

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067029.D
 Acq On : 02 Oct 2020 12:21
 Operator : VA/SY
 Sample : VD1002SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/5/2020 5:34:25 PM

Quant Time: Oct 03 04:58:54 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	464538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	706882	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	657874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	319580	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	209606	46.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.70%	
35) Dibromofluoromethane	7.91	113	230380	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
50) Toluene-d8	10.34	98	857374	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
62) 4-Bromofluorobenzene	12.63	95	291466	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	97535	23.448	ug/l	94
3) Chloromethane	2.21	50	74152	20.044	ug/l	94
4) Vinyl Chloride	2.35	62	74570	20.103	ug/l	100
5) Bromomethane	2.76	94	55429	20.639	ug/l	98
6) Chloroethane	2.91	64	44810	19.836	ug/l	95
7) Trichlorofluoromethane	3.27	101	167793	20.360	ug/l	95
8) Diethyl Ether	3.71	74	40242	19.691	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	95334	20.466	ug/l	98
10) Methyl Iodide	4.30	142	80485	17.782	ug/l	99
11) Tert butyl alcohol	5.21	59	33814	99.746	ug/l #	82
12) 1,1-Dichloroethene	4.07	96	86534	19.761	ug/l	95
13) Acrolein	3.91	56	27208	90.813	ug/l	97
14) Allyl chloride	4.71	41	111480	19.596	ug/l	99
15) Acrylonitrile	5.41	53	74015	98.401	ug/l	96
16) Acetone	4.16	43	65749	96.262	ug/l	92
17) Carbon Disulfide	4.41	76	272853	20.303	ug/l	98
18) Methyl Acetate	4.71	43	34074	19.849	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	151606	18.965	ug/l	96
20) Methylene Chloride	4.96	84	112983	18.766	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	98619	19.789	ug/l	97
22) Diisopropyl ether	6.36	45	212576	20.468	ug/l #	97
23) Vinyl Acetate	6.30	43	572922	97.349	ug/l	99
24) 1,1-Dichloroethane	6.26	63	162047	20.218	ug/l	98
25) 2-Butanone	7.21	43	90425	93.379	ug/l	98
26) 2,2-Dichloropropane	7.21	77	150195	19.389	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	106139	19.942	ug/l	99
28) Bromochloromethane	7.54	49	56444	18.235	ug/l	99
29) Tetrahydrofuran	7.56	42	54425	97.746	ug/l	100
30) Chloroform	7.71	83	177751	20.443	ug/l	99
31) Cyclohexane	7.98	56	133860	19.921	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	164064	20.360	ug/l	99
36) 1,1-Dichloropropene	8.11	75	138308	20.991	ug/l	99
37) Ethyl Acetate	7.29	43	43701	19.145	ug/l	96
38) Carbon Tetrachloride	8.09	117	151186	21.207	ug/l	94

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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	143272	20.567	ug/l	93
40) Benzene	8.34	78	377652	20.635	ug/l	98
41) Methacrylonitrile	7.53	41	25309m	20.524	ug/l	
42) 1,2-Dichloroethane	8.42	62	102919	20.125	ug/l	100
43) Isopropyl Acetate	8.45	43	81860	19.467	ug/l	97
44) Trichloroethene	9.11	130	114485	20.949	ug/l	99
45) 1,2-Dichloropropane	9.38	63	90360	21.014	ug/l	93
46) Dibromomethane	9.47	93	51109	20.680	ug/l	98
47) Bromodichloromethane	9.66	83	133742	20.818	ug/l	98
48) Methyl methacrylate	9.45	41	43842	20.351	ug/l	92
49) 1,4-Dioxane	9.46	88	9562	370.704	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	209090	99.828	ug/l	98
52) Toluene	10.40	92	251656	21.347	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	117683	20.496	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	142517	20.327	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	69874	20.335	ug/l	92
56) Ethyl methacrylate	10.66	69	73881	20.826	ug/l	98
57) 1,3-Dichloropropane	10.94	76	116472	20.903	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	199759	101.169	ug/l	100
59) 2-Hexanone	10.98	43	139851	100.039	ug/l	98
60) Dibromochloromethane	11.14	129	95437	20.839	ug/l	98
61) 1,2-Dibromoethane	11.24	107	67107	20.329	ug/l	96
64) Tetrachloroethene	10.87	164	97856	20.460	ug/l	97
65) Chlorobenzene	11.67	112	270772	20.695	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	103059	20.707	ug/l	99
67) Ethyl Benzene	11.74	91	466653	20.815	ug/l	99
68) m/p-Xylenes	11.86	106	366382	41.935	ug/l	98
69) o-Xylene	12.18	106	161723	20.699	ug/l	96
70) Styrene	12.20	104	282236	21.037	ug/l	99
71) Bromoform	12.36	173	52802	20.438	ug/l #	100
73) Isopropylbenzene	12.48	105	459744	21.186	ug/l	99
74) N-amyl acetate	12.29	43	75613	19.383	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	73536	20.113	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	58180m	20.901	ug/l	
77) Bromobenzene	12.76	156	107028	20.426	ug/l	99
78) n-propylbenzene	12.82	91	536221	20.909	ug/l	100
79) 2-Chlorotoluene	12.91	91	300918	20.508	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	386220	21.066	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	21692	19.428	ug/l	98
82) 4-Chlorotoluene	13.01	91	322335	20.648	ug/l	100
83) tert-Butylbenzene	13.23	119	325035	21.053	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	382896	20.927	ug/l	99
85) sec-Butylbenzene	13.41	105	453773	20.871	ug/l	99
86) p-Isopropyltoluene	13.52	119	420070	20.840	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	212555	20.826	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	209369	20.516	ug/l	99
89) n-Butylbenzene	13.85	91	379975	20.626	ug/l	98
90) Hexachloroethane	14.11	117	72037	20.402	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	182857	20.515	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10655	18.079	ug/l	94

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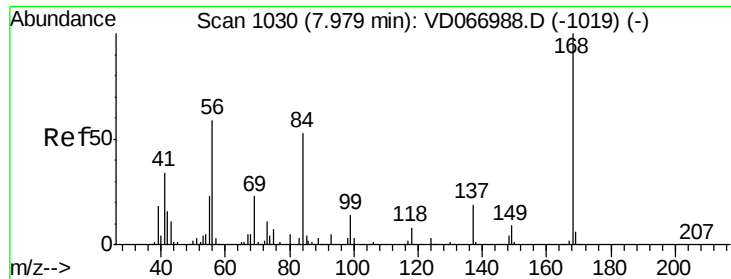
Manual Integrations
APPROVED

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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)
93) 1,2,4-Trichlorobenzene	15.17	180	114258	19.818	ug/l	100
94) Hexachlorobutadiene	15.27	225	71123	20.087	ug/l	98
95) Naphthalene	15.41	128	178071	18.517	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	97966	19.574	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion:168 Resp: 464538

Ion Ratio Lower Upper

168 100

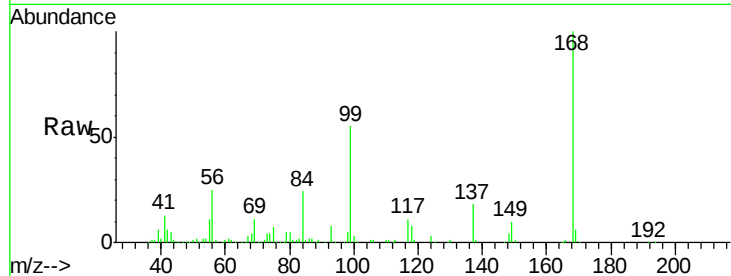
99 54.4 44.1 66.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

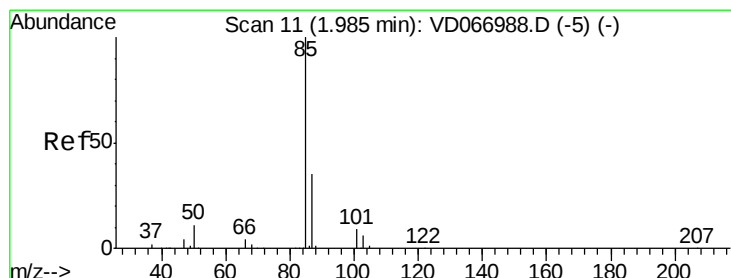
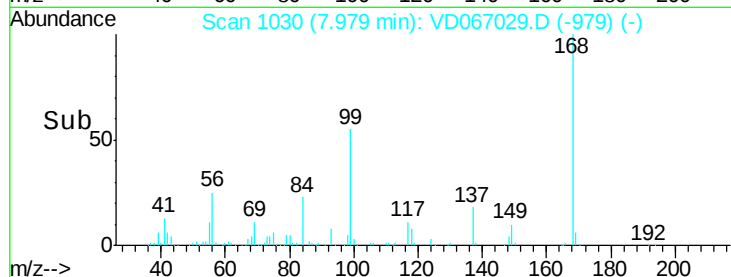
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.448 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067029.D

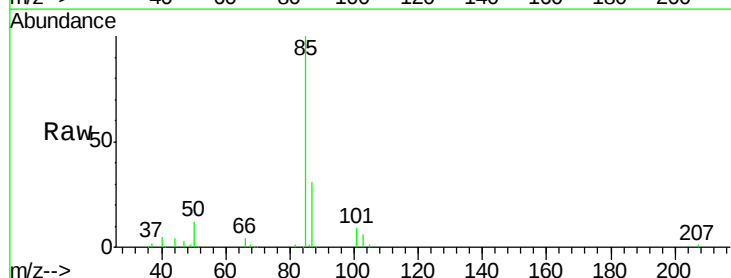
Acq: 02 Oct 2020 12:21

Tgt Ion: 85 Resp: 97535

Ion Ratio Lower Upper

85 100

87 31.5 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

80000

60000

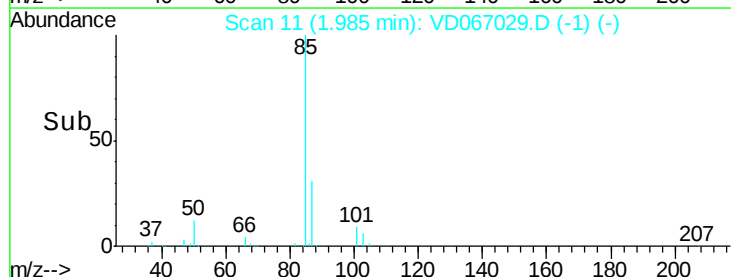
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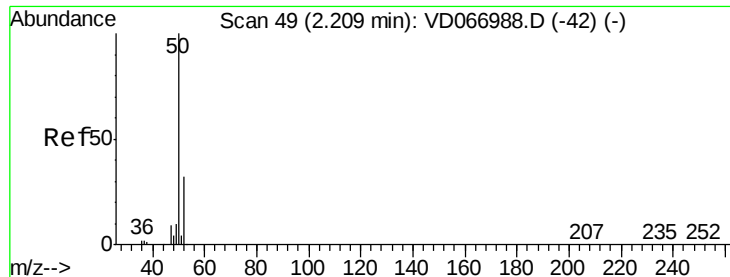
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.044 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion: 50 Resp: 74152

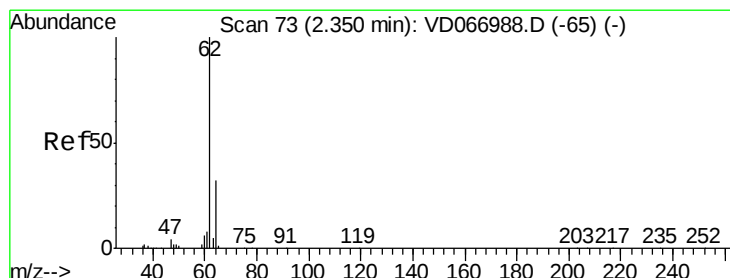
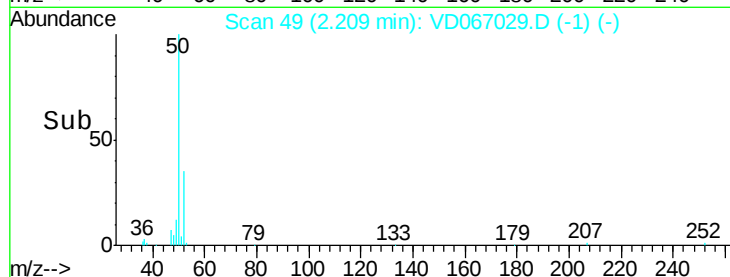
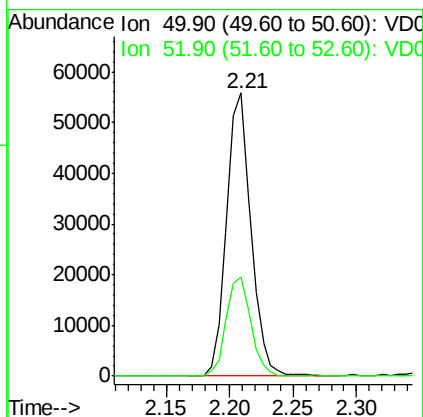
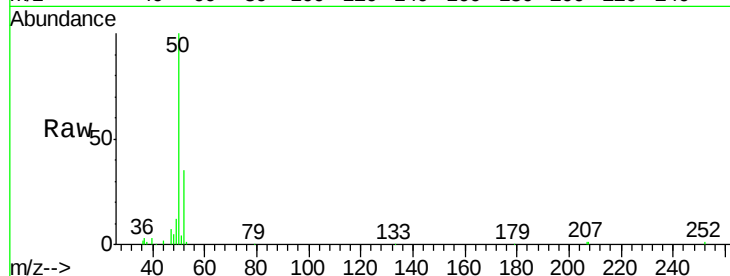
Ion Ratio Lower Upper

50 100

52 35.1 25.3 37.9

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#4

Vinyl Chloride

Concen: 20.103 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067029.D

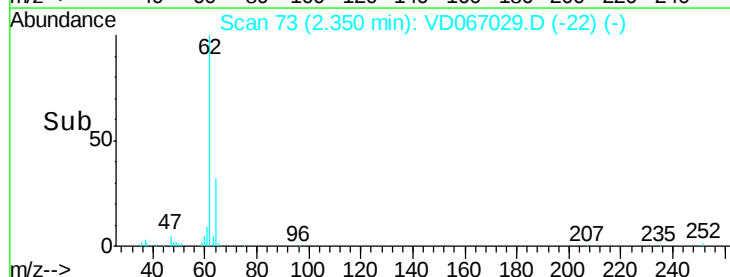
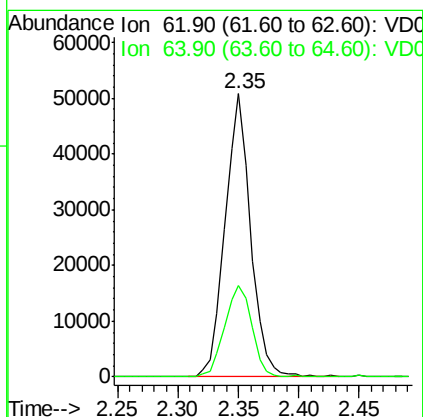
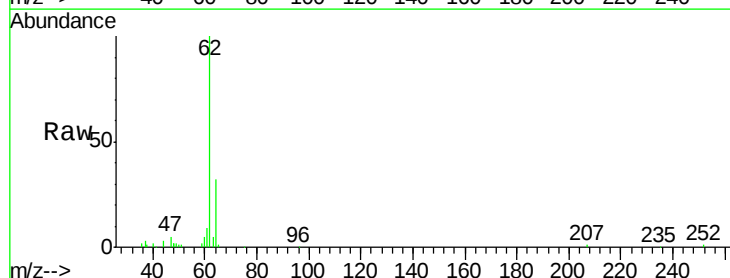
Acq: 02 Oct 2020 12:21

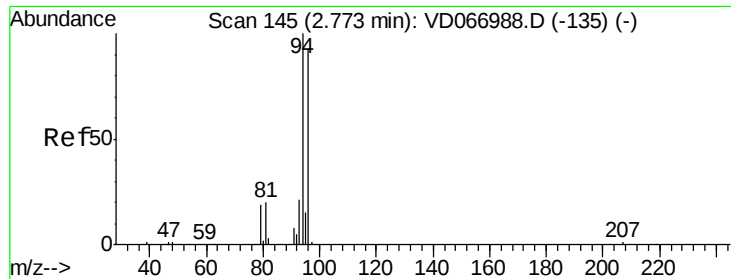
Tgt Ion: 62 Resp: 74570

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.8





#5

Bromomethane

Concen: 20.639 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion: 94 Resp: 55429

Ion Ratio Lower Upper

94 100

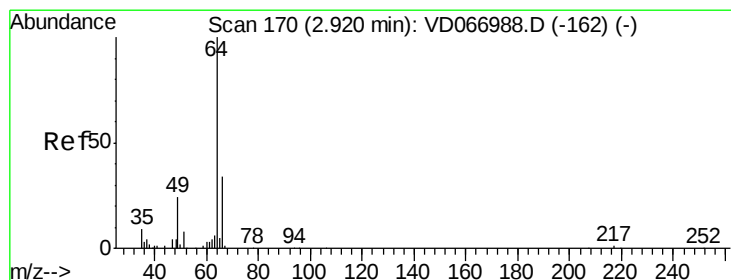
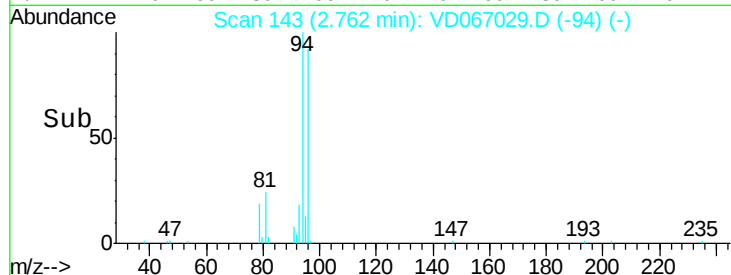
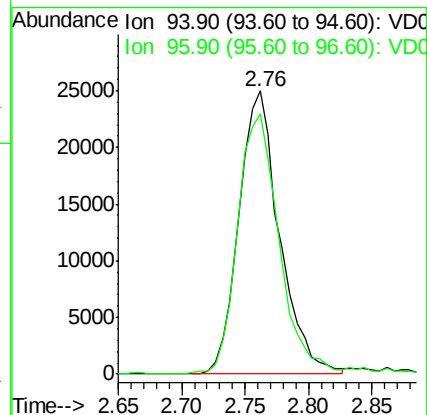
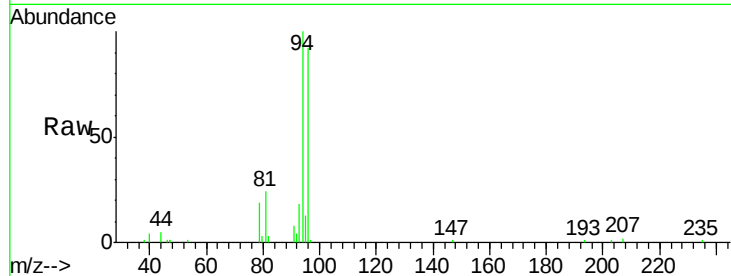
96 91.3 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 19.836 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD067029.D

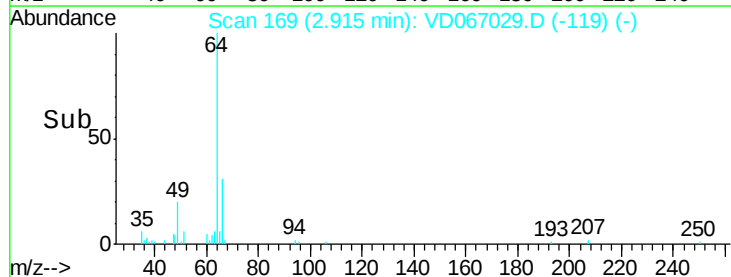
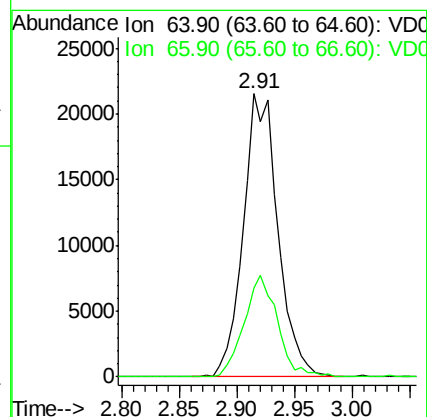
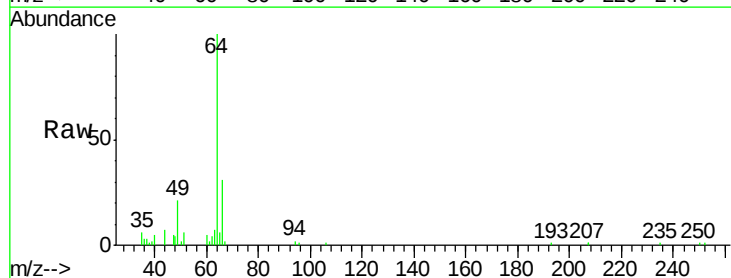
Acq: 02 Oct 2020 12:21

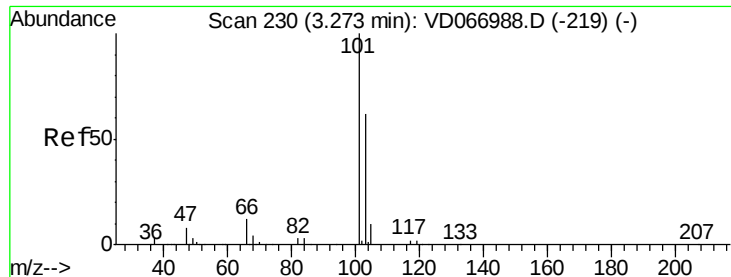
Tgt Ion: 64 Resp: 44810

Ion Ratio Lower Upper

64 100

66 31.2 27.0 40.6





#7

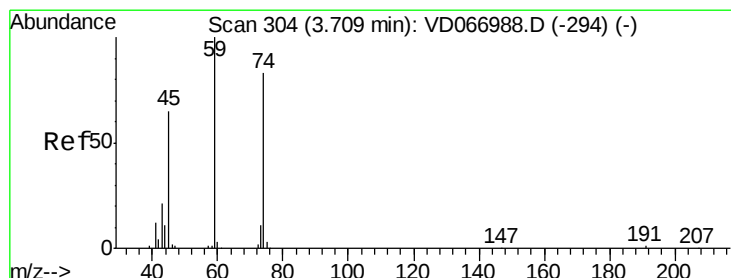
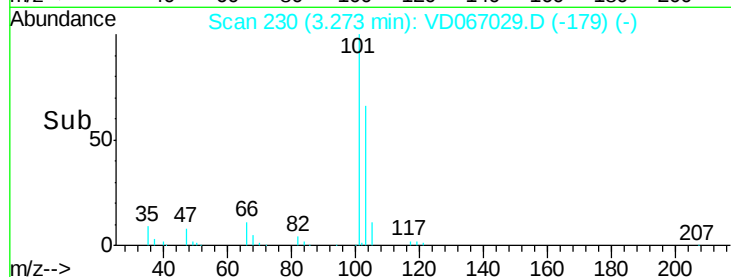
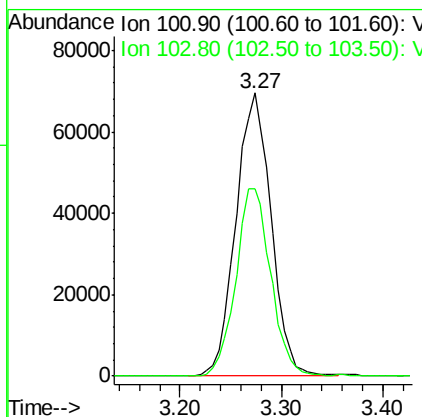
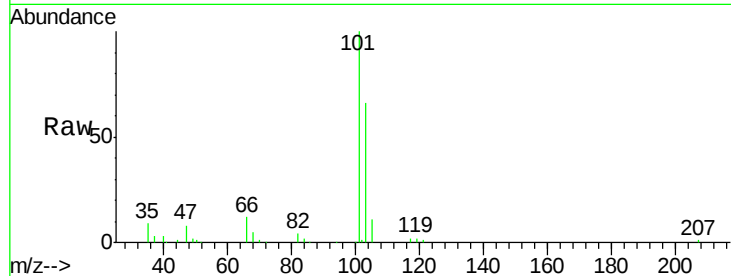
Trichlorofluoromethane
Concen: 20.360 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

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VD1002SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	167793		
103	66.3	49.8	74.8	

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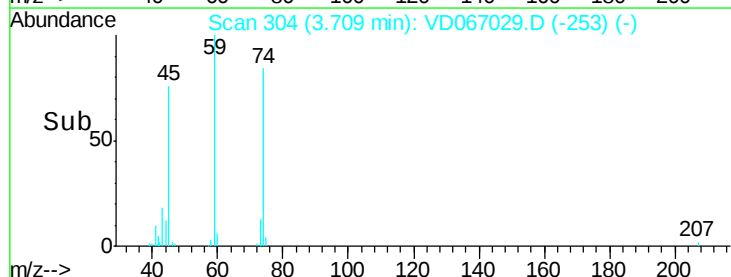
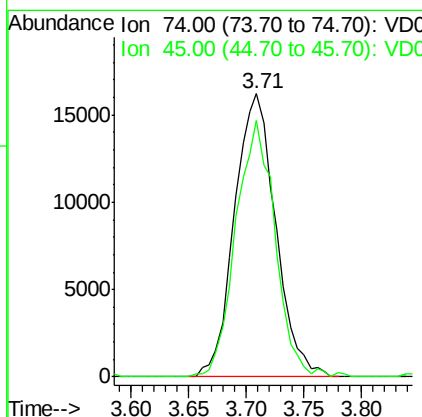
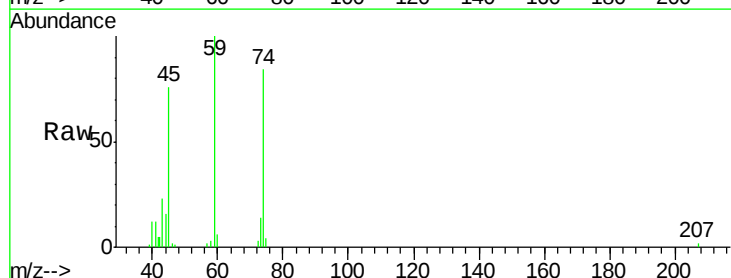
MMDadoda
10/5/2020 5:34:25 PM

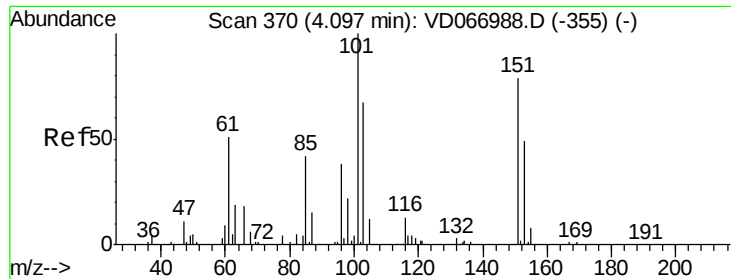


#8

Diethyl Ether
Concen: 19.691 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	40242		
45	85.8	43.1	129.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.466 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

Instrument :

MSVOA_D

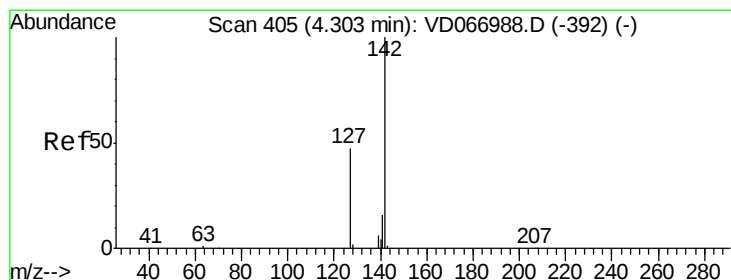
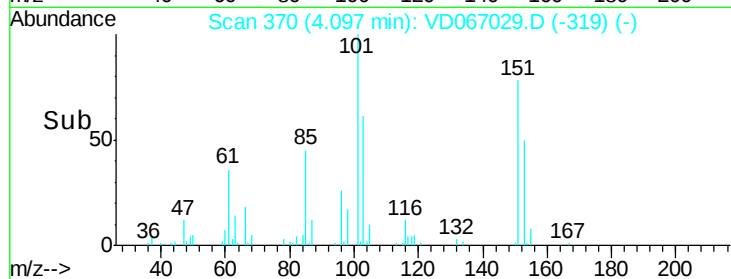
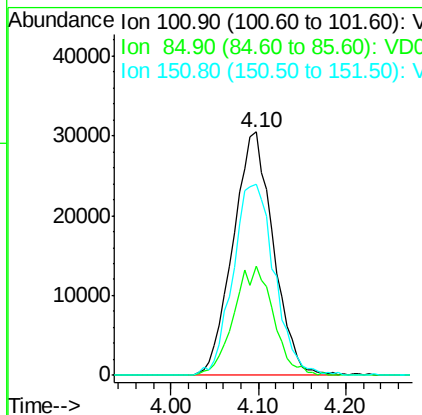
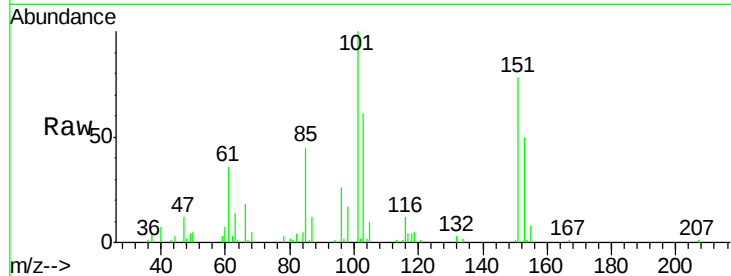
ClientSampleId :

VD1002SBS01

Tot Ion:	101	Resp:	95334
Ion Ratio	Lower	Upper	
101	100		
85	44.2	33.8	50.8
151	81.1	63.8	95.8

Manual Integrations
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#10

Methyl Iodide

Concen: 17.782 ug/l

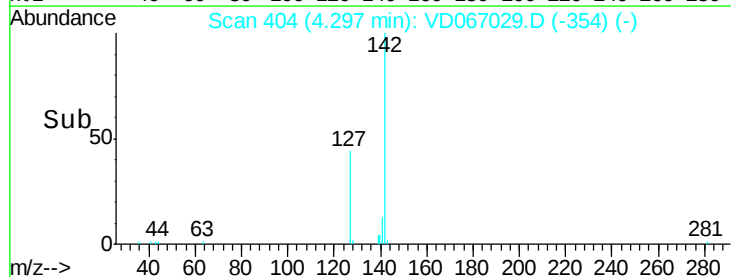
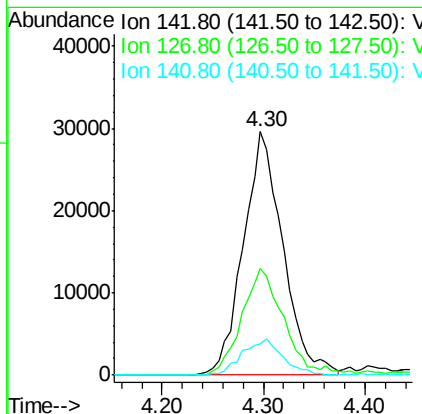
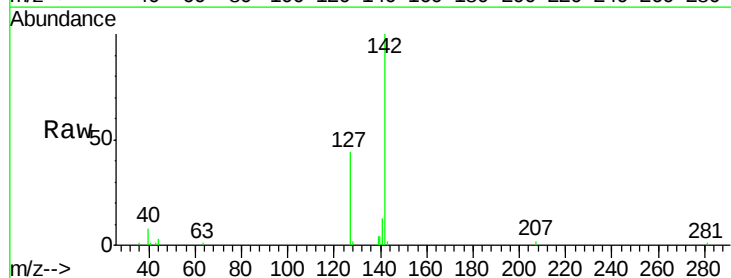
RT: 4.30 min Scan# 404

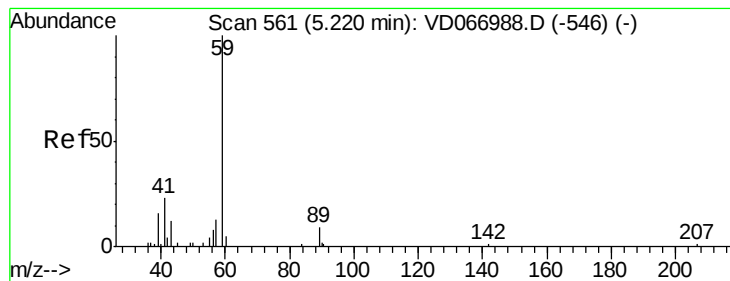
Delta R.T. -0.01 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

Tgt Ion:	142	Resp:	80485
Ion Ratio	Lower	Upper	
142	100		
127	46.1	36.3	54.5
141	15.2	12.0	18.0





