

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD067010.D
 Acq On : 02 Oct 2020 00:35
 Operator : VA/SY
 Sample : VD1001SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS02

Manual Integrations
 APPROVED

MMDadoda
 10/2/2020 3:13:41 PM

Quant Time: Oct 02 01:40:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	416303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	689884	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	643081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	317588	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	230979	57.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.20%	
35) Dibromofluoromethane	7.91	113	249434	55.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.46%	
50) Toluene-d8	10.34	98	905497	55.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.04%	
62) 4-Bromofluorobenzene	12.63	95	310873	55.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	75398	19.470	ug/l	95
3) Chloromethane	2.21	50	71894	21.685	ug/l	93
4) Vinyl Chloride	2.35	62	65722	19.770	ug/l	99
5) Bromomethane	2.76	94	54577	23.144	ug/l	96
6) Chloroethane	2.92	64	42162	20.826	ug/l	96
7) Trichlorofluoromethane	3.27	101	139595	18.901	ug/l	99
8) Diethyl Ether	3.71	74	38696	21.128	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	80937	19.388	ug/l	97
10) Methyl Iodide	4.30	142	80772	19.913	ug/l	97
11) Tert butyl alcohol	5.21	59	33486	116.558	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	74851	19.073	ug/l	97
13) Acrolein	3.93	56	26992	100.530	ug/l	95
14) Allyl chloride	4.71	41	103474	20.297	ug/l	99
15) Acrylonitrile	5.43	53	74508	110.533	ug/l	97
16) Acetone	4.15	43	61849	101.044	ug/l	98
17) Carbon Disulfide	4.41	76	246307	20.451	ug/l	96
18) Methyl Acetate	4.71	43	35778	23.256	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	154340	21.544	ug/l	96
20) Methylene Chloride	4.96	84	136014	28.132	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	92713	20.759	ug/l	97
22) Diisopropyl ether	6.36	45	209564	22.516	ug/l #	93
23) Vinyl Acetate	6.30	43	563094	106.765	ug/l	98
24) 1,1-Dichloroethane	6.26	63	154681	21.535	ug/l	96
25) 2-Butanone	7.22	43	93125	107.310	ug/l	99
26) 2,2-Dichloropropane	7.21	77	123241	17.373	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	105576	22.134	ug/l	95
28) Bromochloromethane	7.54	49	56573	20.394	ug/l	97
29) Tetrahydrofuran	7.56	42	54009	108.237	ug/l	98
30) Chloroform	7.71	83	169990	21.816	ug/l	97
31) Cyclohexane	7.98	56	111215	18.468	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	145590	20.161	ug/l	98
36) 1,1-Dichloropropene	8.11	75	122232	19.008	ug/l	99
37) Ethyl Acetate	7.30	43	41263	18.523	ug/l	99
38) Carbon Tetrachloride	8.10	117	131107	18.844	ug/l	90

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	120368	17.705	ug/l	96
40) Benzene	8.35	78	362604	20.301	ug/l	100
41) Methacrylonitrile	7.53	41	21894	18.192	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	102333	20.504	ug/l	98
43) Isopropyl Acetate	8.45	43	84289	20.539	ug/l	99
44) Trichloroethene	9.11	130	102598	19.237	ug/l	100
45) 1,2-Dichloropropane	9.38	63	89809	21.400	ug/l	96
46) Dibromomethane	9.47	93	50439	20.911	ug/l	98
47) Bromodichloromethane	9.66	83	131321	20.945	ug/l	92
48) Methyl methacrylate	9.46	41	42240	20.091	ug/l	93
49) 1,4-Dioxane	9.46	88	10500	417.098	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	211027	103.235	ug/l	98
52) Toluene	10.40	92	239589	20.824	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	113258	20.211	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	134604	19.671	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	69779	20.808	ug/l	88
56) Ethyl methacrylate	10.66	69	71111	20.539	ug/l	96
57) 1,3-Dichloropropane	10.94	76	115095	21.165	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	204109	105.919	ug/l	99
59) 2-Hexanone	10.98	43	138216	101.306	ug/l	98
60) Dibromochloromethane	11.14	129	91724	20.522	ug/l	96
61) 1,2-Dibromoethane	11.24	107	68595	21.291	ug/l	98
64) Tetrachloroethene	10.87	164	89934	19.236	ug/l	96
65) Chlorobenzene	11.67	112	258018	20.173	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	98717	20.291	ug/l	99
67) Ethyl Benzene	11.74	91	430991	19.667	ug/l	99
68) m/p-Xylenes	11.86	106	339435	39.745	ug/l	98
69) o-Xylene	12.18	106	154445	20.223	ug/l	95
70) Styrene	12.19	104	270167	20.601	ug/l	100
71) Bromoform	12.36	173	50806	20.118	ug/l #	97
73) Isopropylbenzene	12.48	105	408154	18.927	ug/l	98
74) N-amyl acetate	12.29	43	73167	18.874	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	71996	19.815	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	46805m	16.920	ug/l	
77) Bromobenzene	12.76	156	103686	19.913	ug/l	99
78) n-propylbenzene	12.82	91	487786	19.140	ug/l	98
79) 2-Chlorotoluene	12.91	91	287399	19.710	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	355461	19.510	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20771	18.720	ug/l	98
82) 4-Chlorotoluene	13.01	91	301681	19.446	ug/l	98
83) tert-Butylbenzene	13.23	119	290109	18.909	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	365140	20.082	ug/l	97
85) sec-Butylbenzene	13.40	105	405725	18.778	ug/l	99
86) p-Isopropyltoluene	13.52	119	370581	18.500	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	204706	20.183	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	196903	19.416	ug/l	98
89) n-Butylbenzene	13.85	91	324332	17.716	ug/l	99
90) Hexachloroethane	14.11	117	66855	19.053	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	175008	19.758	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11451	19.551	ug/l	98

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	104678	18.270	ug/l	98
94) Hexachlorobutadiene	15.27	225	59935	17.033	ug/l	98
95) Naphthalene	15.41	128	176723	18.492	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	95924	19.286	ug/l	99

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

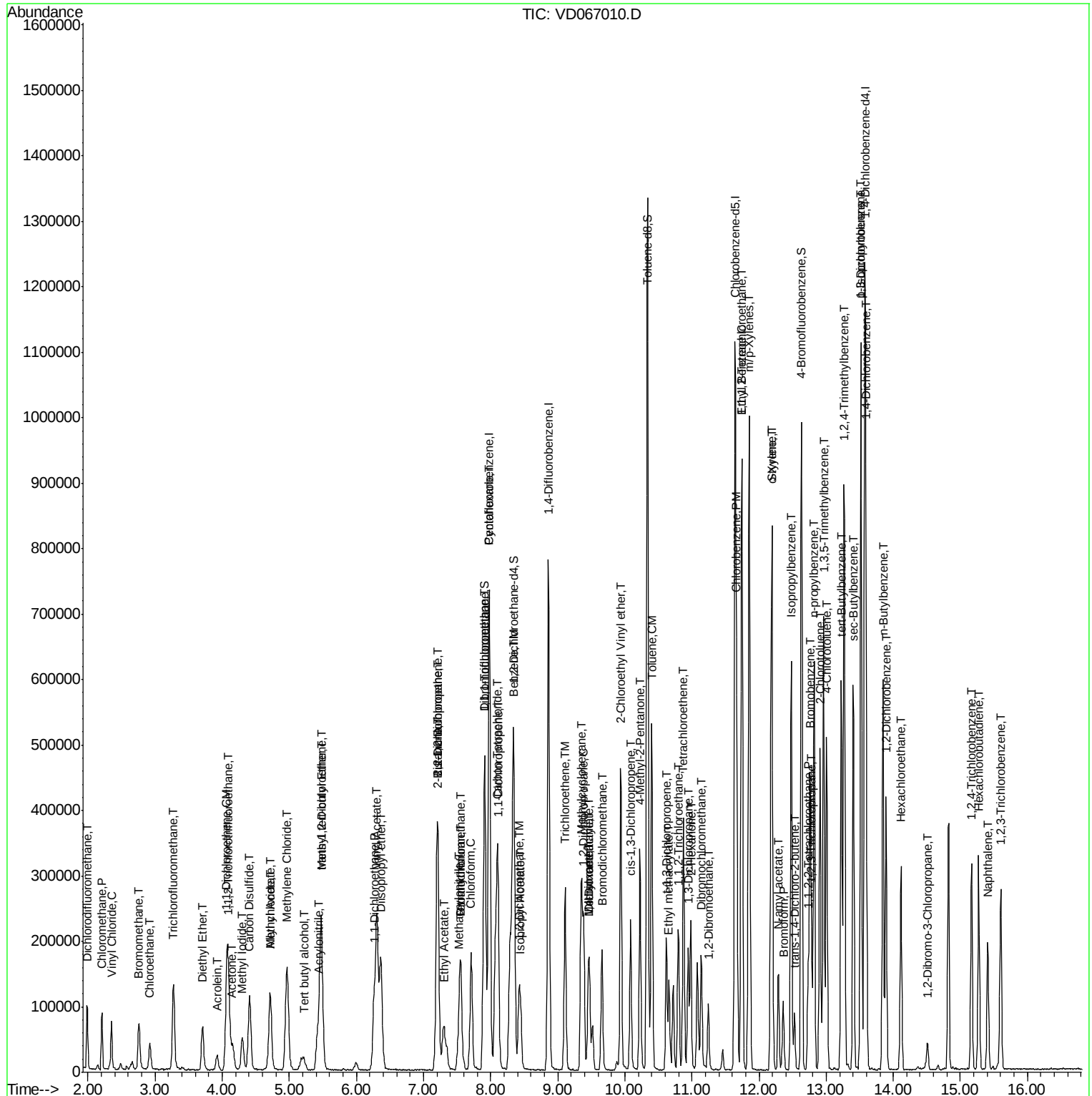
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Operator : VA/SY
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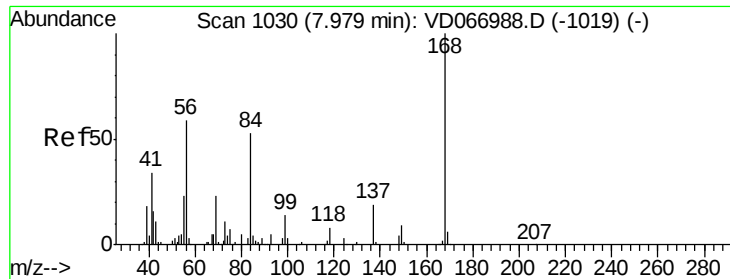
Instrument :
MSVOA_D
ClientSampleId :
VD1001SBSD02

Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS02

Tot Ion:168 Resp: 416303

Ion Ratio Lower Upper

168 100

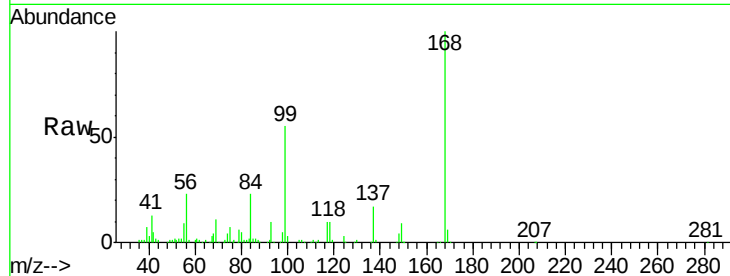
99 54.8 44.1 66.1

Manual Integrations

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10/2/2020 3:13:41 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

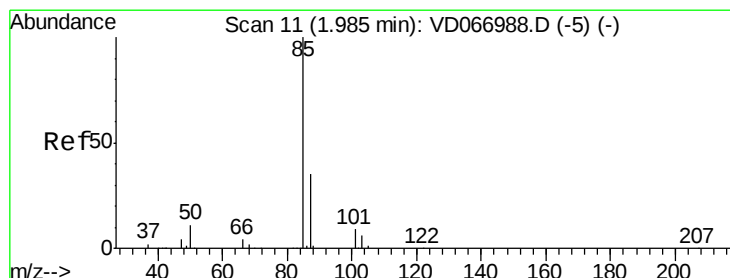
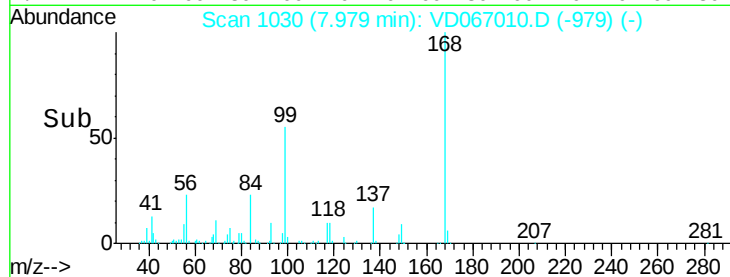
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.470 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067010.D

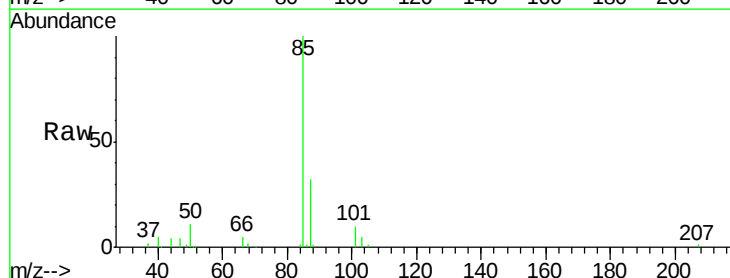
Acq: 02 Oct 2020 00:35

Tgt Ion: 85 Resp: 75398

Ion Ratio Lower Upper

85 100

87 32.0 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

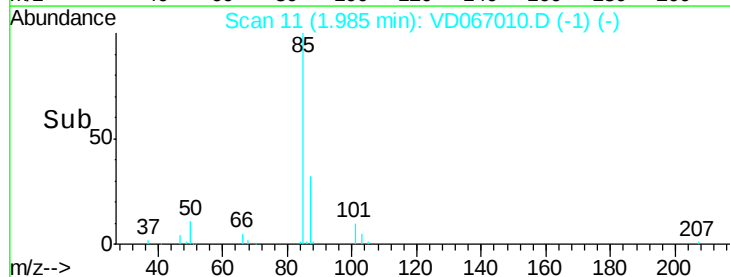
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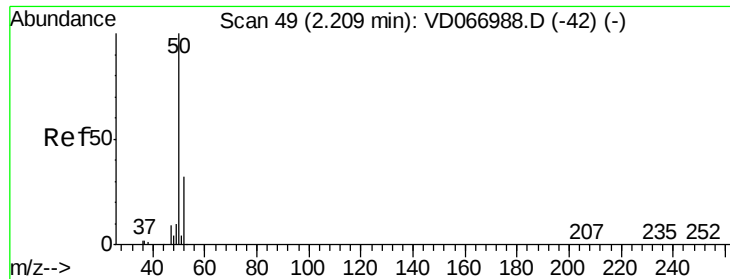
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0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.685 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS02

Tot Ion: 50 Resp: 71894

Ion Ratio Lower Upper

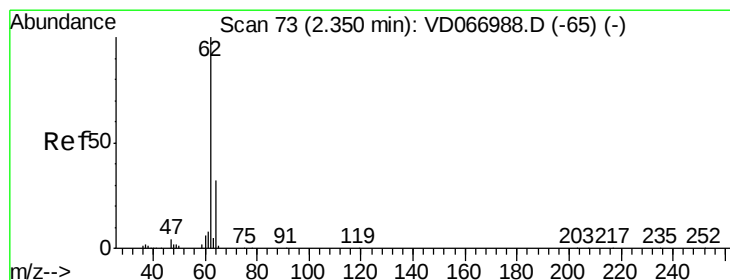
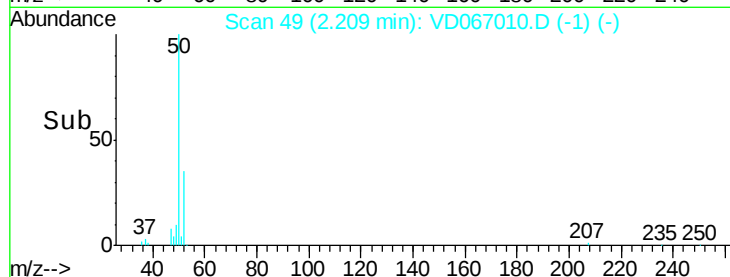
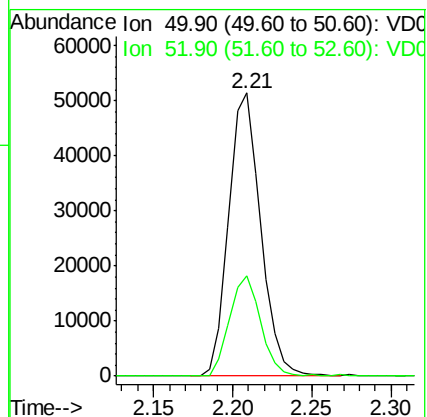
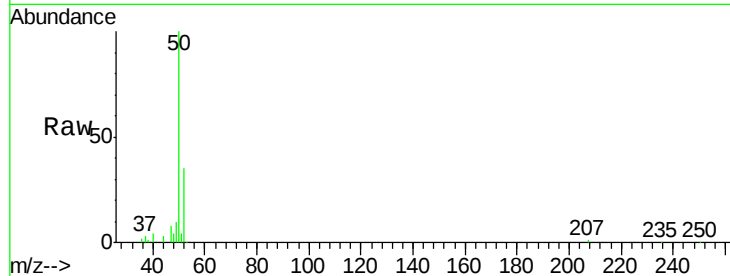
50 100

52 35.3 25.3 37.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.770 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067010.D

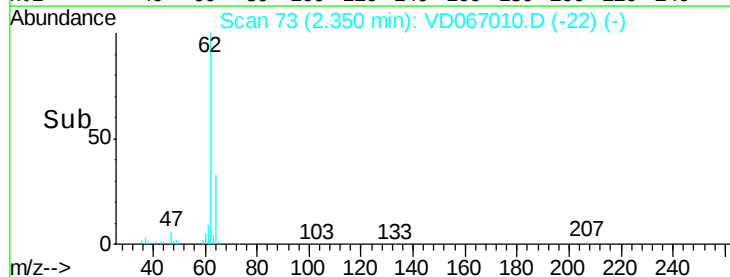
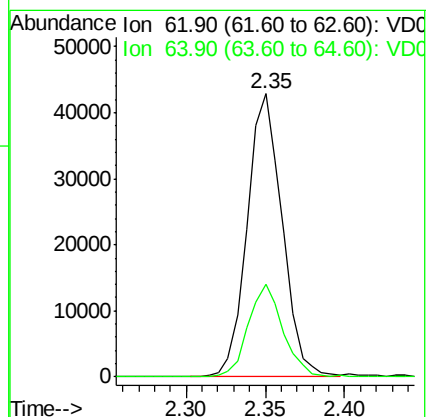
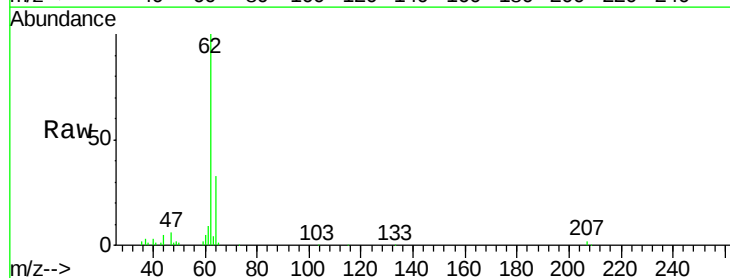
Acq: 02 Oct 2020 00:35

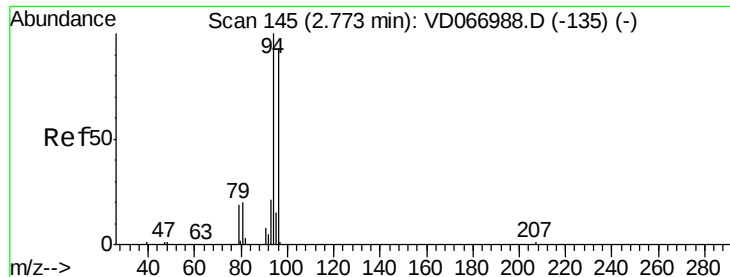
Tgt Ion: 62 Resp: 65722

Ion Ratio Lower Upper

62 100

64 32.8 25.8 38.8





#5

Bromomethane

Concen: 23.144 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS02

Tot Ion: 94 Resp: 54577

Ion Ratio Lower Upper

94 100

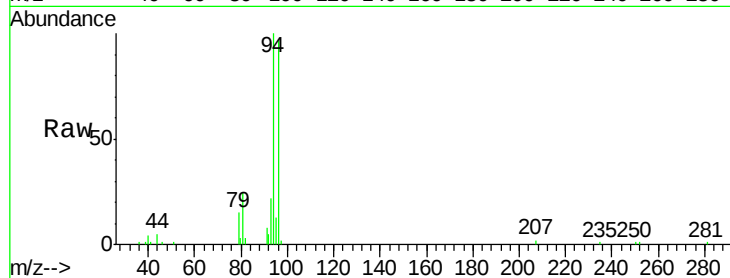
96 96.7 74.6 112.0

Manual Integrations

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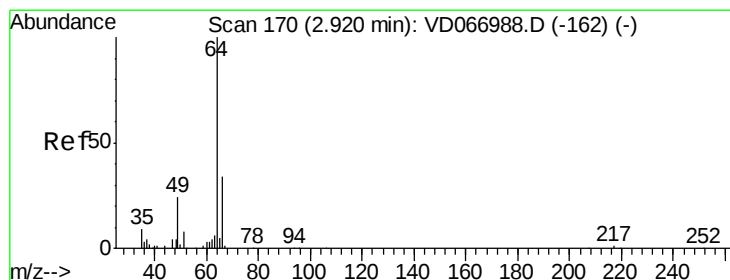
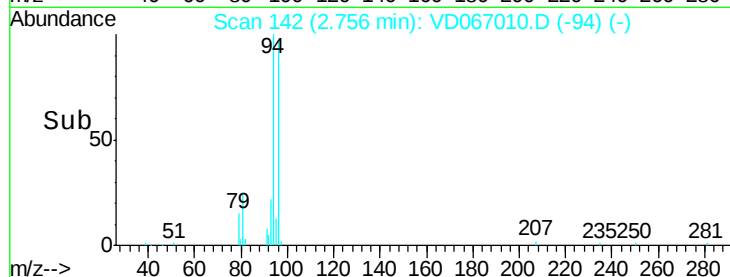
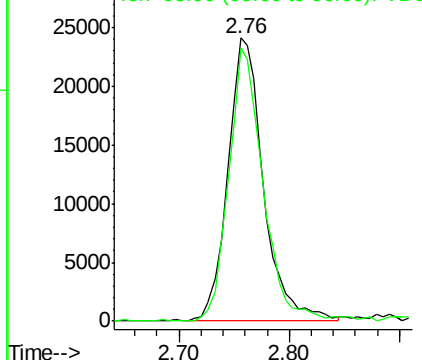
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.826 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067010.D

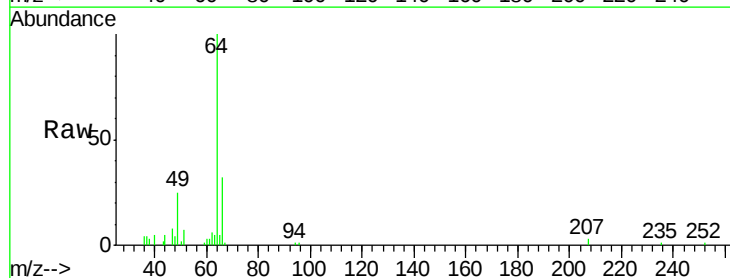
Acq: 02 Oct 2020 00:35

Tgt Ion: 64 Resp: 42162

Ion Ratio Lower Upper

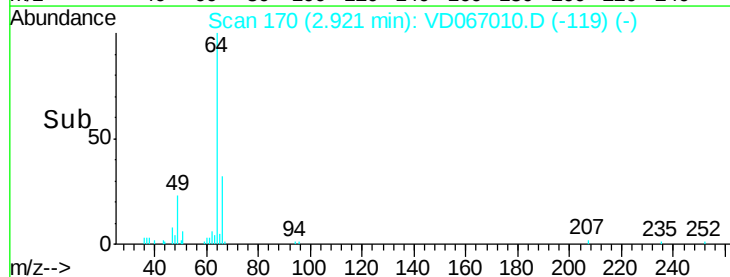
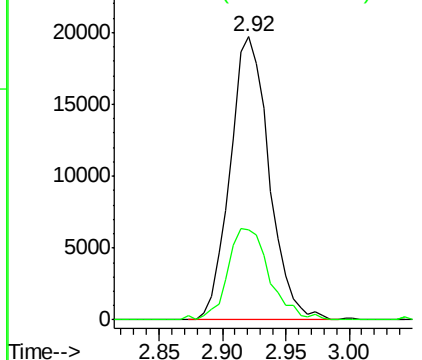
64 100

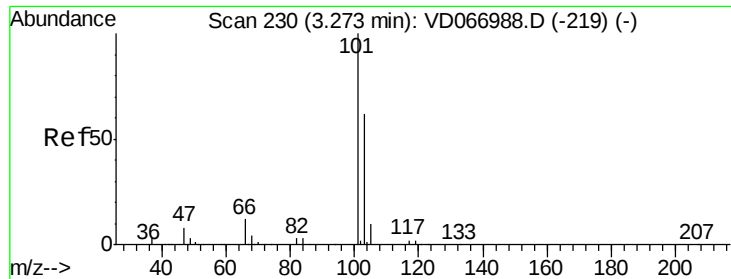
66 31.8 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

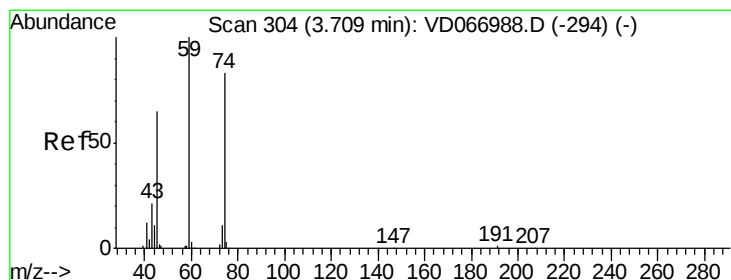
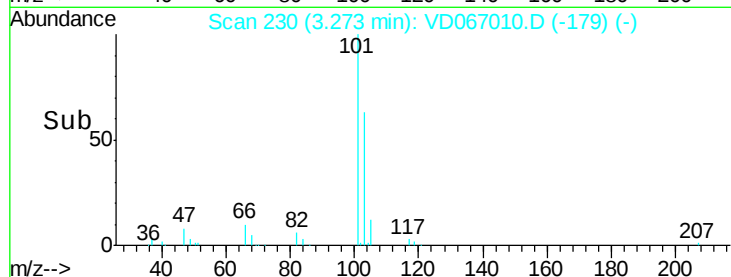
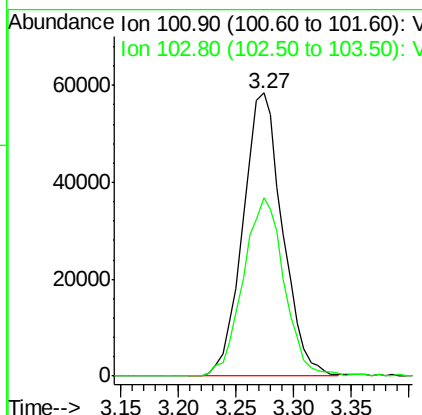
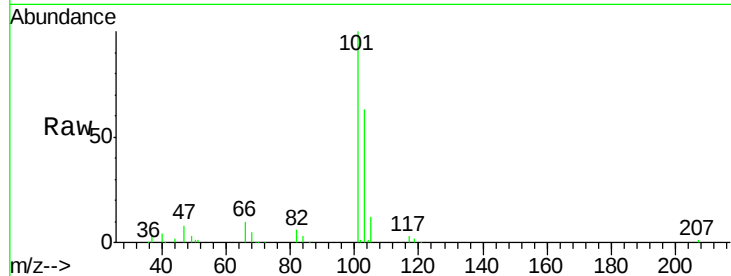
Trichlorofluoromethane
Concen: 18.901 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	139595		
103	63.1	49.8	74.8	

Manual Integrations
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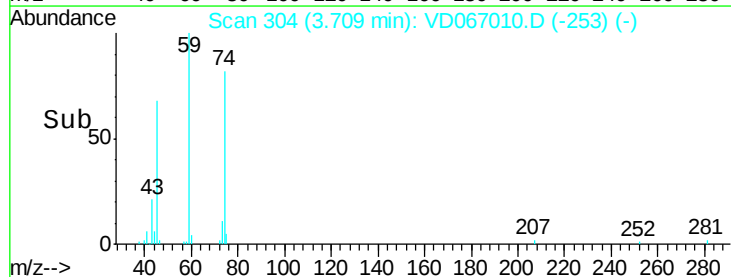
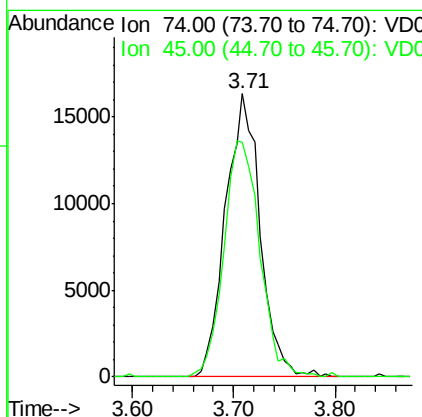
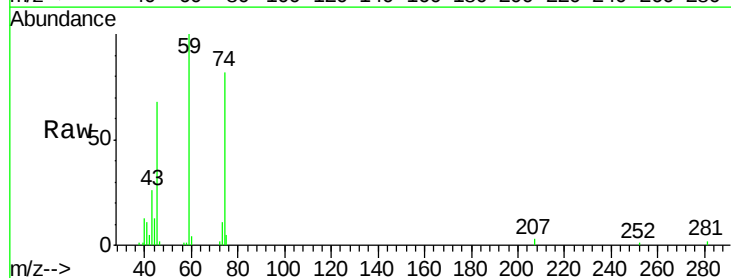
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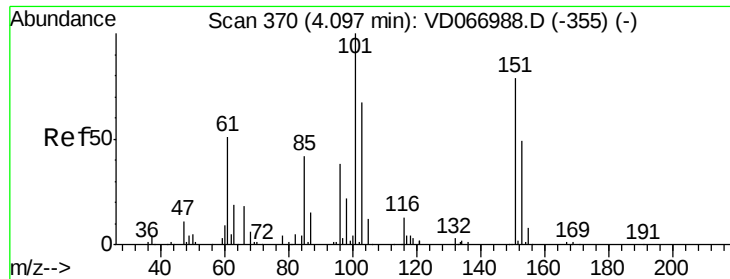


#8

Diethyl Ether
Concen: 21.128 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	38696		
45	86.9	43.1	129.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.388 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

Instrument :

MSVOA_D

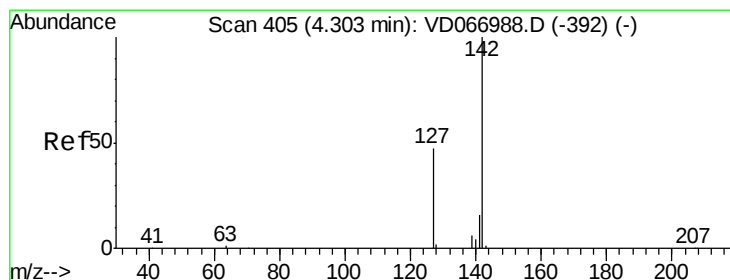
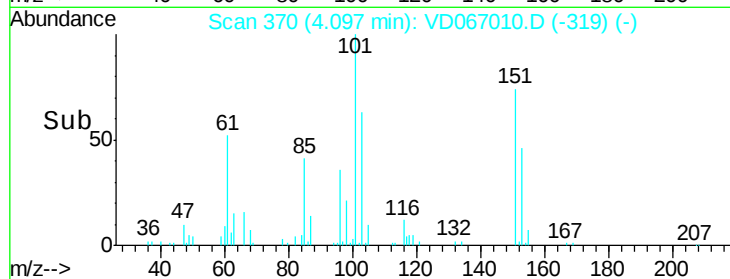
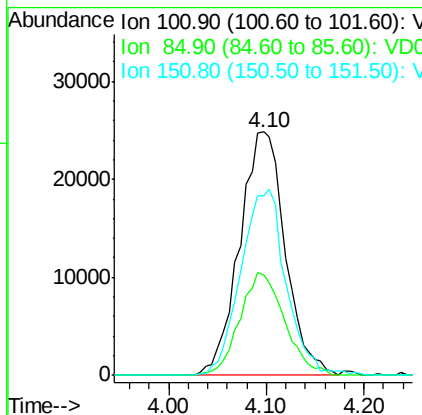
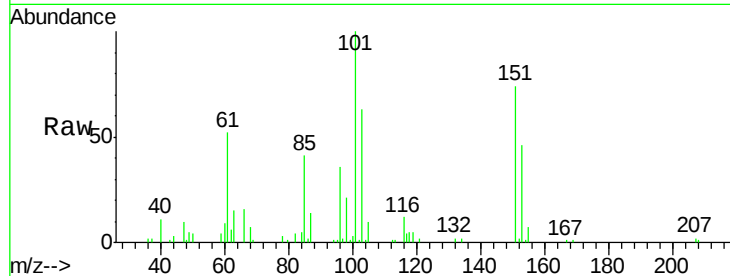
ClientSampleId :

VD1001SBS02

Tot Ion:	101	Resp:	80937
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.8	50.8
151	76.1	63.8	95.8

