

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067255.D
 Acq On : 13 Oct 2020 16:36
 Operator : VA/SY
 Sample : L4214-02 5PPBL00
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:10:28 PM

Quant Time: Oct 14 03:29:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:18:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	333107	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	528226	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	490844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	245671	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	166451	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
35) Dibromofluoromethane	7.92	113	170063	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
50) Toluene-d8	10.34	98	621288	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
62) 4-Bromofluorobenzene	12.64	95	213518	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	16515	5.466	ug/l	99
3) Chloromethane	2.20	50	11810	5.633	ug/l	100
4) Vinyl Chloride	2.35	62	13279	5.773	ug/l	96
5) Bromomethane	2.77	94	11526	6.482	ug/l #	79
6) Chloroethane	2.92	64	7646	5.337	ug/l #	84
7) Trichlorofluoromethane	3.28	101	29668	5.122	ug/l	92
8) Diethyl Ether	3.71	74	7680	5.795	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	15674	5.093	ug/l #	26
10) Methyl Iodide	4.31	142	13796	4.860	ug/l	98
11) Tert butyl alcohol	5.20	59	10932m	45.106	ug/l	
12) 1,1-Dichloroethene	4.07	96	14234	5.178	ug/l #	76
13) Acrolein	3.93	56	4059	23.505	ug/l	96
14) Allyl chloride	4.71	41	16687	5.300	ug/l	97
15) Acrylonitrile	5.42	53	11426	25.836	ug/l #	88
16) Acetone	4.16	43	11861	25.378	ug/l #	85
17) Carbon Disulfide	4.41	76	43531	5.554	ug/l	100
18) Methyl Acetate	4.73	43	7402	6.944	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	27855	5.096	ug/l	93
20) Methylene Chloride	4.97	84	29280	8.308	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	16756	5.296	ug/l	93
22) Diisopropyl ether	6.37	45	31226	5.429	ug/l	97
23) Vinyl Acetate	6.31	43	69925	21.371	ug/l	99
24) 1,1-Dichloroethane	6.26	63	26604	5.404	ug/l	96
25) 2-Butanone	7.22	43	13640	25.602	ug/l	99
26) 2,2-Dichloropropane	7.20	77	26092	5.142	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	17643	5.088	ug/l	89
28) Bromochloromethane	7.55	49	9548	5.686	ug/l #	99
29) Tetrahydrofuran	7.57	42	7895	26.658	ug/l	93
30) Chloroform	7.71	83	31923	5.428	ug/l #	78
31) Cyclohexane	7.98	56	24066	6.261	ug/l #	76
32) 1,1,1-Trichloroethane	7.90	97	30260	5.244	ug/l	99
36) 1,1-Dichloropropene	8.11	75	21617	4.828	ug/l	95
37) Ethyl Acetate	7.28	43	6962	5.285	ug/l #	70
38) Carbon Tetrachloride	8.10	117	29843	5.215	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	22281	4.760	ug/l	98
40) Benzene	8.35	78	62433	5.083	ug/l	96
41) Methacrylonitrile	7.54	41	4138	5.813	ug/l #	74
42) 1,2-Dichloroethane	8.43	62	19171	4.988	ug/l	96
43) Isopropyl Acetate	8.46	43	12933	4.948	ug/l	95
44) Trichloroethene	9.11	130	20903	5.315	ug/l	99
45) 1,2-Dichloropropane	9.39	63	14453	5.077	ug/l	90
46) Dibromomethane	9.48	93	8754	4.936	ug/l	94
47) Bromodichloromethane	9.66	83	24099	5.072	ug/l #	95
48) Methyl methacrylate	9.46	41	6678	5.257	ug/l	87
49) 1,4-Dioxane	9.46	88	1964	105.211	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	29218	22.412	ug/l	100
52) Toluene	10.41	92	42644	5.098	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	20288	4.860	ug/l	89
54) cis-1,3-Dichloropropene	10.09	75	23328	4.775	ug/l	91
55) 1,1,2-Trichloroethane	10.80	97	12720	5.260	ug/l	90
56) Ethyl methacrylate	10.66	69	11694	4.662	ug/l #	93
57) 1,3-Dichloropropane	10.95	76	18464	4.797	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	29554	22.969	ug/l	95
59) 2-Hexanone	10.99	43	20570	23.091	ug/l	100
60) Dibromochloromethane	11.14	129	18076	5.125	ug/l	96
61) 1,2-Dibromoethane	11.26	107	11563	4.850	ug/l	97
64) Tetrachloroethene	10.88	164	19296	5.426	ug/l	98
65) Chlorobenzene	11.67	112	48189	5.120	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.74	131	19252	5.146	ug/l	96
67) Ethyl Benzene	11.75	91	76700	4.754	ug/l	97
68) m/p-Xylenes	11.86	106	60816	9.788	ug/l	99
69) o-Xylene	12.19	106	28134	4.890	ug/l	92
70) Styrene	12.20	104	44670	4.510	ug/l	95
71) Bromoform	12.37	173	10208	5.079	ug/l #	98
73) Isopropylbenzene	12.48	105	72715	4.664	ug/l	100
74) N-amyl acetate	12.30	43	10492	4.455	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.74	83	12596	5.272	ug/l	93
76) 1,2,3-Trichloropropane	12.79	75	9381m	5.509	ug/l	
77) Bromobenzene	12.77	156	20435	5.257	ug/l	96
78) n-propylbenzene	12.83	91	89050	4.929	ug/l	100
79) 2-Chlorotoluene	12.91	91	50324	4.804	ug/l	94
80) 1,3,5-Trimethylbenzene	12.97	105	66915	4.939	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	3289m	4.380	ug/l	
82) 4-Chlorotoluene	13.01	91	54955	4.942	ug/l	98
83) tert-Butylbenzene	13.23	119	55778	4.873	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	64139	4.789	ug/l	99
85) sec-Butylbenzene	13.41	105	75553	4.811	ug/l	99
86) p-Isopropyltoluene	13.53	119	68441	4.617	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	39001	5.213	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	39433	5.320	ug/l	92
89) n-Butylbenzene	13.85	91	64070	4.913	ug/l	97
90) Hexachloroethane	14.12	117	13450	5.200	ug/l	83
91) 1,2-Dichlorobenzene	13.90	146	32476	4.969	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	2449	5.643	ug/l	80

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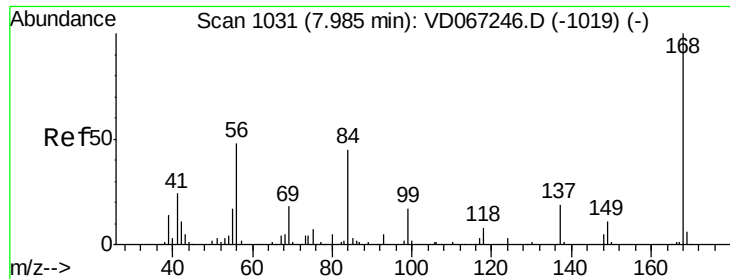
Manual Integrations
APPROVED

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10/14/2020 2:10:28 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	21791	4.945	ug/l	94
94) Hexachlorobutadiene	15.28	225	13812	5.047	ug/l	98
95) Naphthalene	15.41	128	32064	4.432	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	18468	4.851	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1016

Tot Ion:168 Resp: 333107

Ion Ratio Lower Upper

168 100

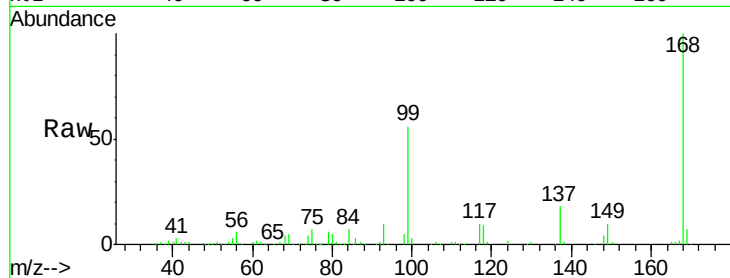
99 55.4 45.9 68.9

Manual Integrations

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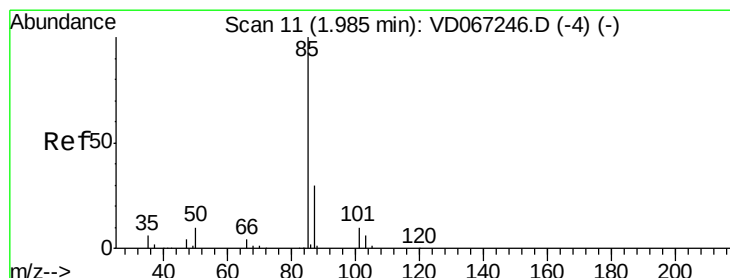
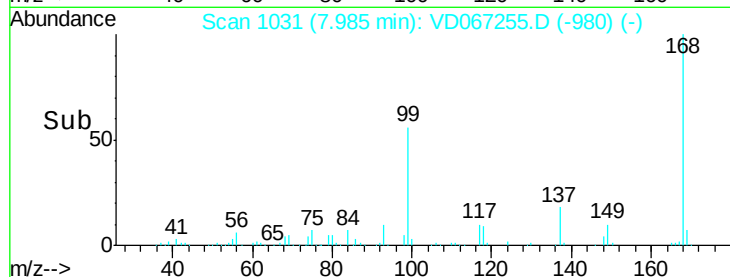
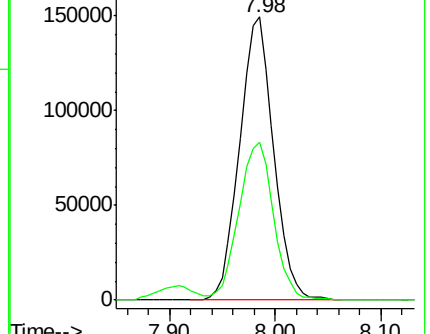
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 5.466 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067255.D

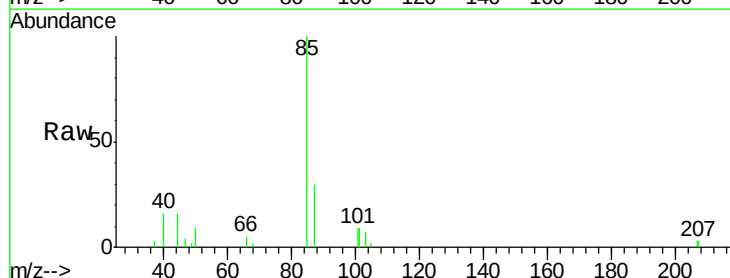
Acq: 13 Oct 2020 16:36

Tgt Ion: 85 Resp: 16515

Ion Ratio Lower Upper

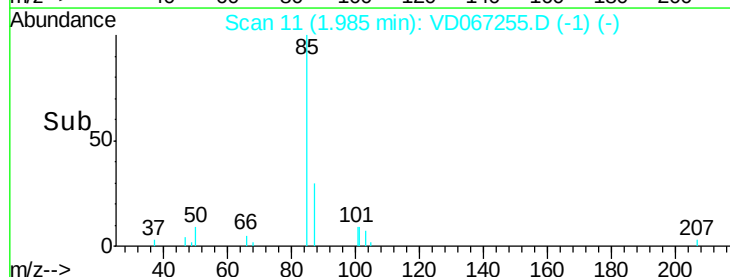
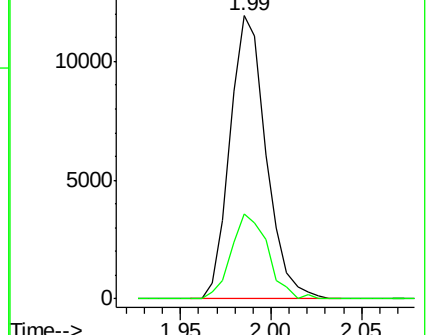
85 100

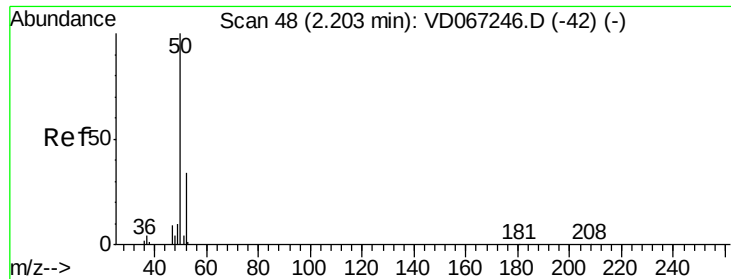
87 29.9 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 5.633 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1016

Tot Ion: 50 Resp: 11810

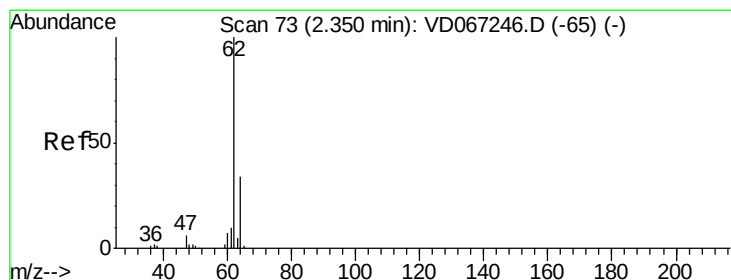
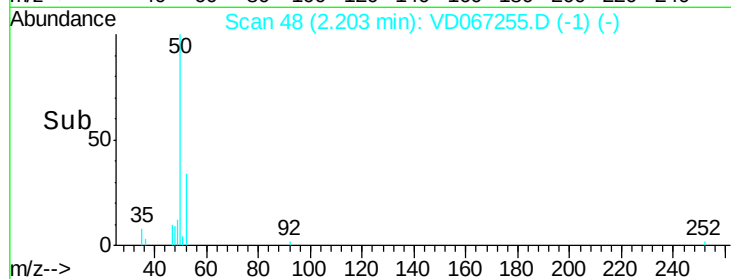
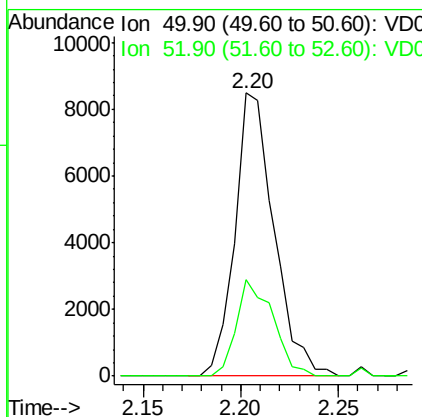
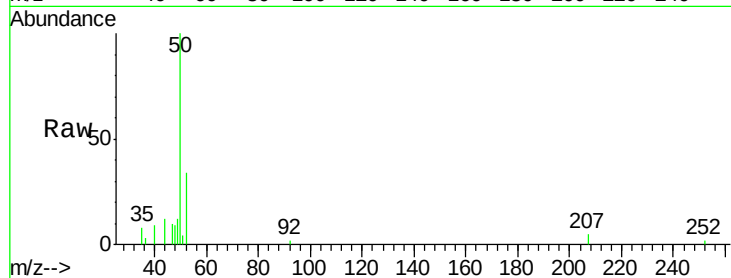
Ion Ratio Lower Upper

50 100

52 34.1 27.1 40.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 5.773 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067255.D

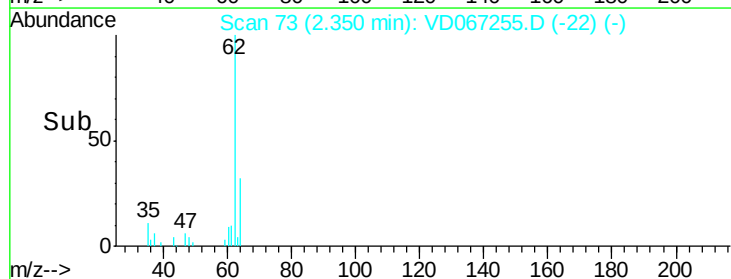
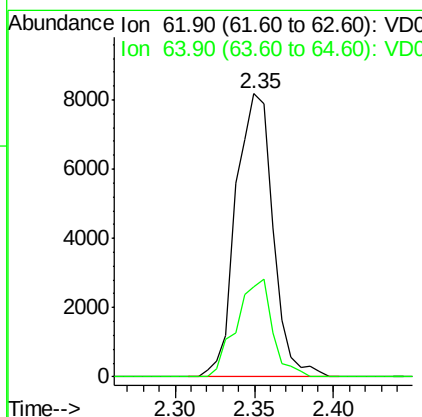
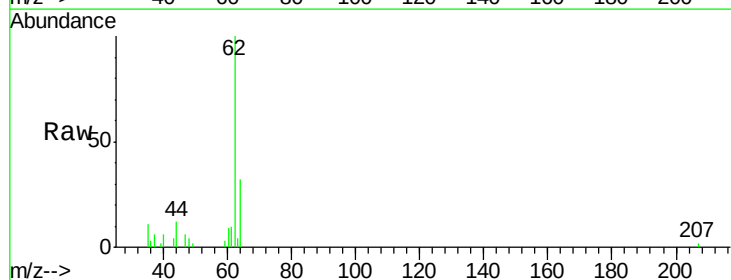
Acq: 13 Oct 2020 16:36

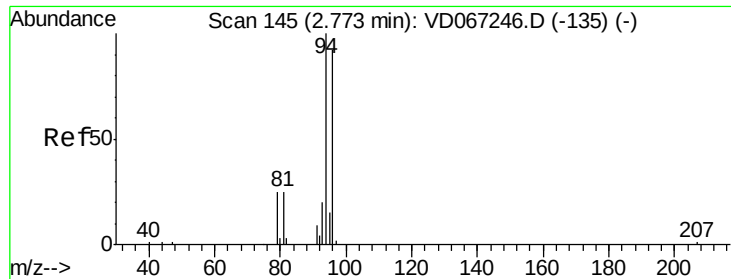
Tgt Ion: 62 Resp: 13279

Ion Ratio Lower Upper

62 100

64 31.9 27.4 41.0





#5

Bromomethane

Concen: 6.482 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1016

Tot Ion: 94 Resp: 11526

Ion Ratio Lower Upper

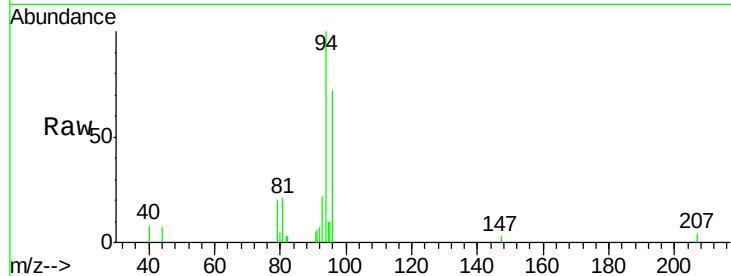
94 100

96 71.7 73.8 110.6#

Manual Integrations
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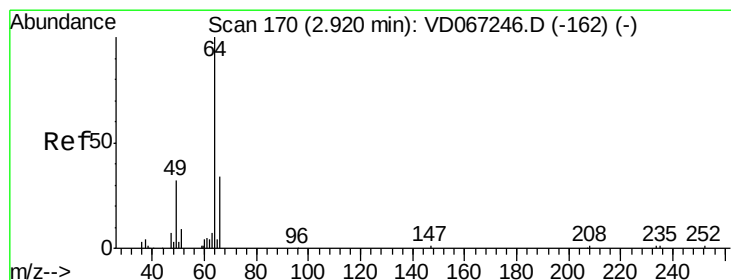
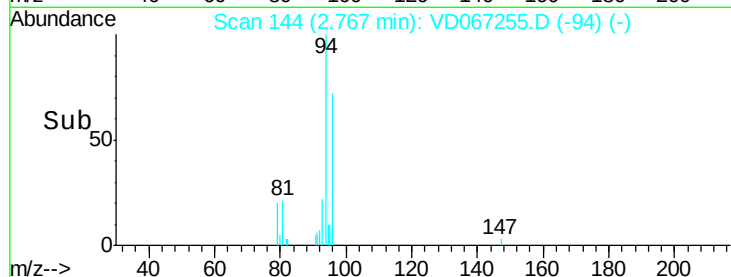
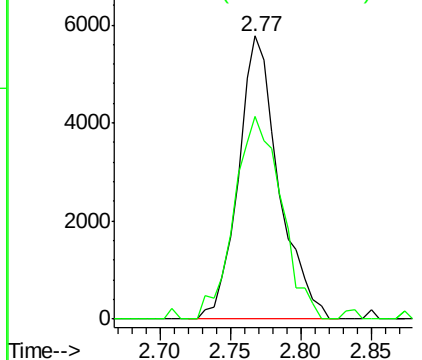
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 5.337 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067255.D

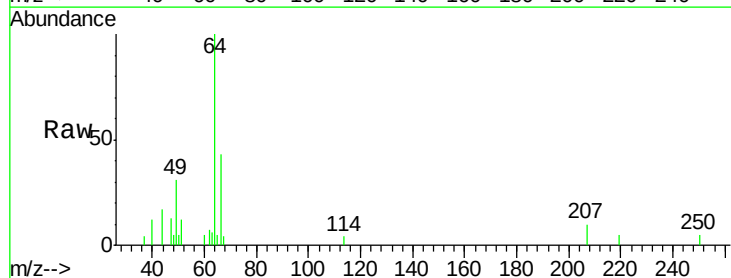
Acq: 13 Oct 2020 16:36

Tgt Ion: 64 Resp: 7646

Ion Ratio Lower Upper

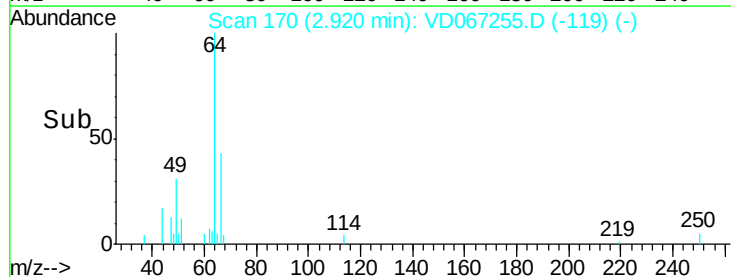
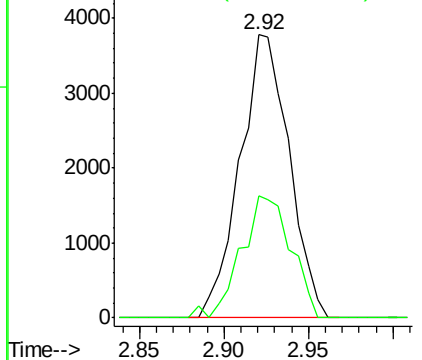
64 100

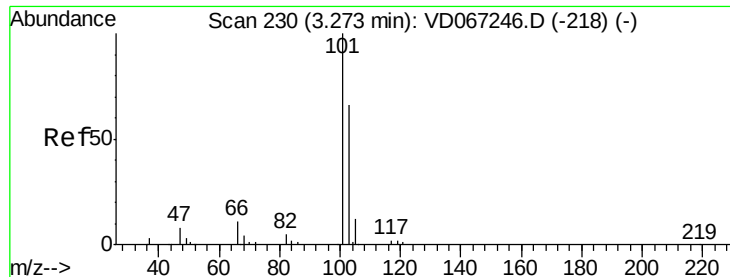
66 43.3 27.4 41.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

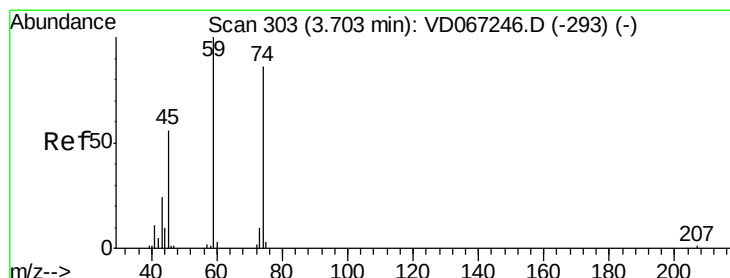
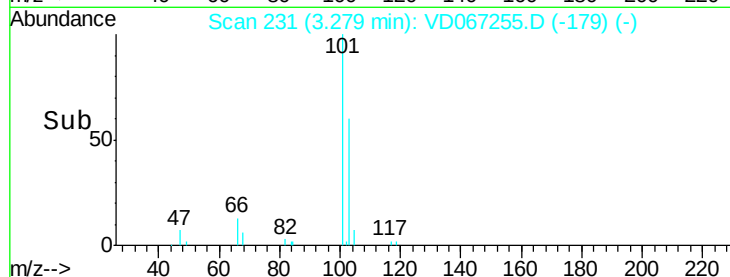
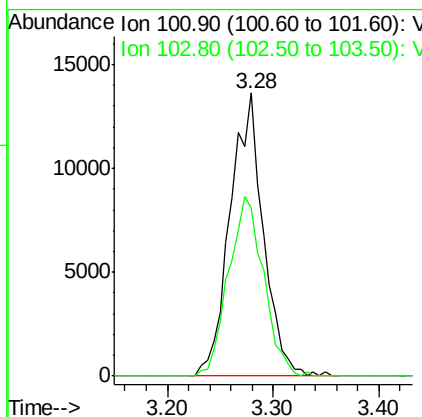
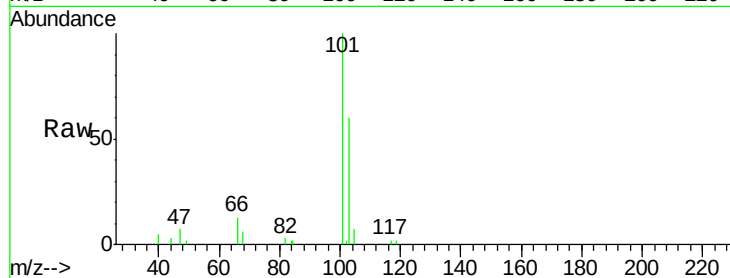
Trichlorofluoromethane
Concen: 5.122 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.01 min
Lab File: VD067255.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	29668		
103	59.6		53.1	79.7

Manual Integrations
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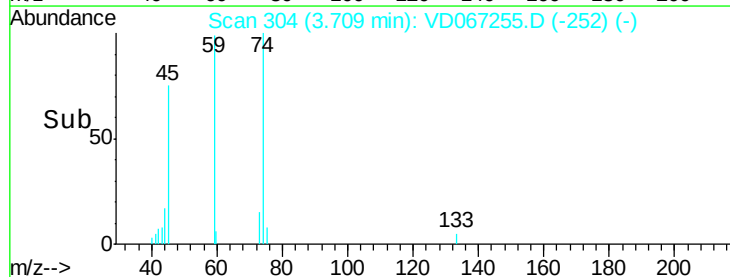
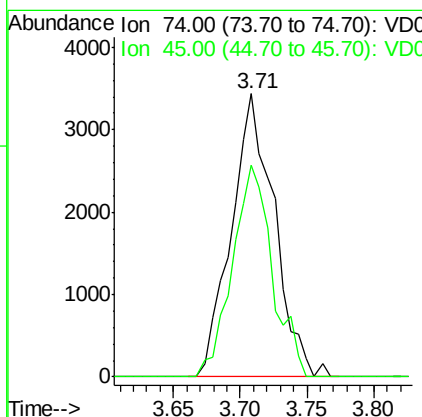
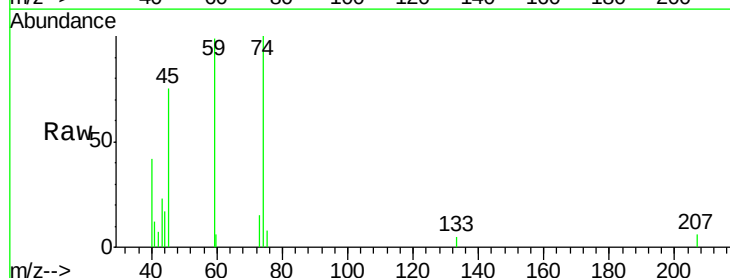
MMDadoda
10/14/2020 2:10:28 PM

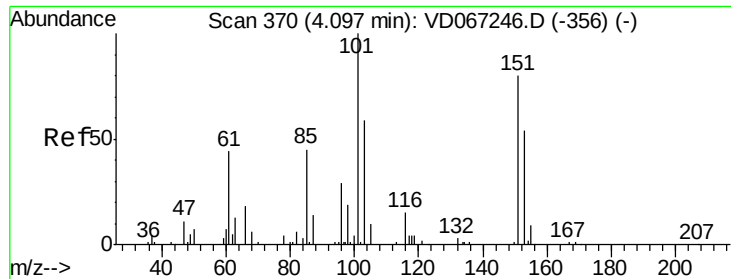


#8

Diethyl Ether
Concen: 5.795 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD067255.D
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	7680		
45	69.1		37.0	111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.093 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