#11

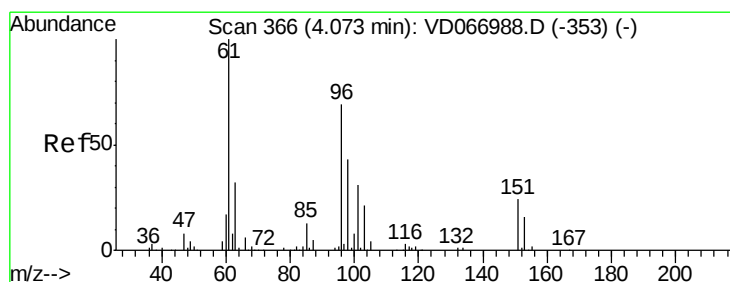
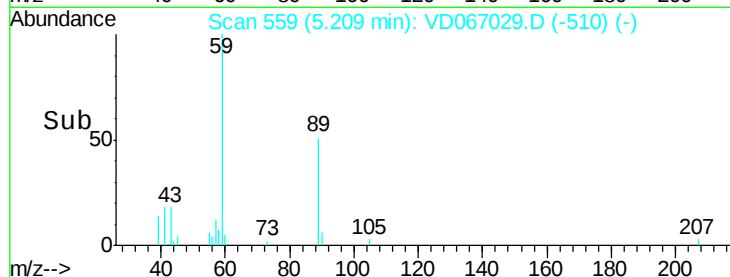
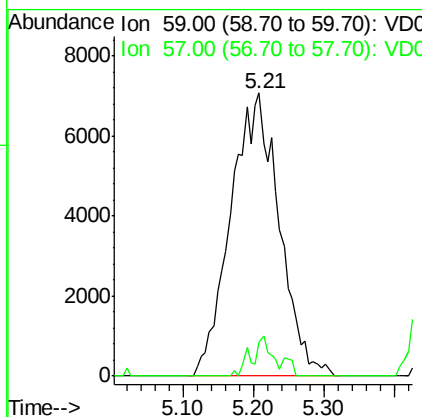
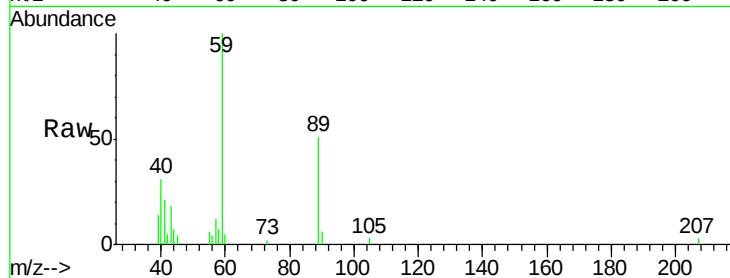
Tert butyl alcohol
 Concen: 99.746 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD067029.D
 Acq: 02 Oct 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	33814		
57	3.8	8.2	12.4	

Manual Integrations
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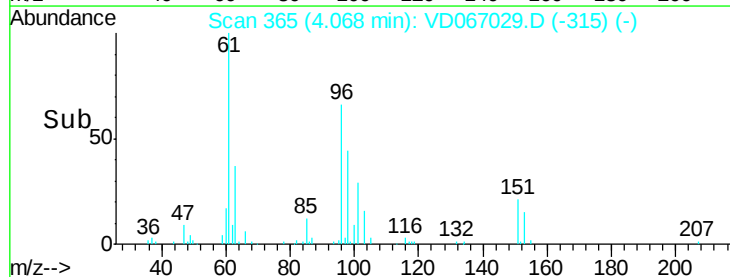
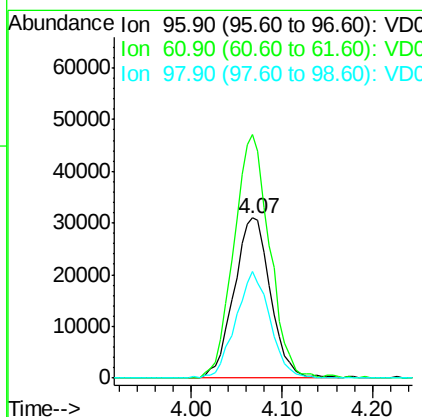
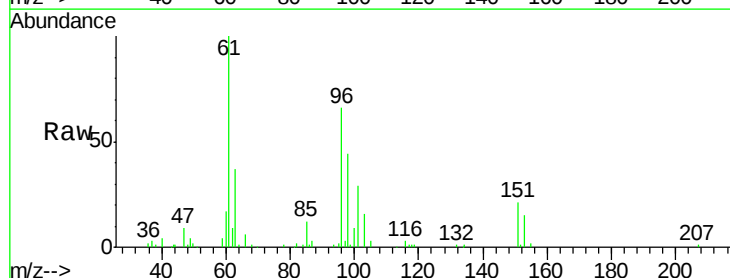
MMDadoda
 10/5/2020 5:34:25 PM

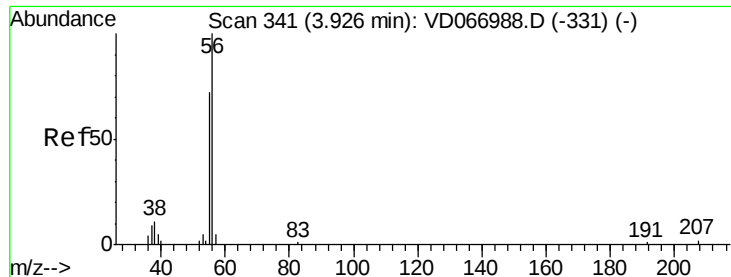


#12

1,1-Dichloroethene
 Concen: 19.761 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VD067029.D
 Acq: 02 Oct 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	86534		
61	151.8	116.4	174.6	
98	66.6	49.9	74.9	





#13

Acrolein

Concen: 90.813 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion: 56 Resp: 27208

Ion Ratio Lower Upper

56 100

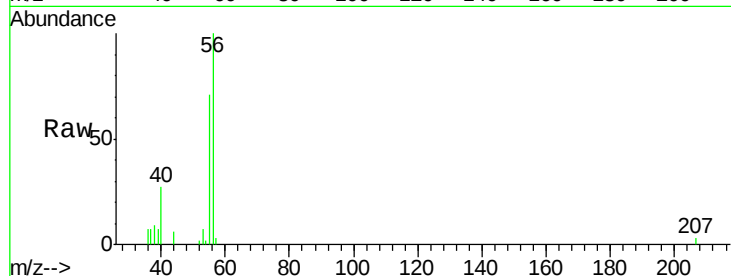
55 68.8 56.9 85.3

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

4000

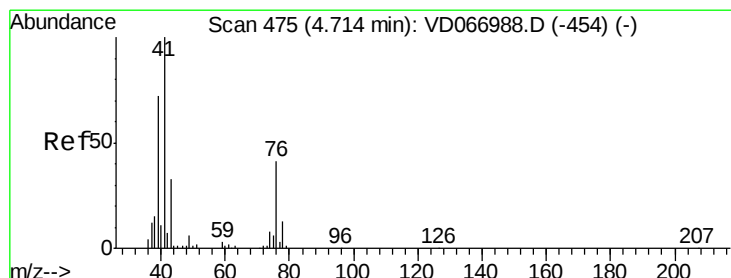
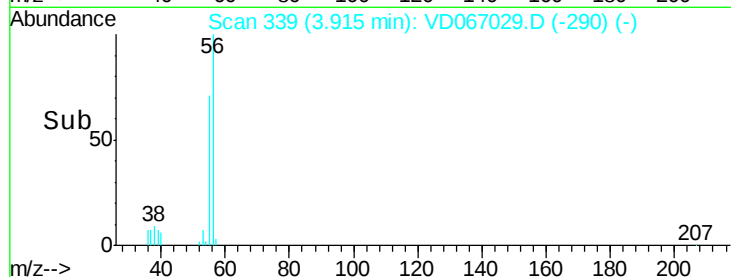
2000

0

Time-->

3.85 3.90 3.95 4.00

3.91



#14

Allyl chloride

Concen: 19.596 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

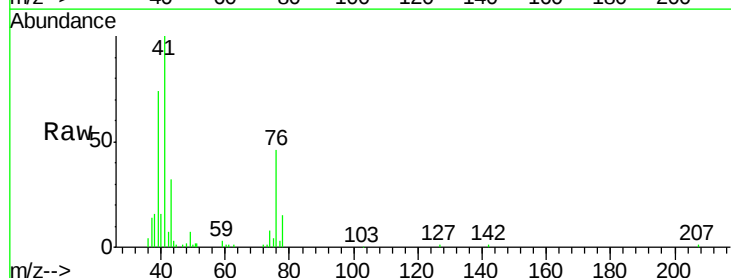
Tgt Ion: 41 Resp: 111480

Ion Ratio Lower Upper

41 100

39 69.8 56.2 84.2

76 43.7 34.2 51.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

40000

30000

20000

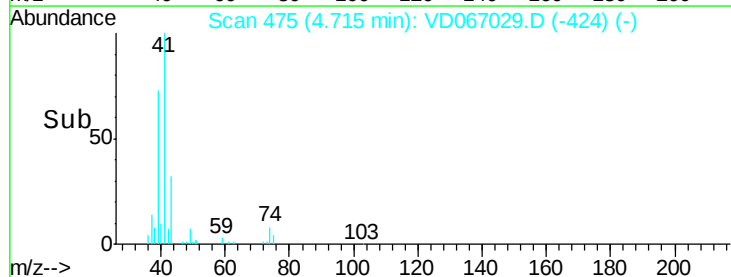
10000

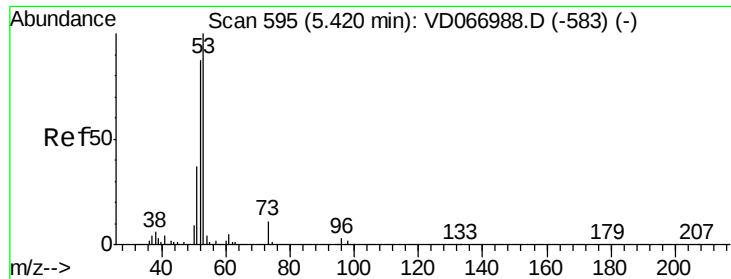
0

Time-->

4.60 4.70 4.80

4.71





#15

Acrylonitrile

Concen: 98.401 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

Instrument :

MSVOA_D

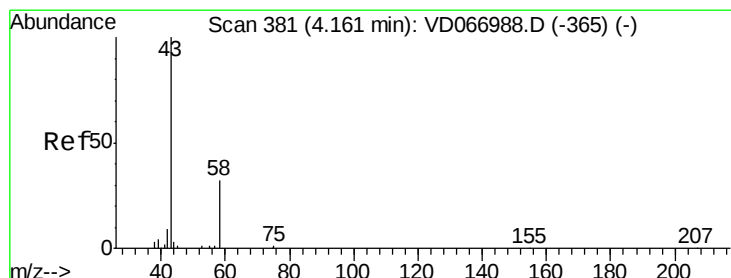
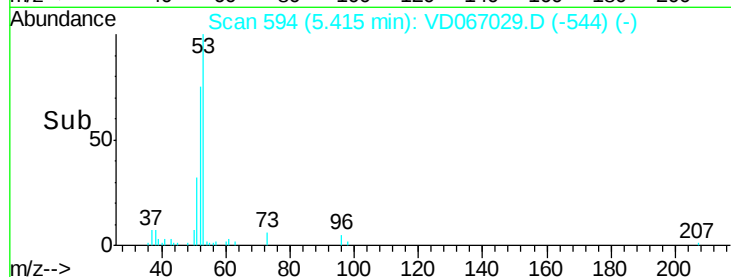
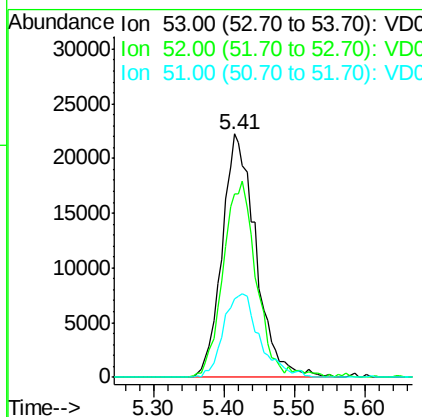
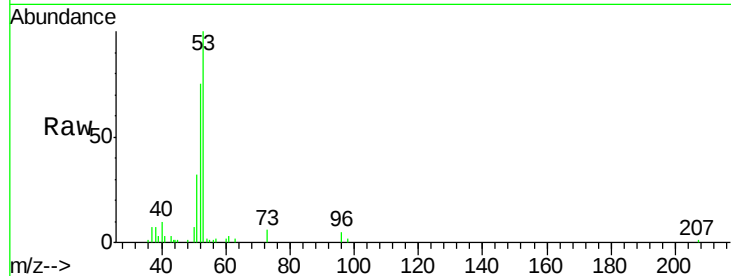
ClientSampleId :

VD1002SBS01

Tot Ion:	53	Resp:	74015
Ion	Ratio	Lower	Upper
53	100		
52	79.5	67.3	100.9
51	36.7	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 96.262 ug/l

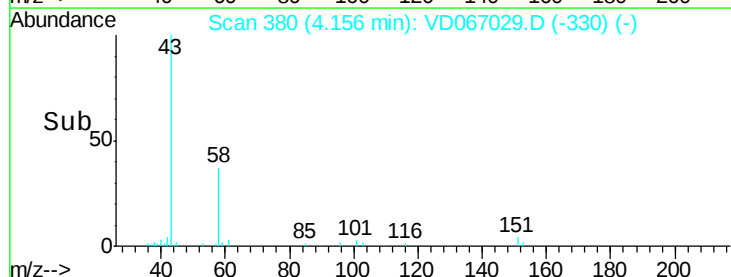
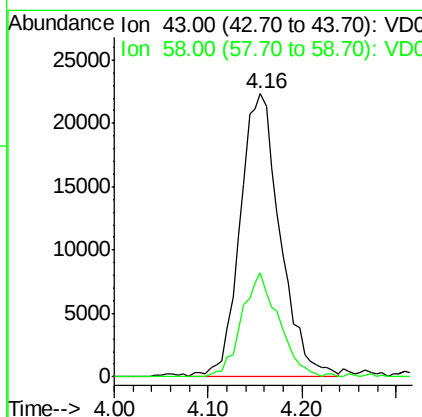
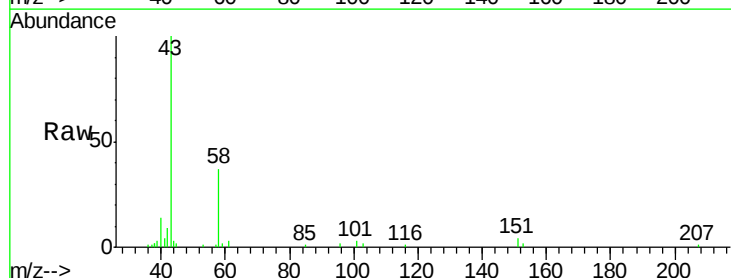
RT: 4.16 min Scan# 380

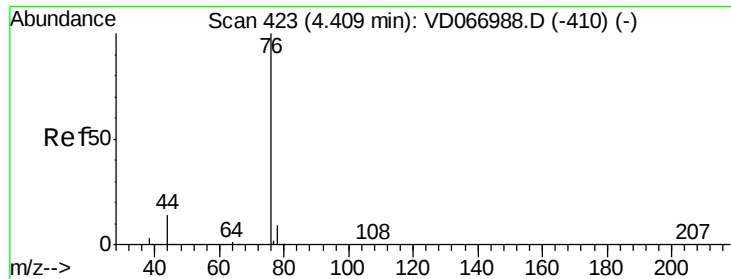
Delta R.T. -0.01 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

Tgt Ion:	43	Resp:	65749
Ion	Ratio	Lower	Upper
43	100		
58	36.7	25.9	38.9





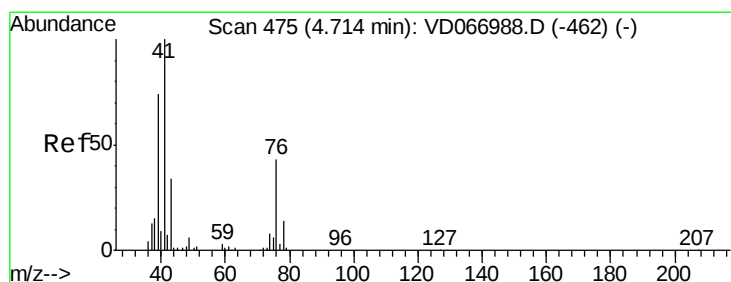
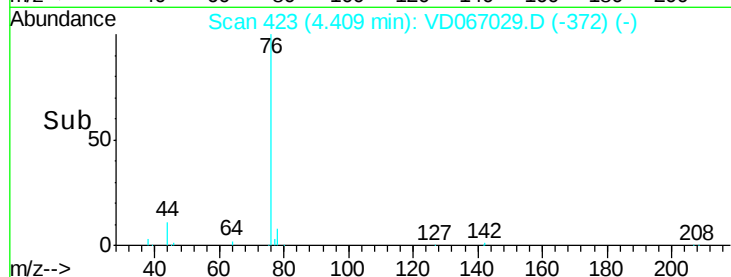
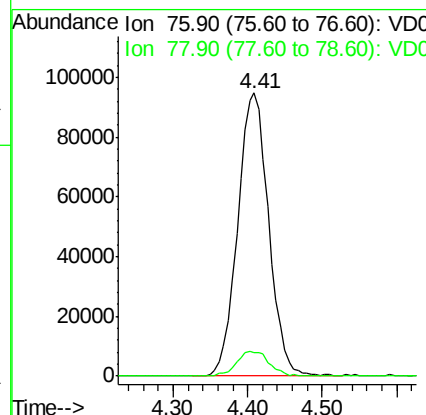
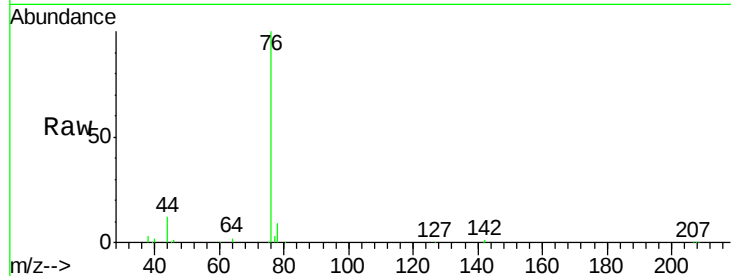
#17
Carbon Disulfide
Concen: 20.303 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.5	11.3

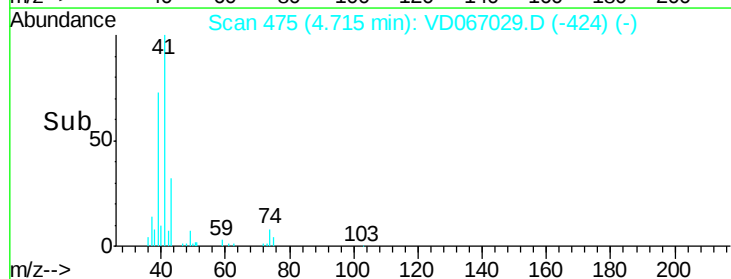
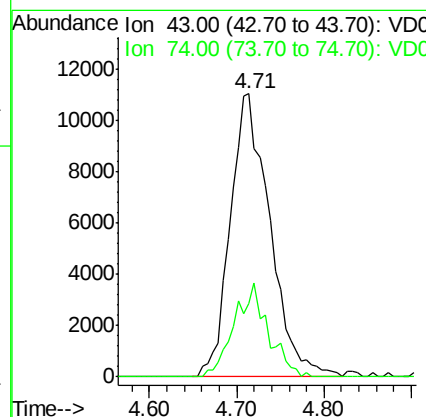
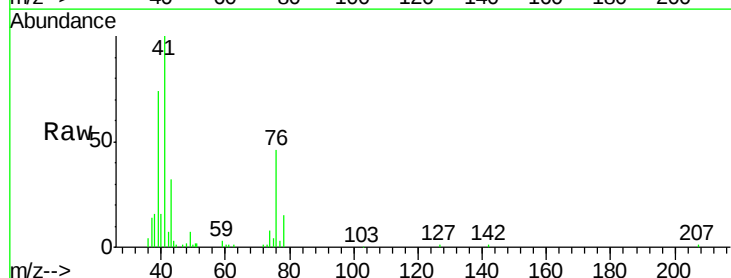
Manual Integrations
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10/5/2020 5:34:25 PM



#18
Methyl Acetate
Concen: 19.849 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.2	21.5	32.3





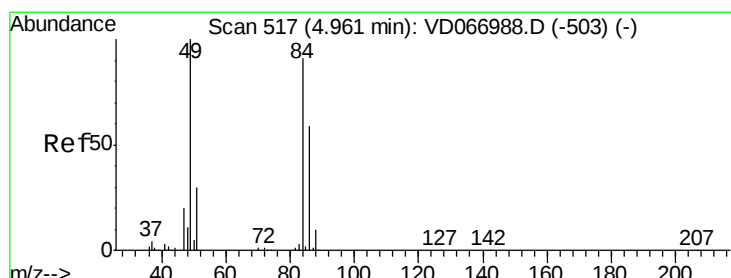
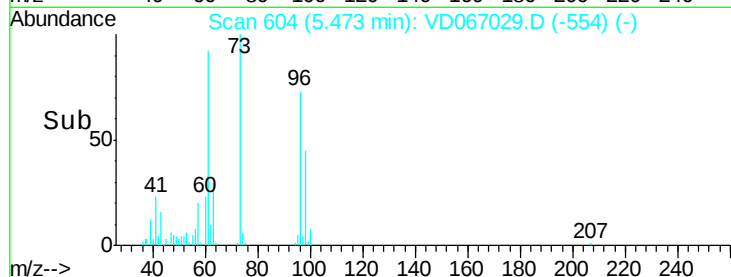
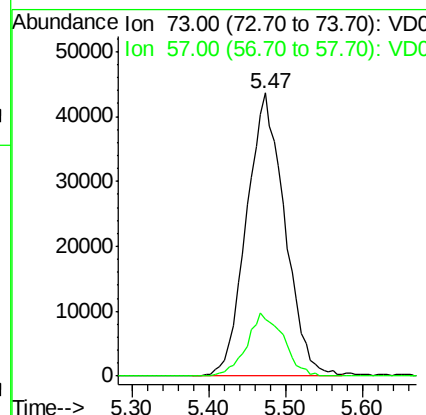
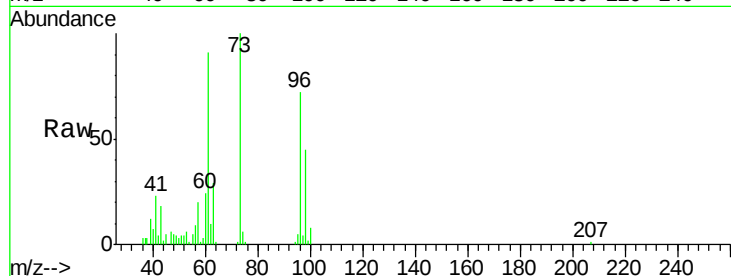
#19
Methyl tert-butyl Ether
Concen: 18.965 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion: 73 Resp: 151606
Ion Ratio Lower Upper
73 100
57 20.0 17.4 26.0

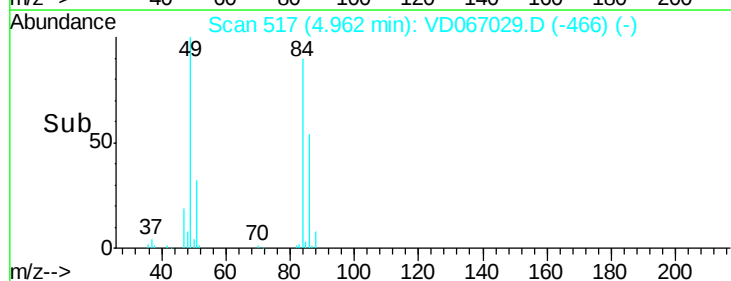
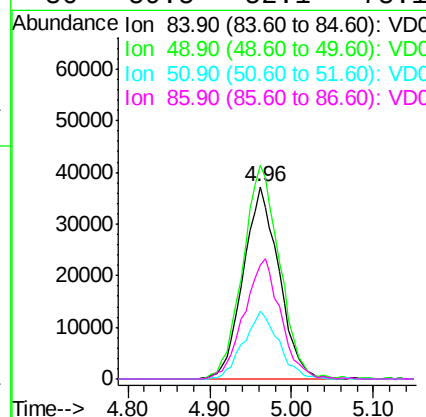
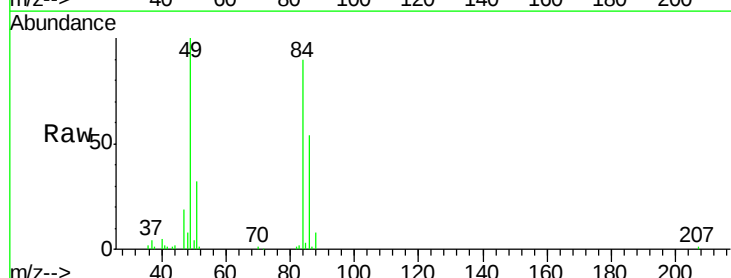
Manual Integrations
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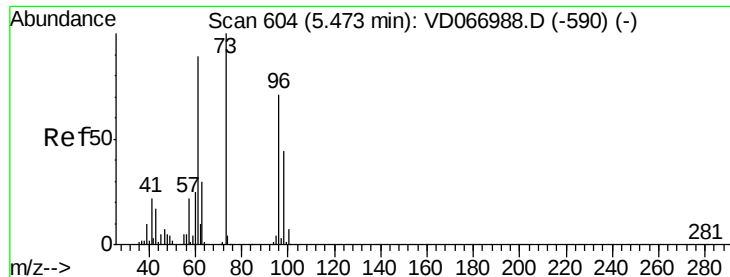
MMDadoda
10/5/2020 5:34:25 PM



#20
Methylene Chloride
Concen: 18.766 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Tgt Ion: 84 Resp: 112983
Ion Ratio Lower Upper
84 100
49 110.9 88.2 132.2
51 35.2 26.6 39.8
86 59.5 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 19.789 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

Instrument :

MSVOA_D

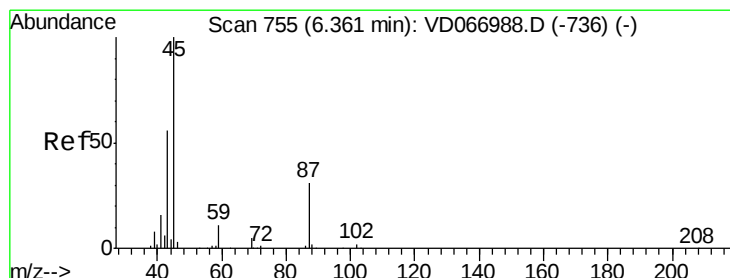
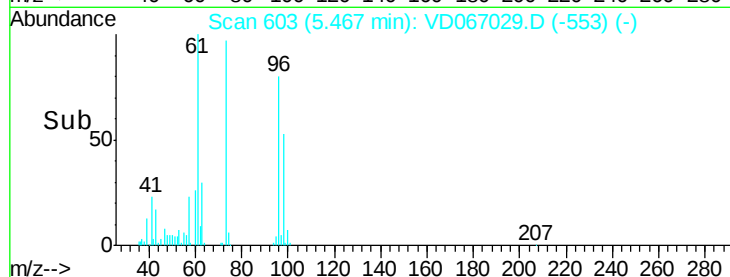
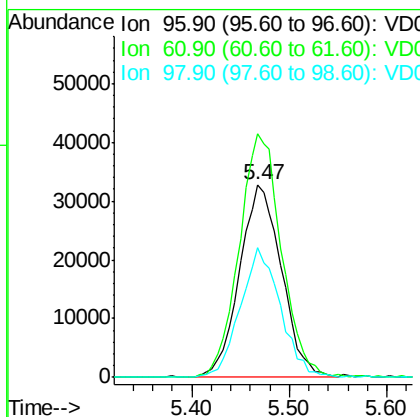
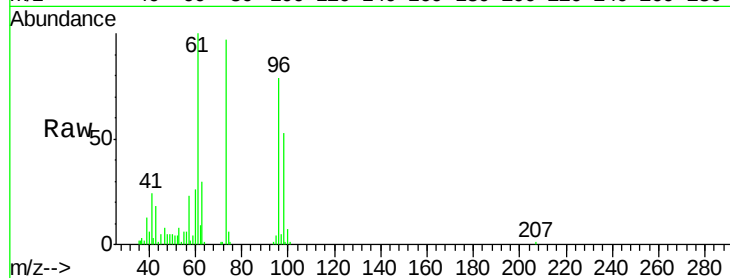
ClientSampleId :

VD1002SBS01

Tot Ion:	96	Resp:	98619
Ion	Ratio	Lower	Upper
96	100		
61	126.4	99.6	149.4
98	67.1	49.4	74.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.468 ug/l

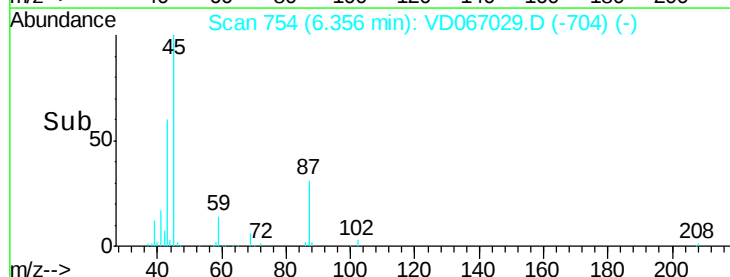
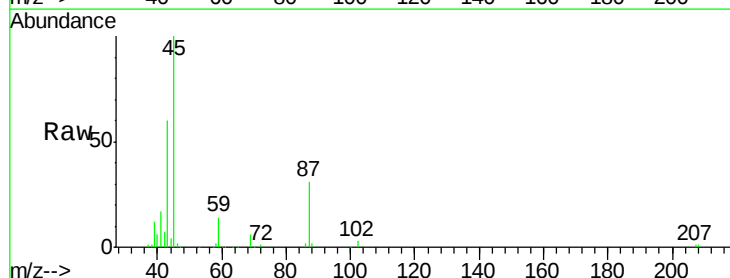
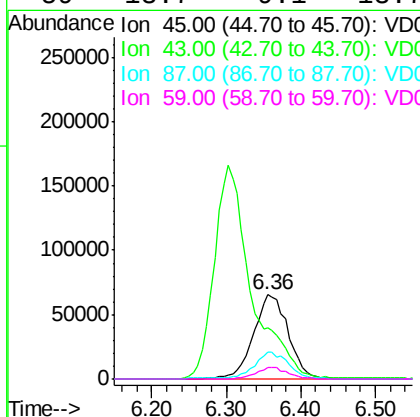
RT: 6.36 min Scan# 754

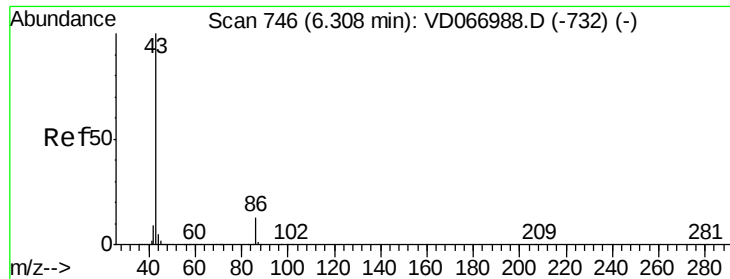
Delta R.T. -0.01 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

Tgt Ion:	45	Resp:	212576
Ion	Ratio	Lower	Upper
45	100		
43	59.0	45.2	67.8
87	31.1	25.6	38.4
59	13.7	9.1	13.7#





#23

Vinyl Acetate

Concen: 97.349 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion: 43 Resp: 572922