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10/2/2020 3:13:41 PM



#10

Methyl Iodide

Concen: 19.913 ug/l

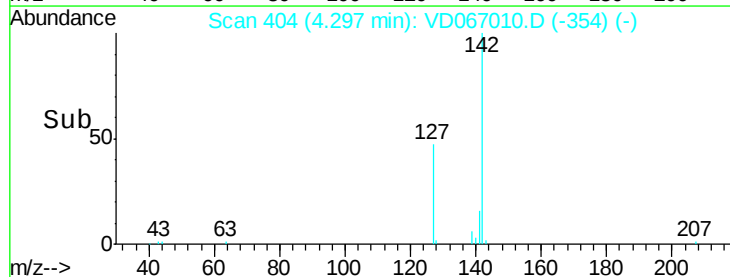
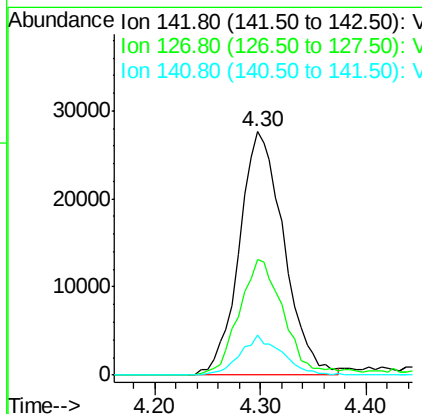
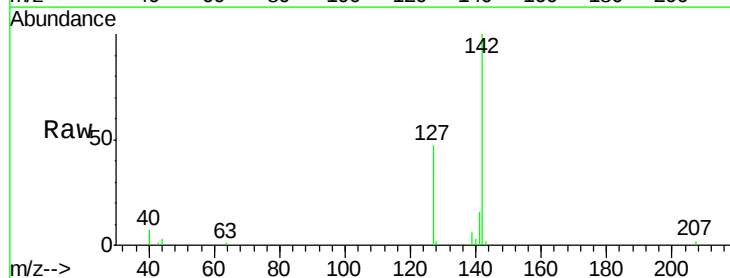
RT: 4.30 min Scan# 404

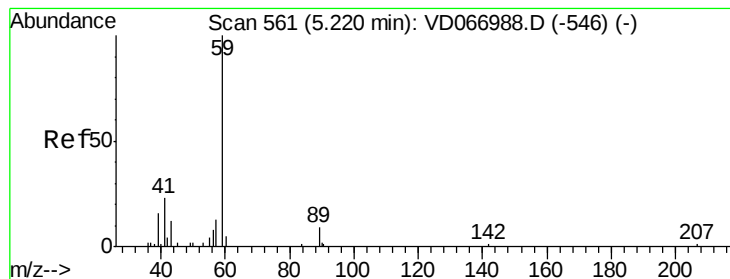
Delta R.T. -0.01 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

Tgt Ion:	142	Resp:	80772
Ion Ratio	Lower	Upper	
142	100		
127	48.0	36.3	54.5
141	15.2	12.0	18.0





#11

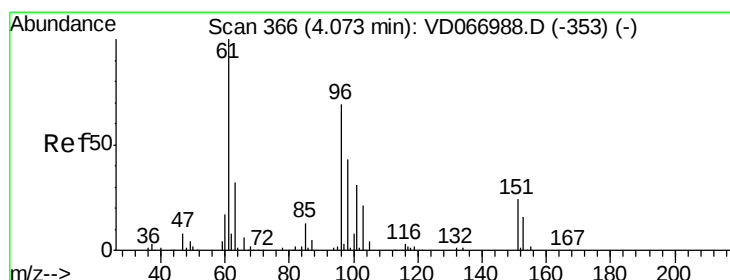
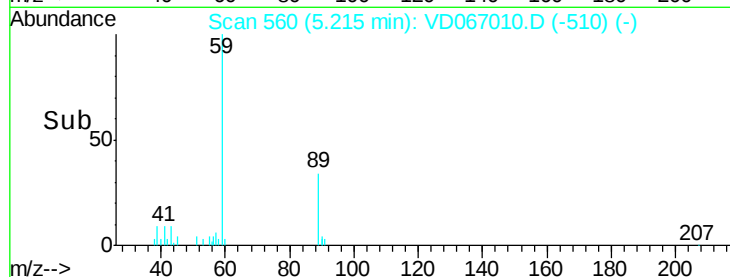
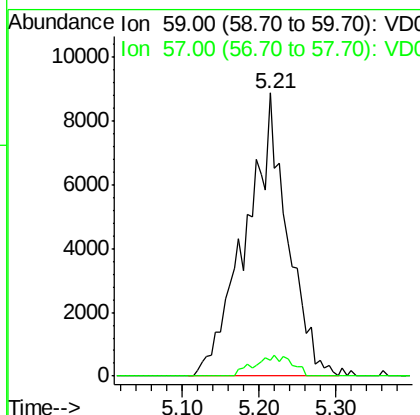
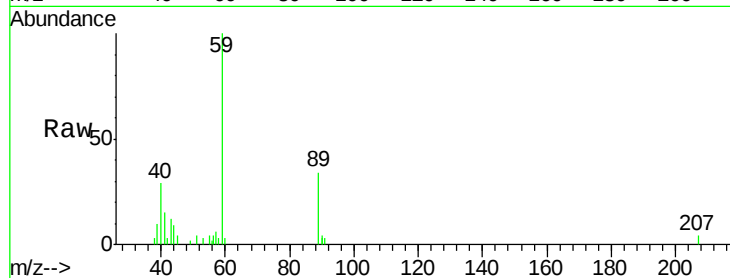
Tert butyl alcohol
 Concen: 116.558 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD067010.D
 Acq: 02 Oct 2020 00:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.3	8.2	12.4#

Manual Integrations
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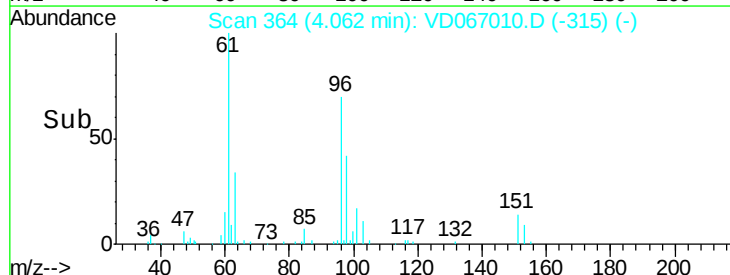
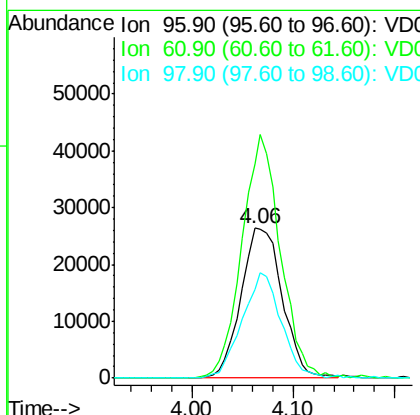
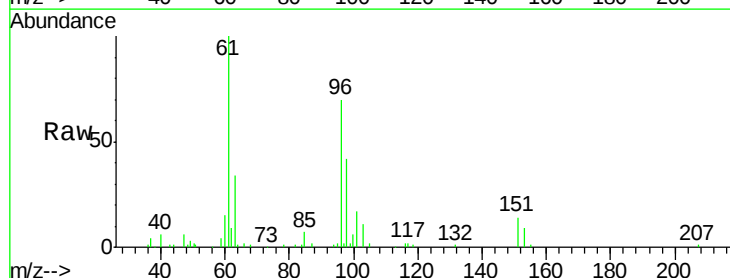
MMDadoda
 10/2/2020 3:13:41 PM

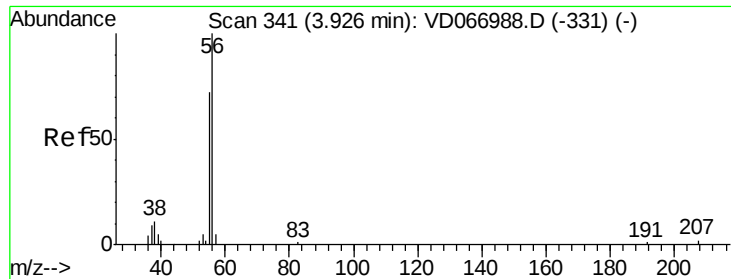


#12

1,1-Dichloroethene
 Concen: 19.073 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD067010.D
 Acq: 02 Oct 2020 00:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.4	116.4	174.6
98	59.5	49.9	74.9





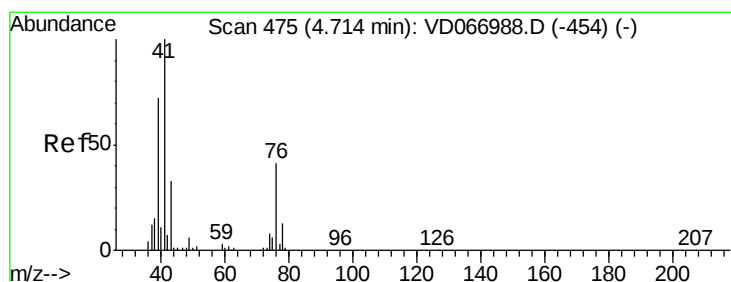
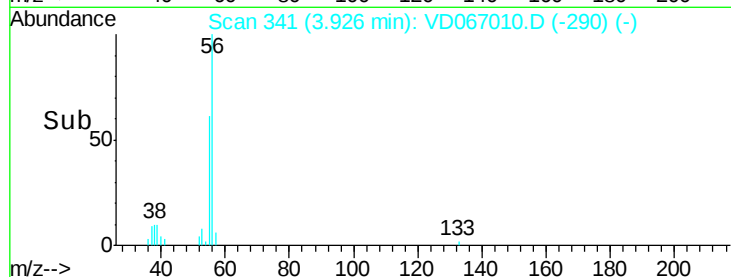
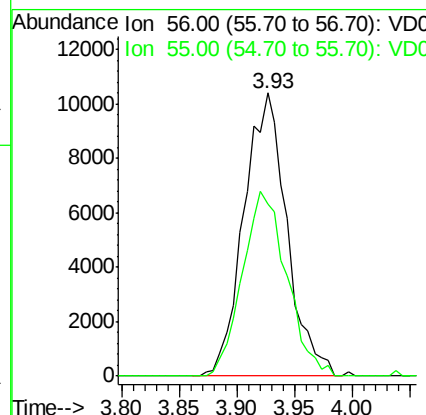
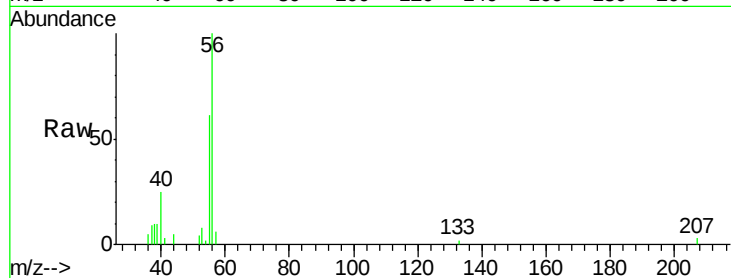
#13
Acrolein
Concen: 100.530 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBSD02

Tot Ion	56	Resp	26992
Ion Ratio	Lower	Upper	
56	100		
55	67.2	56.9	85.3

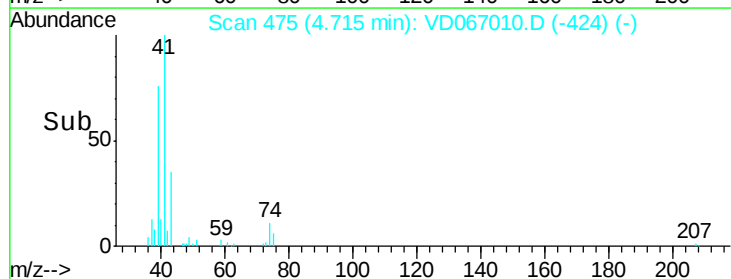
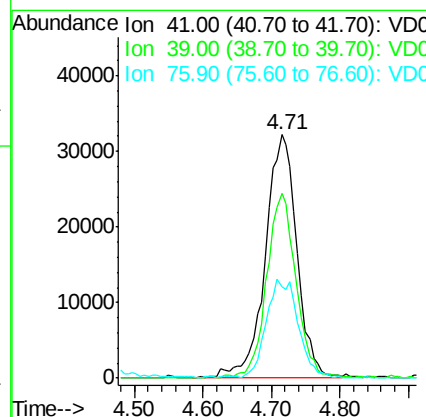
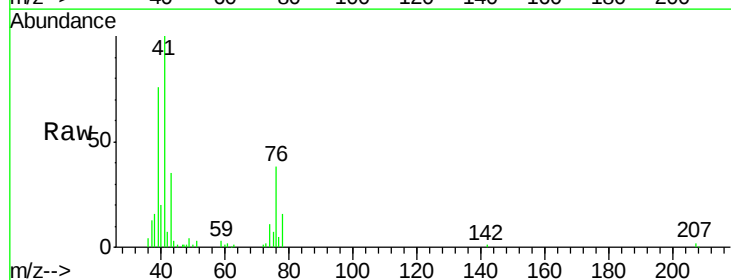
Manual Integrations
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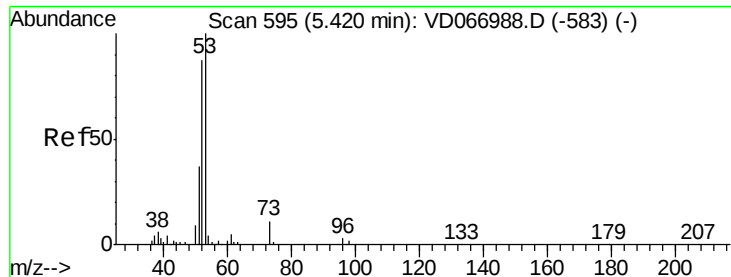
MMDadoda
10/2/2020 3:13:41 PM



#14
Allyl chloride
Concen: 20.297 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Tgt Ion	41	Resp	103474
Ion Ratio	Lower	Upper	
41	100		
39	70.7	56.2	84.2
76	41.0	34.2	51.2





#15

Acrylonitrile

Concen: 110.533 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

Instrument :

MSVOA_D

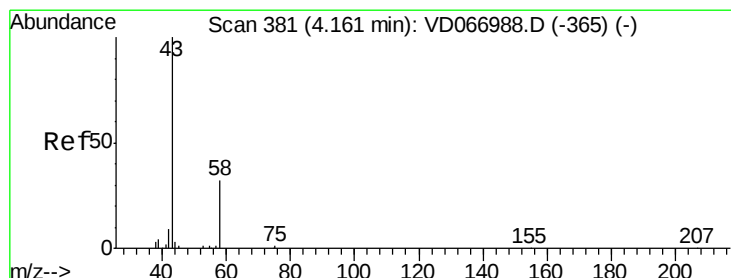
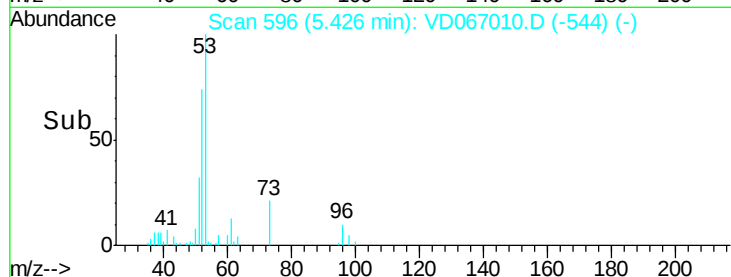
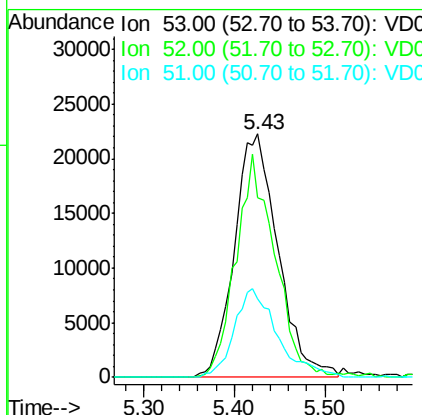
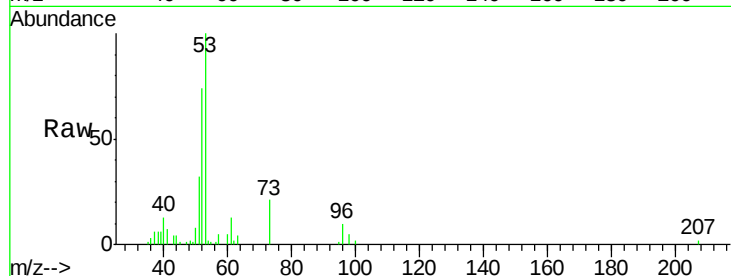
ClientSampleId :

VD1001SBS02

Tot Ion:	53	Resp:	74508
Ion	Ratio	Lower	Upper
53	100		
52	81.6	67.3	100.9
51	35.9	30.2	45.2

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10/2/2020 3:13:41 PM



#16

Acetone

Concen: 101.044 ug/l

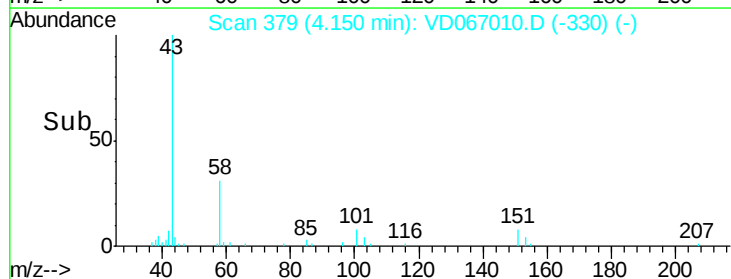
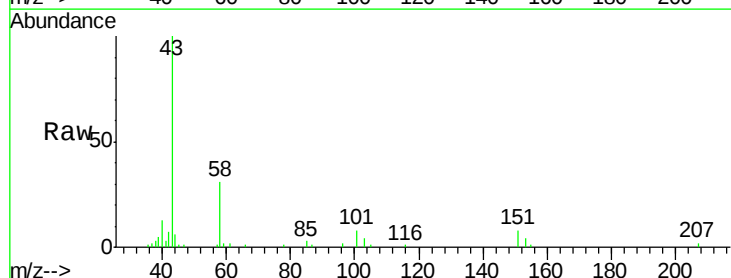
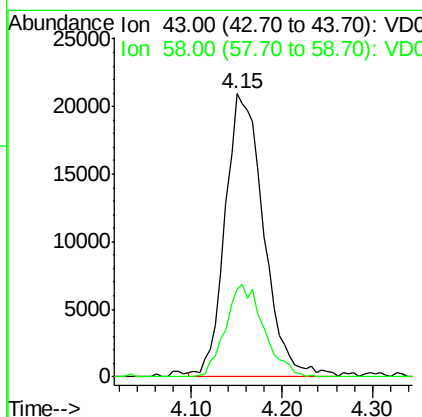
RT: 4.15 min Scan# 379

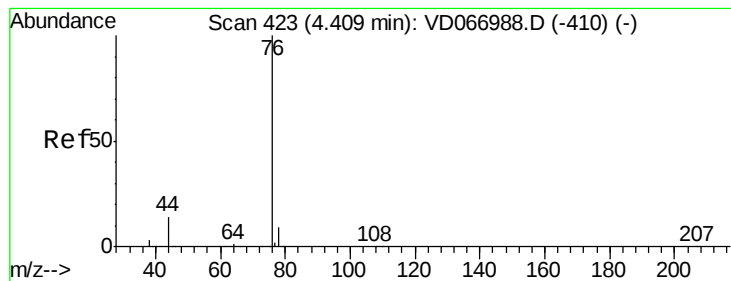
Delta R.T. -0.01 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

Tgt Ion:	43	Resp:	61849
Ion	Ratio	Lower	Upper
43	100		
58	31.0	25.9	38.9





#17

Carbon Disulfide

Concen: 20.451 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBSD02

Tot Ion: 76 Resp: 246307

Ion Ratio Lower Upper

76 100

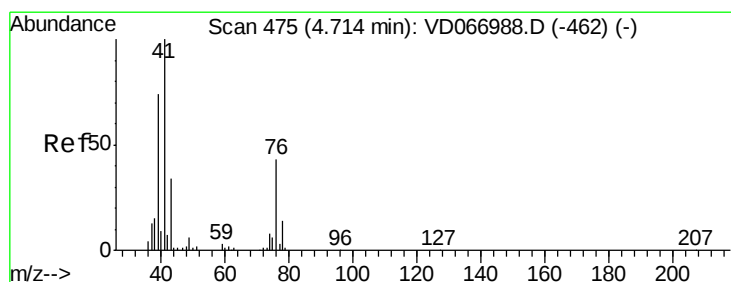
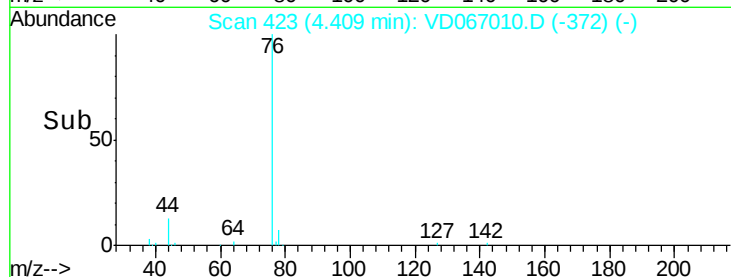
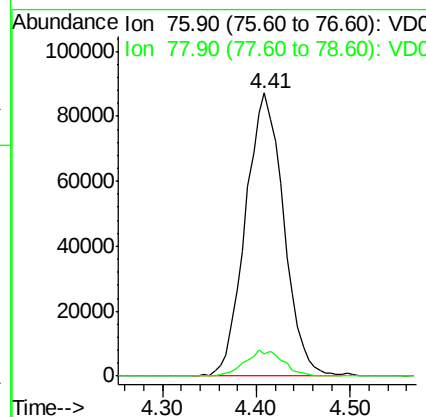
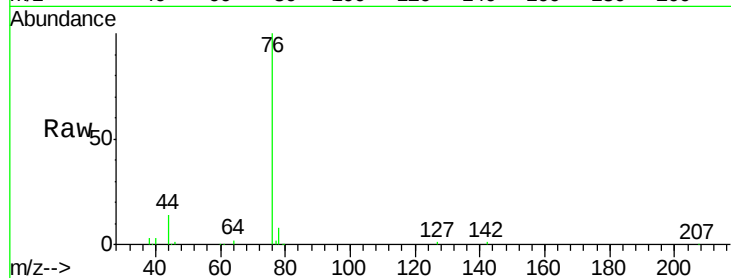
78 7.8 7.5 11.3

Manual Integrations

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10/2/2020 3:13:41 PM



#18

Methyl Acetate

Concen: 23.256 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067010.D

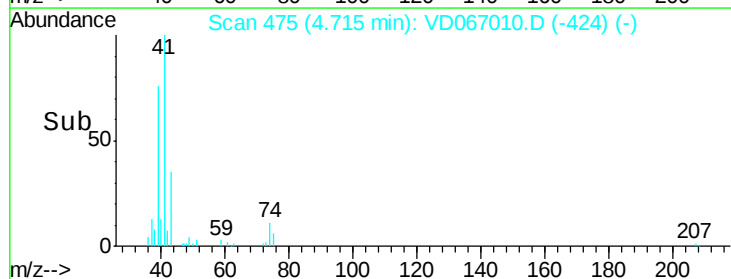
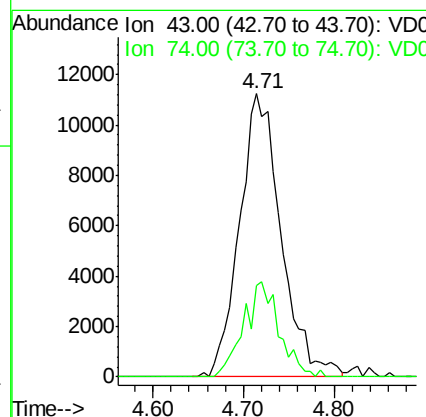
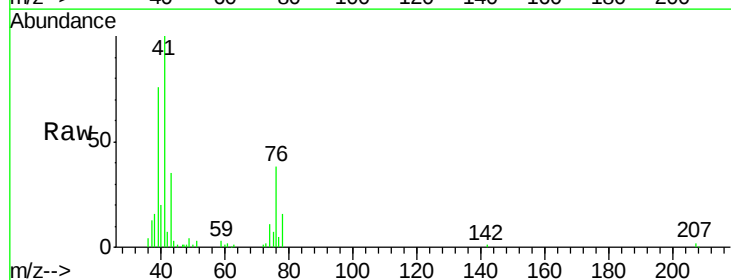
Acq: 02 Oct 2020 00:35

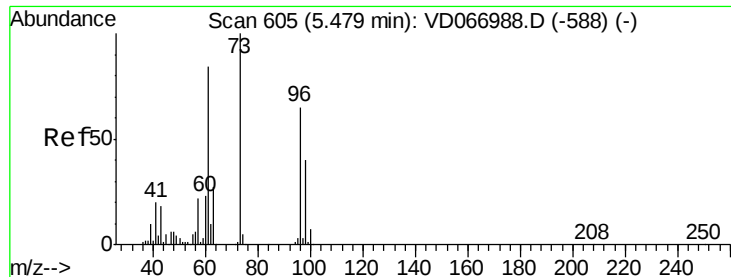
Tgt Ion: 43 Resp: 35778

Ion Ratio Lower Upper

43 100

74 28.4 21.5 32.3





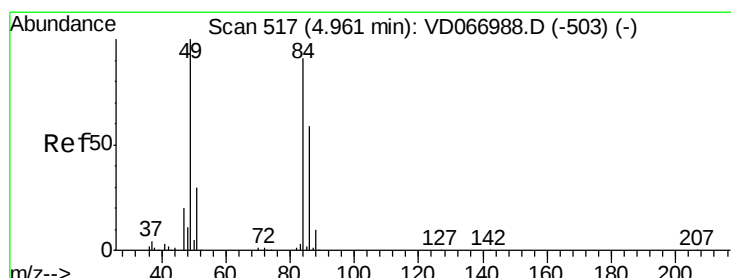
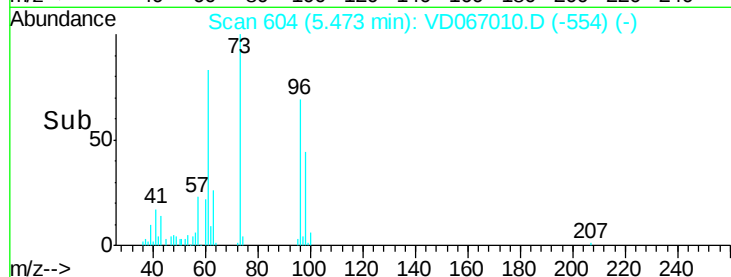
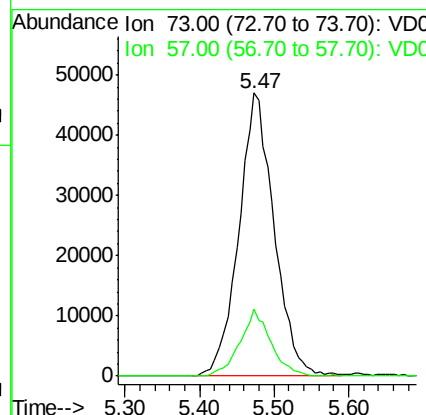
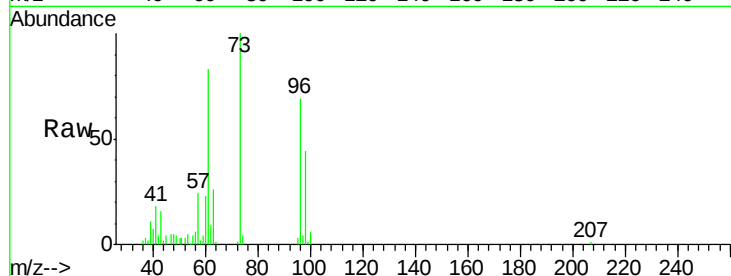
#19
Methvl tert-butvl Ether
Concen: 21.544 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBSD02

Tot Ion: 73 Resp: 154340
Ion Ratio Lower Upper
73 100
57 23.7 17.4 26.0

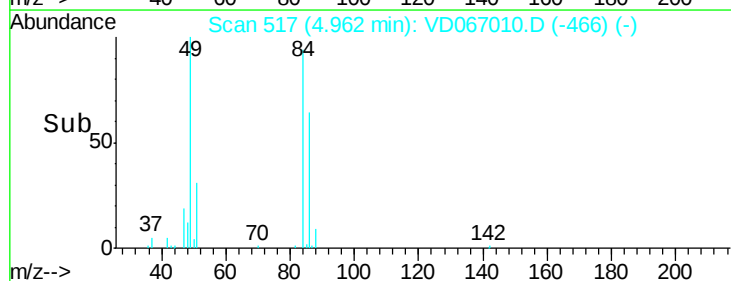
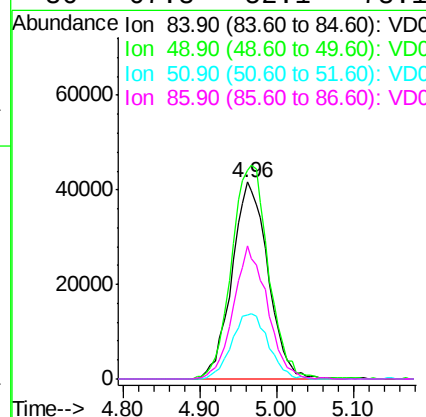
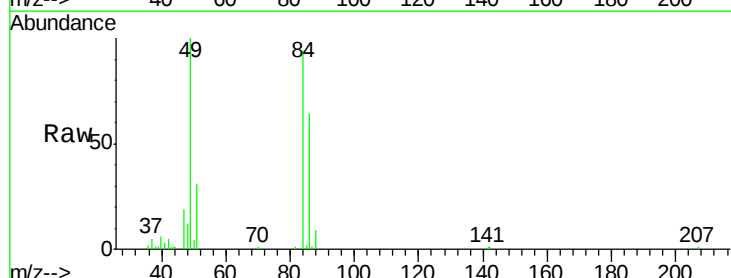
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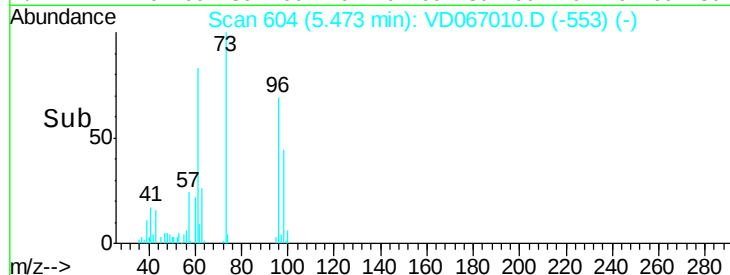
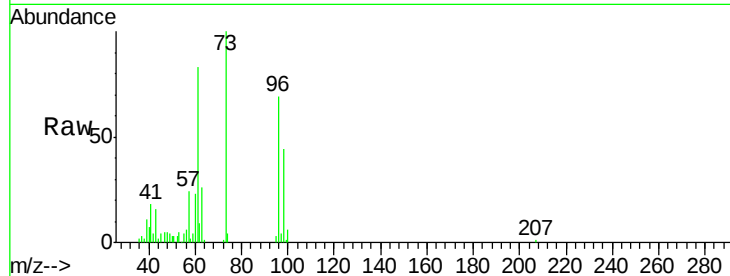
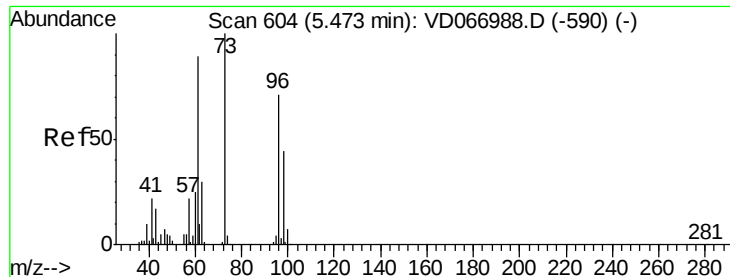
MMDadoda
10/2/2020 3:13:41 PM



#20
Methylene Chloride
Concen: 28.132 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Tgt Ion: 84 Resp: 136014
Ion Ratio Lower Upper
84 100
49 106.1 88.2 132.2
51 32.4 26.6 39.8
86 67.8 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 20.759 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067010.D