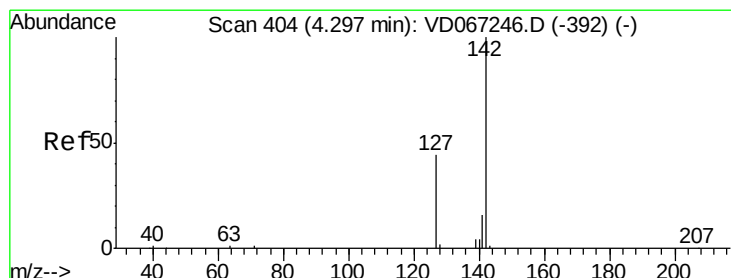
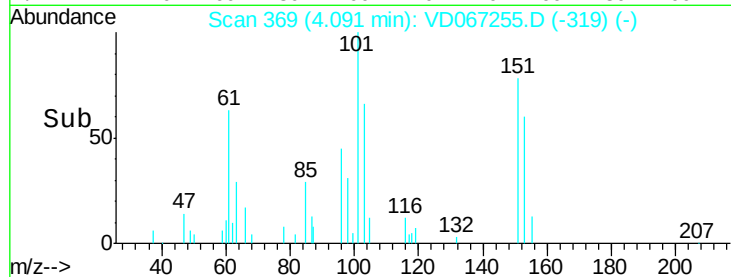
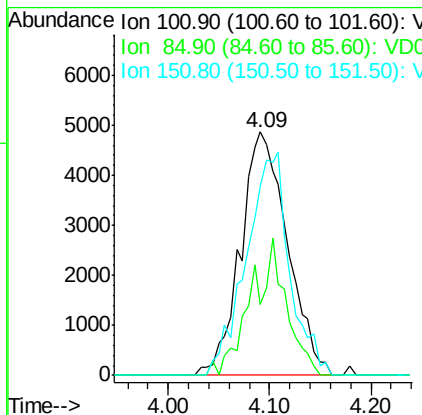
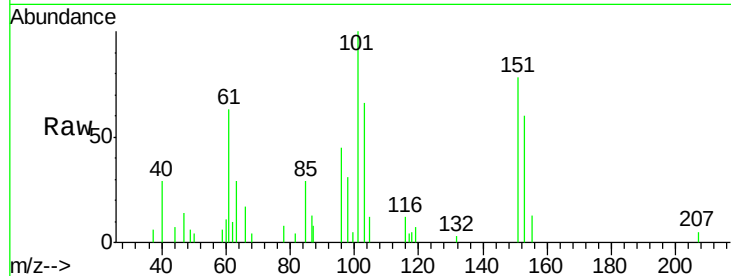
ClientSampleId :

VD1016

Tot Ion:	101	Resp:	15674
Ion Ratio	Lower	Upper	
101	100		
85	17.9	34.2	51.4#
151	0.0	66.3	99.5#

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#10

Methyl Iodide

Concen: 4.860 ug/l

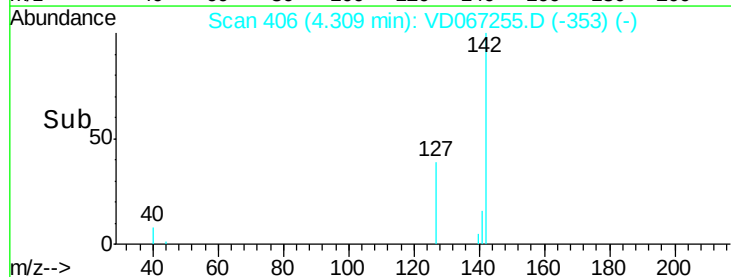
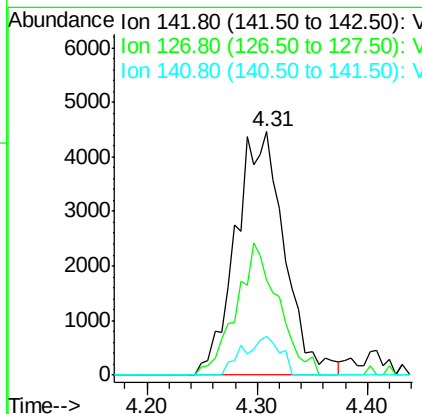
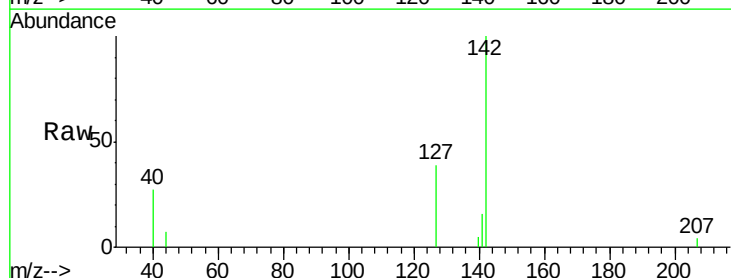
RT: 4.31 min Scan# 406

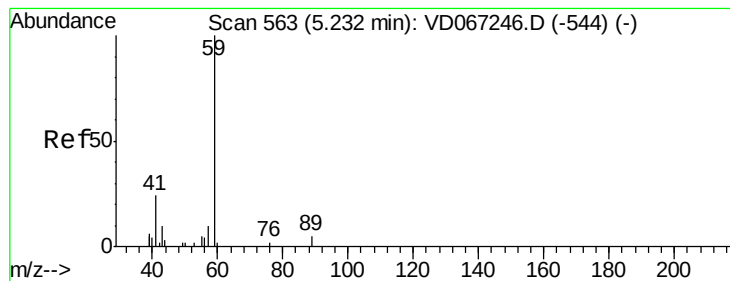
Delta R.T. 0.01 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Tgt Ion:	142	Resp:	13796
Ion Ratio	Lower	Upper	
142	100		
127	47.0	38.4	57.6
141	12.2	11.6	17.4





#11

Tert butyl alcohol

Concen: 45.106 ug/l m

RT: 5.20 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1016

Tot Ion: 59 Resp: 10932

Ion Ratio Lower Upper

59 100

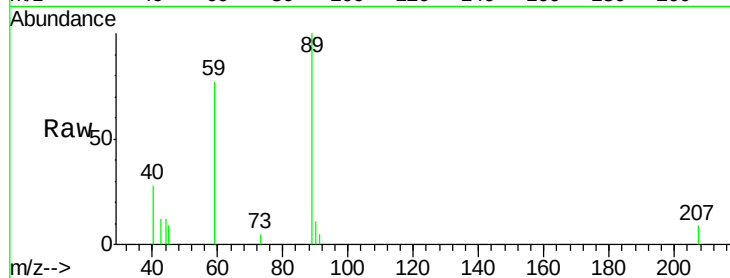
57 0.0 5.1 7.7#

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Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

3000

2500

2000

1500

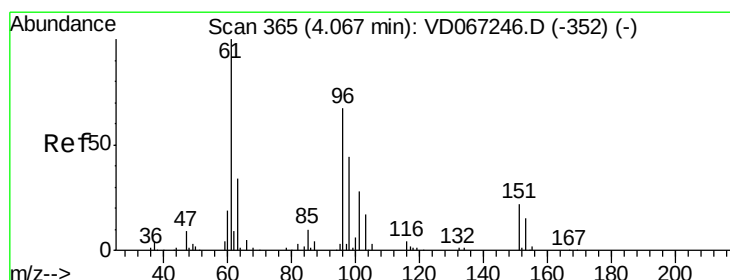
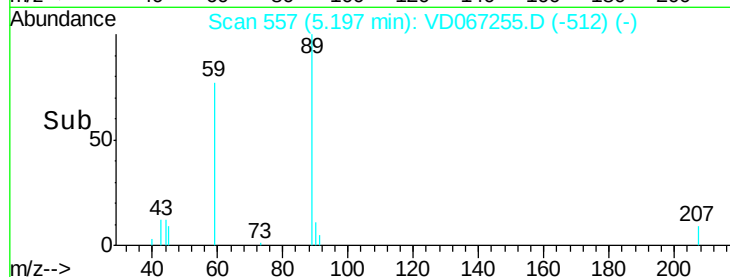
1000

500

0

Time-->

5.10 5.20 5.30



#12

1,1-Dichloroethene

Concen: 5.178 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

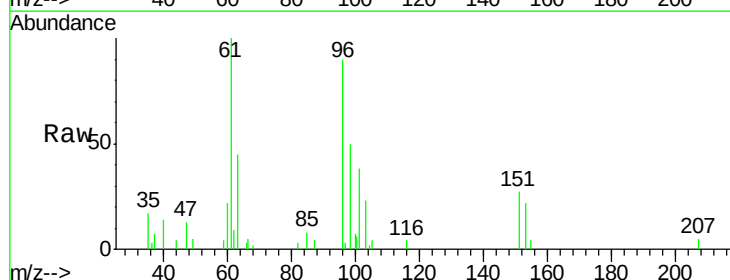
Tgt Ion: 96 Resp: 14234

Ion Ratio Lower Upper

96 100

61 111.1 118.6 177.8#

98 55.0 51.8 77.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

8000

6000

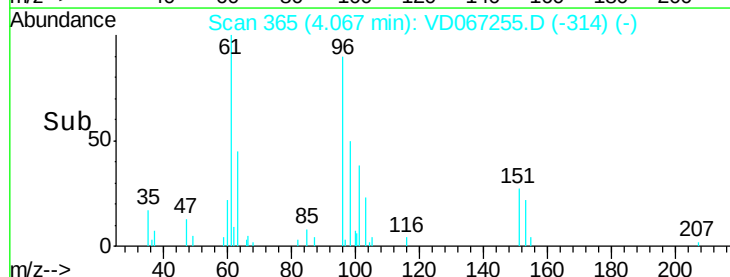
4000

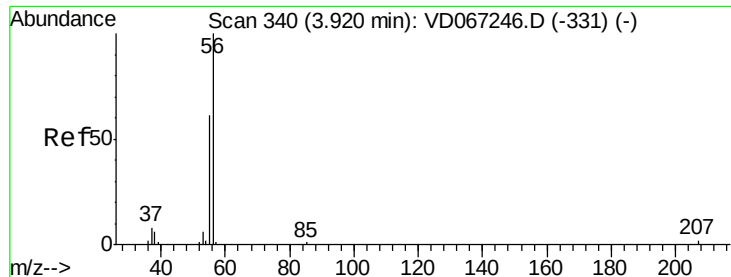
2000

0

Time-->

4.00 4.05 4.10 4.15





#13

Acrolein

Concen: 23.505 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1016

Tot Ion: 56 Resp: 4059

Ion Ratio Lower Upper

56 100

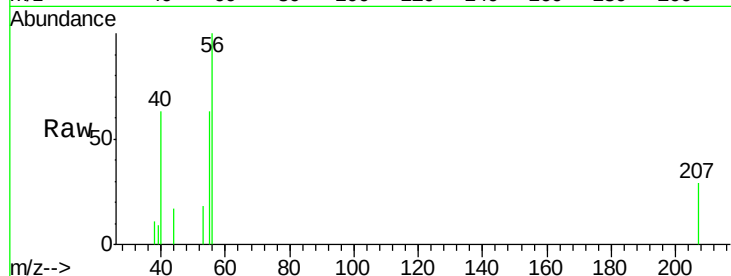
55 66.3 56.0 84.0

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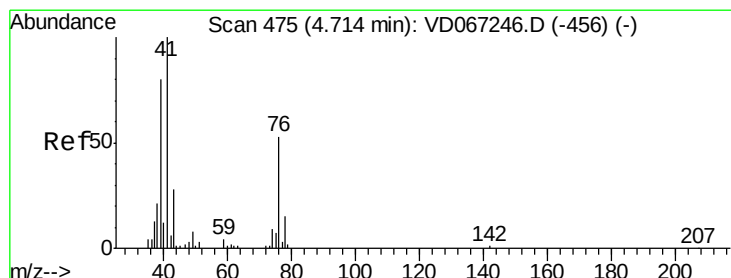
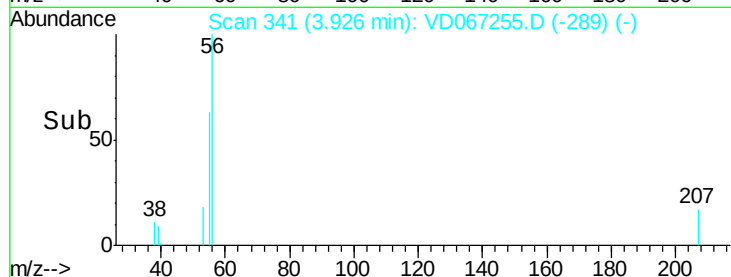
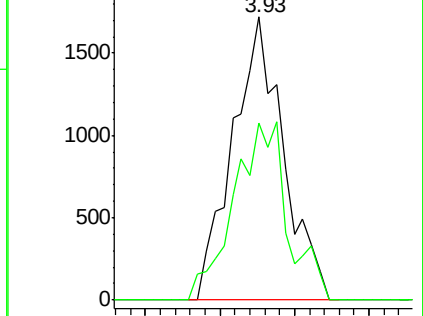
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 5.300 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

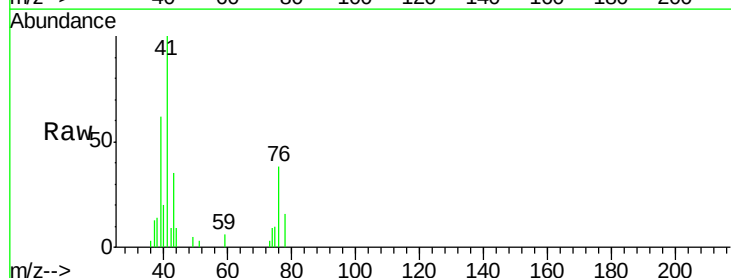
Tgt Ion: 41 Resp: 16687

Ion Ratio Lower Upper

41 100

39 76.7 63.8 95.6

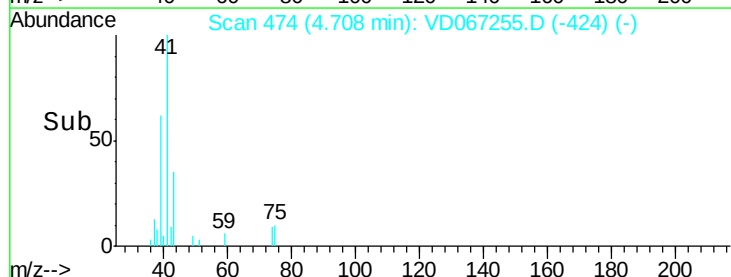
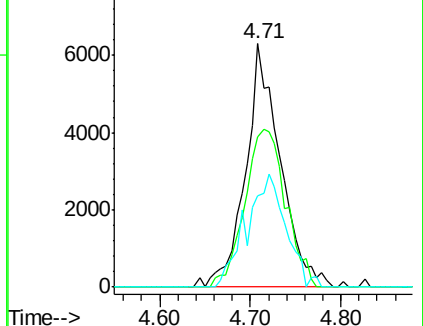
76 52.8 40.4 60.6

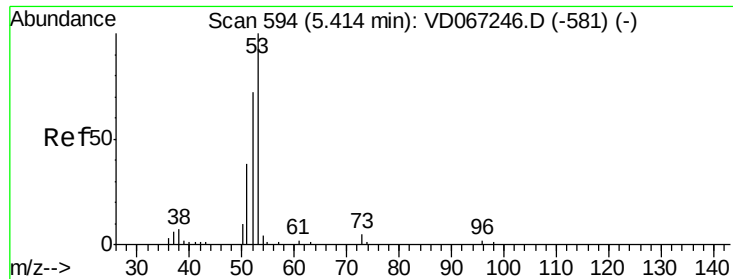


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 25.836 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.01 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

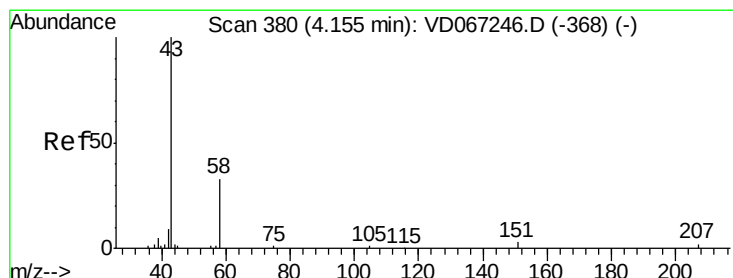
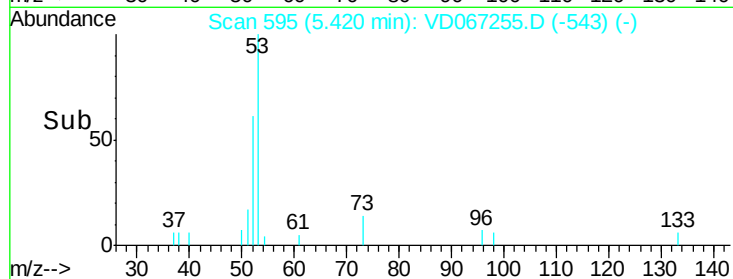
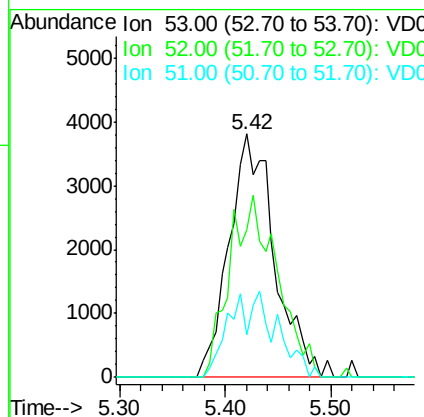
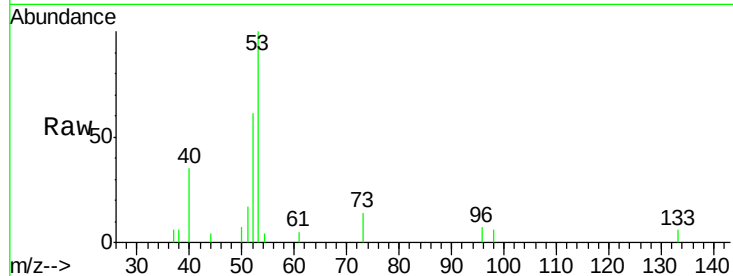
ClientSampleId :

VD1016

Tot Ion:	53	Resp:	11426
Ion	Ratio	Lower	Upper
53	100		
52	78.0	65.6	98.4
51	20.5	30.8	46.2#

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#16

Acetone

Concen: 25.378 ug/l

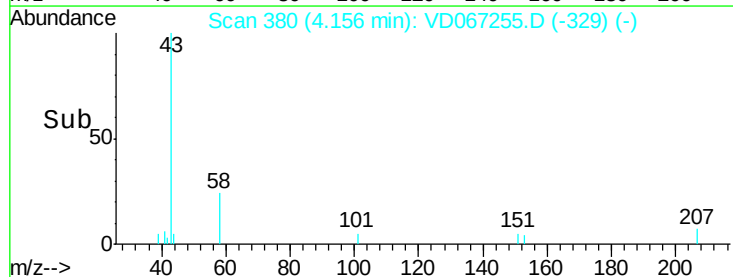
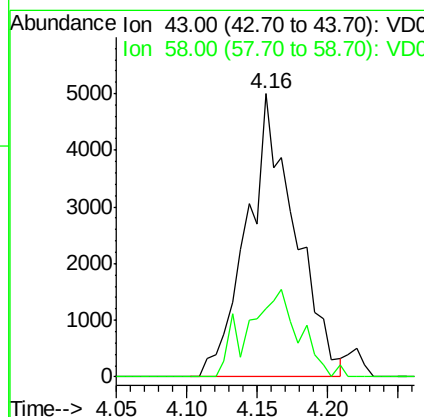
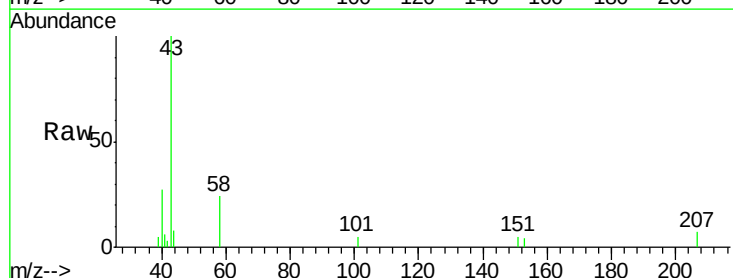
RT: 4.16 min Scan# 380

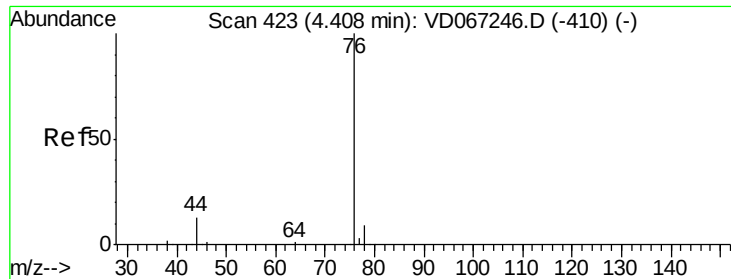
Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Tgt Ion:	43	Resp:	11861
Ion	Ratio	Lower	Upper
43	100		
58	24.0	26.1	39.1#





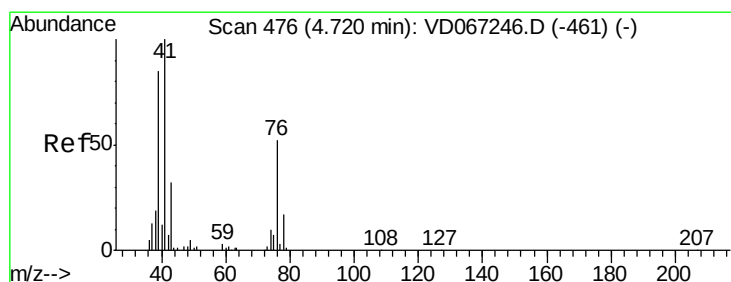
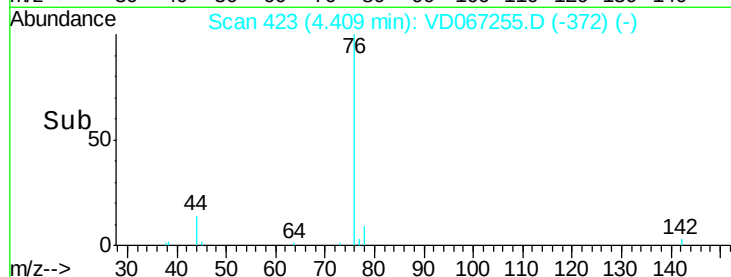
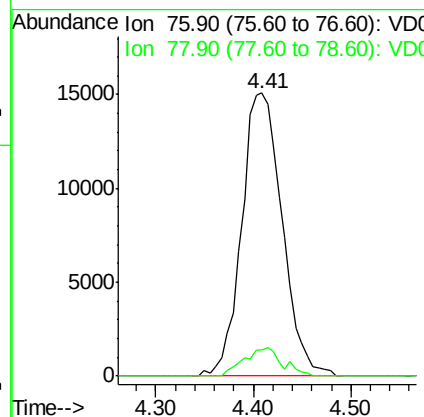
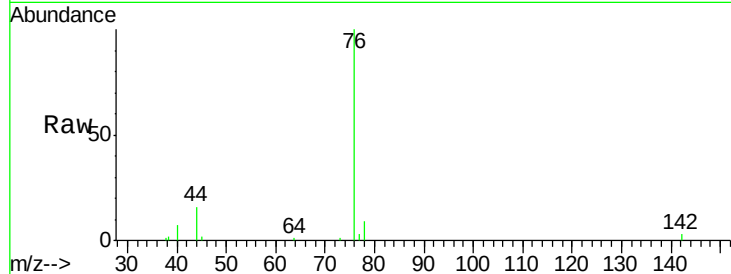
#17
Carbon Disulfide
Concen: 5.554 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1016

Tot Ion: 76 Resp: 43531
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0

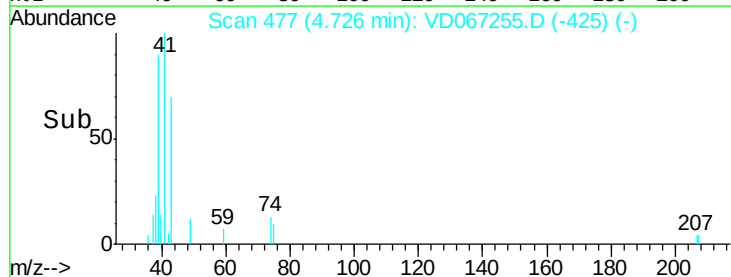
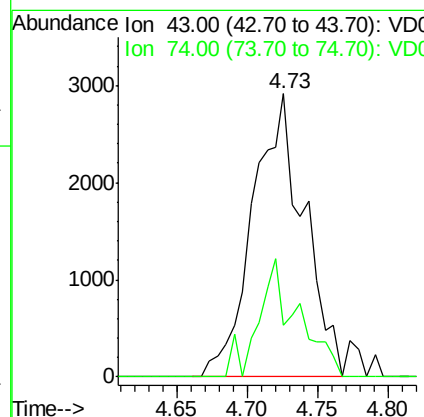
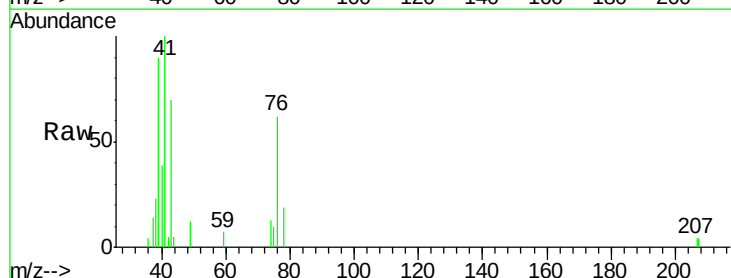
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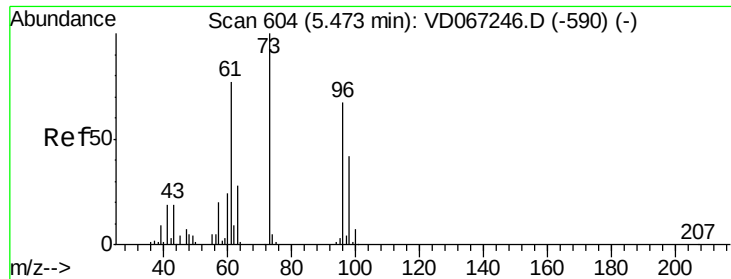
MMDadoda
10/14/2020 2:10:28 PM



#18
Methyl Acetate
Concen: 6.944 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion: 43 Resp: 7402
Ion Ratio Lower Upper
43 100
74 32.4 26.6 39.8





