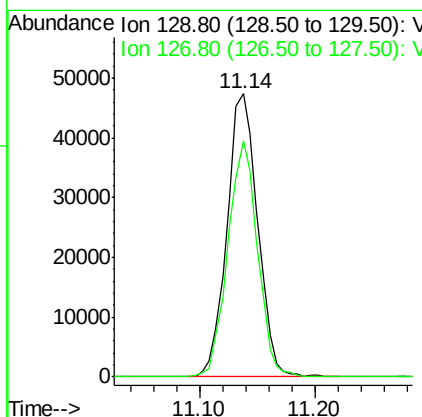
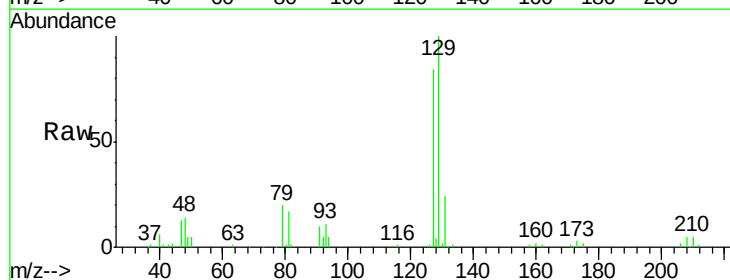
Manual Integrations
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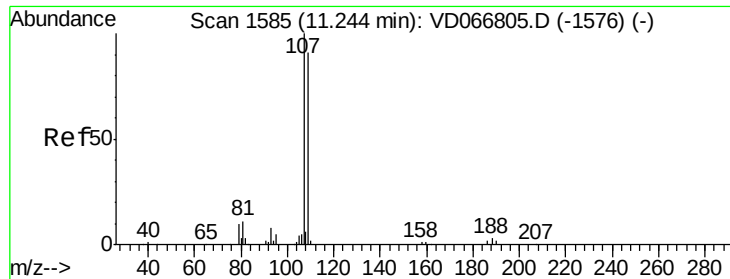
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9/23/2020 1:05:07 PM



#60
Dibromochloromethane
Concen: 18.855 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Tgt Ion: 129 Resp: 87146
Ion Ratio Lower Upper
129 100
127 80.5 38.6 116.0





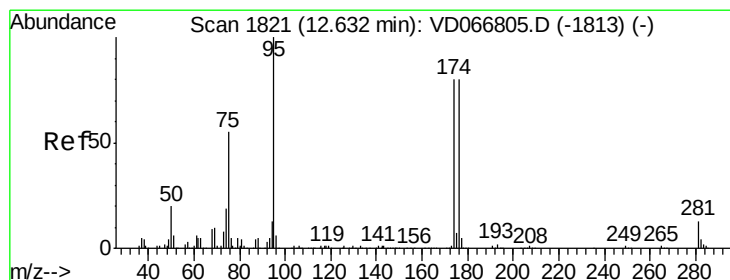
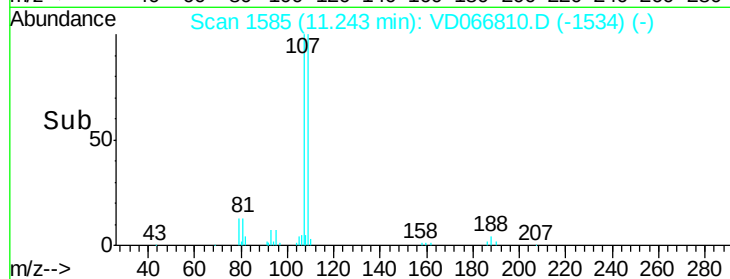
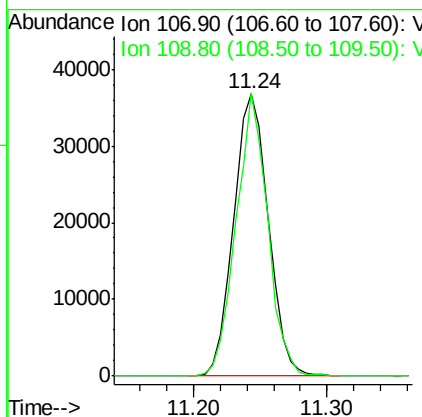
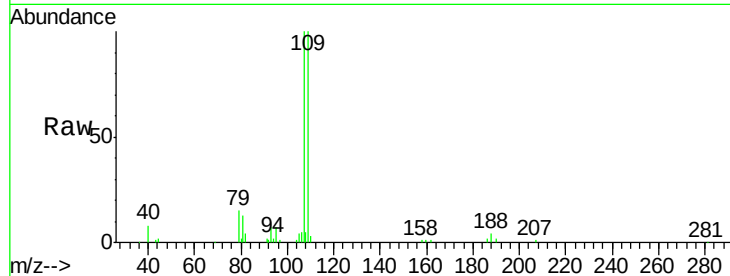
#61
 1,2-Dibromoethane
 Concen: 20.199 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066810.D
 Acq: 22 Sep 2020 14:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.8	75.0	112.4

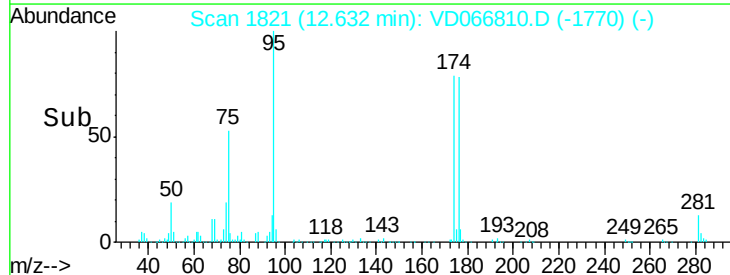
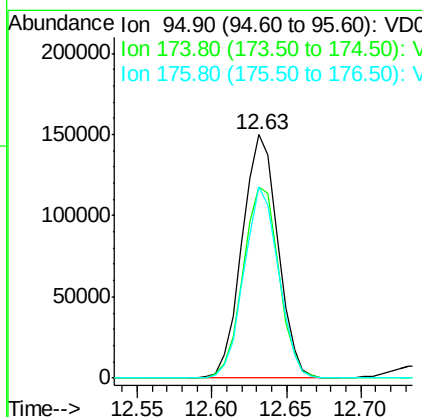
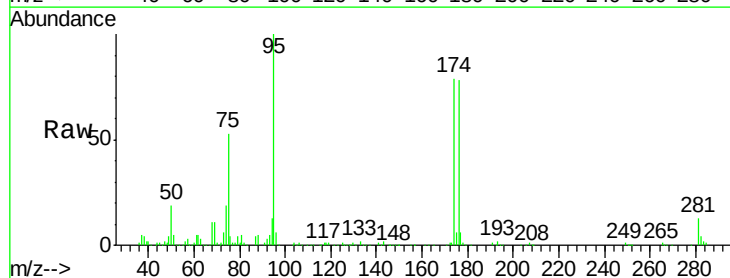
Manual Integrations
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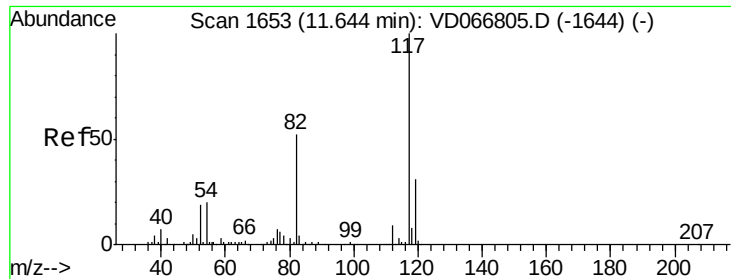
MMDadoda
 9/23/2020 1:05:07 PM



#62
 4-Bromofluorobenzene
 Concen: 49.209 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066810.D
 Acq: 22 Sep 2020 14:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.5	0.0	159.8
176	75.7	0.0	154.4





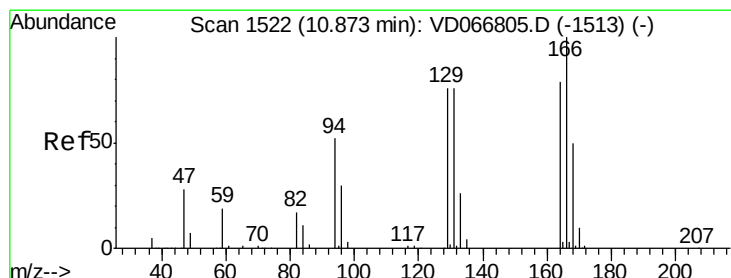
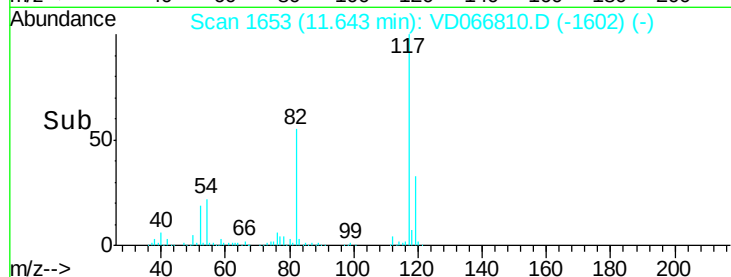
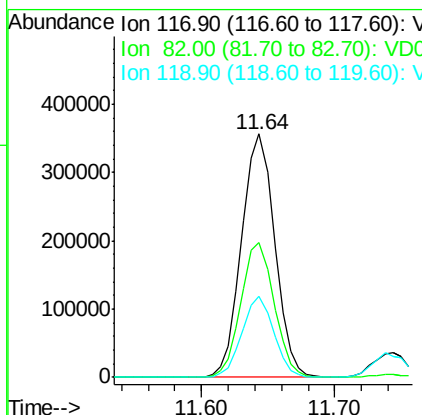
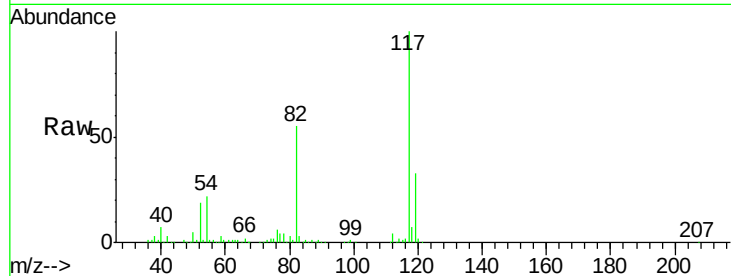
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	614568		
82	55.4	41.8	62.6	
119	33.3	24.6	37.0	

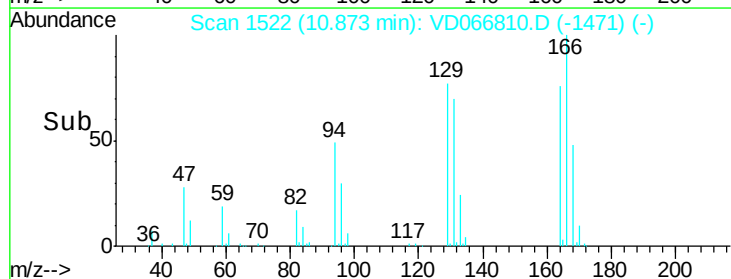
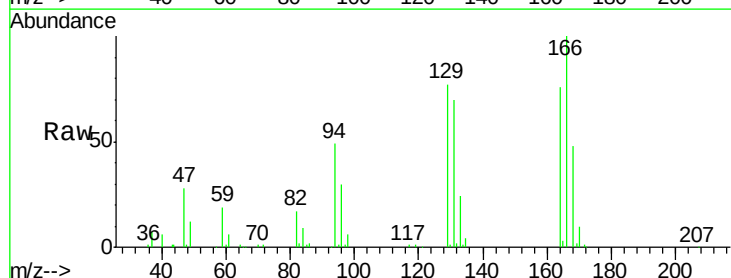
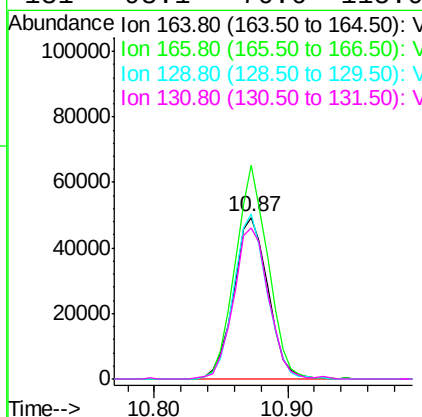
Manual Integrations
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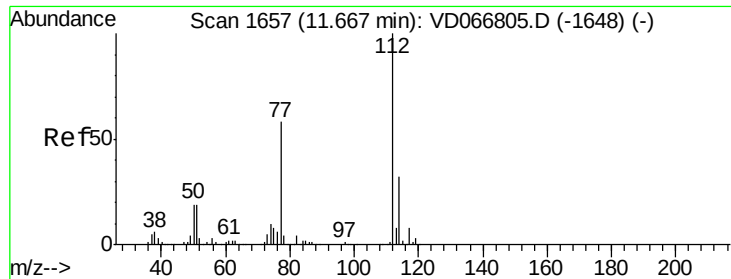
MMDadoda
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#64
Tetrachloroethene
Concen: 19.880 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87885		
166	132.1	101.1	151.7	
129	102.0	77.0	115.4	
131	93.1	76.6	115.0	