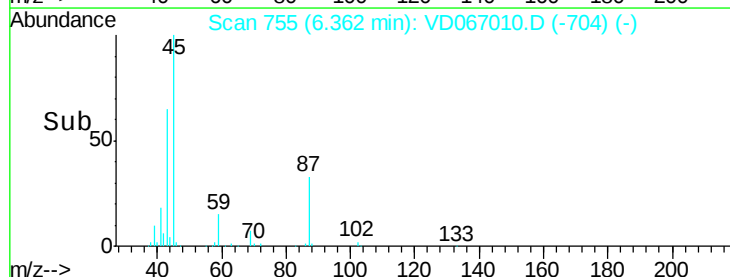
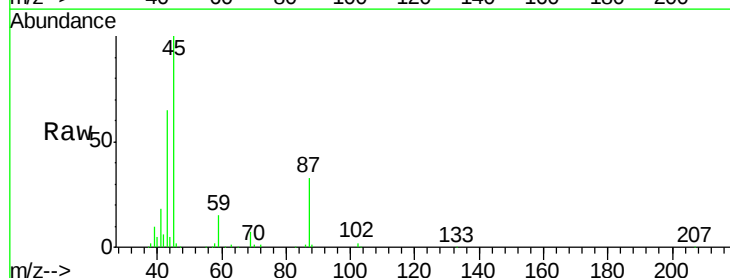
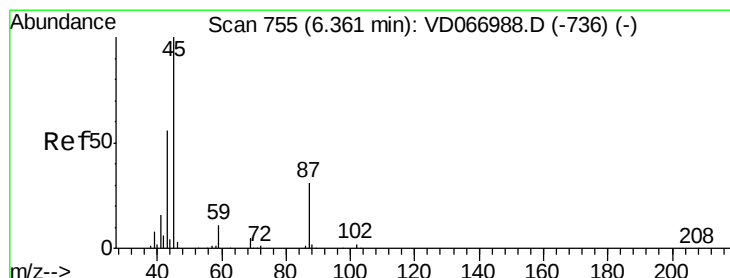
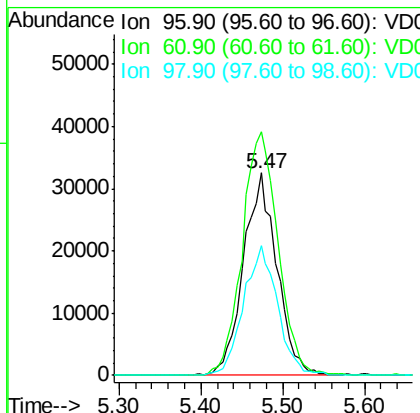
Acq: 02 Oct 2020 00:35

Tot Ion:	96	Resp:	92713
Ion	Ratio	Lower	Upper
96	100		
61	120.3	99.6	149.4
98	63.9	49.4	74.2

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBSD02

Manual Integrations
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MMDadoda
10/2/2020 3:13:41 PM



#22

Diisopropyl ether

Concen: 22.516 ug/l

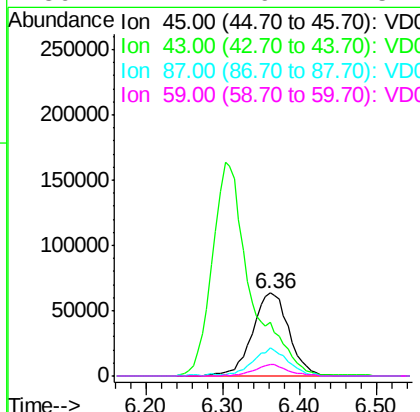
RT: 6.36 min Scan# 755

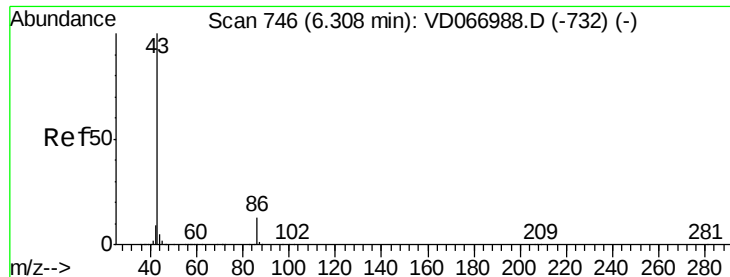
Delta R.T. 0.00 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

Tgt Ion:	45	Resp:	209564
Ion	Ratio	Lower	Upper
45	100		
43	63.6	45.2	67.8
87	32.8	25.6	38.4
59	14.1	9.1	13.7#





#23

Vinyl Acetate

Concen: 106.765 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS02

Tot Ion: 43 Resp: 563094

Ion Ratio Lower Upper

43 100

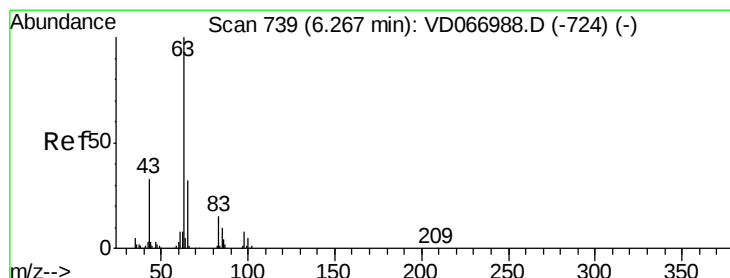
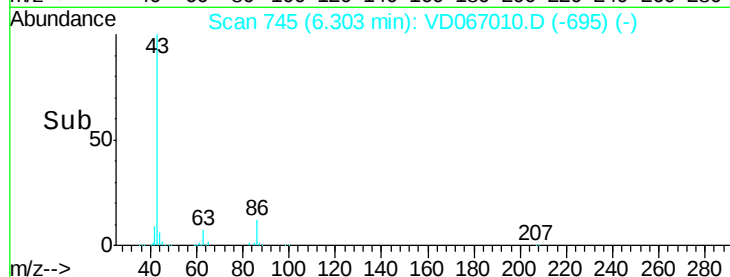
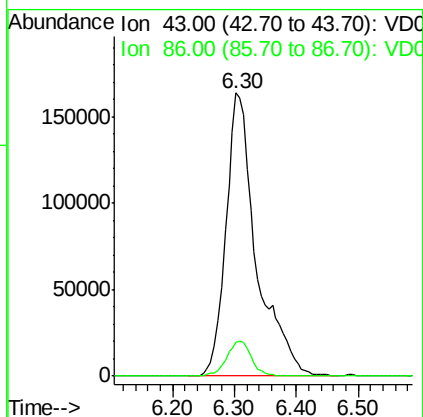
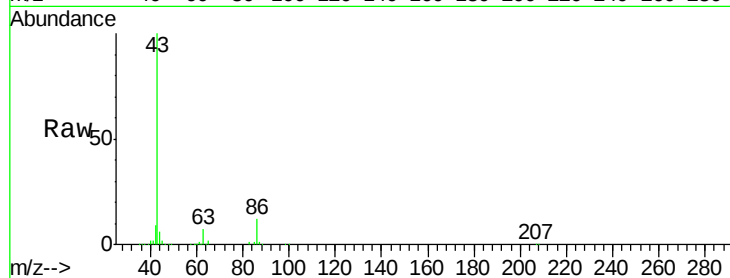
86 11.8 10.2 15.2

Manual Integrations

APPROVED

MMDadoda

10/2/2020 3:13:41 PM



#24

1,1-Dichloroethane

Concen: 21.535 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

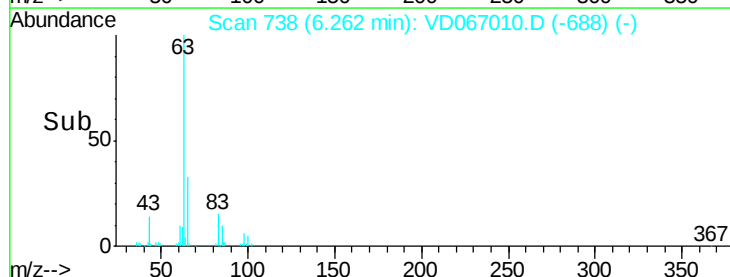
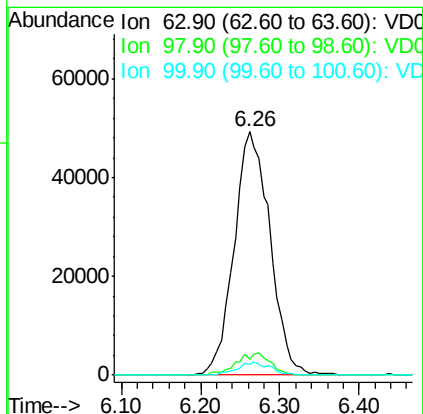
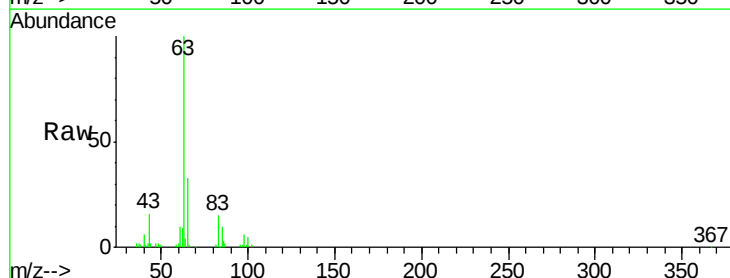
Tgt Ion: 63 Resp: 154681

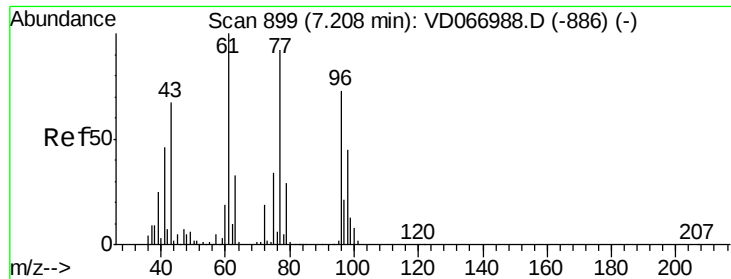
Ion Ratio Lower Upper

63 100

98 6.3 4.2 12.6

100 4.6 2.6 7.8





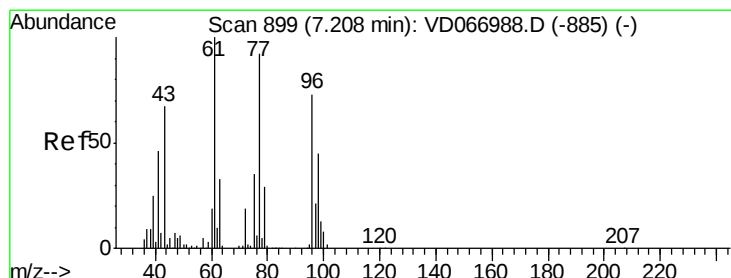
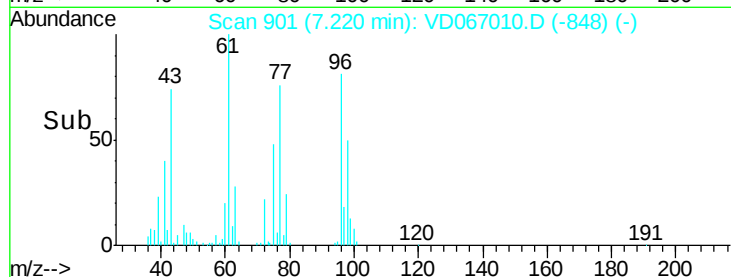
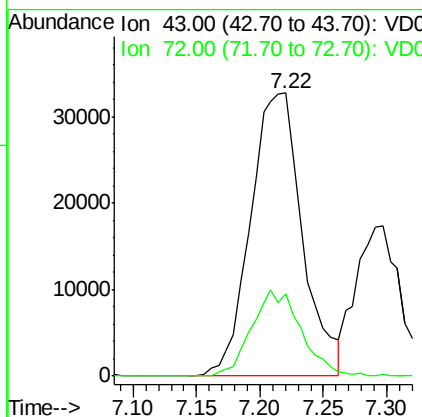
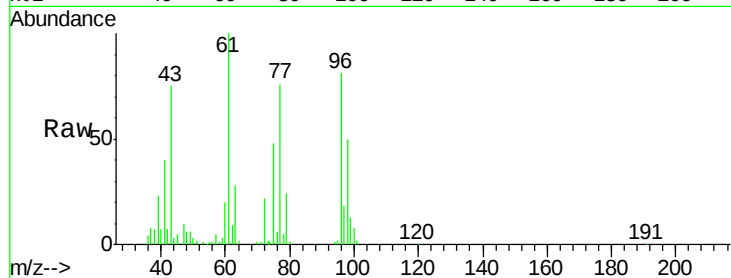
#25
2-Butanone
Concen: 107.310 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS02

Tot Ion: 43 Resp: 93125
Ion Ratio Lower Upper
43 100
72 29.2 22.8 34.2

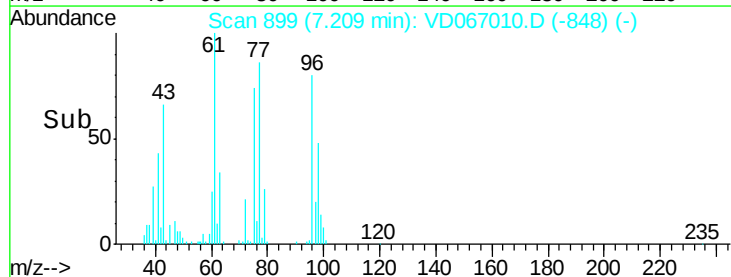
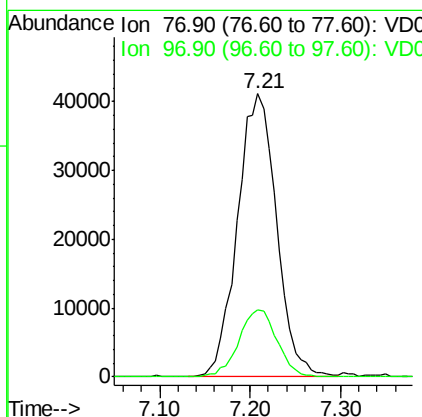
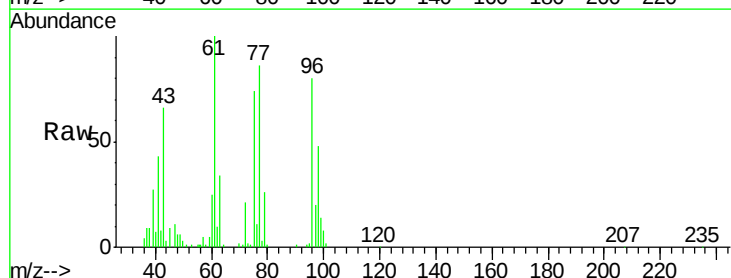
Manual Integrations
APPROVED

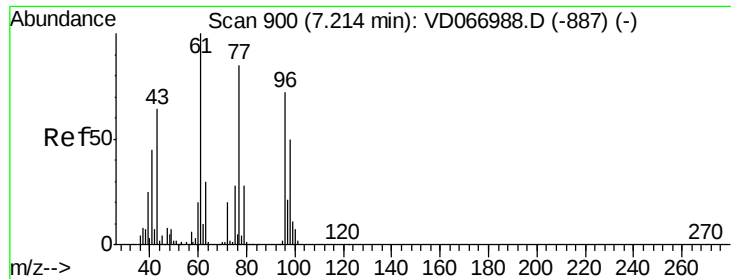
MMDadoda
10/2/2020 3:13:41 PM



#26
2,2-Dichloropropane
Concen: 17.373 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Tgt Ion: 77 Resp: 123241
Ion Ratio Lower Upper
77 100
97 23.1 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 22.134 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

Instrument :

MSVOA_D

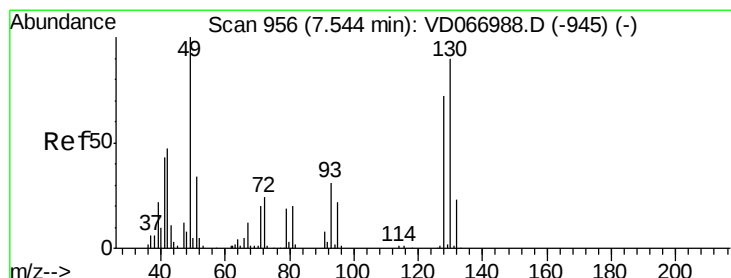
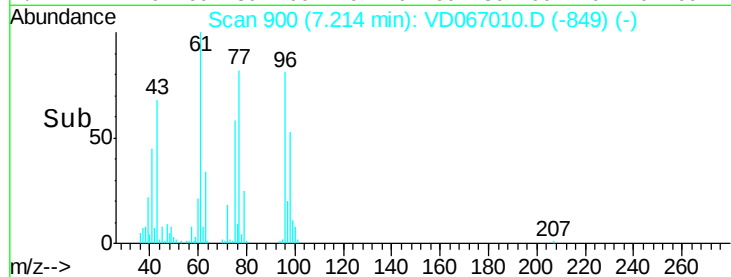
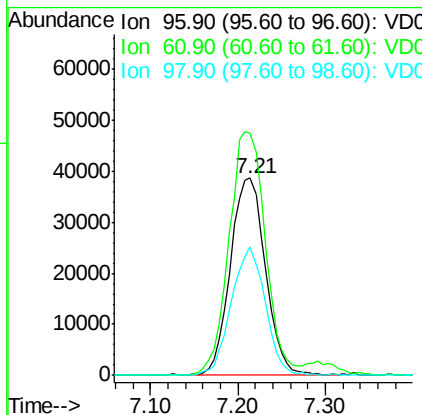
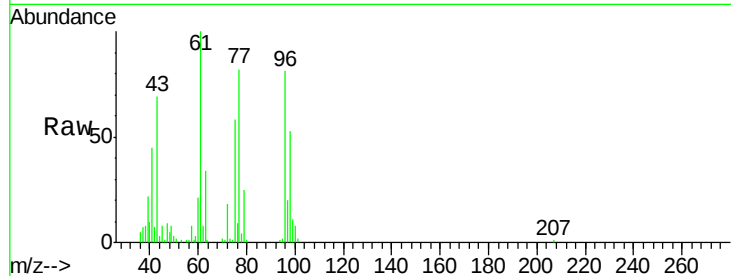
ClientSampleId :

VD1001SBS02

Tot Ion:	96	Resp:	105576
Ion	Ratio	Lower	Upper
96	100		
61	127.3	0.0	269.2
98	62.6	0.0	129.4

Manual Integrations
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10/2/2020 3:13:41 PM



#28

Bromochloromethane

Concen: 20.394 ug/l

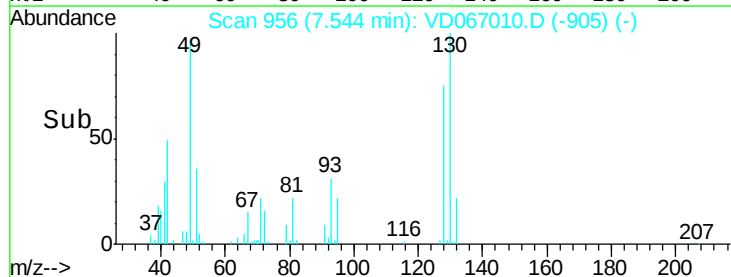
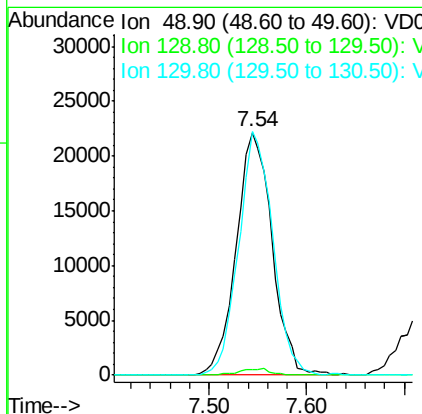
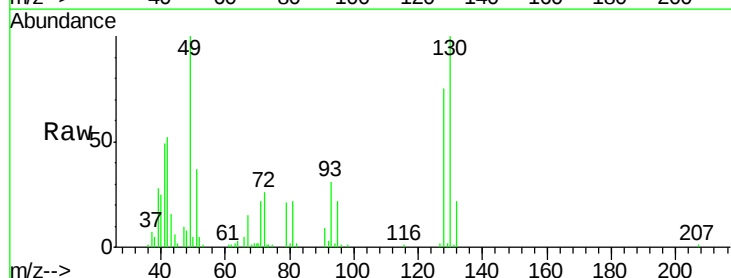
RT: 7.54 min Scan# 956

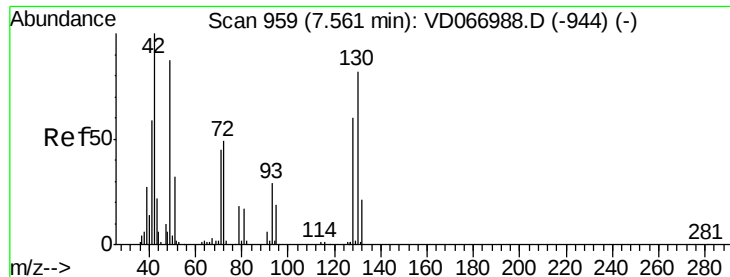
Delta R.T. 0.00 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

Tgt Ion:	49	Resp:	56573
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	95.5	74.1	111.1





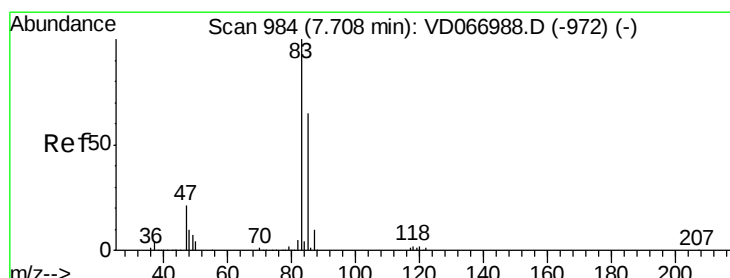
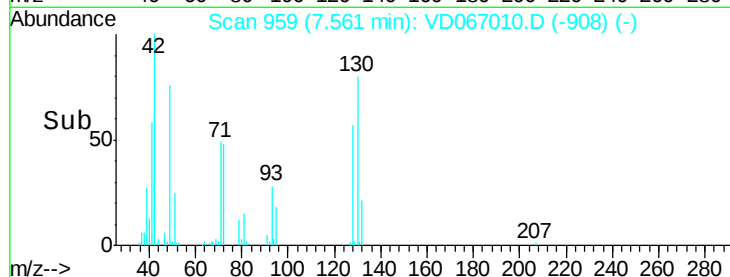
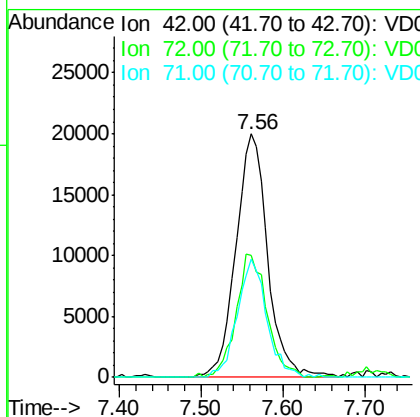
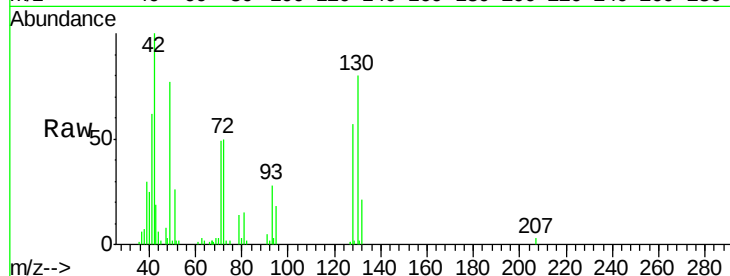
#29
Tetrahydrofuran
Concen: 108.237 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.2	39.1	58.7
71	44.9	34.2	51.4

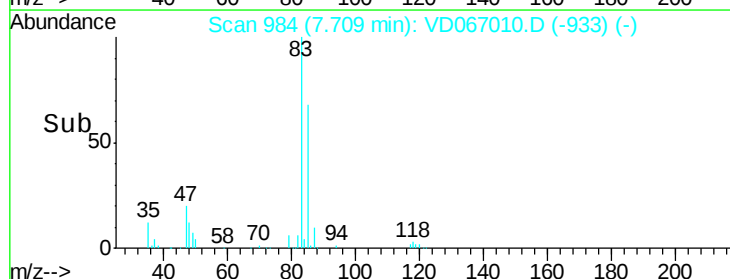
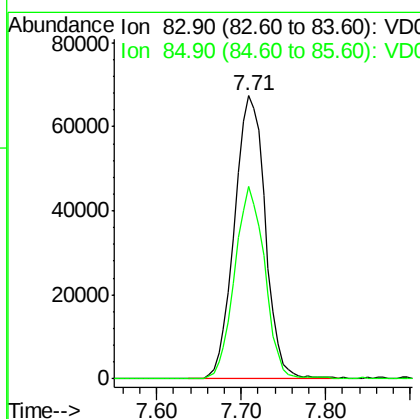
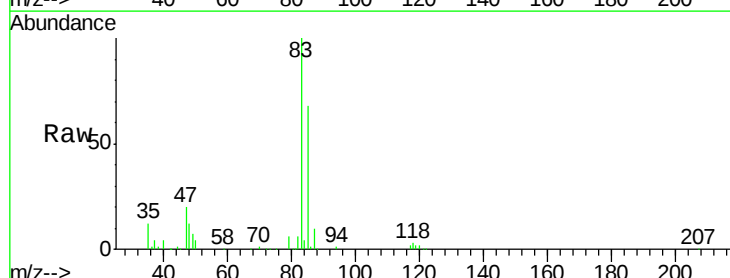
Manual Integrations
APPROVED

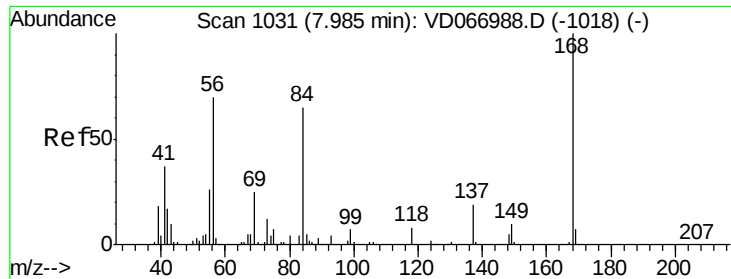
MMDadoda
10/2/2020 3:13:41 PM



#30
Chloroform
Concen: 21.816 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.0	52.3	78.5





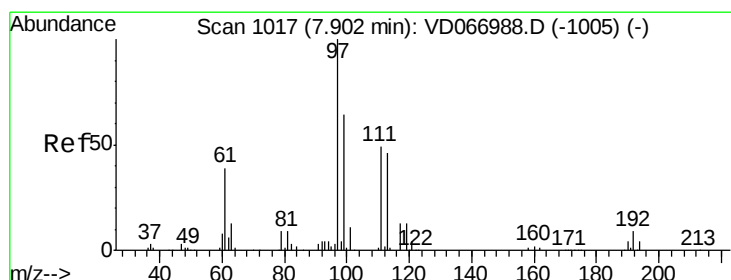
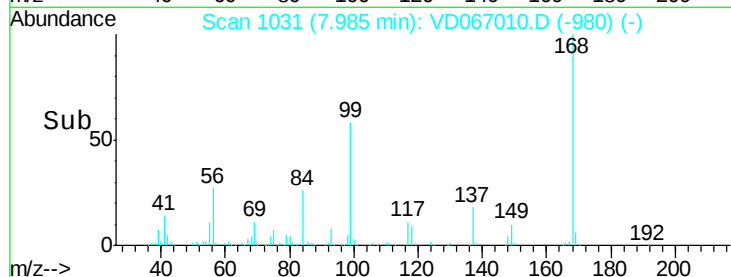
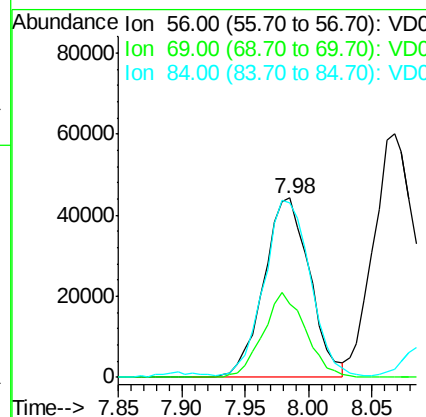
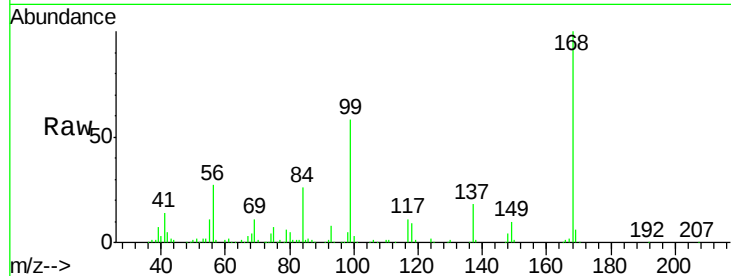
#31
Cyclohexane
Concen: 18.468 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS02

Tot Ion	Ratio	Resp	Lower	Upper
56	100	111215		
69	40.9	29.0	43.6	
84	94.7	74.2	111.2	

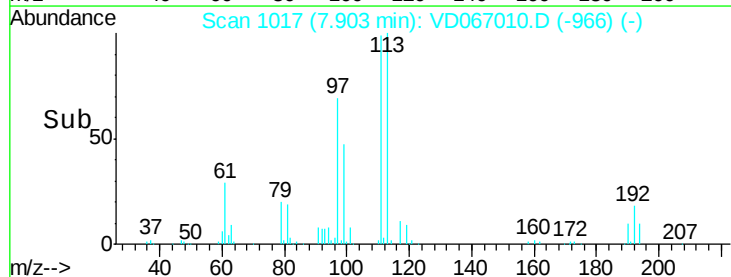
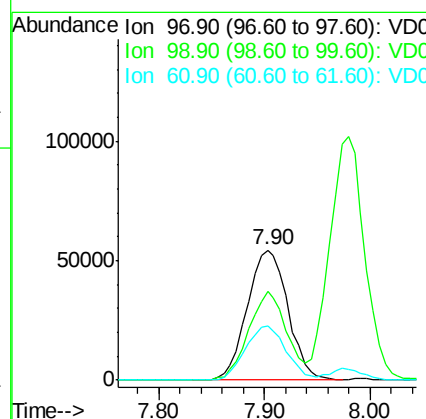
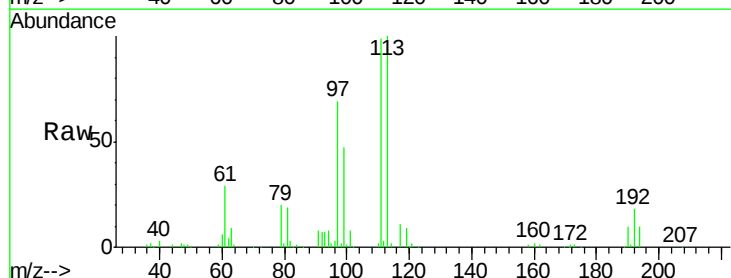
Manual Integrations
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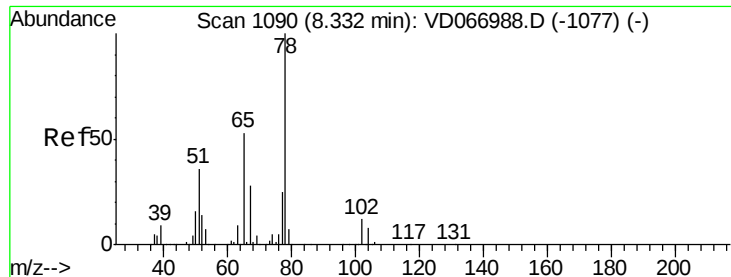
MMDadoda
10/2/2020 3:13:41 PM



#32
1,1,1-Trichloroethane
Concen: 20.161 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	145590		
99	64.0	52.6	78.8	
61	41.4	32.8	49.2	





#33

1,2-Dichloroethane-d4

Concen: 57.603 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS02

Tot Ion: 65 Resp: 230979

Ion Ratio Lower Upper

65 100

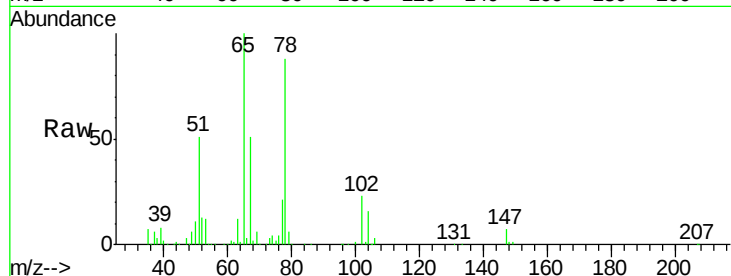
67 52.9 0.0 106.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

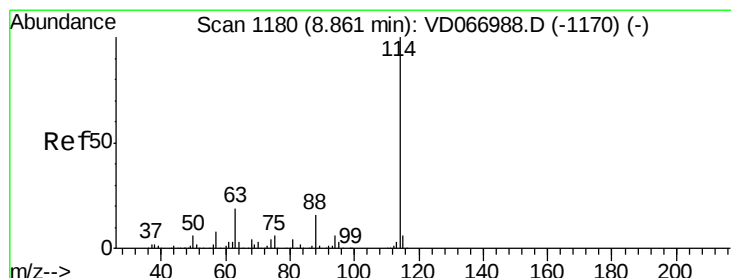
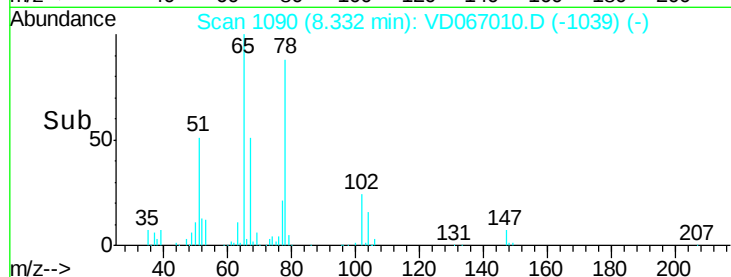
60000