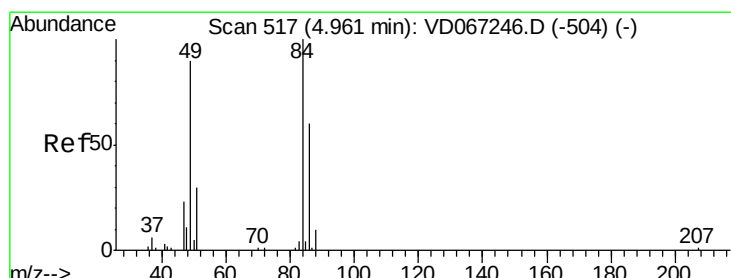
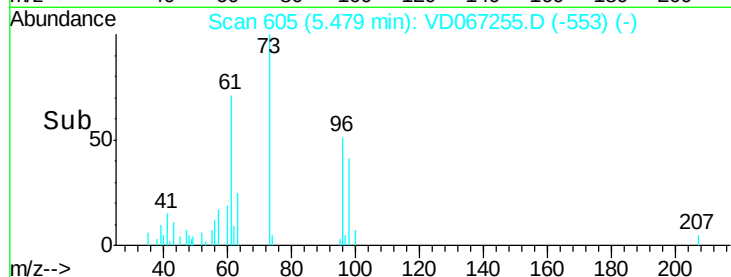
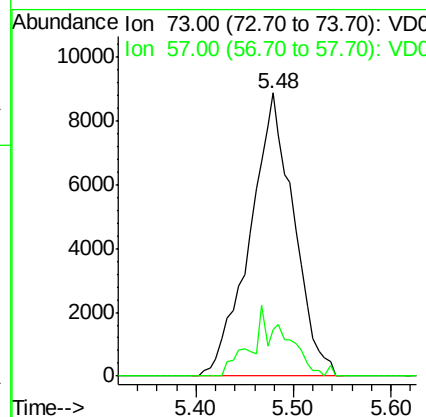
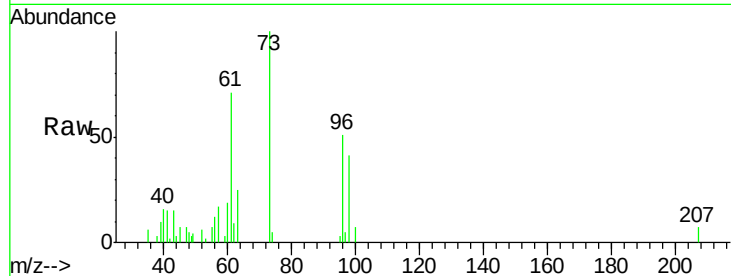
#19
Methyl tert-butyl Ether
Concen: 5.096 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Instrument :
MSVOA_D
ClientSampled :
VD1016

Tot Ion: 73 Resp: 27855
Ion Ratio Lower Upper
73 100
57 16.5 15.7 23.5

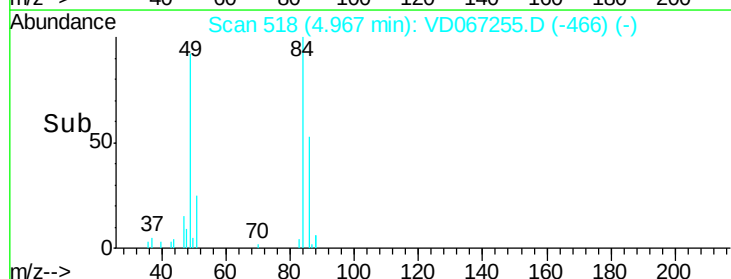
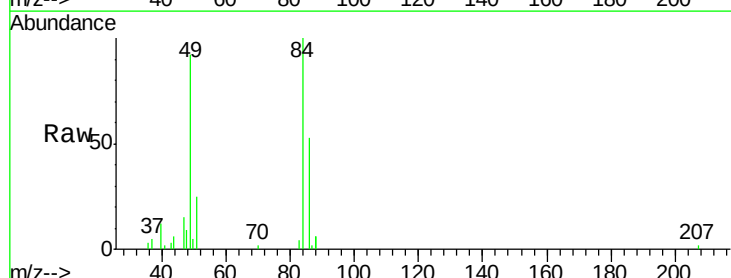
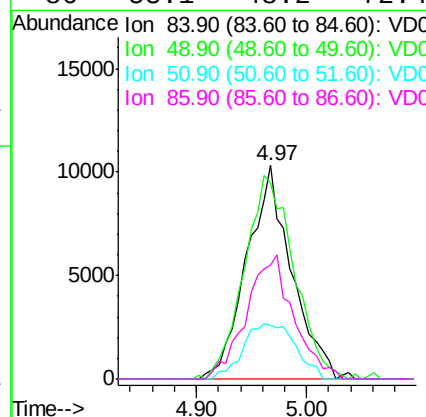
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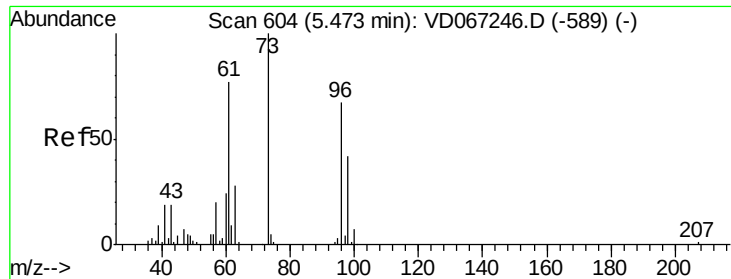
MMDadoda
10/14/2020 2:10:28 PM



#20
Methylene Chloride
Concen: 8.308 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion: 84 Resp: 29280
Ion Ratio Lower Upper
84 100
49 91.7 72.2 108.2
51 25.4 23.8 35.8
86 53.1 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 5.296 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

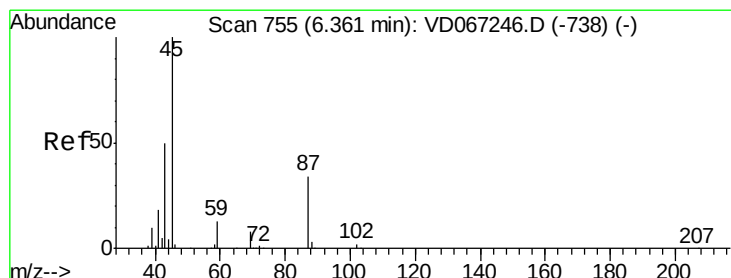
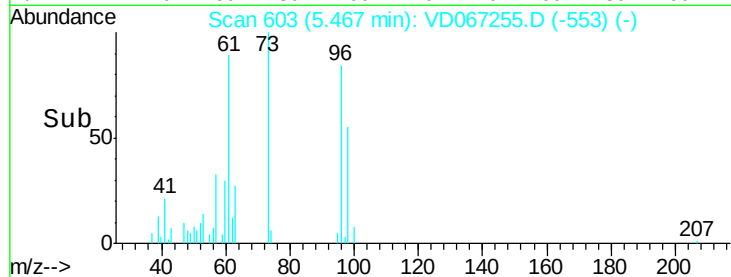
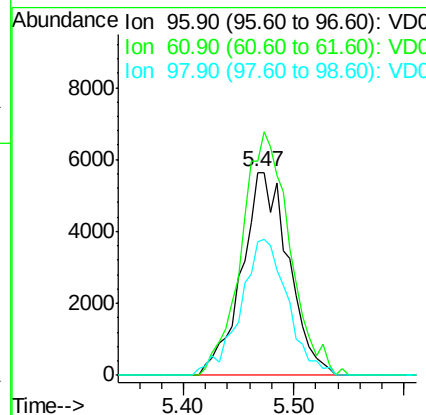
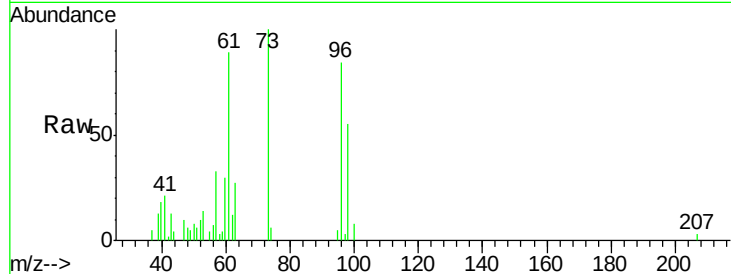
ClientSampleId :

VD1016

Tot Ion:	96	Resp:	16756
Ion	Ratio	Lower	Upper
96	100		
61	105.7	92.0	138.0
98	65.8	49.8	74.8

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#22

Diisopropyl ether

Concen: 5.429 ug/l

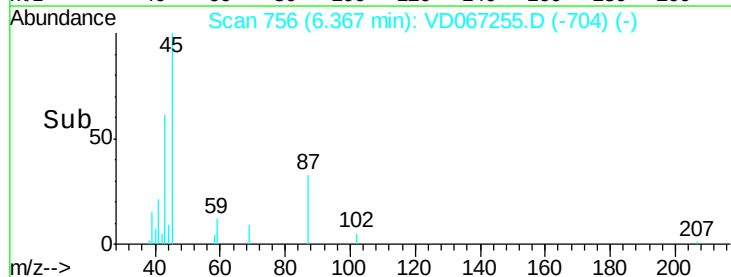
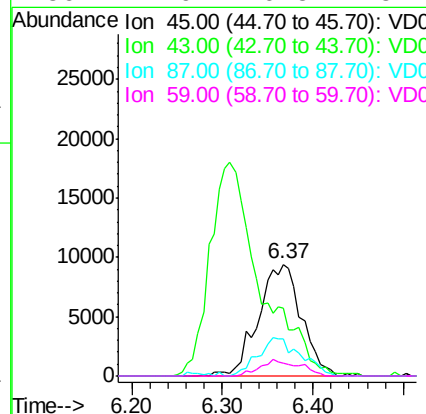
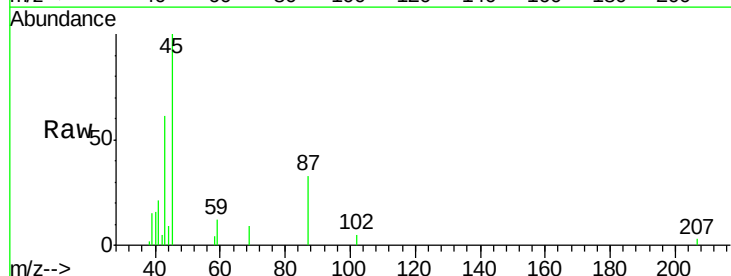
RT: 6.37 min Scan# 756

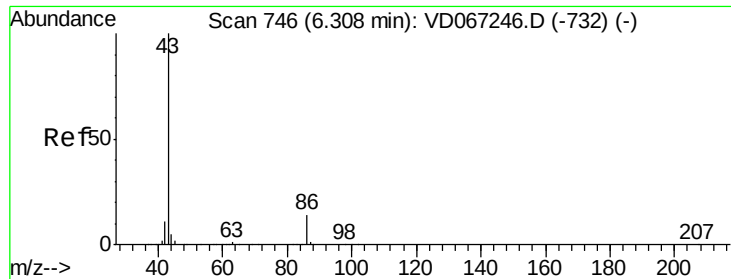
Delta R.T. 0.01 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Tgt Ion:	45	Resp:	31226
Ion	Ratio	Lower	Upper
45	100		
43	57.9	48.0	72.0
87	33.3	28.5	42.7
59	11.9	10.5	15.7





#23

Vinyl Acetate

Concen: 21.371 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1016

Tot Ion: 43 Resp: 69925

Ion Ratio Lower Upper

43 100

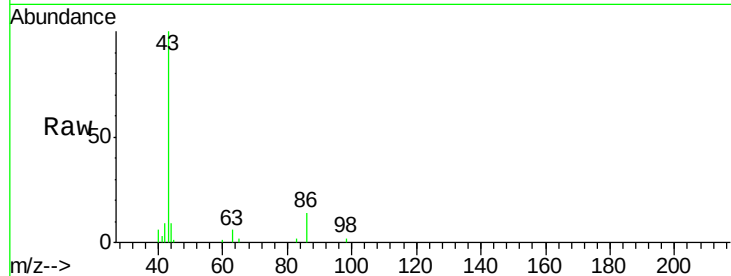
86 14.3 11.0 16.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

20000

15000

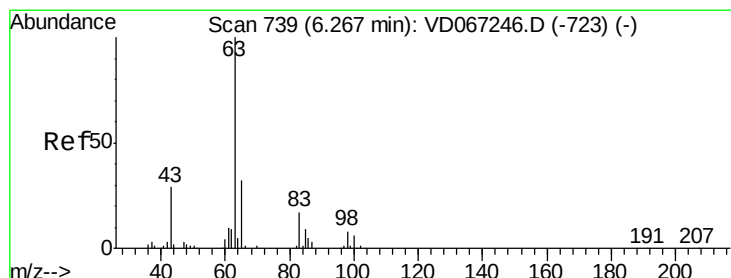
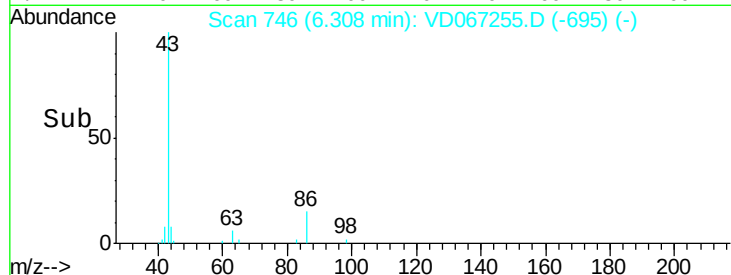
10000

5000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 5.404 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

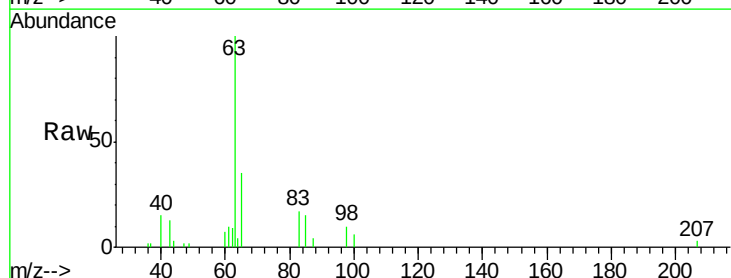
Tgt Ion: 63 Resp: 26604

Ion Ratio Lower Upper

63 100

98 10.5 4.0 12.2

100 5.8 2.8 8.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

10000

8000

6000

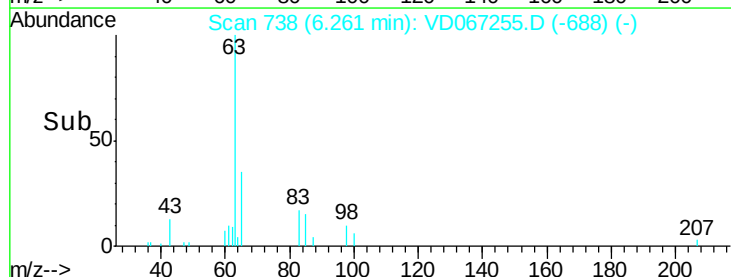
4000

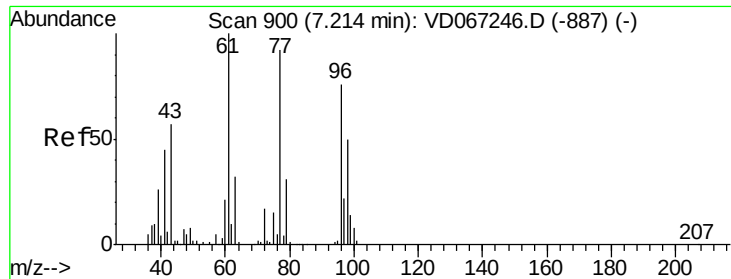
2000

0

6.20 6.30

Time-->





#25

2-Butanone

Concen: 25.602 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampled :

VD1016

Tot Ion: 43 Resp: 13640

Ion Ratio Lower Upper

43 100

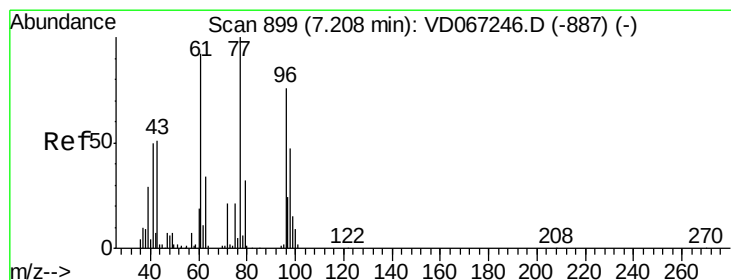
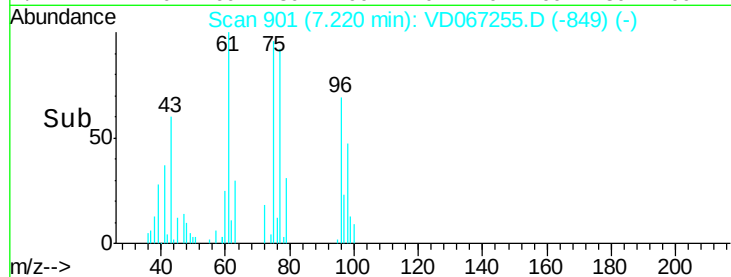
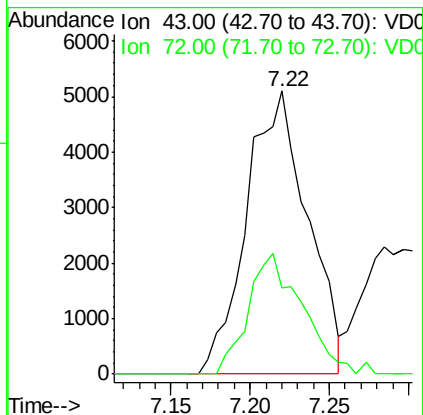
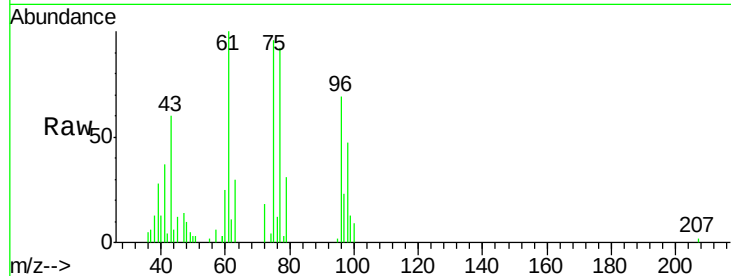
72 30.4 23.7 35.5

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 5.142 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD067255.D

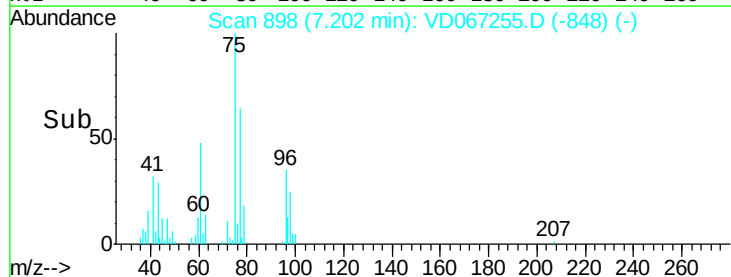
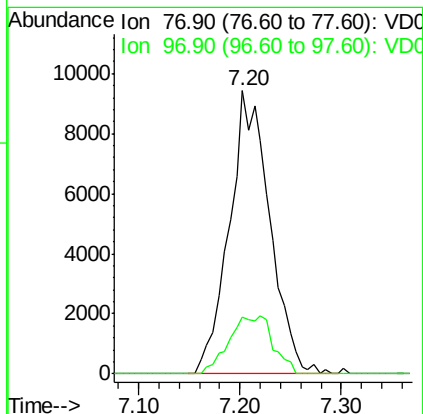
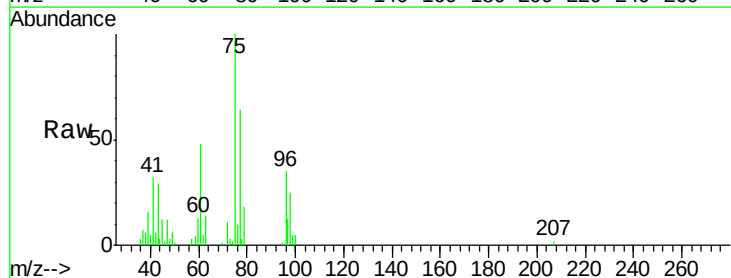
Acq: 13 Oct 2020 16:36

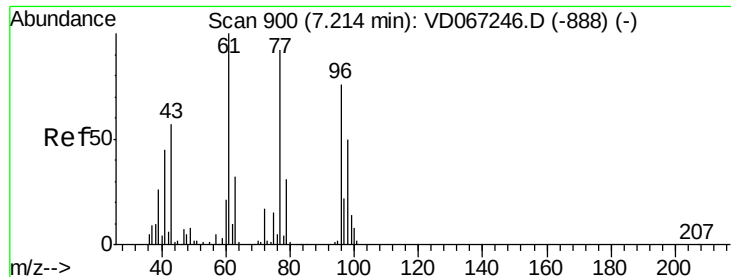
Tgt Ion: 77 Resp: 26092

Ion Ratio Lower Upper

77 100

97 22.2 11.4 34.2





#27

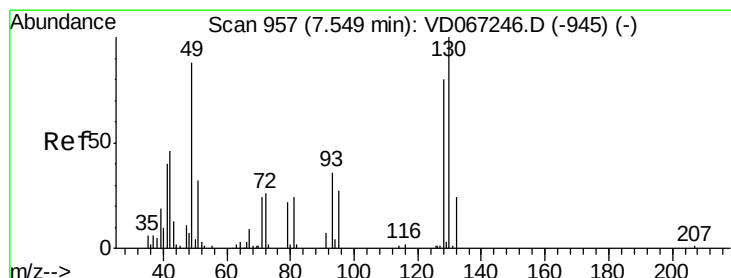
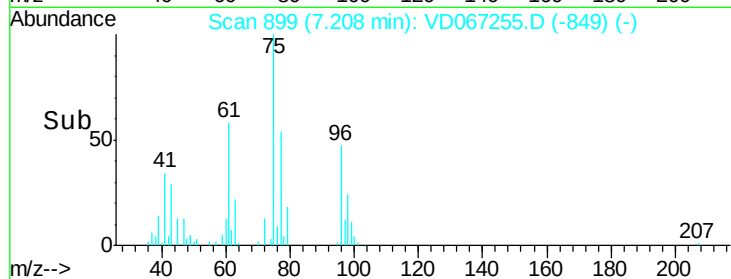
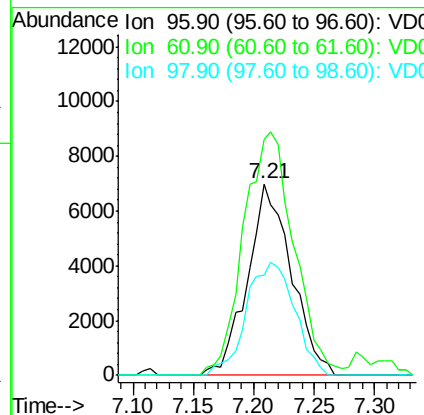
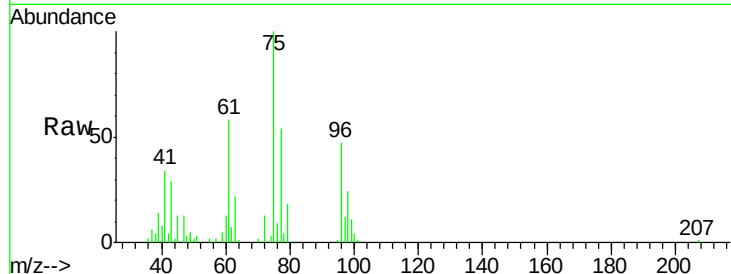
cis-1,2-Dichloroethene
Concen: 5.088 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1016

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	255.4
98	65.1	0.0	128.0

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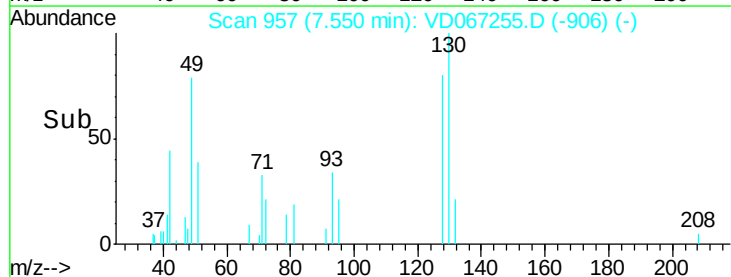
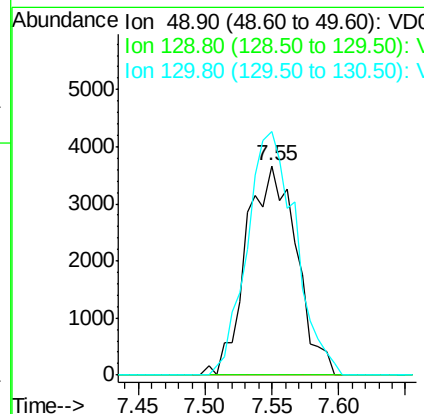
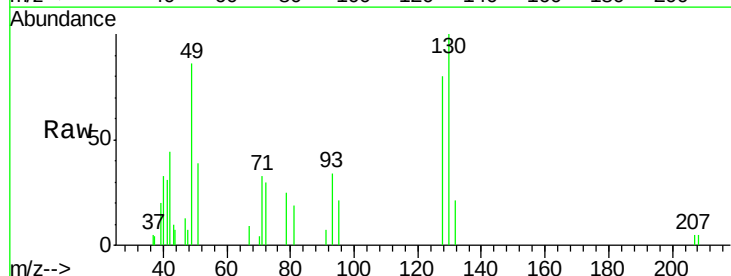
MMDadoda
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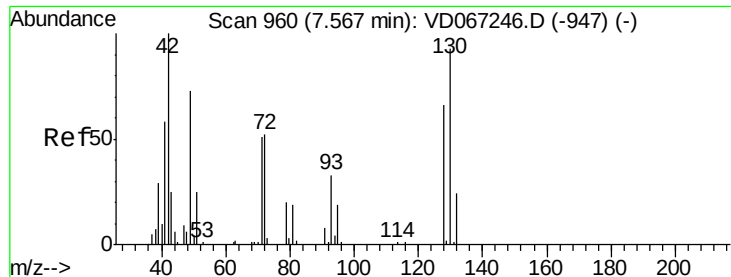


#28

Bromochloromethane
Concen: 5.686 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	1.6
130	112.9	91.0	136.6





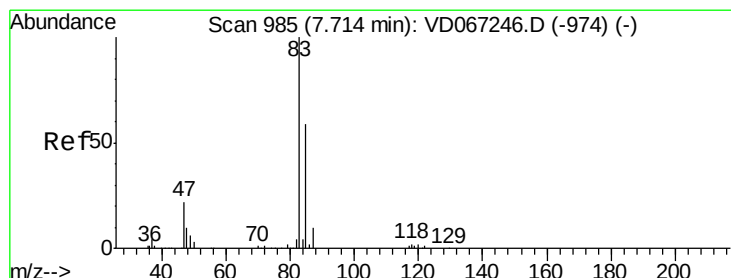
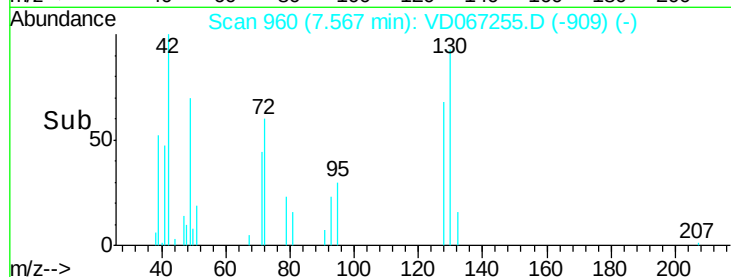
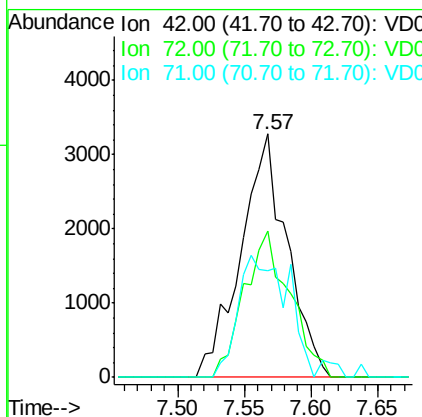
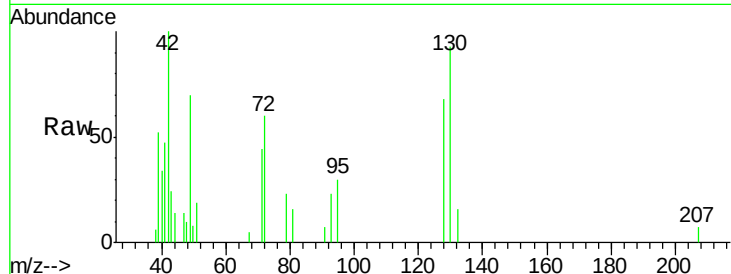
#29
Tetrahydrofuran
Concen: 26.658 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Instrument :
MSVOA_D
ClientSampled :
VD1016