#65

Chlorobenzene

Concen: 19.714 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

Tot Ion:112 Resp: 252191

Ion Ratio Lower Upper

112 100

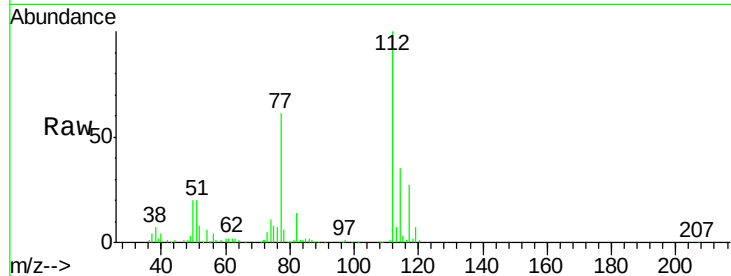
114 34.9 25.4 38.2

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

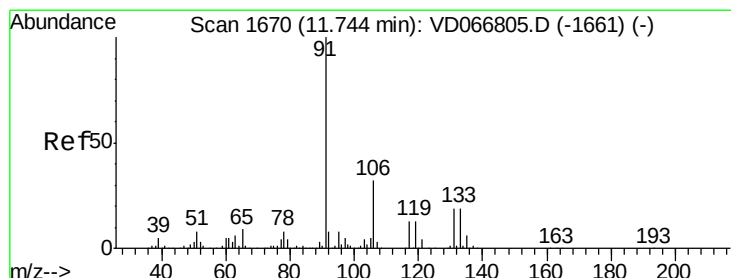
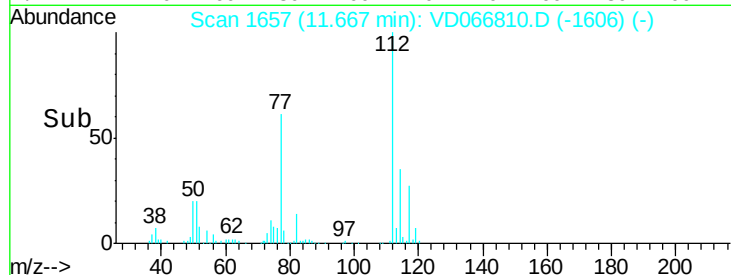
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.614 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

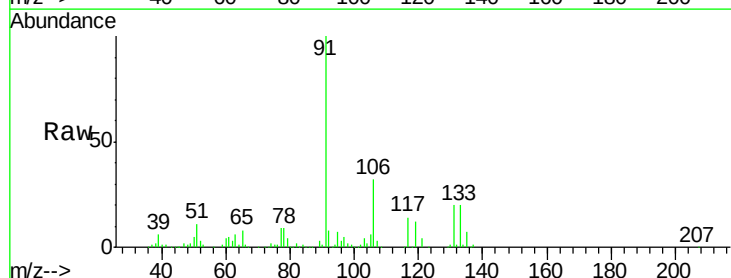
Tgt Ion:131 Resp: 94968

Ion Ratio Lower Upper

131 100

133 95.8 46.7 140.1

119 64.9 32.3 96.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.74

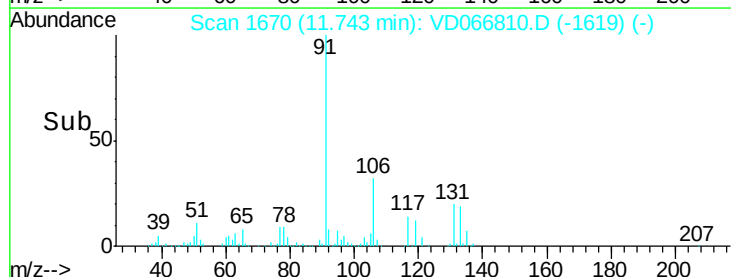
150000

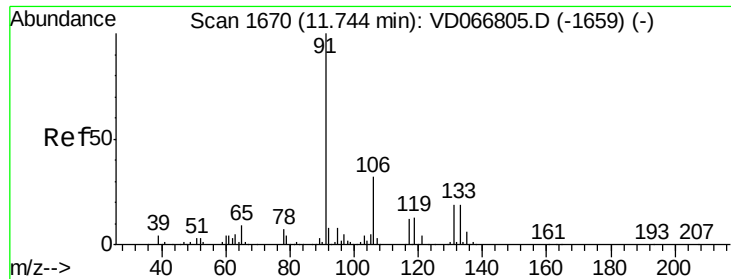
100000

50000

0

Time-->





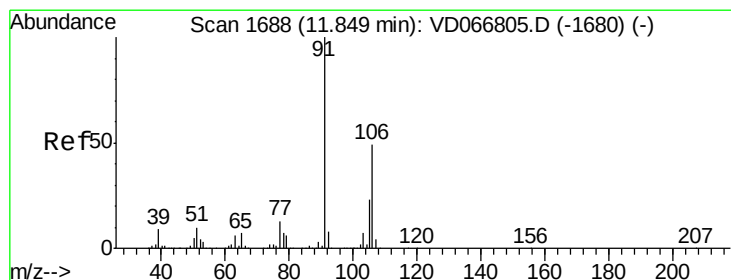
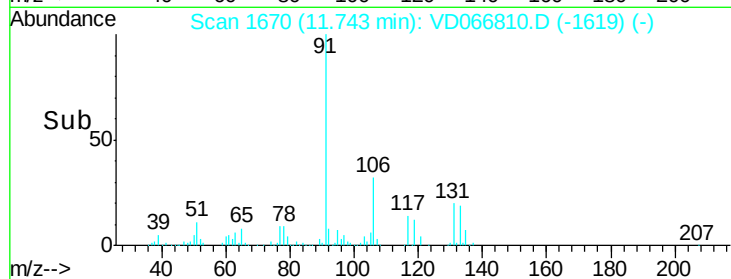
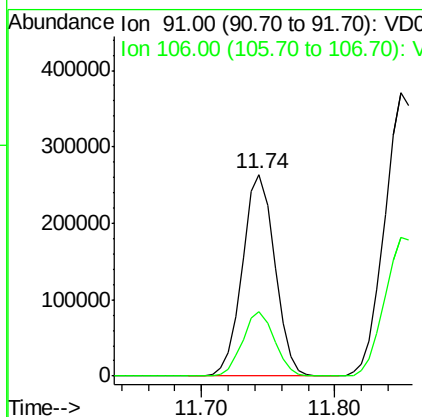
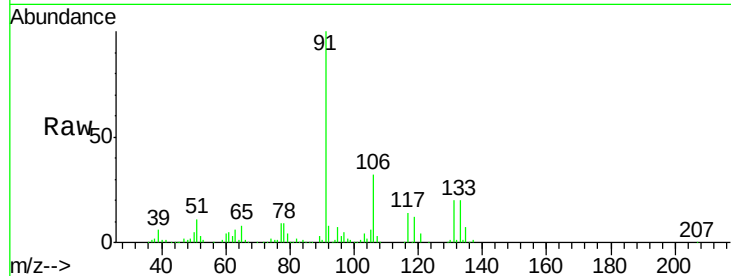
#67
Ethyl Benzene
Concen: 19.699 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

Tot Ion: 91 Resp: 442595
Ion Ratio Lower Upper
91 100
106 32.2 25.6 38.4

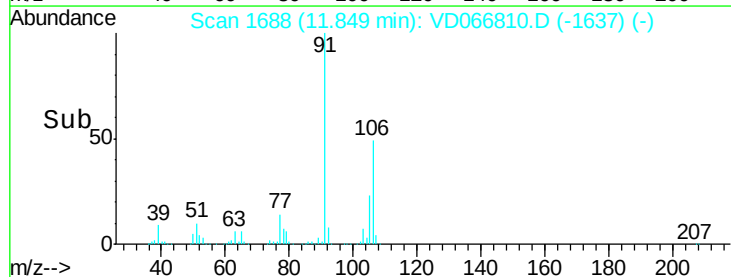
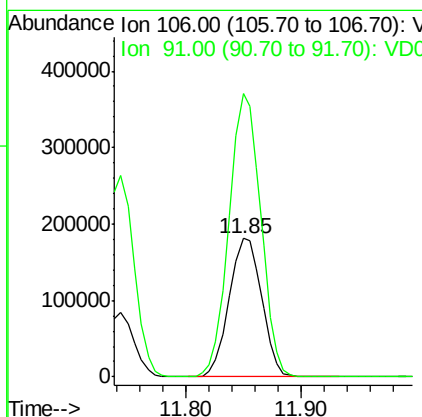
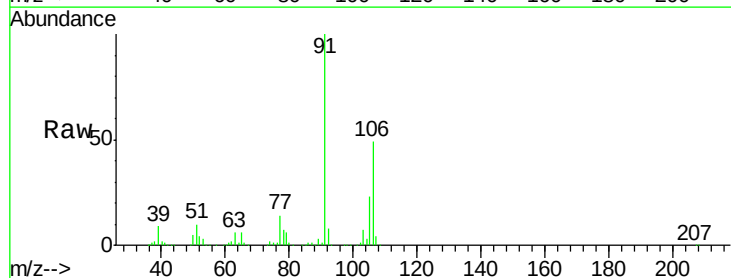
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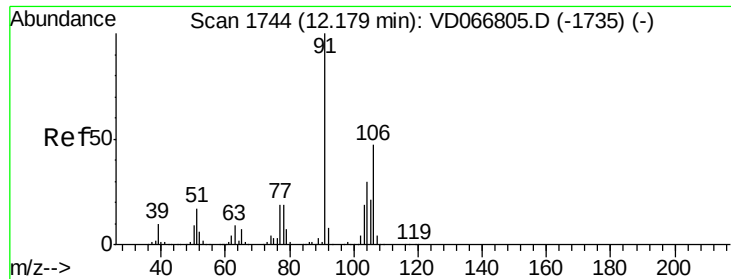
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#68
m/p-Xylenes
Concen: 41.774 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Tgt Ion: 106 Resp: 355353
Ion Ratio Lower Upper
106 100
91 198.8 160.7 241.1