40000

20000

0

Time--> 8.20 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

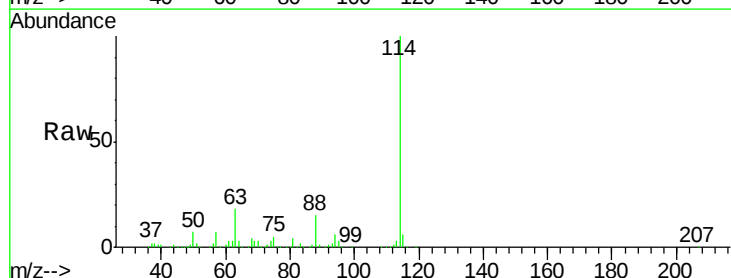
Tgt Ion: 114 Resp: 689884

Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

88 14.9 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.86

400000

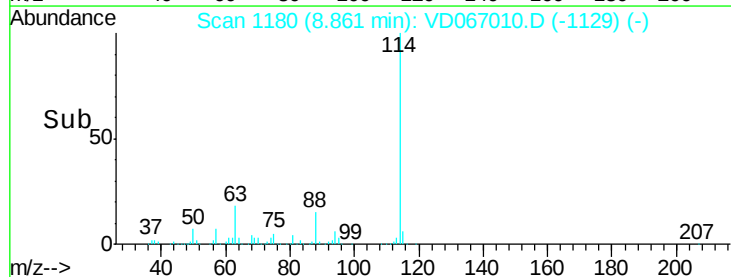
300000

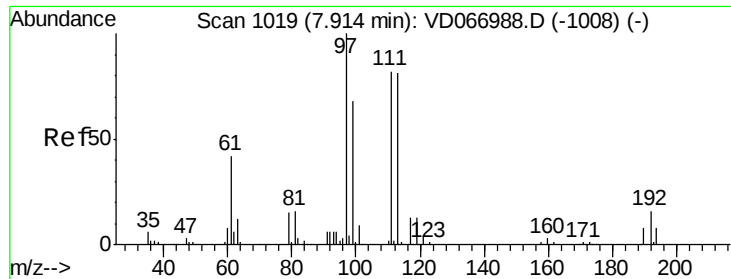
200000

100000

0

Time--> 8.75 8.80 8.85 8.90 8.95





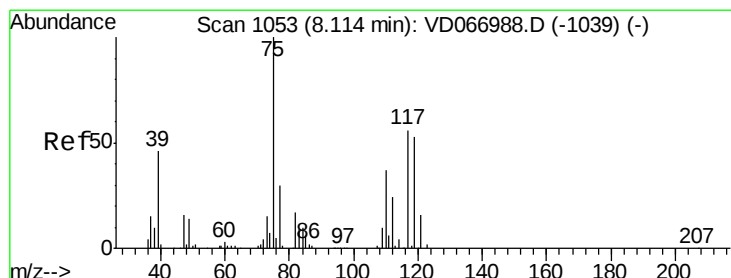
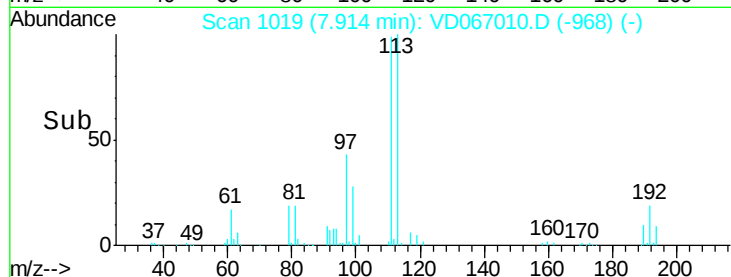
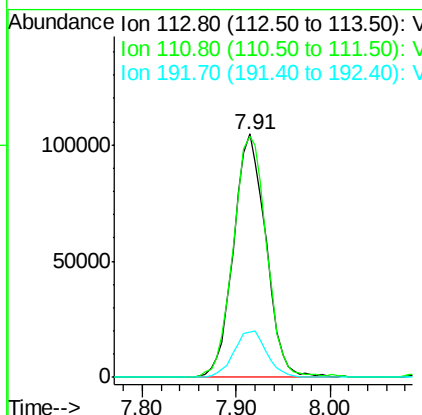
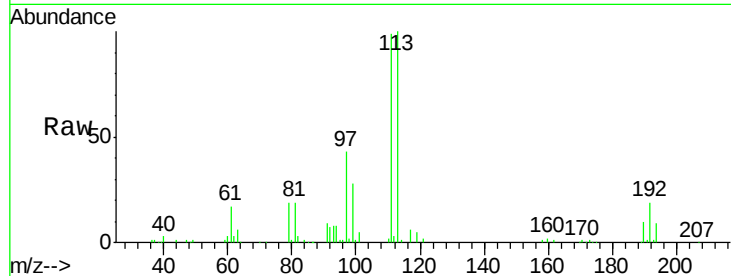
#35
Dibromofluoromethane
Concen: 55.227 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	249434		
111	102.7	83.0	124.4	
192	19.4	15.5	23.3	

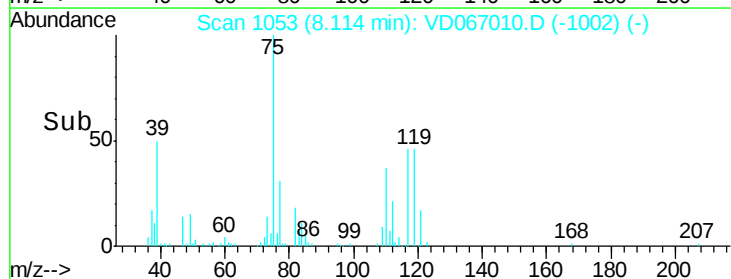
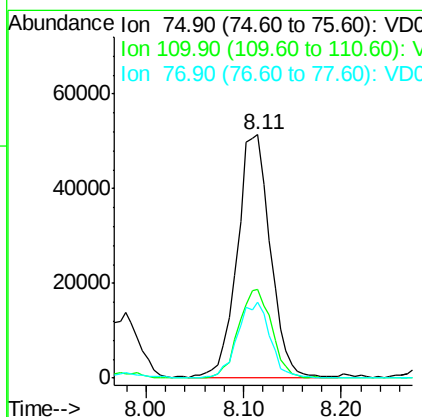
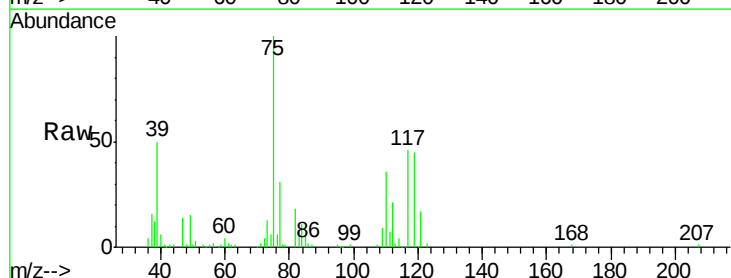
Manual Integrations
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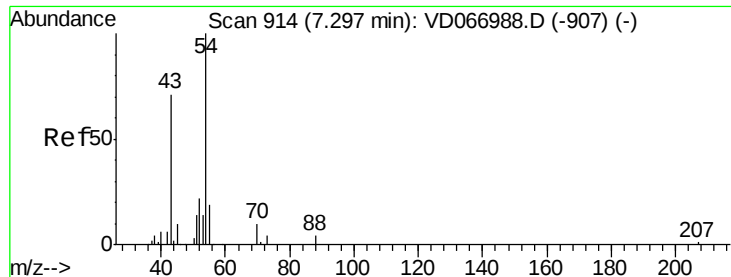
MMDadoda
10/2/2020 3:13:41 PM



#36
1,1-Dichloropropene
Concen: 19.008 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	122232		
110	36.1	18.4	55.0	
77	30.4	24.8	37.2	





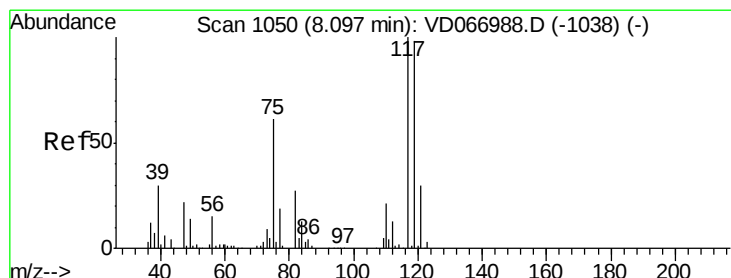
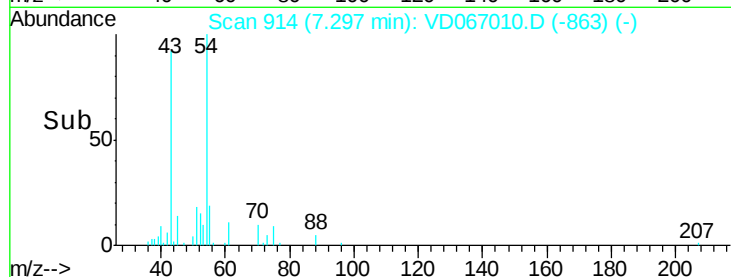
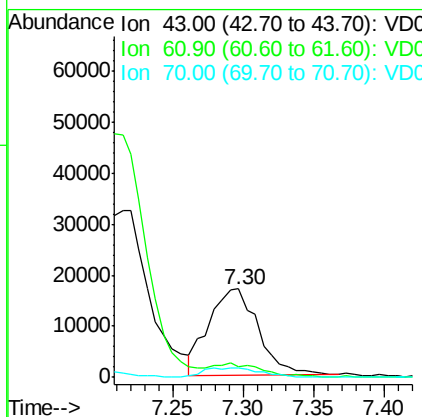
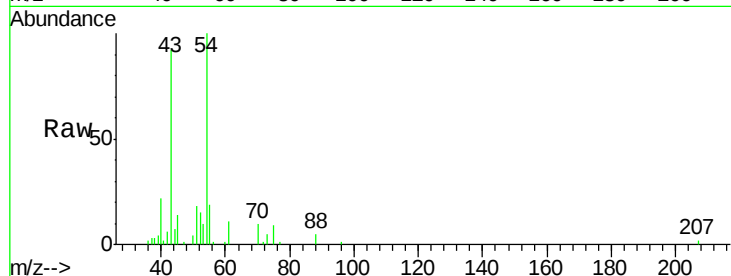
#37
Ethyl Acetate
Concen: 18.523 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	12.5	18.7
70	12.4	9.4	14.0

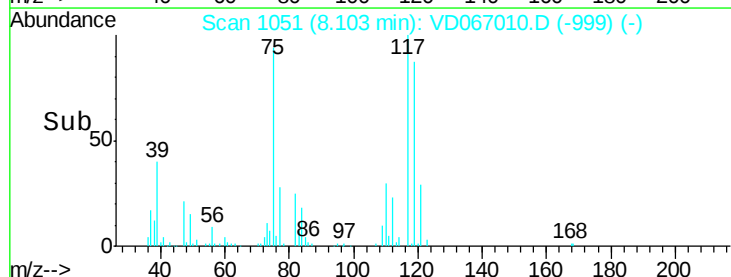
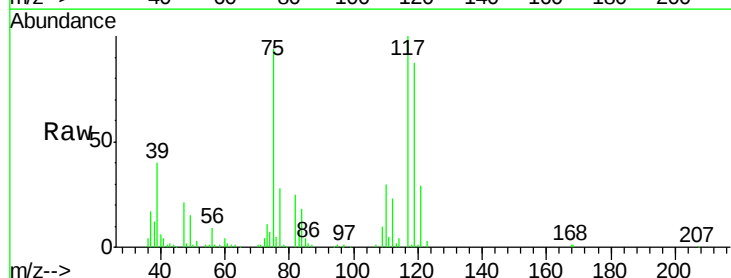
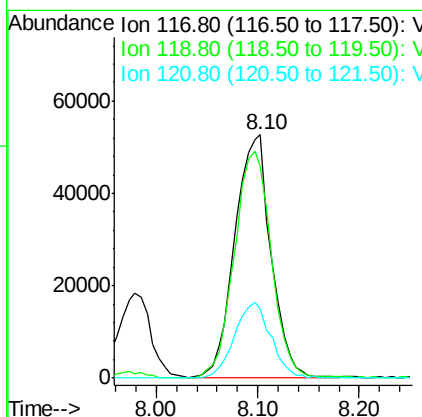
Manual Integrations
APPROVED

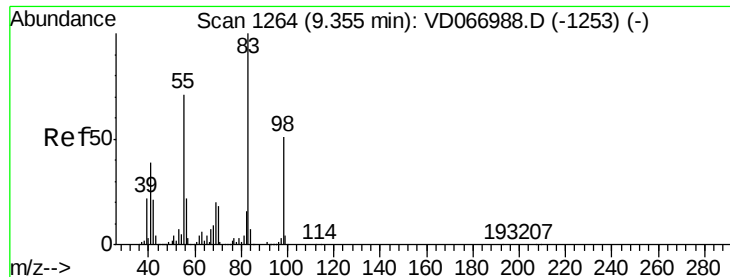
MMDadoda
10/2/2020 3:13:41 PM



#38
Carbon Tetrachloride
Concen: 18.844 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.0	78.7	118.1
121	28.6	24.2	36.2





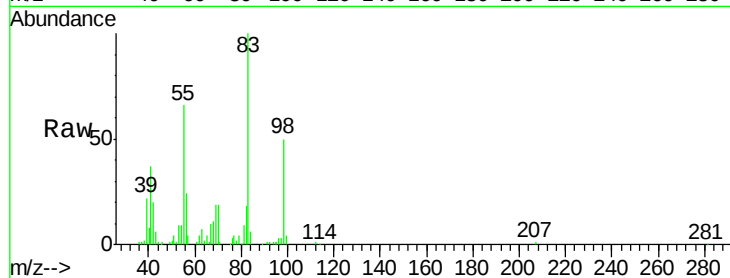
#39
Methvlcvclohexane
Concen: 17.705 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS02

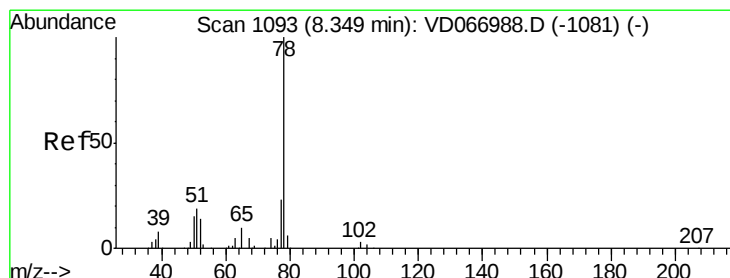
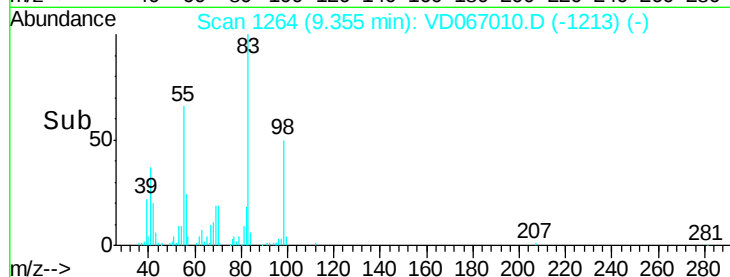
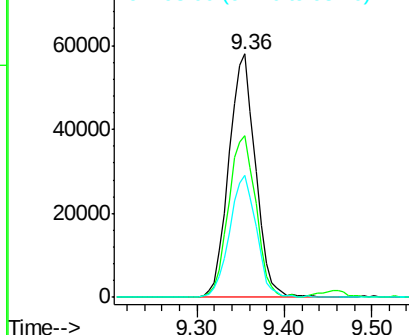
Tot Ion	Ratio	Lower	Upper
83	100		
55	66.4	57.1	85.7
98	50.1	40.9	61.3

Manual Integrations
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MMDadoda
10/2/2020 3:13:41 PM

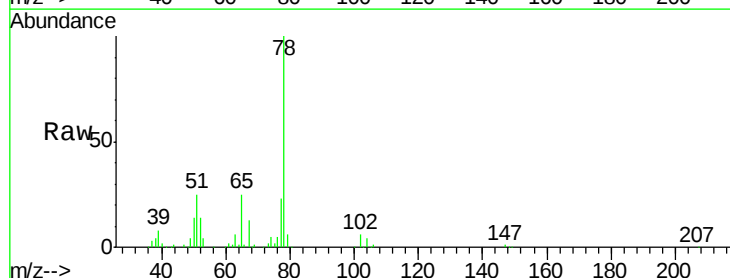


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

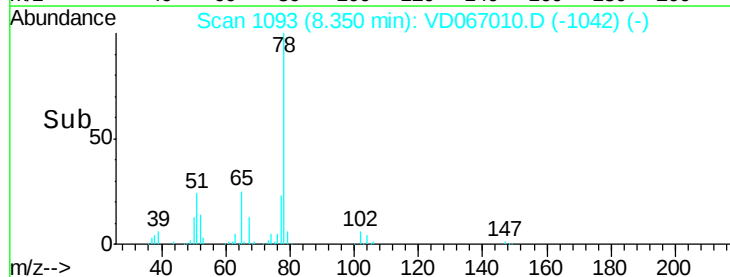
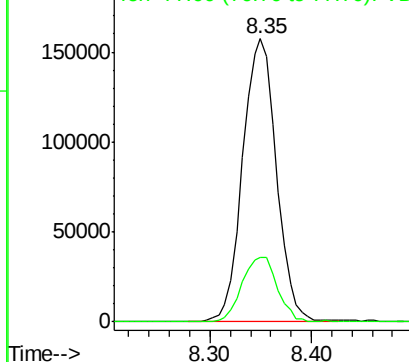


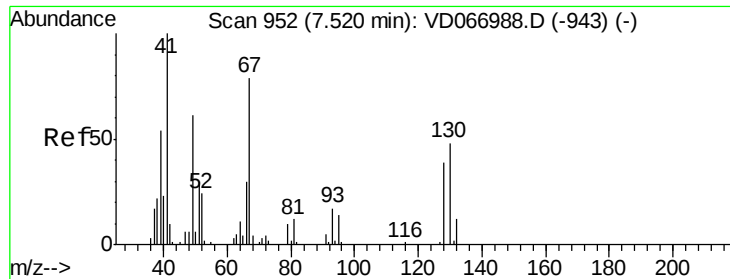
#40
Benzene
Concen: 20.301 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.4	27.6



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





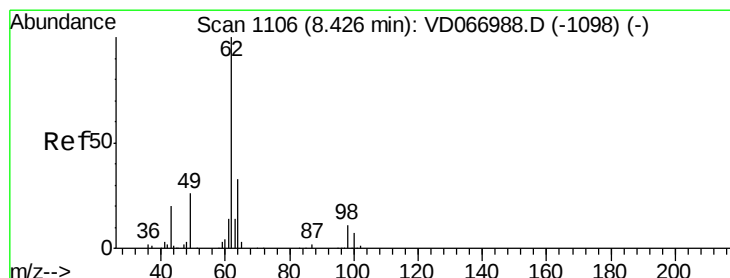
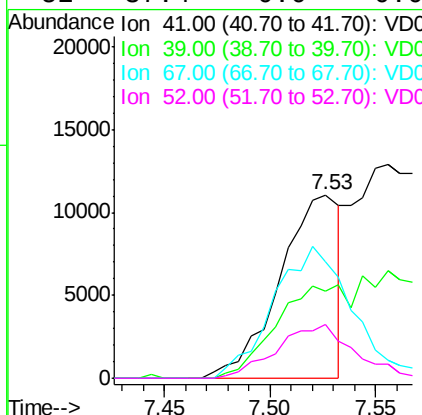
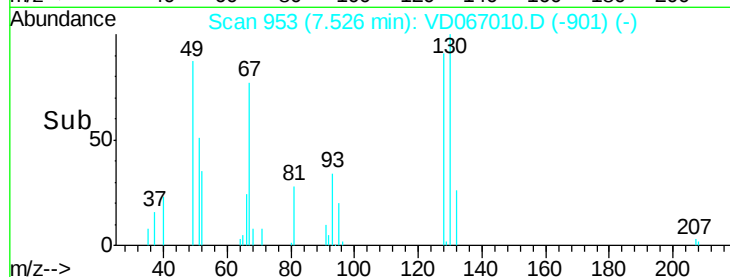
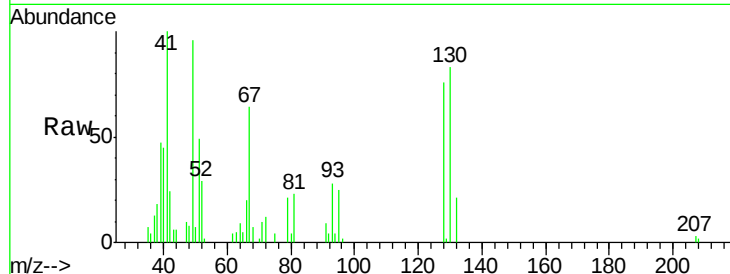
#41
Methacrylonitrile
Concen: 18.192 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.01 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.7	0.0	0.0#
67	94.5	0.0	0.0#
52	37.4	0.0	0.0#

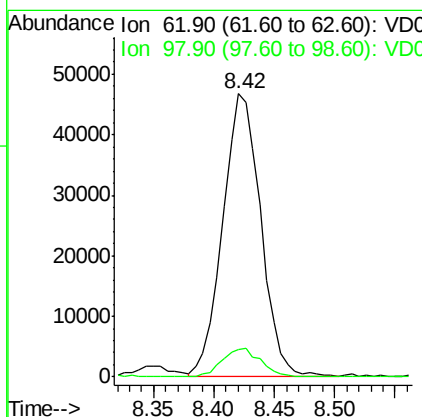
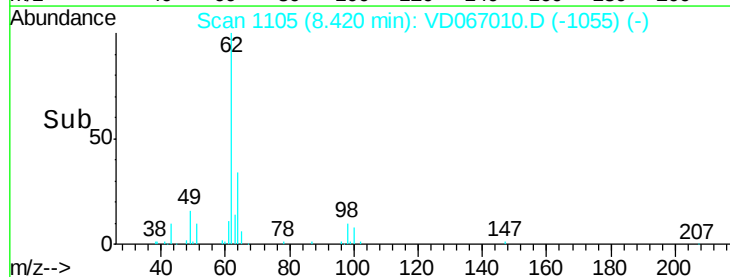
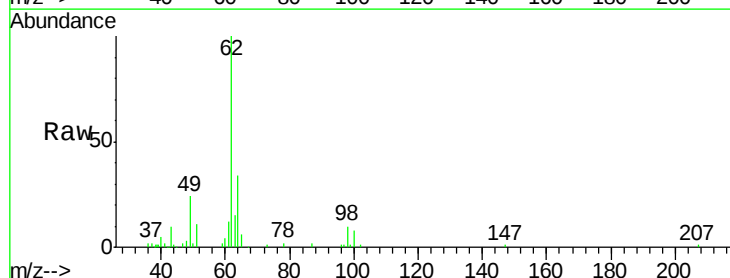
Manual Integrations
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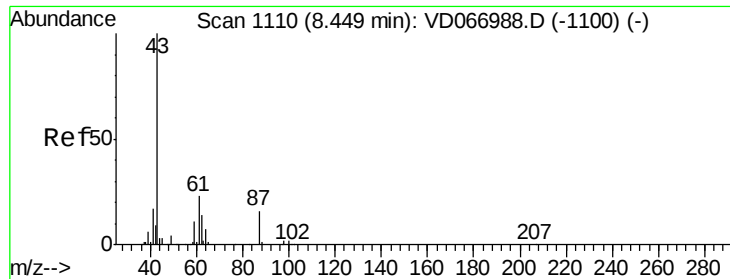
MMDadoda
10/2/2020 3:13:41 PM



#42
1,2-Dichloroethane
Concen: 20.504 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	22.6





#43

Isopropyl Acetate

Concen: 20.539 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

Instrument :

MSVOA_D

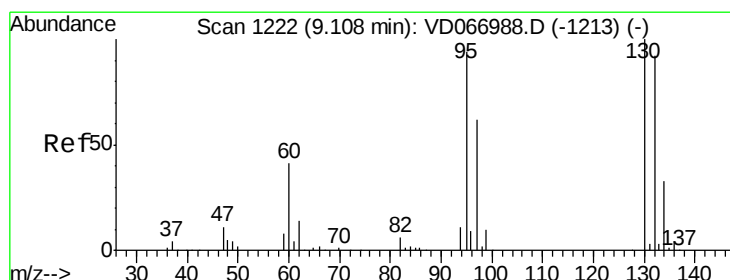
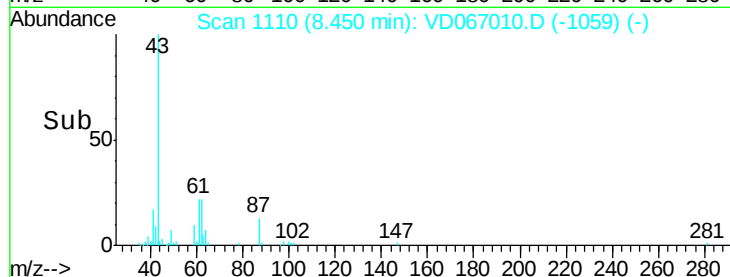
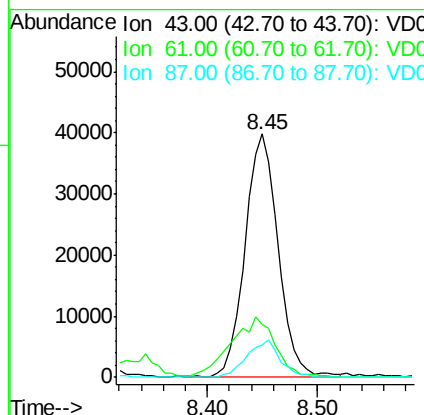
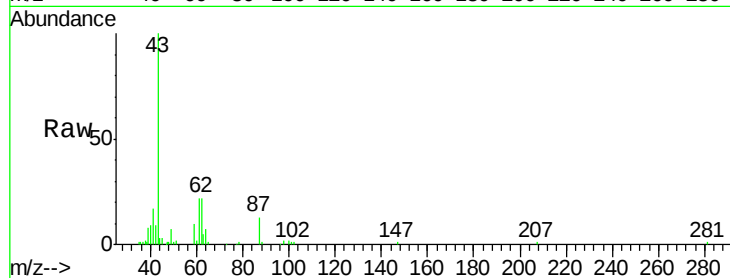
ClientSampleId :

VD1001SBS02

Tot Ion:	43	Resp:	84289
Ion	Ratio	Lower	Upper
43	100		
61	33.3	27.1	40.7
87	15.0	12.3	18.5

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#44

Trichloroethene

Concen: 19.237 ug/l

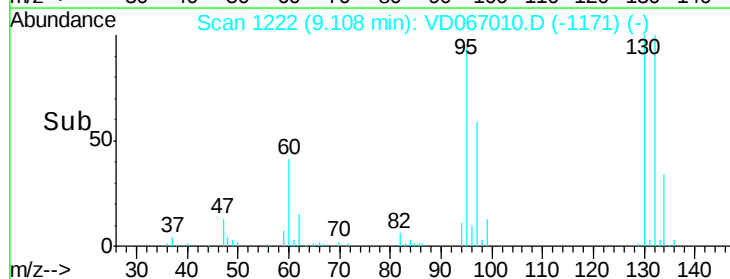
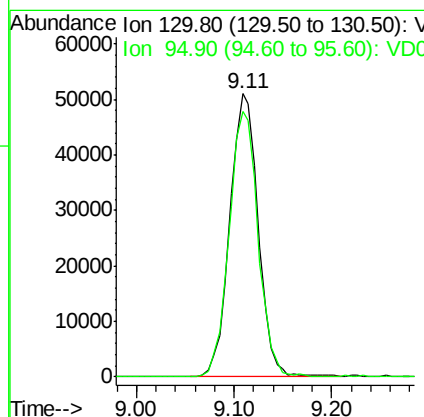
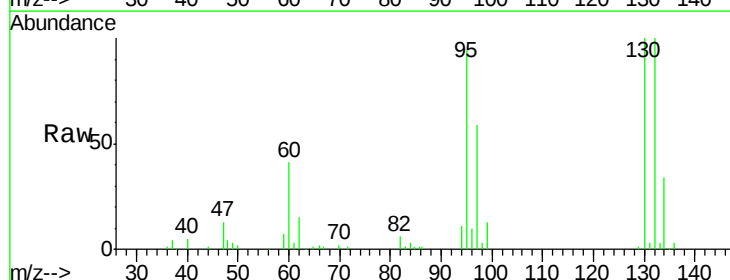
RT: 9.11 min Scan# 1222

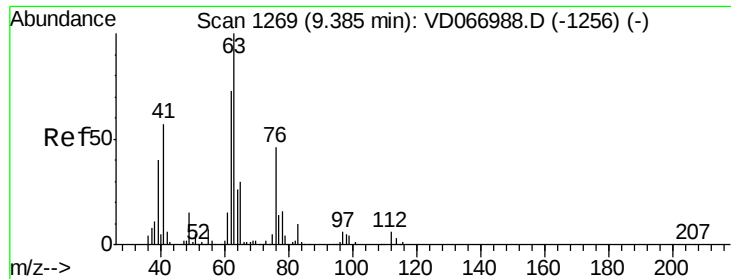
Delta R.T. 0.00 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

Tgt Ion:	130	Resp:	102598
Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	187.8





#45

1,2-Dichloropropane

Concen: 21.400 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS02

Tot Ion: 63 Resp: 89809

Ion Ratio Lower Upper

63 100

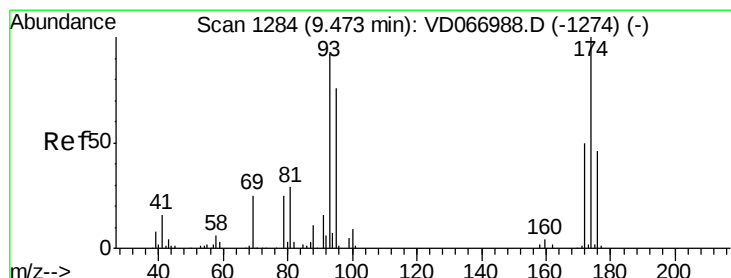
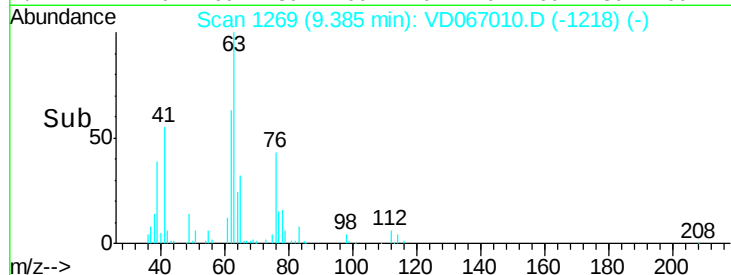
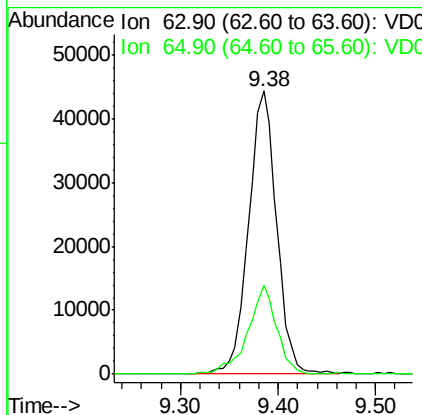
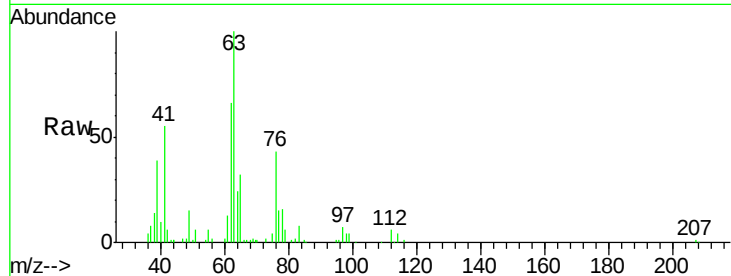
65 31.5 23.7 35.5

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#46

Dibromomethane

Concen: 20.911 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

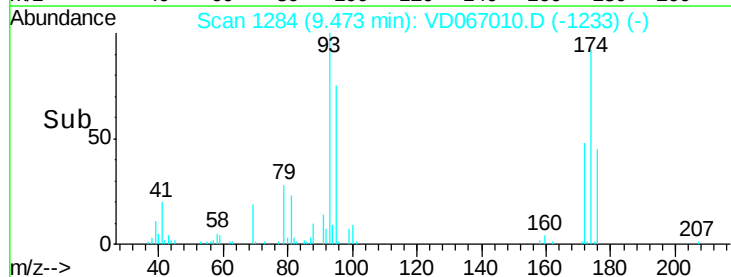
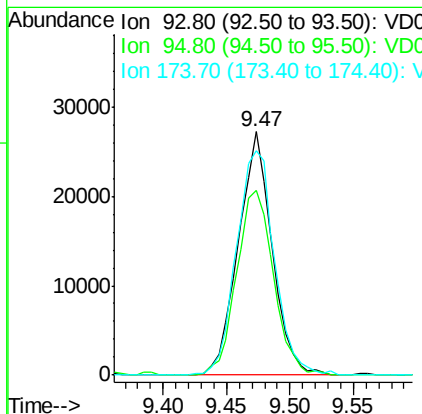
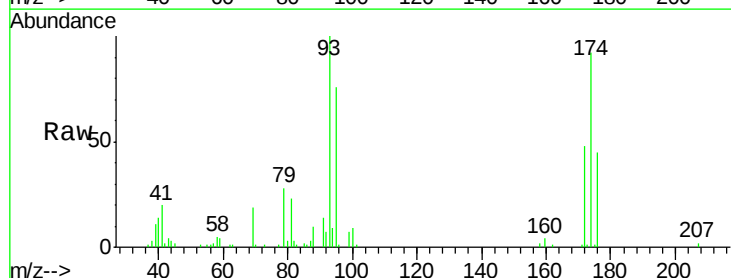
Tgt Ion: 93 Resp: 50439