Tot Ion	Ratio	Lower	Upper
42	100		
72	58.7	43.2	64.8
71	53.9	39.4	59.0

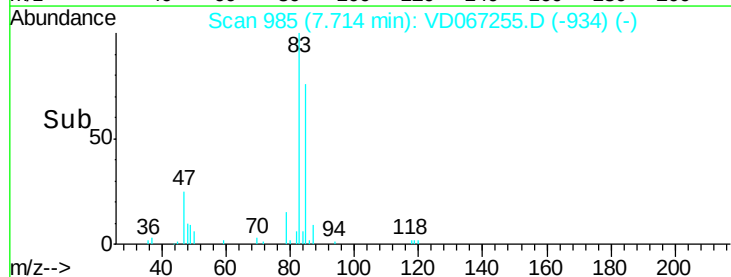
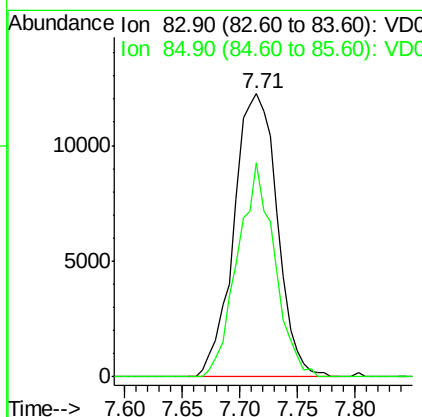
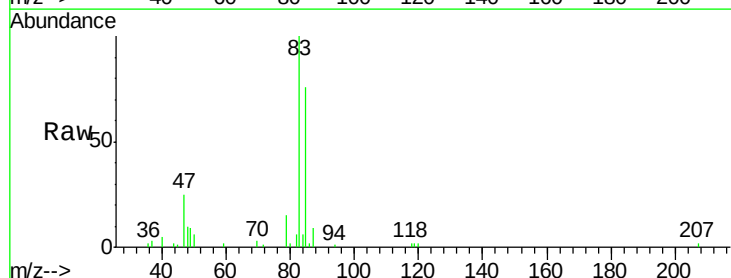
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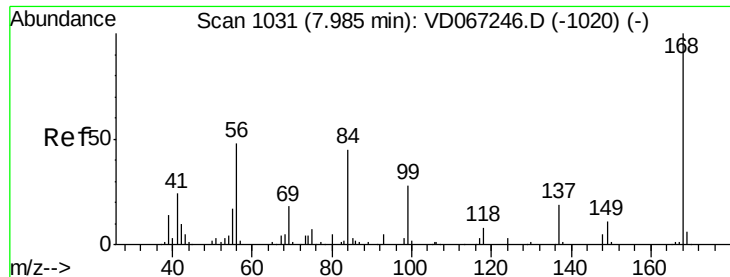
MMDadoda
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#30
Chloroform
Concen: 5.428 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	75.7	47.3	70.9





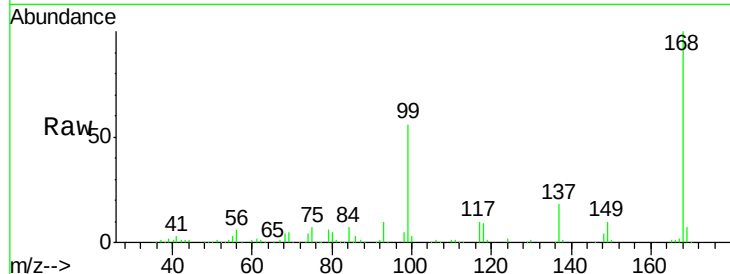
#31
Cyclohexane
Concen: 6.261 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1016

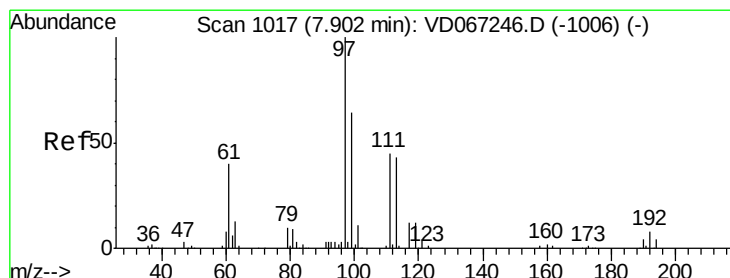
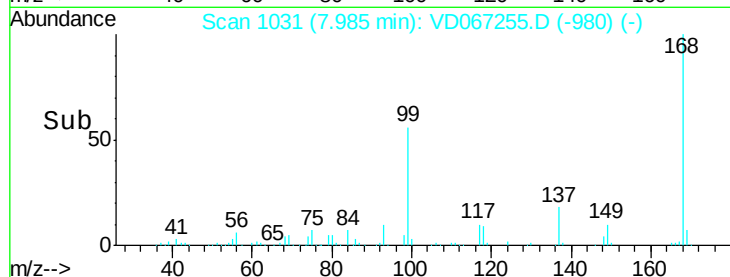
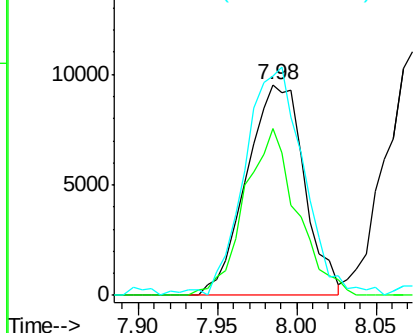
Tot Ion	Ratio	Lower	Upper
56	100		
69	79.3	29.8	44.6#
84	101.5	76.6	114.8

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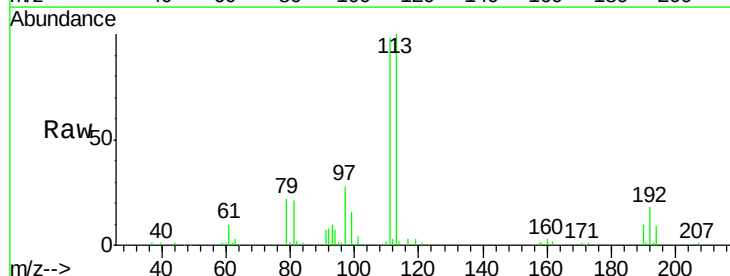


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

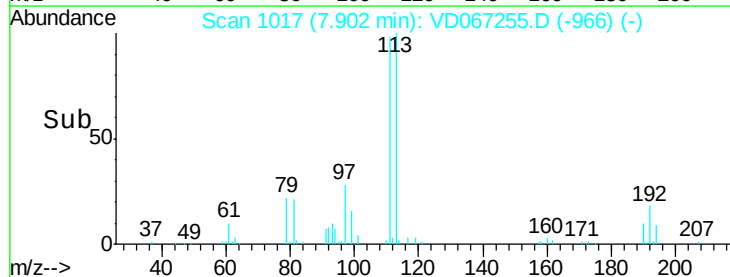
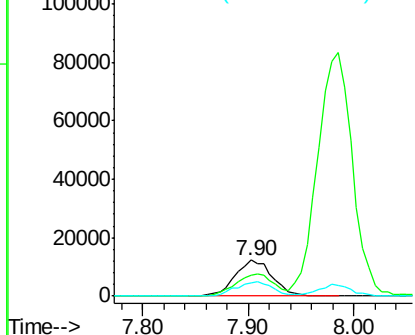


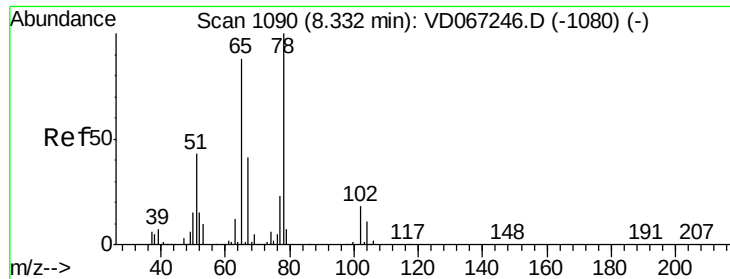
#32
1,1,1-Trichloroethane
Concen: 5.244 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.2	75.4
61	39.0	30.5	45.7



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





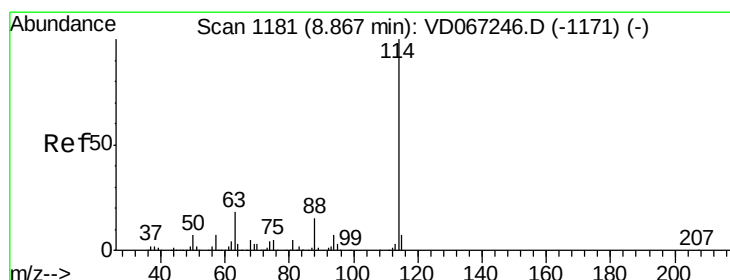
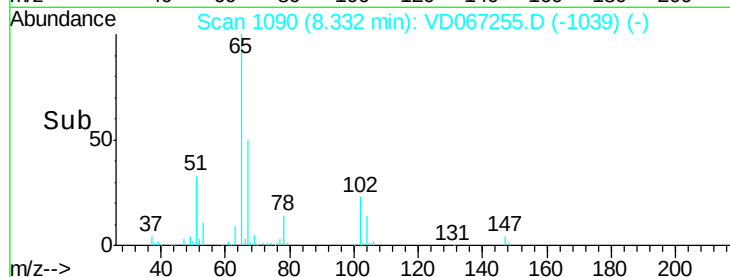
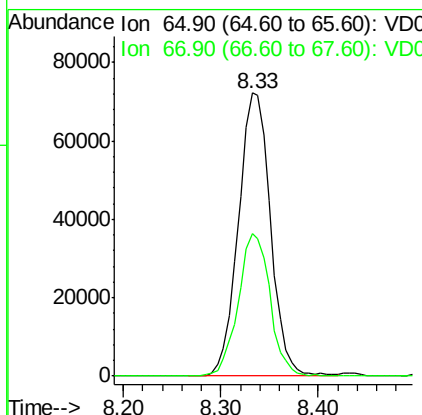
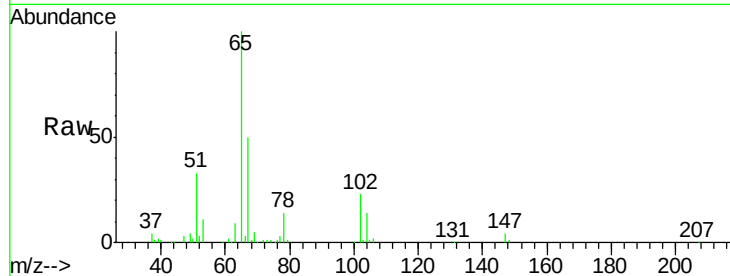
#33
 1,2-Dichloroethane-d4
 Concen: 49.877 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016

Tot Ion	Ratio	Resp	Lower	Upper
65	100	166451		
67	49.8	0.0	103.8	

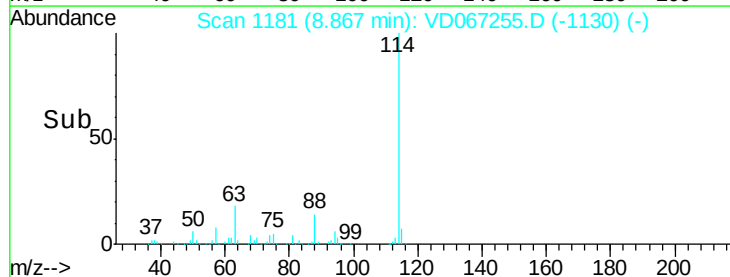
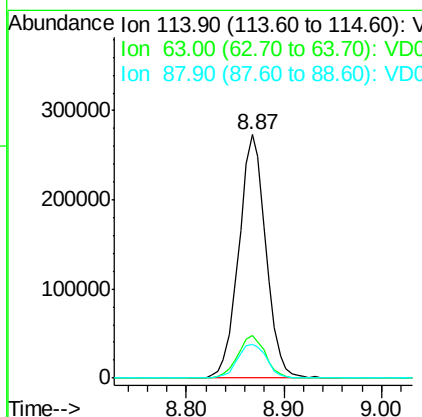
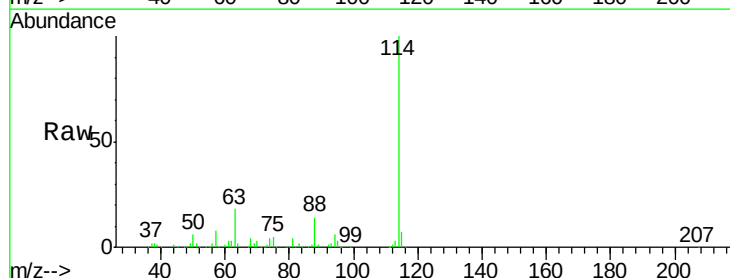
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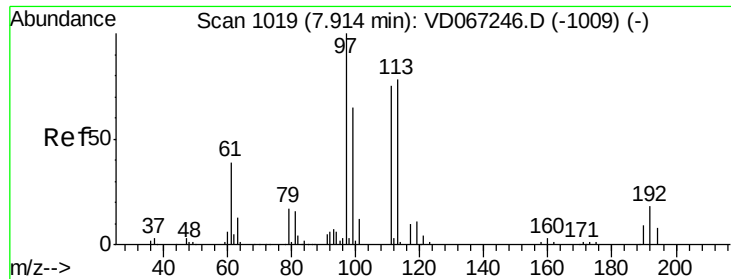
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	528226		
63	17.5	0.0	35.0	
88	14.0	0.0	30.6	





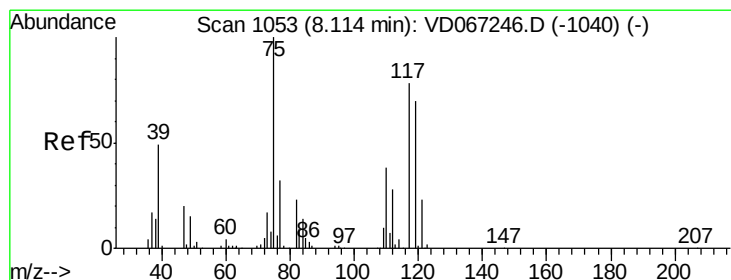
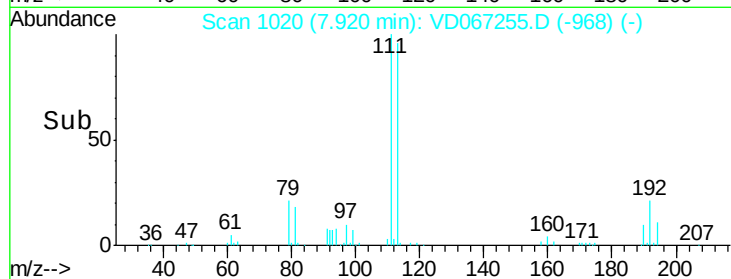
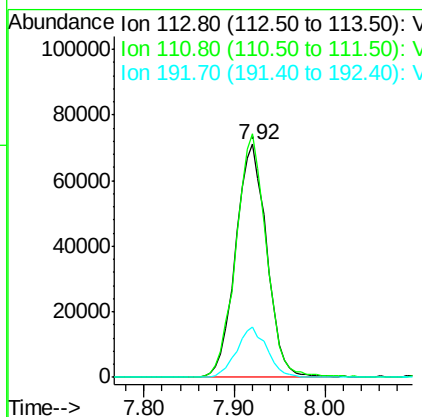
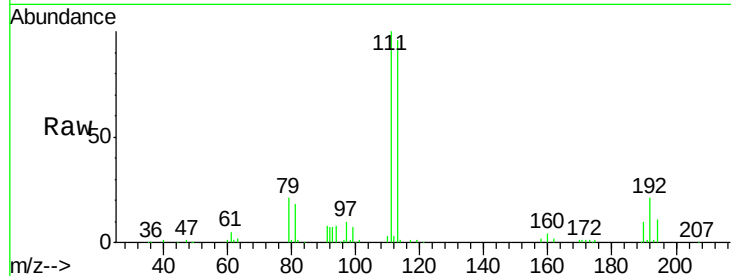
#35
 Dibromofluoromethane
 Concen: 48.377 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.6	122.4
192	20.9	17.0	25.4

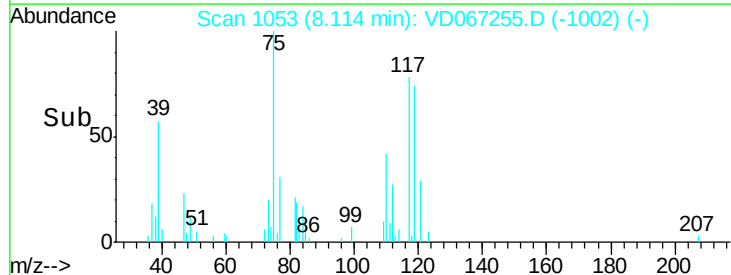
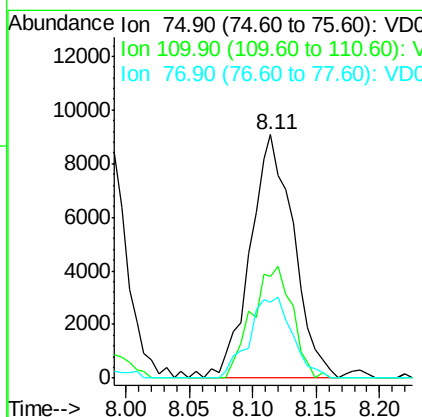
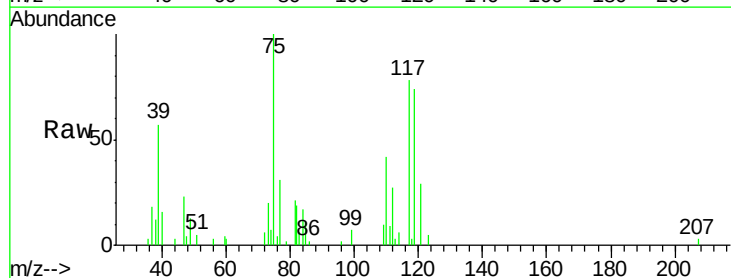
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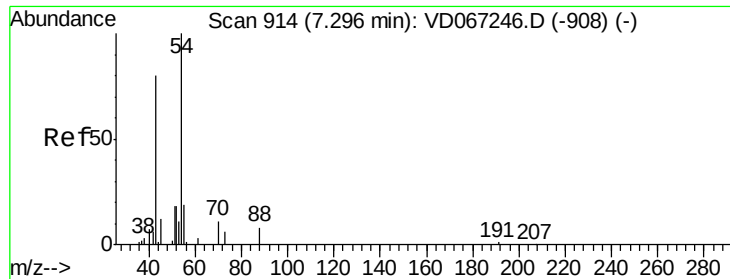
MMDadoda
 10/14/2020 2:10:28 PM



#36
 1,1-Dichloropropene
 Concen: 4.828 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	42.7	19.6	58.7
77	32.9	24.6	37.0





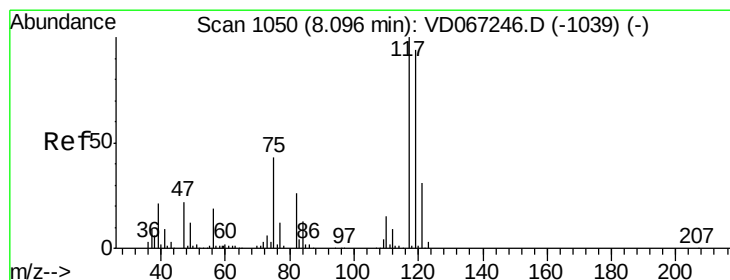
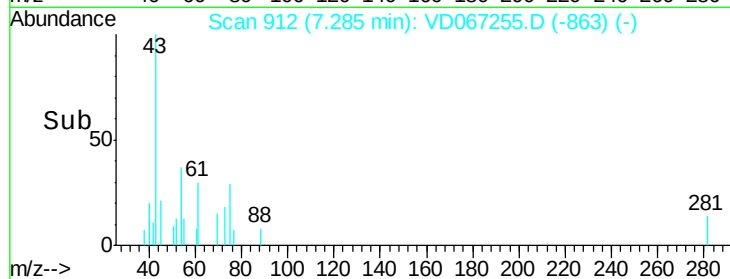
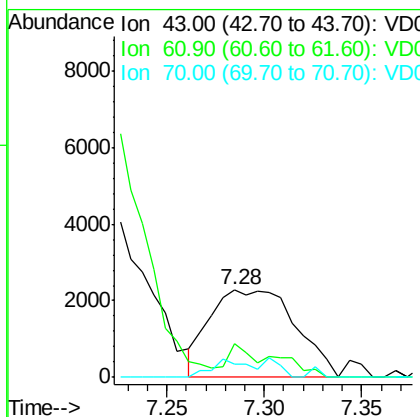
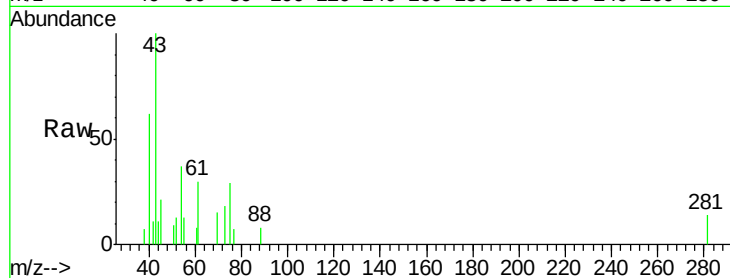
#37
Ethyl Acetate
Concen: 5.285 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1016

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	15.6	23.4#
70	8.7	10.4	15.6#

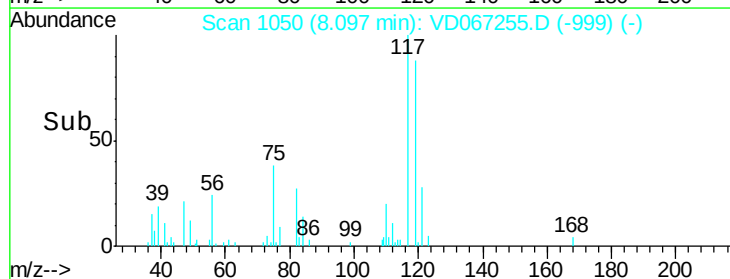
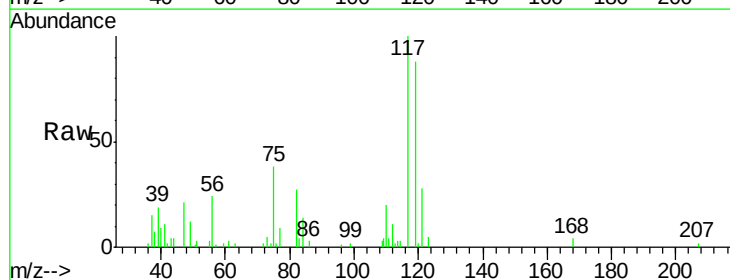
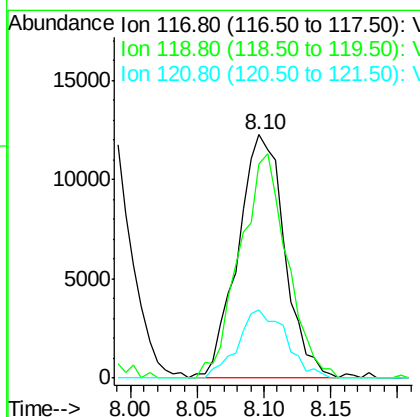
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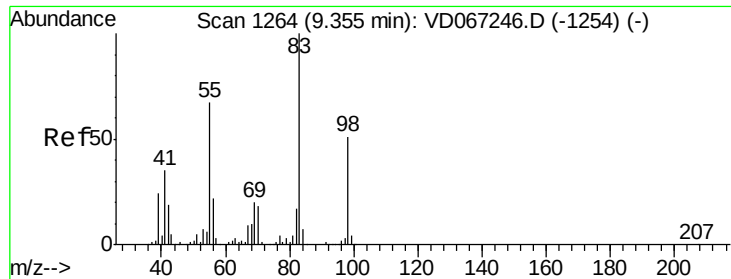
MMDadoda
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#38
Carbon Tetrachloride
Concen: 5.215 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.2	75.0	112.4
121	28.0	24.9	37.3





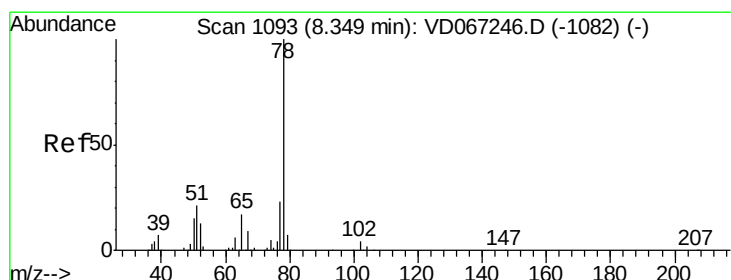
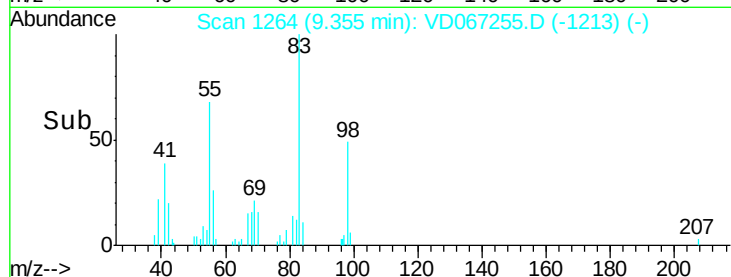
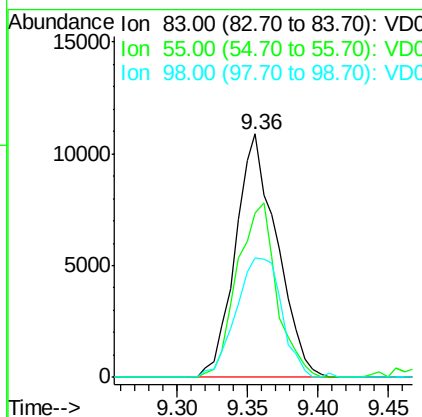
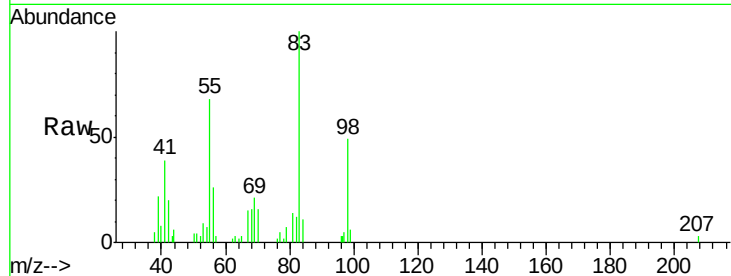
#39
Methylvlcyclohexane
Concen: 4.760 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Instrument :
MSVOA_D
ClientSampled :
VD1016

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.6	53.3	79.9
98	49.0	41.0	61.4

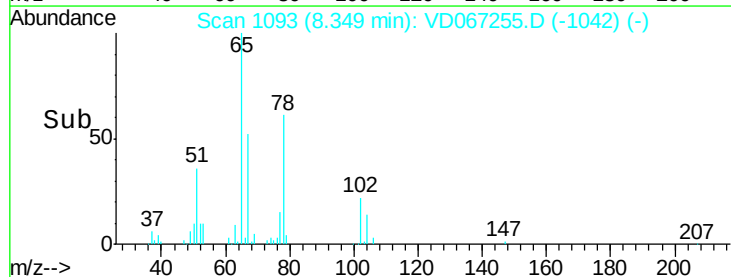
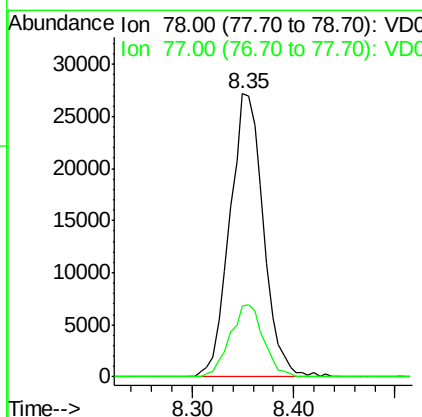
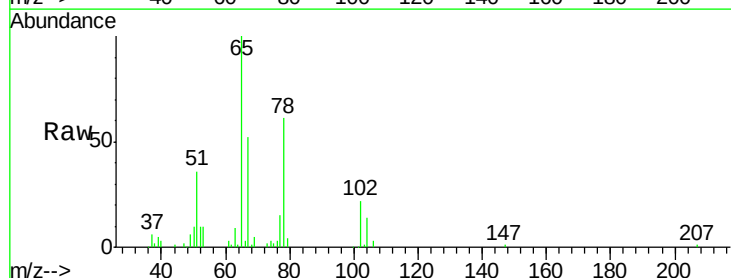
Manual Integrations
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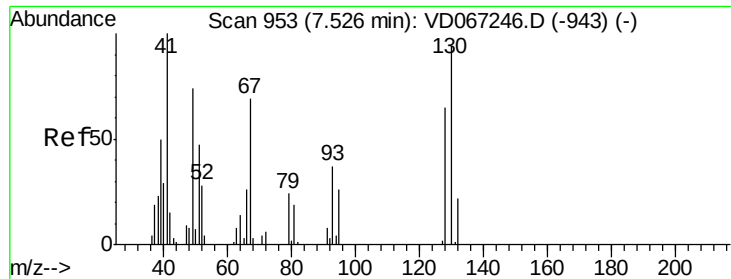
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#40
Benzene
Concen: 5.083 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	18.3	27.5