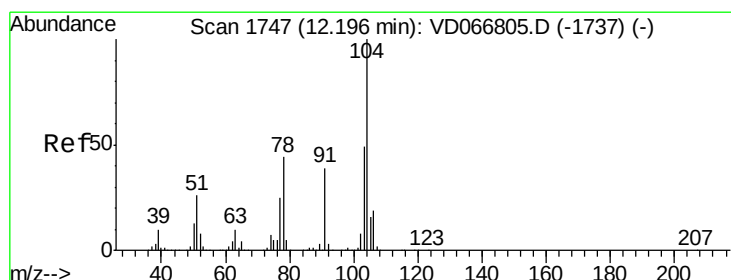
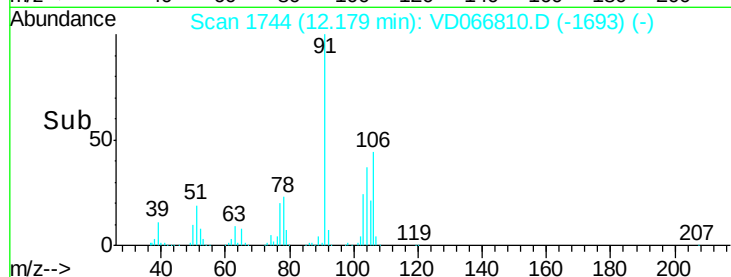
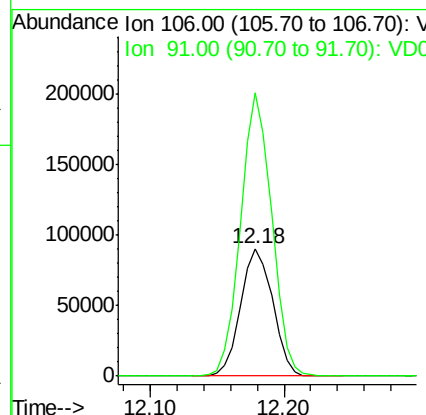
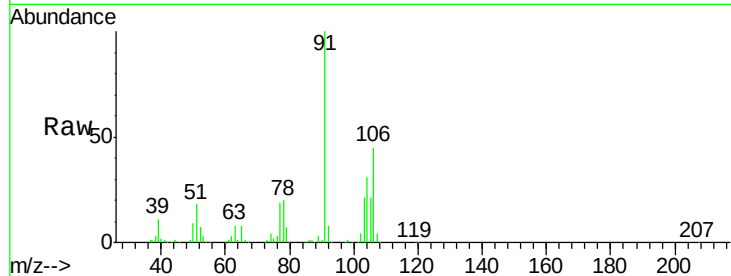
#69
o-Xylene
Concen: 19.665 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	151263		
91	214.6	106.3	318.8	

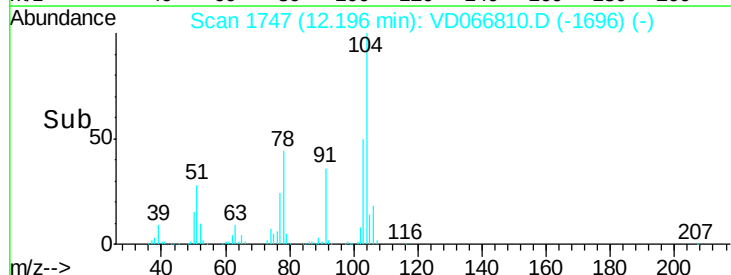
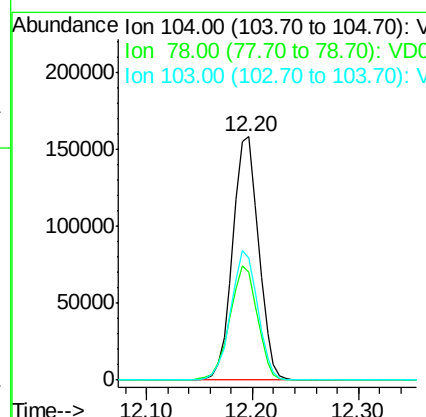
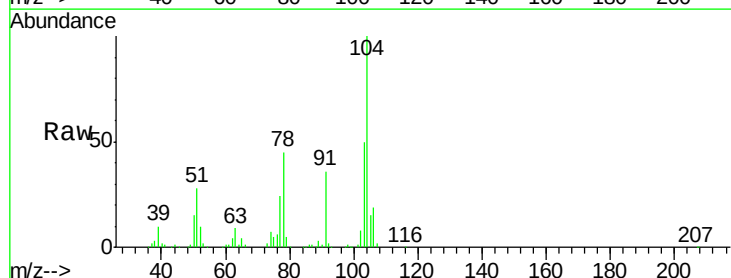
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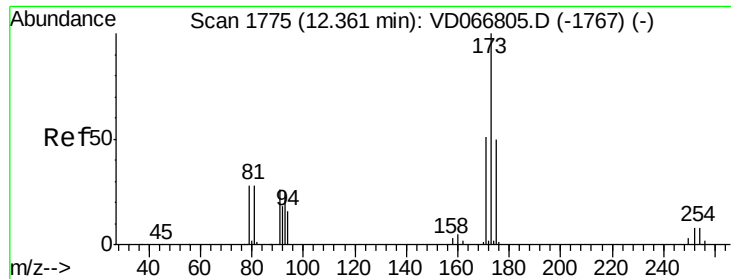
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#70
Styrene
Concen: 20.112 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	268654		
78	49.8	38.9	58.3	
103	54.8	43.2	64.8	





#71

Bromoform

Concen: 19.299 ug/l

RT: 12.36 min Scan# 1774

Delta R.T. -0.01 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

Instrument :

MSVOA_D

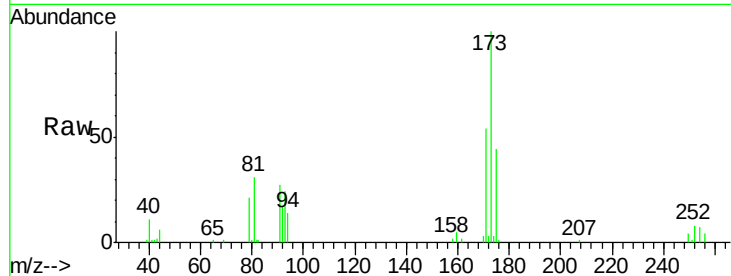
ClientSampleId :

VD0922SBS01

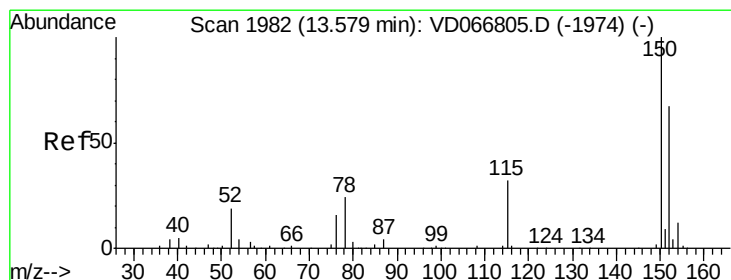
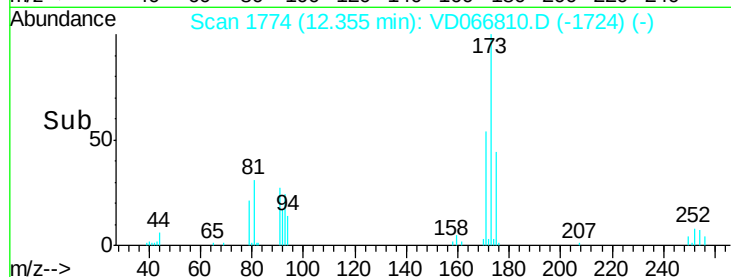
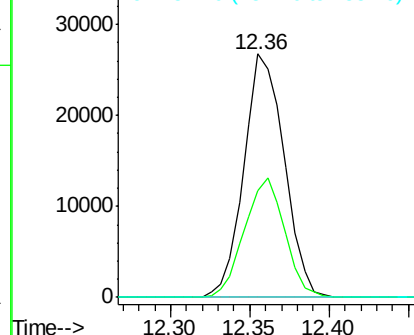
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.9	74.6
254	0.0	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

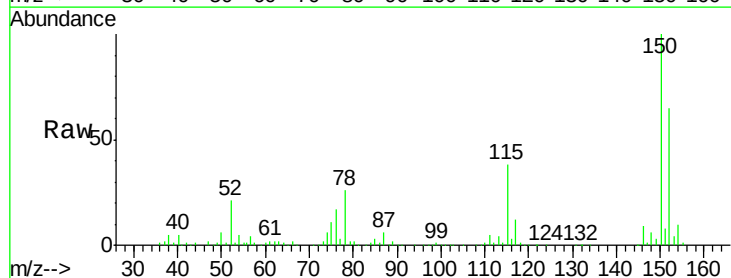
RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

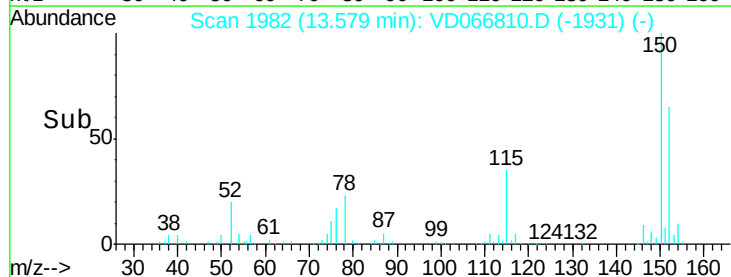
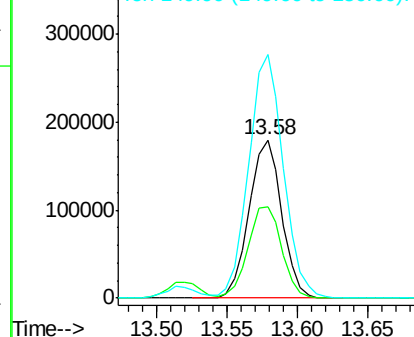
Lab File: VD066810.D

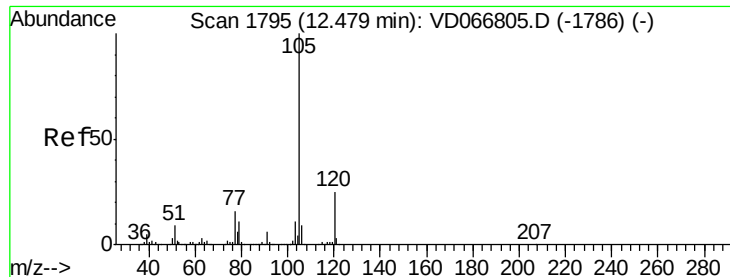
Acq: 22 Sep 2020 14:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	30.3	91.0
150	163.2	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: 20.242 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

Tot Ion: 105 Resp: 426844

Ion Ratio Lower Upper

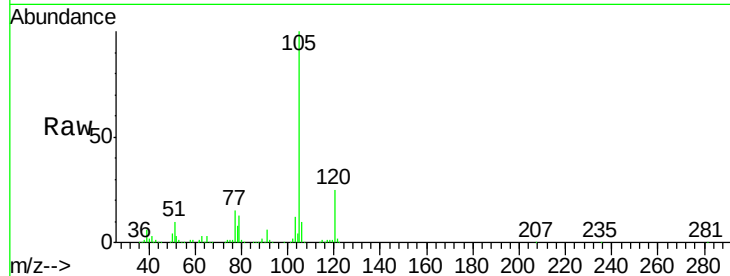
105 100

120 26.1 12.9 38.6

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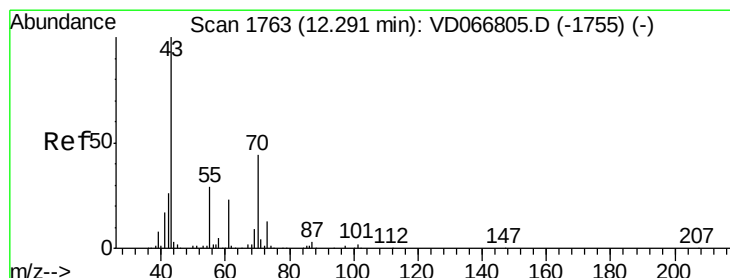
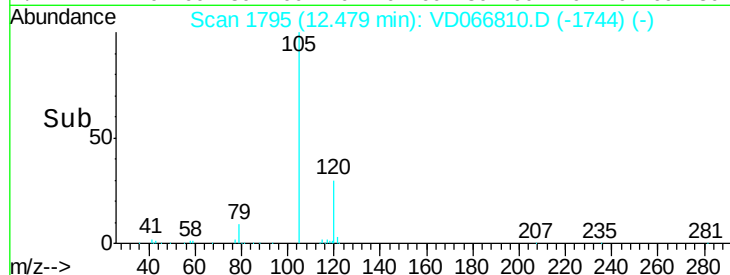
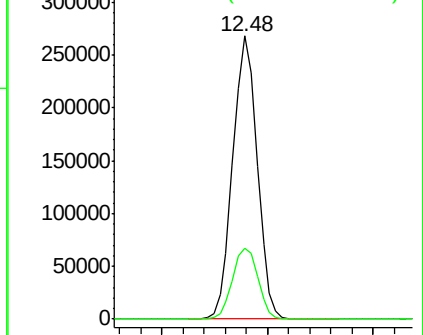
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.087 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