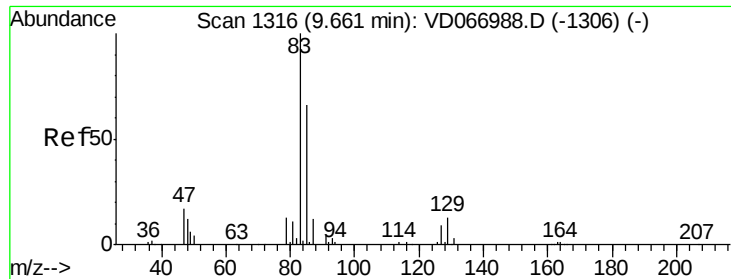
Ion Ratio Lower Upper

93 100

95 82.7 64.7 97.1

174 103.4 81.4 122.2





#47

Bromodichloromethane

Concen: 20.945 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

Instrument :

MSVOA_D

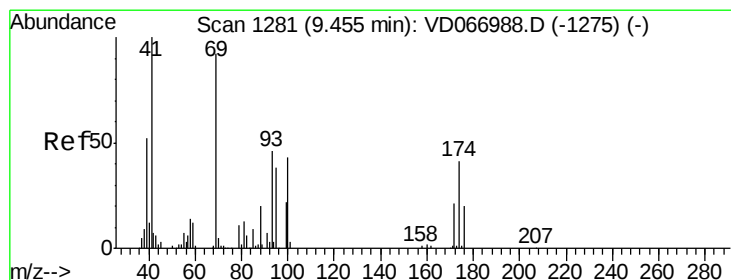
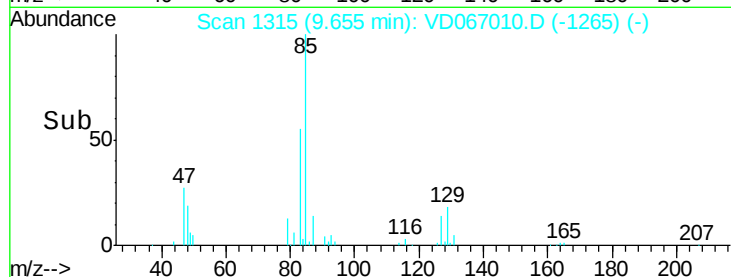
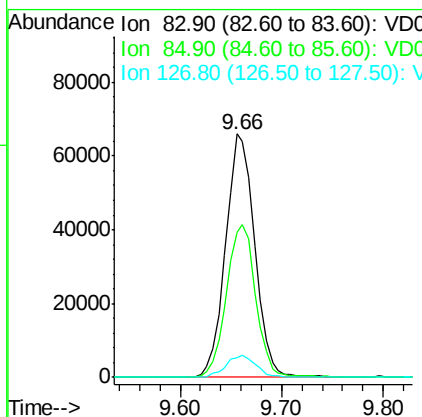
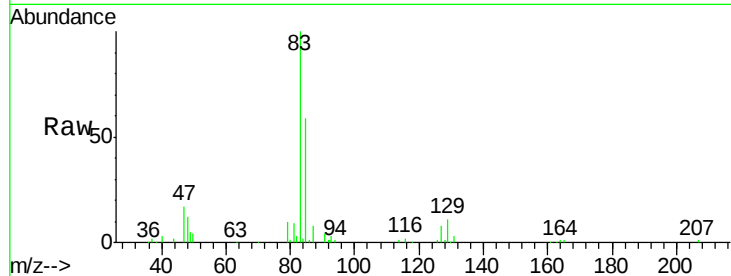
ClientSampleId :

VD1001SBSD02

Tot Ion:	83	Resp:	131321
Ion Ratio	Lower	Upper	
83	100		
85	59.4	52.9	79.3
127	8.3	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.091 ug/l

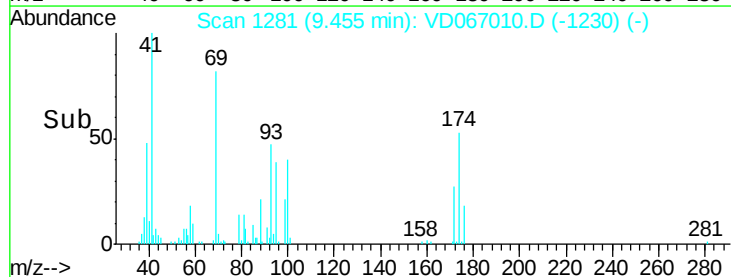
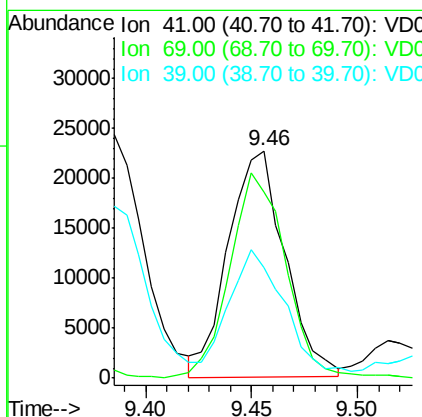
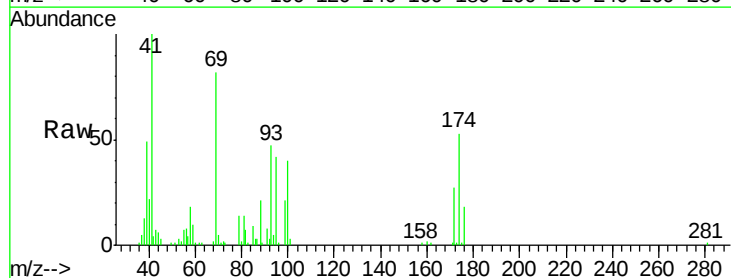
RT: 9.46 min Scan# 1281

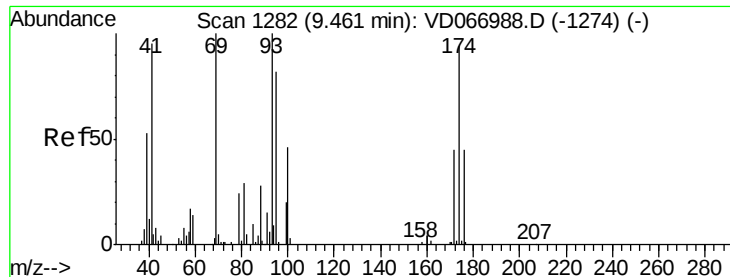
Delta R.T. 0.00 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

Tgt Ion:	41	Resp:	42240
Ion Ratio	Lower	Upper	
41	100		
69	90.0	68.5	102.7
39	56.8	40.2	60.2





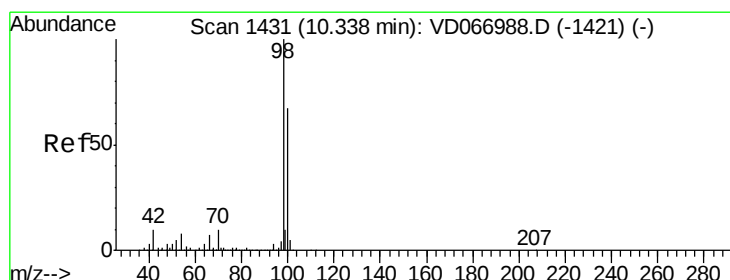
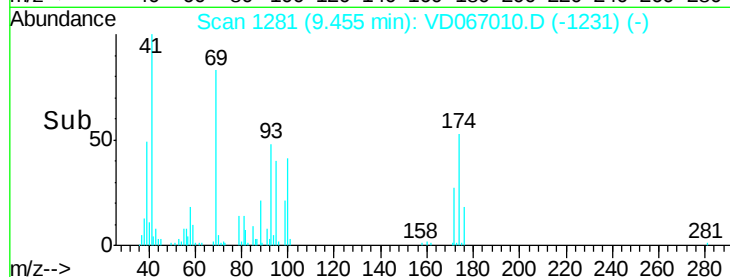
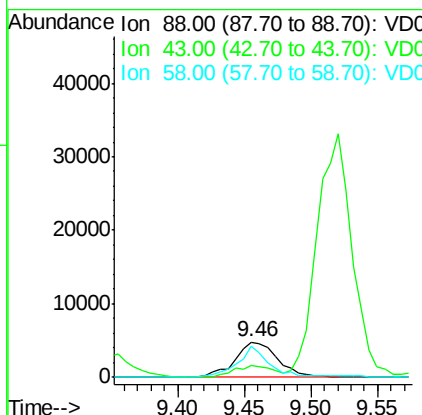
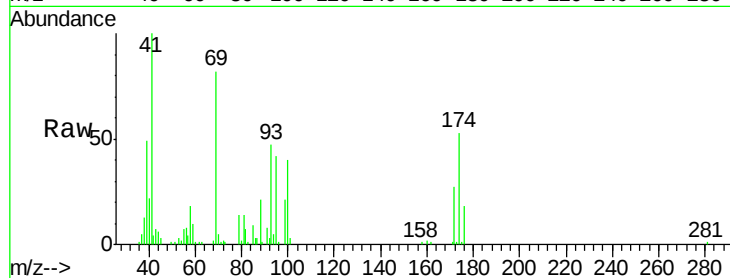
#49
1,4-Dioxane
Concen: 417.098 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	25.6	38.4
58	66.3	53.5	80.3

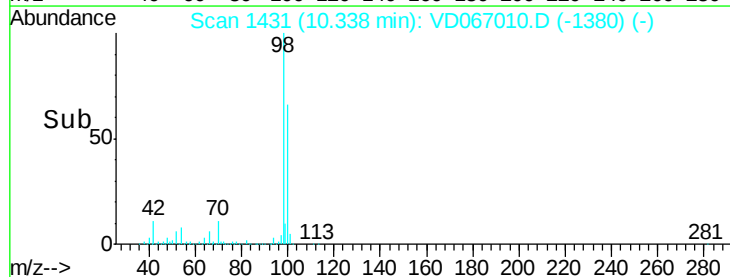
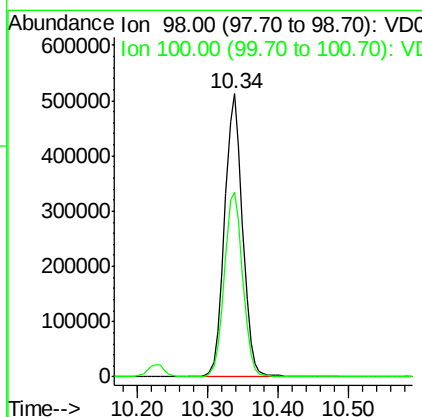
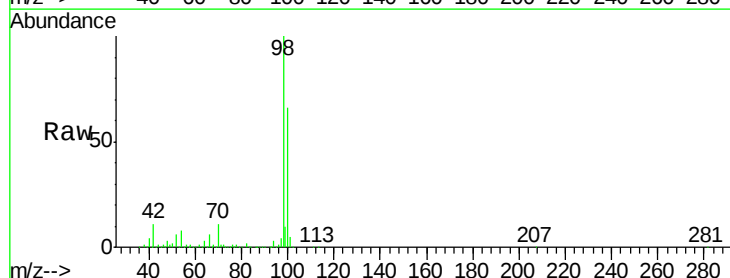
Manual Integrations
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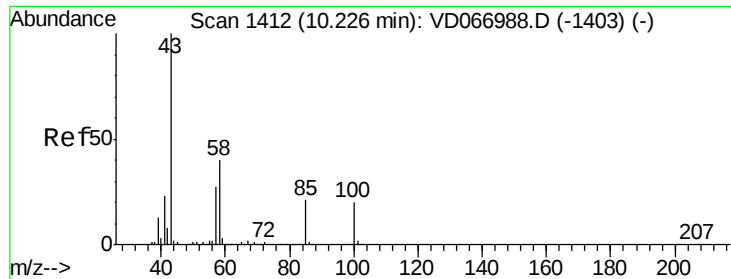
MMDadoda
10/2/2020 3:13:41 PM



#50
Toluene-d8
Concen: 55.020 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 103.235 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

Instrument :

MSVOA_D

ClientSampleID :

VD1001SBS02

Tot Ion: 43 Resp: 211027

Ion Ratio Lower Upper

43 100

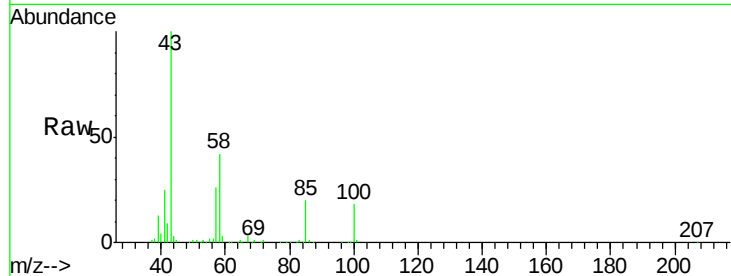
58 41.0 33.8 50.8

Manual Integrations

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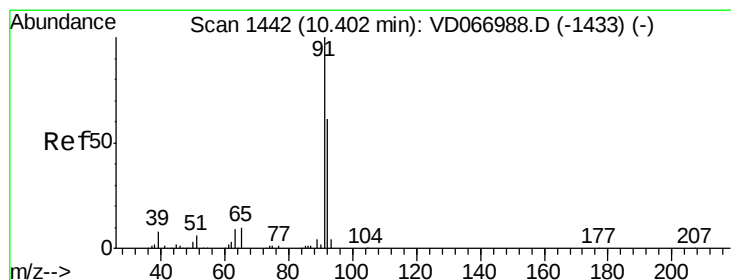
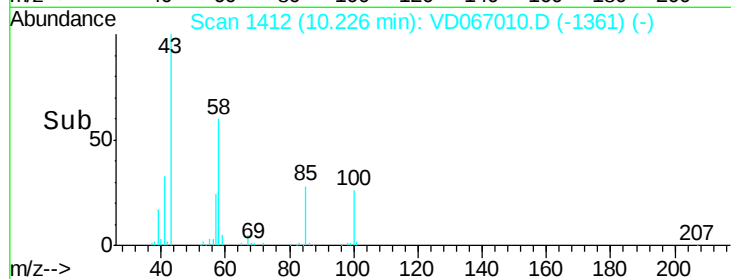
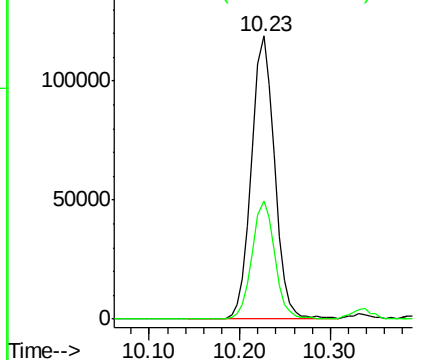
MMDadoda

10/2/2020 3:13:41 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.824 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD067010.D

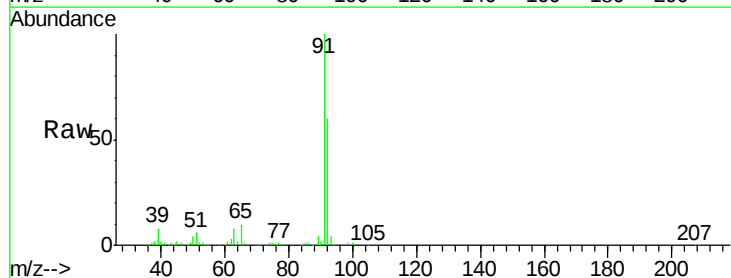
Acq: 02 Oct 2020 00:35

Tgt Ion: 92 Resp: 239589

Ion Ratio Lower Upper

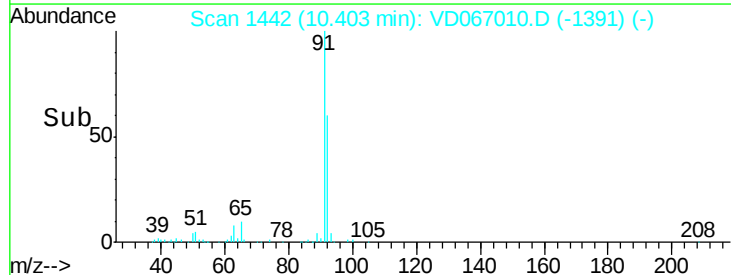
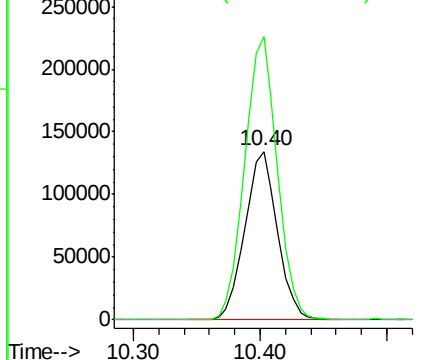
92 100

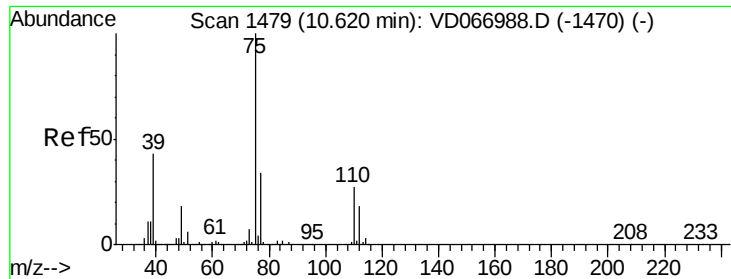
91 169.2 135.1 202.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





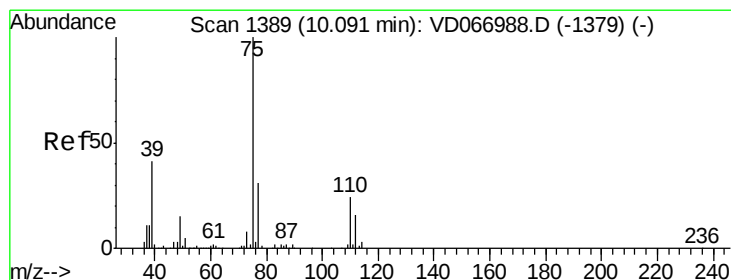
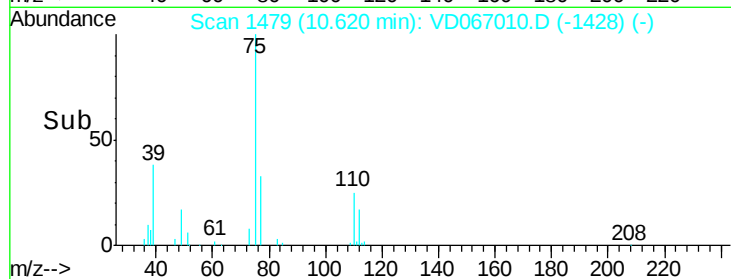
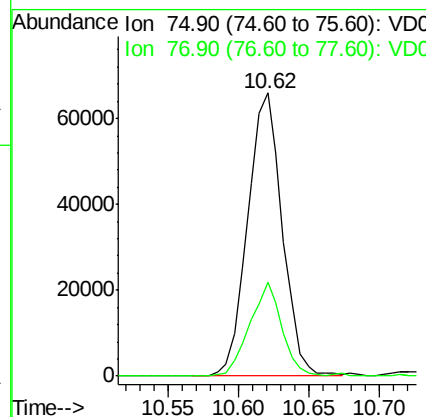
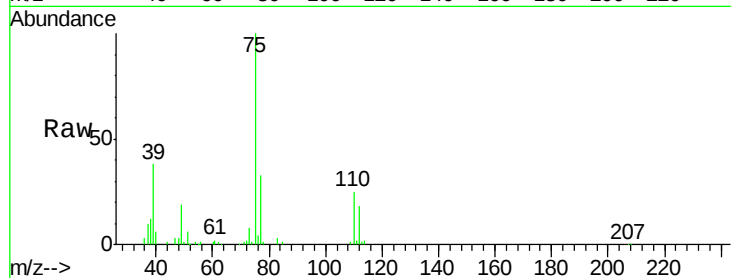
#53
 t-1,3-Dichloropropene
 Concen: 20.211 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD067010.D
 Acq: 02 Oct 2020 00:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS02

Tot Ion: 75 Resp: 113258
 Ion Ratio Lower Upper
 75 100
 77 33.2 27.1 40.7

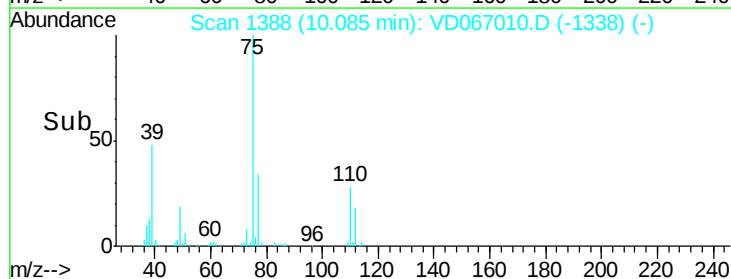
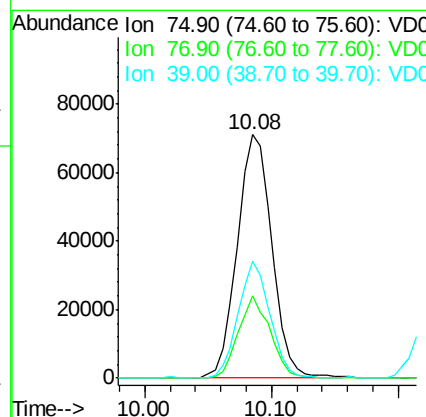
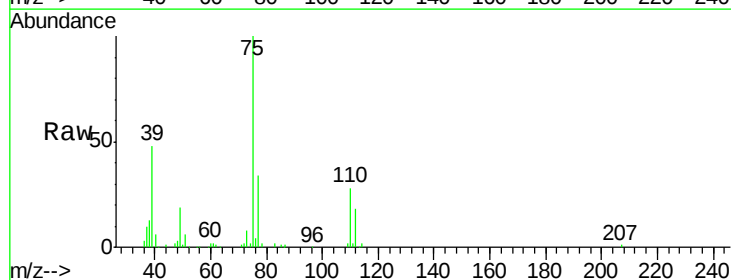
Manual Integrations
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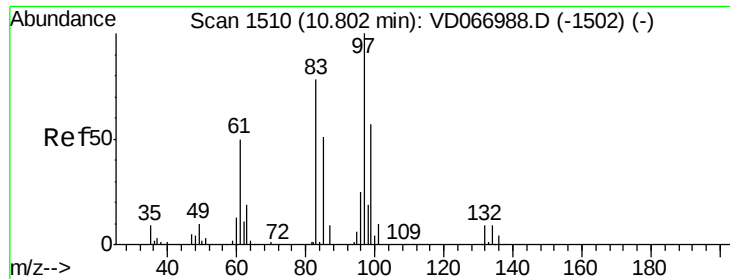
MMDadoda
 10/2/2020 3:13:41 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.671 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: VD067010.D
 Acq: 02 Oct 2020 00:35

Tgt Ion: 75 Resp: 134604
 Ion Ratio Lower Upper
 75 100
 77 33.7 24.6 37.0
 39 47.6 33.0 49.4





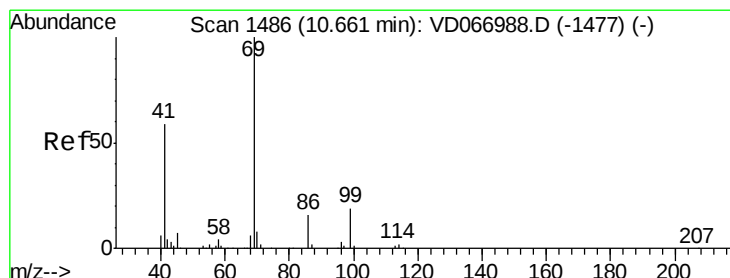
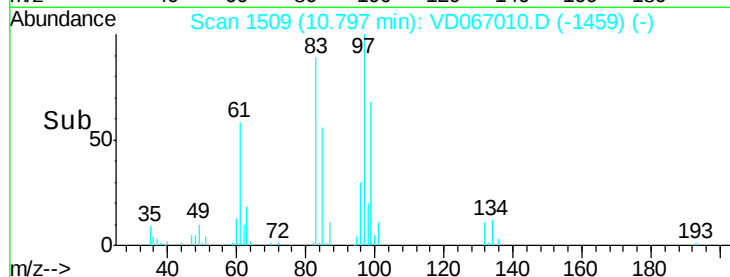
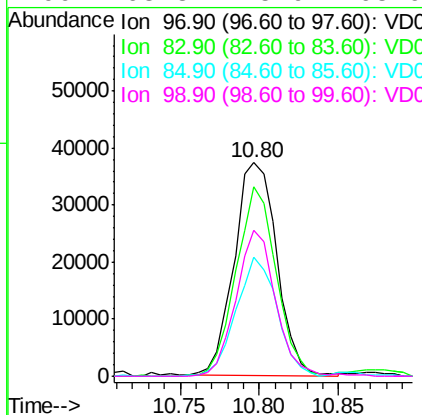
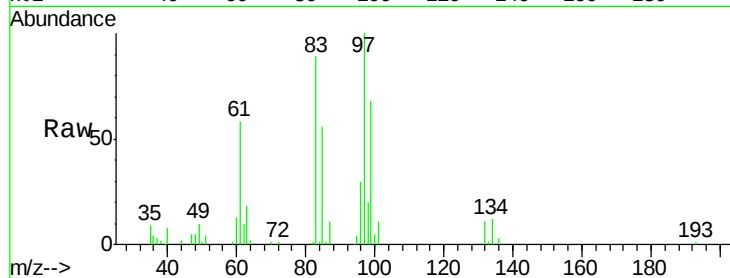
#55
 1,1,2-Trichloroethane
 Concen: 20.808 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD067010.D
 Acq: 02 Oct 2020 00:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS02

Tot Ion:	97	Resp:	69779
Ion	Ratio	Lower	Upper
97	100		
83	88.8	62.4	93.6
85	55.7	41.0	61.4
99	68.8	45.9	68.9

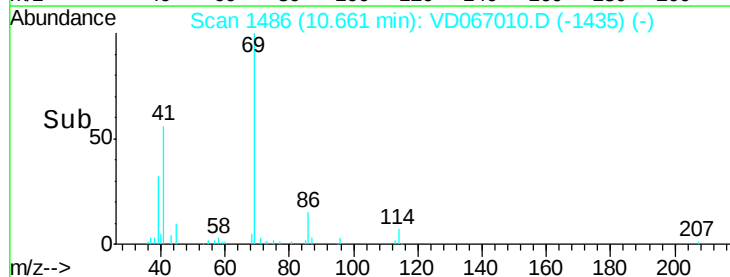
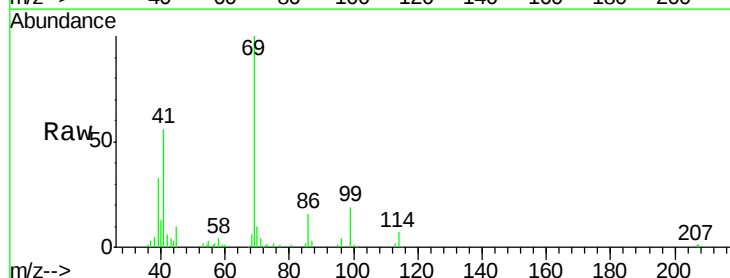
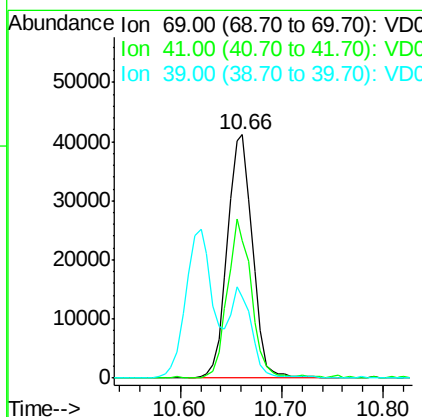
Manual Integrations
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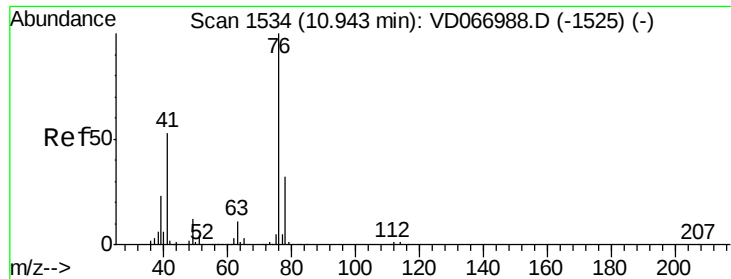
MMDadoda
 10/2/2020 3:13:41 PM



#56
 Ethyl methacrylate
 Concen: 20.539 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067010.D
 Acq: 02 Oct 2020 00:35

Tgt Ion:	69	Resp:	71111
Ion	Ratio	Lower	Upper
69	100		
41	61.8	46.4	69.6
39	31.2	23.8	35.6





#57

1,3-Dichloropropane

Concen: 21.165 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS02

Tot Ion: 76 Resp: 115095

Ion Ratio Lower Upper

76 100

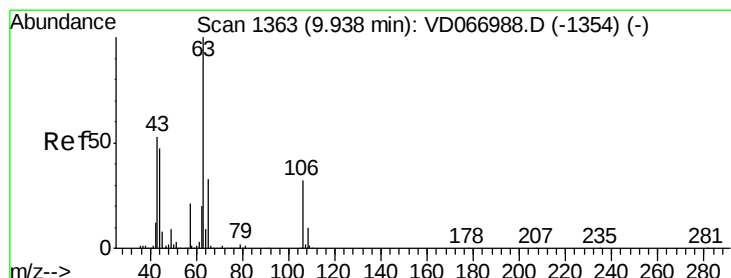
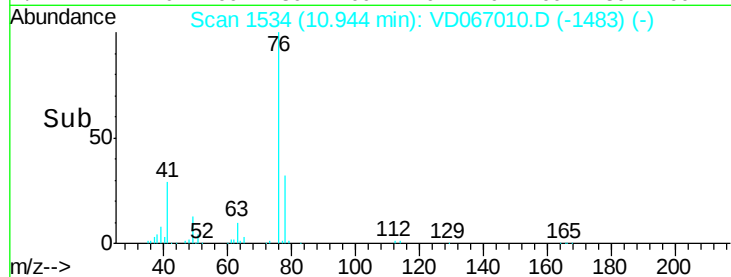
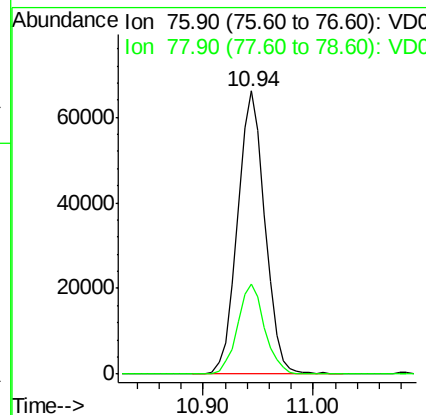
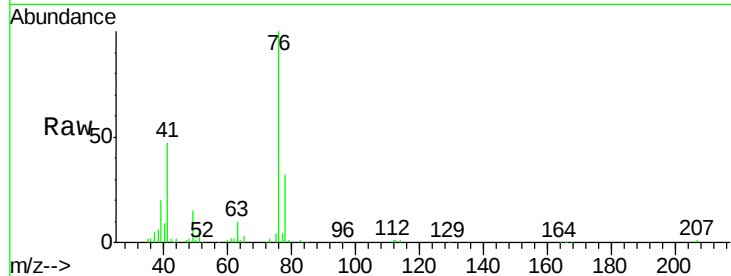
78 31.4 25.8 38.8

Manual Integrations

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MMDadoda

10/2/2020 3:13:41 PM



#58

2-Chloroethyl Vinyl ether

Concen: 105.919 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD067010.D

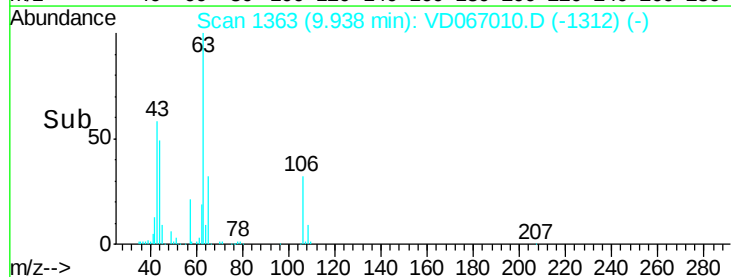
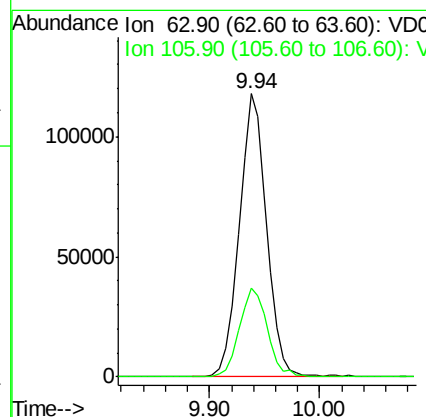
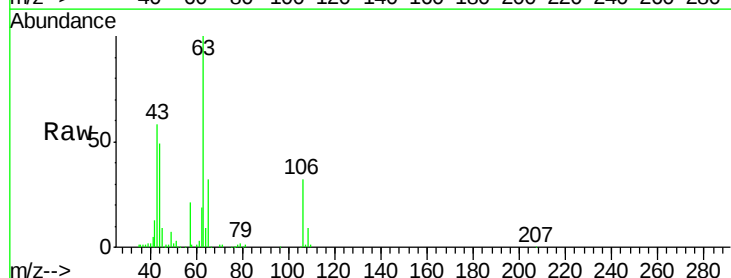
Acq: 02 Oct 2020 00:35