#41

Methacrylonitrile

Concen: 5.813 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1016

Tot Ion: 41 Resp: 4138

Ion Ratio Lower Upper

41 100

39 45.9 60.0 90.0#

67 92.7 88.9 133.3

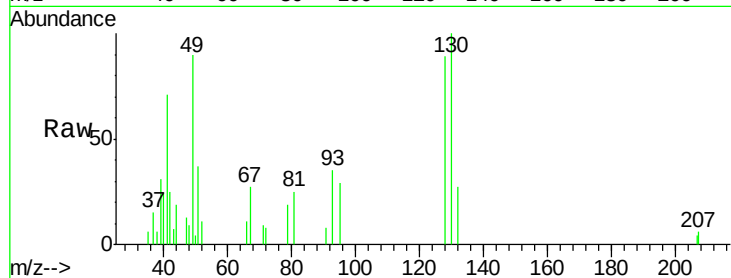
52 24.8 36.9 55.3#

Manual Integrations

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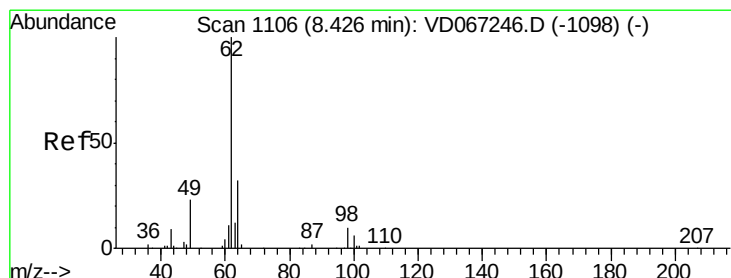
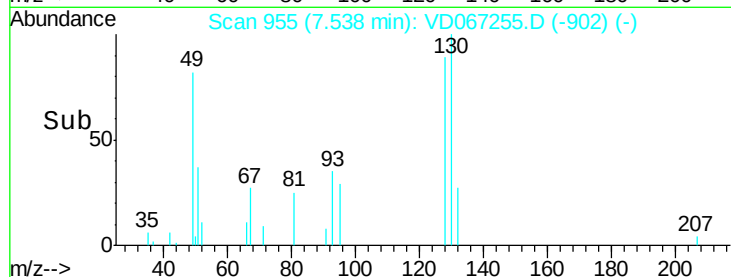
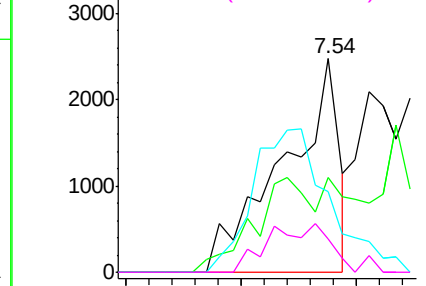


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 4.988 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067255.D

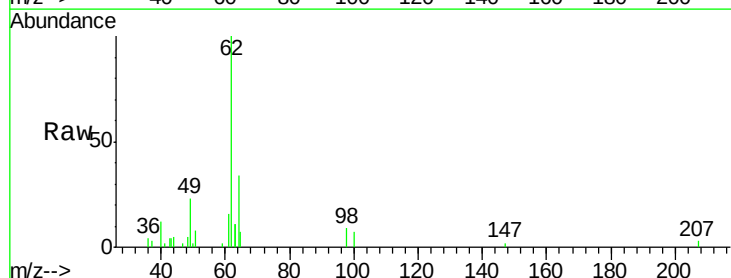
Acq: 13 Oct 2020 16:36

Tgt Ion: 62 Resp: 19171

Ion Ratio Lower Upper

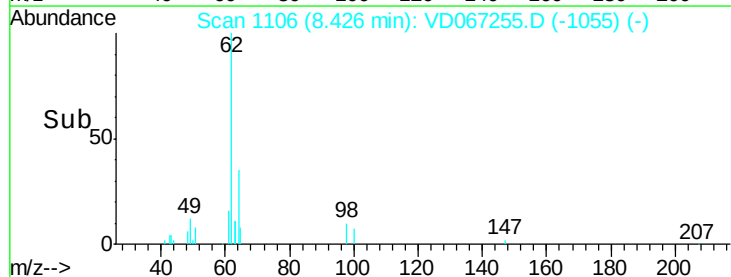
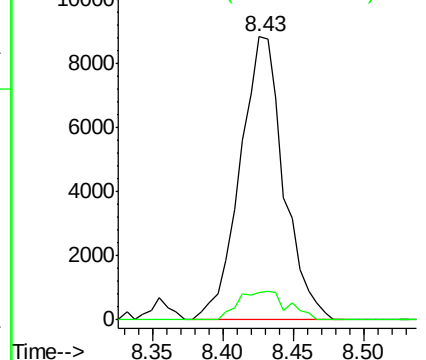
62 100

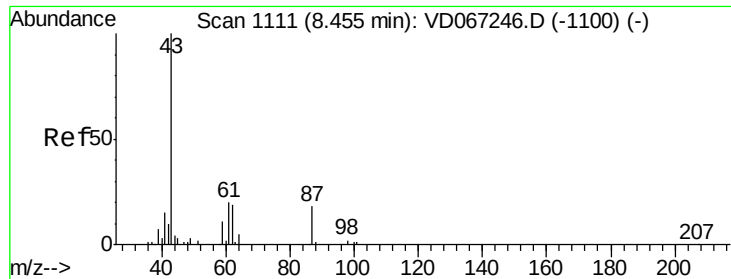
98 11.3 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 4.948 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

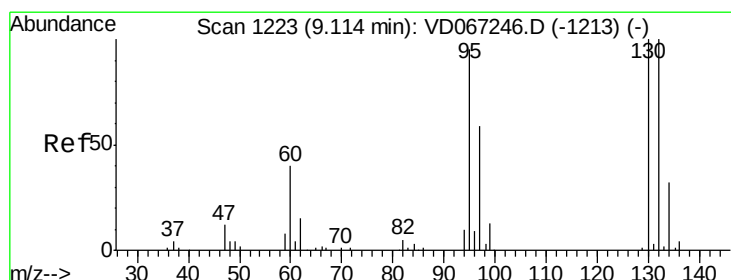
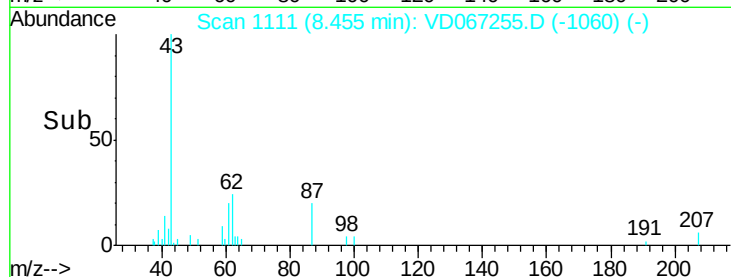
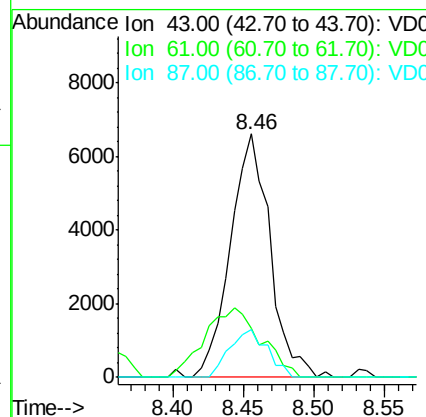
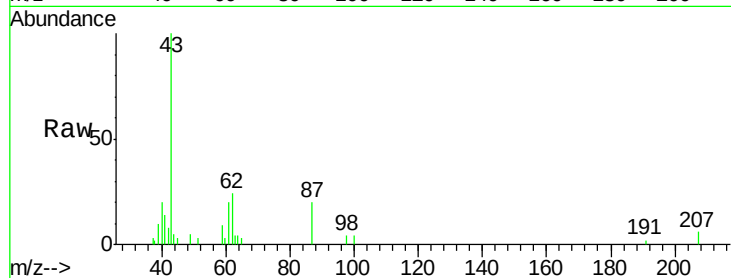
ClientSampleId :

VD1016

Tot Ion:	43	Resp:	12933
Ion	Ratio	Lower	Upper
43	100		
61	40.5	29.5	44.3
87	18.5	14.2	21.4

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#44

Trichloroethene

Concen: 5.315 ug/l

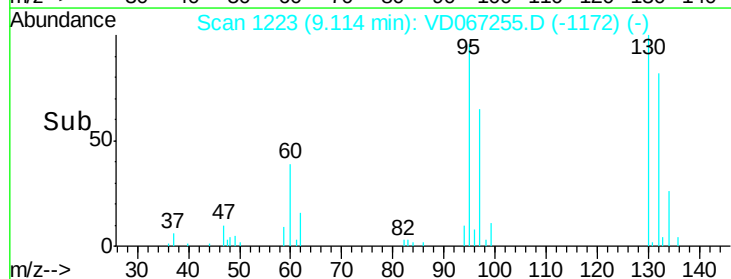
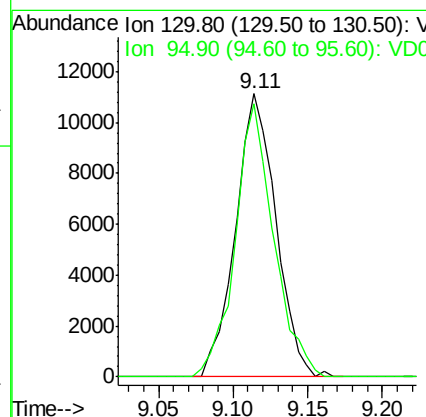
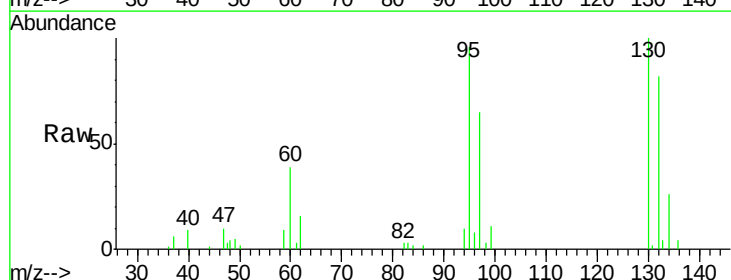
RT: 9.11 min Scan# 1223

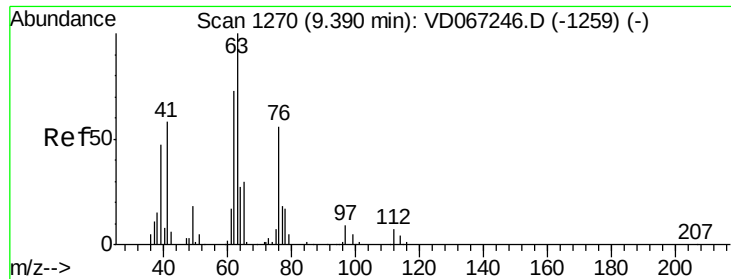
Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Tgt Ion:	130	Resp:	20903
Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	190.6





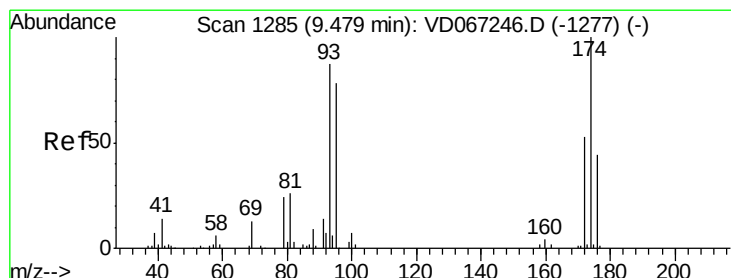
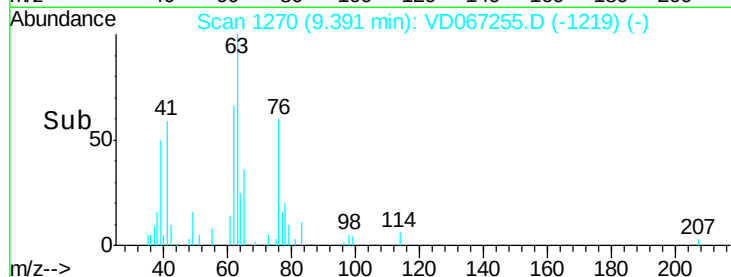
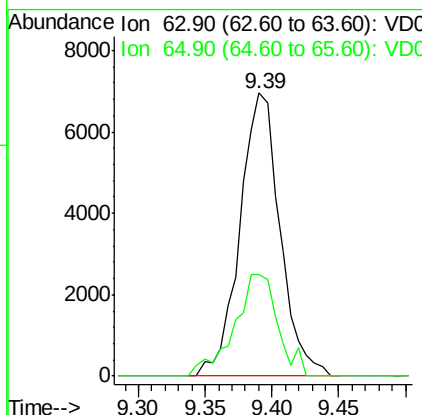
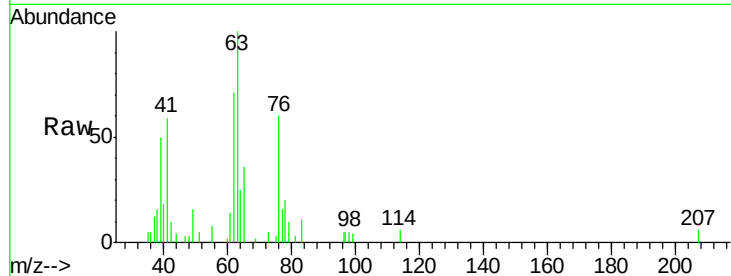
#45
 1,2-Dichloropropane
 Concen: 5.077 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016

Tot Ion: 63 Resp: 14453
 Ion Ratio Lower Upper
 63 100
 65 35.9 24.6 36.8

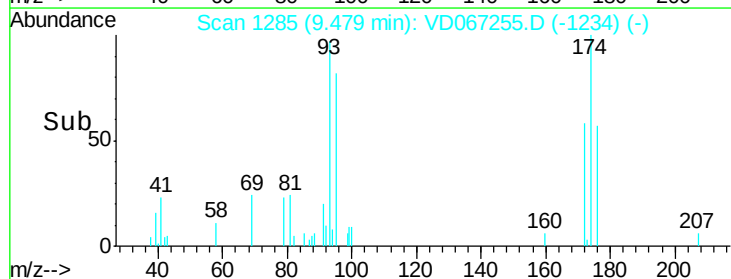
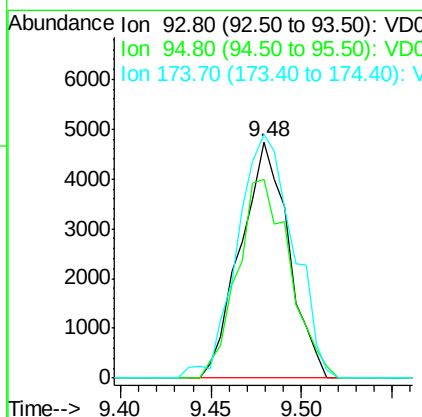
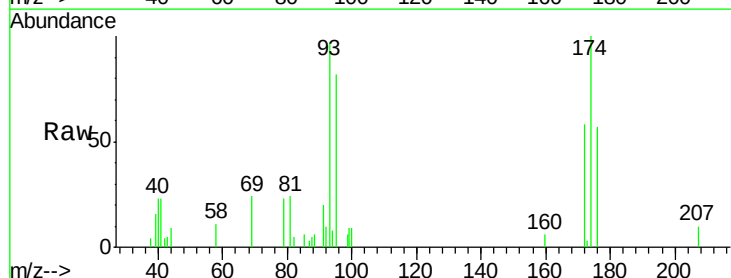
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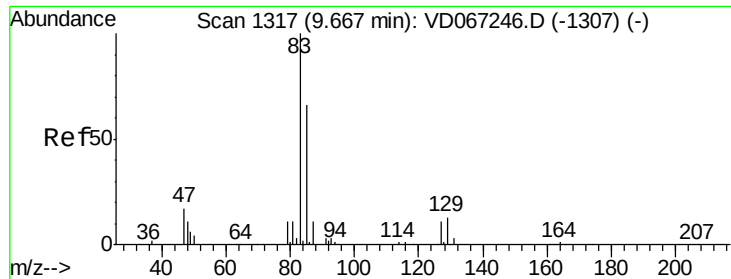
MMDadoda
 10/14/2020 2:10:28 PM



#46
 Dibromomethane
 Concen: 4.936 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Tgt Ion: 93 Resp: 8754
 Ion Ratio Lower Upper
 93 100
 95 91.5 68.0 102.0
 174 120.2 91.8 137.6





#47

Bromodichloromethane

Concen: 5.072 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

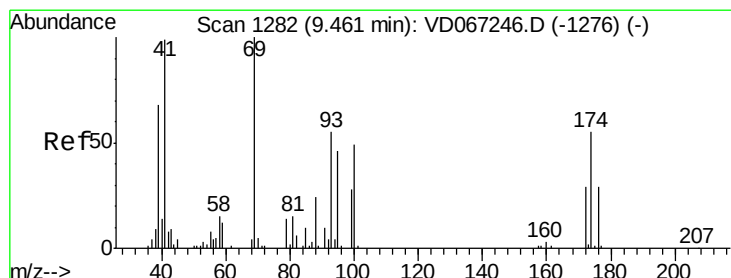
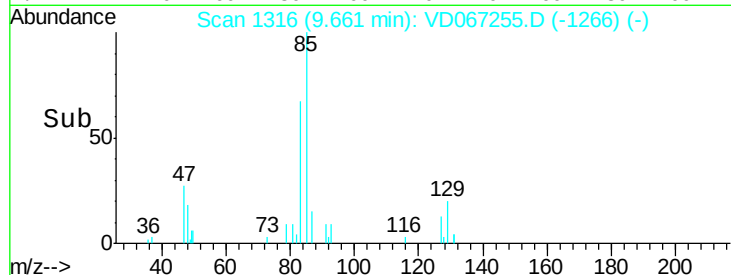
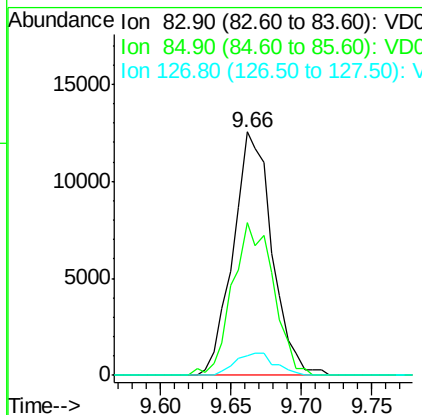
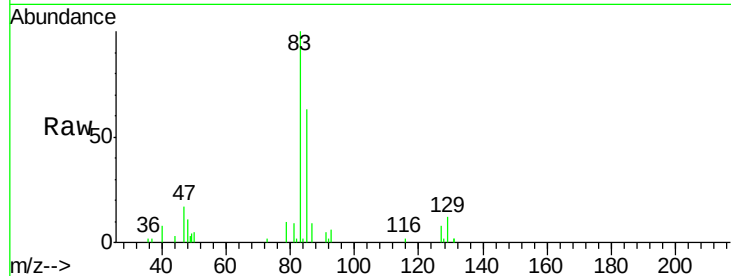
ClientSampleId :

VD1016

Tot Ion:	83	Resp:	24099
Ion	Ratio	Lower	Upper
83	100		
85	62.6	53.1	79.7
127	8.1	8.6	13.0#

Manual Integrations
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#48

Methyl methacrylate

Concen: 5.257 ug/l

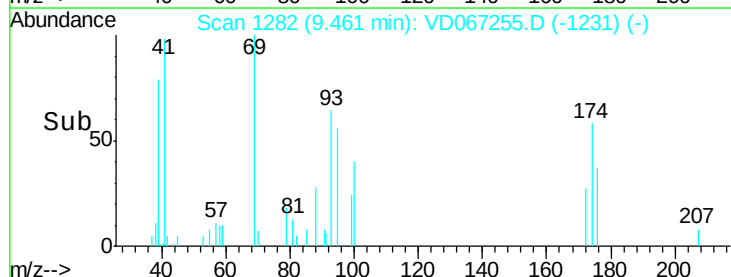
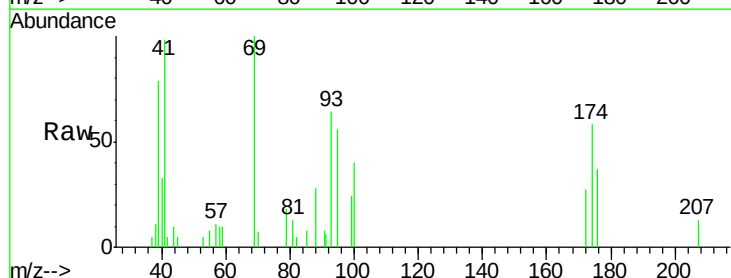
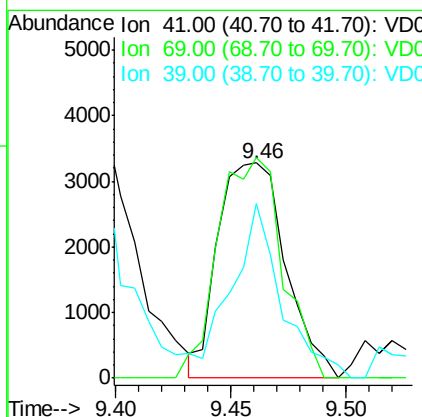
RT: 9.46 min Scan# 1282

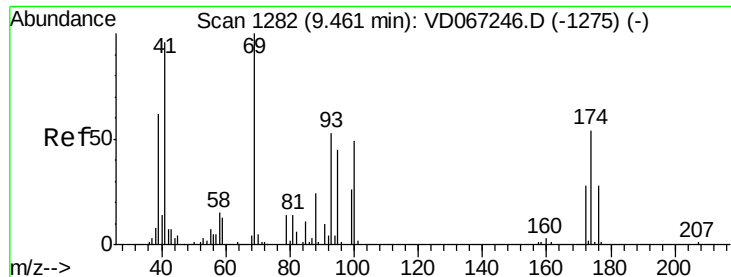
Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Tgt Ion:	41	Resp:	6678
Ion	Ratio	Lower	Upper
41	100		
69	98.2	89.0	133.6
39	62.6	60.2	90.2





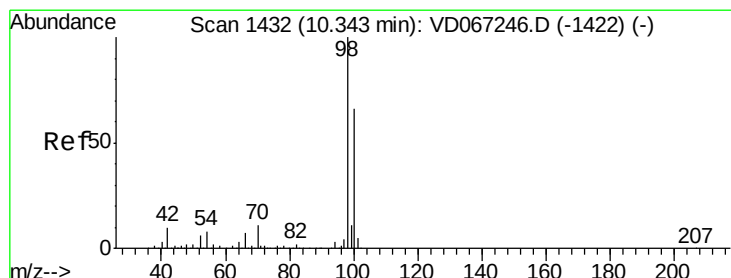
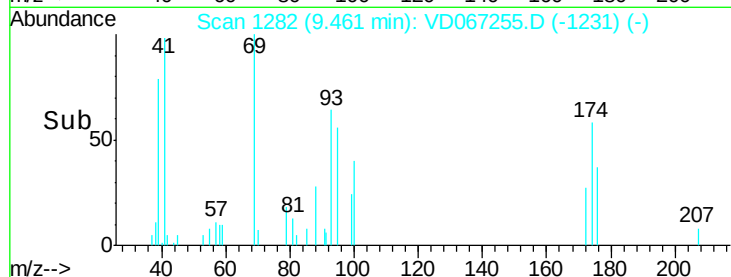
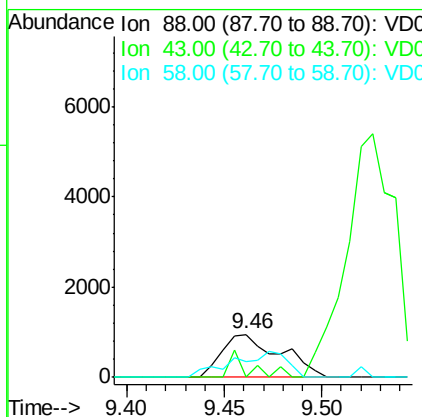
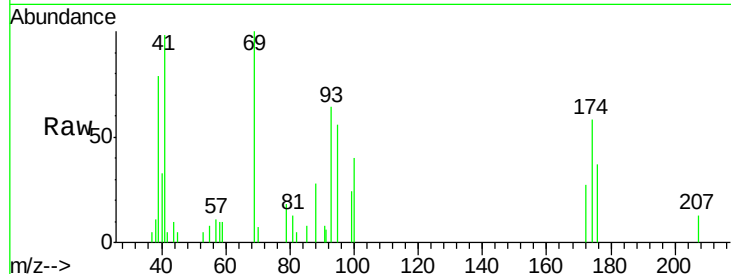
#49
1,4-Dioxane
Concen: 105.211 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1016

Tot Ion	Ratio	Lower	Upper
88	100		
43	19.9	23.9	35.9#
58	56.1	51.0	76.6

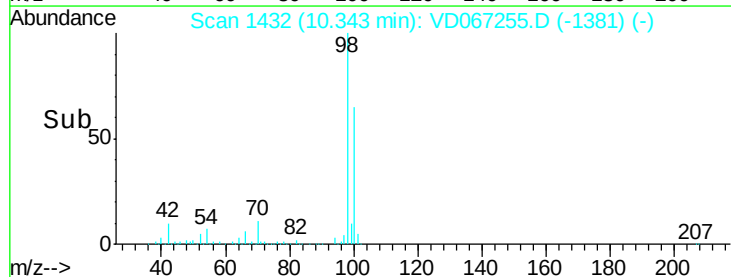
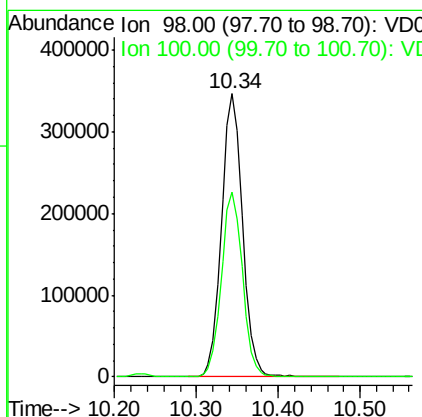
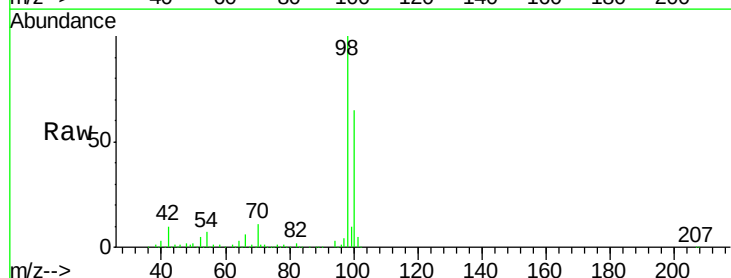
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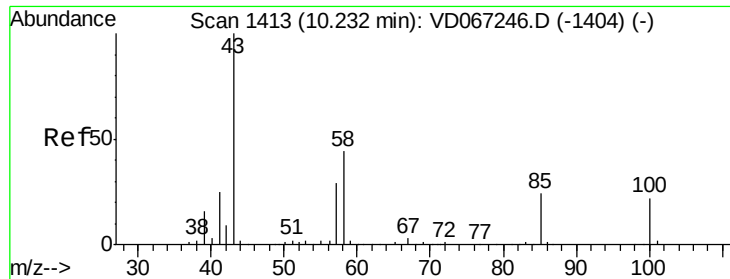
MMDadoda
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#50
Toluene-d8
Concen: 48.837 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.1	79.7