Ion Ratio Lower Upper

43 100

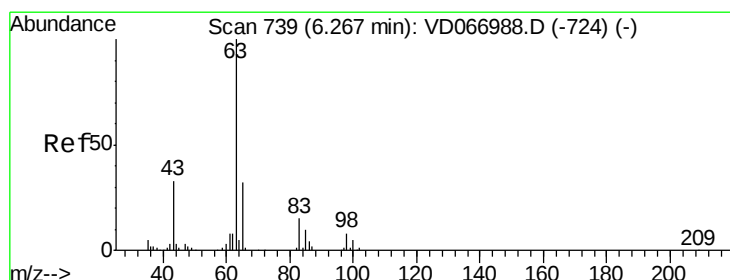
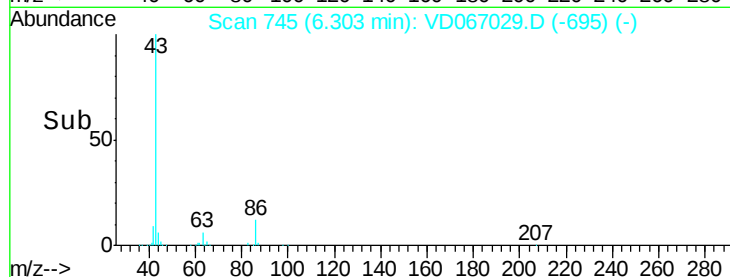
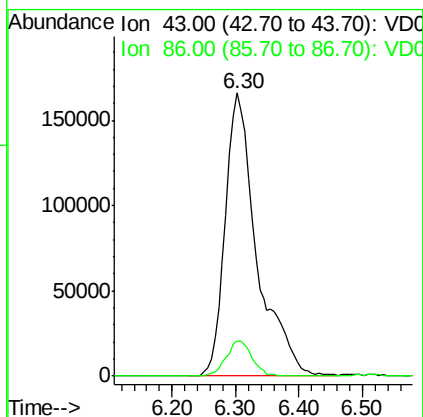
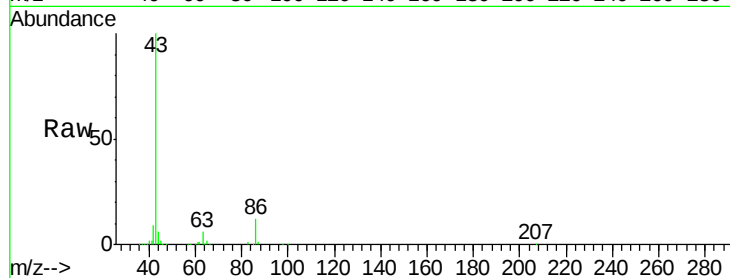
86 12.3 10.2 15.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.218 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

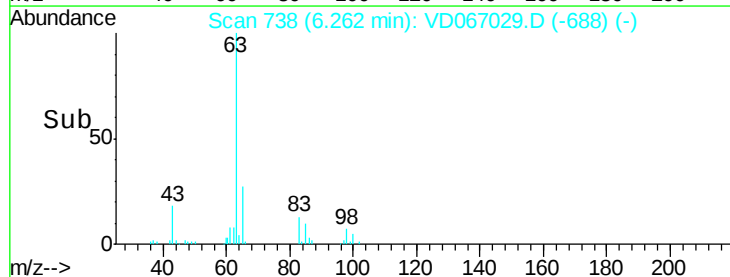
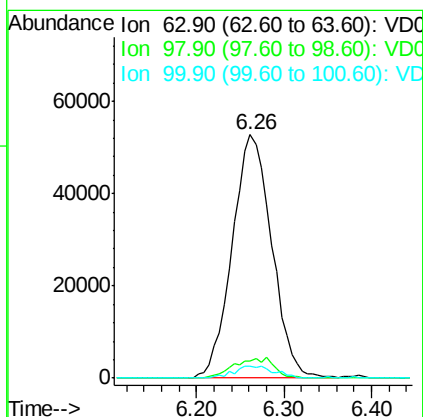
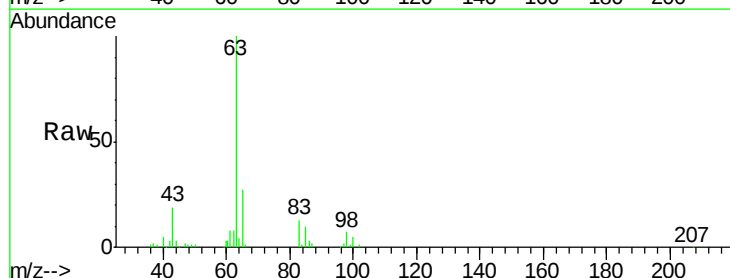
Tgt Ion: 63 Resp: 162047

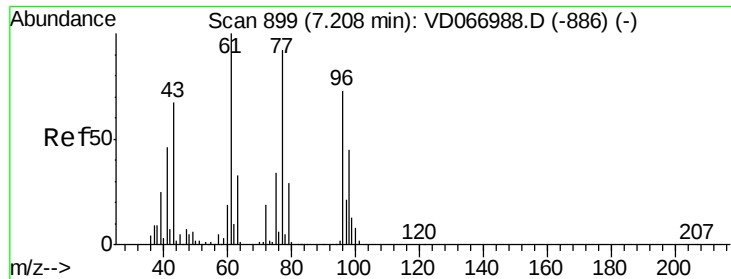
Ion Ratio Lower Upper

63 100

98 7.2 4.2 12.6

100 5.1 2.6 7.8





#25

2-Butanone

Concen: 93.379 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion: 43 Resp: 90425

Ion Ratio Lower Upper

43 100

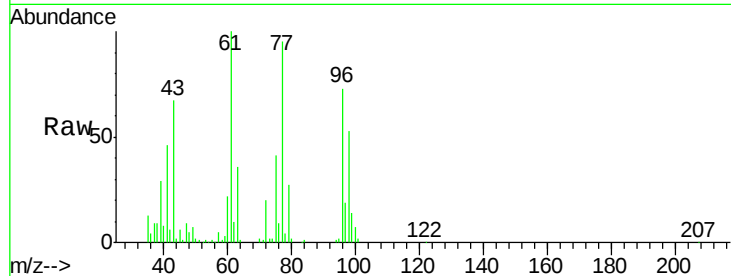
72 29.7 22.8 34.2

Manual Integrations

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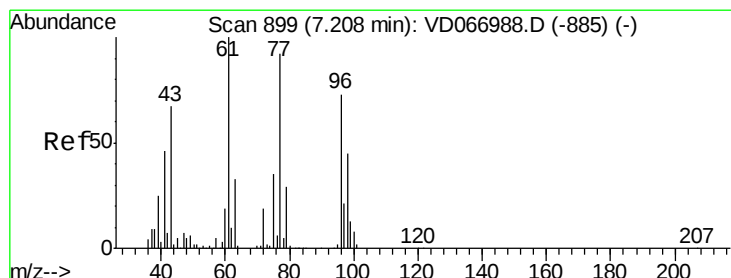
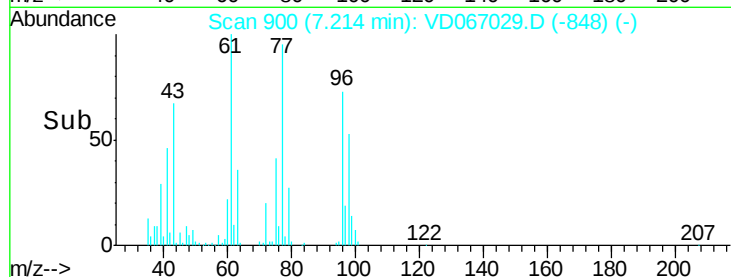
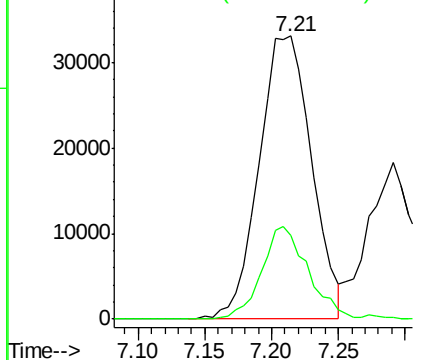
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.389 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067029.D

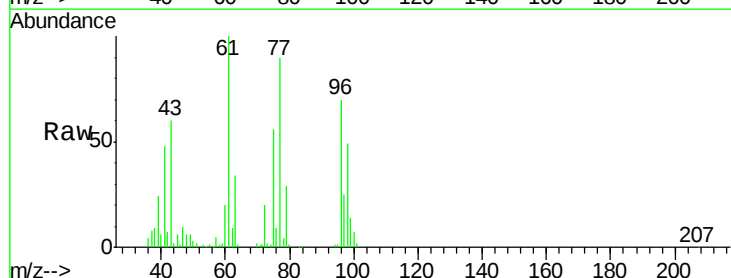
Acq: 02 Oct 2020 12:21

Tgt Ion: 77 Resp: 150195

Ion Ratio Lower Upper

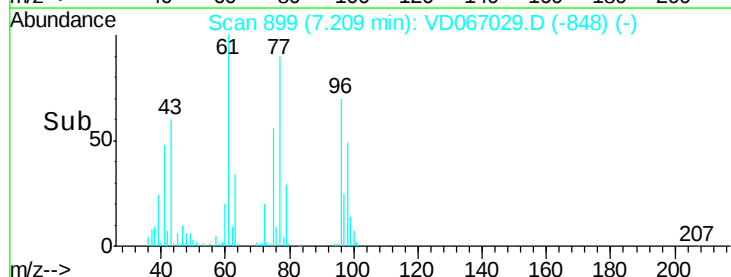
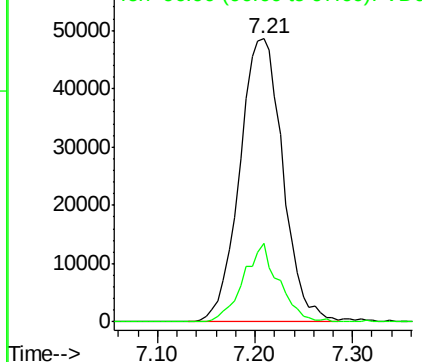
77 100

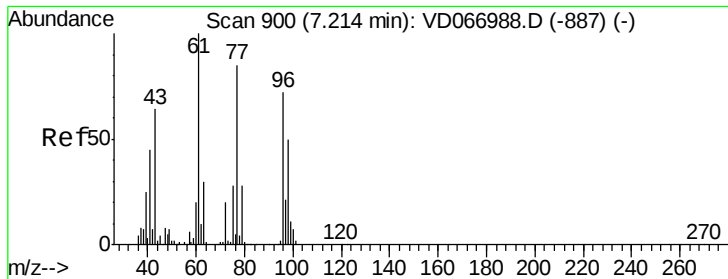
97 22.9 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

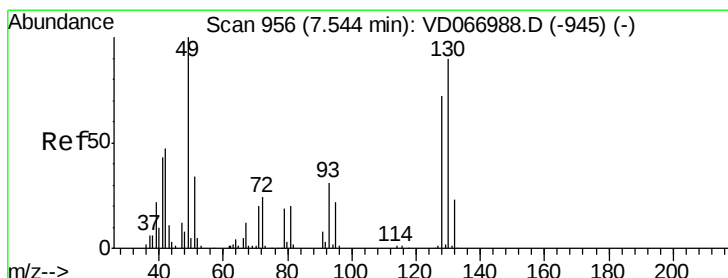
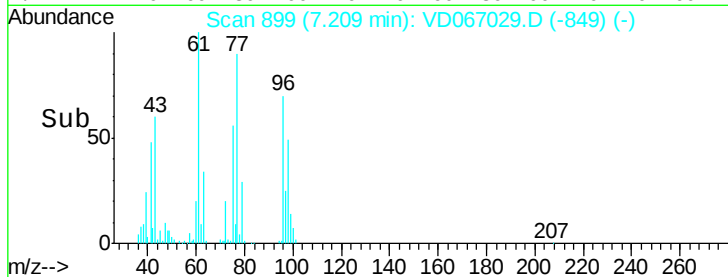
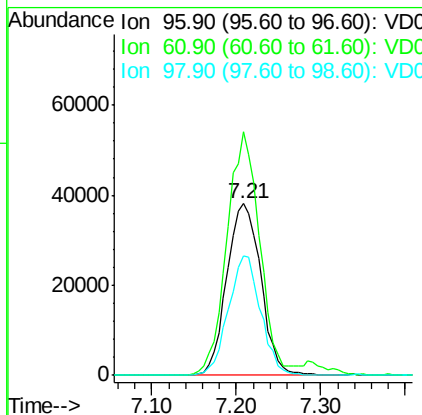
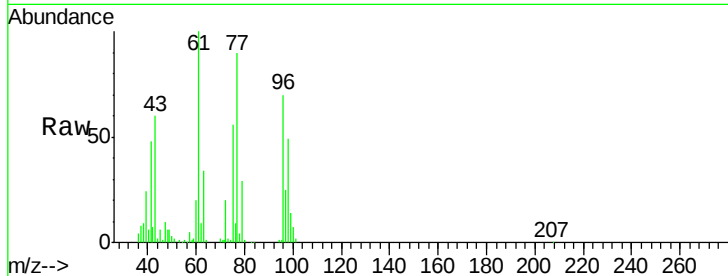
cis-1,2-Dichloroethene
Concen: 19.942 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	135.6	0.0	269.2	
98	65.6	0.0	129.4	

Manual Integrations
APPROVED

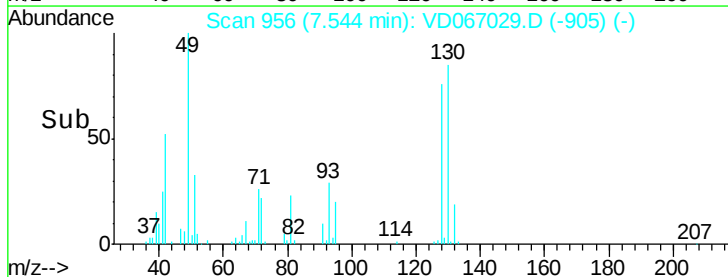
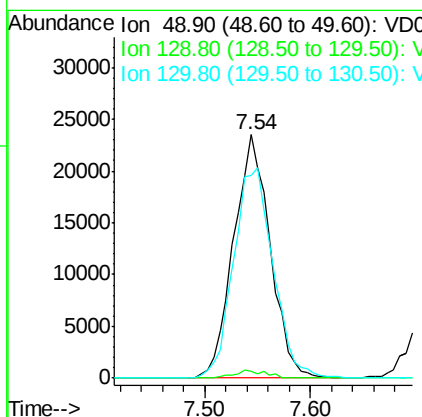
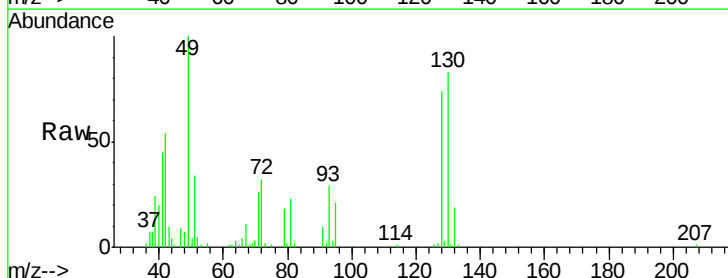
MMDadoda
10/5/2020 5:34:25 PM

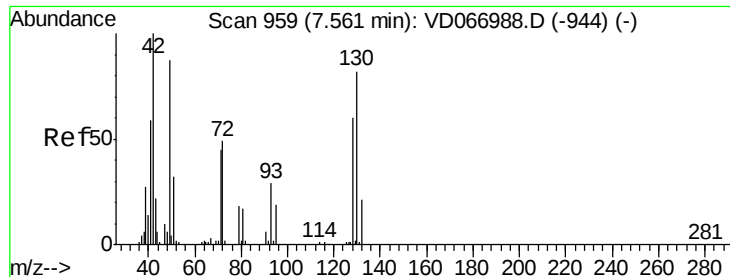


#28

Bromochloromethane
Concen: 18.235 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.8	0.0	4.6	
130	93.5	74.1	111.1	





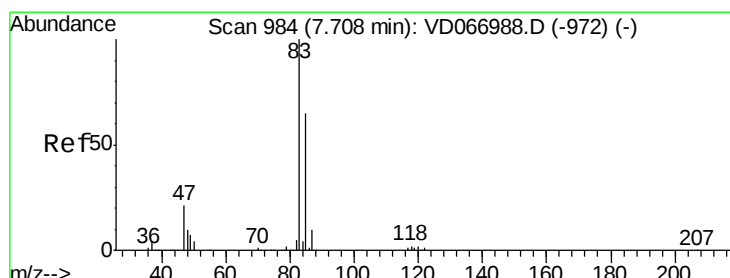
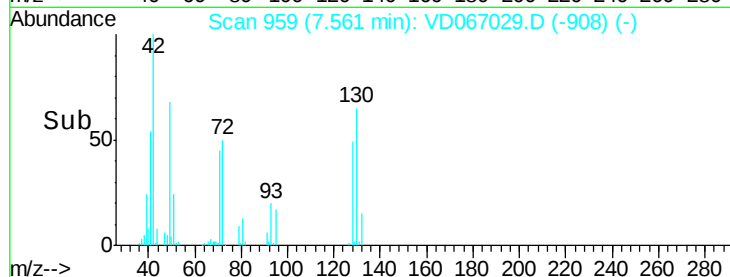
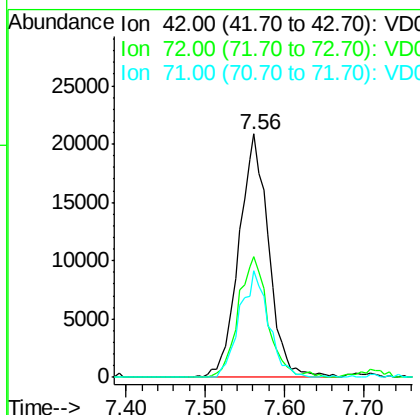
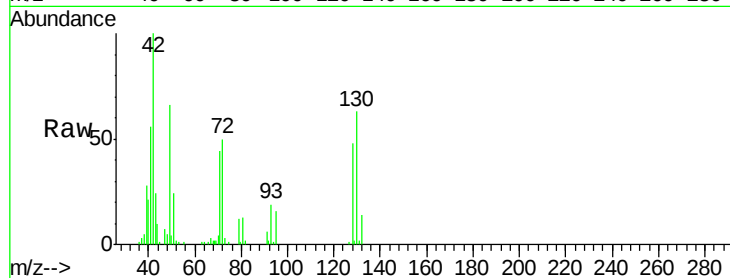
#29
Tetrahydrofuran
Concen: 97.746 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.6	39.1	58.7
71	42.5	34.2	51.4

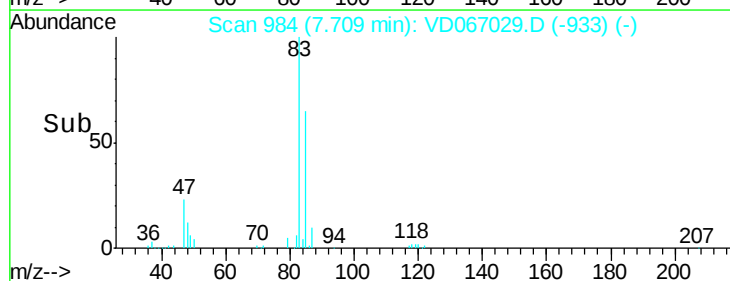
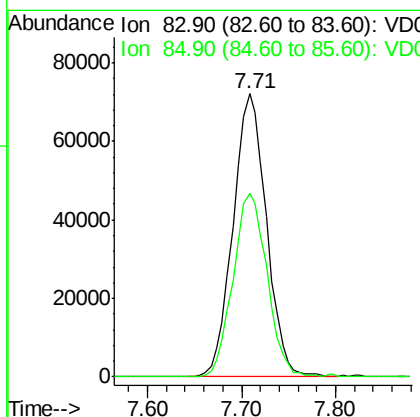
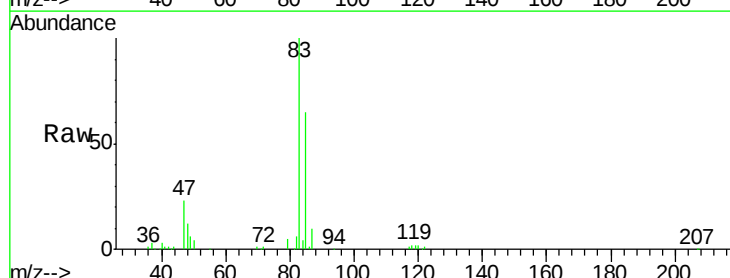
Manual Integrations
APPROVED

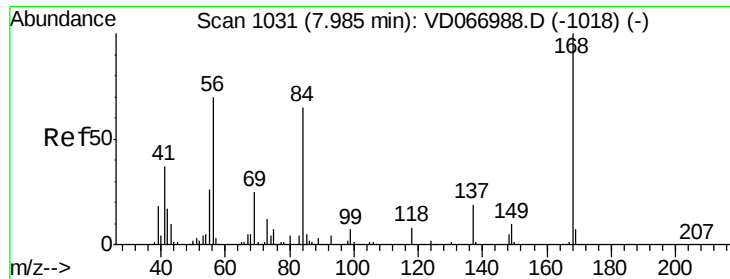
MMDadoda
10/5/2020 5:34:25 PM



#30
Chloroform
Concen: 20.443 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.3	78.5





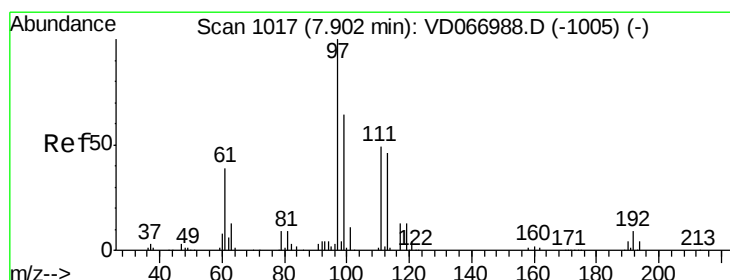
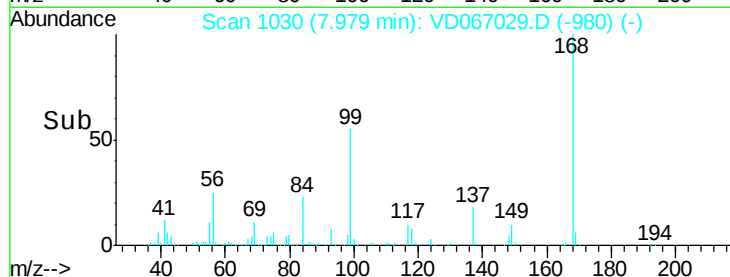
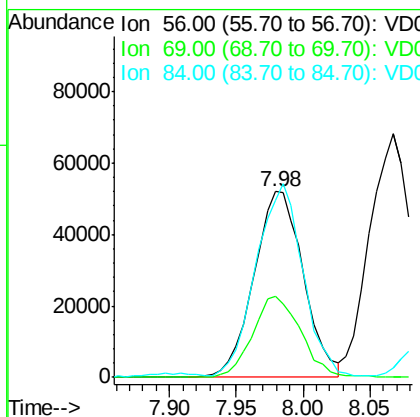
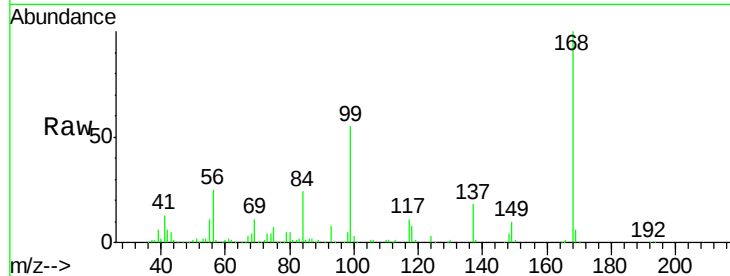
#31
Cyclohexane
Concen: 19.921 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	43.4	29.0	43.6
84	93.6	74.2	111.2

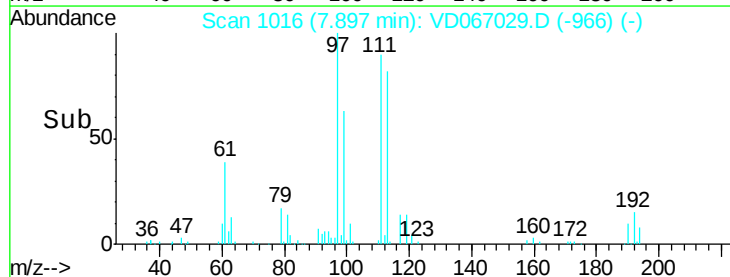
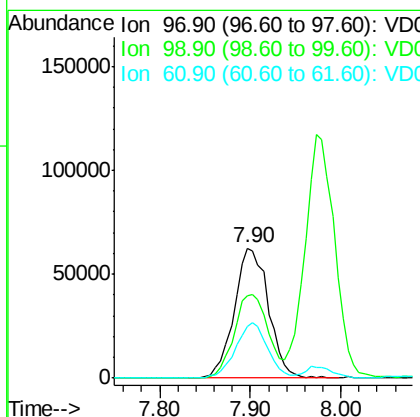
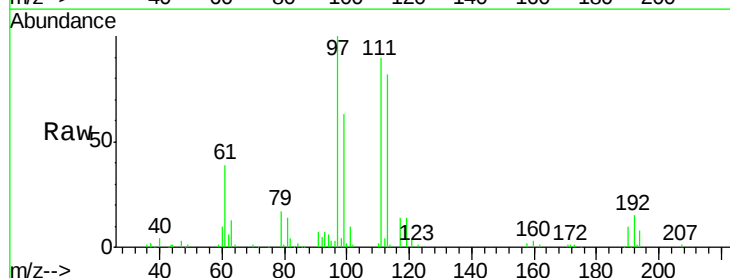
Manual Integrations
APPROVED

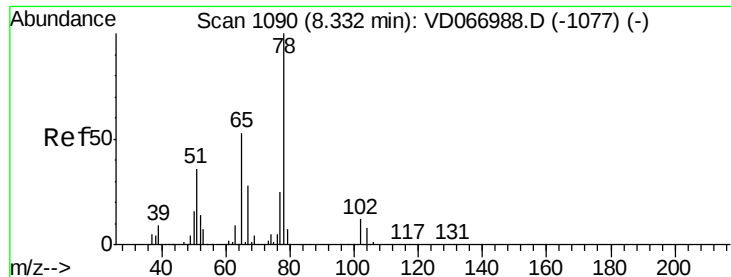
MMDadoda
10/5/2020 5:34:25 PM



#32
1,1,1-Trichloroethane
Concen: 20.360 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.6	78.8
61	39.8	32.8	49.2





#33

1,2-Dichloroethane-d4

Concen: 46.846 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion: 65 Resp: 209606

Ion Ratio Lower Upper

65 100

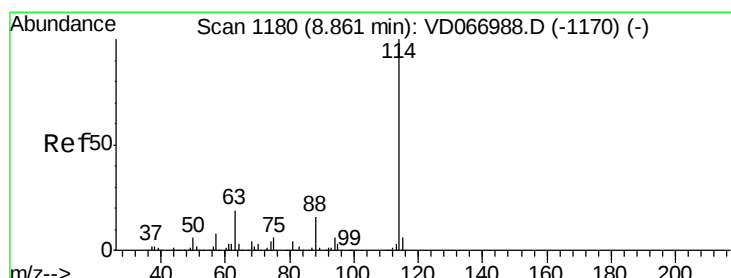
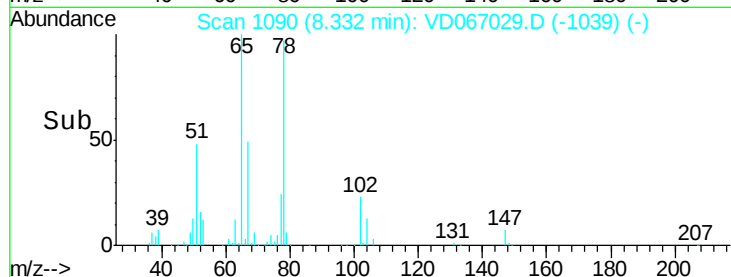
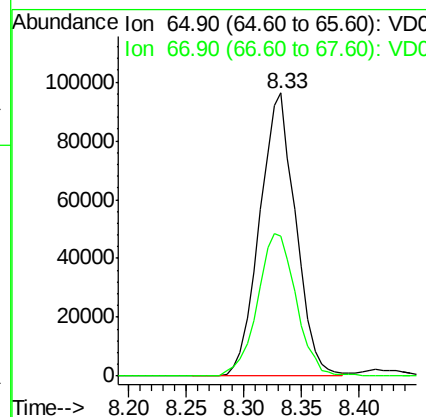
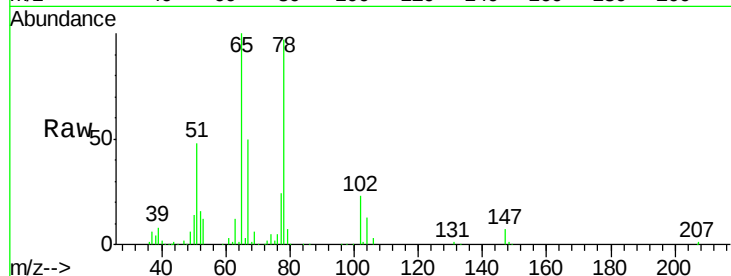
67 53.9 0.0 106.8

Manual Integrations

APPROVED

MMDadoda

10/5/2020 5:34:25 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

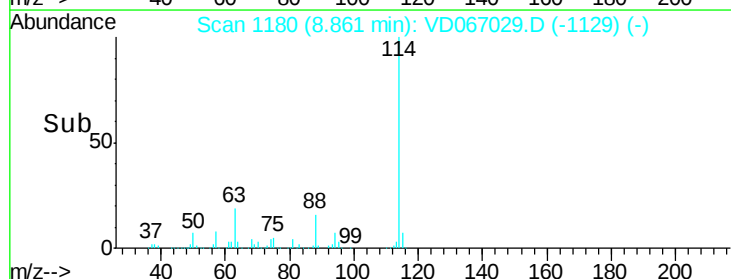
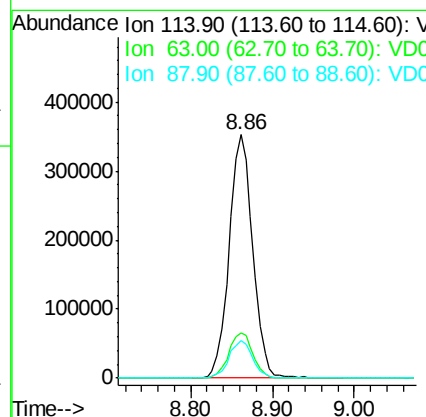
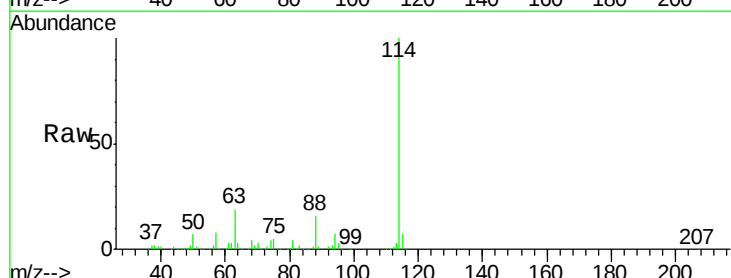
Tgt Ion: 114 Resp: 706882

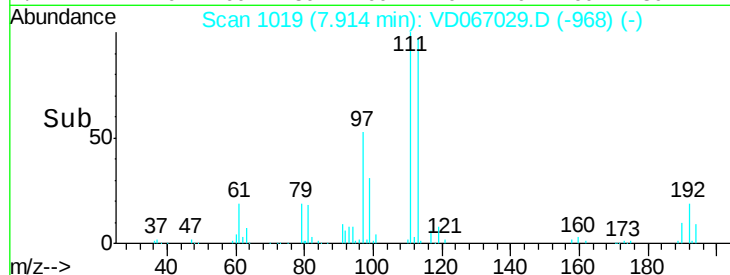
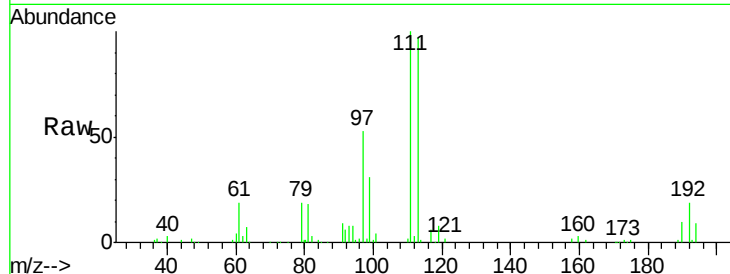
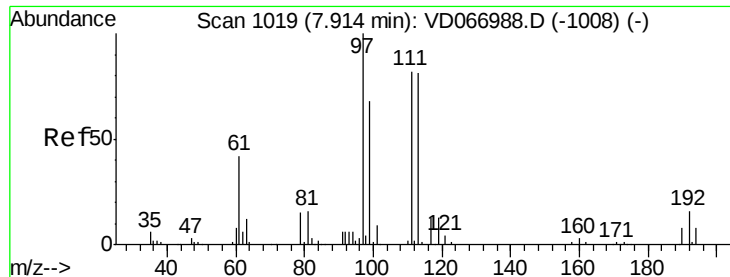
Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.4