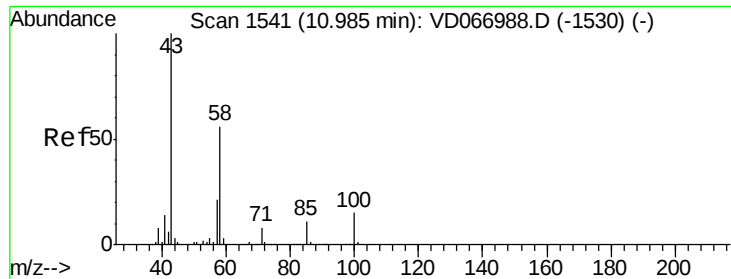
Tgt Ion: 63 Resp: 204109

Ion Ratio Lower Upper

63 100

106 32.3 25.3 37.9





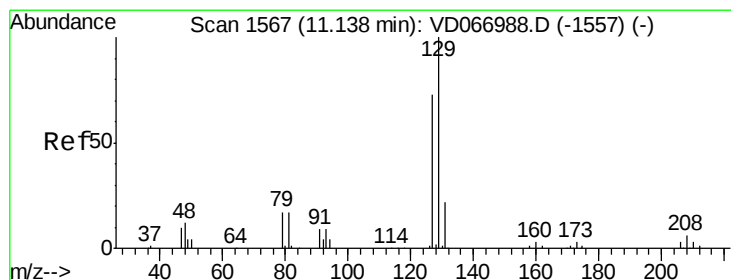
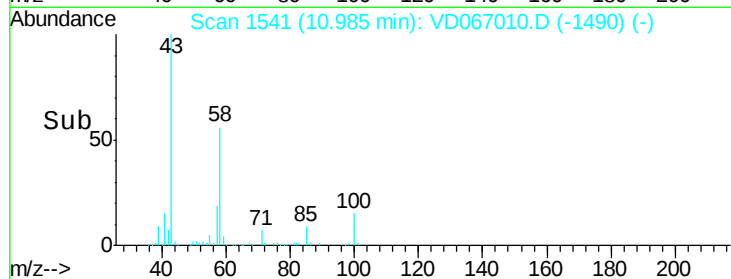
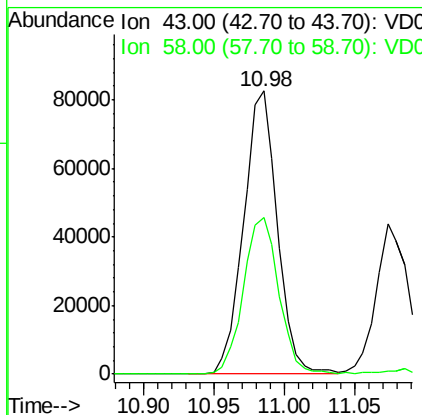
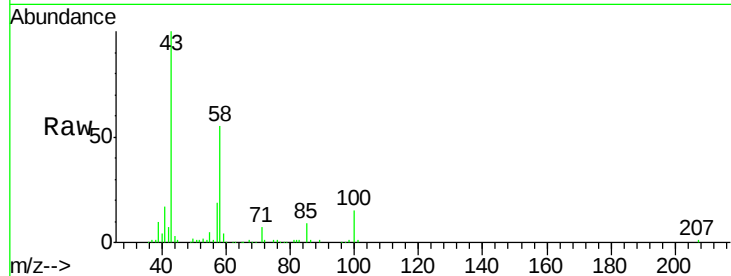
#59
2-Hexanone
Concen: 101.306 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBSD02

Tot Ion: 43 Resp: 138216
Ion Ratio Lower Upper
43 100
58 58.1 28.3 84.9

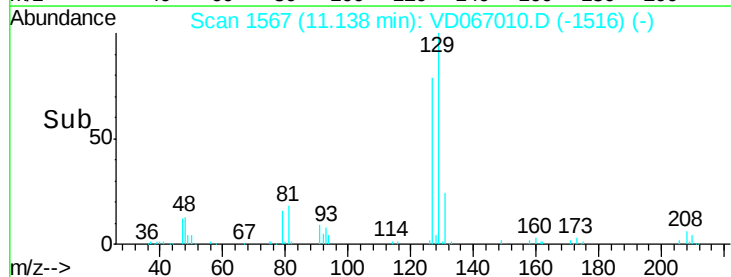
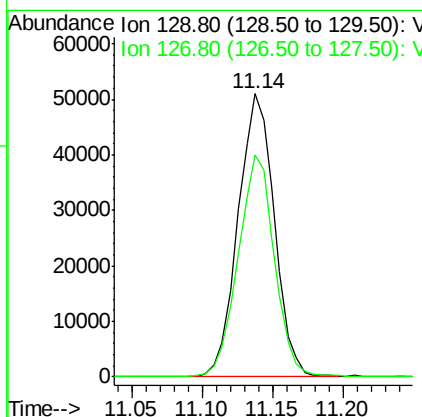
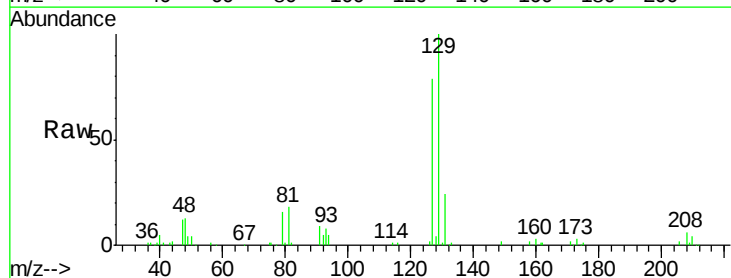
Manual Integrations
APPROVED

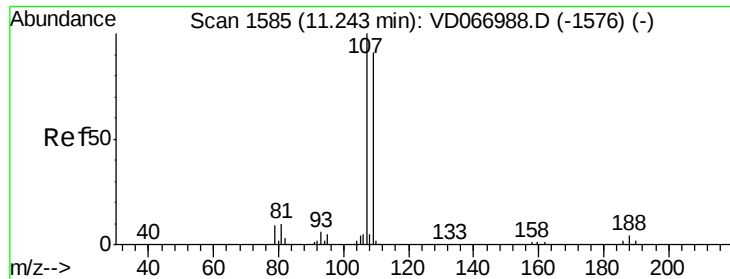
MMDadoda
10/2/2020 3:13:41 PM



#60
Dibromochloromethane
Concen: 20.522 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Tgt Ion: 129 Resp: 91724
Ion Ratio Lower Upper
129 100
127 78.5 37.4 112.1





#61

1,2-Dibromoethane

Concen: 21.291 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS02

Tot Ion: 107 Resp: 68595

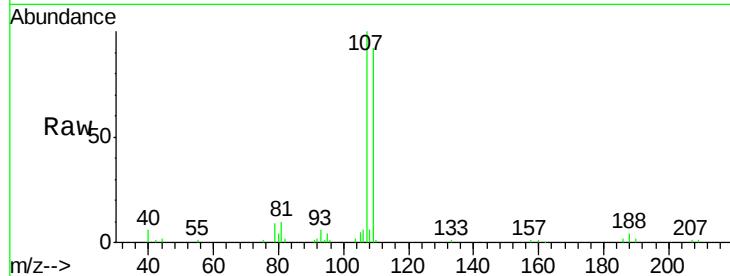
Ion Ratio Lower Upper

107 100

109 94.6 74.0 111.0

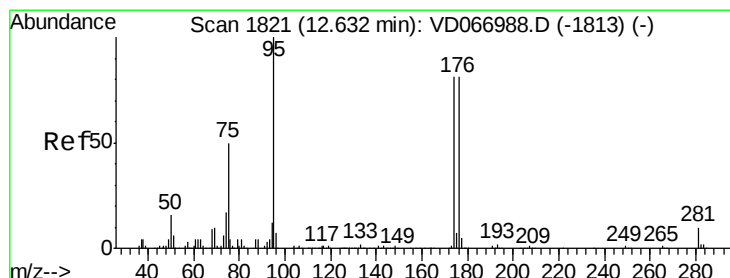
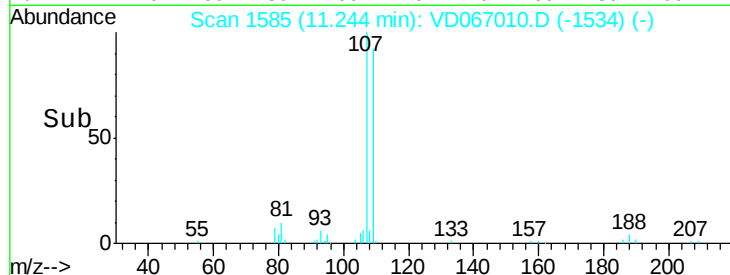
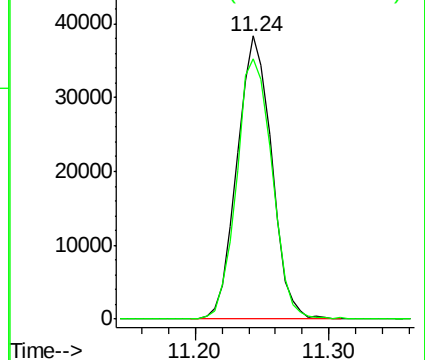
Manual Integrations
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MMDadoda
10/2/2020 3:13:41 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.642 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

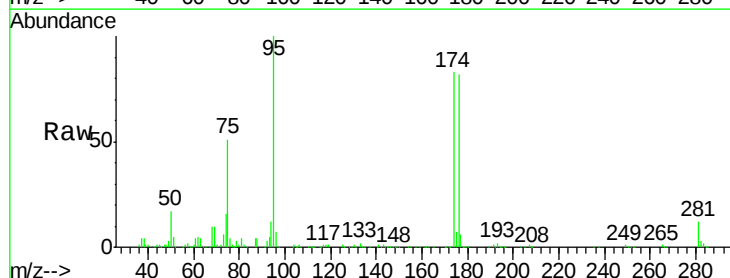
Tgt Ion: 95 Resp: 310873

Ion Ratio Lower Upper

95 100

174 83.2 0.0 167.6

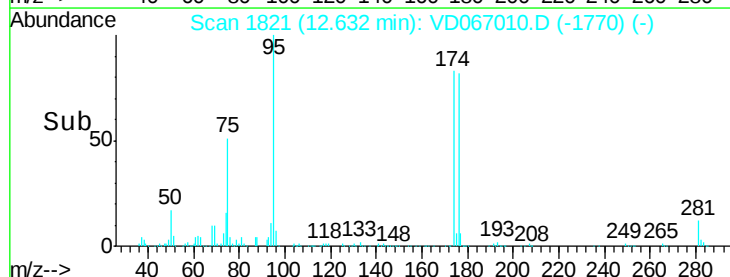
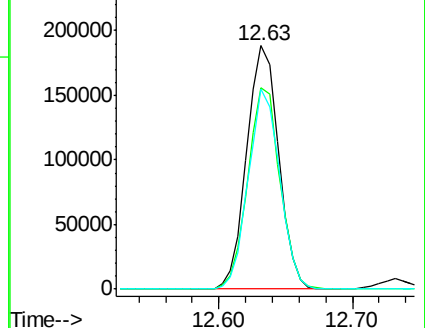
176 80.9 0.0 162.4

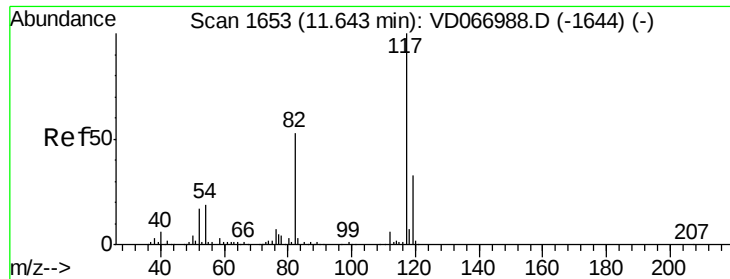


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





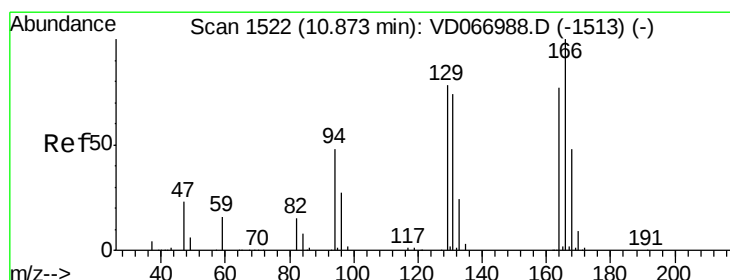
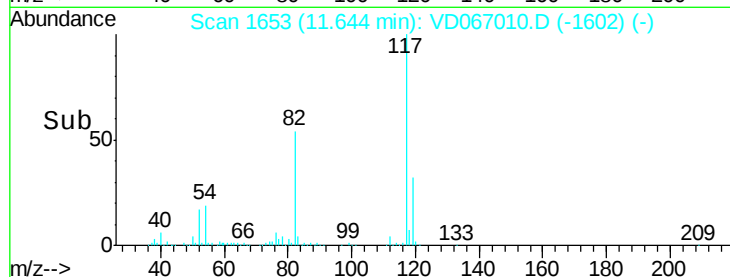
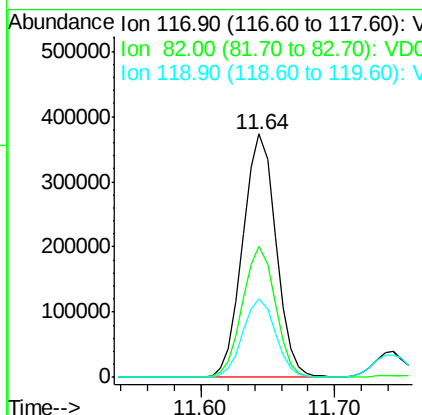
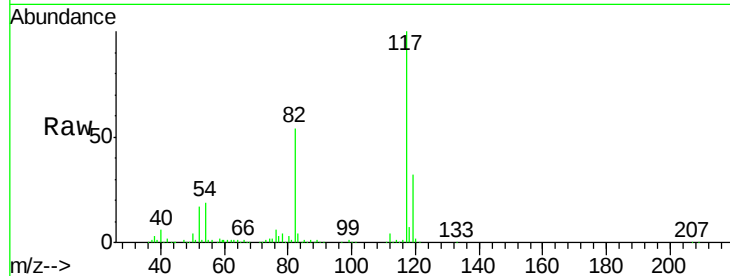
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.6	63.8
119	32.5	26.3	39.5

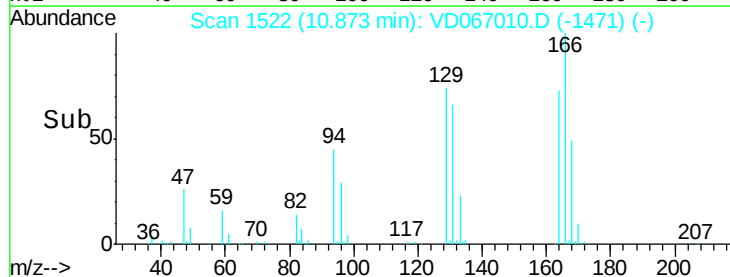
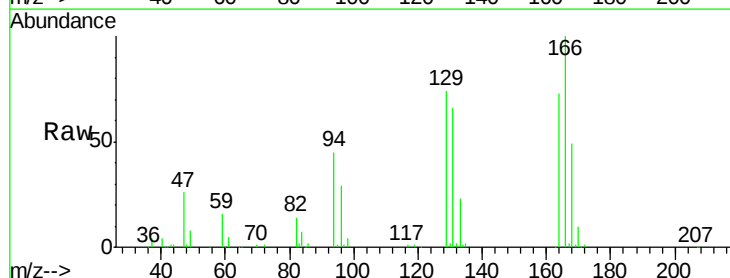
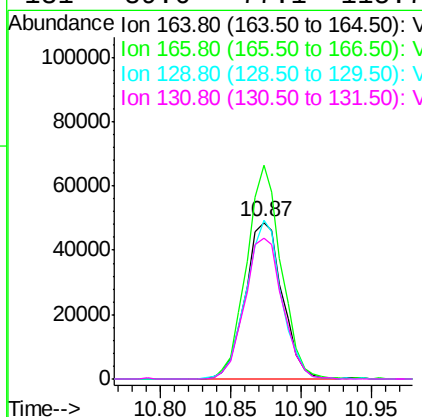
Manual Integrations
APPROVED

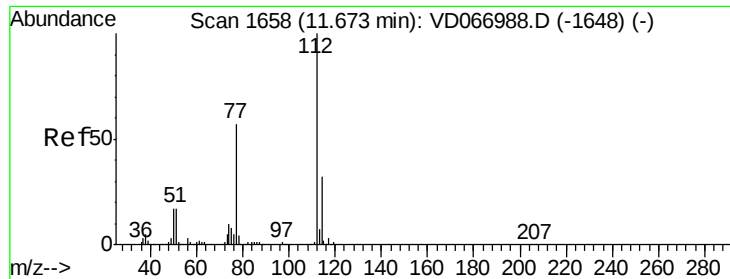
MMDadoda
10/2/2020 3:13:41 PM



#64
Tetrachloroethene
Concen: 19.236 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	136.5	104.4	156.6
129	101.6	81.3	121.9
131	89.6	77.1	115.7





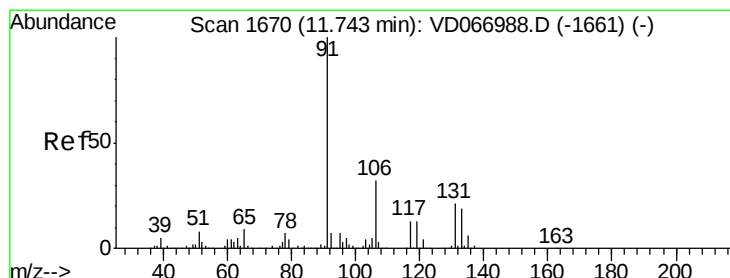
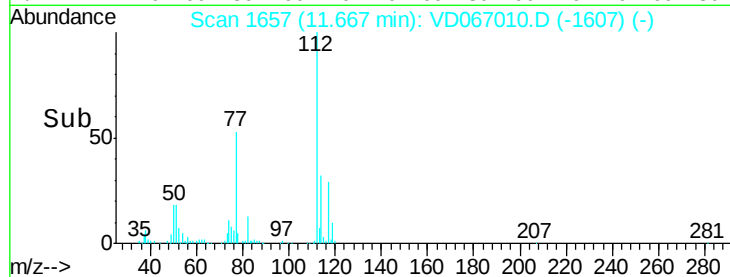
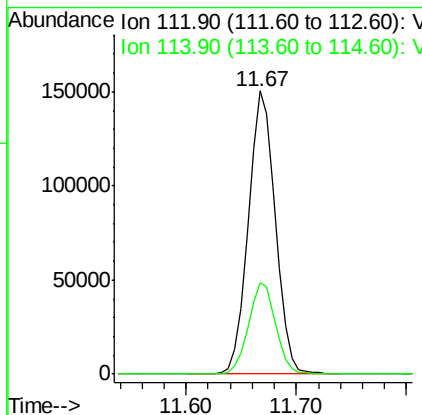
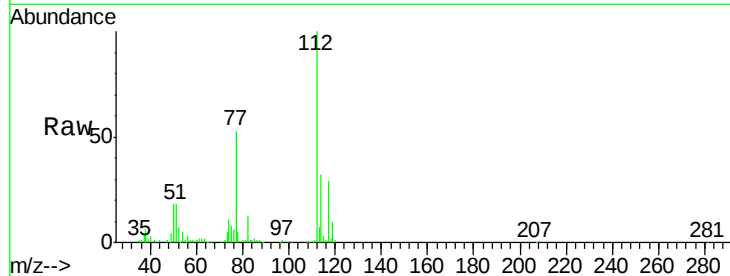
#65
Chlorobenzene
Concen: 20.173 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS02

Tot Ion:112 Resp: 258018
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.0

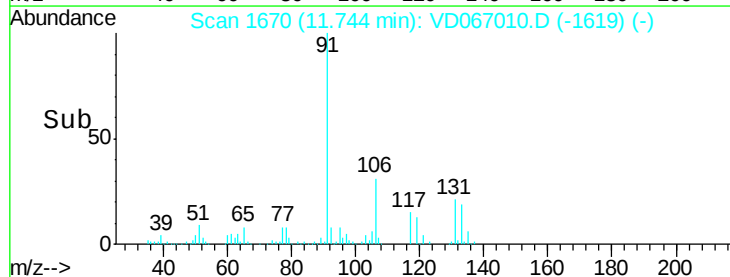
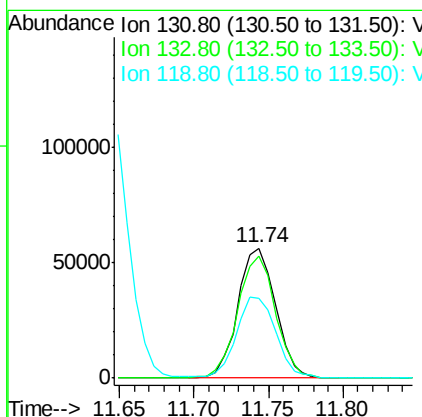
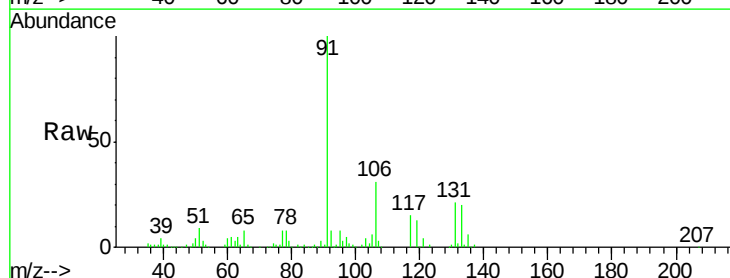
Manual Integrations
APPROVED

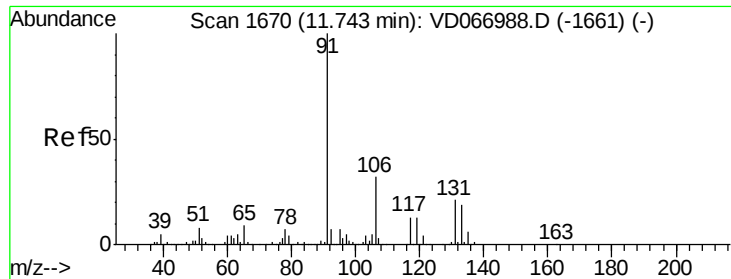
MMDadoda
10/2/2020 3:13:41 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.291 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Tgt Ion:131 Resp: 98717
Ion Ratio Lower Upper
131 100
133 94.7 47.8 143.3
119 65.8 32.3 96.8





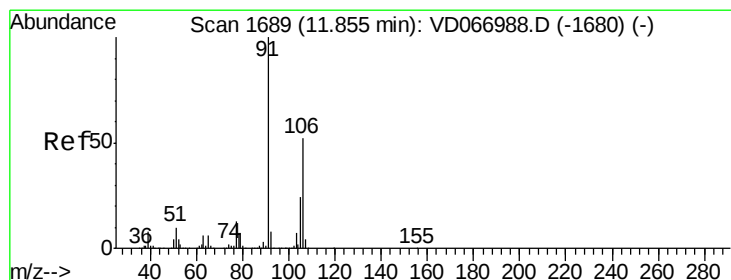
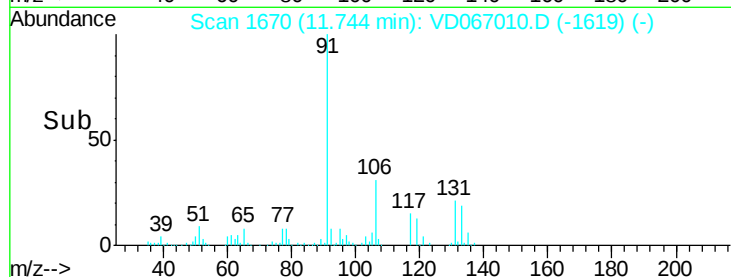
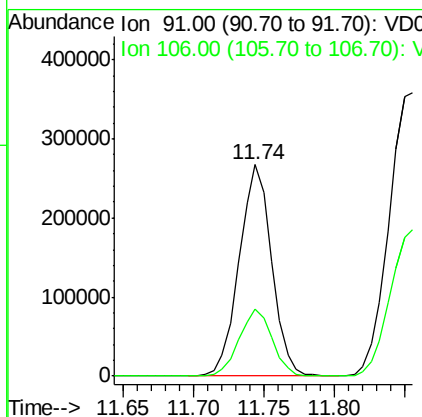
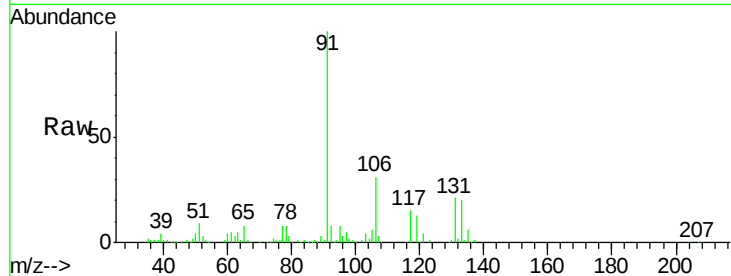
#67
Ethyl Benzene
Concen: 19.667 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS02

Tot Ion: 91 Resp: 430991
Ion Ratio Lower Upper
91 100
106 31.5 25.4 38.2

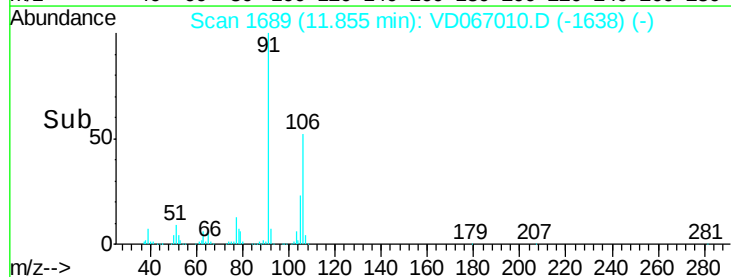
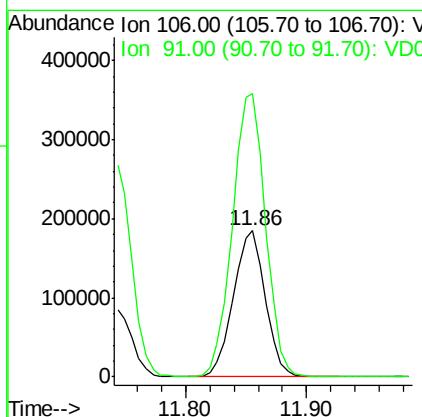
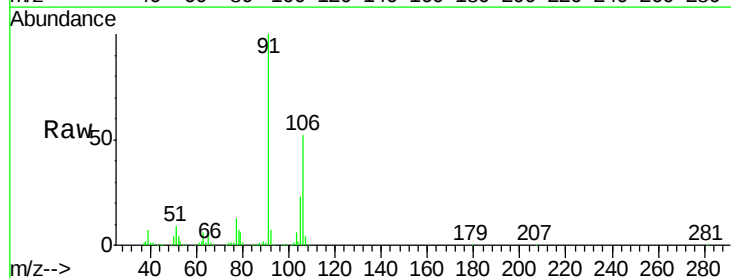
Manual Integrations
APPROVED

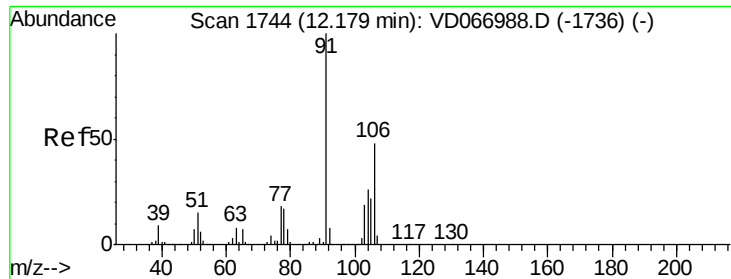
MMDadoda
10/2/2020 3:13:41 PM



#68
m/p-Xylenes
Concen: 39.745 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Tgt Ion: 106 Resp: 339435
Ion Ratio Lower Upper
106 100
91 201.3 158.4 237.6





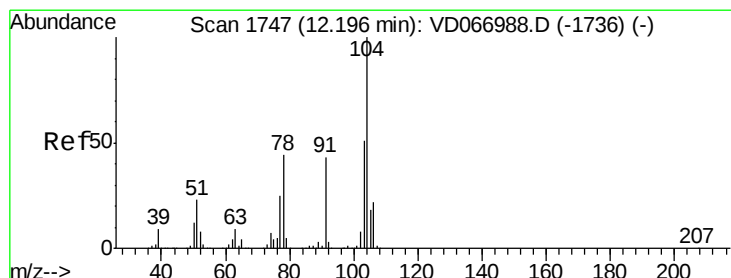
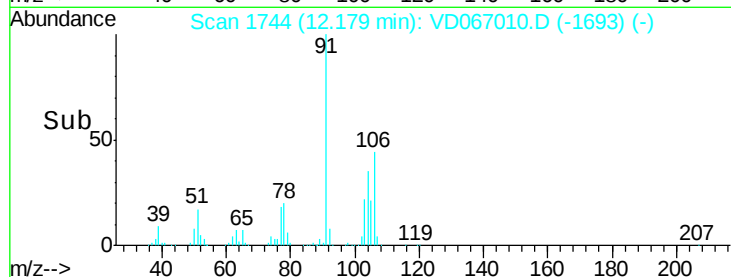
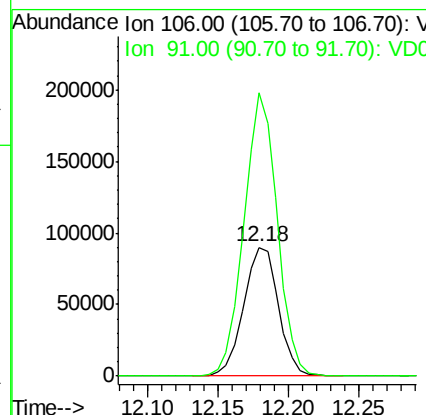
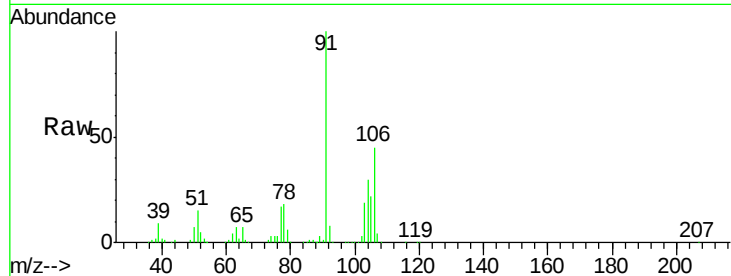
#69
o-Xylene
Concen: 20.223 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		154445		
91	211.8	102.4	307.2		

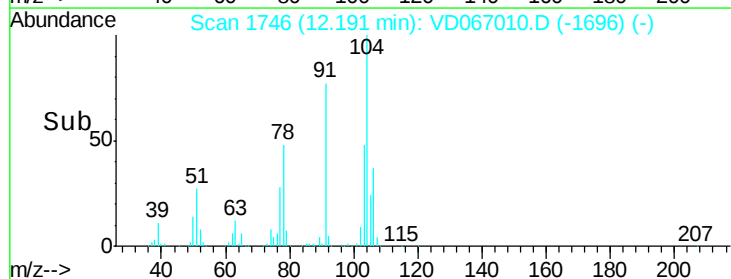
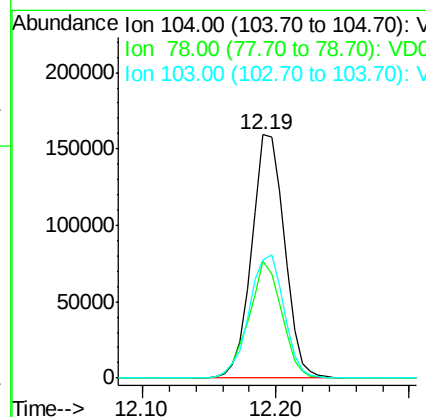
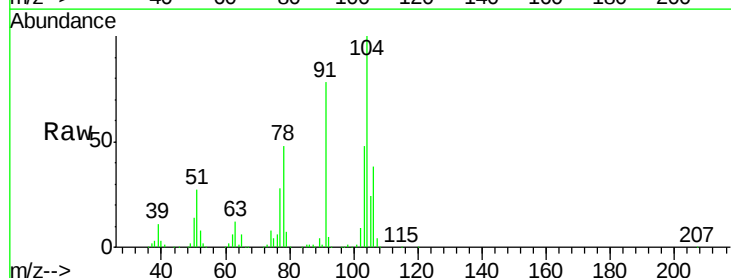
Manual Integrations
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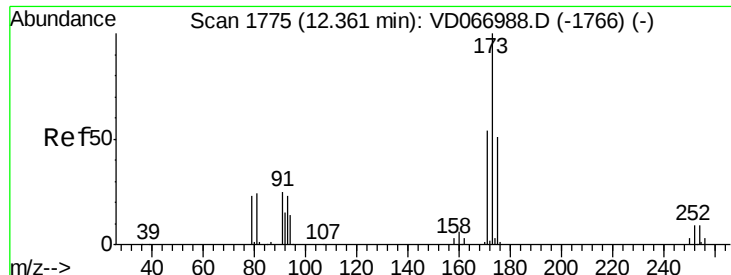
MMDadoda
10/2/2020 3:13:41 PM



#70
Styrene
Concen: 20.601 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		270167		
78	48.1	38.6	58.0		
103	53.7	43.4	65.0		