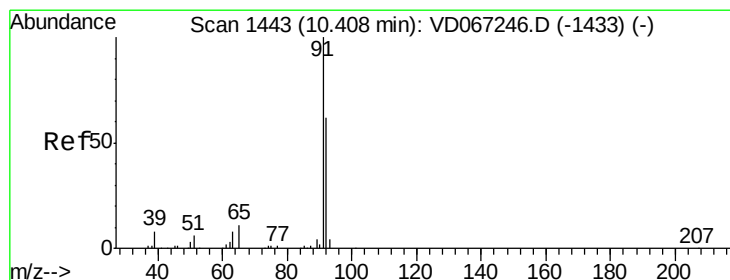
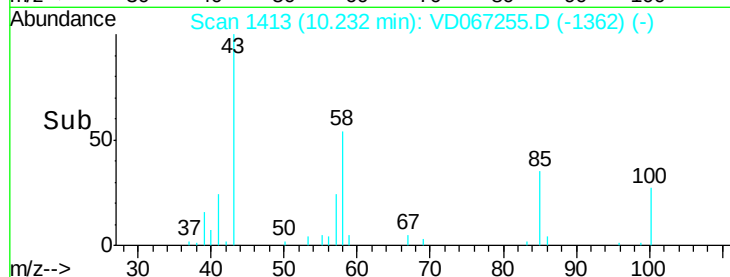
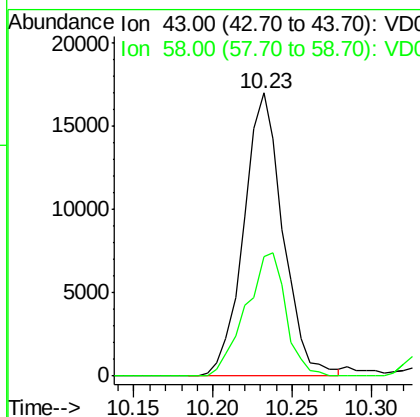
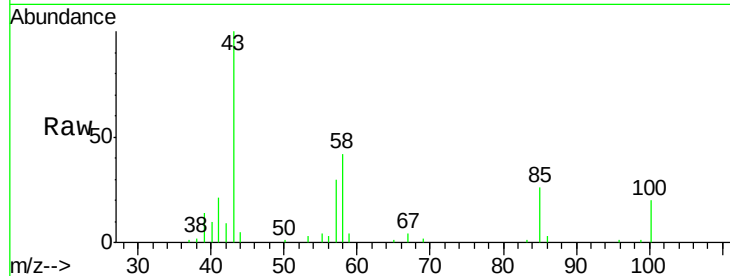
#51
4-Methyl-2-Pentanone
Concen: 22.412 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Instrument :
MSVOA_D
ClientSampled :
VD1016

Tot Ion: 43 Resp: 29218
Ion Ratio Lower Upper
43 100
58 44.5 35.7 53.5

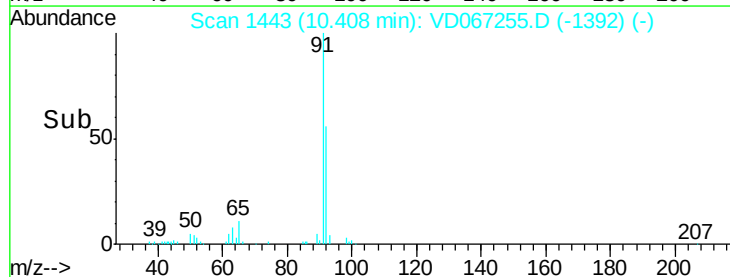
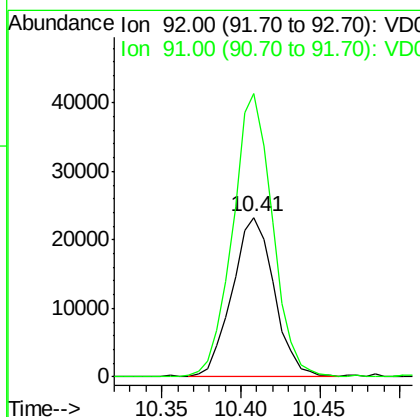
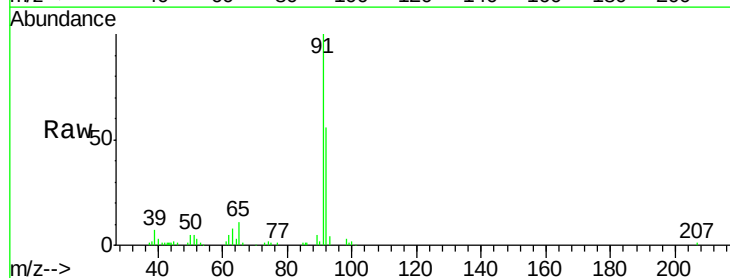
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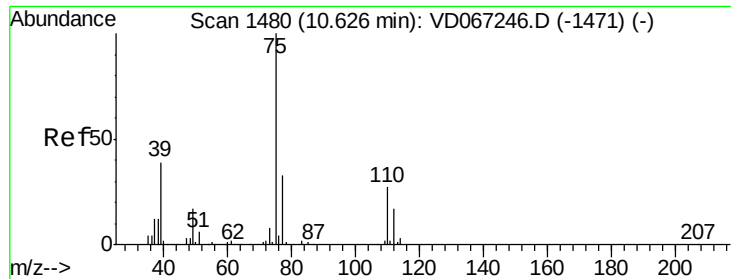
MMDadoda
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#52
Toluene
Concen: 5.098 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion: 92 Resp: 42644
Ion Ratio Lower Upper
92 100
91 169.3 133.8 200.8





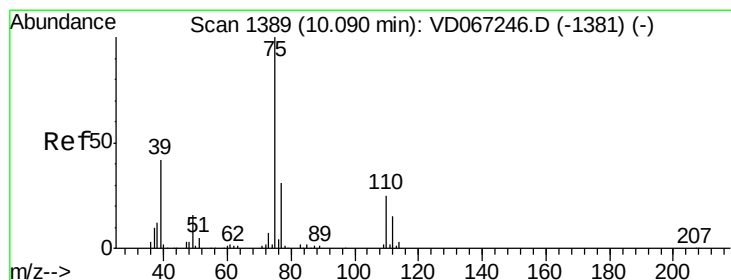
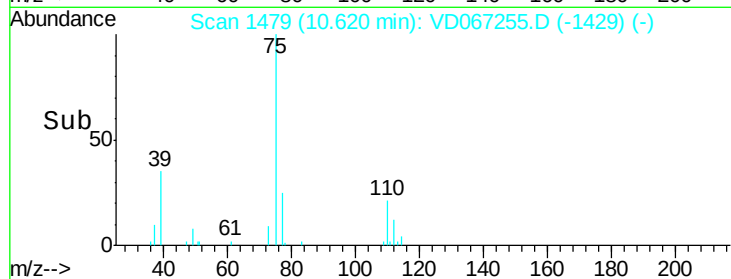
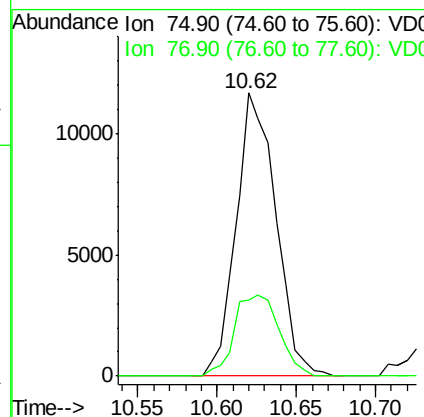
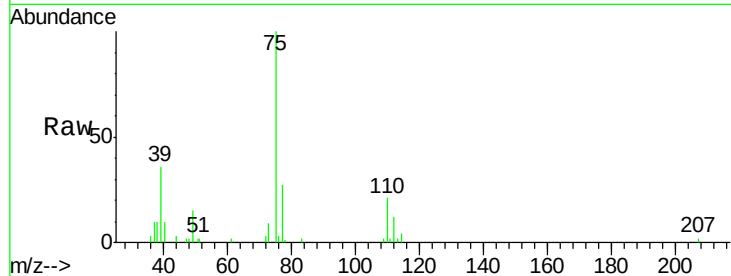
#53
 t-1,3-Dichloropropene
 Concen: 4.860 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016

Tot Ion: 75 Resp: 20288
 Ion Ratio Lower Upper
 75 100
 77 26.7 26.5 39.7

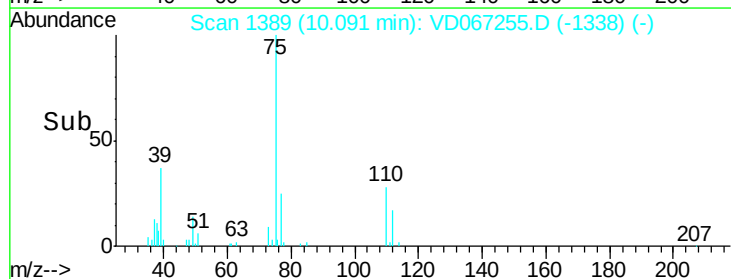
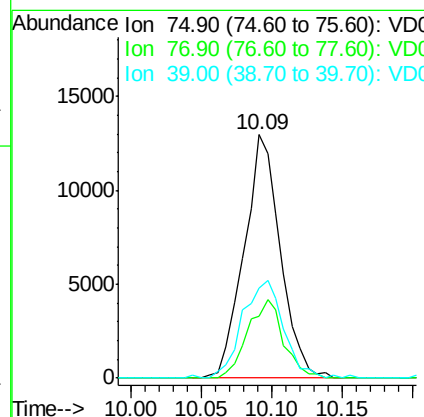
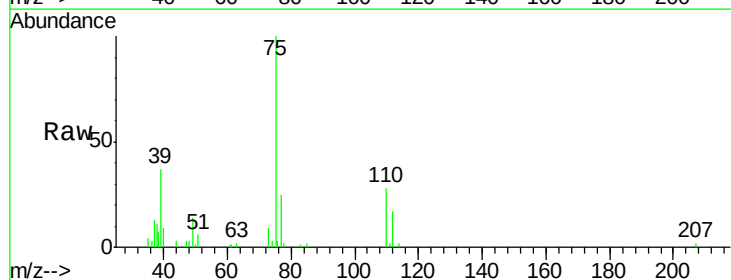
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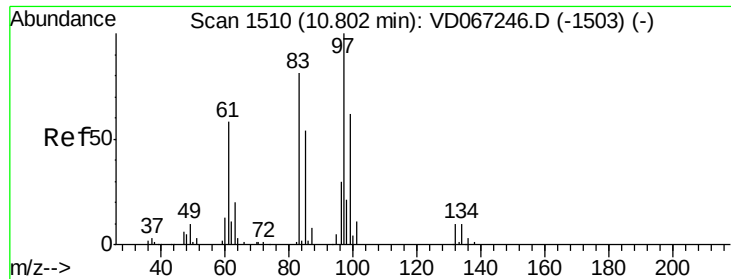
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 4.775 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Tgt Ion: 75 Resp: 23328
 Ion Ratio Lower Upper
 75 100
 77 25.5 24.5 36.7
 39 37.1 33.7 50.5





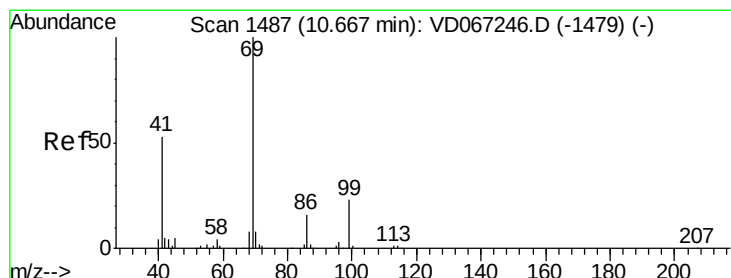
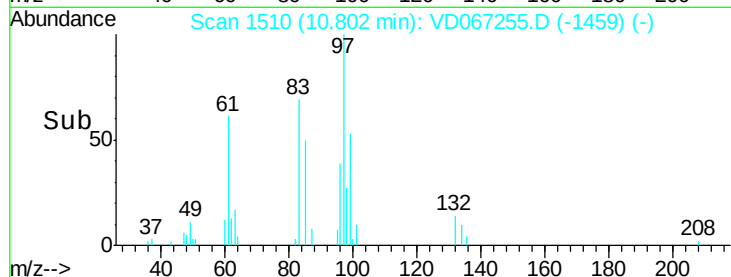
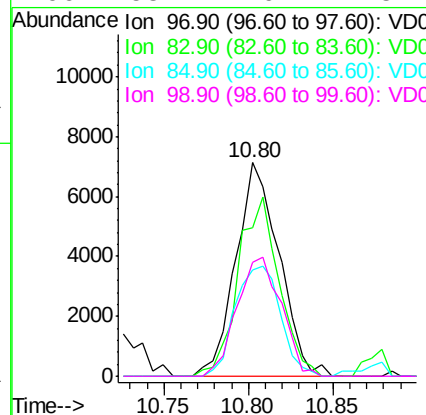
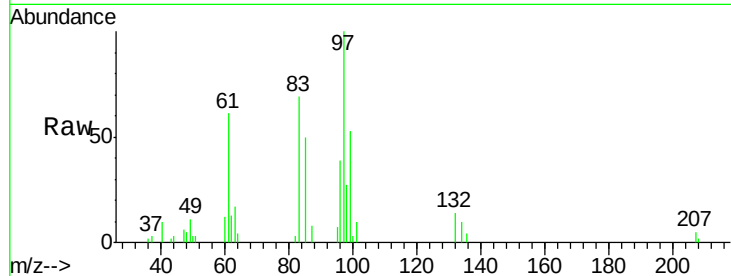
#55
 1,1,2-Trichloroethane
 Concen: 5.260 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016

Tot Ion:	97	Resp:	12720
Ion	Ratio	Lower	Upper
97	100		
83	69.5	64.9	97.3
85	49.6	43.3	64.9
99	53.4	49.1	73.7

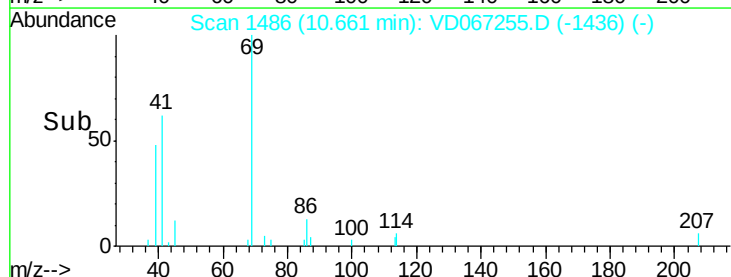
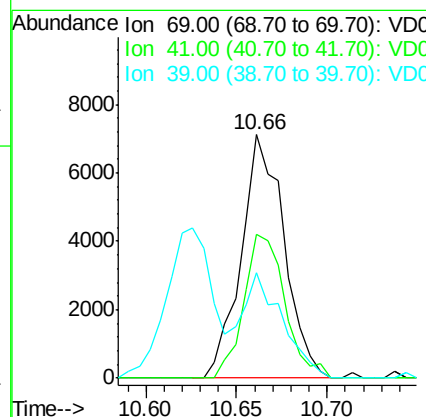
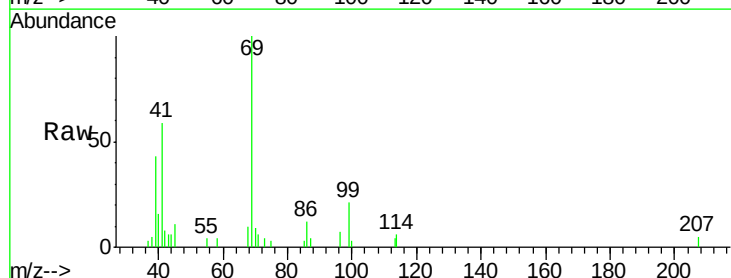
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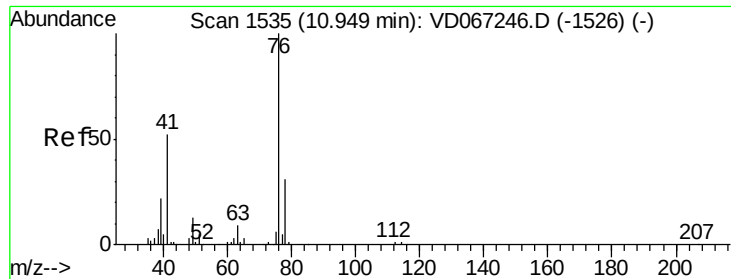
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#56
 Ethyl methacrylate
 Concen: 4.662 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Tgt Ion:	69	Resp:	11694
Ion	Ratio	Lower	Upper
69	100		
41	56.7	44.7	67.1
39	41.8	26.2	39.2#





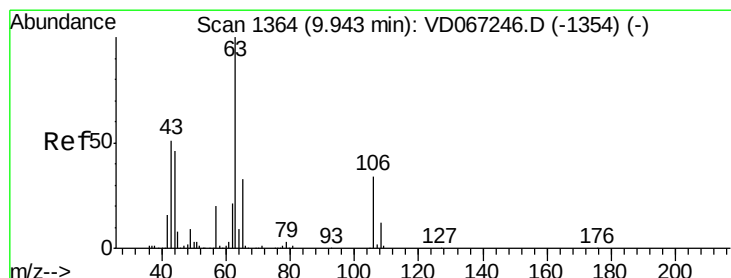
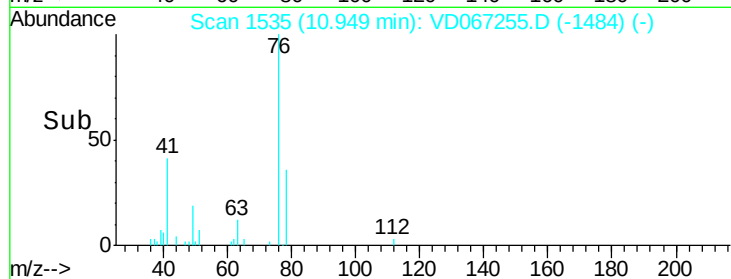
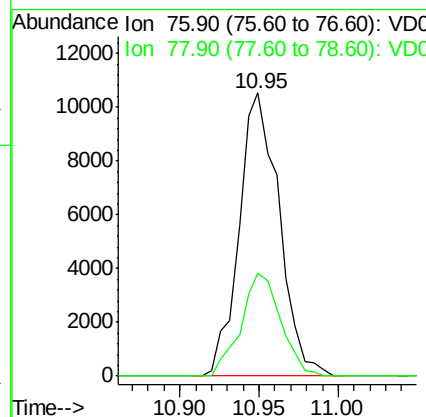
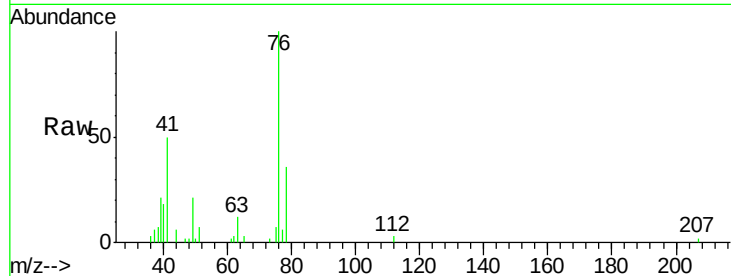
#57
 1,3-Dichloropropane
 Concen: 4.797 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Instrument :
 MSVOA_D
 ClientSampled :
 VD1016

Tot Ion: 76 Resp: 18464
 Ion Ratio Lower Upper
 76 100
 78 36.0 26.8 40.2

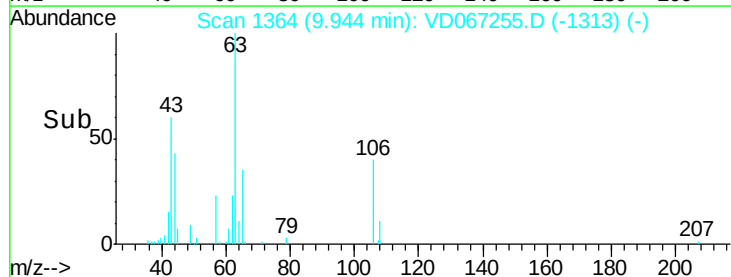
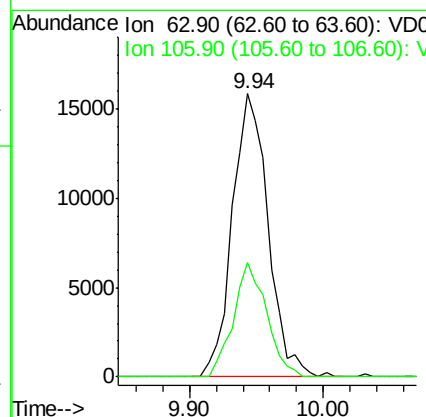
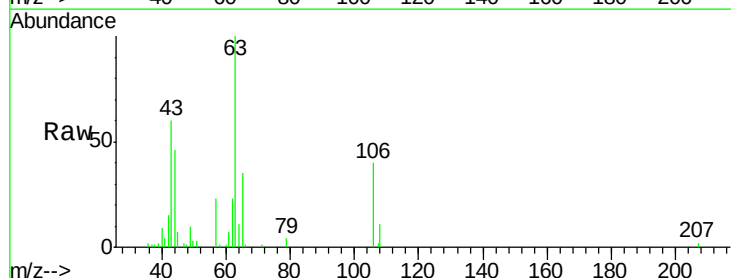
Manual Integrations
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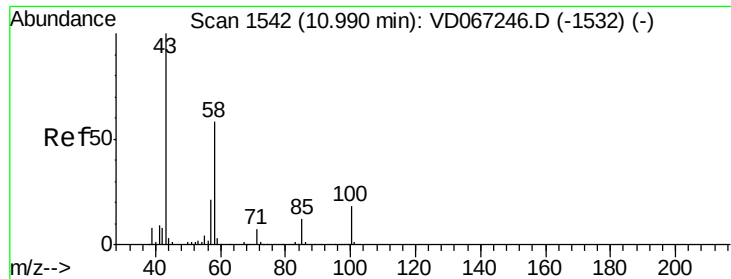
MMDadoda
 10/14/2020 2:10:28 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 22.969 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Tgt Ion: 63 Resp: 29554
 Ion Ratio Lower Upper
 63 100
 106 37.5 27.8 41.6





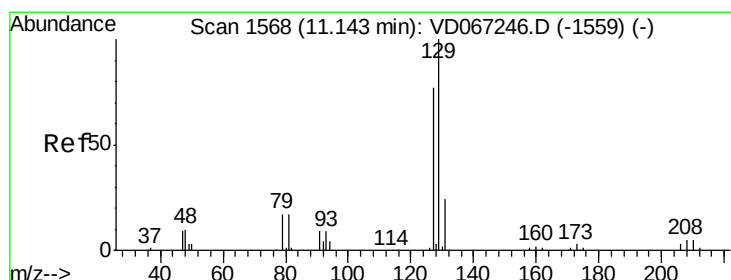
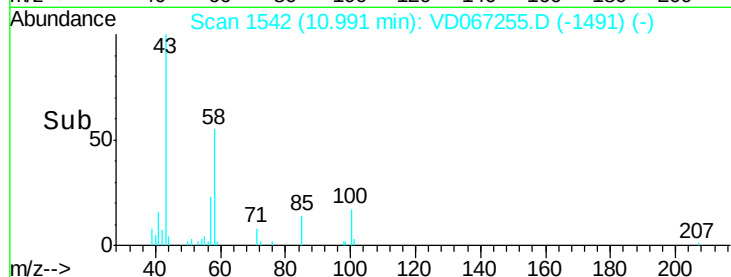
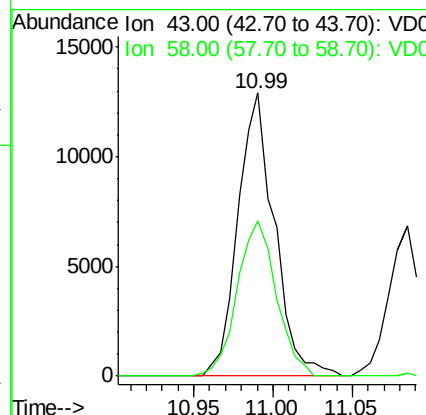
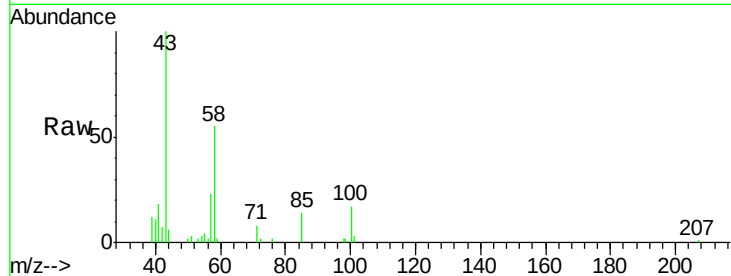
#59
2-Hexanone
Concen: 23.091 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1016

Tot Ion: 43 Resp: 20570
Ion Ratio Lower Upper
43 100
58 58.9 29.3 87.9

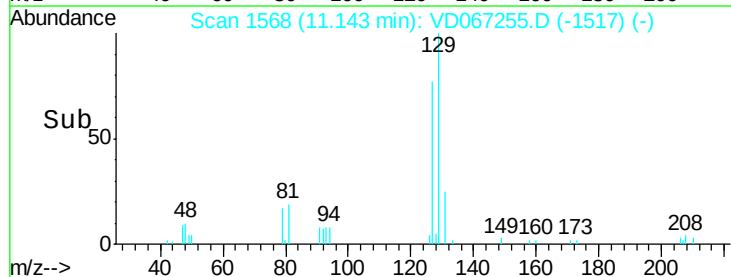
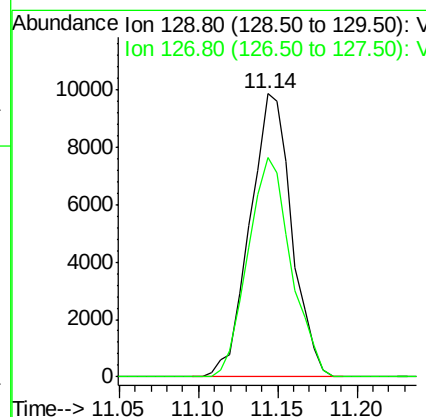
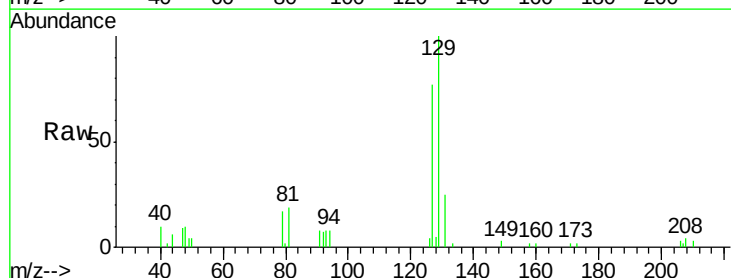
Manual Integrations
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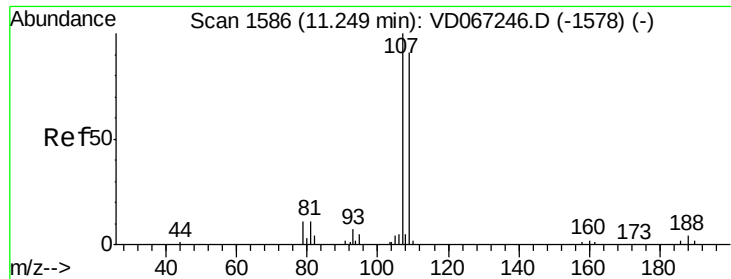
MMDadoda
10/14/2020 2:10:28 PM



#60
Dibromochloromethane
Concen: 5.125 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion: 129 Resp: 18076
Ion Ratio Lower Upper
129 100
127 79.5 38.3 114.8