88 15.6 0.0 31.2





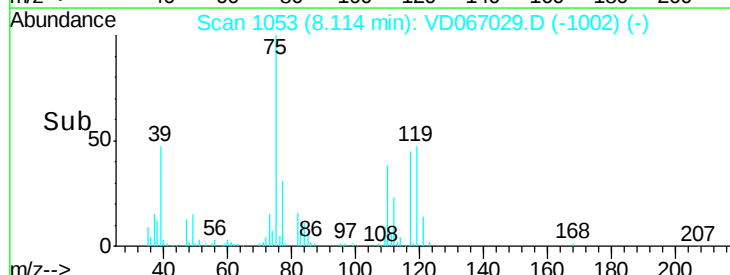
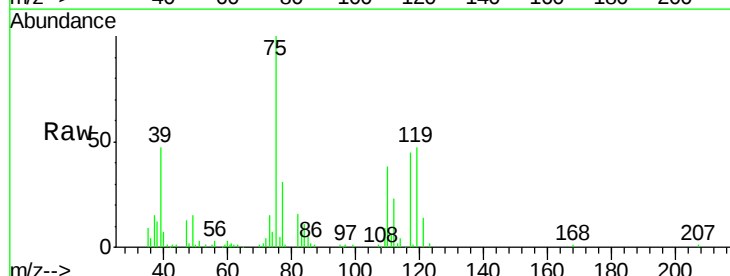
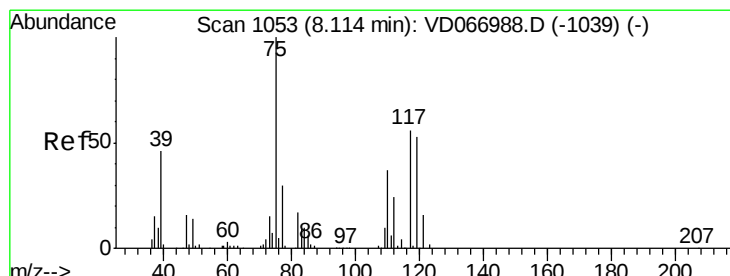
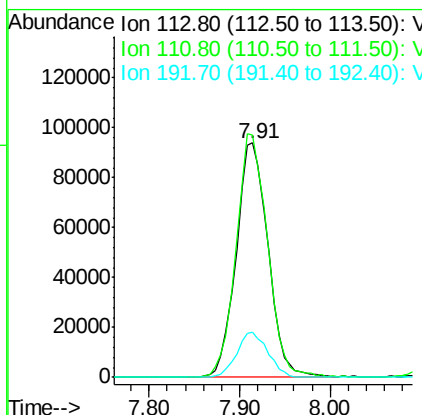
#35
Dibromofluoromethane
Concen: 49.782 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Tot Ion	Ratio	Resp	Lower	Upper
113	100	230380		
111	102.7	83.0	124.4	
192	19.0	15.5	23.3	

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

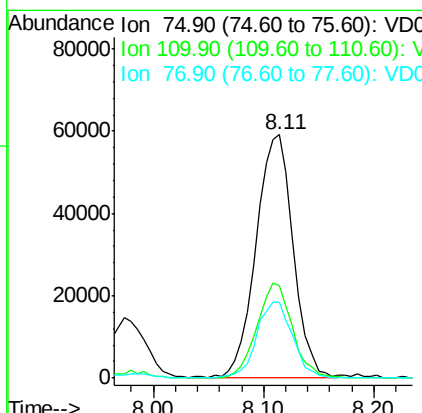
Manual Integrations
APPROVED

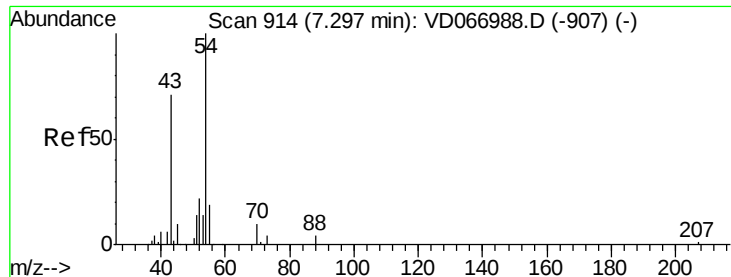
MMDadoda
10/5/2020 5:34:25 PM



#36
1,1-Dichloropropene
Concen: 20.991 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	138308		
110	37.6	18.4	55.0	
77	30.5	24.8	37.2	





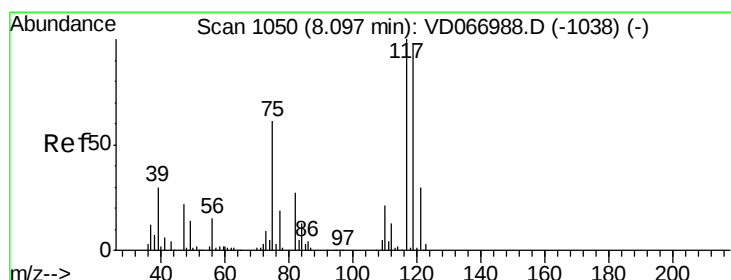
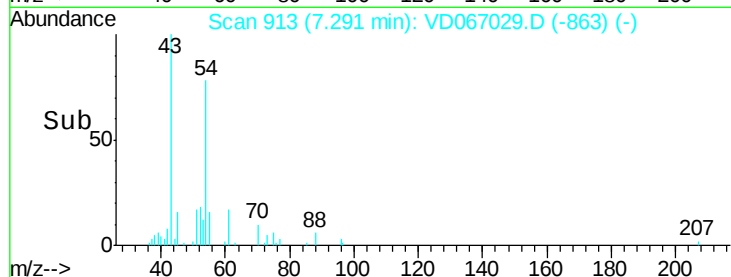
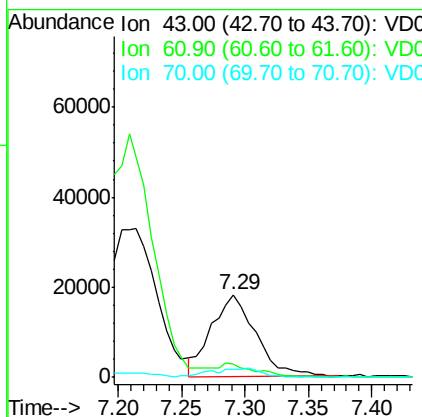
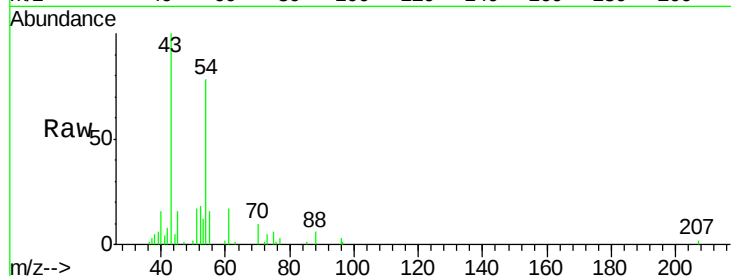
#37
Ethyl Acetate
Concen: 19.145 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	12.5	18.7
70	12.4	9.4	14.0

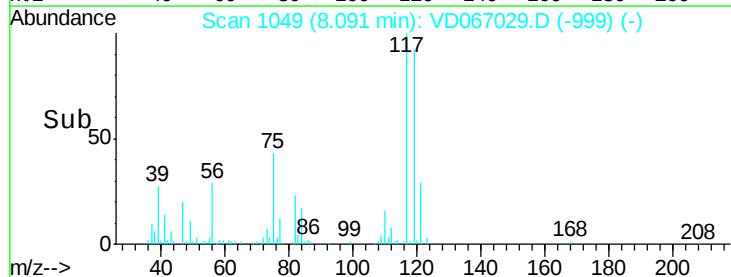
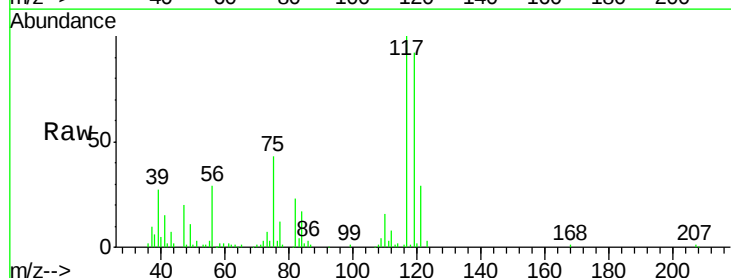
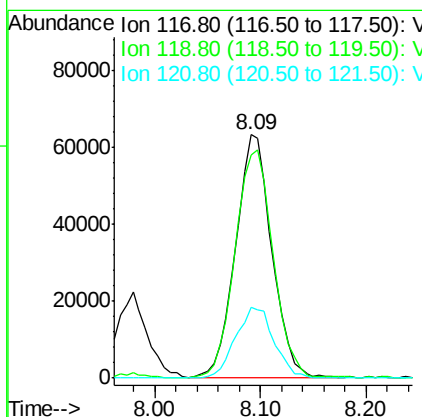
Manual Integrations
APPROVED

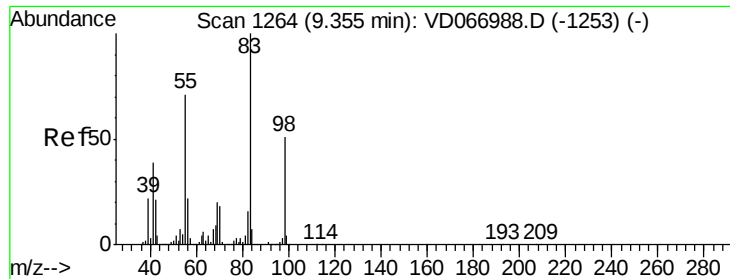
MMDadoda
10/5/2020 5:34:25 PM



#38
Carbon Tetrachloride
Concen: 21.207 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.7	78.7	118.1
121	29.1	24.2	36.2





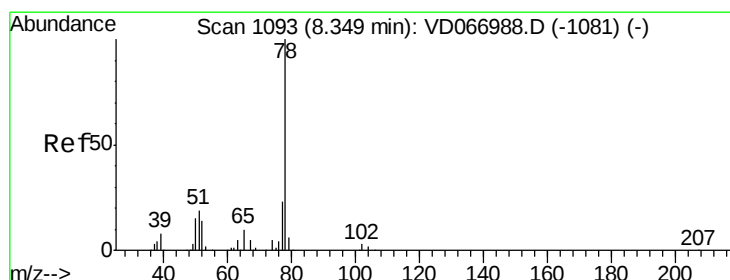
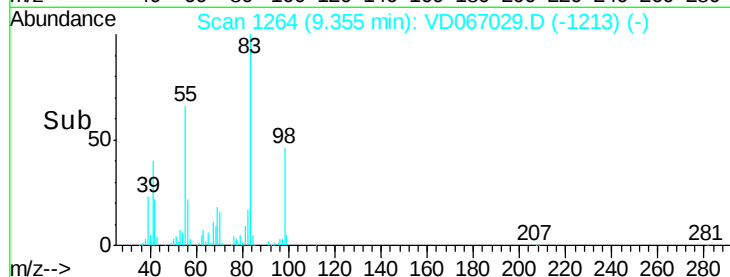
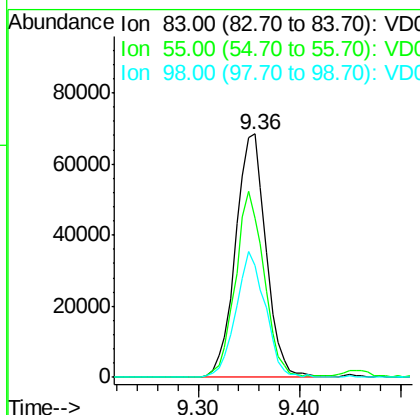
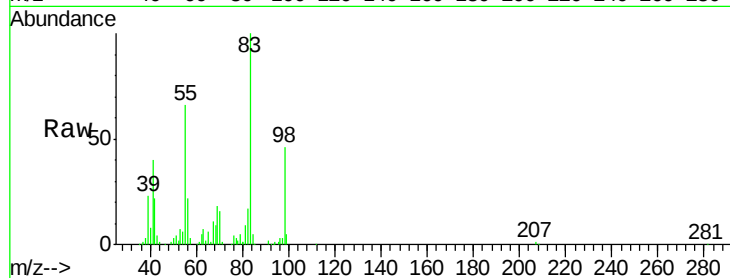
#39
Methylvlcvclohexane
Concen: 20.567 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.6	57.1	85.7
98	46.1	40.9	61.3

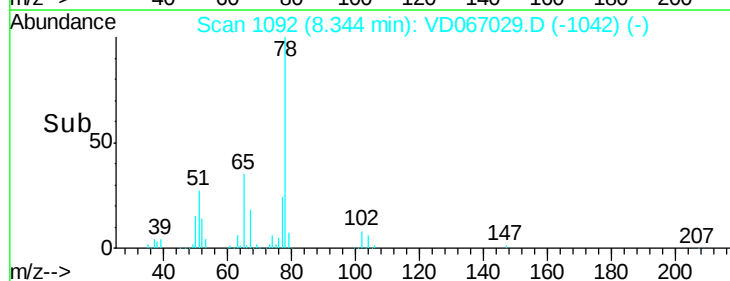
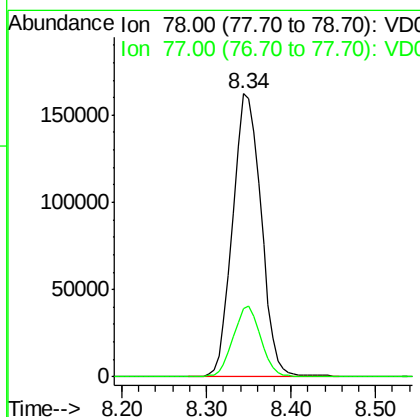
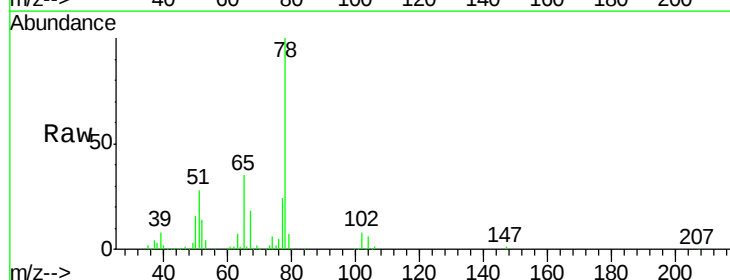
Manual Integrations
APPROVED

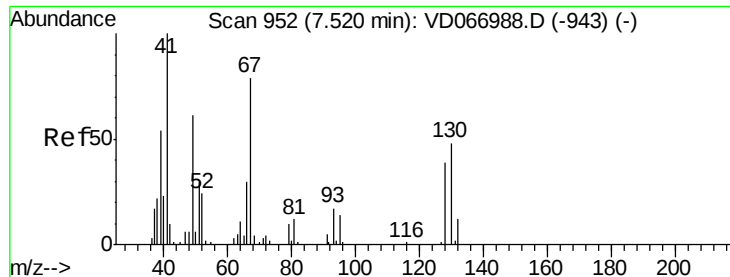
MMDadoda
10/5/2020 5:34:25 PM



#40
Benzene
Concen: 20.635 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.4	27.6





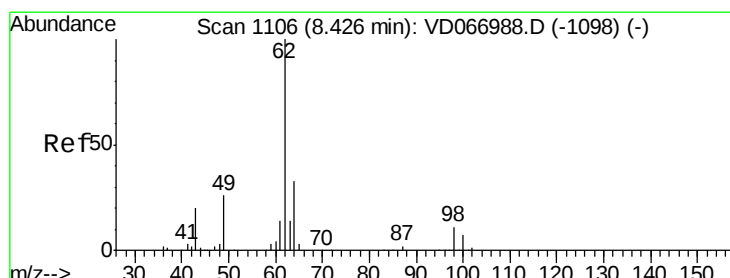
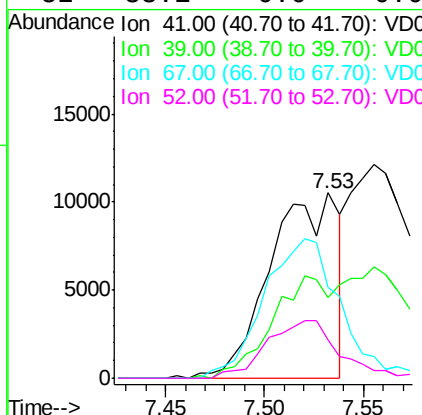
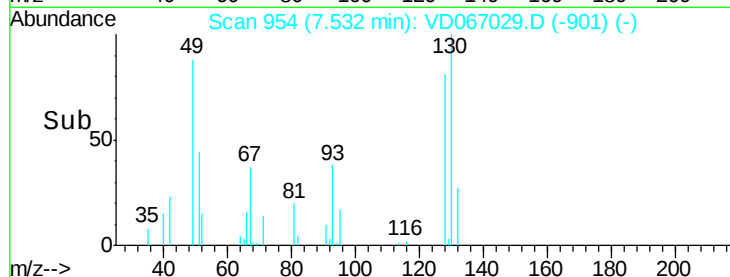
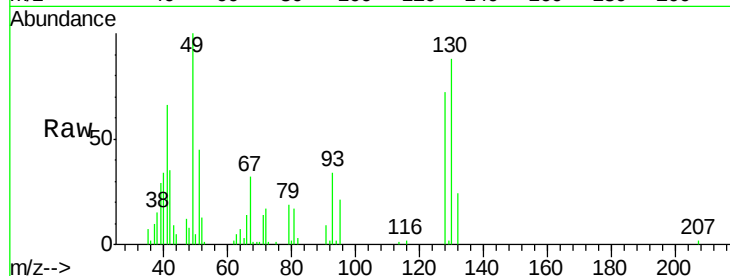
#41
Methacrylonitrile
Concen: 20.524 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	44.9	0.0	0.0#
67	83.4	0.0	0.0#
52	33.1	0.0	0.0#

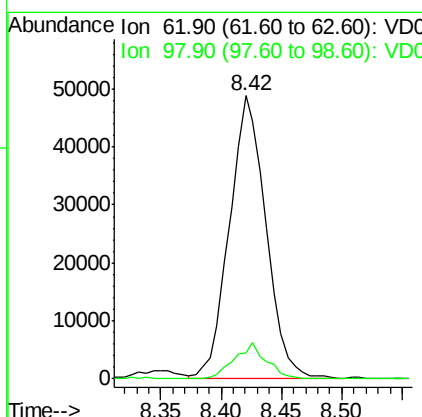
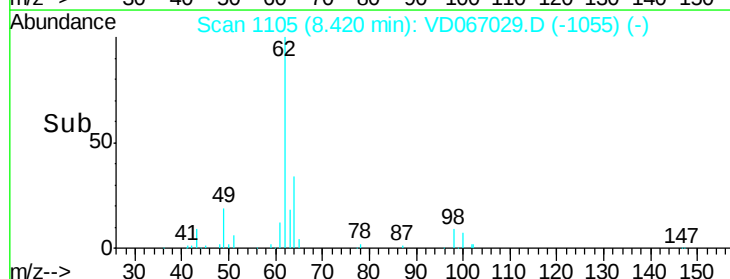
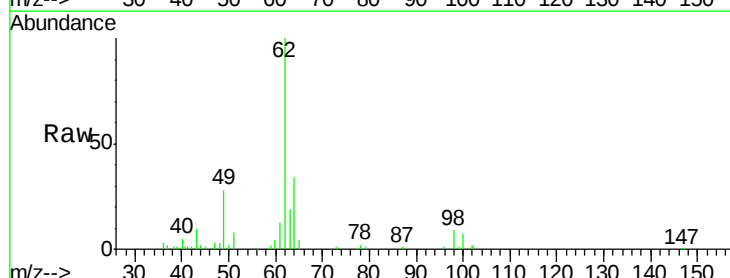
Manual Integrations
APPROVED

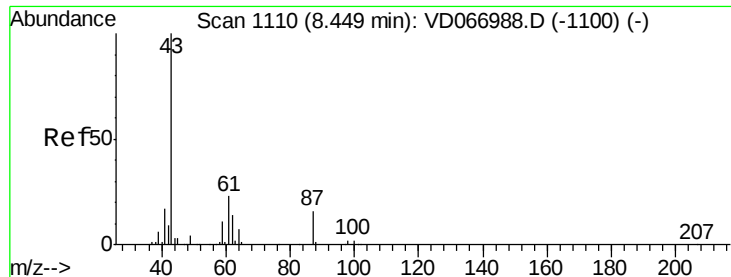
MMDadoda
10/5/2020 5:34:25 PM



#42
1,2-Dichloroethane
Concen: 20.125 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	22.6





#43

Isopropyl Acetate

Concen: 19.467 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

Instrument :

MSVOA_D

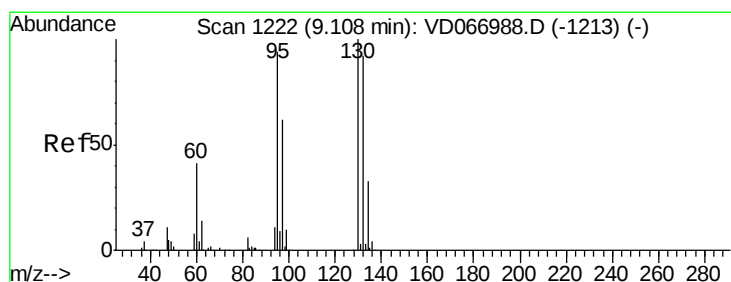
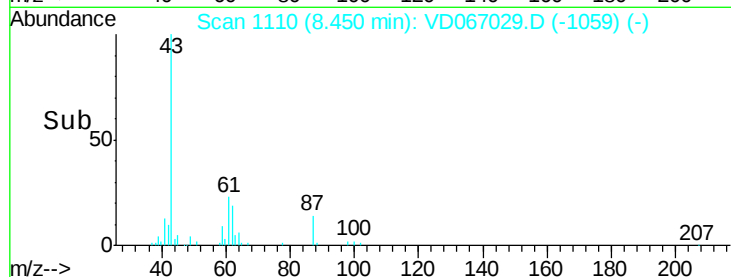
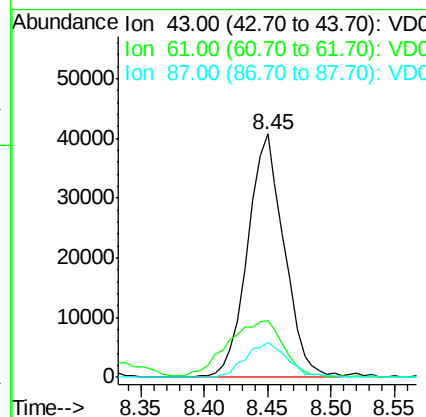
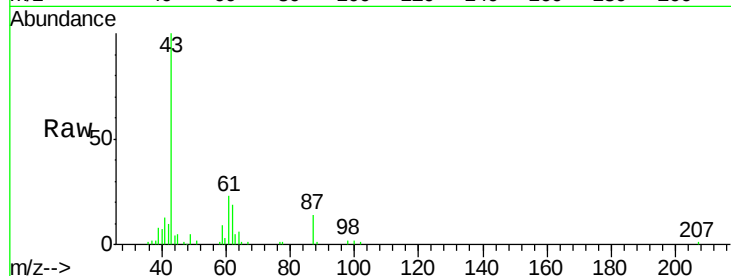
ClientSampleId :

VD1002SBS01

Tot Ion:	43	Resp:	81860
Ion	Ratio	Lower	Upper
43	100		
61	35.7	27.1	40.7
87	16.2	12.3	18.5

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#44

Trichloroethene

Concen: 20.949 ug/l

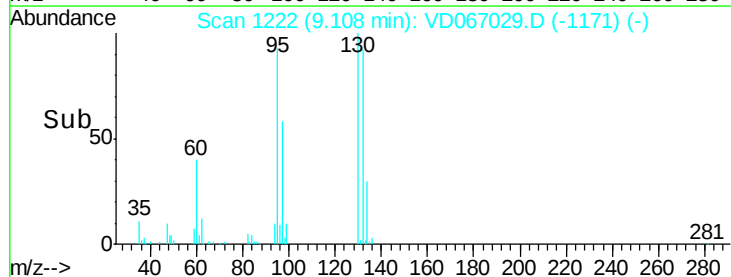
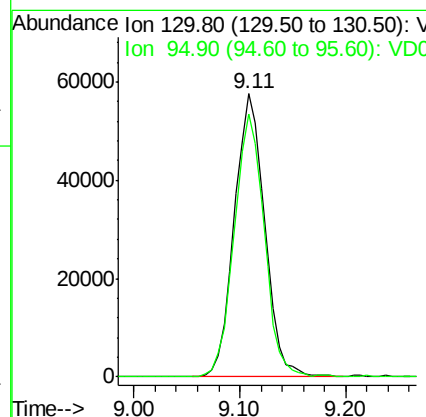
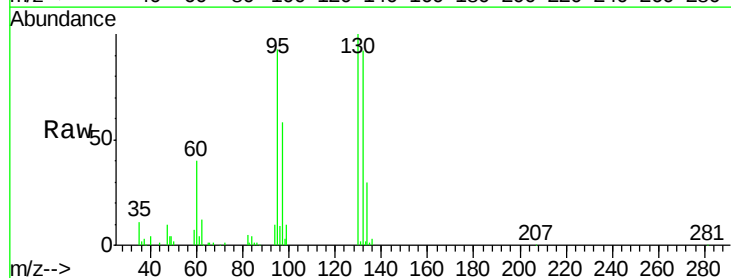
RT: 9.11 min Scan# 1222

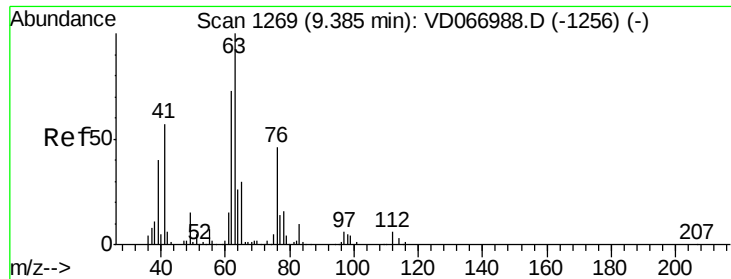
Delta R.T. 0.00 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

Tgt Ion:	130	Resp:	114485
Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	187.8





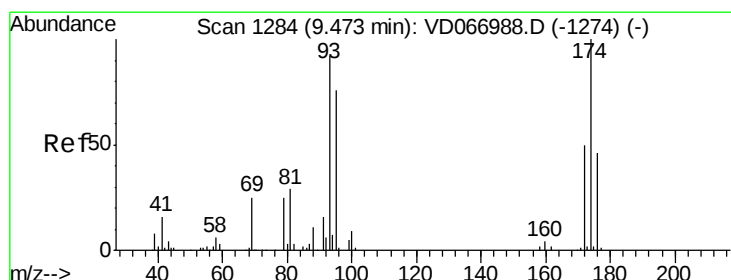
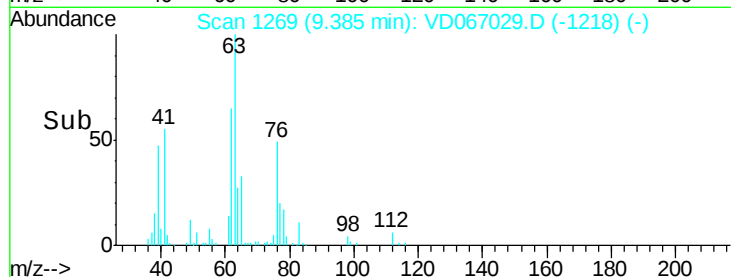
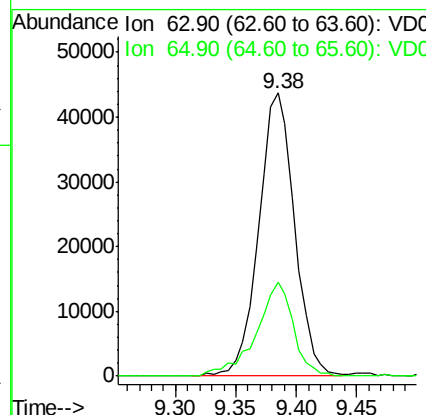
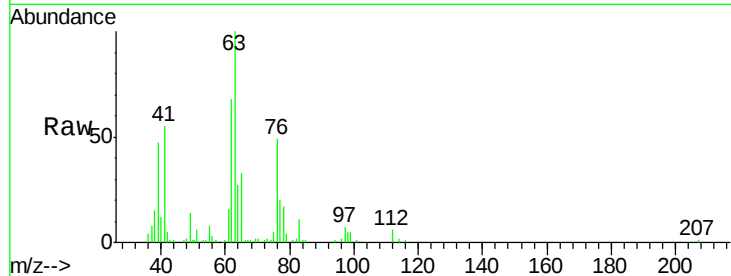
#45
 1,2-Dichloropropane
 Concen: 21.014 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD067029.D
 Acq: 02 Oct 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Tot Ion: 63 Resp: 90360
 Ion Ratio Lower Upper
 63 100
 65 33.3 23.7 35.5

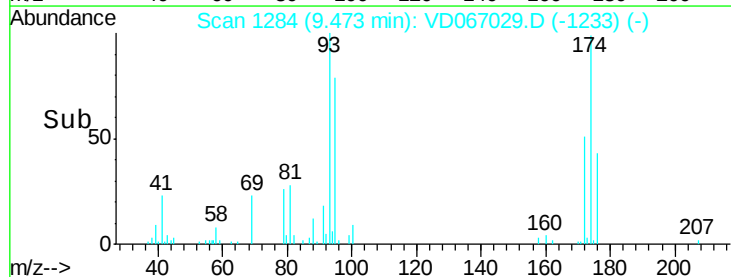
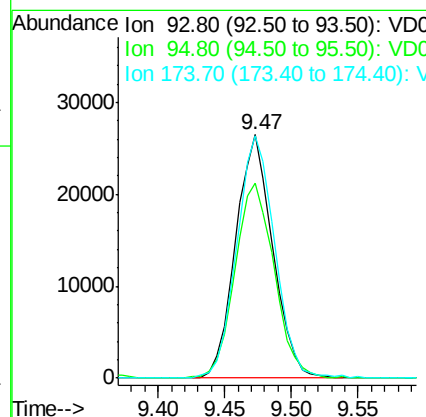
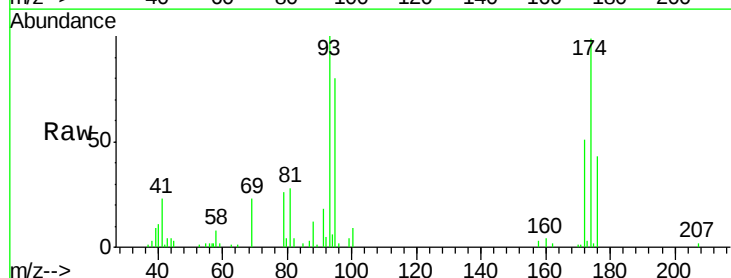
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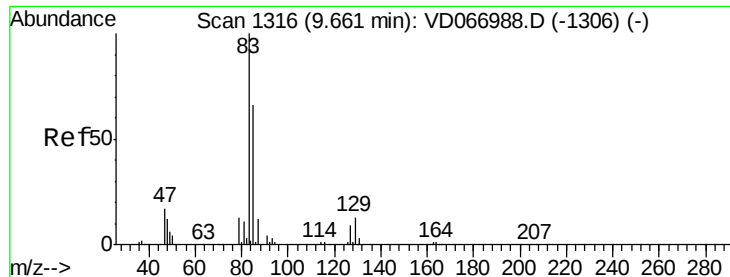
MMDadoda
 10/5/2020 5:34:25 PM



#46
 Dibromomethane
 Concen: 20.680 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD067029.D
 Acq: 02 Oct 2020 12:21

Tgt Ion: 93 Resp: 51109
 Ion Ratio Lower Upper
 93 100
 95 84.7 64.7 97.1
 174 101.7 81.4 122.2





#47

Bromodichloromethane

Concen: 20.818 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

Instrument :

MSVOA_D

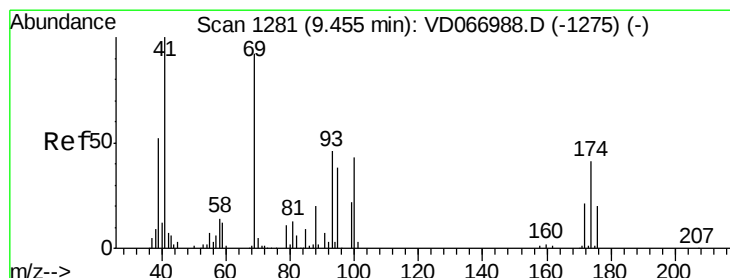
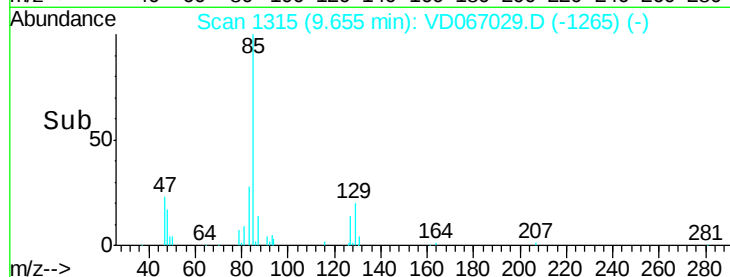
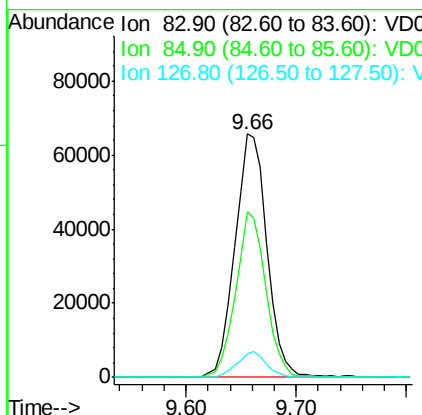
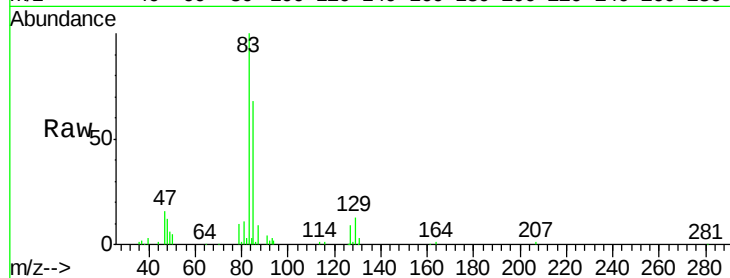
ClientSampleId :