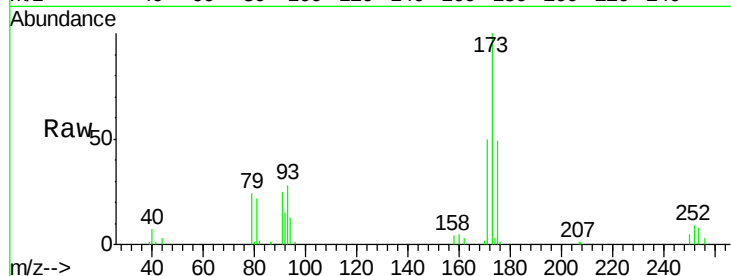
#71
Bromoform
Concen: 20.118 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS02

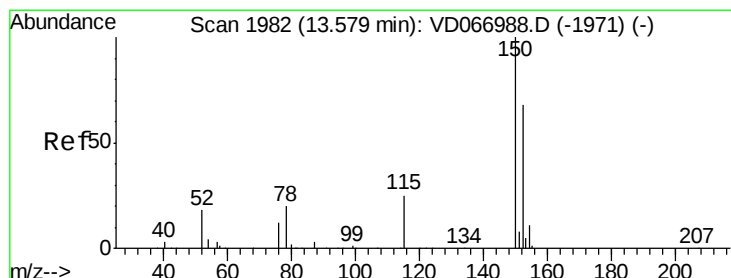
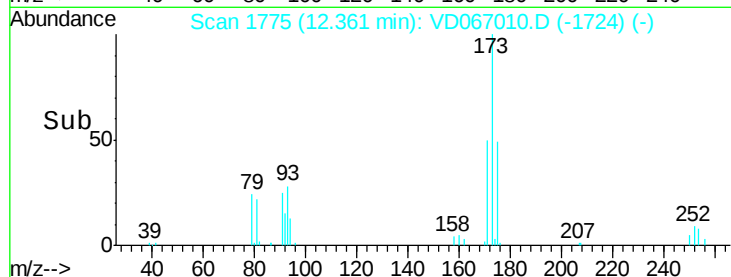
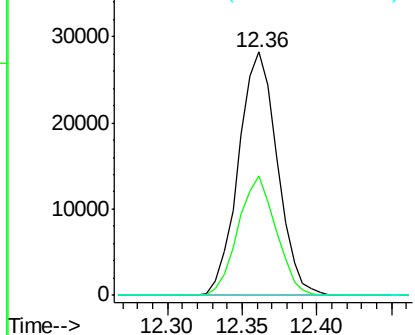
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.9	74.7
254	0.0	0.2	0.4

Manual Integrations
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10/2/2020 3:13:41 PM

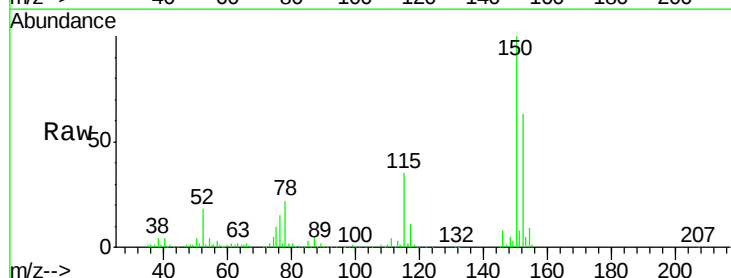


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

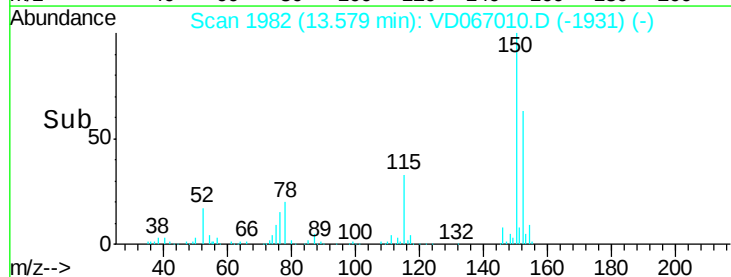
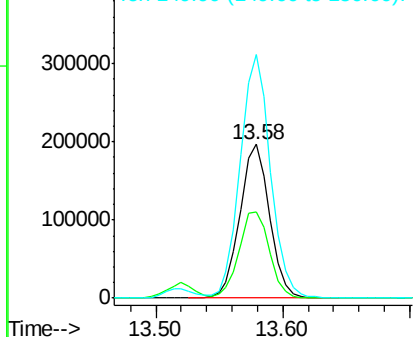


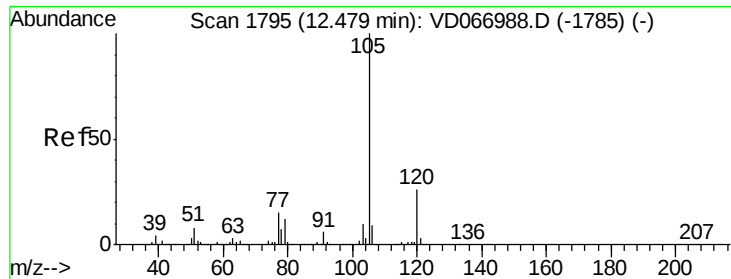
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.6	88.8
150	162.9	0.0	344.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





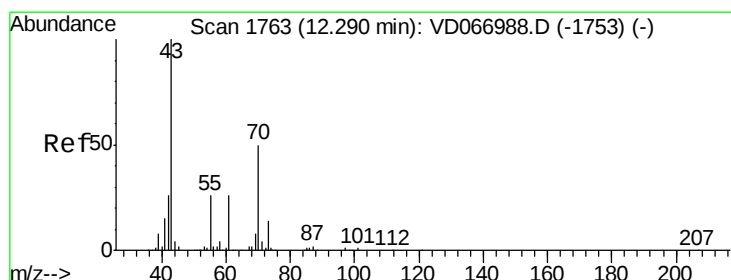
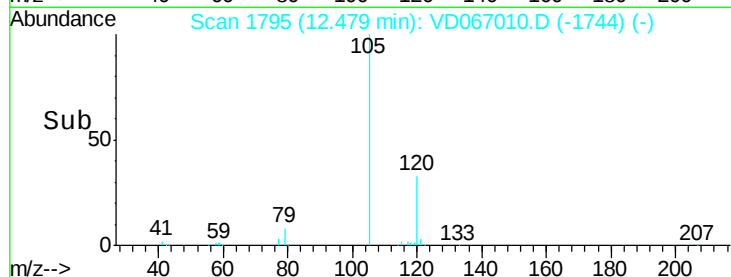
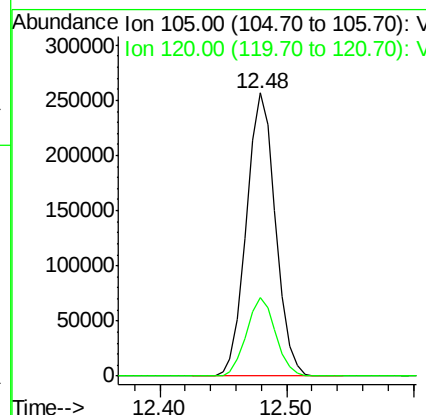
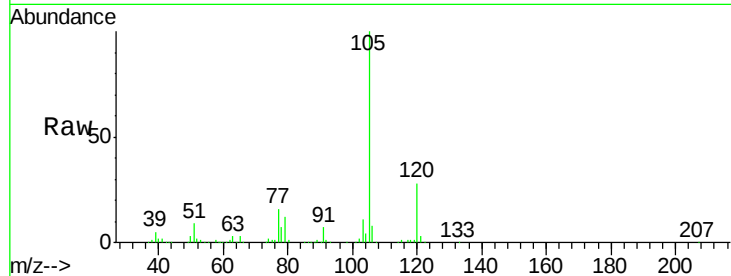
#73
Isopropylbenzene
Concen: 18.927 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.6	13.3	39.9

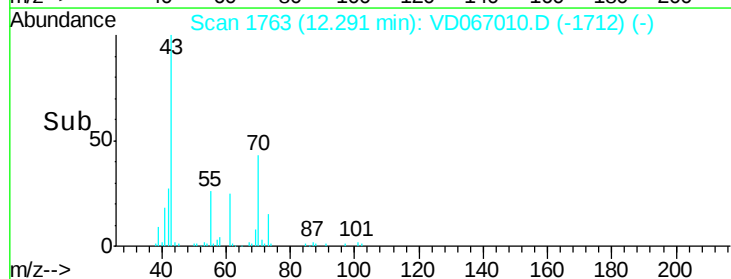
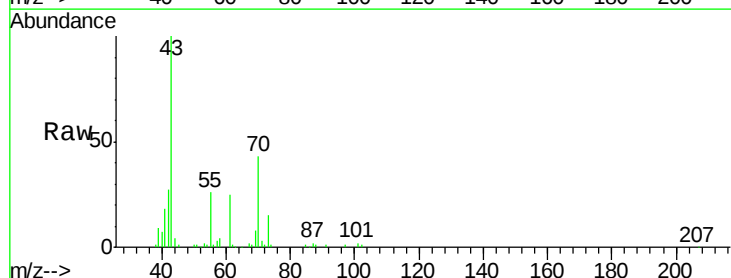
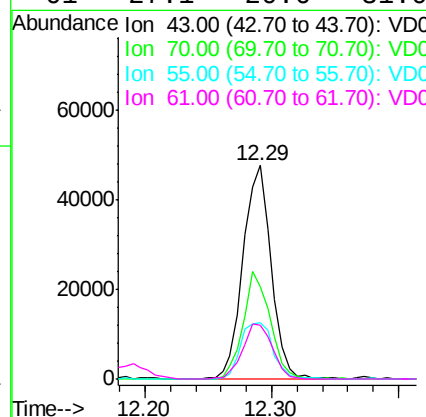
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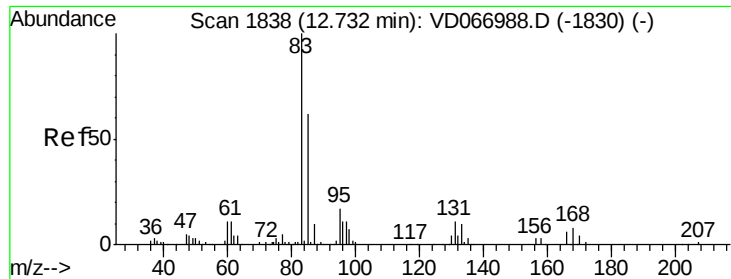
MMDadoda
10/2/2020 3:13:41 PM



#74
N-ethyl acetate
Concen: 18.874 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Tgt Ion	Ratio	Lower	Upper
43	100		
70	48.0	38.2	57.2
55	30.4	22.4	33.6
61	27.1	20.6	31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.815 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBSD02

Tot Ion: 83 Resp: 71996

Ion Ratio Lower Upper

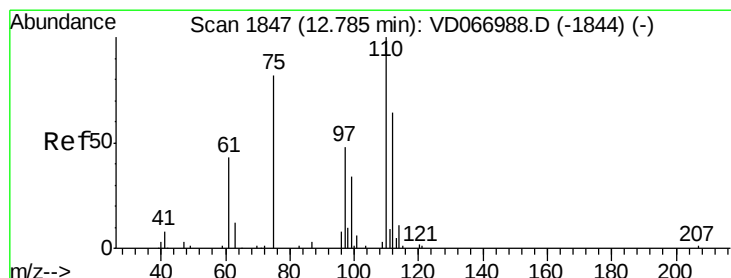
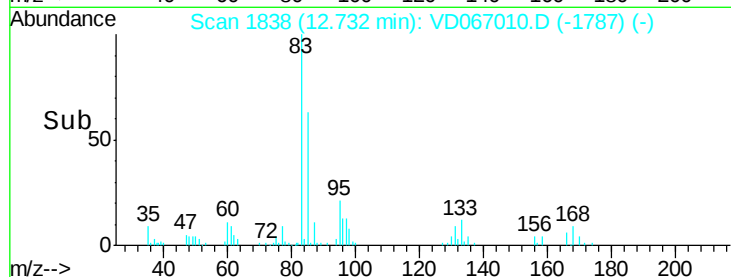
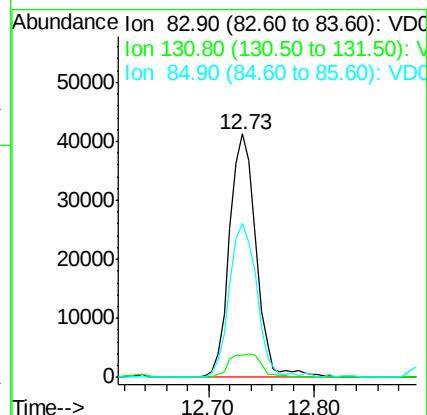
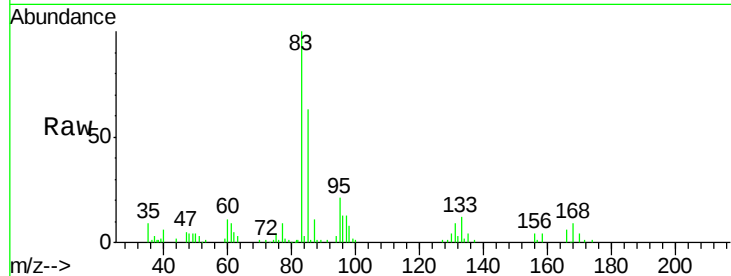
83 100

131 11.5 5.7 17.0

85 65.0 32.0 96.2

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#76

1,2,3-Trichloropropane

Concen: 16.920 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD067010.D

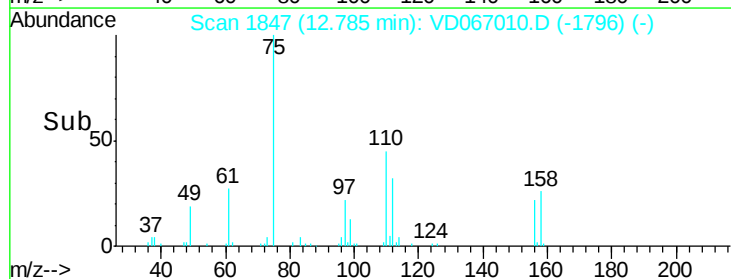
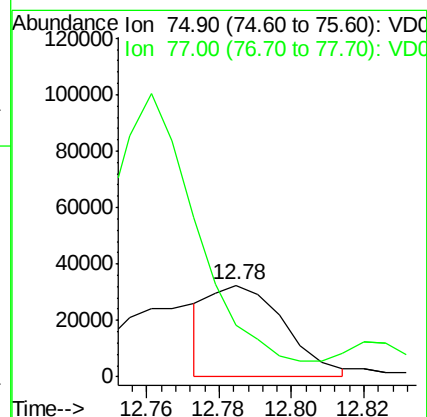
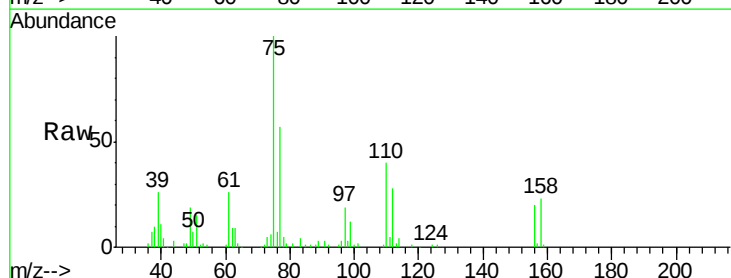
Acq: 02 Oct 2020 00:35

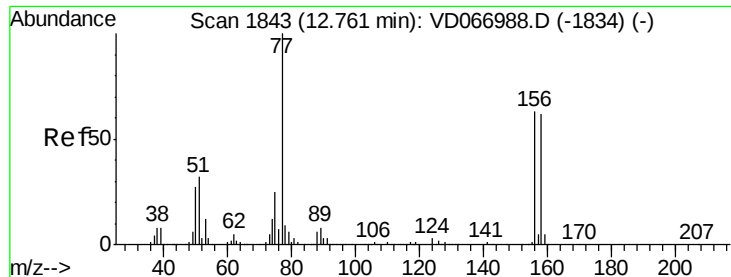
Tgt Ion: 75 Resp: 46805

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.913 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

Instrument :

MSVOA_D

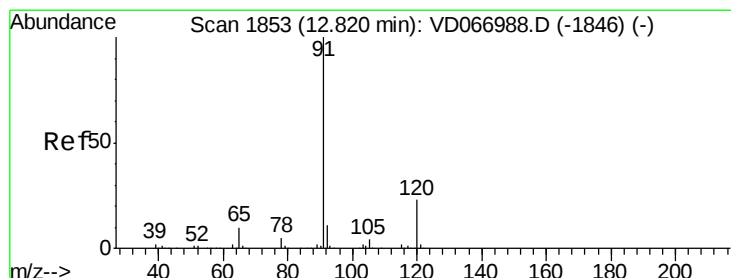
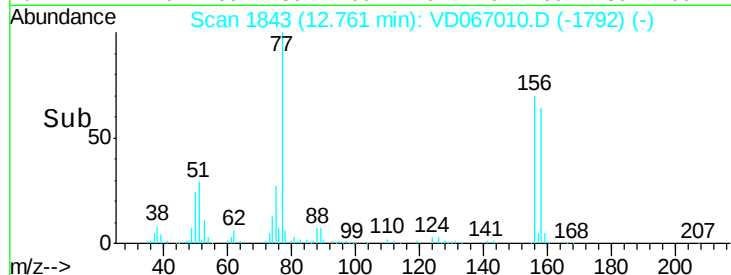
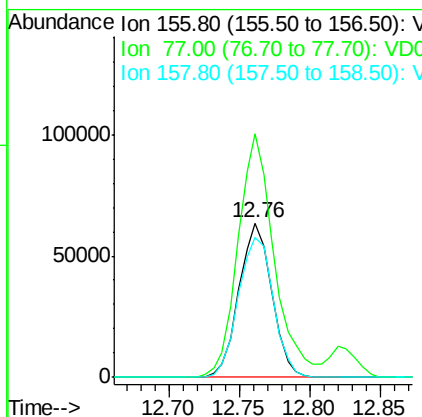
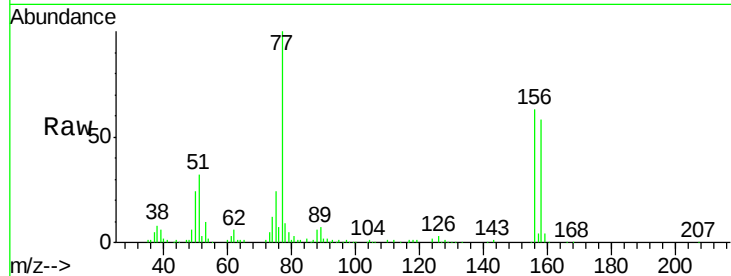
ClientSampleId :

VD1001SBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	172.2	86.3	258.8
158	96.6	49.5	148.3

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#78

n-propylbenzene

Concen: 19.140 ug/l

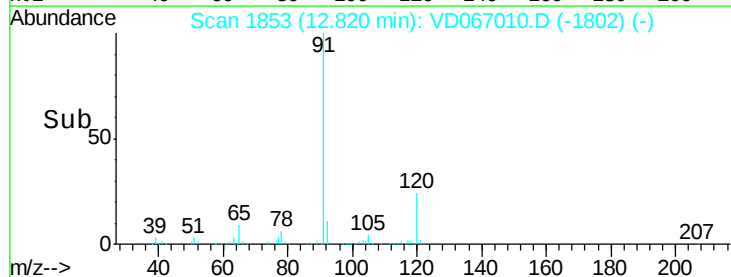
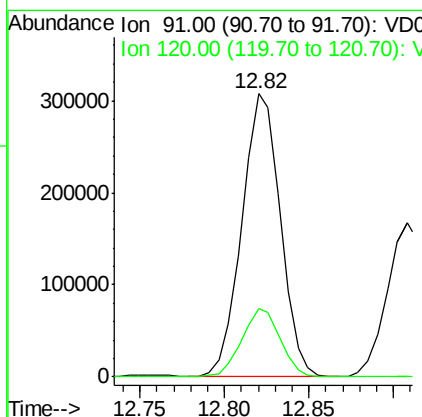
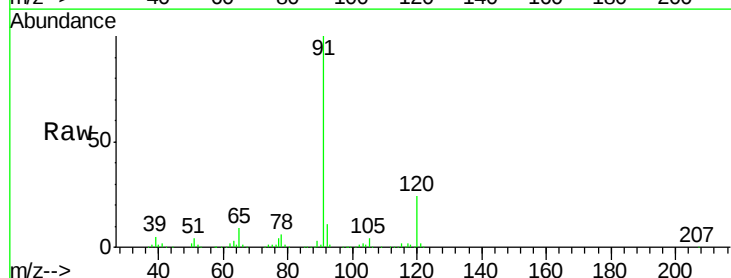
RT: 12.82 min Scan# 1853

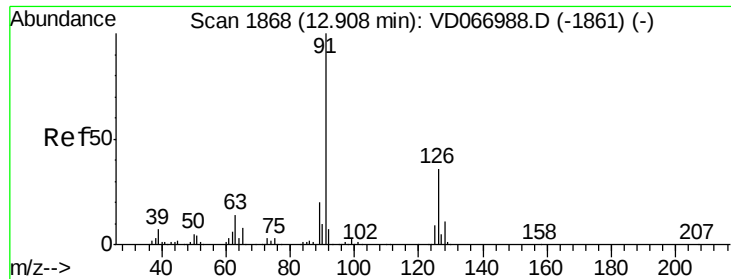
Delta R.T. 0.00 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.6	34.8





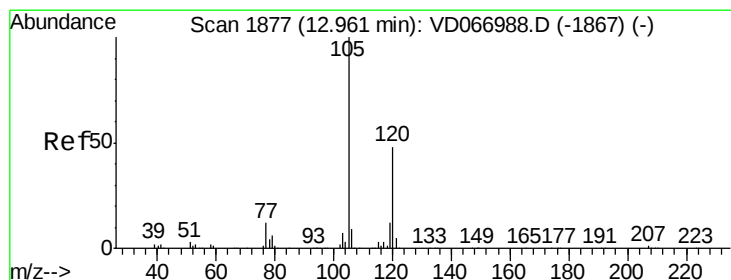
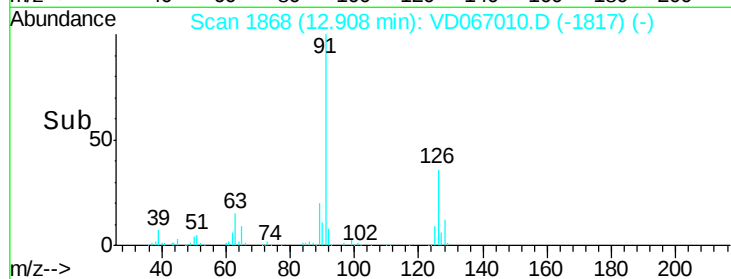
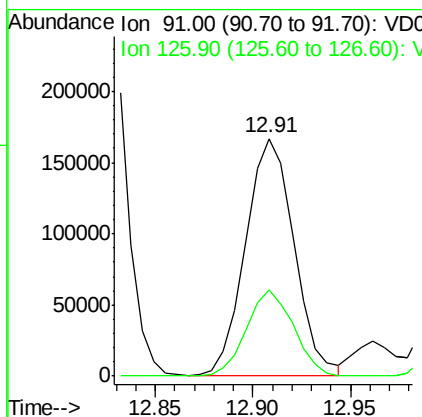
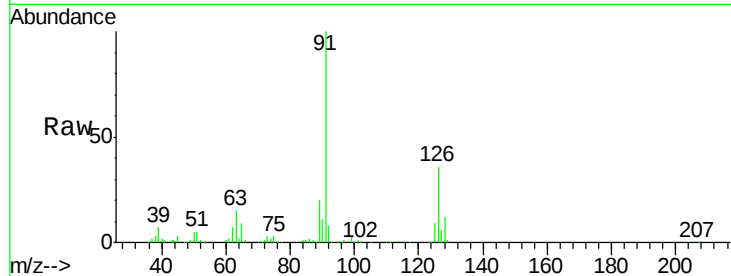
#79
2-Chlorotoluene
Concen: 19.710 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.5	52.6

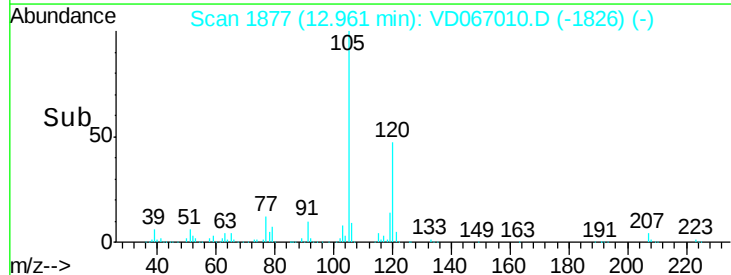
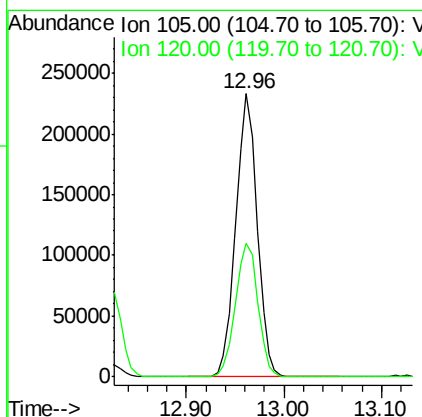
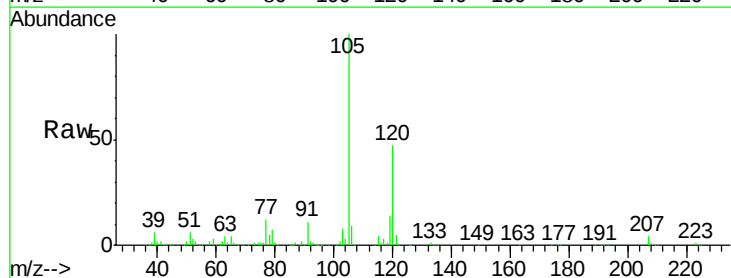
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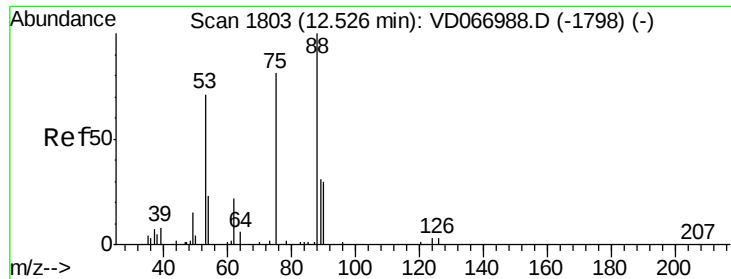
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 19.510 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.7	24.6	74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.720 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

Instrument :

MSVOA_D

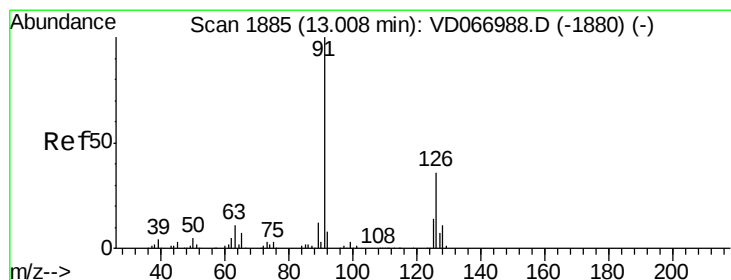
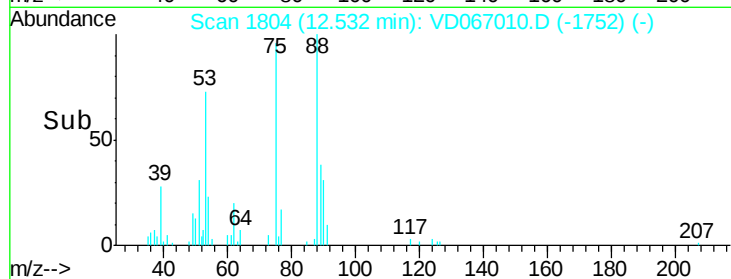
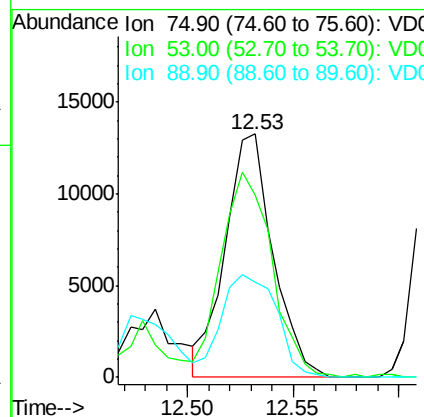
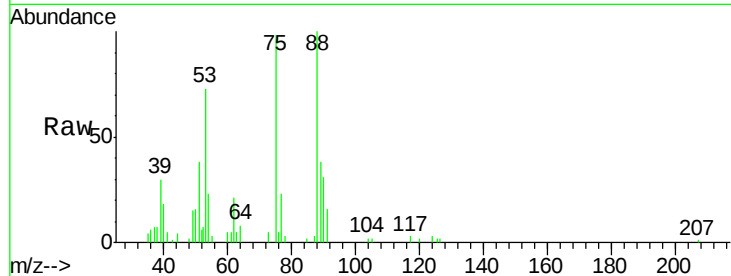
ClientSampleId :

VD1001SBS02

Tot Ion:	75	Resp:	20771
Ion	Ratio	Lower	Upper
75	100		
53	89.8	73.8	110.6
89	49.2	38.9	58.3

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#82

4-Chlorotoluene

Concen: 19.446 ug/l

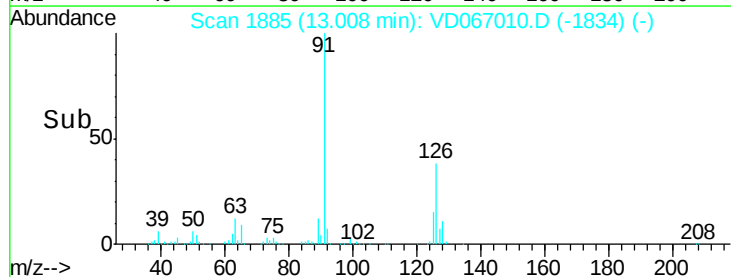
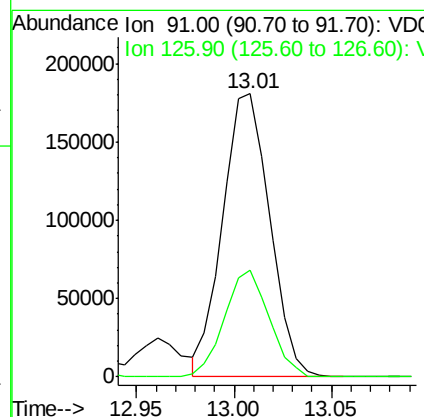
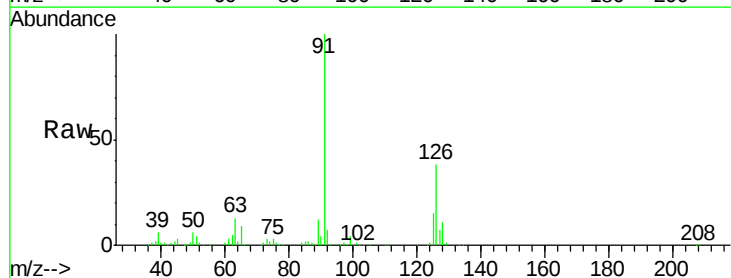
RT: 13.01 min Scan# 1885

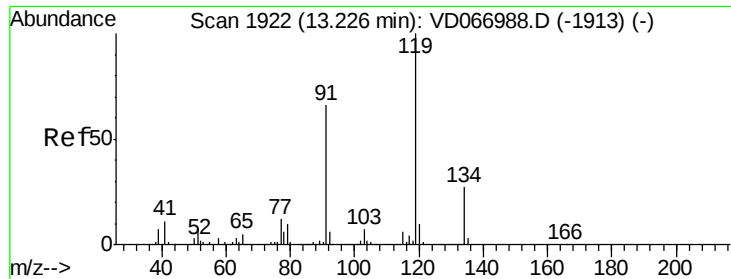
Delta R.T. 0.00 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

Tgt Ion:	91	Resp:	301681
Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.5	52.5





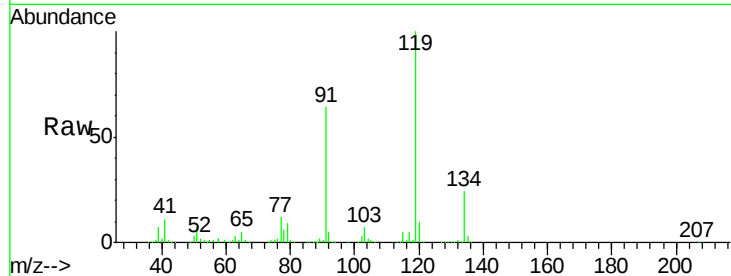
#83
tert-Butylbenzene
Concen: 18.909 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS02