Tgt Ion: 43 Resp: 82719

Ion Ratio Lower Upper

43 100

70 45.7 36.1 54.1

55 29.7 21.8 32.8

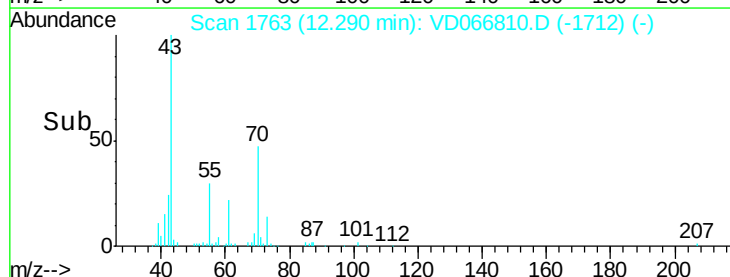
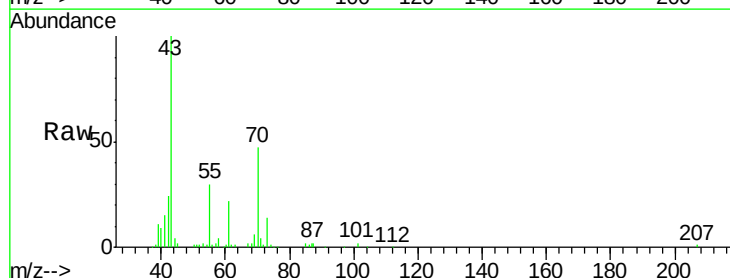
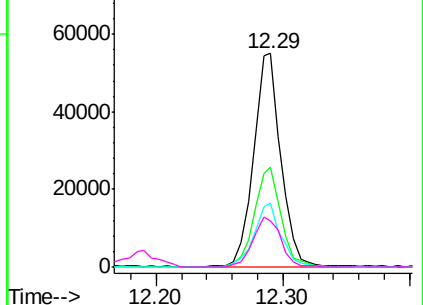
61 23.8 19.0 28.4

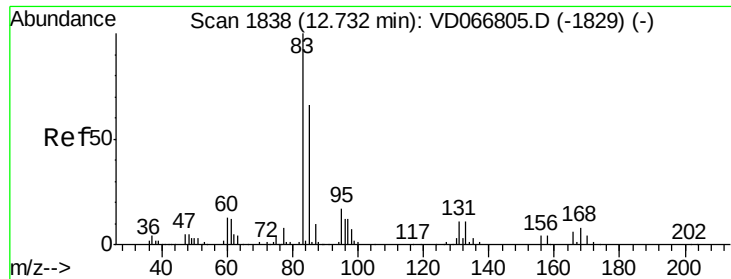
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.880 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

Instrument :

MSVOA_D

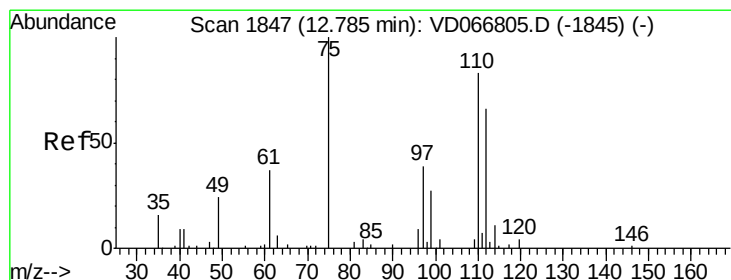
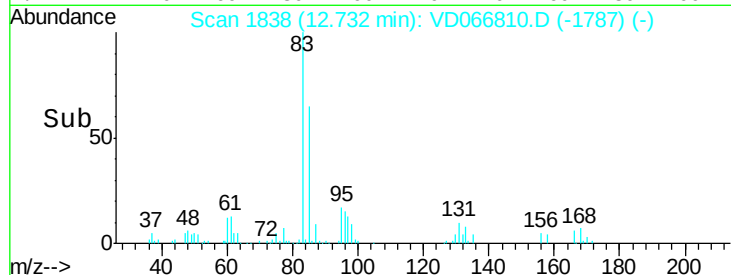
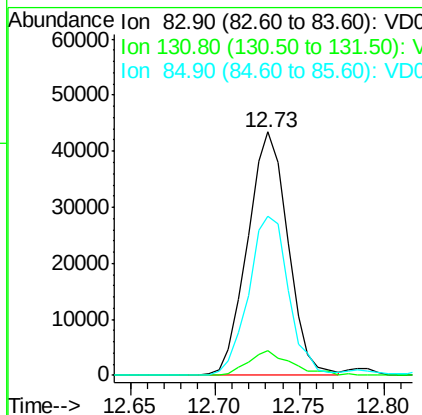
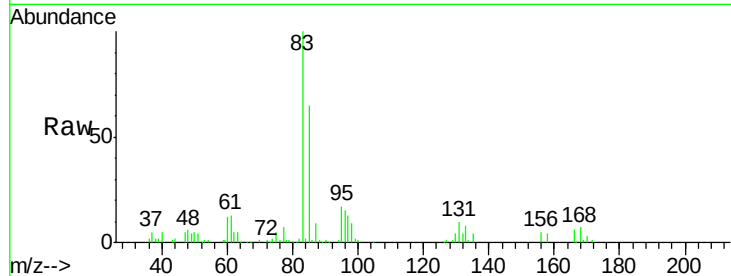
ClientSampleId :

VD0922SBS01

Tot Ion:	83	Resp:	72337
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.5	16.7
85	65.2	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 22.405 ug/l m

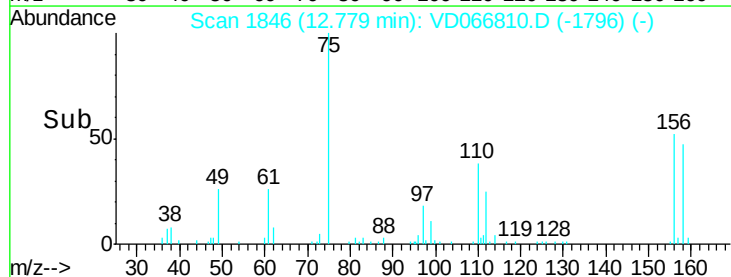
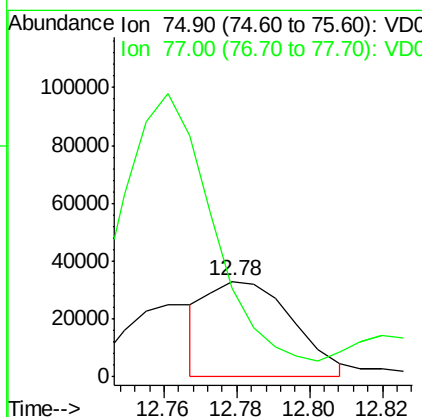
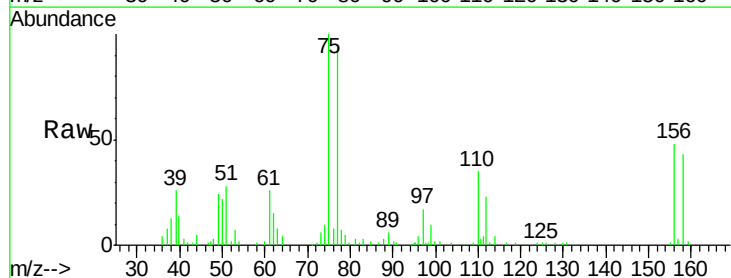
RT: 12.78 min Scan# 1846

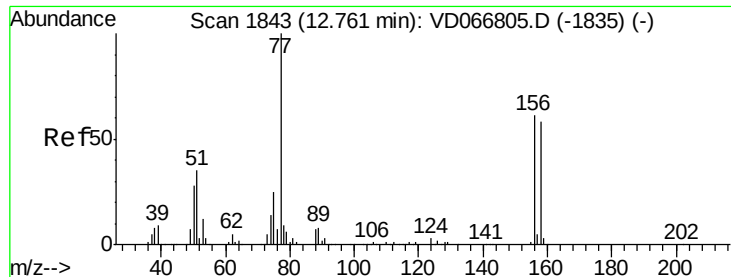
Delta R.T. -0.01 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

Tgt Ion:	75	Resp:	54198
Ion Ratio	Lower	Upper	
75	100		
77	332.4	0.0	0.0#





#77

Bromobenzene

Concen: 19.571 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

Tot Ion:156 Resp: 96518

Ion Ratio Lower Upper

156 100

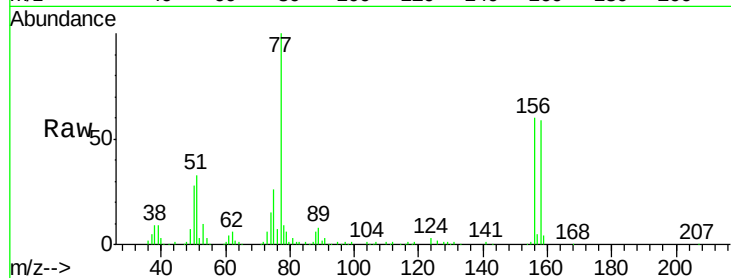
77 186.7 92.3 276.9

158 97.9 47.6 142.9

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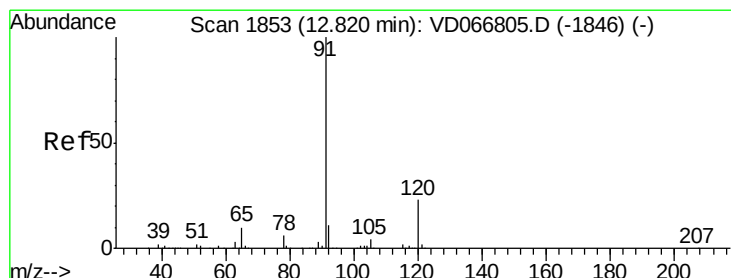
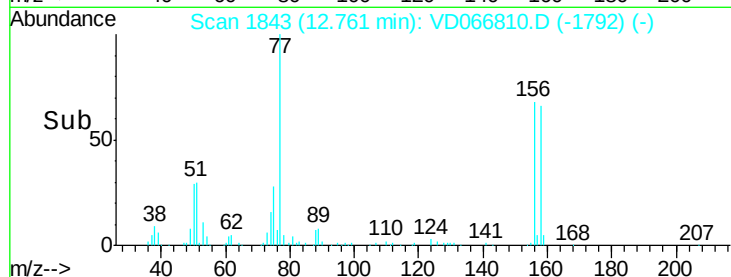
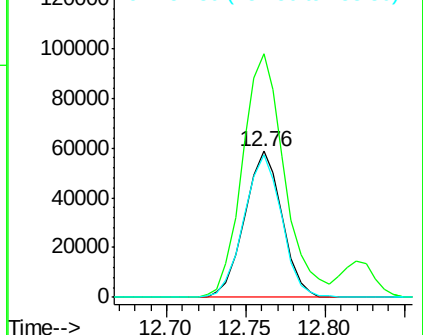
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.691 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066810.D