VD1002SBS01

Tot Ion:	83	Resp:	133742
Ion	Ratio	Lower	Upper
83	100		
85	67.8	52.9	79.3
127	9.4	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.351 ug/l

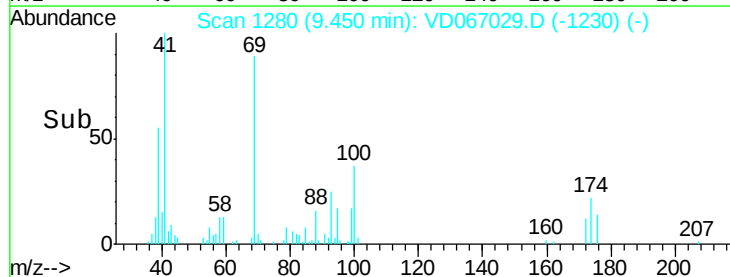
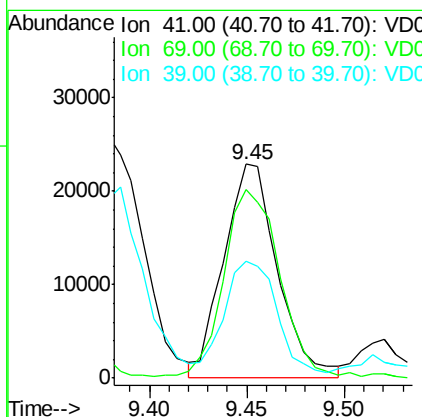
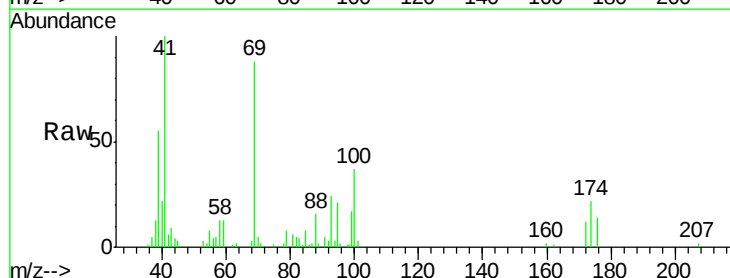
RT: 9.45 min Scan# 1280

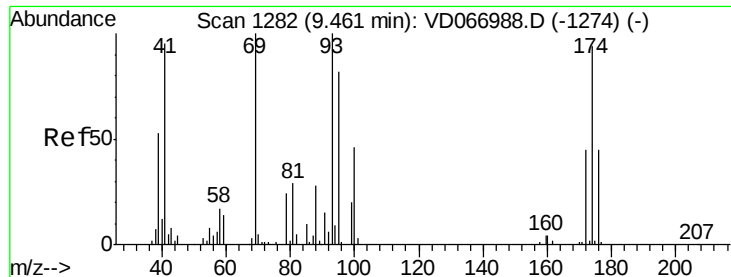
Delta R.T. -0.01 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

Tgt Ion:	41	Resp:	43842
Ion	Ratio	Lower	Upper
41	100		
69	93.2	68.5	102.7
39	55.5	40.2	60.2





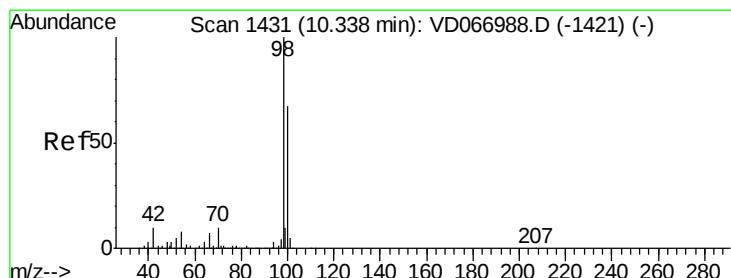
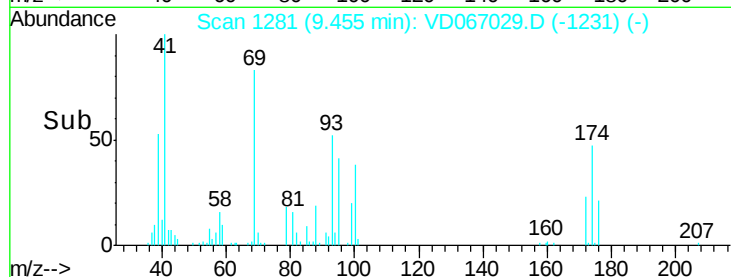
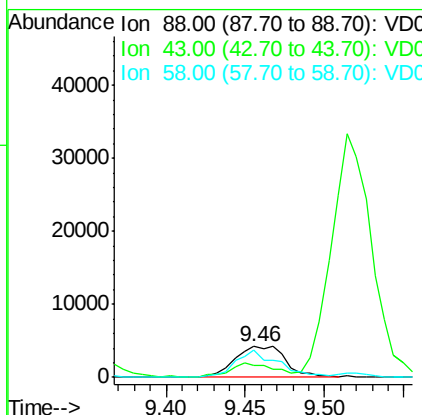
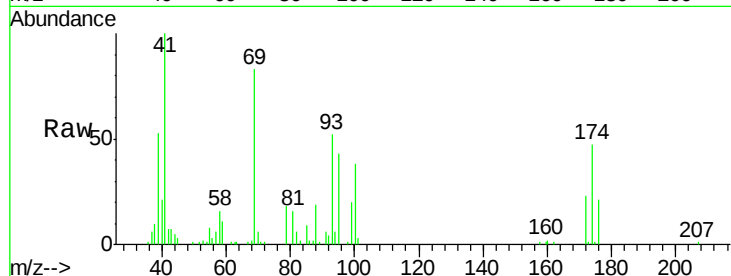
#49
1,4-Dioxane
Concen: 370.704 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.5	25.6	38.4#
58	73.8	53.5	80.3

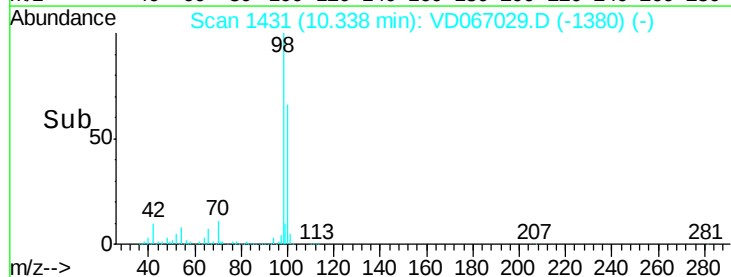
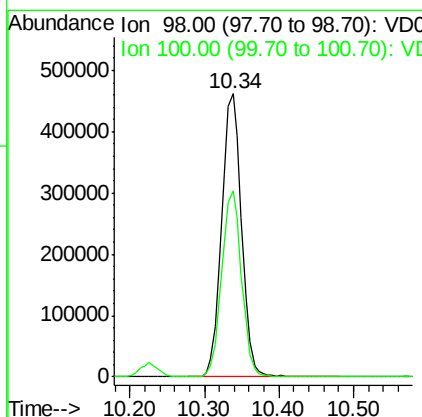
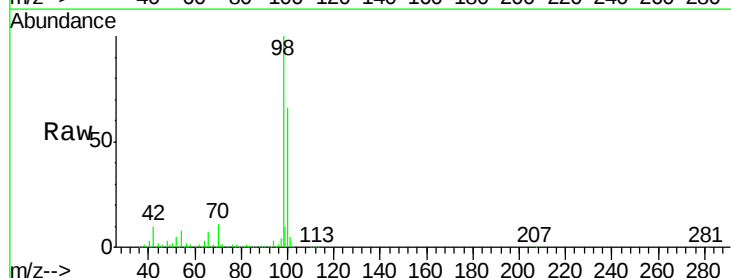
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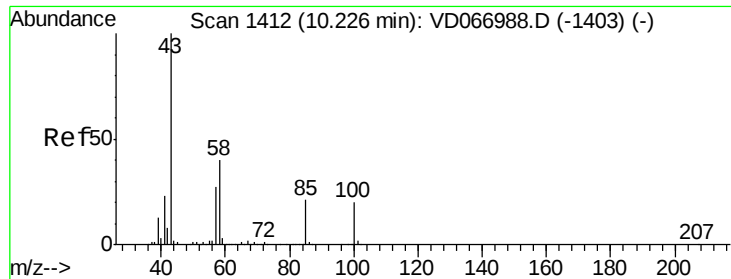
MMDadoda
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#50
Toluene-d8
Concen: 50.843 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 99.828 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion: 43 Resp: 209090

Ion Ratio Lower Upper

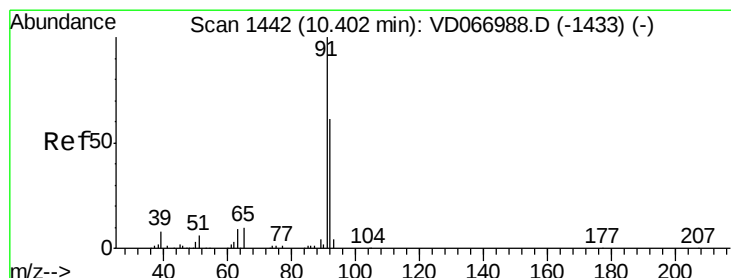
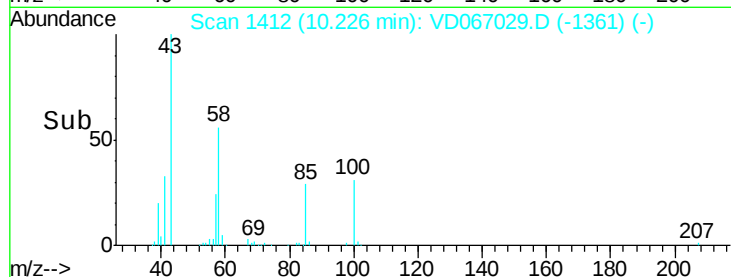
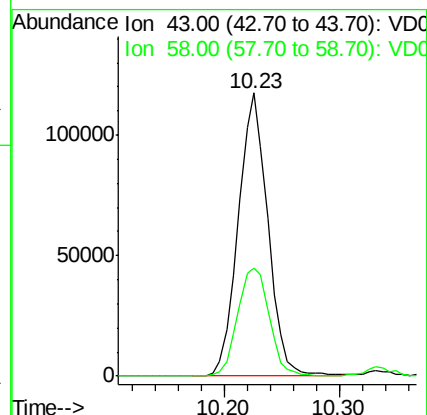
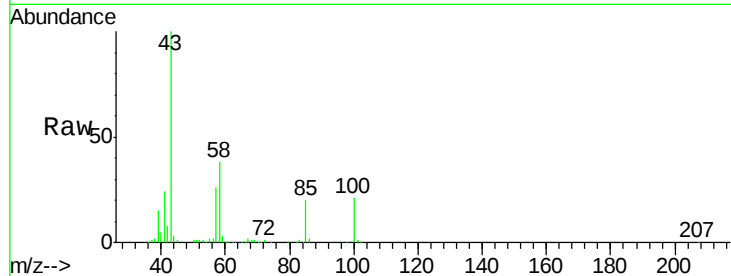
43 100

58 40.8 33.8 50.8

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#52

Toluene

Concen: 21.347 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD067029.D

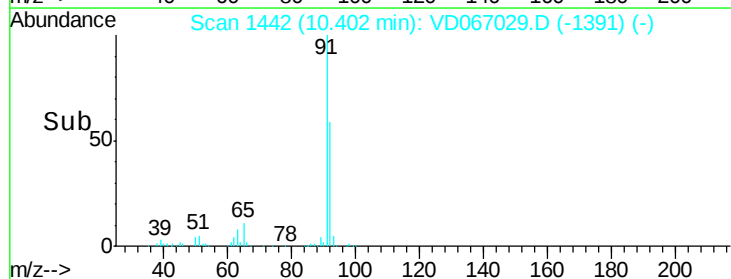
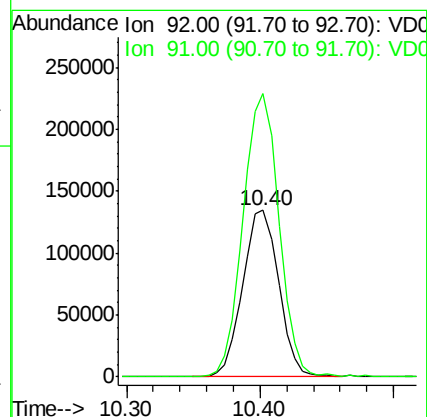
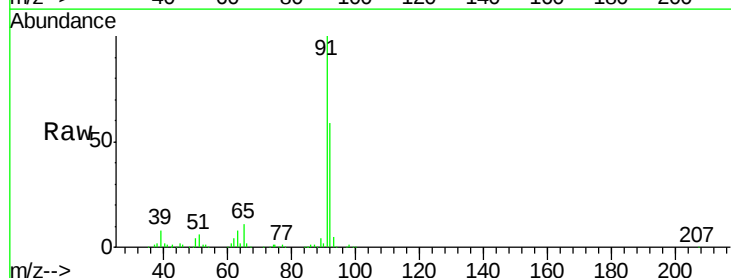
Acq: 02 Oct 2020 12:21

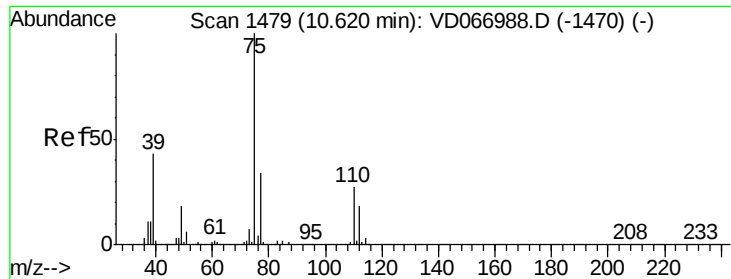
Tgt Ion: 92 Resp: 251656

Ion Ratio Lower Upper

92 100

91 169.2 135.1 202.7





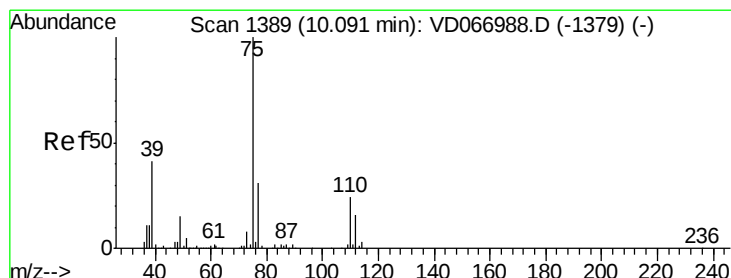
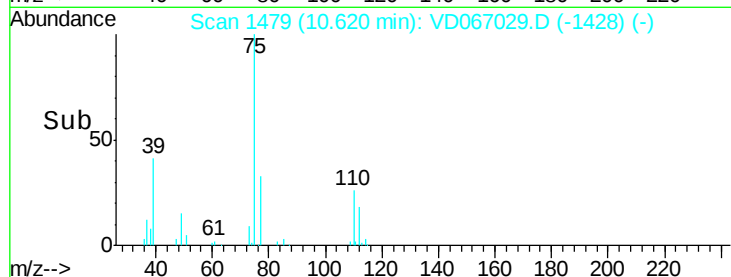
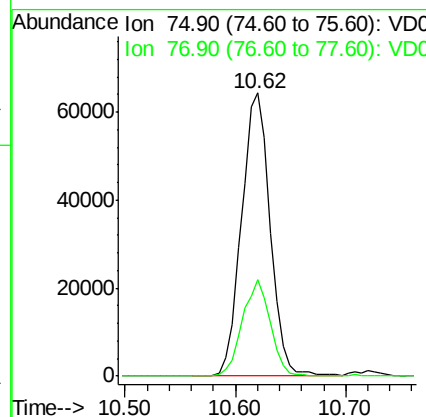
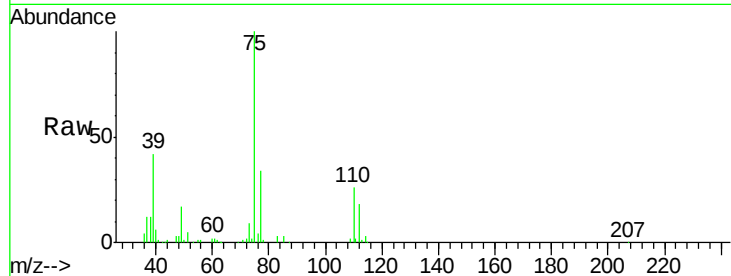
#53
 t-1,3-Dichloropropene
 Concen: 20.496 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD067029.D
 Acq: 02 Oct 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Tot Ion: 75 Resp: 117683
 Ion Ratio Lower Upper
 75 100
 77 34.1 27.1 40.7

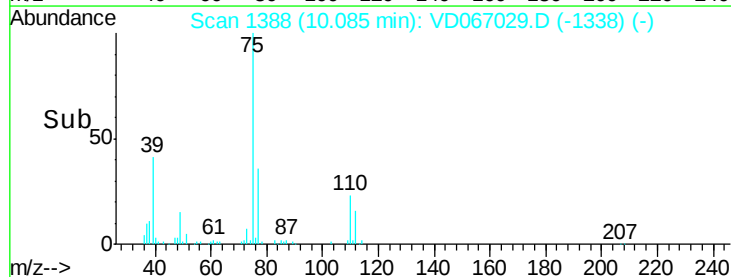
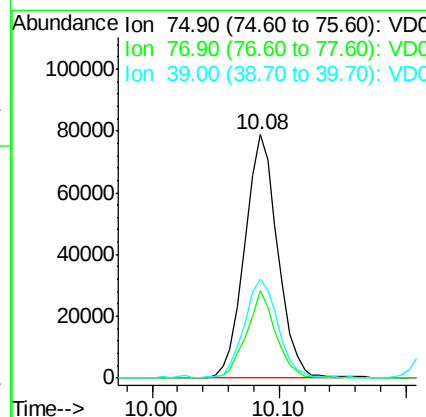
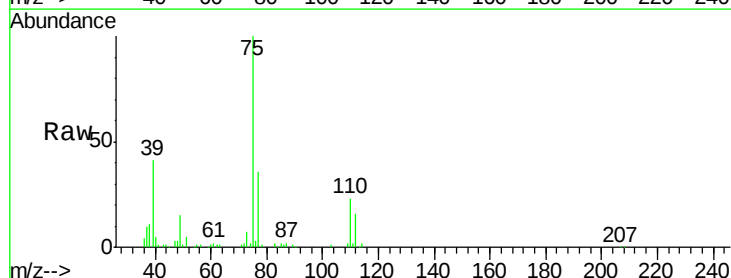
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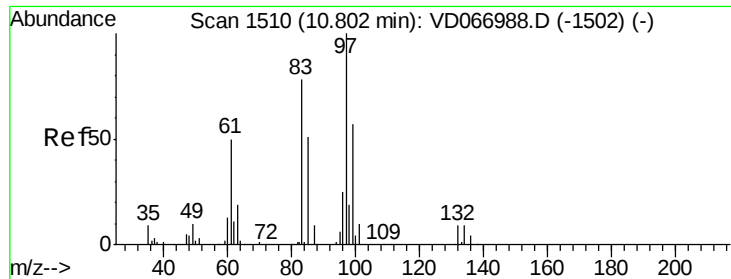
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#54
 cis-1,3-Dichloropropene
 Concen: 20.327 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: VD067029.D
 Acq: 02 Oct 2020 12:21

Tgt Ion: 75 Resp: 142517
 Ion Ratio Lower Upper
 75 100
 77 36.2 24.6 37.0
 39 40.9 33.0 49.4





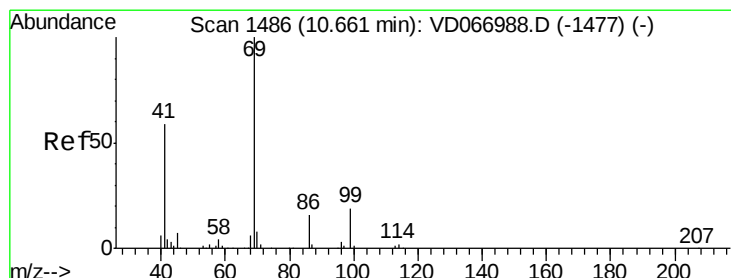
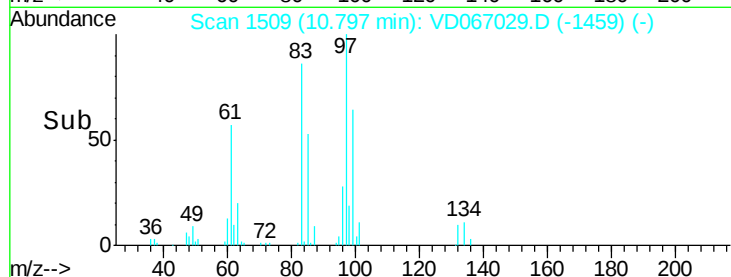
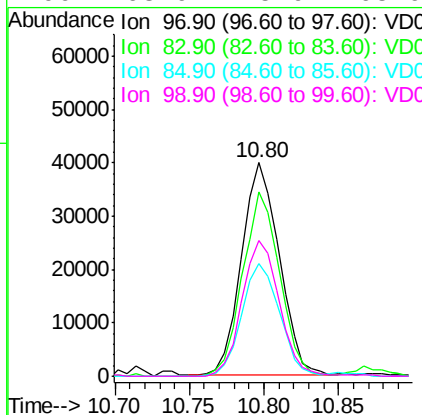
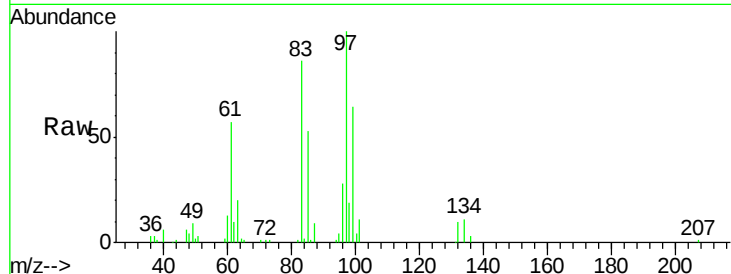
#55
 1,1,2-Trichloroethane
 Concen: 20.335 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD067029.D
 Acq: 02 Oct 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Tot Ion:	97	Resp:	69874
Ion	Ratio	Lower	Upper
97	100		
83	86.8	62.4	93.6
85	53.3	41.0	61.4
99	63.9	45.9	68.9

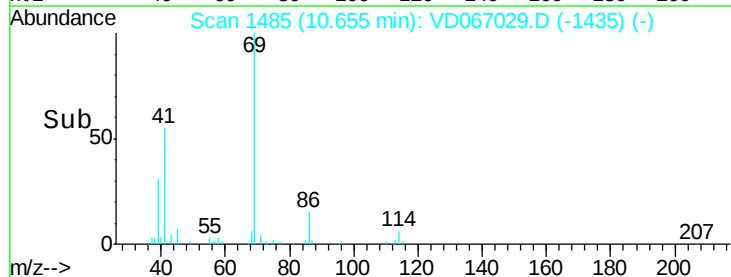
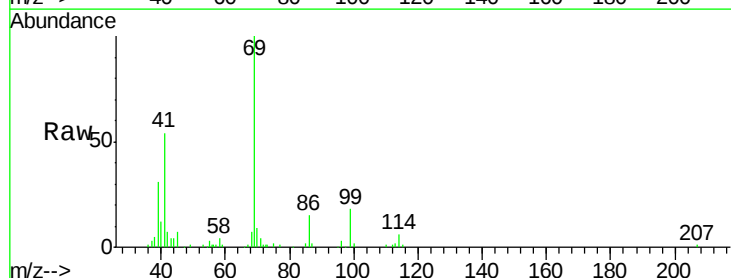
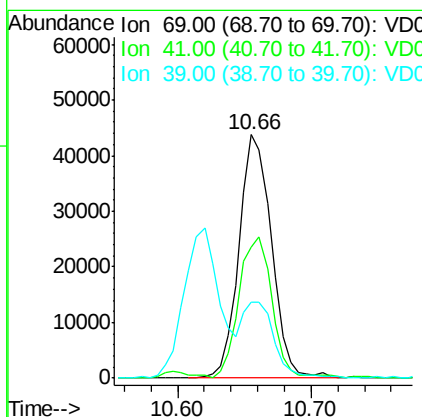
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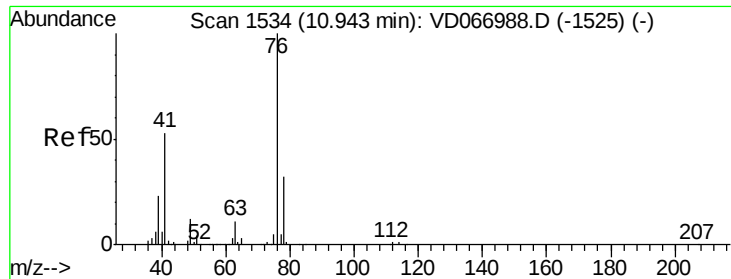
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 20.826 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD067029.D
 Acq: 02 Oct 2020 12:21

Tgt Ion:	69	Resp:	73881
Ion	Ratio	Lower	Upper
69	100		
41	59.4	46.4	69.6
39	30.5	23.8	35.6





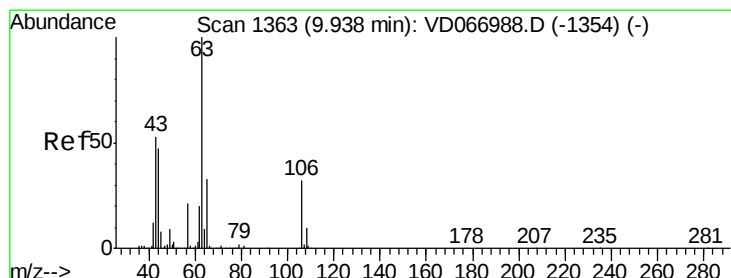
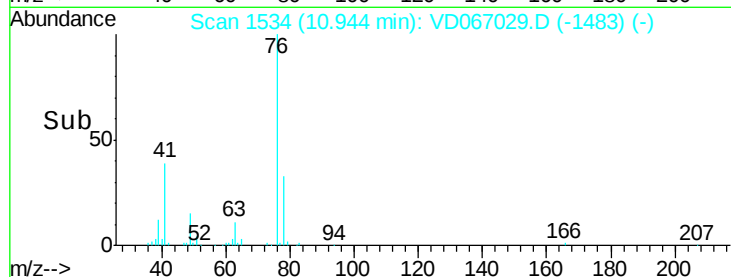
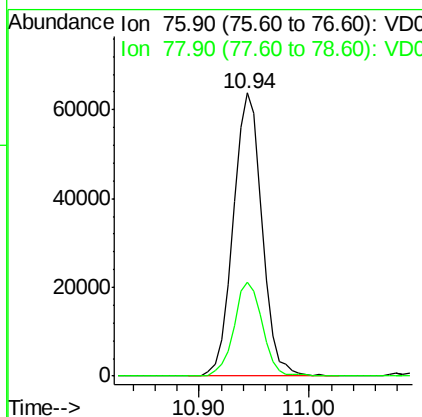
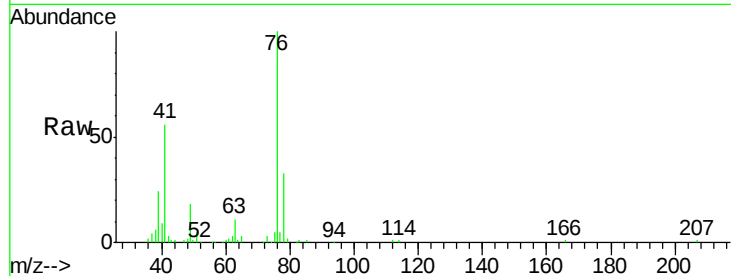
#57
 1,3-Dichloropropane
 Concen: 20.903 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD067029.D
 Acq: 02 Oct 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Tot Ion: 76 Resp: 116472
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.8

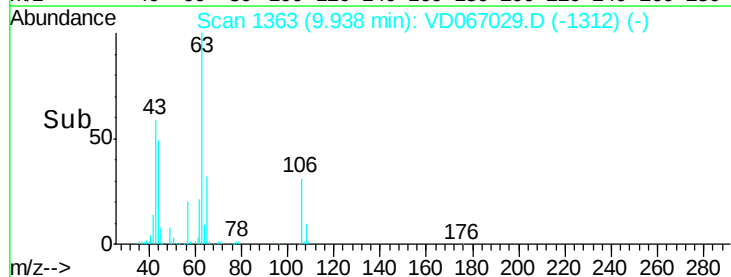
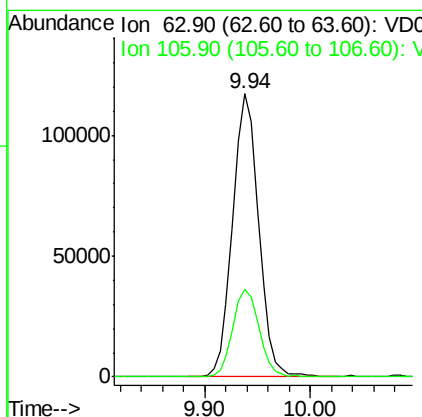
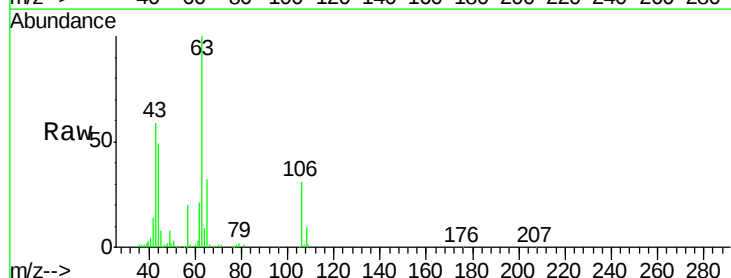
Manual Integrations
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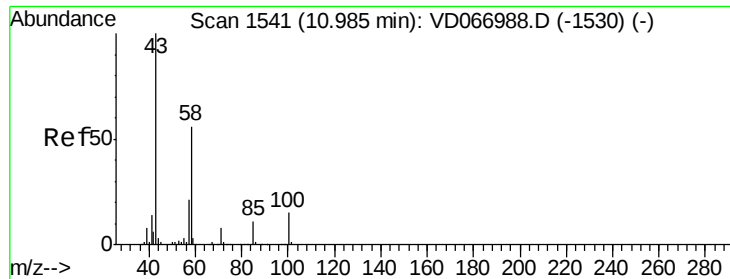
MMDadoda
 10/5/2020 5:34:25 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.169 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD067029.D
 Acq: 02 Oct 2020 12:21