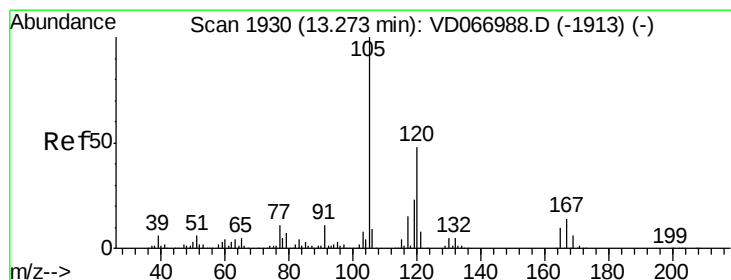
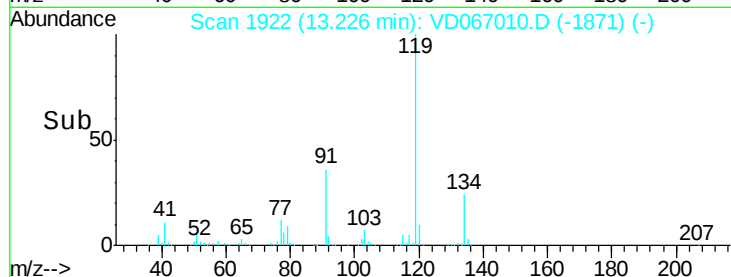
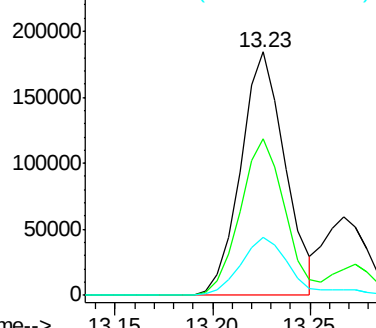
Tot Ion	Ratio	Resp	Lower	Upper
119	100	290109		
91	65.2		32.8	98.3
134	27.3		13.9	41.7

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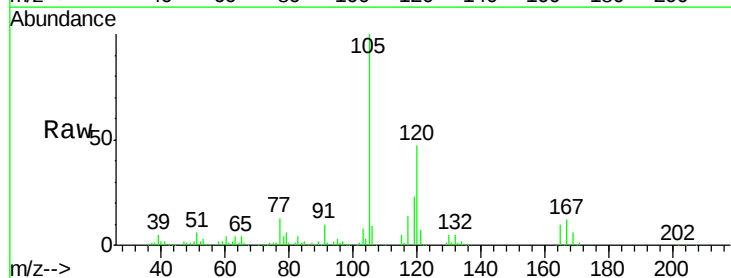


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

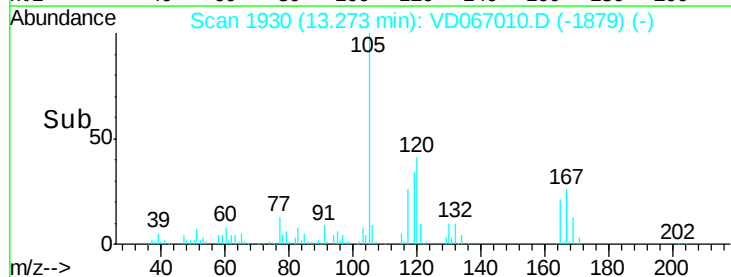
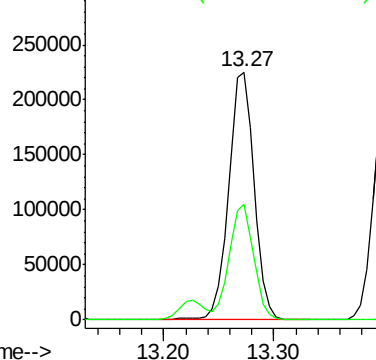


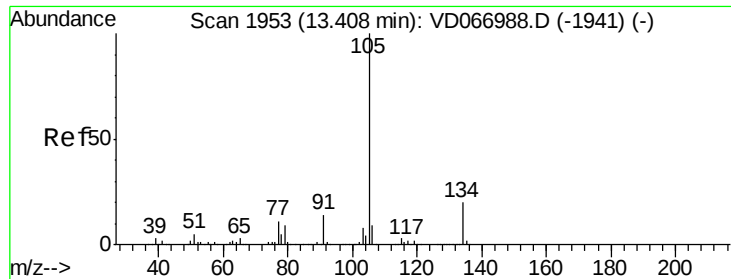
#84
1,2,4-Trimethylbenzene
Concen: 20.082 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	365140		
120	44.6		23.3	69.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.778 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS02

Tot Ion:105 Resp: 405725

Ion Ratio Lower Upper

105 100

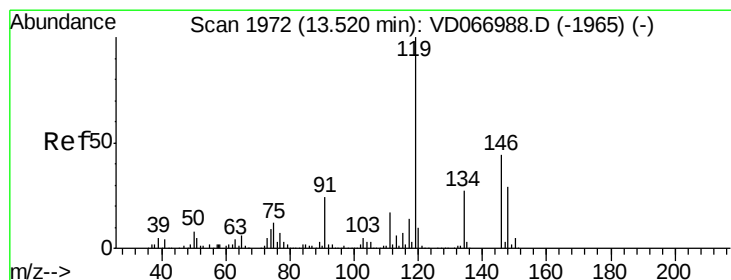
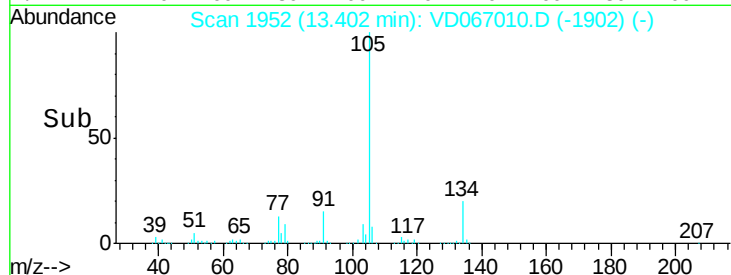
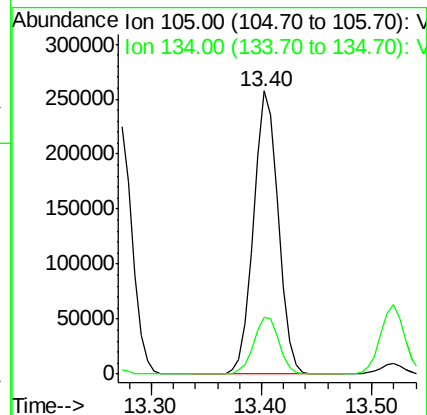
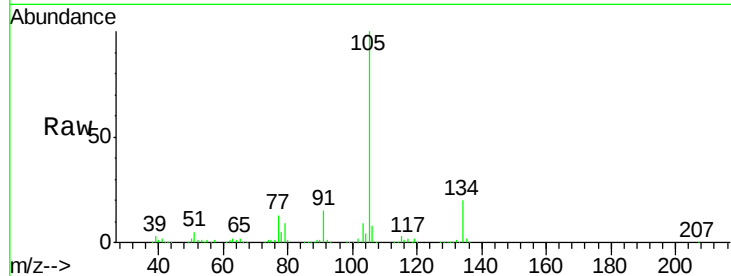
134 20.9 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 18.500 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067010.D

Acq: 02 Oct 2020 00:35

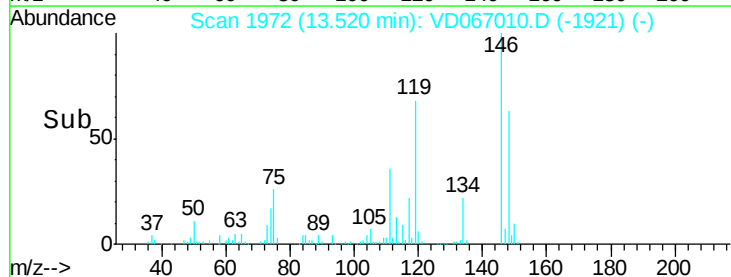
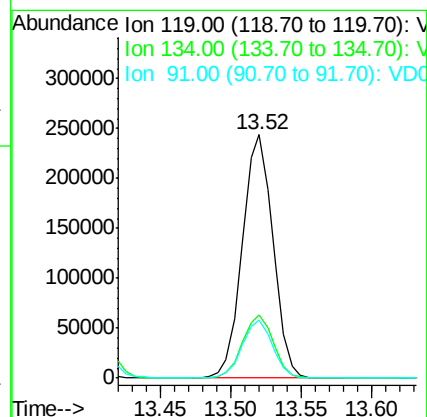
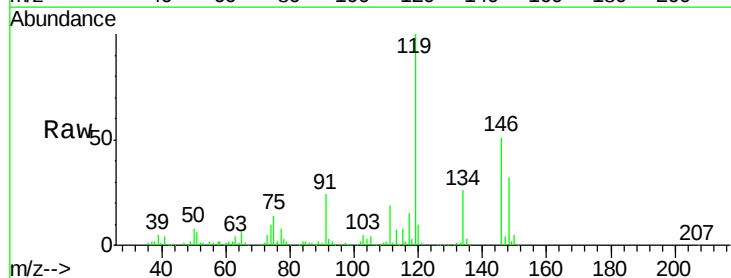
Tgt Ion:119 Resp: 370581

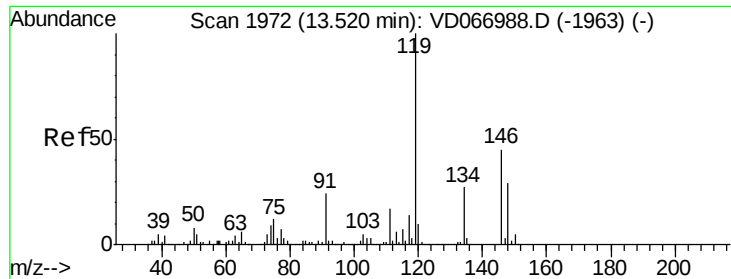
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.1

91 23.9 11.7 35.1





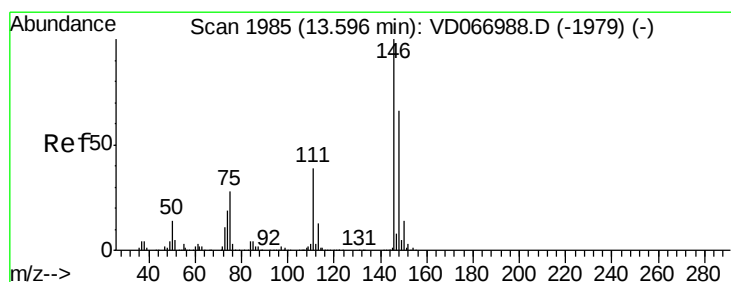
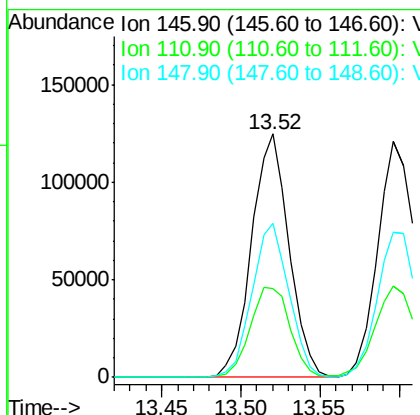
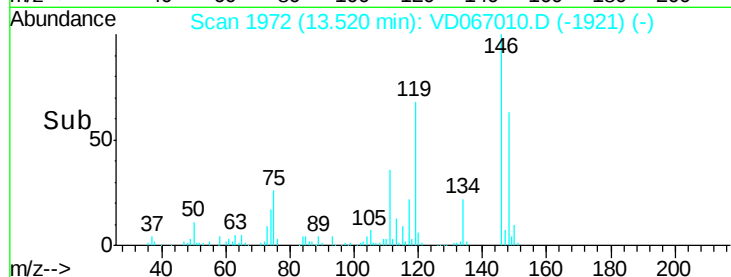
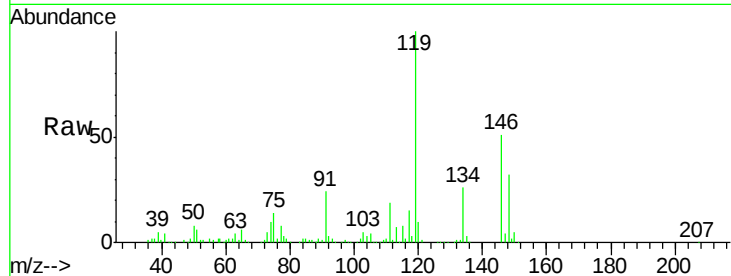
#87
 1,3-Dichlorobenzene
 Concen: 20.183 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067010.D
 Acq: 02 Oct 2020 00:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	204706		
111	39.2	20.0	60.0	
148	62.7	31.9	95.9	

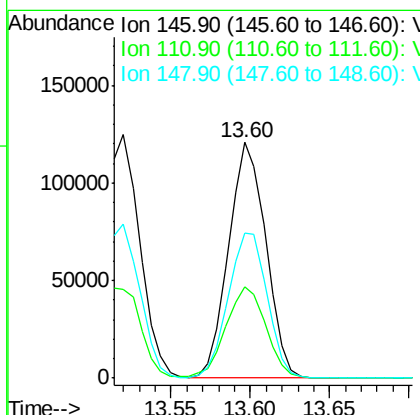
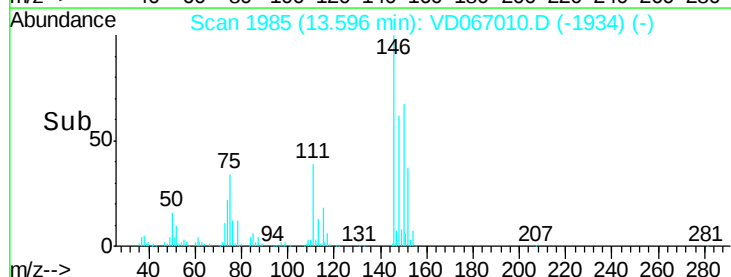
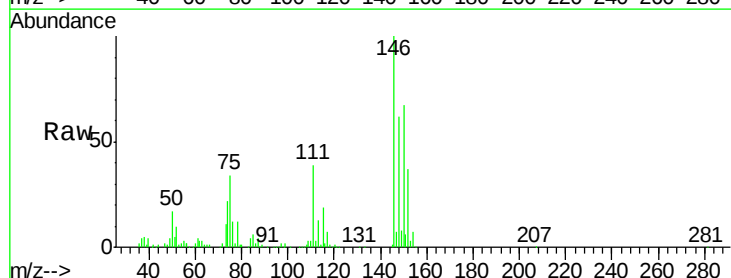
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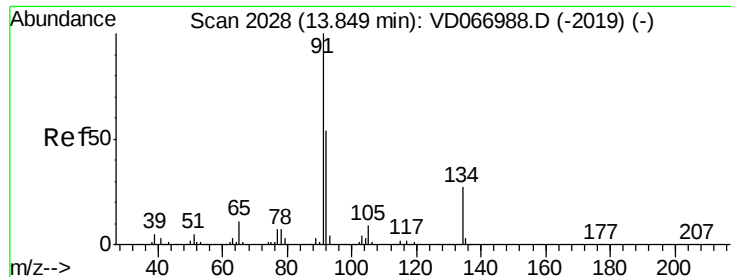
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#88
 1,4-Dichlorobenzene
 Concen: 19.416 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067010.D
 Acq: 02 Oct 2020 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	196903		
111	41.6	19.6	58.7	
148	64.4	32.6	97.7	





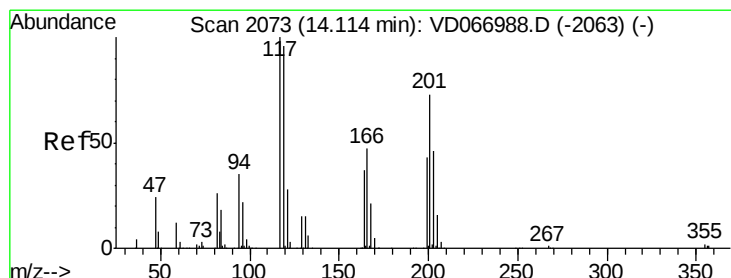
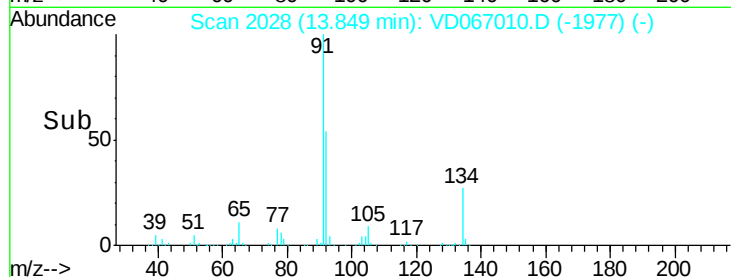
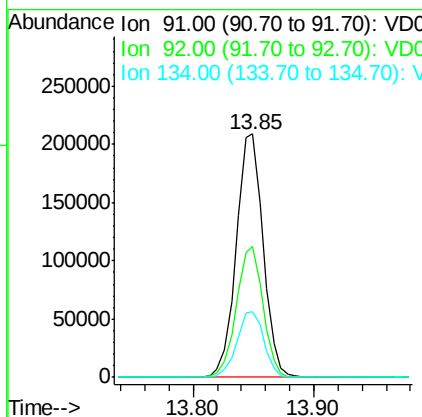
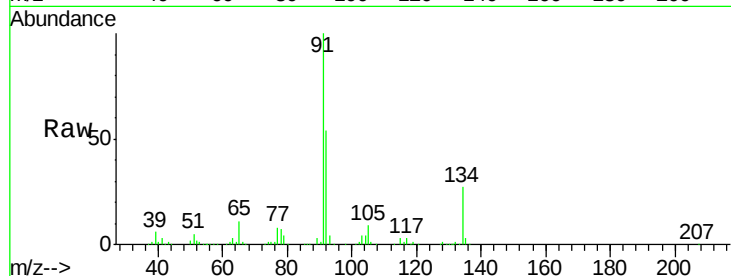
#89
n-Butylbenzene
Concen: 17.716 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	27.1	81.2
134	27.1	13.6	40.8

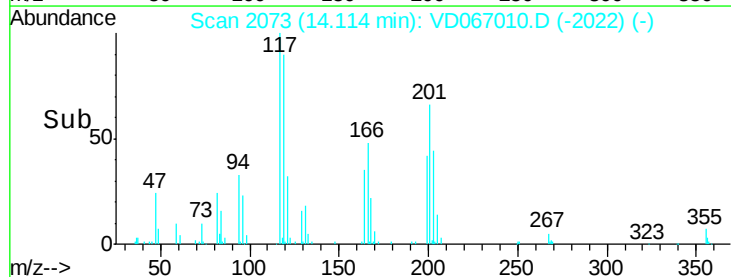
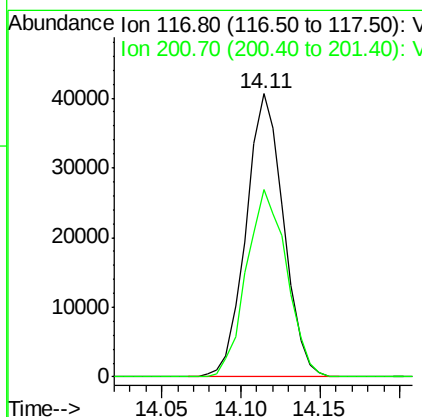
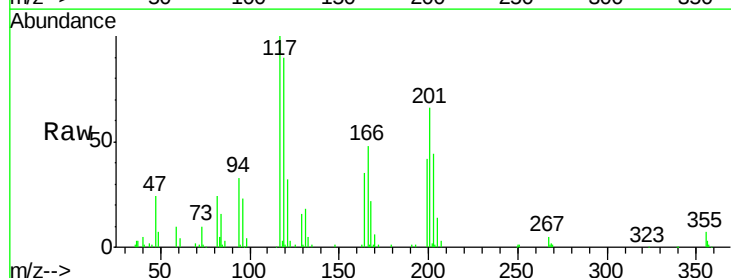
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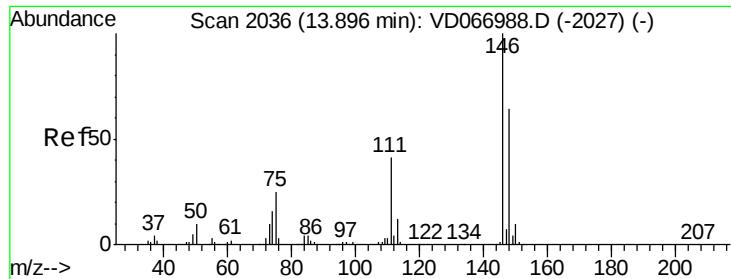
MMDadoda
10/2/2020 3:13:41 PM



#90
Hexachloroethane
Concen: 19.053 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.1	37.0	110.9





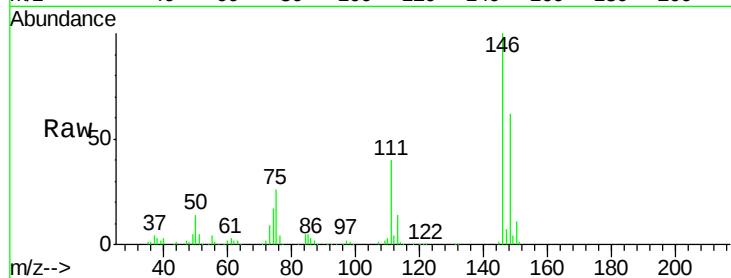
#91
 1,2-Dichlorobenzene
 Concen: 19.758 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD067010.D
 Acq: 02 Oct 2020 00:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS02

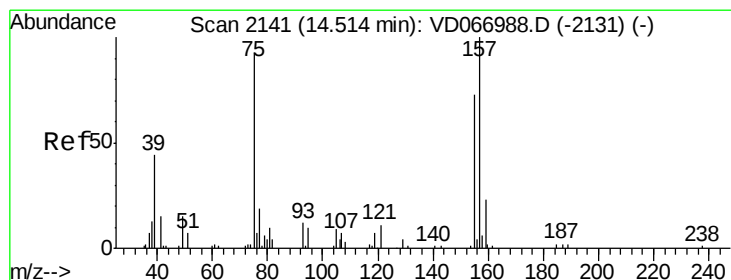
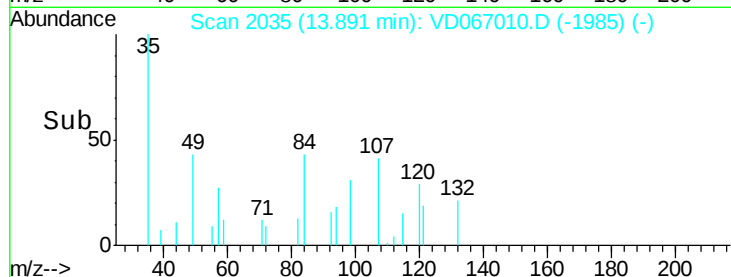
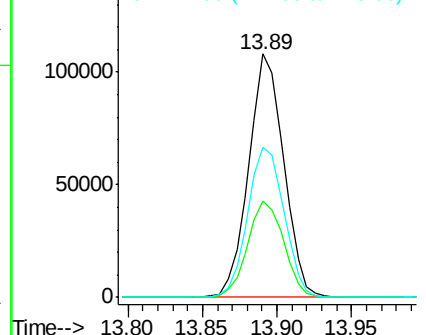
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.9	62.7
148	64.0	32.3	96.9

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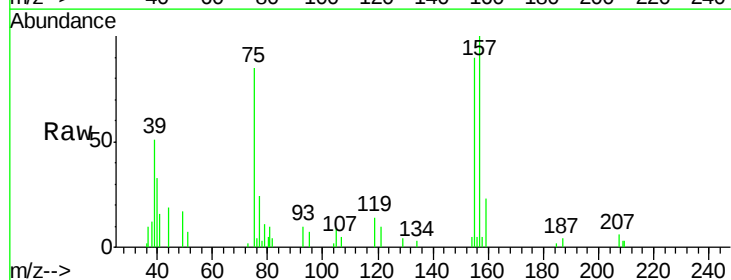


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

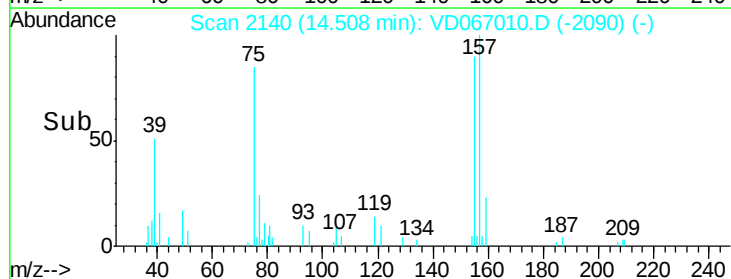
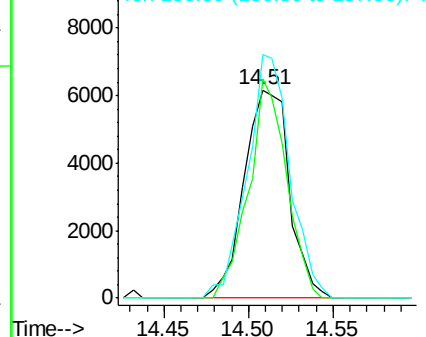


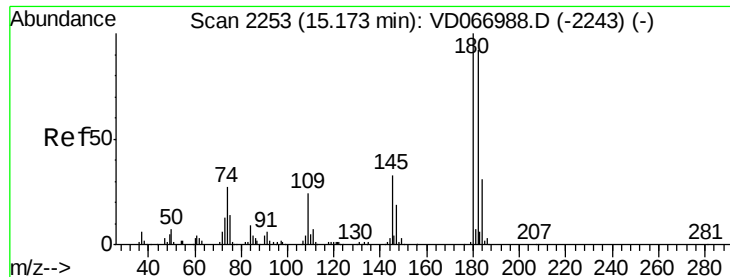
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.551 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067010.D
 Acq: 02 Oct 2020 00:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.7	45.2	135.6
157	111.0	56.3	168.8



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





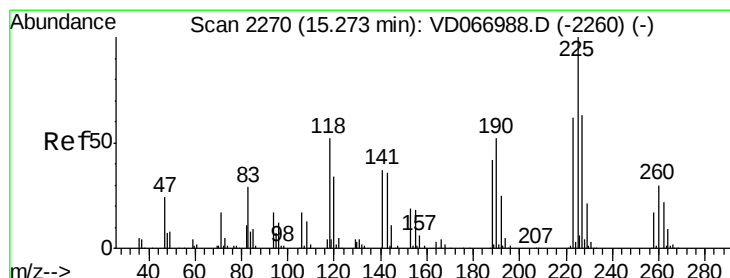
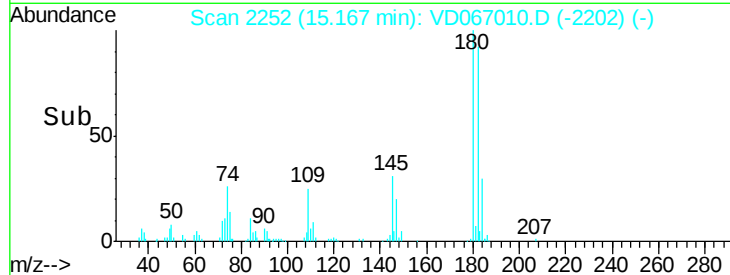
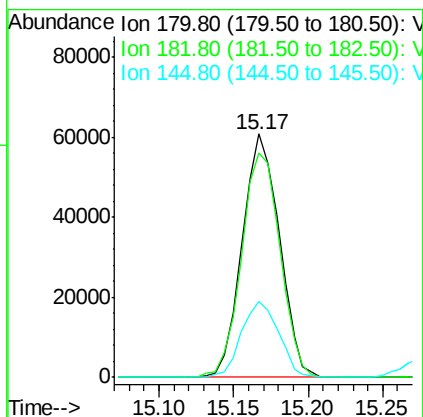
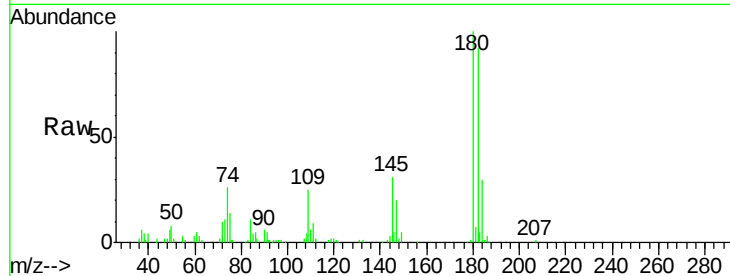
#93
 1,2,4-Trichlorobenzene
 Concen: 18.270 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067010.D
 Acq: 02 Oct 2020 00:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.9	47.3	142.0	
145	31.3	16.4	49.1	

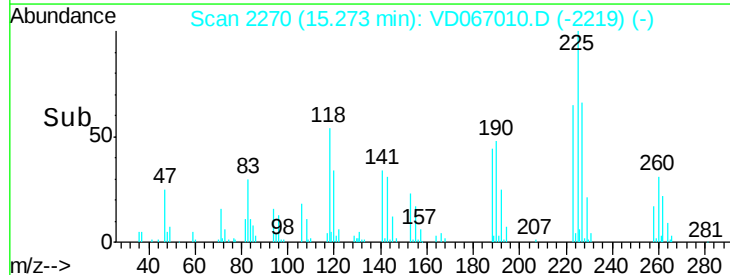
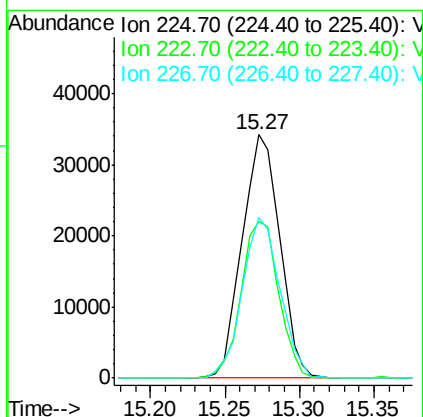
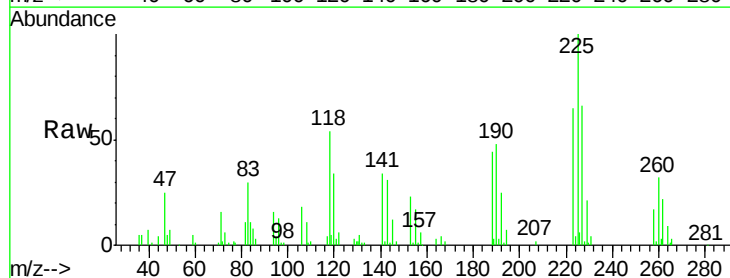
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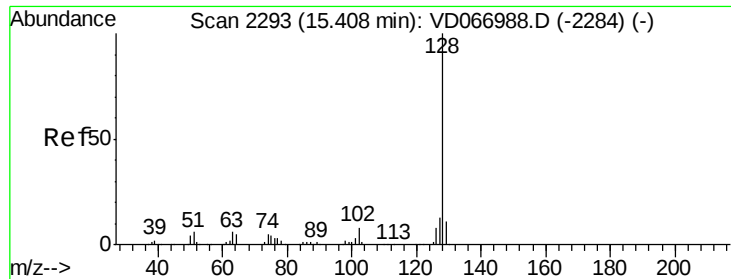
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#94
 Hexachlorobutadiene
 Concen: 17.033 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067010.D
 Acq: 02 Oct 2020 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.1	32.4	97.0	
227	65.9	31.6	95.0	





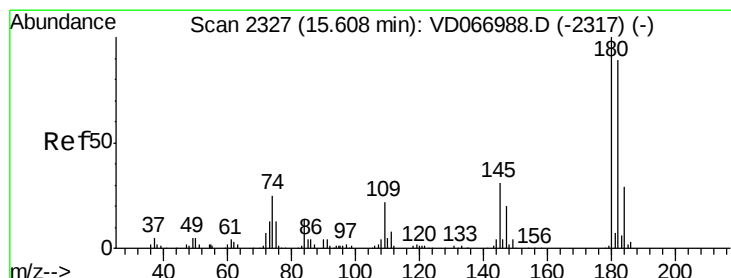
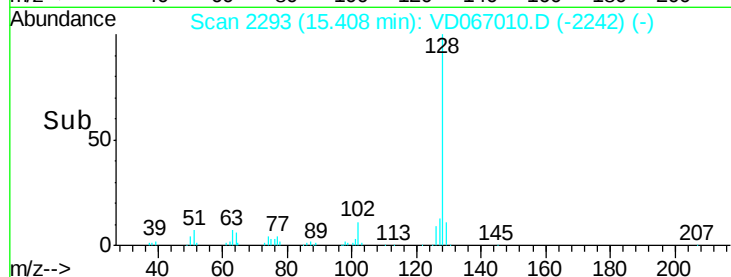
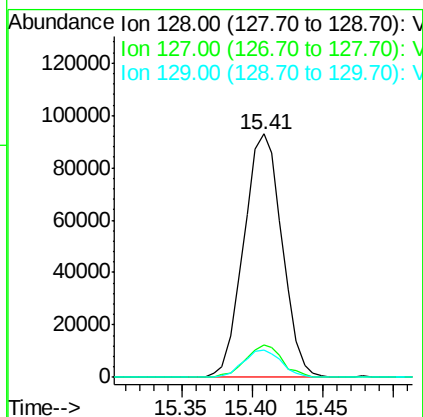
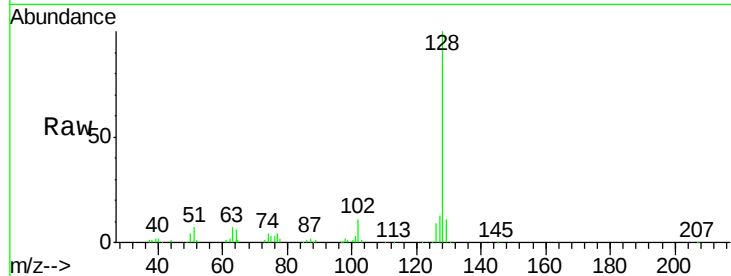
#95
Naphthalene
Concen: 18.492 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	11.1	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 19.286 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD067010.D
Acq: 02 Oct 2020 00:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	46.4	139.1
145	32.6	16.6	49.7