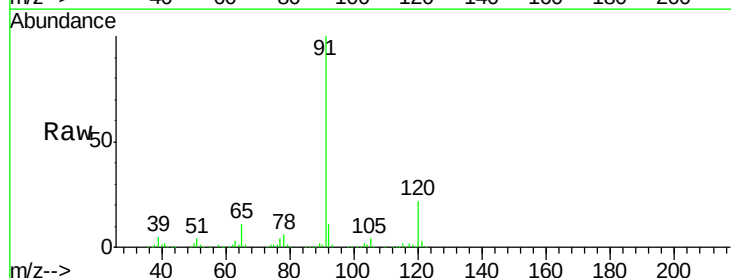
Acq: 22 Sep 2020 14:56

Tgt Ion: 91 Resp: 524903

Ion Ratio Lower Upper

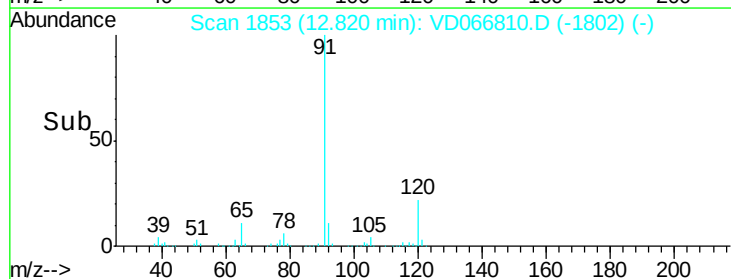
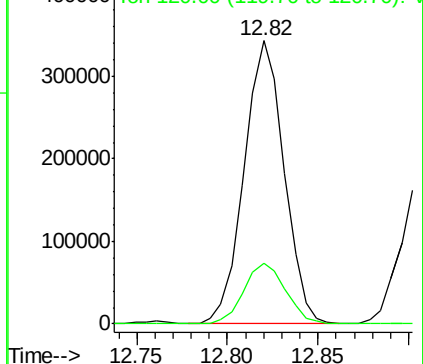
91 100

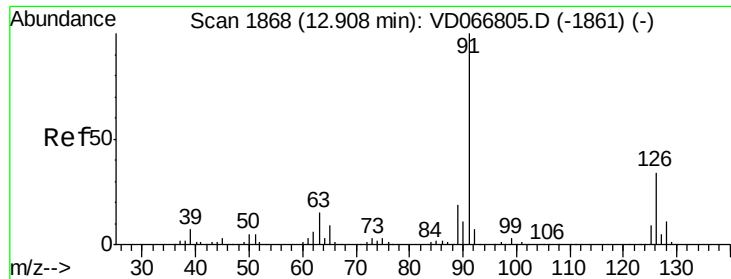
120 22.6 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.280 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

Tot Ion: 91 Resp: 293171

Ion Ratio Lower Upper

91 100

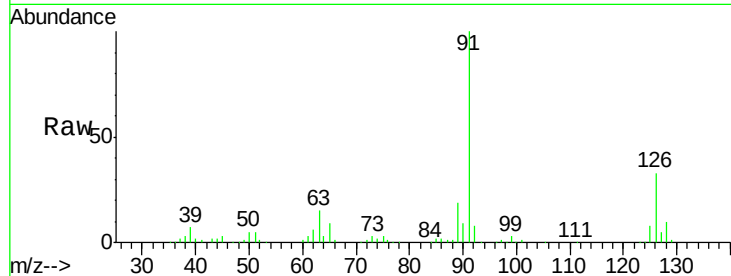
126 33.3 17.0 51.0

Manual Integrations

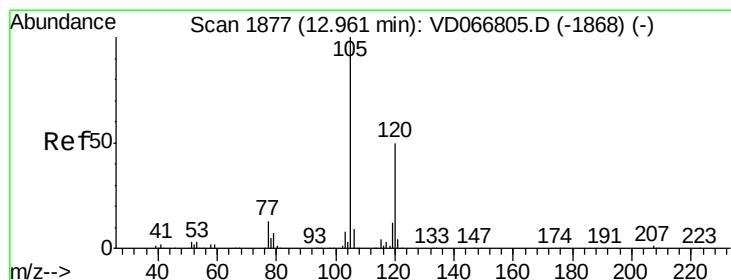
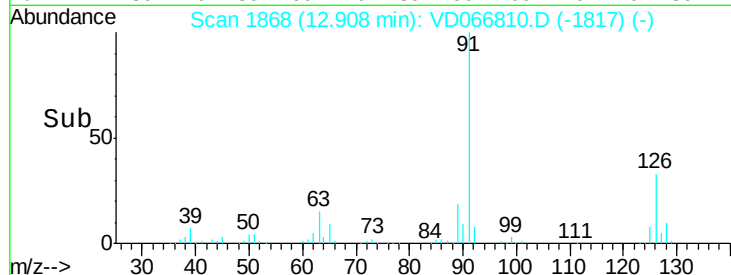
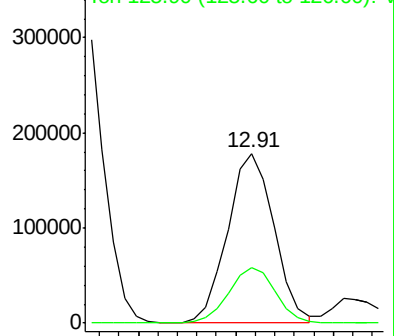
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Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 20.569 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066810.D

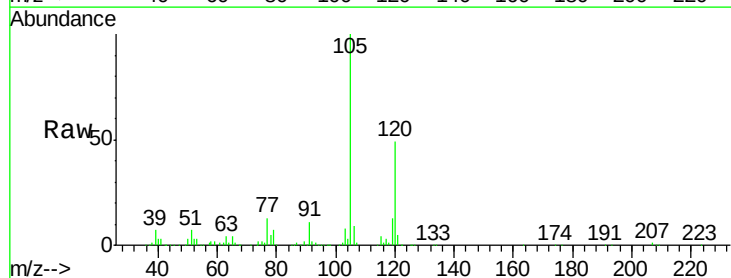
Acq: 22 Sep 2020 14:56

Tgt Ion:105 Resp: 368031

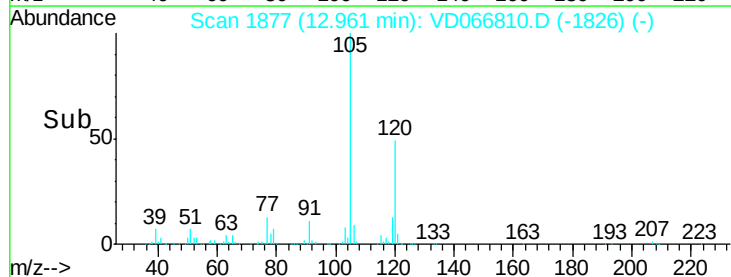
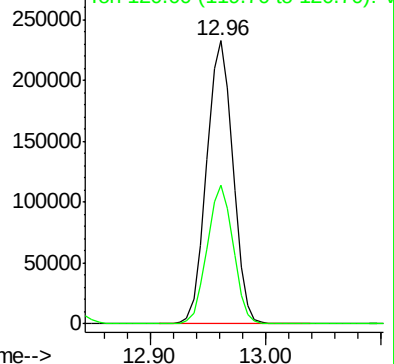
Ion Ratio Lower Upper

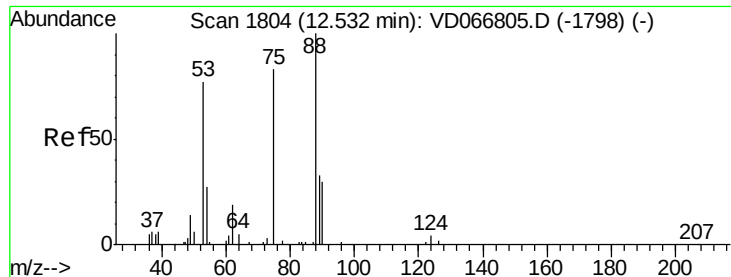
105 100

120 48.5 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.232 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

Tot Ion: 75 Resp: 20529

Ion Ratio Lower Upper

75 100

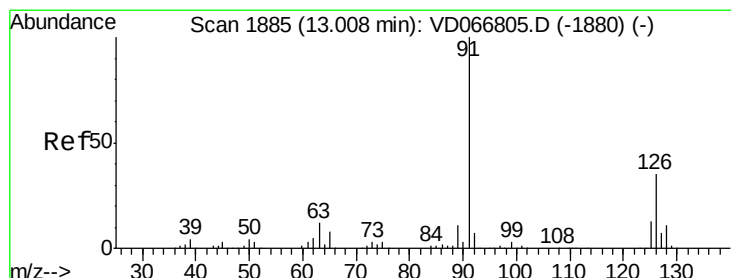
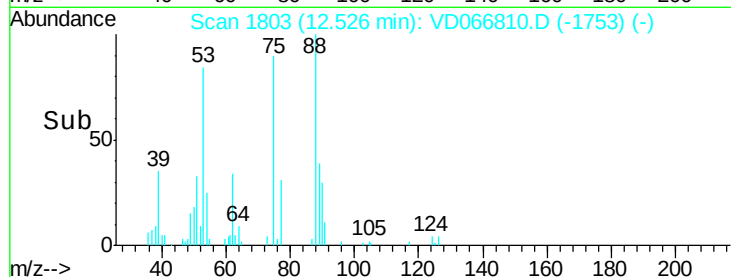
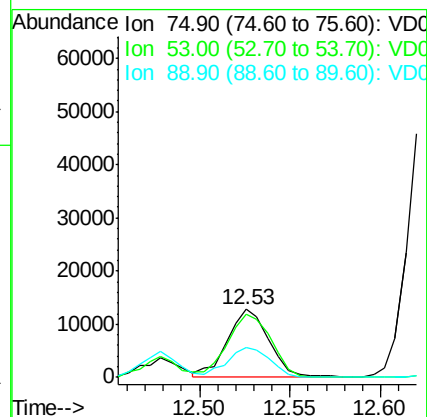
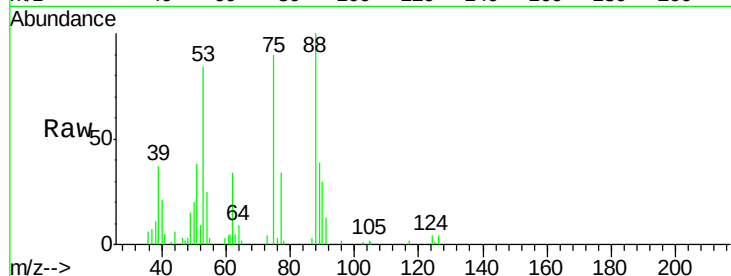
53 95.6 78.5 117.7

89 44.5 38.1 57.1

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#82

4-Chlorotoluene

Concen: 20.817 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD066810.D

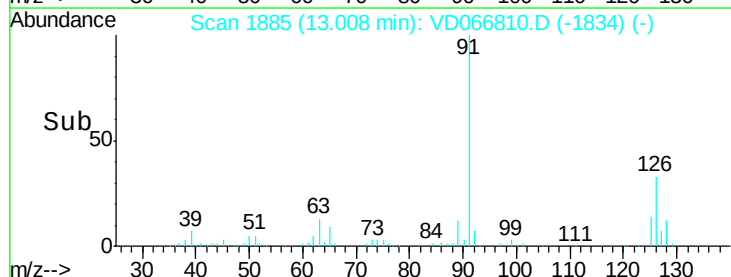
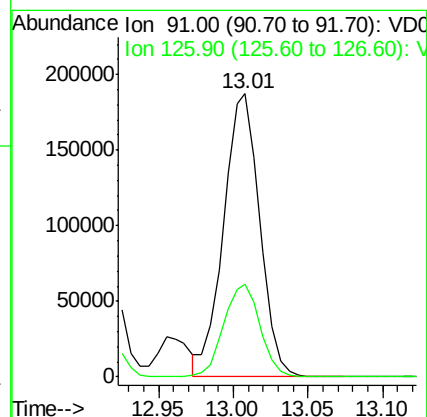
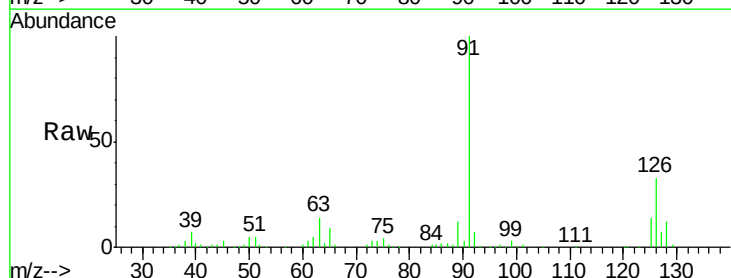
Acq: 22 Sep 2020 14:56