Tgt Ion: 63 Resp: 199759
 Ion Ratio Lower Upper
 63 100
 106 31.5 25.3 37.9





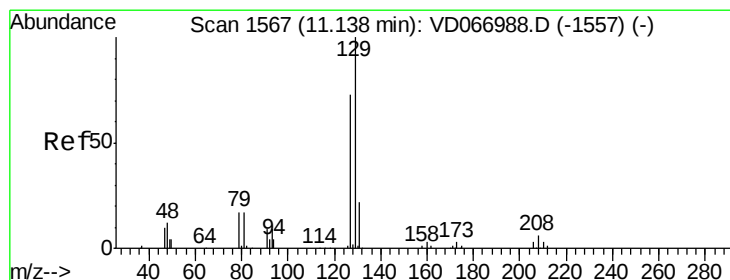
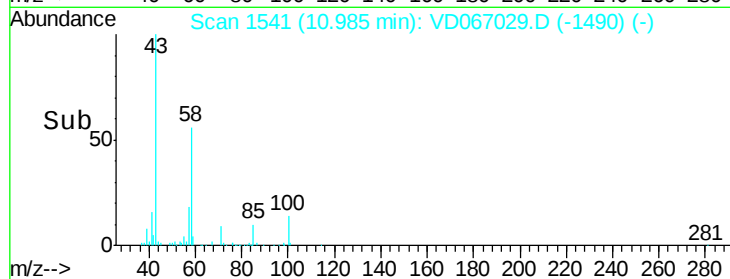
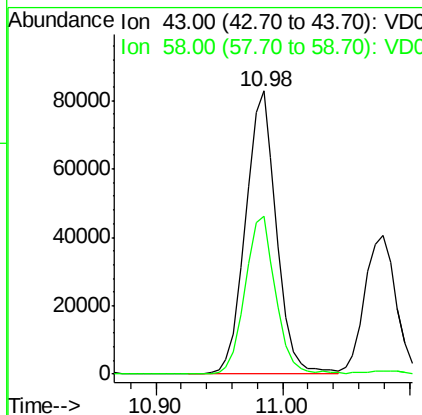
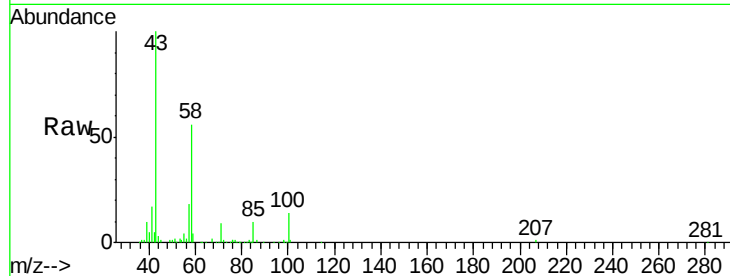
#59
2-Hexanone
Concen: 100.039 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion: 43 Resp: 139851
Ion Ratio Lower Upper
43 100
58 55.2 28.3 84.9

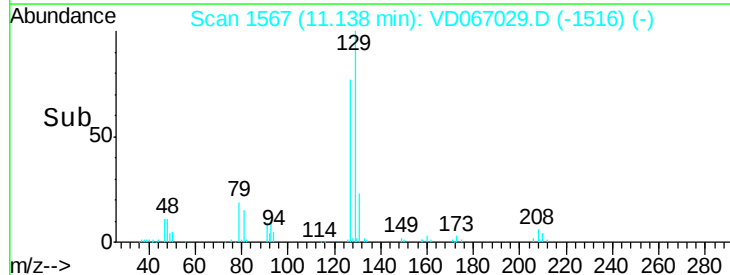
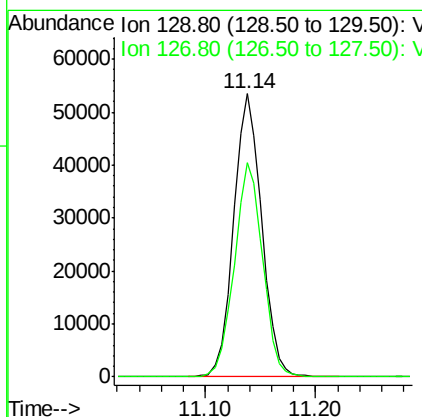
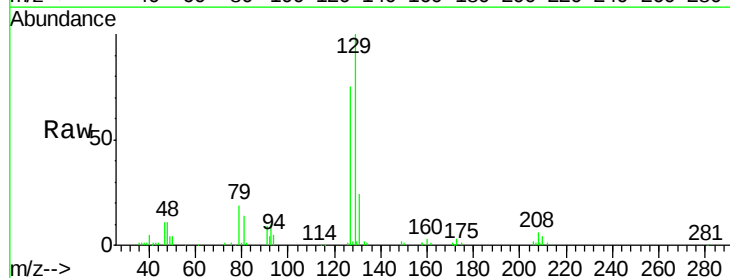
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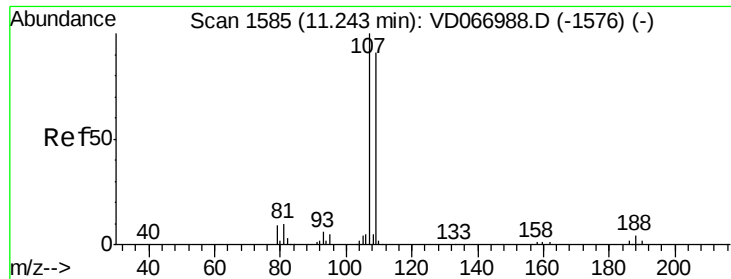
MMDadoda
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#60
Dibromochloromethane
Concen: 20.839 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Tgt Ion: 129 Resp: 95437
Ion Ratio Lower Upper
129 100
127 76.2 37.4 112.1





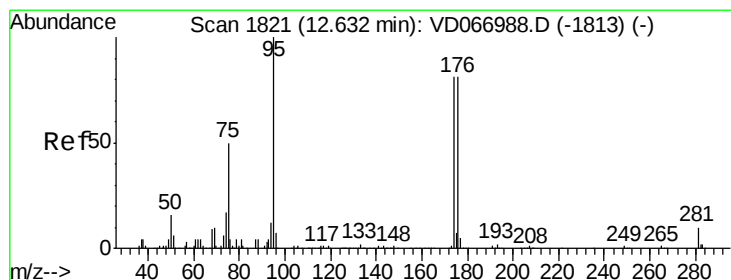
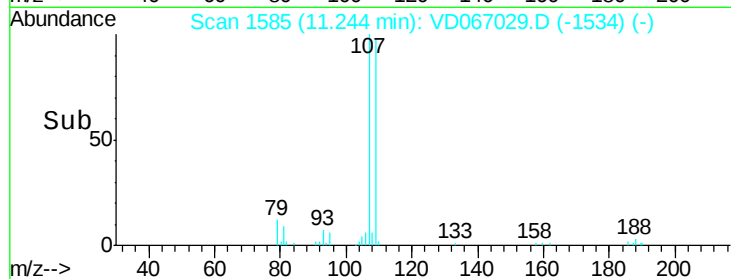
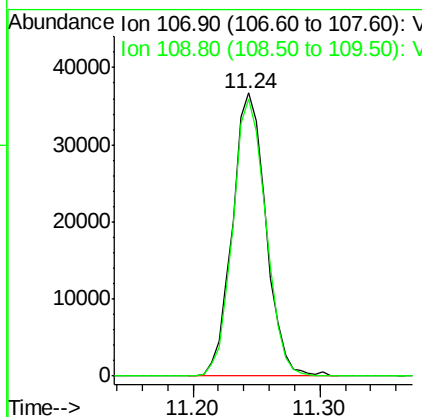
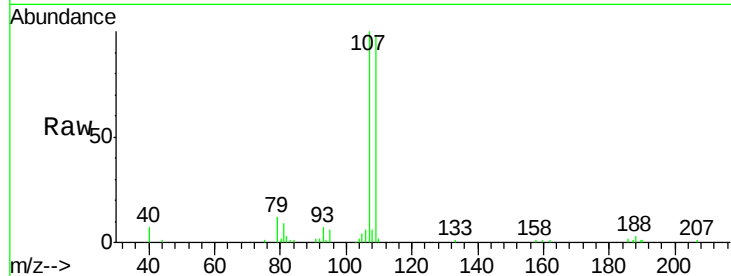
#61
 1,2-Dibromoethane
 Concen: 20.329 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD067029.D
 Acq: 02 Oct 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	74.0	111.0

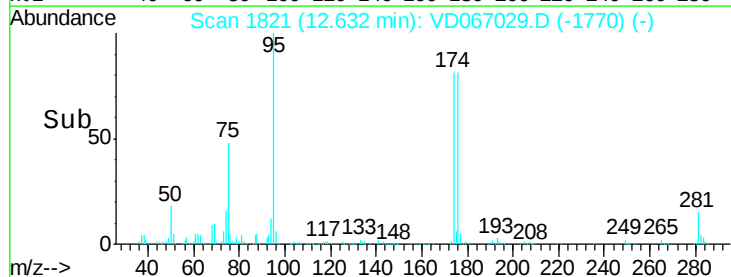
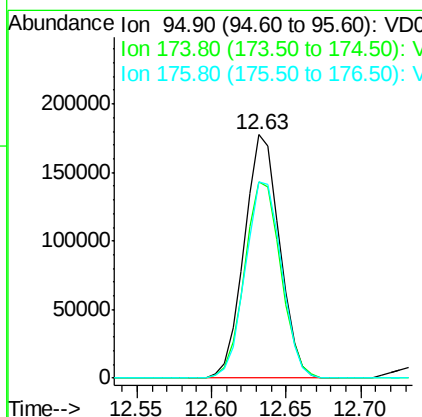
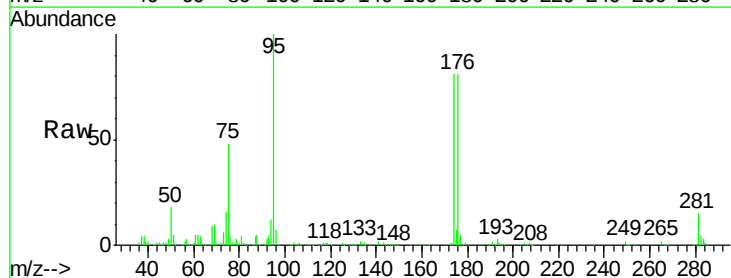
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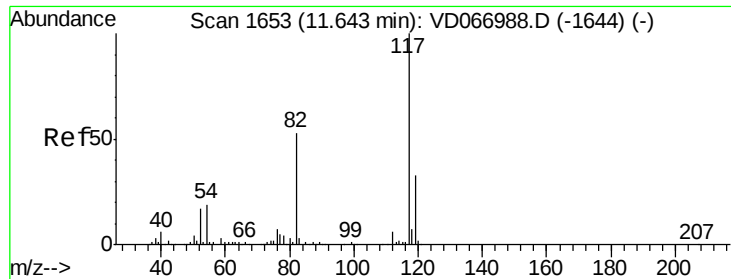
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 50.914 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD067029.D
 Acq: 02 Oct 2020 12:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.6	0.0	167.6
176	82.3	0.0	162.4





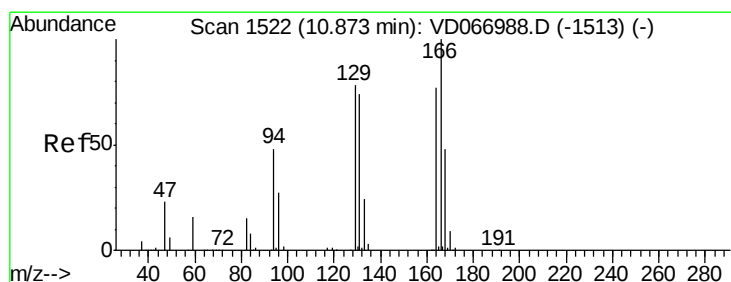
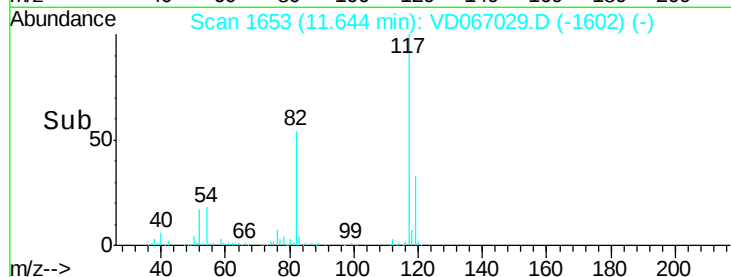
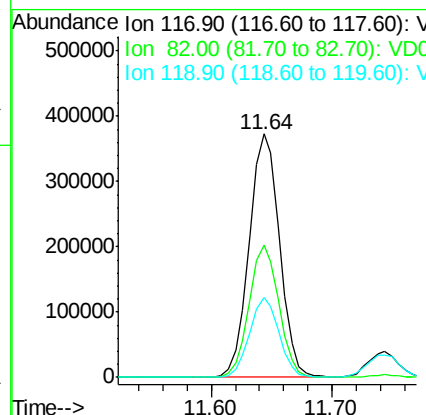
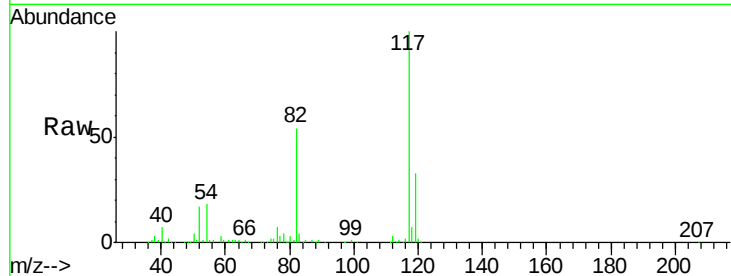
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.6	63.8
119	32.9	26.3	39.5

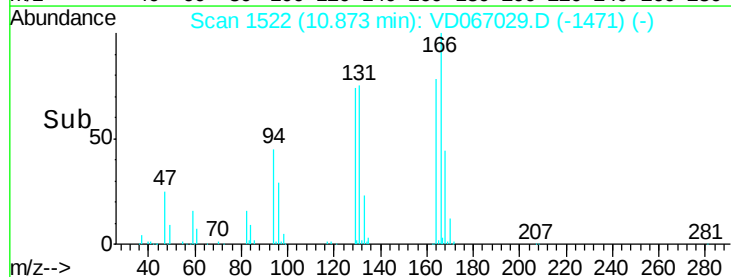
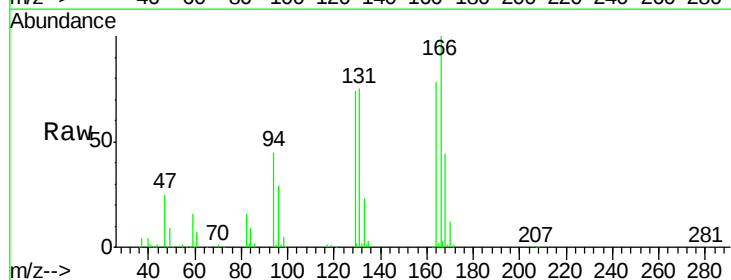
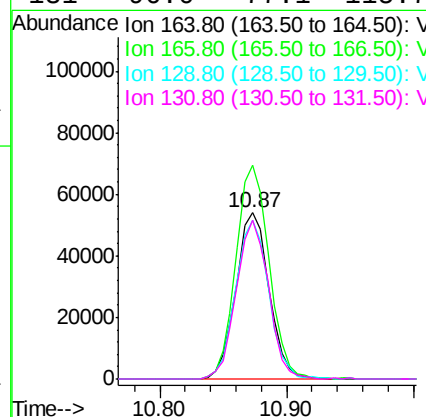
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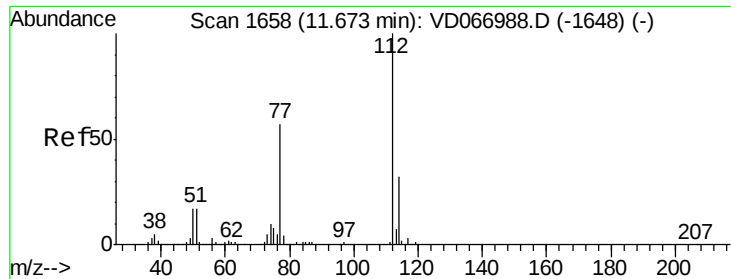
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#64
Tetrachloroethene
Concen: 20.460 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	104.4	156.6
129	95.3	81.3	121.9
131	96.0	77.1	115.7





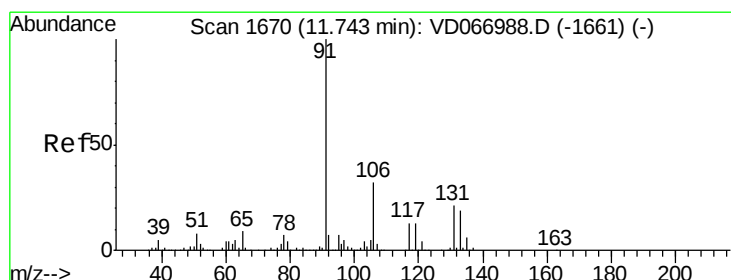
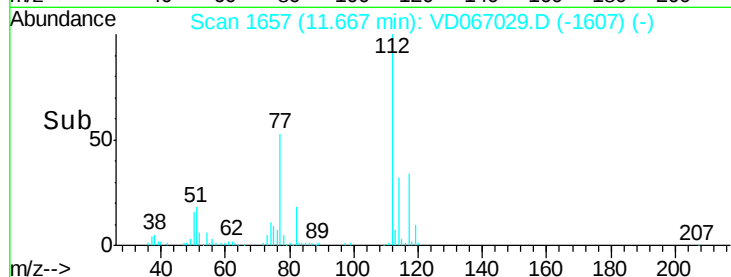
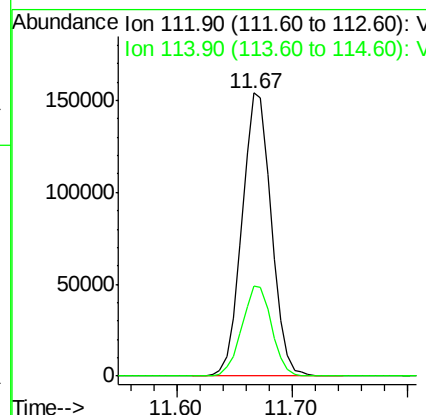
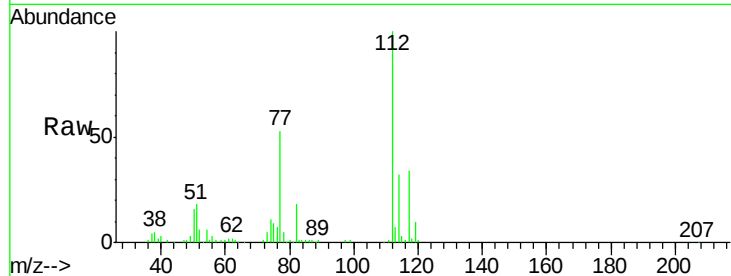
#65
Chlorobenzene
Concen: 20.695 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.4	38.0

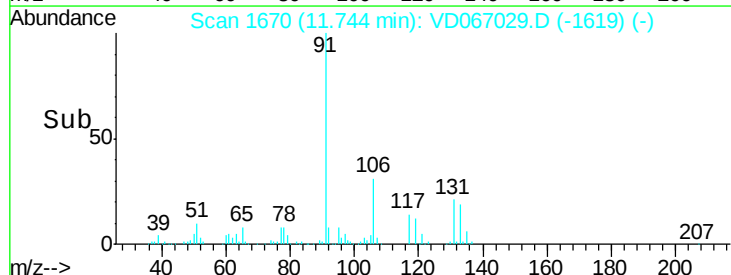
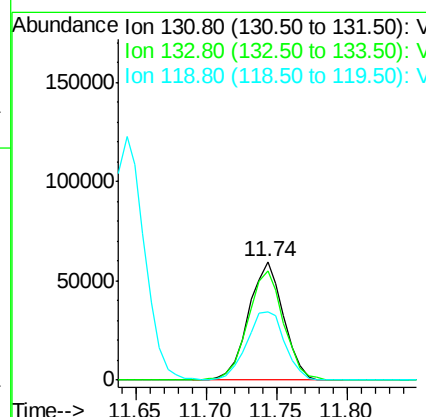
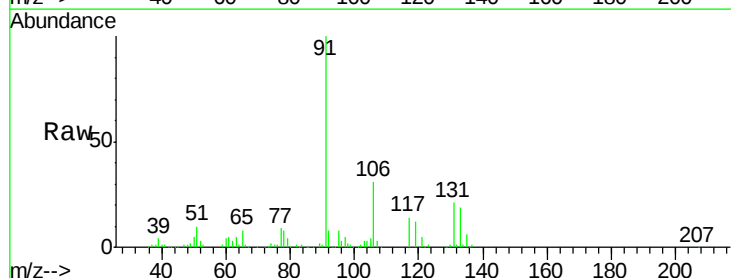
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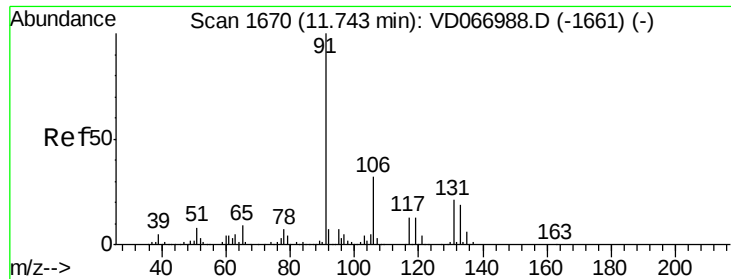
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.707 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.8	143.3
119	63.5	32.3	96.8





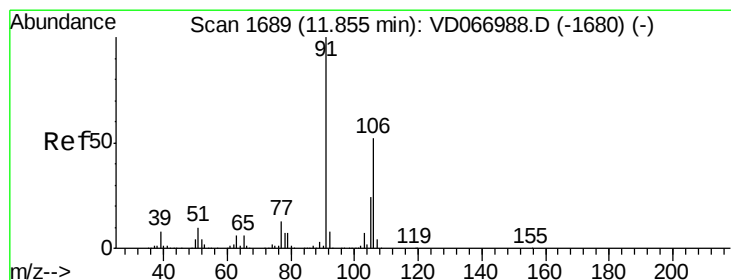
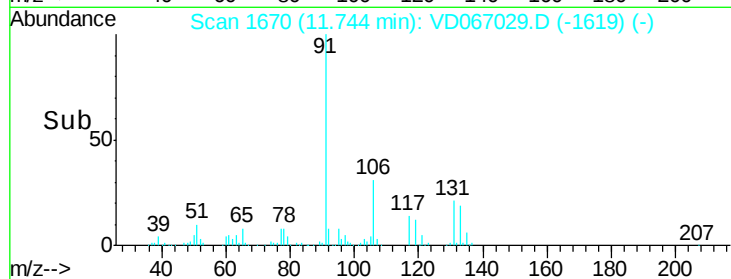
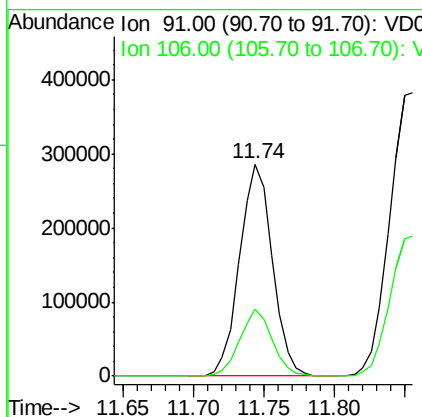
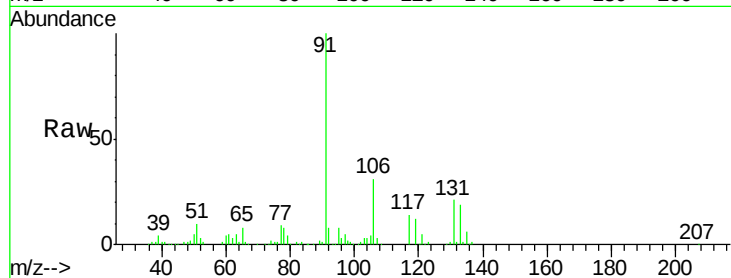
#67
Ethyl Benzene
Concen: 20.815 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion: 91 Resp: 466653
Ion Ratio Lower Upper
91 100
106 31.4 25.4 38.2

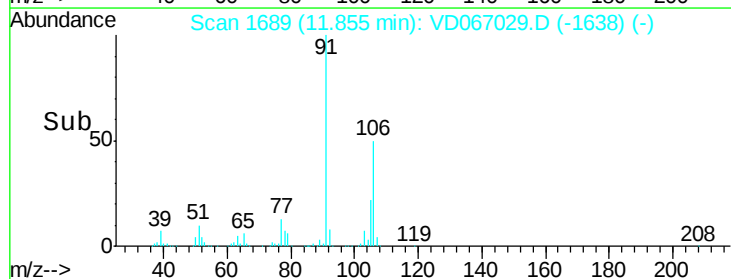
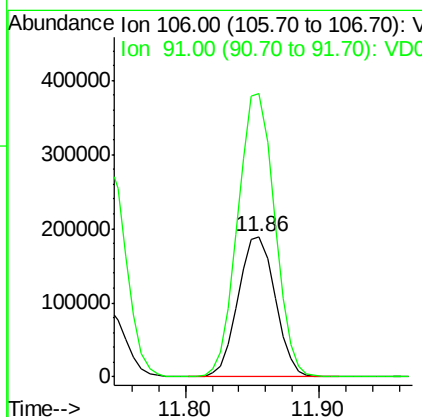
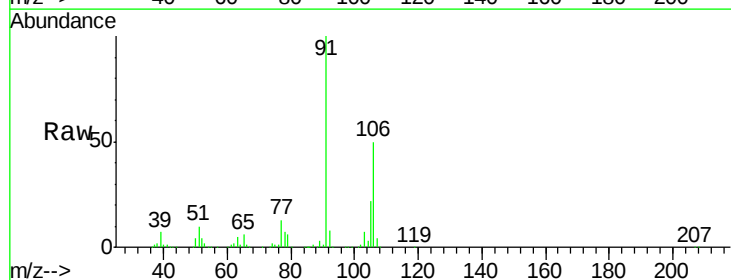
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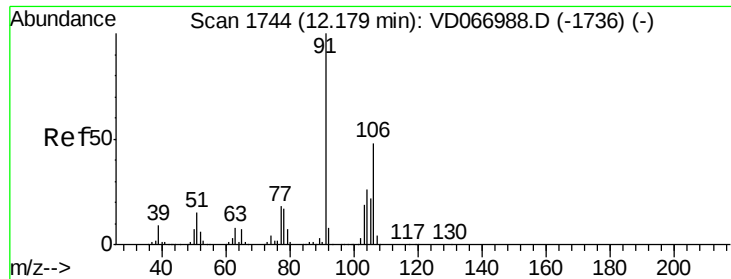
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#68
m/p-Xylenes
Concen: 41.935 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Tgt Ion: 106 Resp: 366382
Ion Ratio Lower Upper
106 100
91 200.3 158.4 237.6





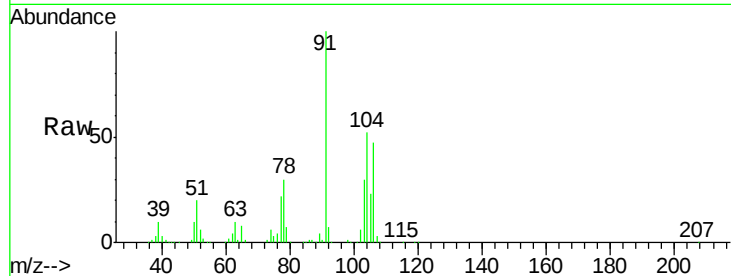
#69
o-Xylene
Concen: 20.699 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

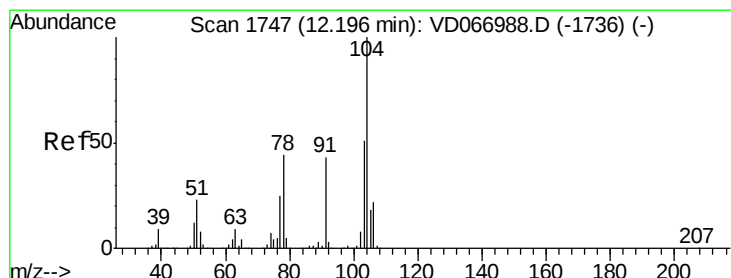
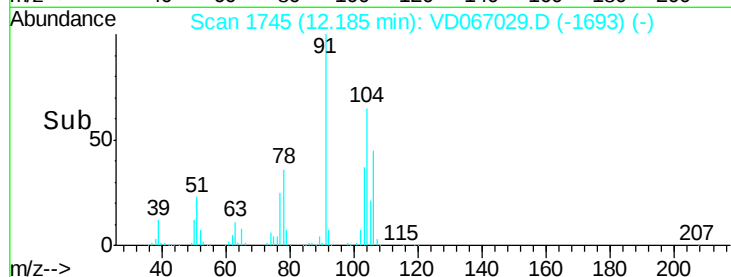
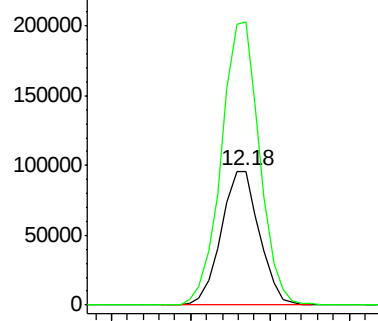
Tot Ion:106 Resp: 161723
Ion Ratio Lower Upper
106 100
91 210.7 102.4 307.2

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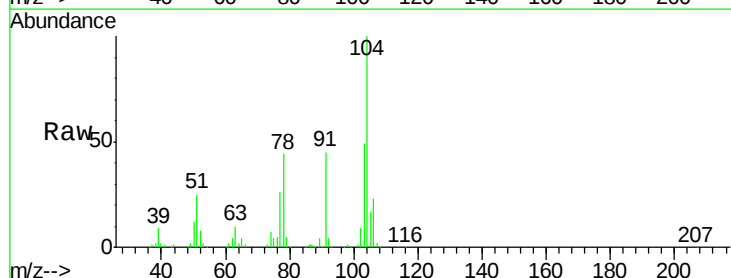


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

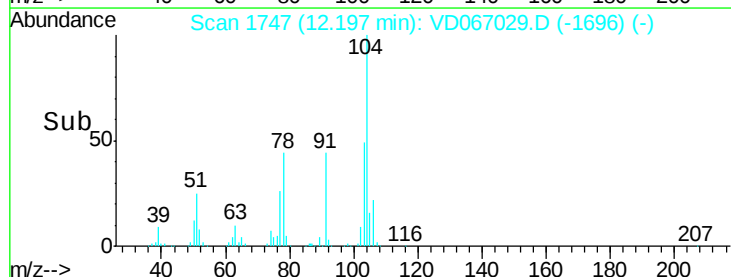
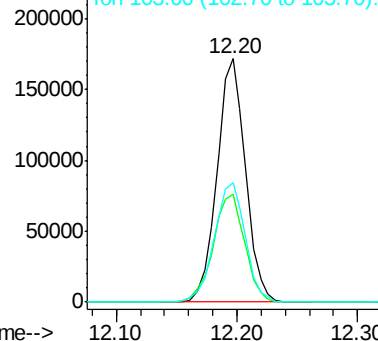


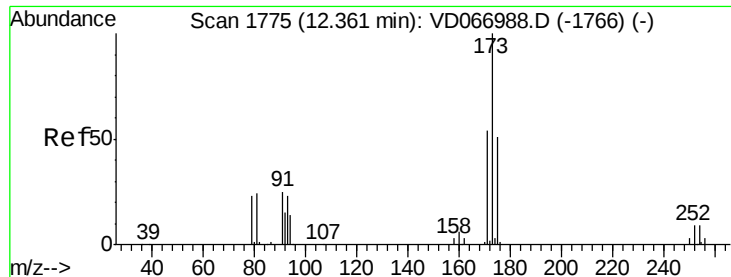
#70
Styrene
Concen: 21.037 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Tgt Ion:104 Resp: 282236
Ion Ratio Lower Upper
104 100
78 49.0 38.6 58.0
103 53.5 43.4 65.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





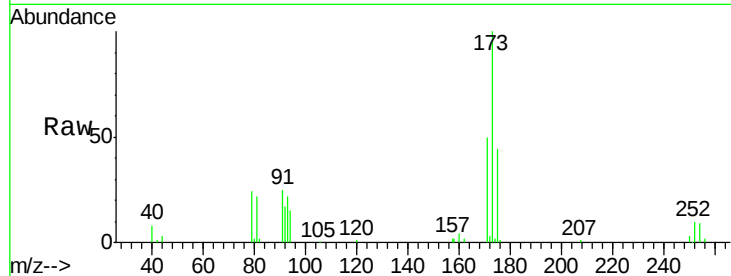
#71
Bromoform
Concen: 20.438 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.9	74.7
254	0.0	0.2	0.4

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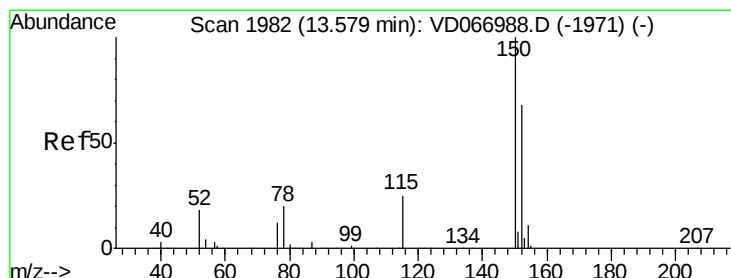
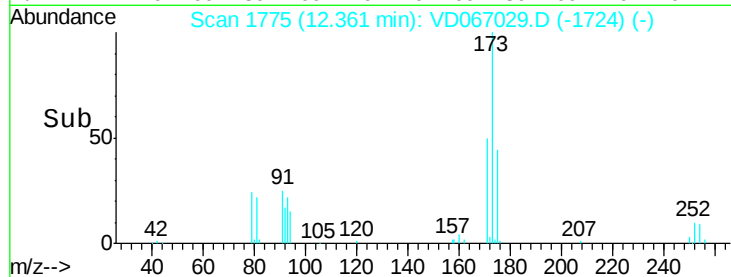
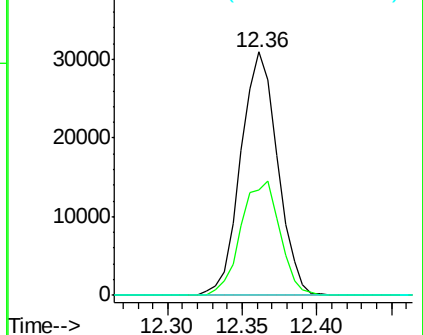