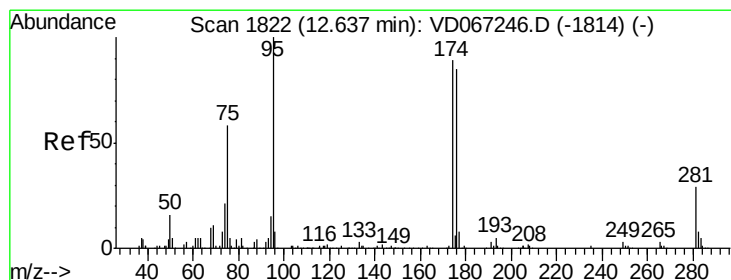
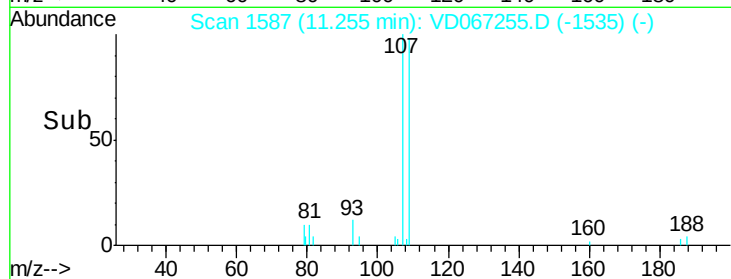
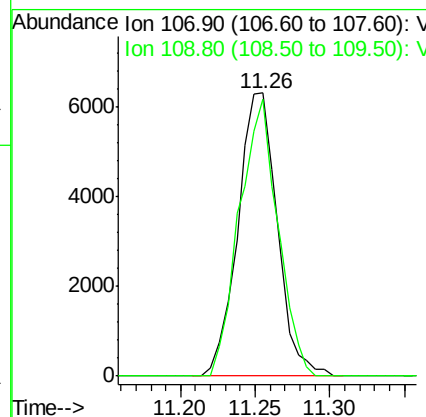
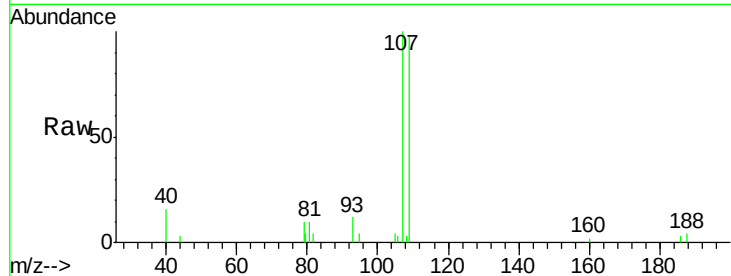
#61
 1,2-Dibromoethane
 Concen: 4.850 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016

Tot Ion: 107 Resp: 11563
 Ion Ratio Lower Upper
 107 100
 109 95.9 74.6 112.0

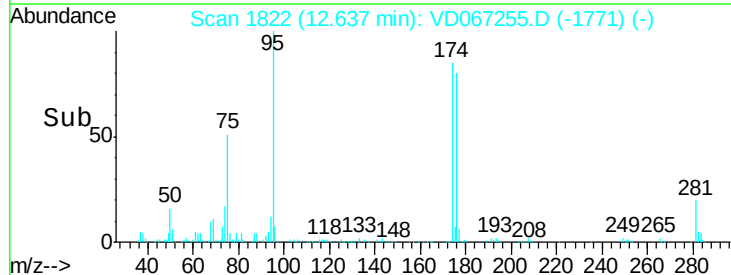
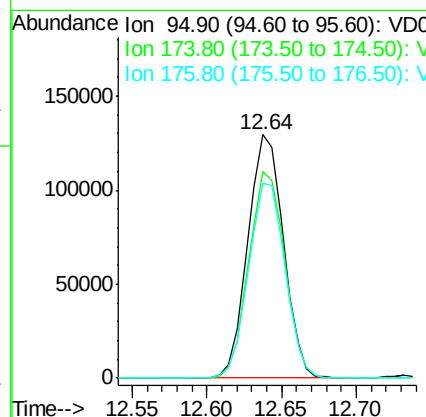
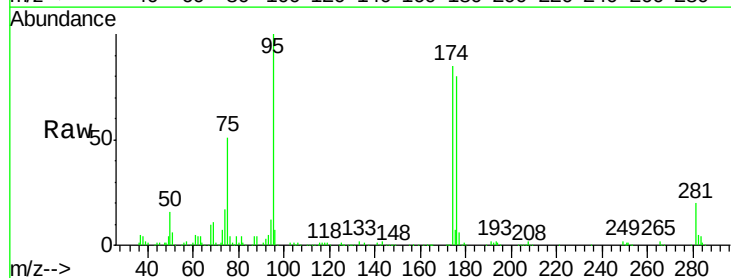
Manual Integrations
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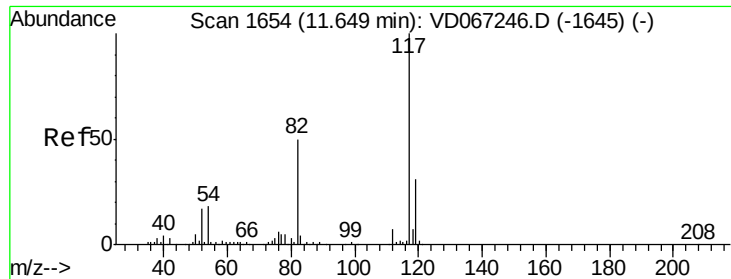
MMDadoda
 10/14/2020 2:10:28 PM



#62
 4-Bromofluorobenzene
 Concen: 48.268 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Tgt Ion: 95 Resp: 213518
 Ion Ratio Lower Upper
 95 100
 174 86.2 0.0 175.2
 176 82.4 0.0 168.6





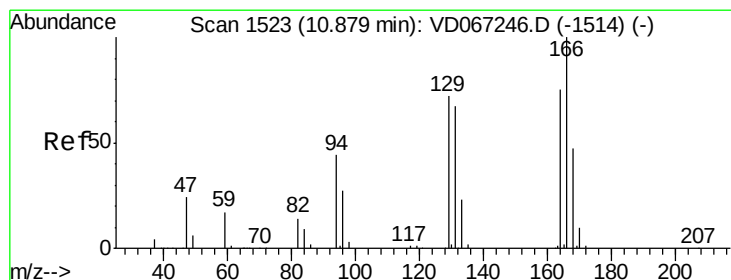
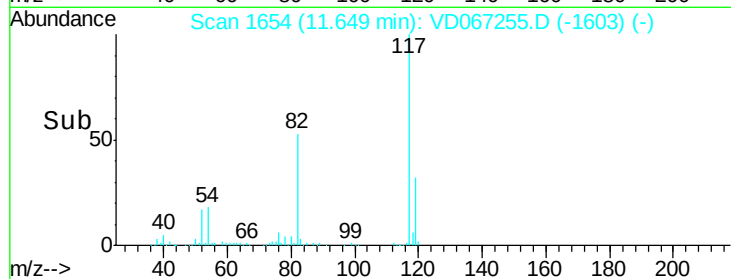
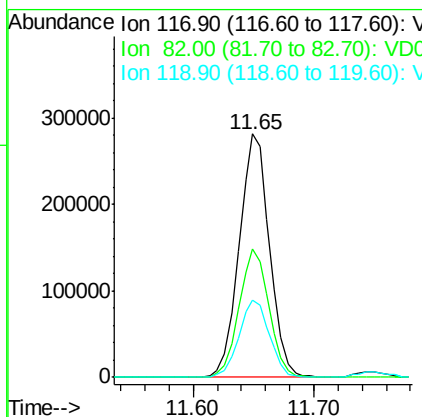
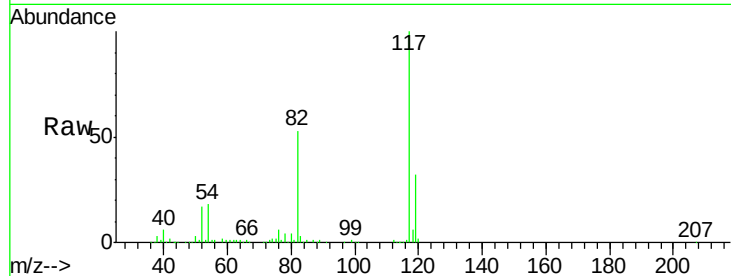
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1016

Tot Ion	Ratio	Resp	Lower	Upper
117	100	490844		
82	52.6		39.9	59.9
119	31.6		24.9	37.3

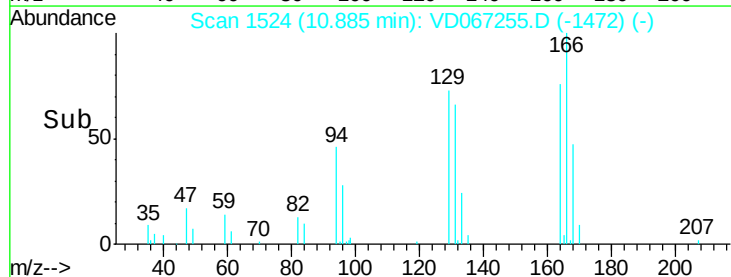
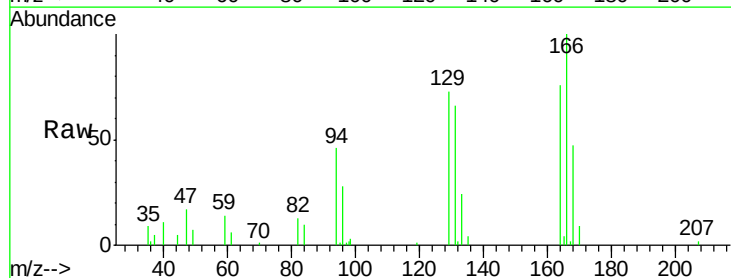
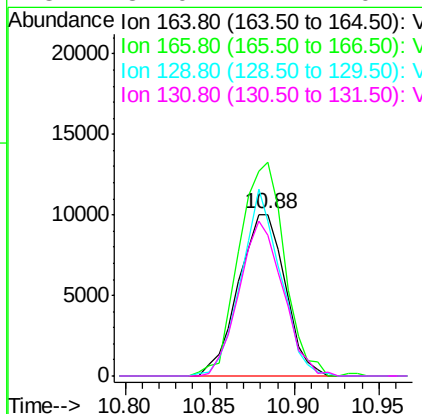
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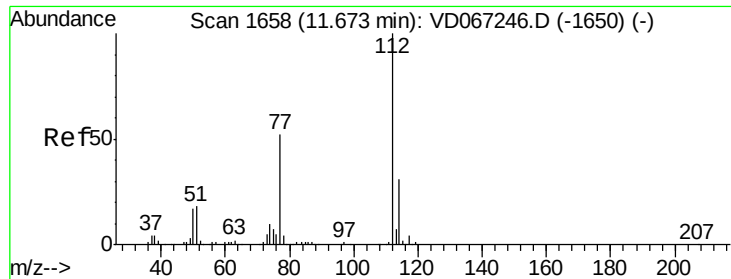
MMDadoda
10/14/2020 2:10:28 PM



#64
Tetrachloroethene
Concen: 5.426 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	19296		
166	132.0		107.3	160.9
129	96.0		77.3	115.9
131	87.0		71.4	107.2





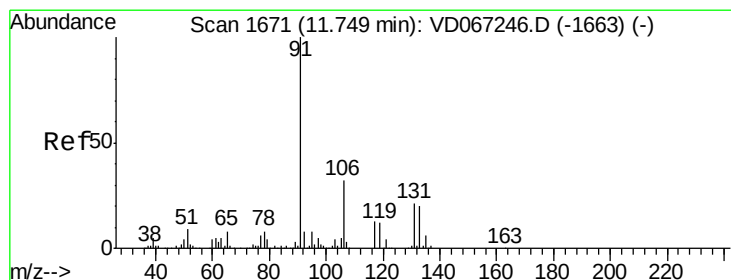
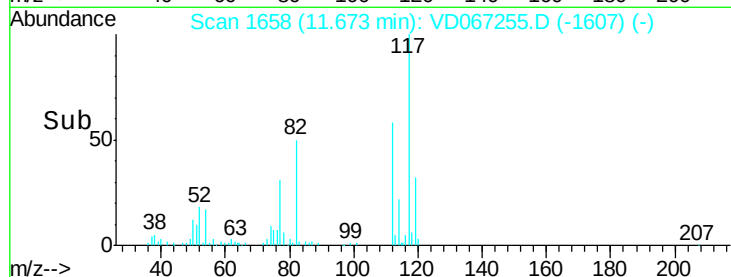
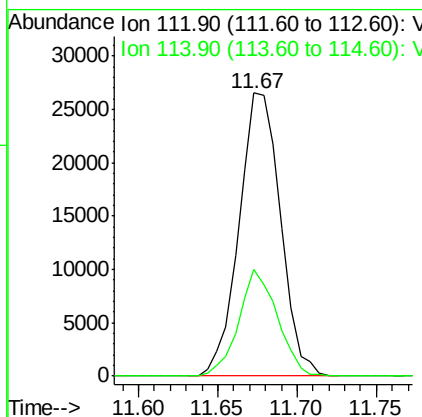
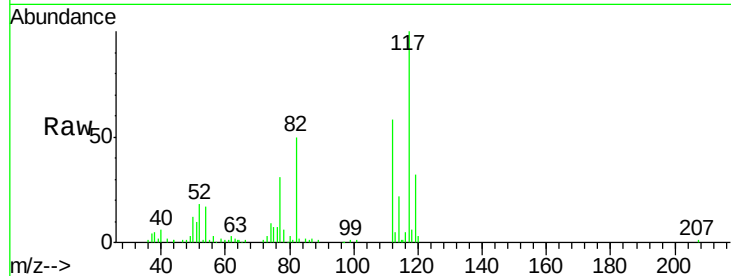
#65
Chlorobenzene
Concen: 5.120 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1016

Tot Ion:112 Resp: 48189
Ion Ratio Lower Upper
112 100
114 37.6 25.0 37.4#

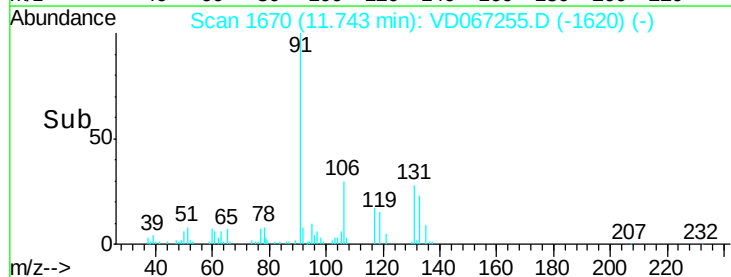
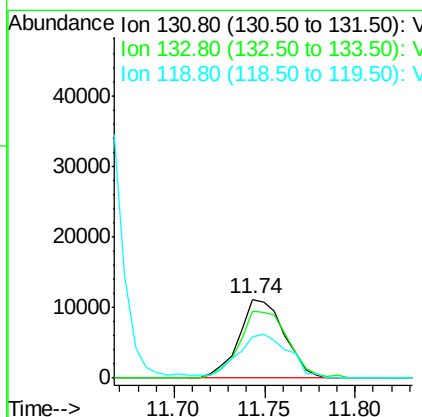
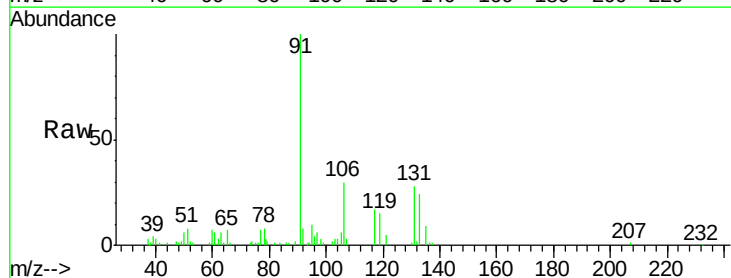
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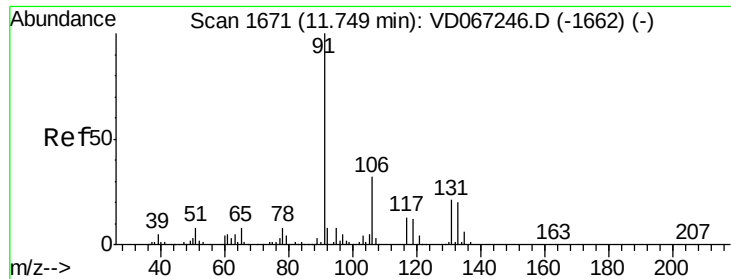
MMDadoda
10/14/2020 2:10:28 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.146 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion:131 Resp: 19252
Ion Ratio Lower Upper
131 100
133 92.5 48.1 144.3
119 62.7 30.0 90.0





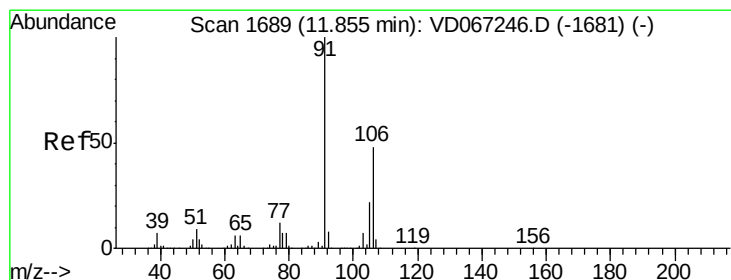
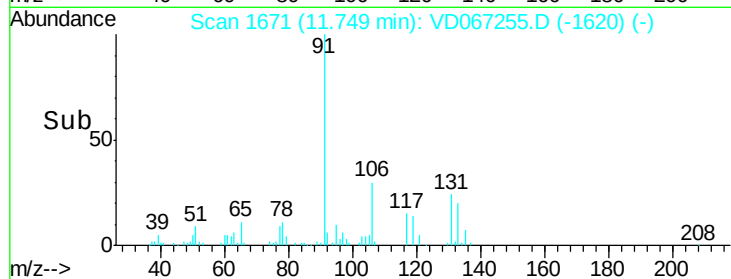
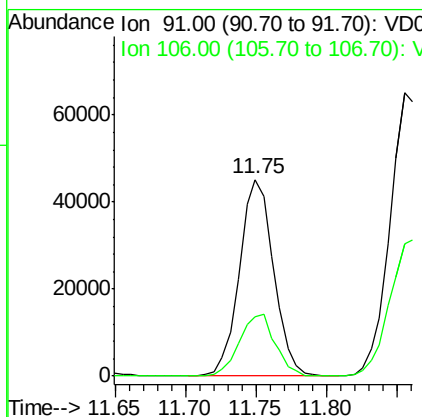
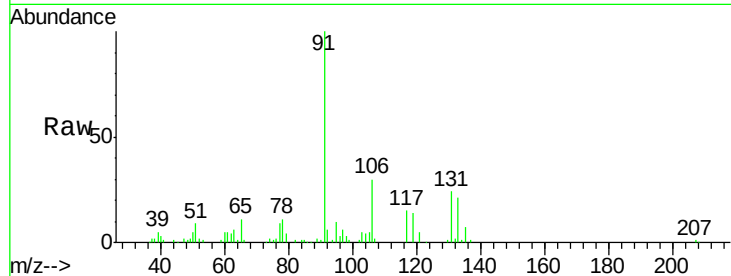
#67
Ethyl Benzene
Concen: 4.754 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1016

Tot Ion: 91 Resp: 76700
Ion Ratio Lower Upper
91 100
106 30.2 25.4 38.0

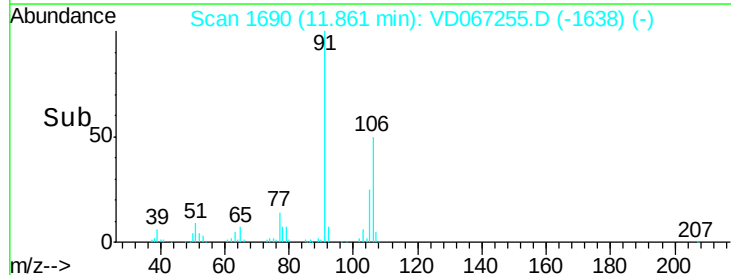
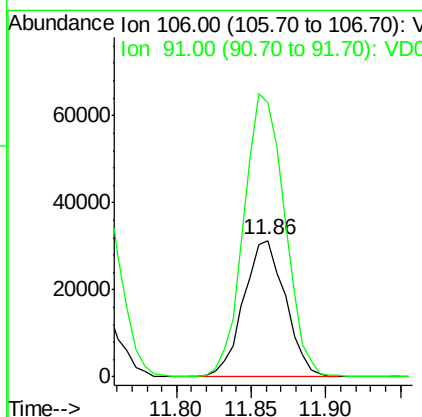
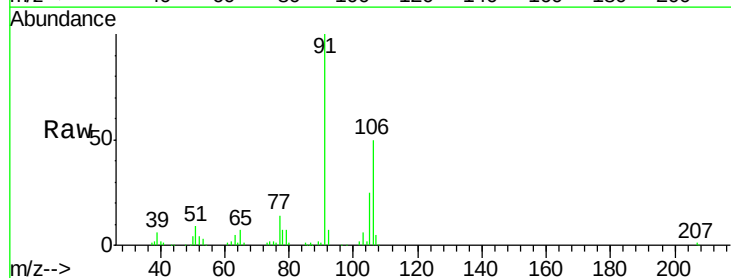
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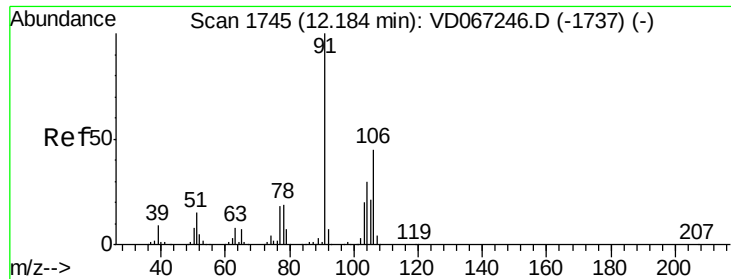
MMDadoda
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#68
m/p-Xylenes
Concen: 9.788 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion: 106 Resp: 60816
Ion Ratio Lower Upper
106 100
91 203.0 163.8 245.8





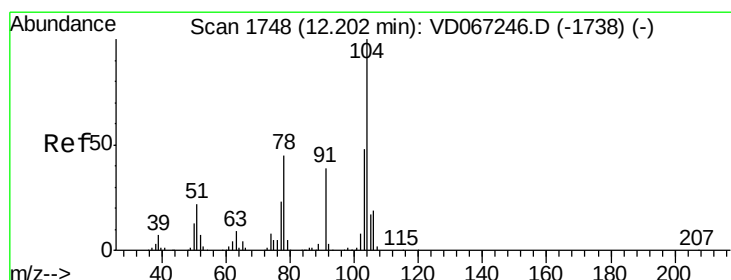
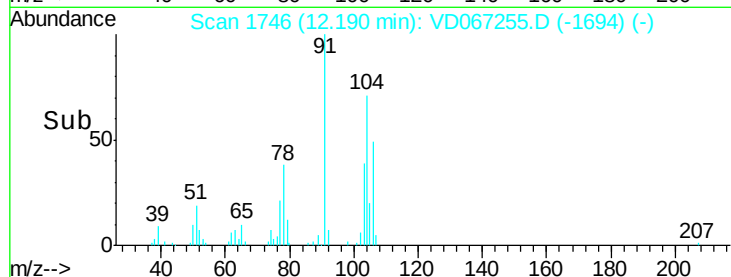
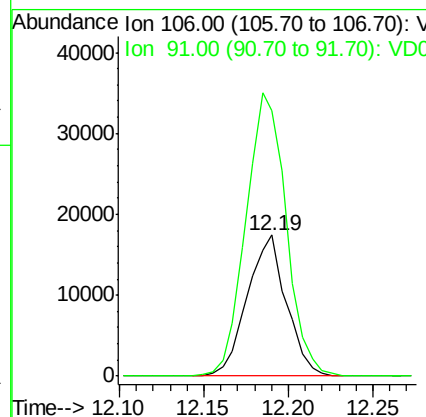
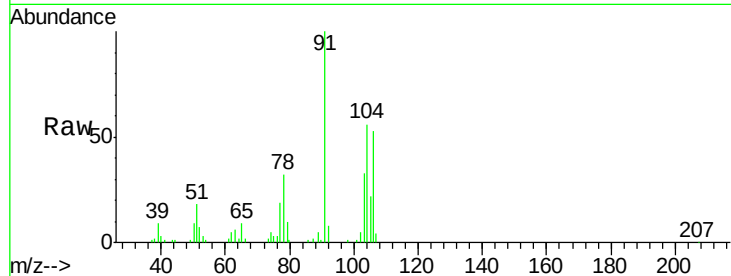
#69
o-Xylene
Concen: 4.890 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Instrument :
MSVOA_D
ClientSampled :
VD1016

Tot Ion:106 Resp: 28134
Ion Ratio Lower Upper
106 100
91 205.9 109.1 327.3

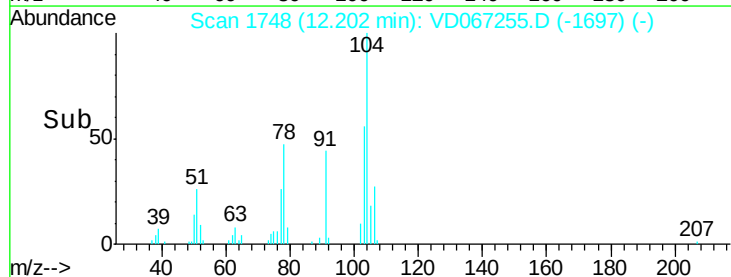
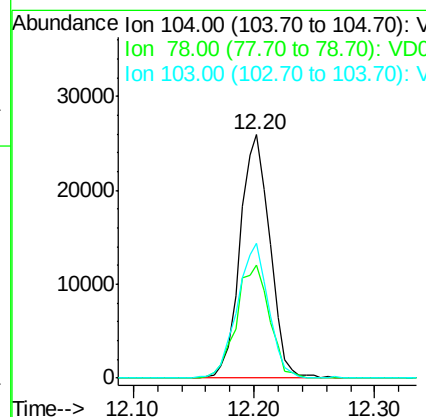
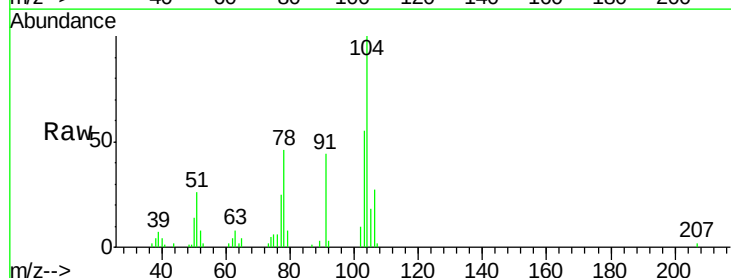
Manual Integrations
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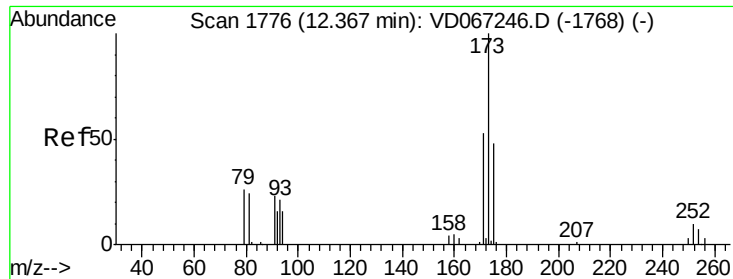
MMDadoda
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#70
Styrene
Concen: 4.510 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion:104 Resp: 44670
Ion Ratio Lower Upper
104 100
78 51.4 39.8 59.6
103 57.8 42.6 64.0