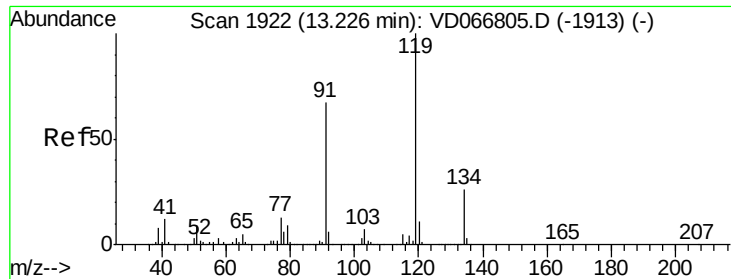
Tgt Ion: 91 Resp: 317222

Ion Ratio Lower Upper

91 100

126 33.0 17.1 51.2





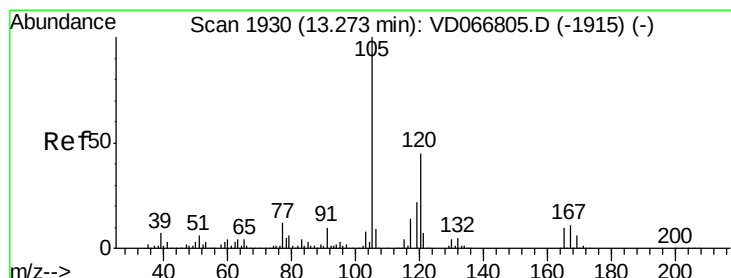
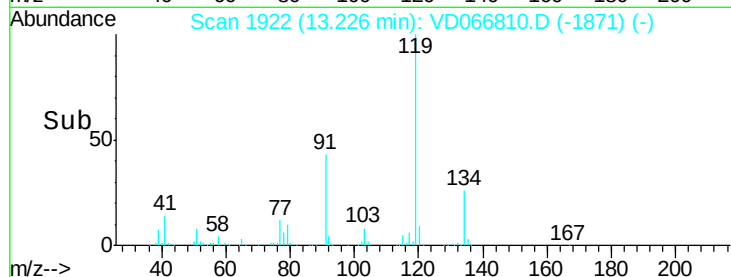
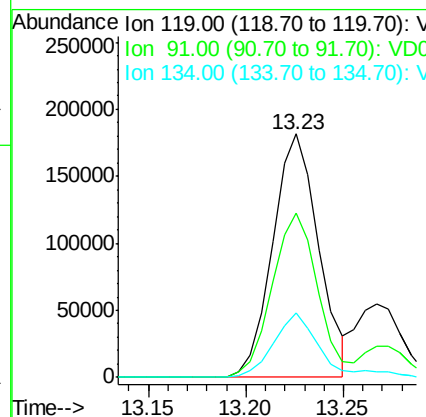
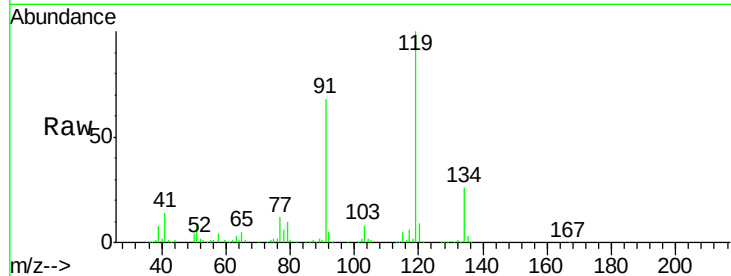
#83
 tert-Butylbenzene
 Concen: 20.151 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD066810.D
 Acq: 22 Sep 2020 14:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	296268		
91	67.4	33.6	100.8	
134	27.4	13.5	40.4	

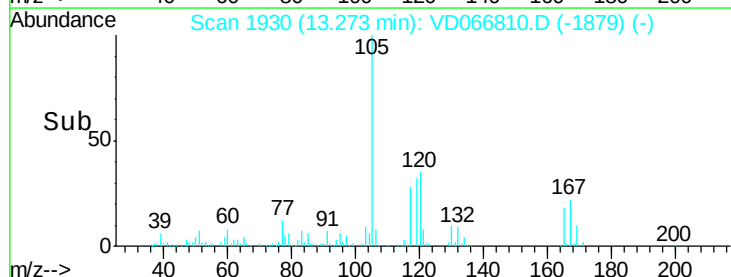
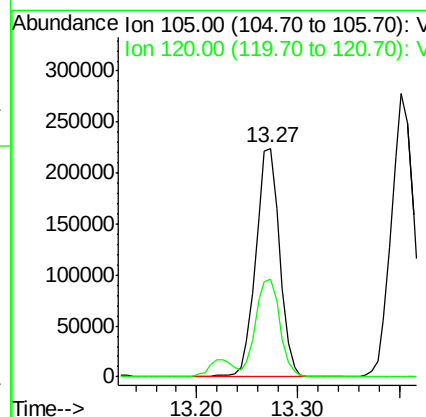
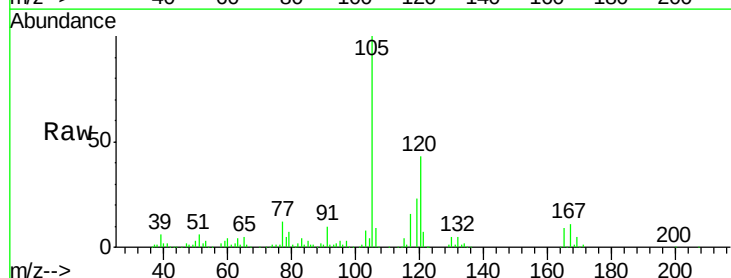
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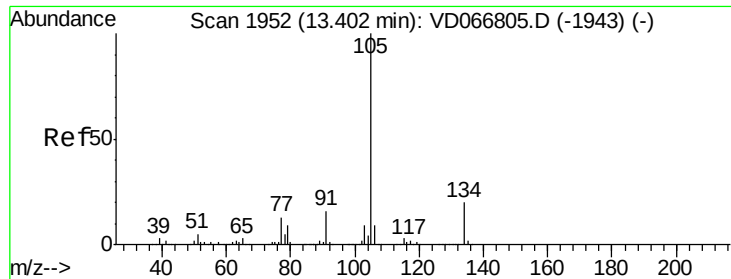
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.594 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD066810.D
 Acq: 22 Sep 2020 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	365388		
120	43.4	22.3	66.9	





#85

sec-Butylbenzene

Concen: 20.332 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

Tot Ion:105 Resp: 429871

Ion Ratio Lower Upper

105 100

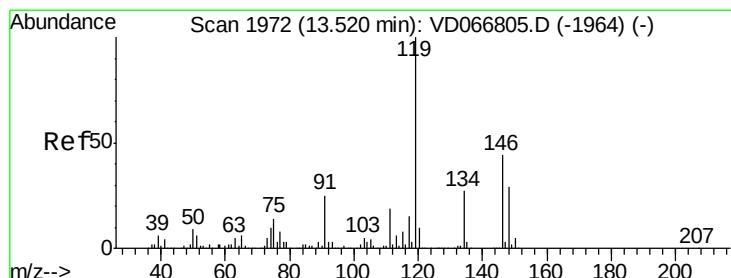
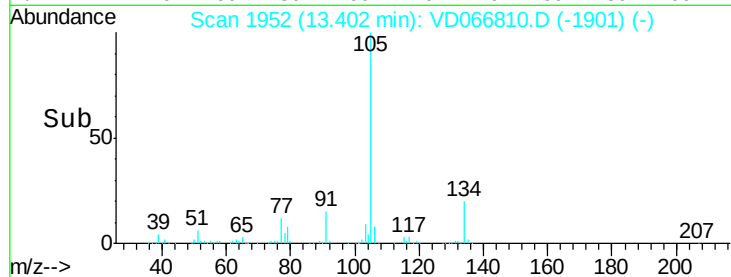
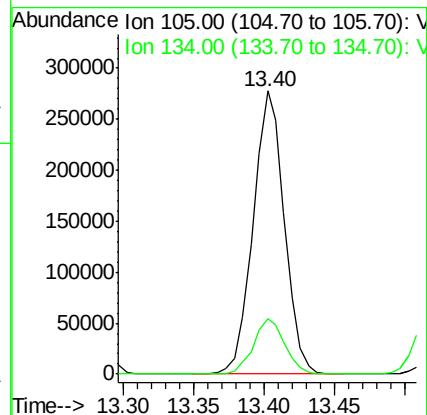
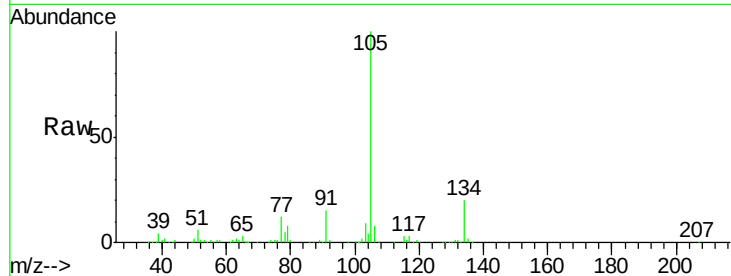
134 19.7 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 20.982 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

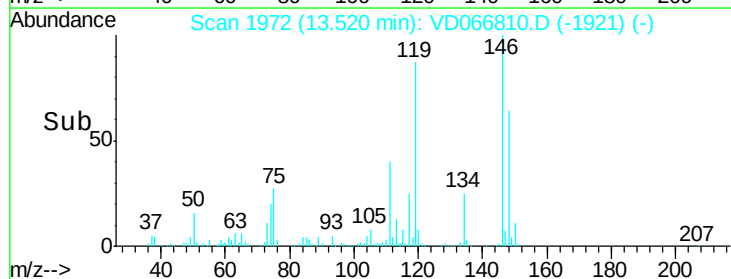
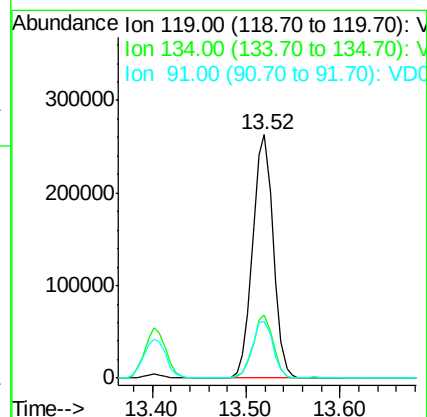
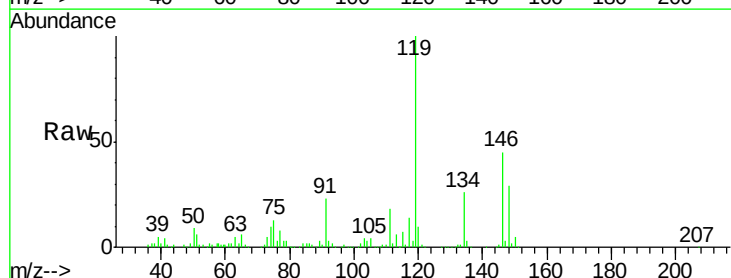
Tgt Ion:119 Resp: 399877

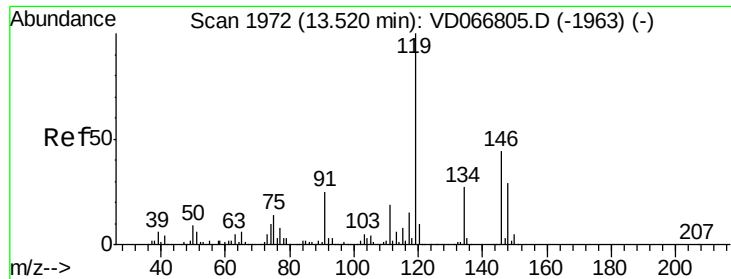
Ion Ratio Lower Upper

119 100

134 25.3 13.0 38.9

91 23.9 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 20.060 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

Instrument :