Abundance

Ion 172.70 (172.40 to 173.40): V

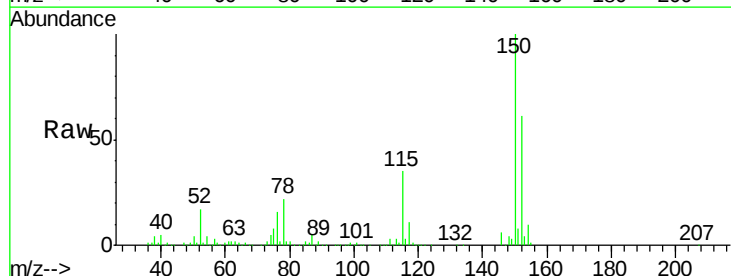
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.6	88.8
150	166.2	0.0	344.8

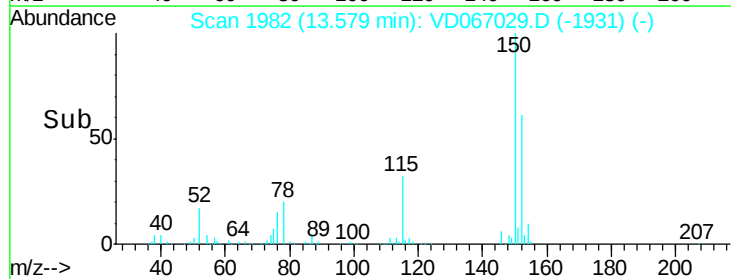
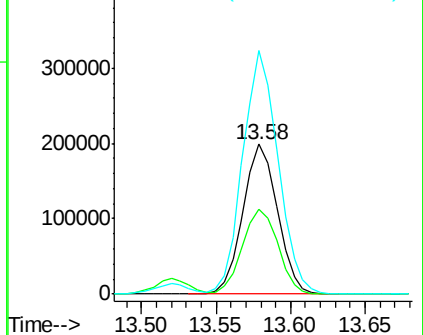


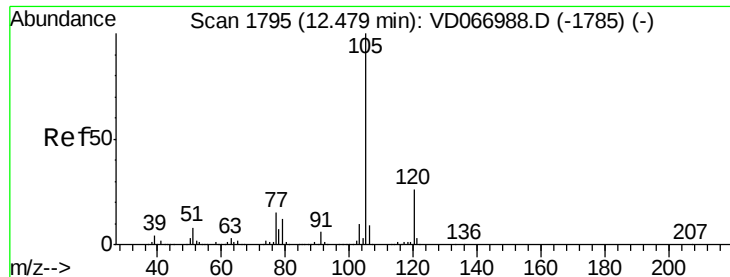
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





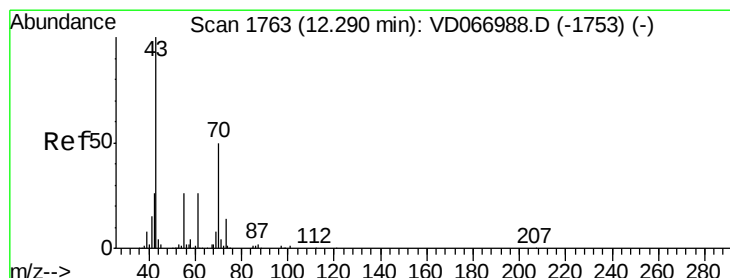
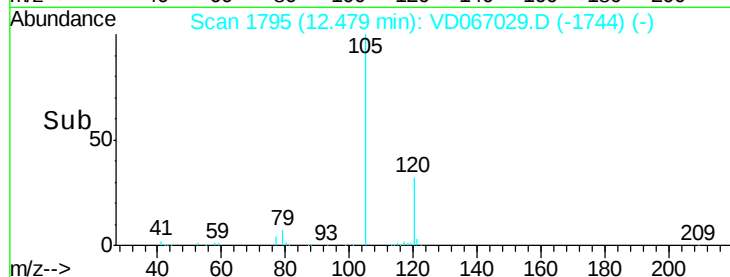
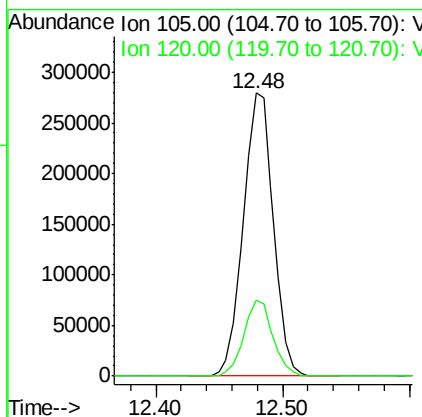
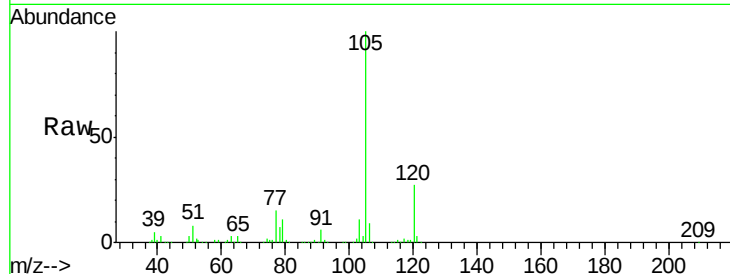
#73
Isopropylbenzene
Concen: 21.186 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.3	39.9

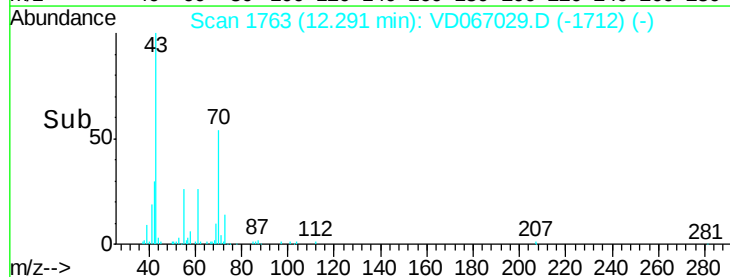
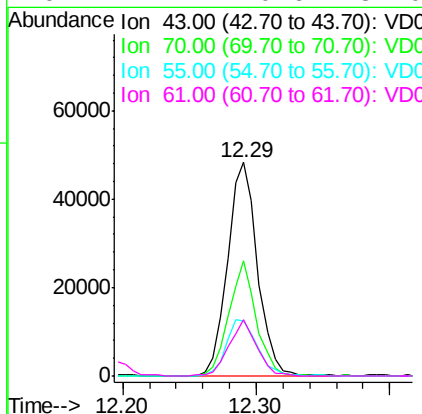
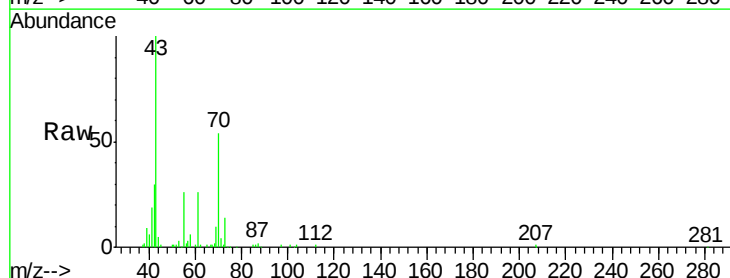
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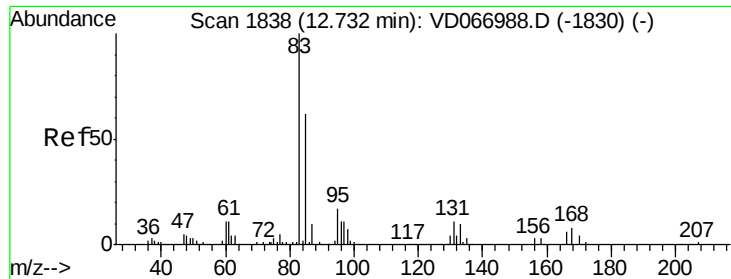
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#74
N-ethyl acetate
Concen: 19.383 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Tgt Ion	Ratio	Lower	Upper
43	100		
70	49.4	38.2	57.2
55	27.5	22.4	33.6
61	24.1	20.6	31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.113 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

Instrument :

MSVOA_D

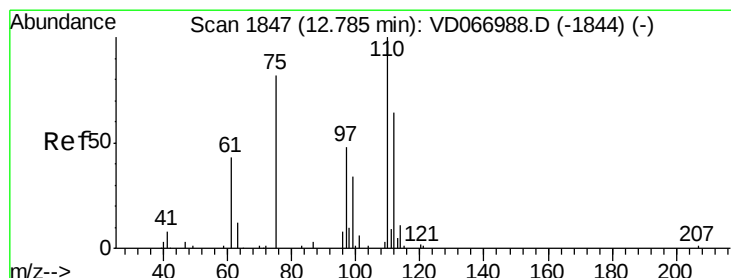
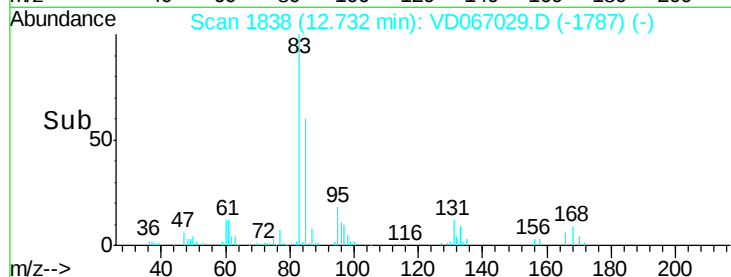
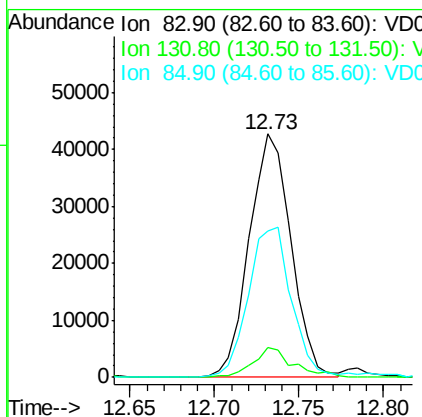
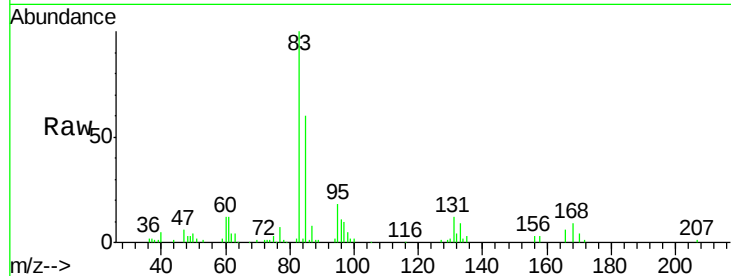
ClientSampleId :

VD1002SBS01

Tot Ion	83	Resp	73536
Ion Ratio	100	Lower	Upper
83	100		
131	11.7	5.7	17.0
85	63.5	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.901 ug/l m

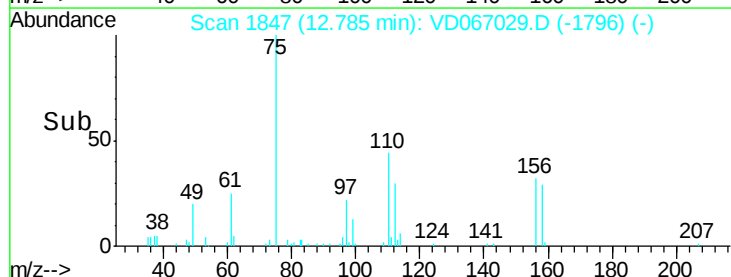
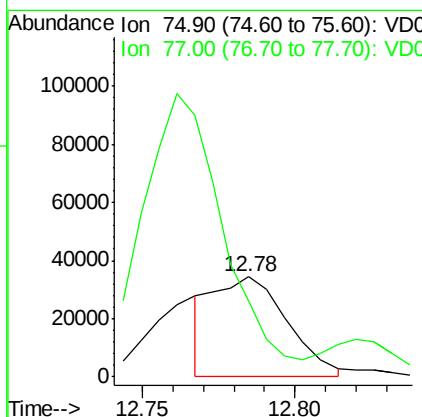
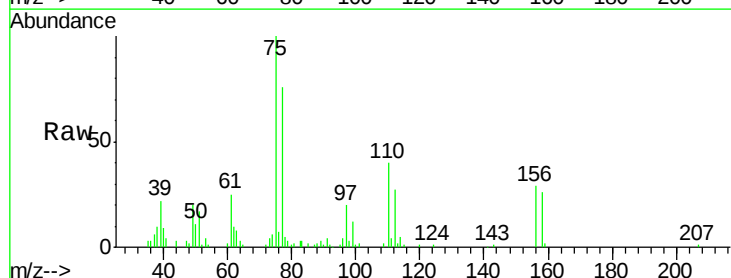
RT: 12.78 min Scan# 1847

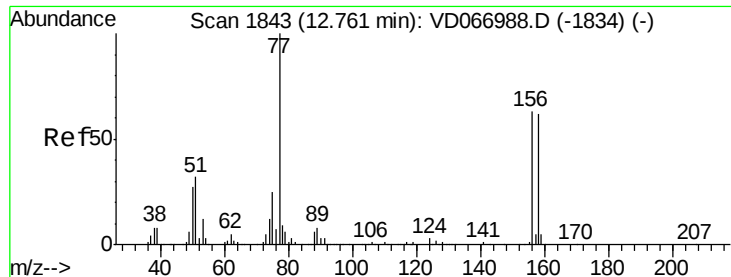
Delta R.T. 0.00 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

Tgt Ion	75	Resp	58180
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.426 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion:156 Resp: 107028

Ion Ratio Lower Upper

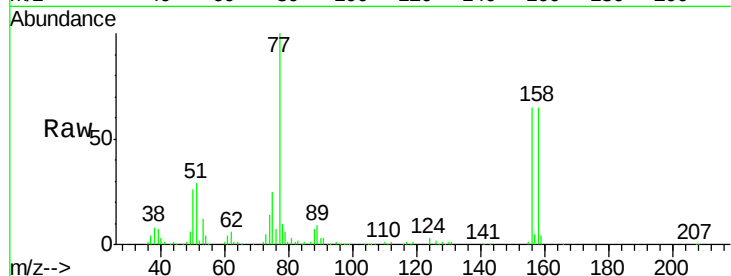
156 100

77 171.0 86.3 258.8

158 96.7 49.5 148.3

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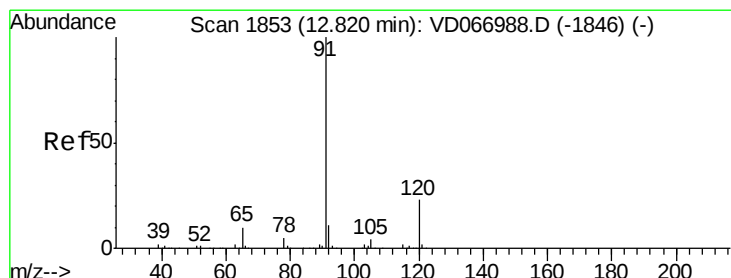
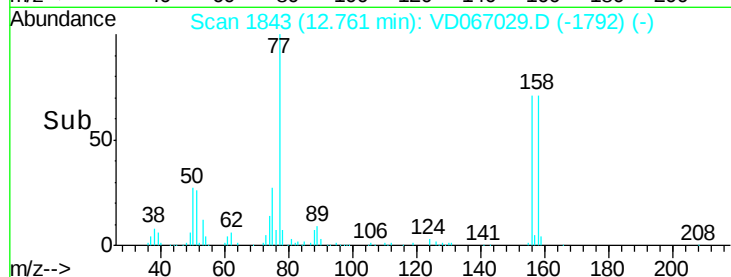
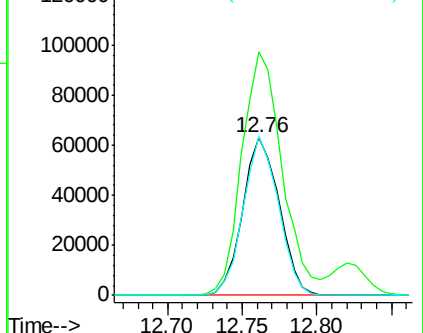
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.909 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD067029.D

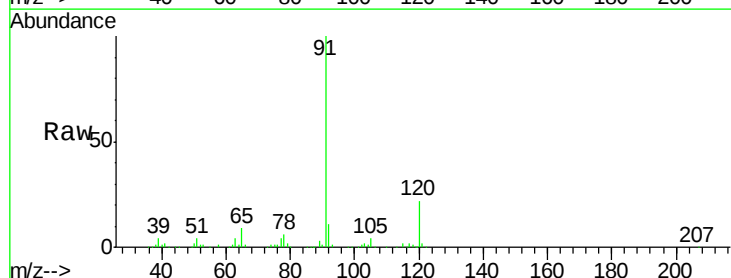
Acq: 02 Oct 2020 12:21

Tgt Ion: 91 Resp: 536221

Ion Ratio Lower Upper

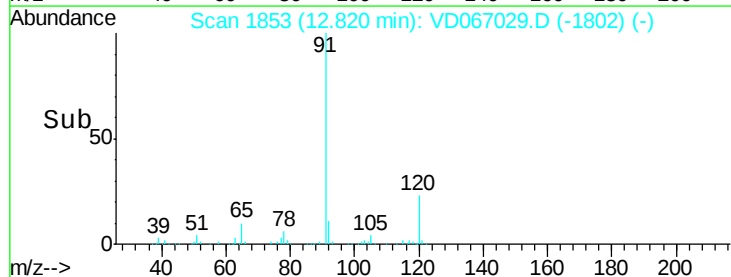
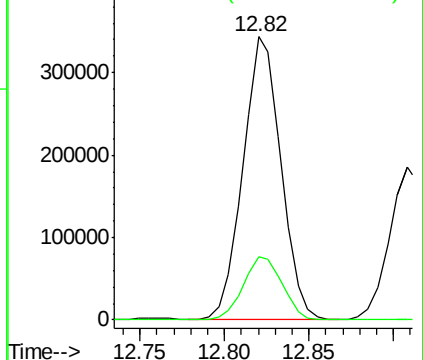
91 100

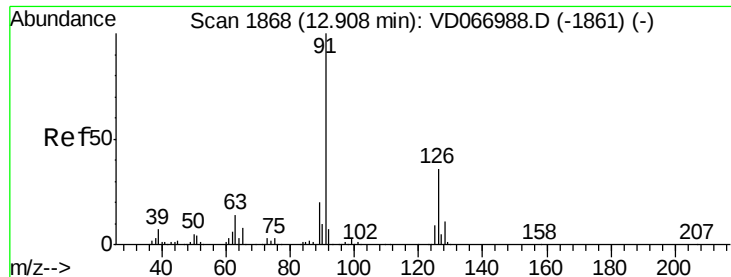
120 23.1 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





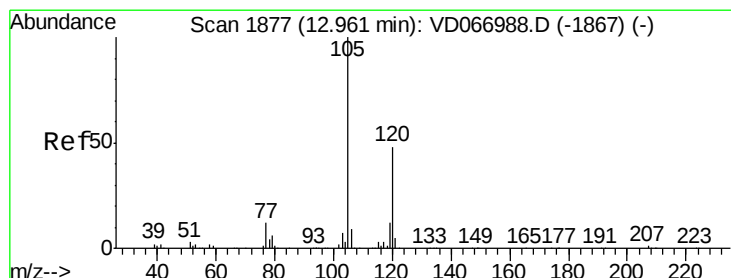
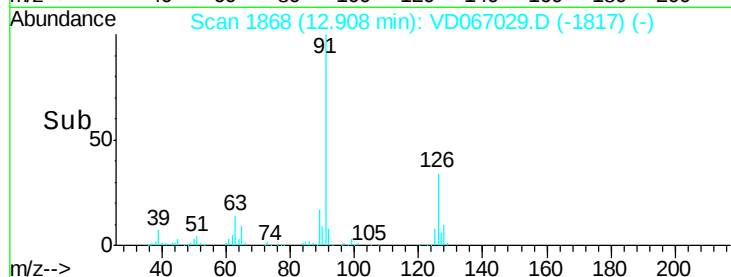
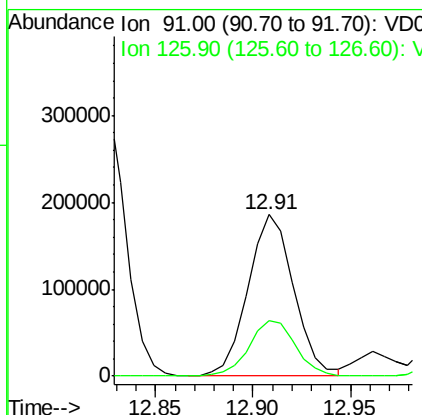
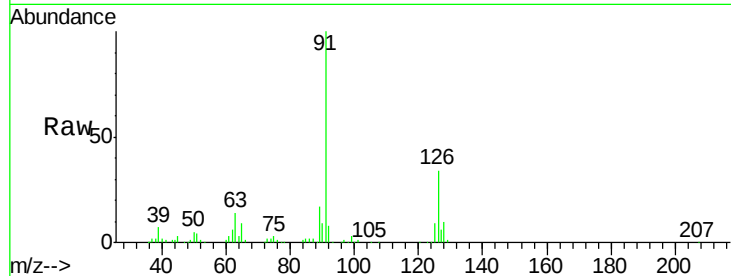
#79
2-Chlorotoluene
Concen: 20.508 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.5	52.6

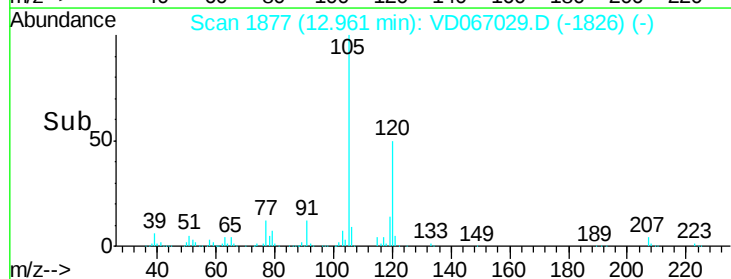
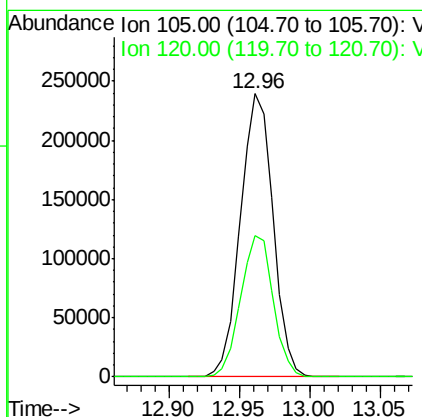
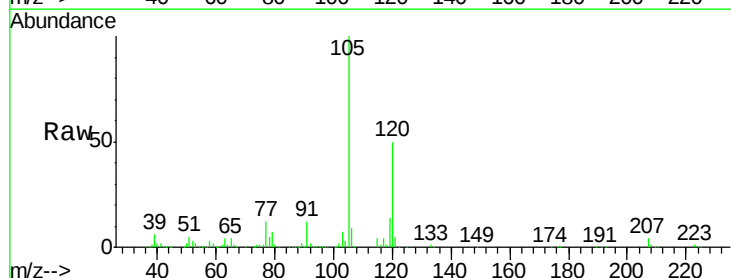
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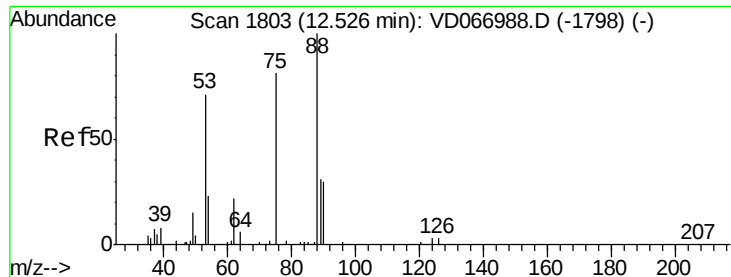
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#80
1,3,5-Trimethylbenzene
Concen: 21.066 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.1	24.6	74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.428 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

Instrument :

MSVOA_D

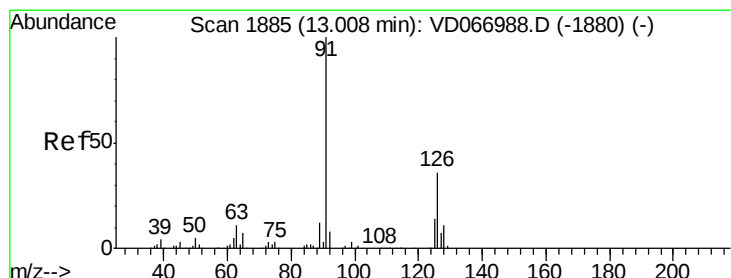
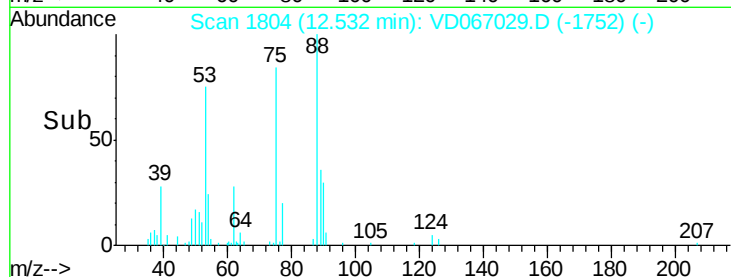
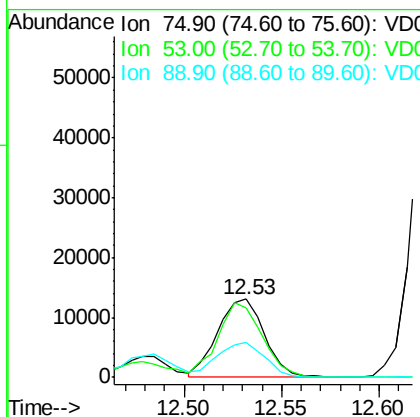
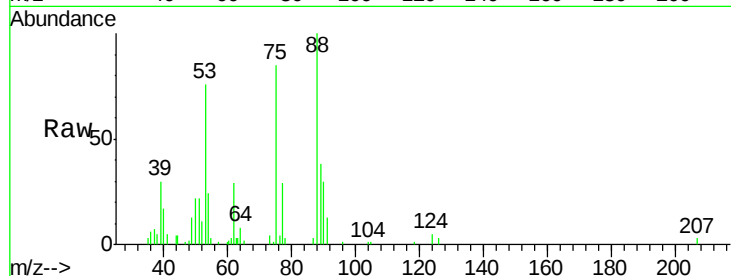
ClientSampleId :

VD1002SBS01

Tot Ion:	75	Resp:	21692
Ion	Ratio	Lower	Upper
75	100		
53	90.9	73.8	110.6
89	45.7	38.9	58.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.648 ug/l

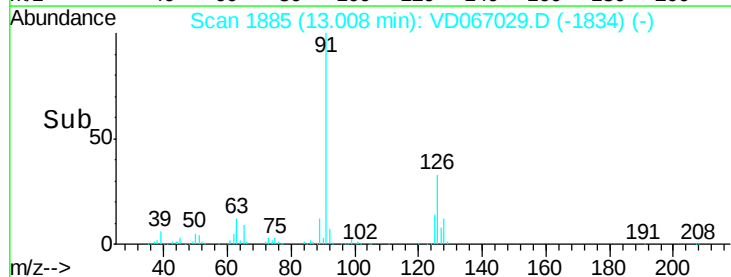
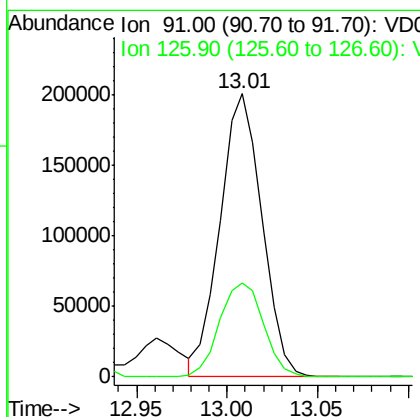
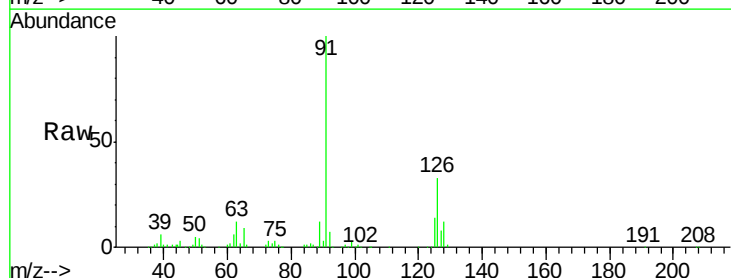
RT: 13.01 min Scan# 1885

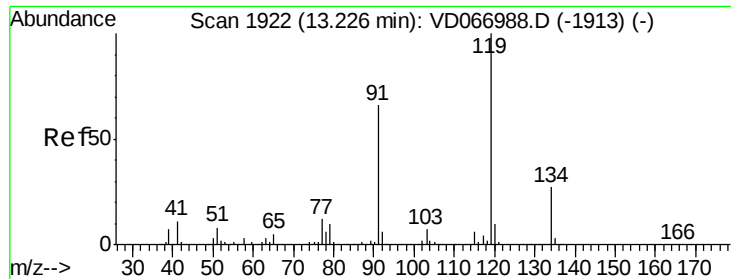
Delta R.T. 0.00 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

Tgt Ion:	91	Resp:	322335
Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.5	52.5





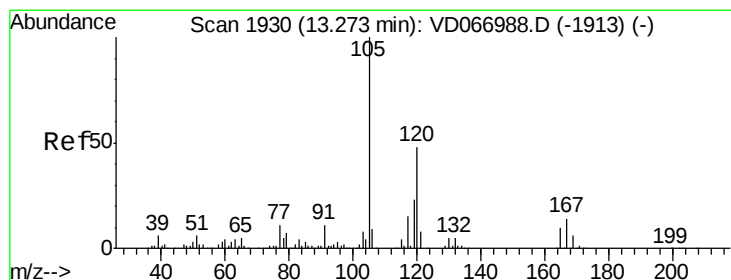
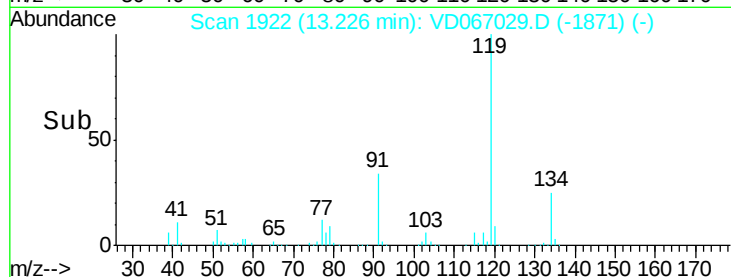
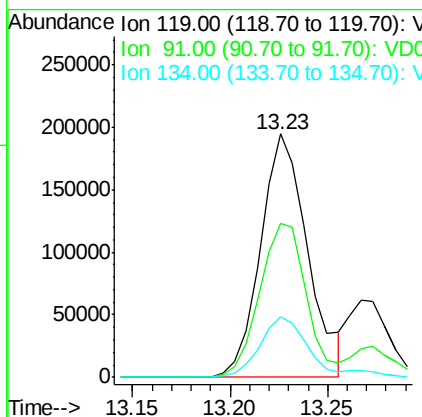
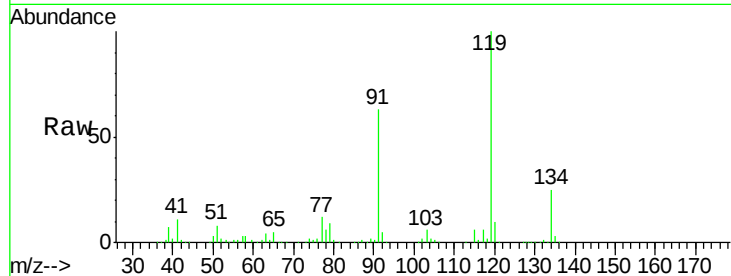
#83
tert-Butylbenzene
Concen: 21.053 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	325035		
91	62.9	32.8	98.3	
134	25.0	13.9	41.7	