MSVOA_D

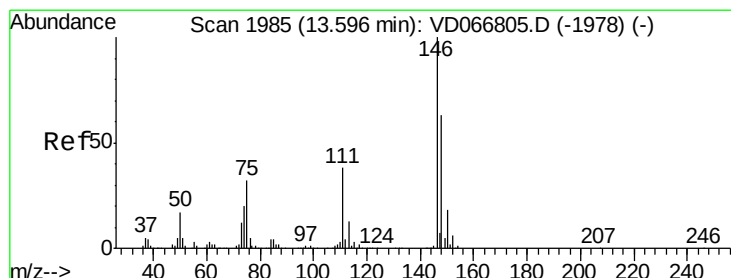
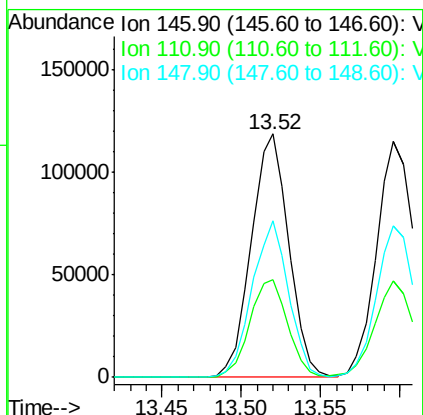
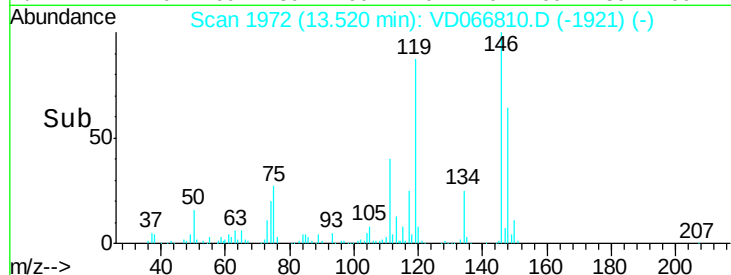
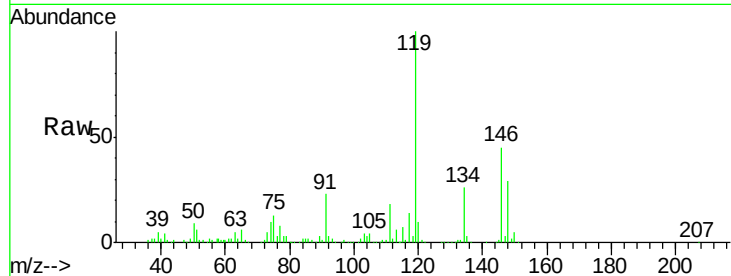
ClientSampleId :

VD0922SBS01

Tot Ion:	146	Resp:	195450
Ion Ratio	Lower	Upper	
146	100		
111	40.7	20.3	60.9
148	62.5	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 19.689 ug/l

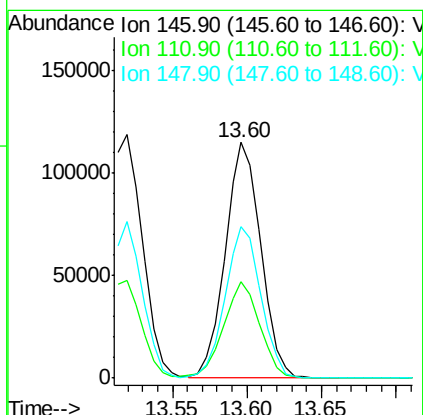
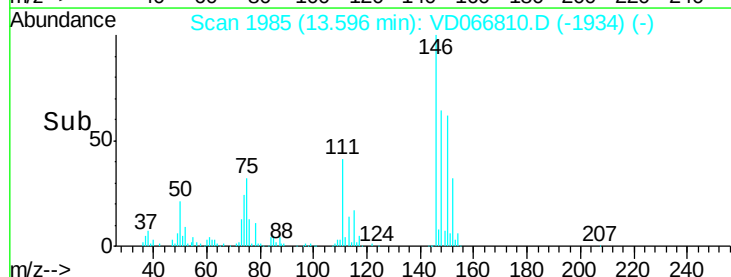
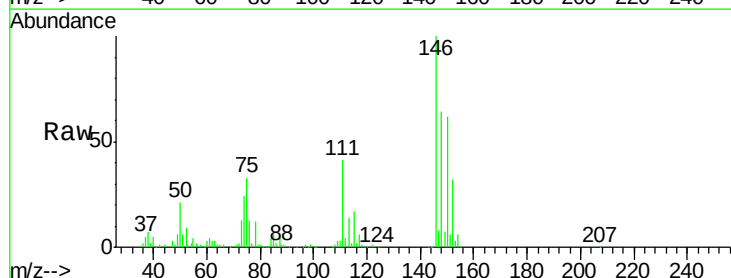
RT: 13.60 min Scan# 1985

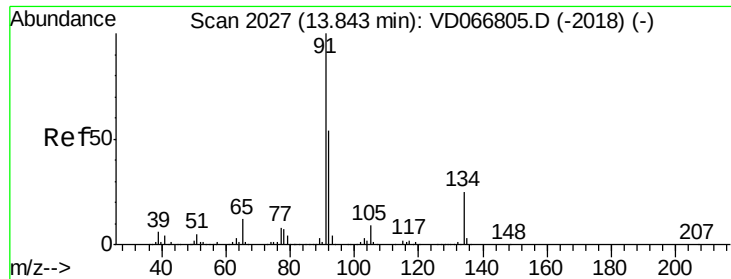
Delta R.T. -0.00 min

Lab File: VD066810.D

Acq: 22 Sep 2020 14:56

Tgt Ion:	146	Resp:	190537
Ion Ratio	Lower	Upper	
146	100		
111	42.0	20.2	60.5
148	64.9	31.6	94.7





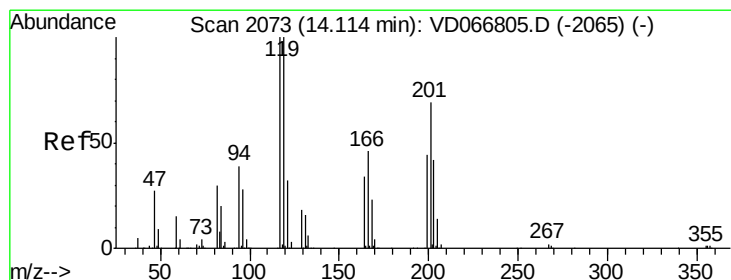
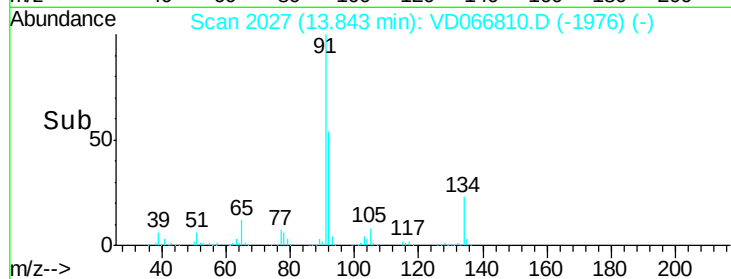
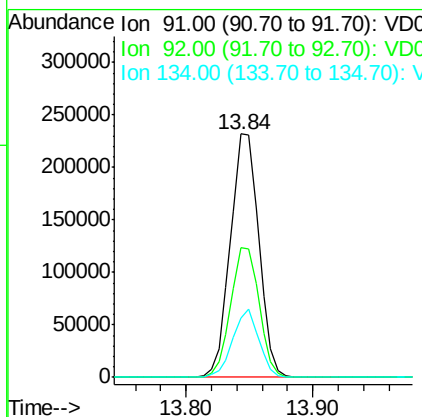
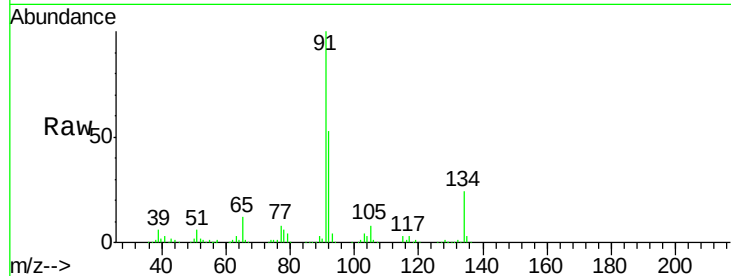
#89
n-Butylbenzene
Concen: 19.904 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.0	26.7	80.0	
134	25.8	13.1	39.1	

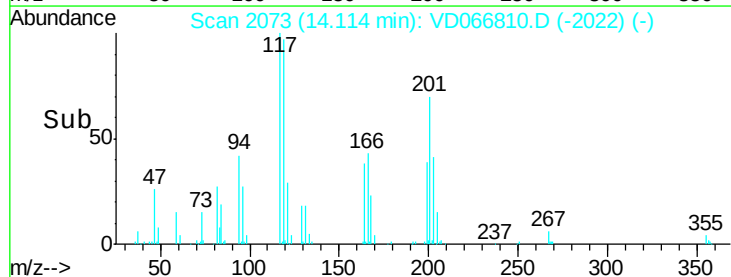
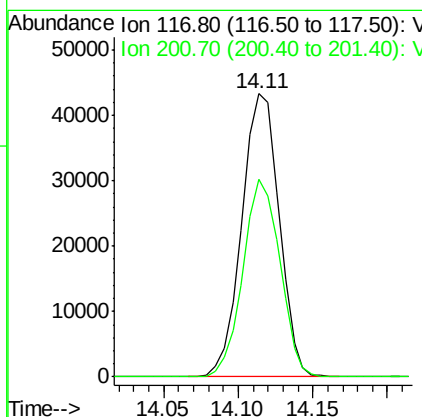
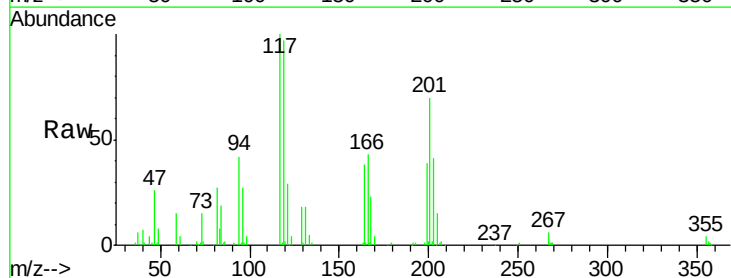
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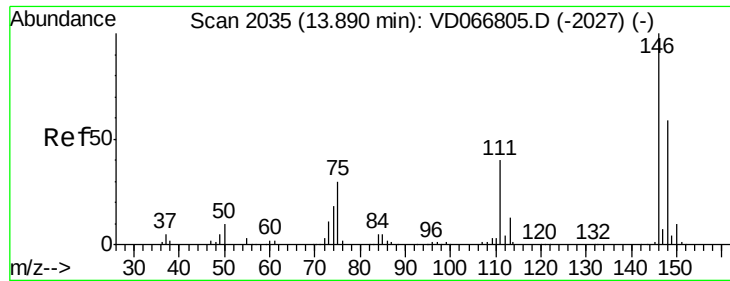
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#90
Hexachloroethane
Concen: 19.413 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	68.8	33.7	101.0	





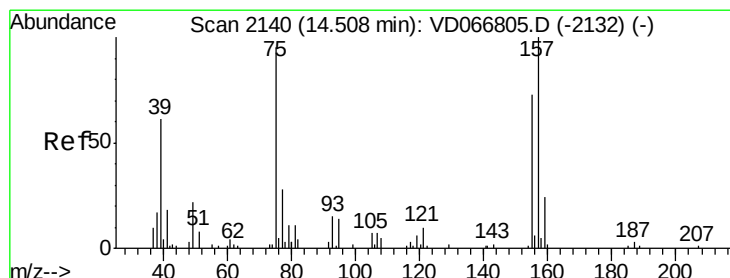
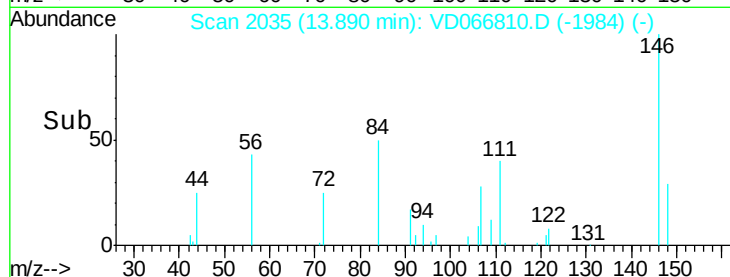
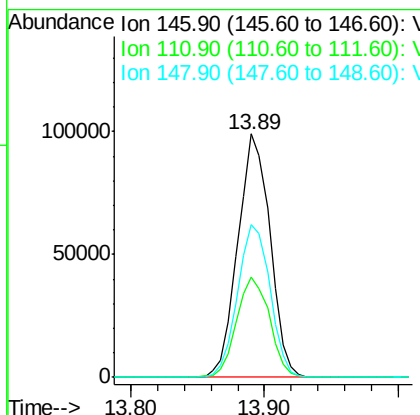
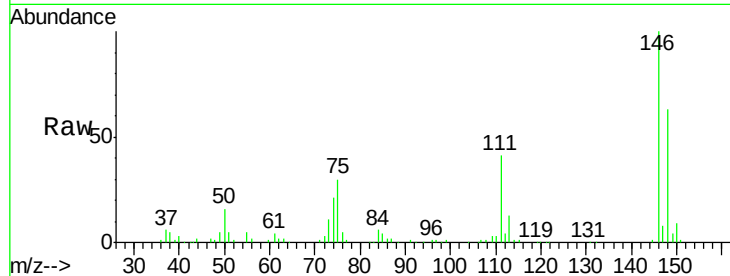
#91
 1,2-Dichlorobenzene
 Concen: 19.887 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066810.D
 Acq: 22 Sep 2020 14:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.9	62.7
148	63.2	31.8	95.3