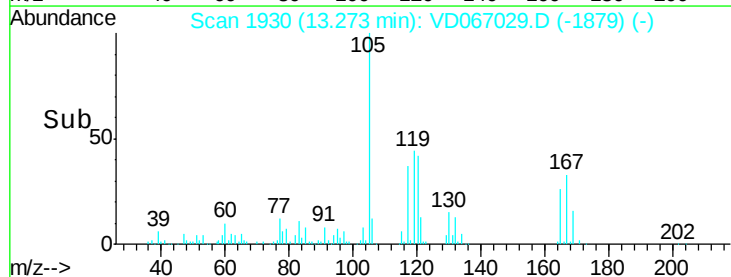
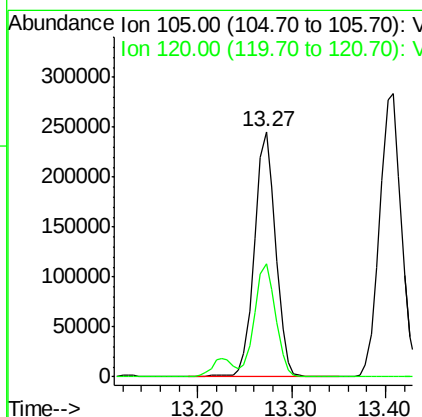
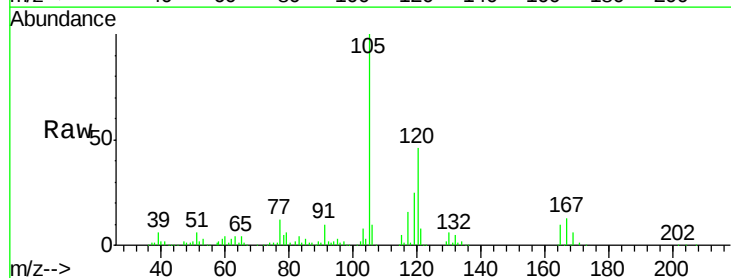
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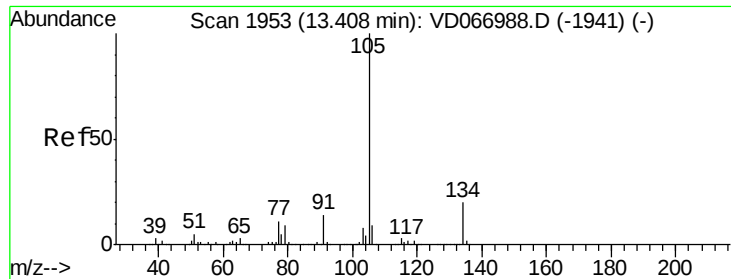
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#84
1,2,4-Trimethylbenzene
Concen: 20.927 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	382896		
120	45.9	23.3	69.8	





#85

sec-Butylbenzene

Concen: 20.871 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion:105 Resp: 453773

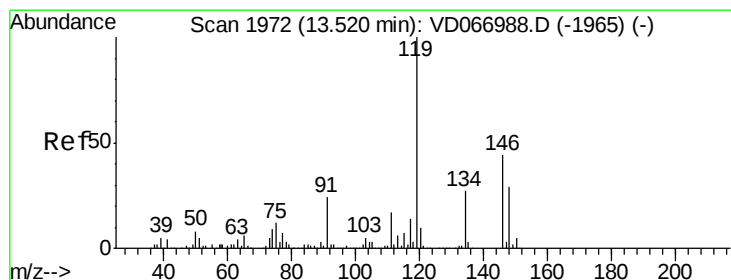
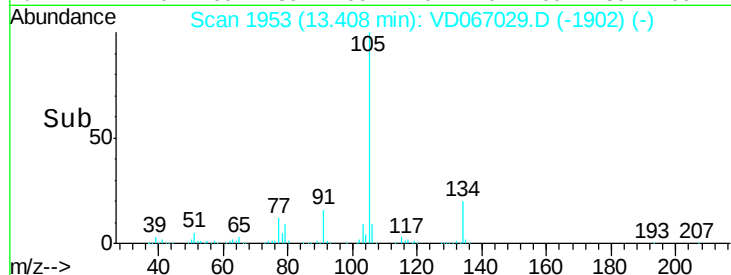
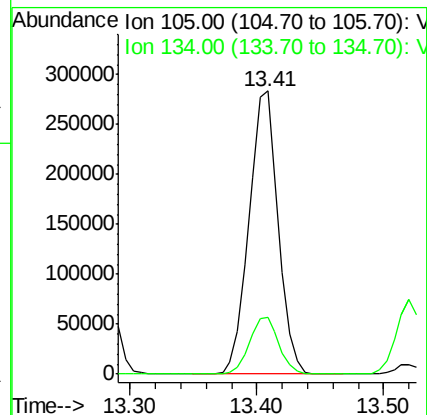
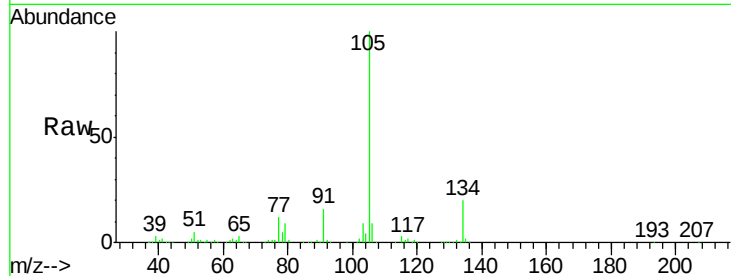
Ion Ratio Lower Upper

105 100

134 20.3 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 20.840 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

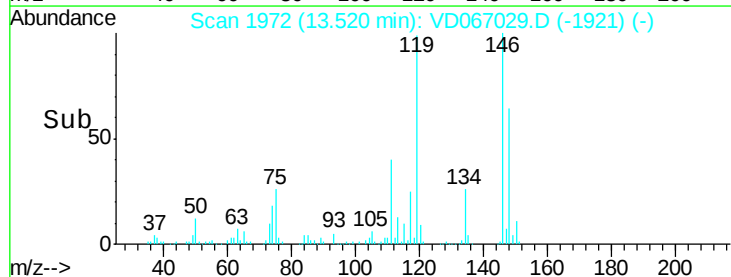
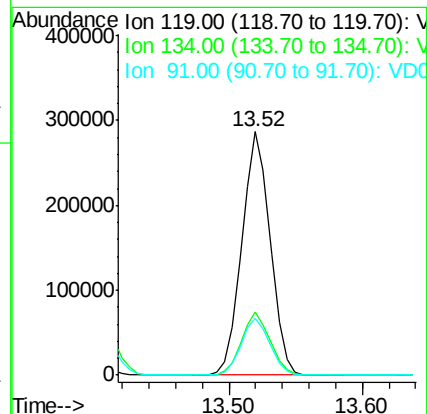
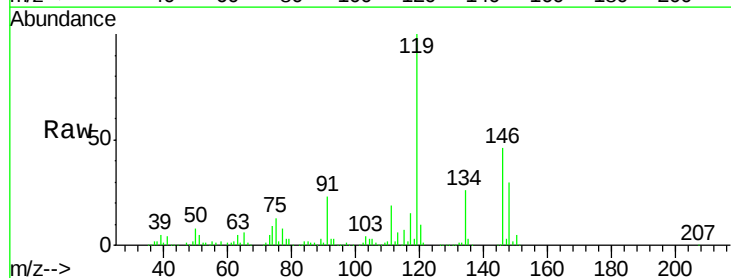
Tgt Ion:119 Resp: 420070

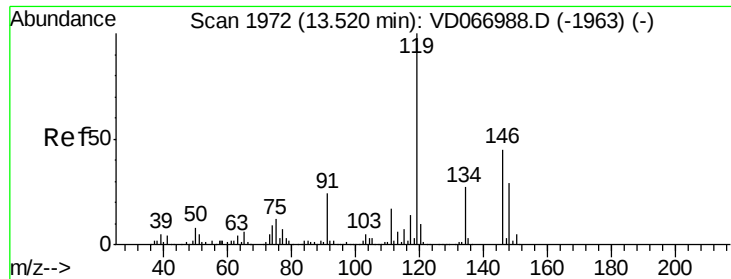
Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.1

91 23.4 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 20.826 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

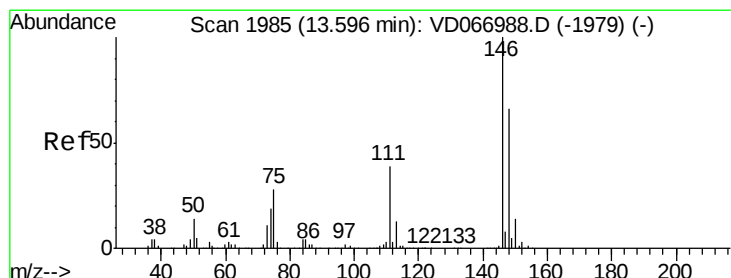
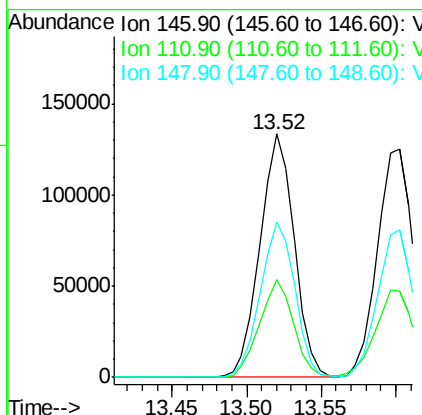
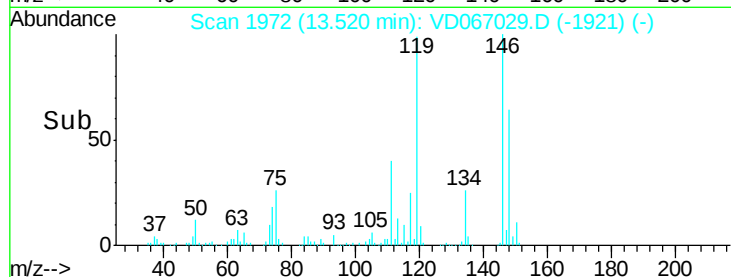
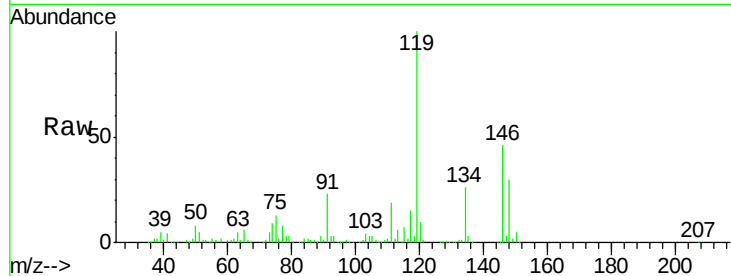
Instrument :
MSVOA_D

ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	212555		
111	39.7	20.0	60.0	
148	64.2	31.9	95.9	

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#88

1,4-Dichlorobenzene

Concen: 20.516 ug/l

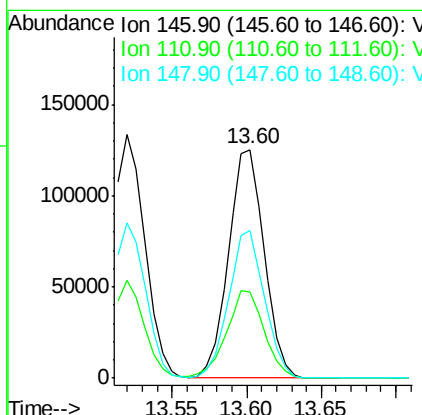
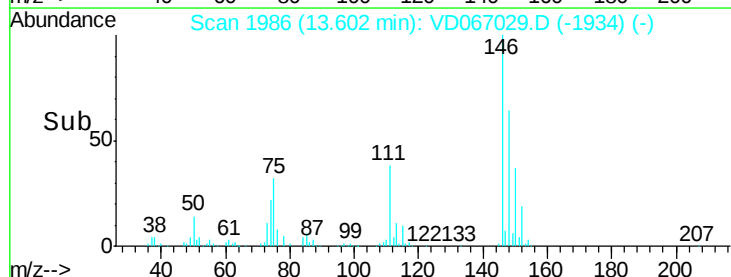
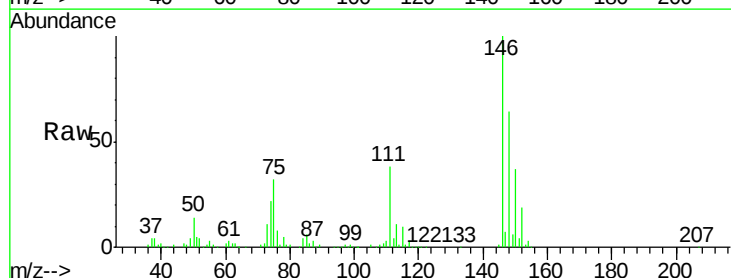
RT: 13.60 min Scan# 1986

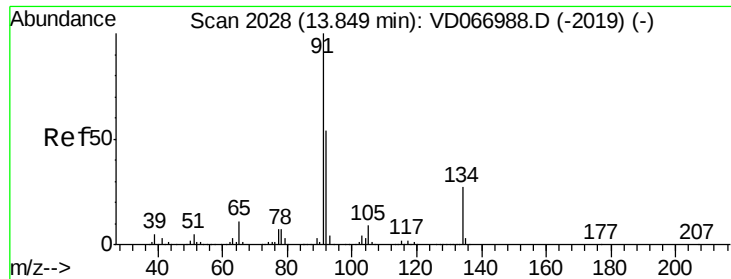
Delta R.T. 0.01 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	209369		
111	40.4	19.6	58.7	
148	64.3	32.6	97.7	





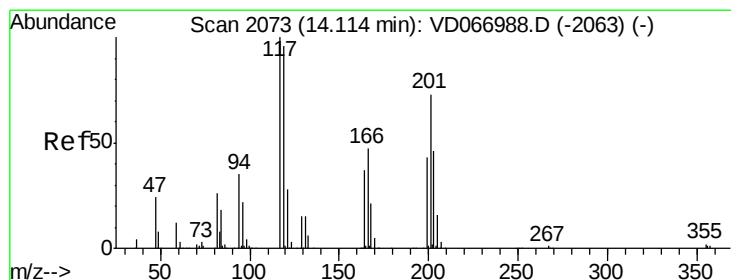
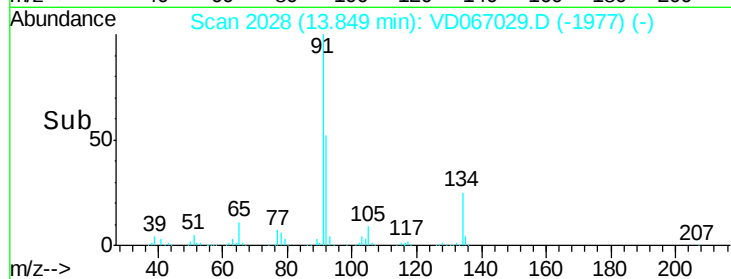
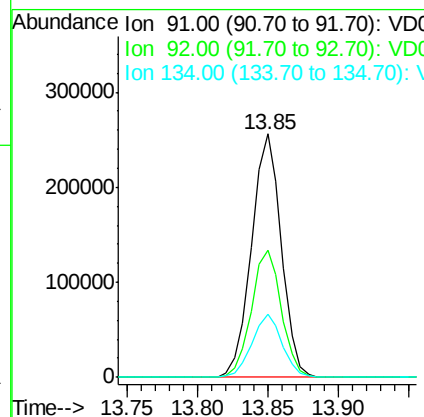
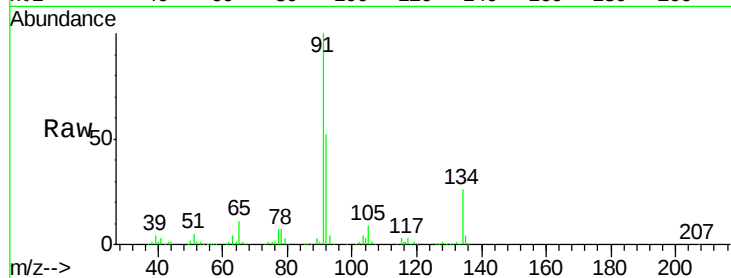
#89
n-Butylbenzene
Concen: 20.626 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.5	27.1	81.2	
134	26.2	13.6	40.8	

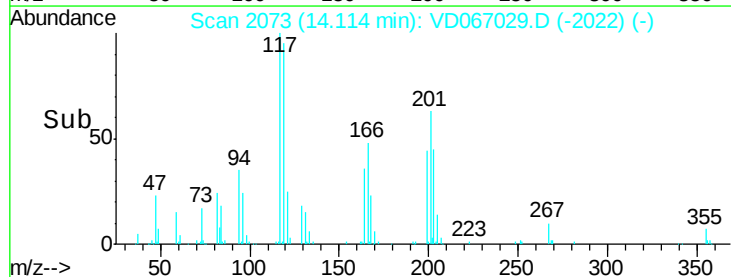
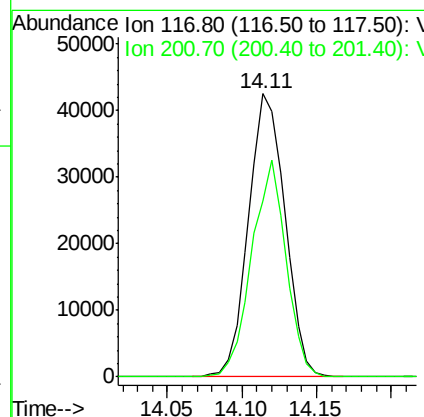
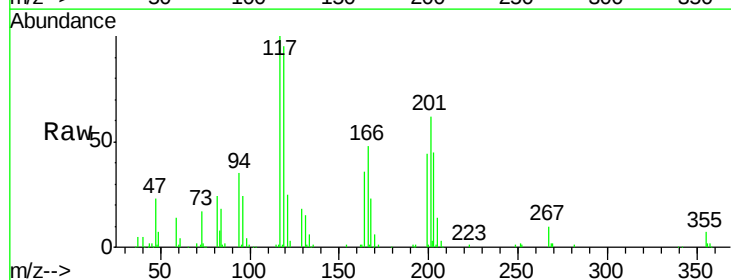
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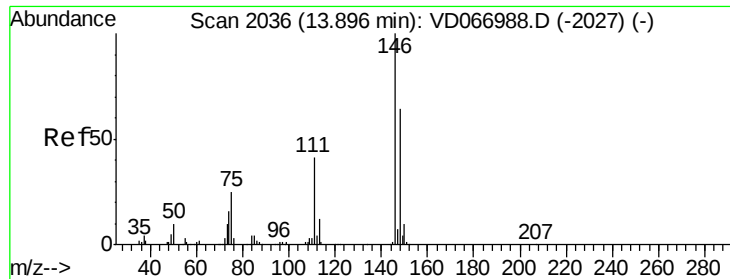
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#90
Hexachloroethane
Concen: 20.402 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067029.D
Acq: 02 Oct 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	71.7	37.0	110.9	





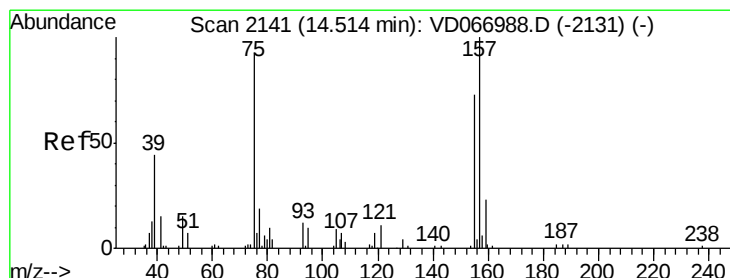
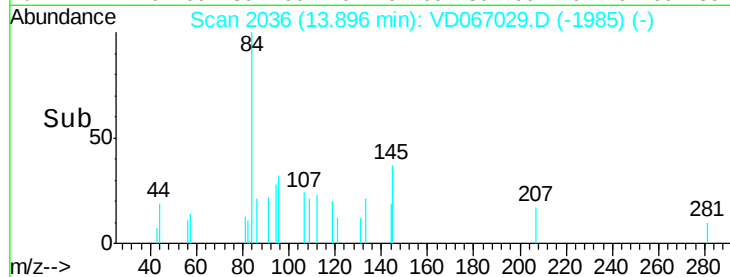
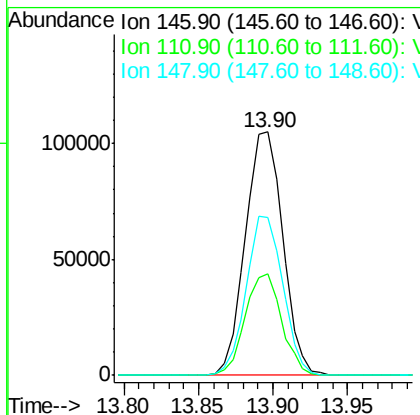
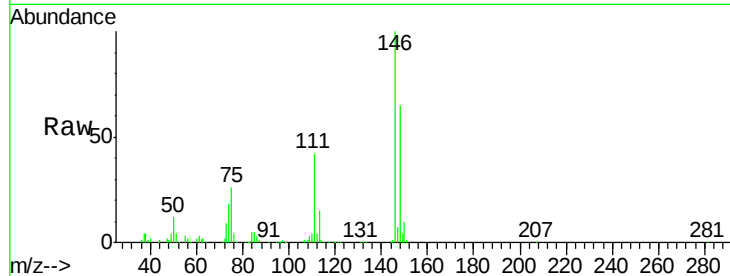
#91
 1,2-Dichlorobenzene
 Concen: 20.515 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067029.D
 Acq: 02 Oct 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	182857		
111	40.5	20.9	62.7	
148	63.7	32.3	96.9	

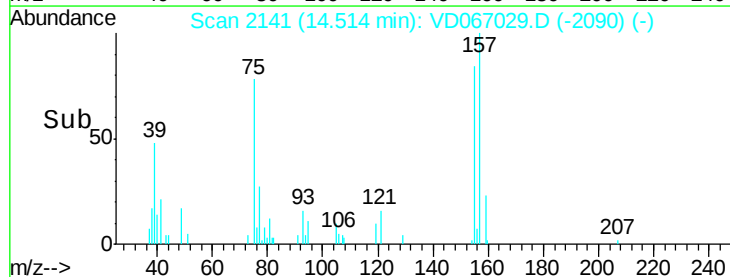
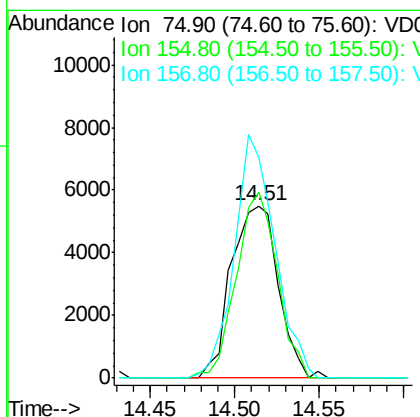
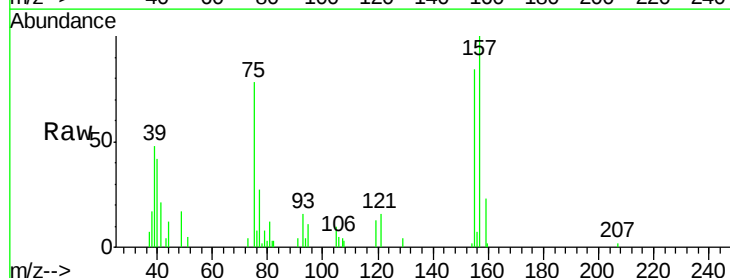
Manual Integrations
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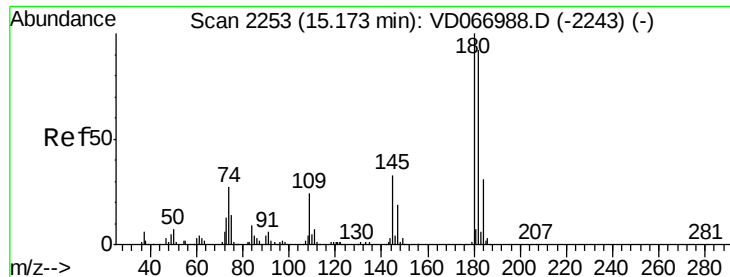
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.079 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067029.D
 Acq: 02 Oct 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10655		
155	93.9	45.2	135.6	
157	121.3	56.3	168.8	





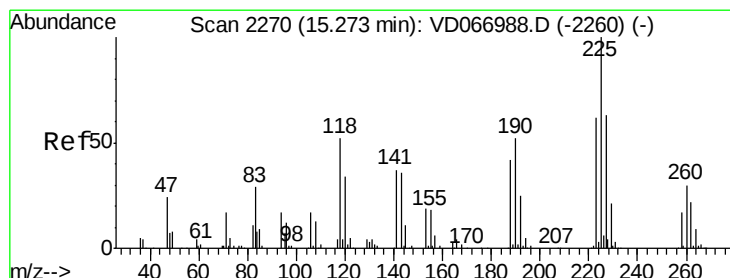
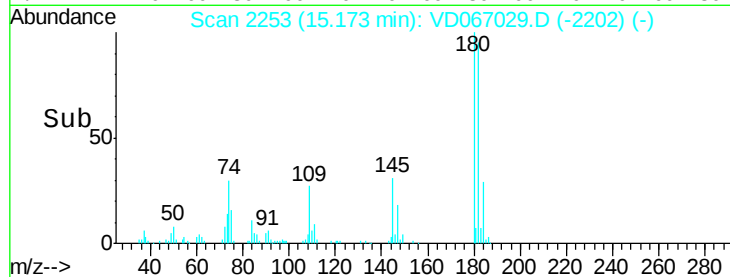
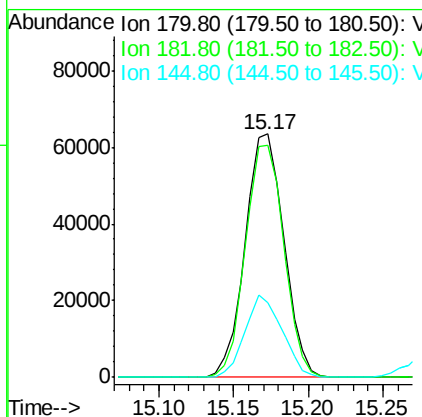
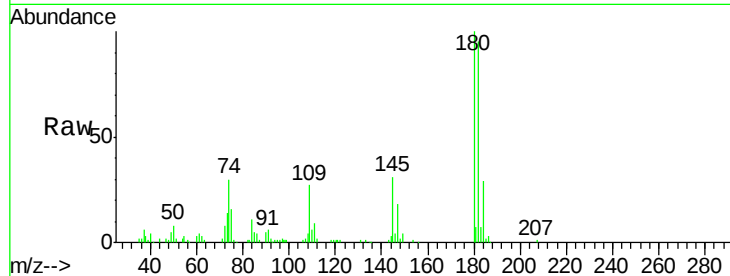
#93
 1,2,4-Trichlorobenzene
 Concen: 19.818 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067029.D
 Acq: 02 Oct 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	114258		
182	94.5	47.3	142.0	
145	32.3	16.4	49.1	

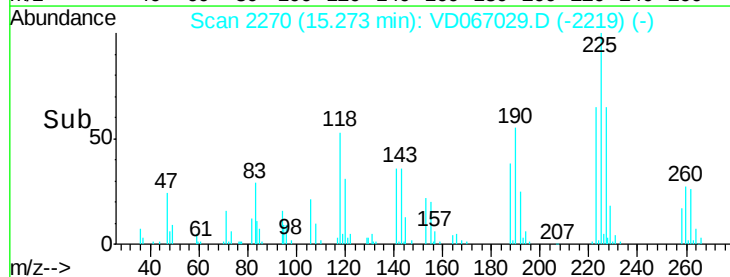
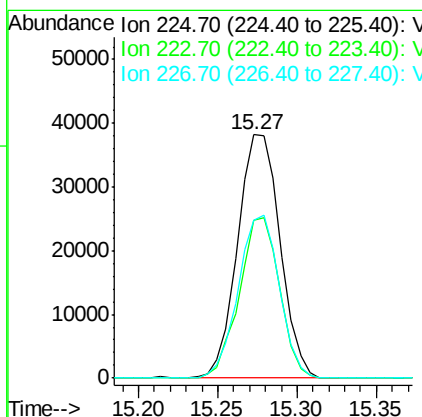
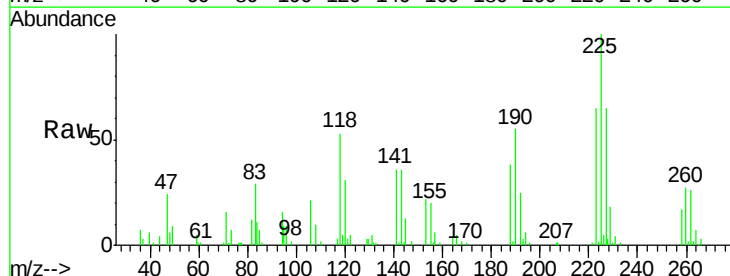
Manual Integrations
 APPROVED

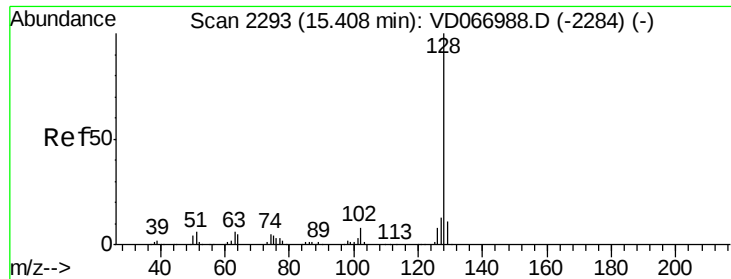
MMDadoda
 10/5/2020 5:34:25 PM



#94
 Hexachlorobutadiene
 Concen: 20.087 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067029.D
 Acq: 02 Oct 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	71123		
223	62.4	32.4	97.0	
227	64.7	31.6	95.0	





#95

Naphthalene

Concen: 18.517 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

Instrument :

MSVOA_D

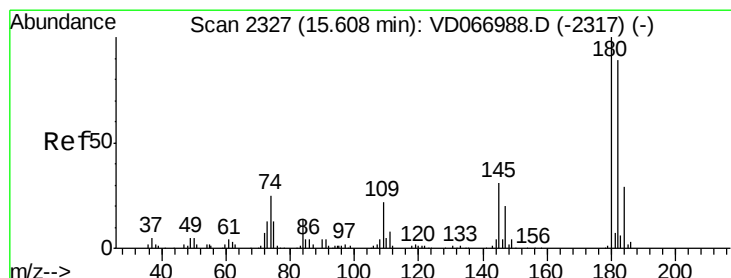
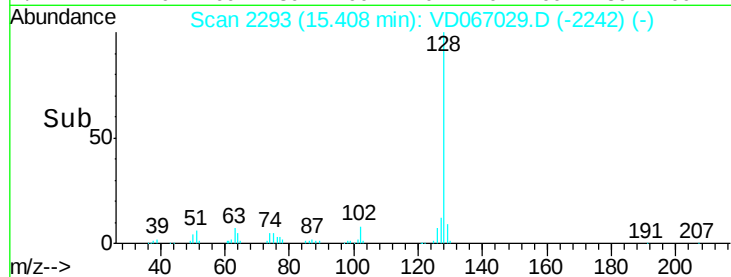
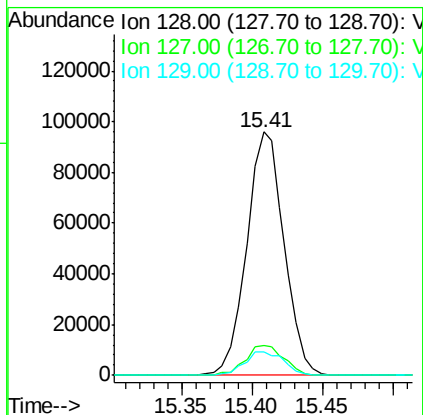
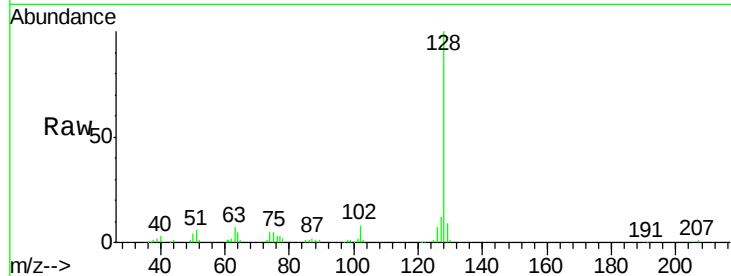
ClientSampleId :

VD1002SBS01

Tot Ion:	128	Resp:	178071
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.4	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:34:25 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.574 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD067029.D

Acq: 02 Oct 2020 12:21

Tgt Ion:	180	Resp:	97966
Ion Ratio	Lower	Upper	
180	100		
182	96.4	46.4	139.1
145	35.1	16.6	49.7