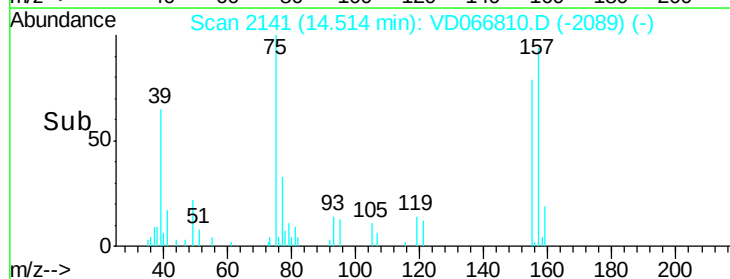
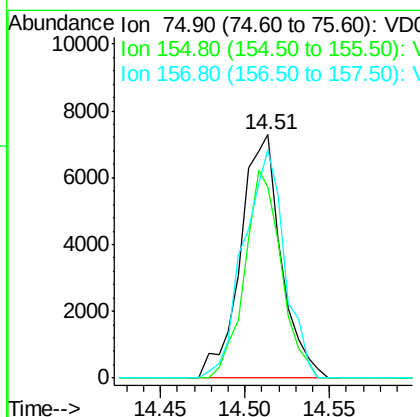
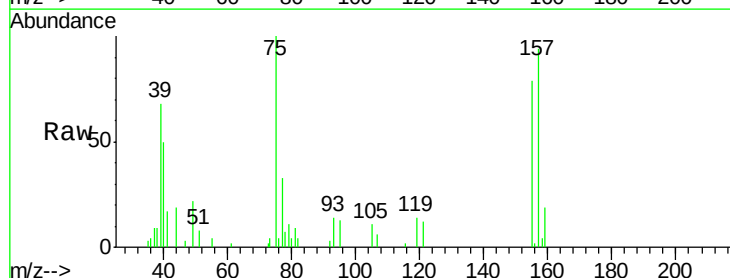
Manual Integrations
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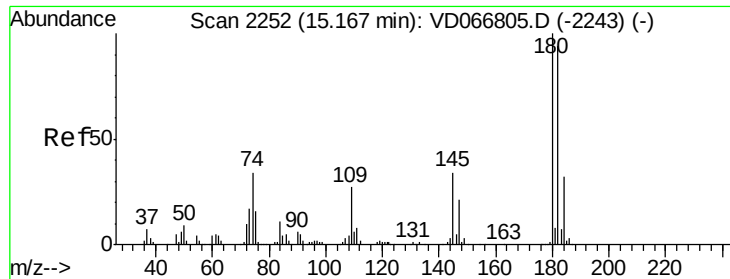
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.833 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD066810.D
 Acq: 22 Sep 2020 14:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.9	40.4	121.2
157	94.1	51.3	153.9





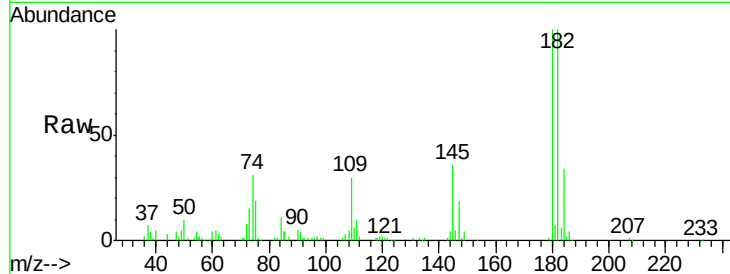
#93
 1,2,4-Trichlorobenzene
 Concen: 18.979 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066810.D
 Acq: 22 Sep 2020 14:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBS01

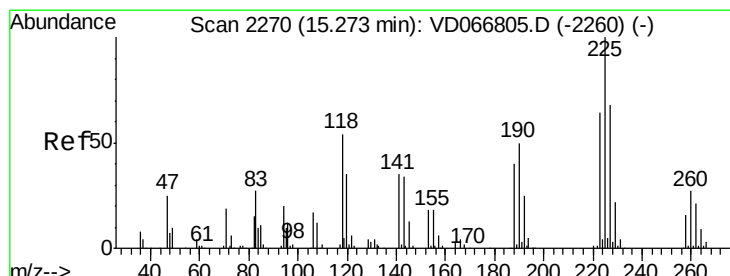
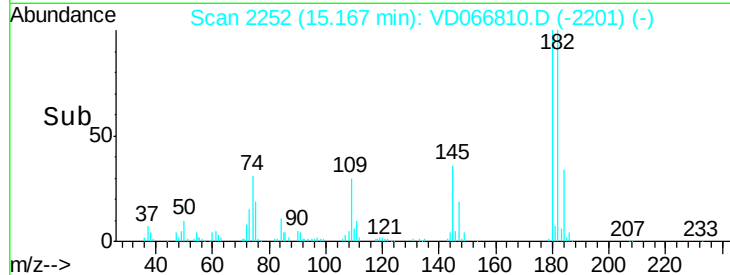
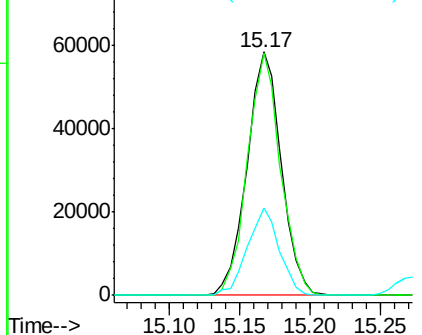
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.5	48.8	146.3	
145	33.4	16.7	50.0	

Manual Integrations
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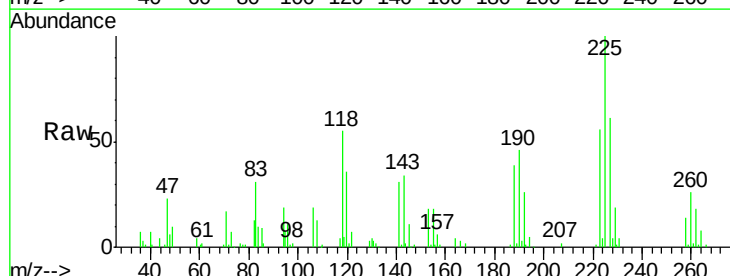


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

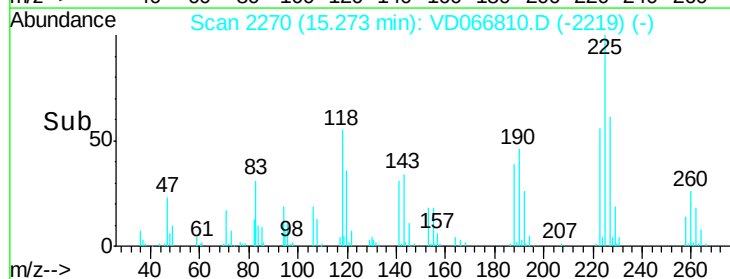
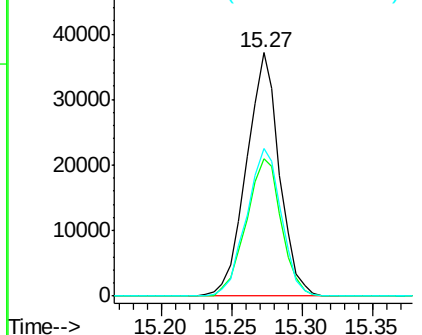


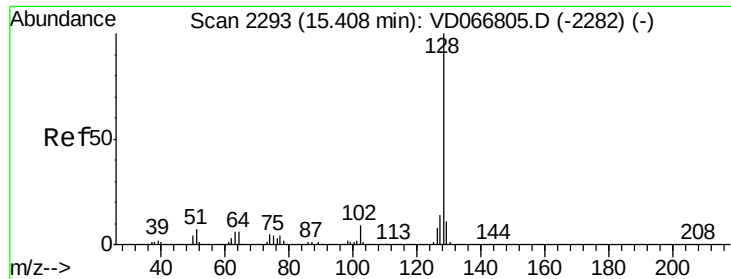
#94
 Hexachlorobutadiene
 Concen: 19.340 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066810.D
 Acq: 22 Sep 2020 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.0	31.1	93.3	
227	63.9	31.7	95.1	



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





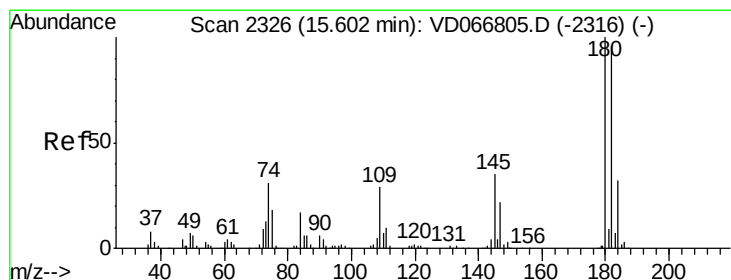
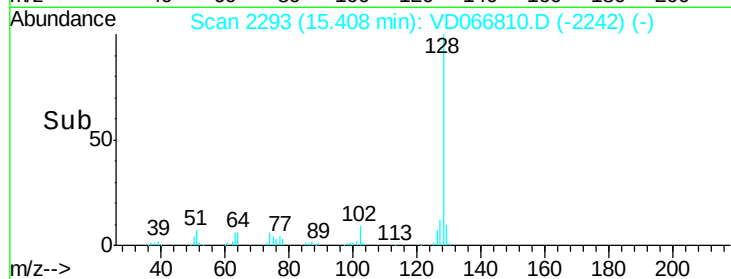
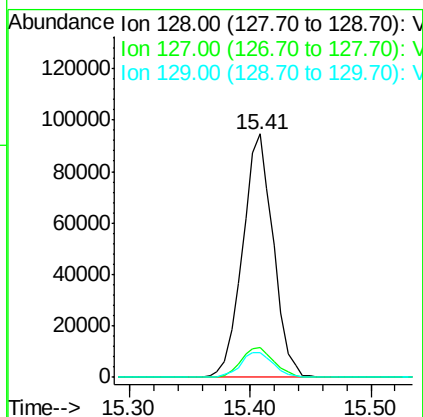
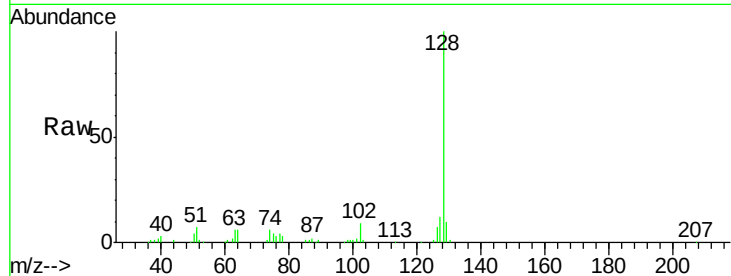
#95
Naphthalene
Concen: 18.778 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/23/2020 1:05:07 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.845 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066810.D
Acq: 22 Sep 2020 14:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	46.8	140.3
145	32.3	17.0	51.0