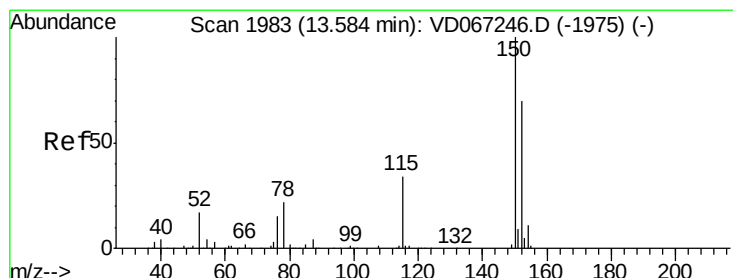
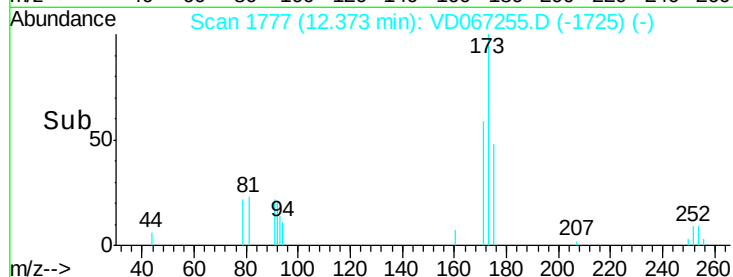
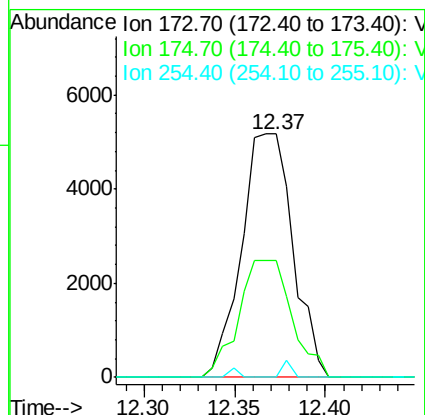
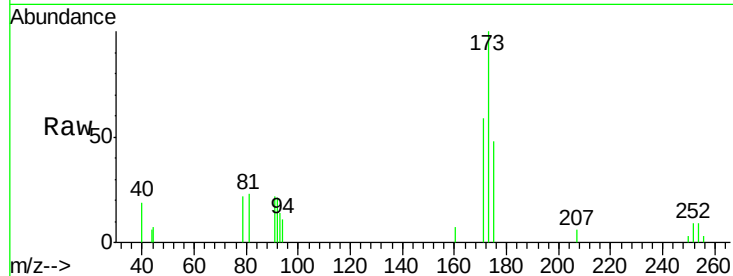
#71
Bromoform
Concen: 5.079 ug/l
RT: 12.37 min Scan# 1777
Delta R.T. 0.01 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1016

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.2	72.6
254	1.3	0.1	0.1#

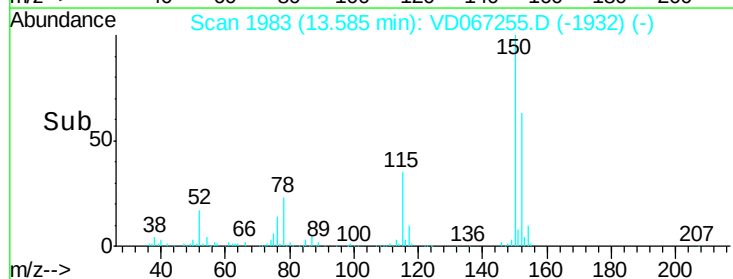
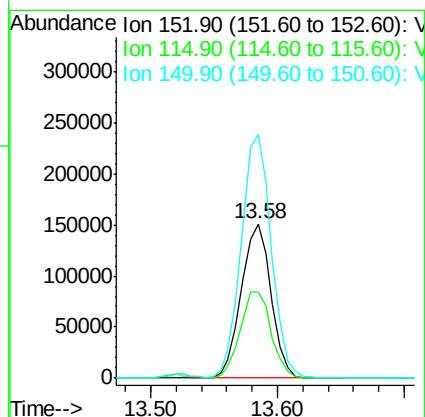
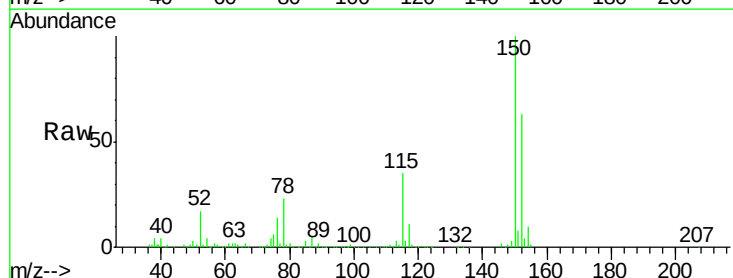
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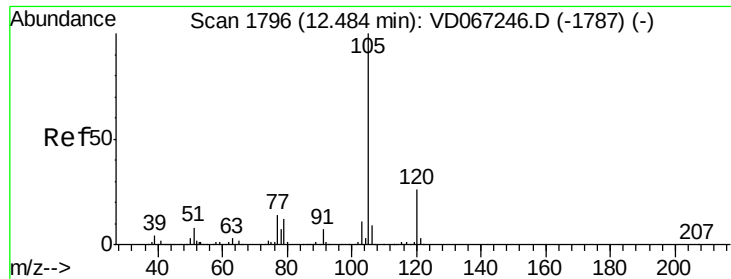
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	29.3	87.9
150	159.7	0.0	339.0





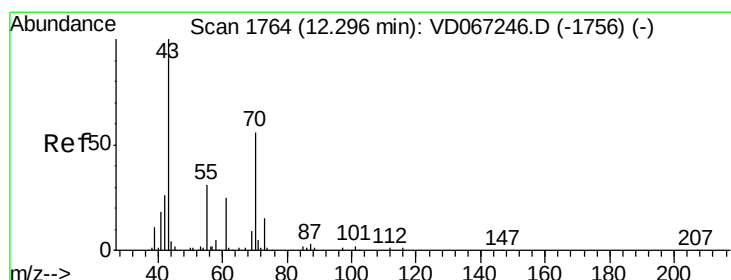
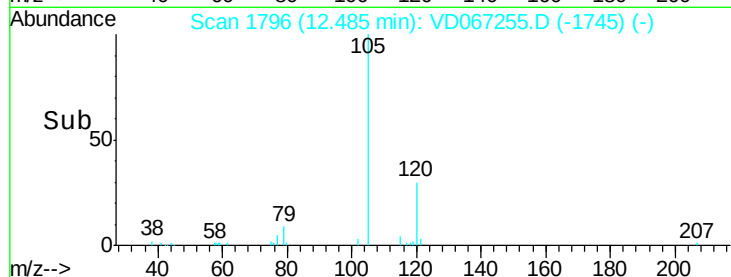
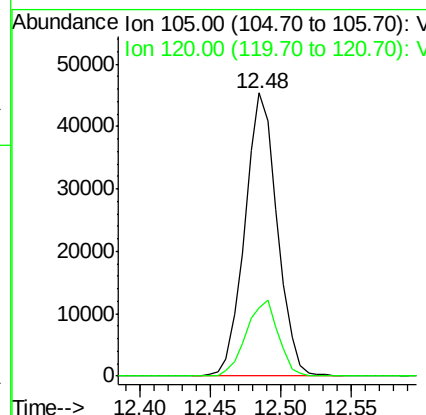
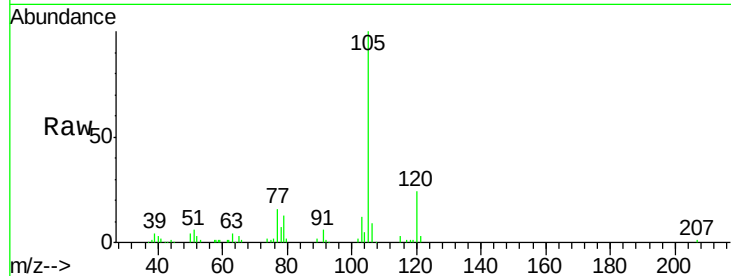
#73
Isopropylbenzene
Concen: 4.664 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1016

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.3	39.8

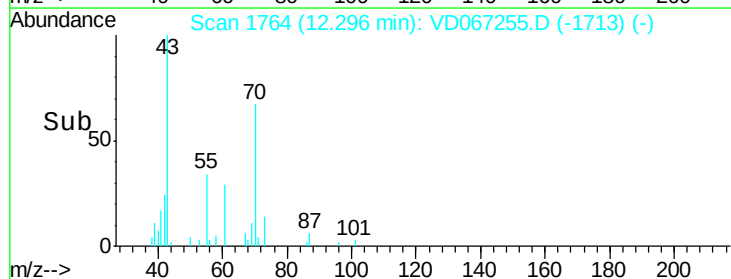
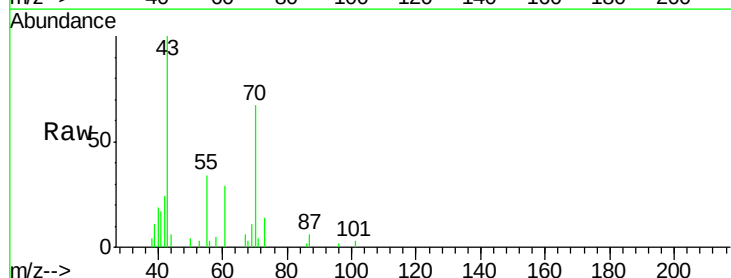
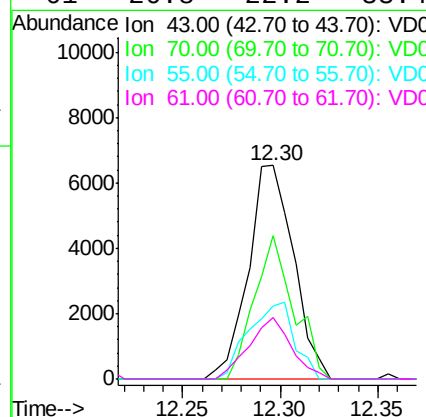
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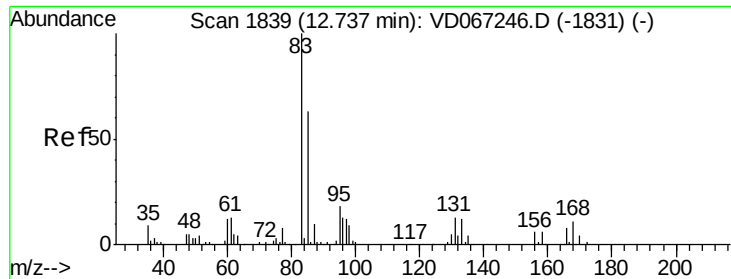
MMDadoda
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#74
N-ethyl acetate
Concen: 4.455 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion	Ratio	Lower	Upper
43	100		
70	58.2	42.7	64.1
55	36.4	24.0	36.0
61	26.8	22.2	33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 5.272 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

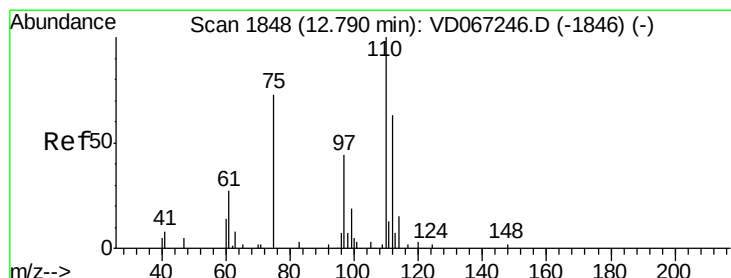
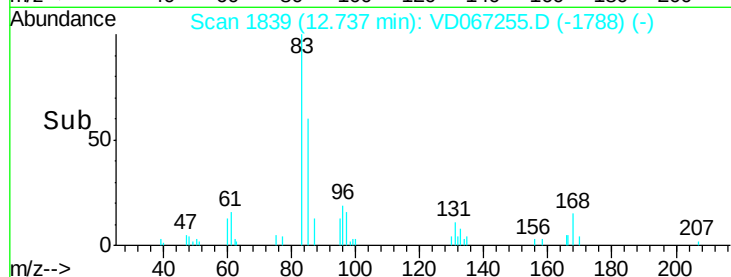
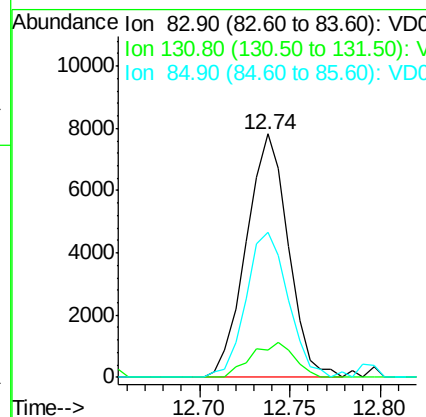
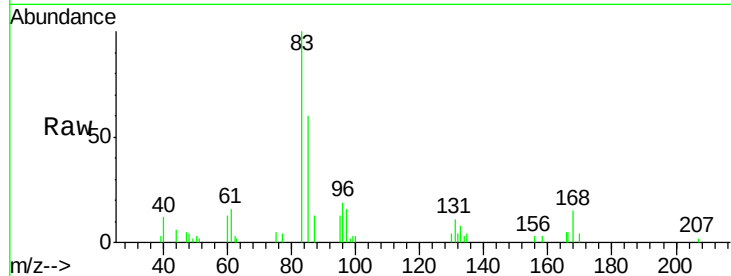
ClientSampleId :

VD1016

Tot Ion:	83	Resp:	12596
Ion Ratio	Lower	Upper	
83	100		
131	14.4	6.5	19.5
85	59.4	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 5.509 ug/l m

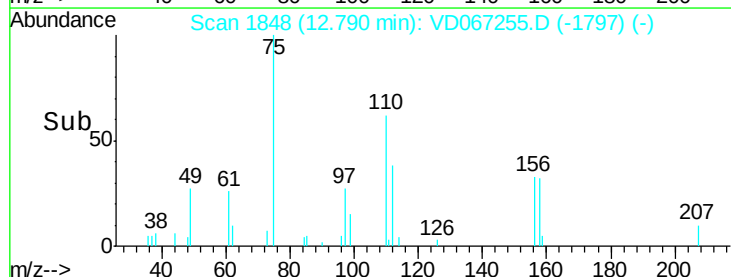
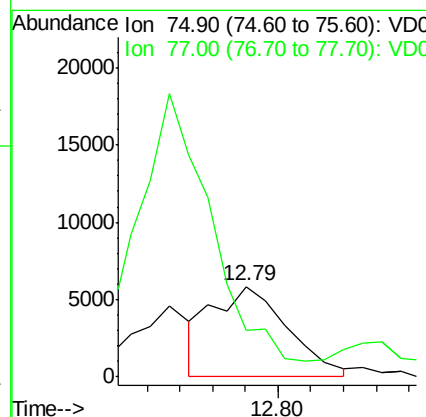
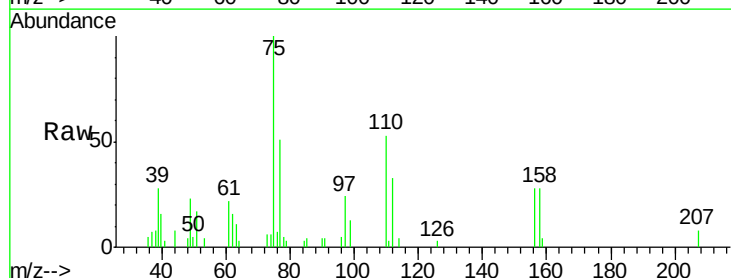
RT: 12.79 min Scan# 1848

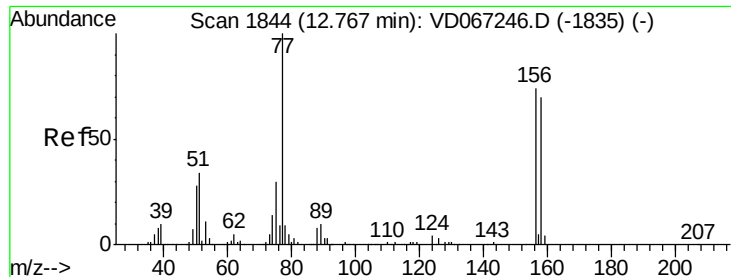
Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Tgt Ion:	75	Resp:	9381
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.257 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

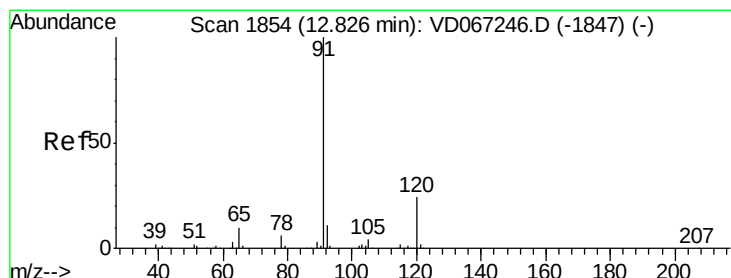
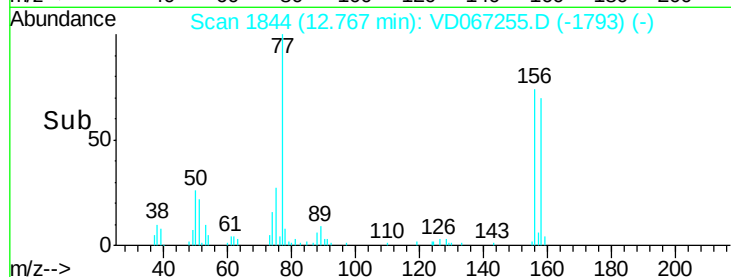
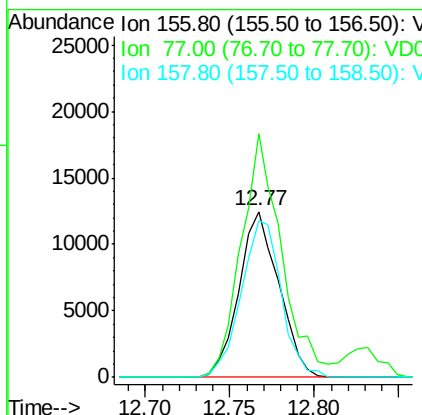
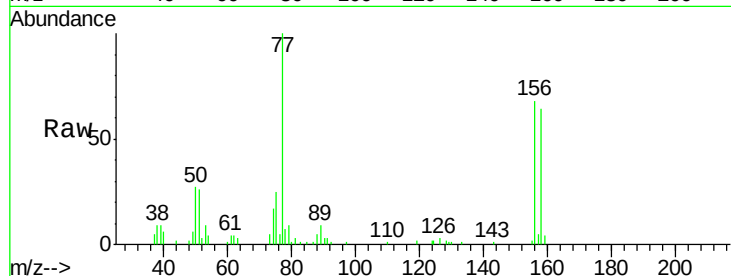
ClientSampleId :

VD1016

Tot Ion	Ratio	Lower	Upper
156	100		
77	148.8	78.0	233.8
158	95.3	49.1	147.3

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#78

n-propylbenzene

Concen: 4.929 ug/l

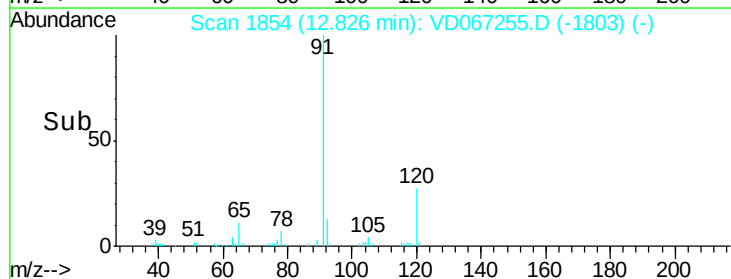
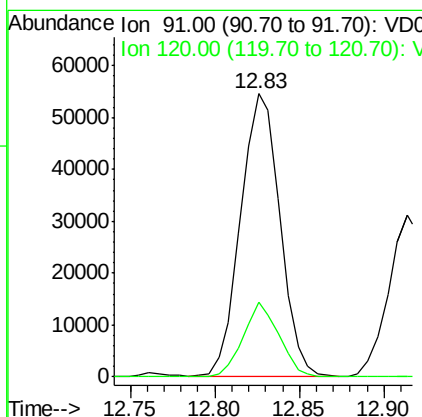
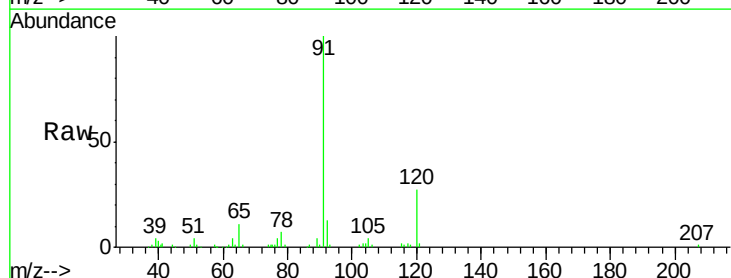
RT: 12.83 min Scan# 1854

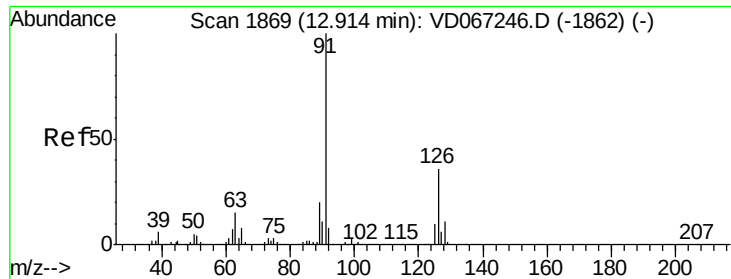
Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.9	35.9





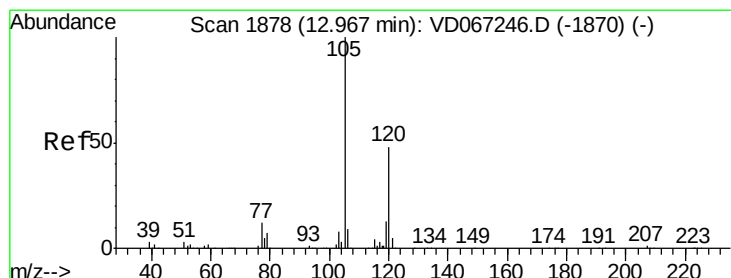
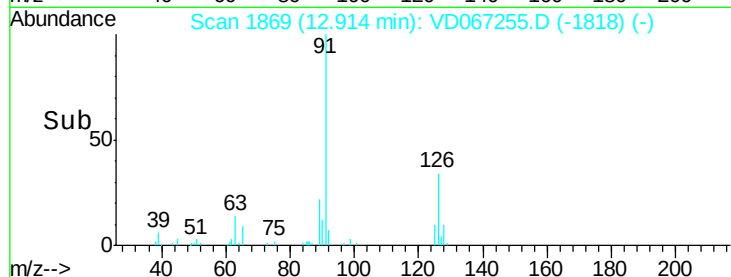
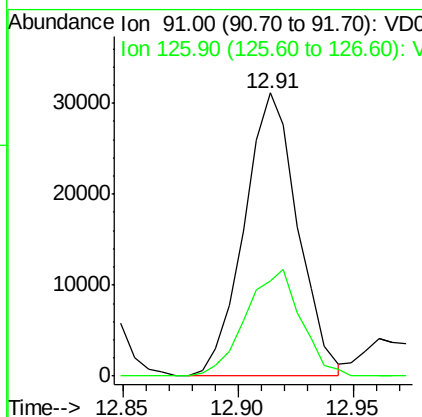
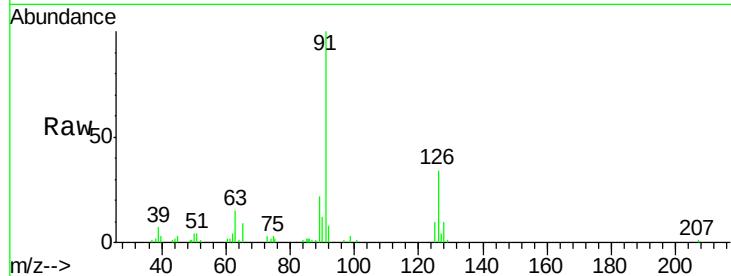
#79
 2-Chlorotoluene
 Concen: 4.804 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016

Tot Ion: 91 Resp: 50324
 Ion Ratio Lower Upper
 91 100
 126 38.5 17.6 52.8

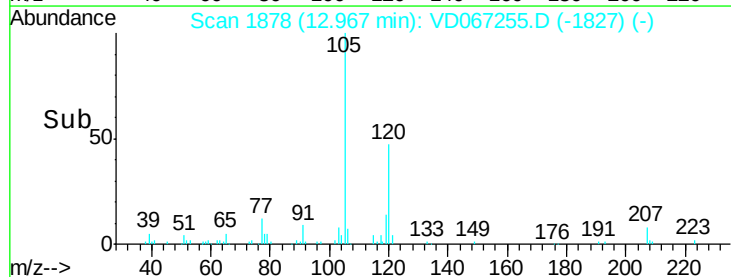
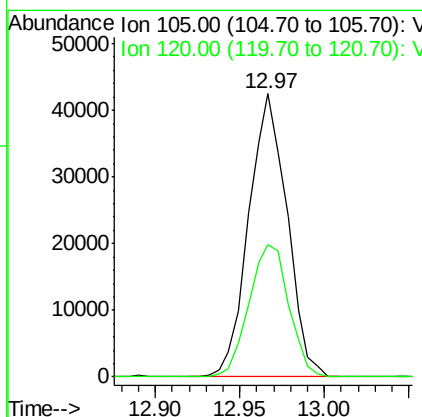
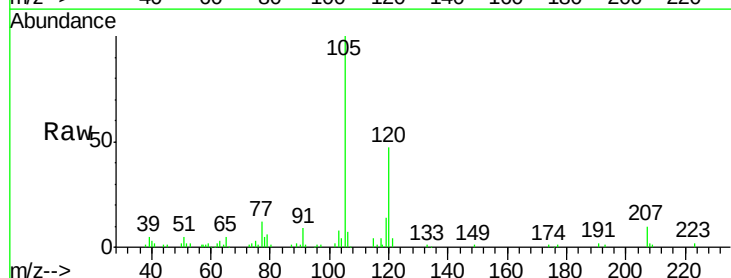
Manual Integrations
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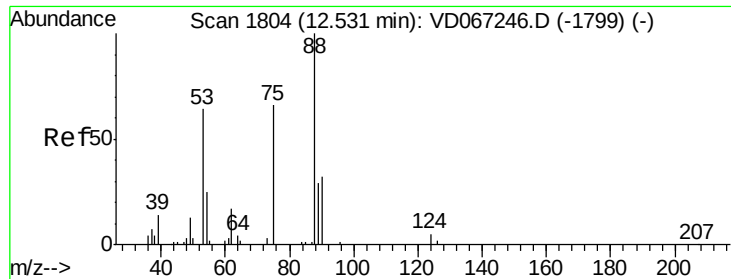
MMDadoda
 10/14/2020 2:10:28 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 4.939 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Tgt Ion: 105 Resp: 66915
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.3 72.8





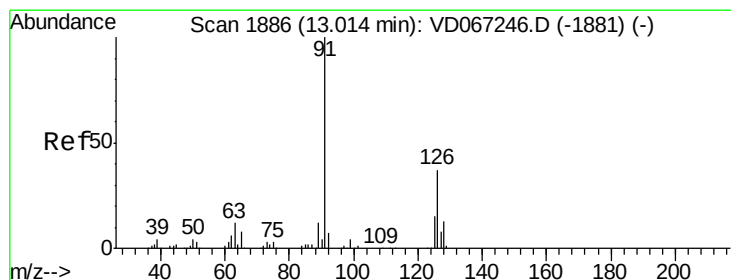
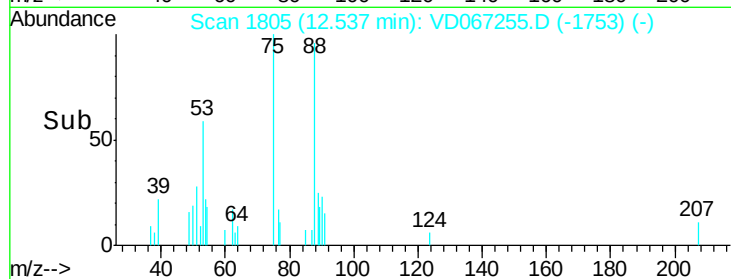
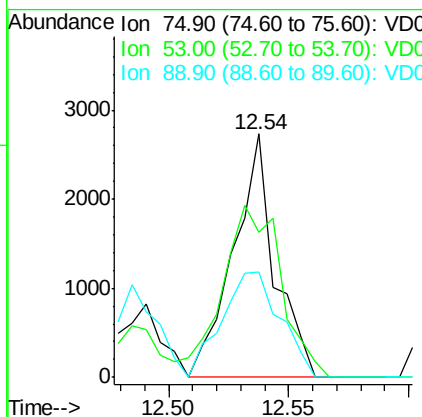
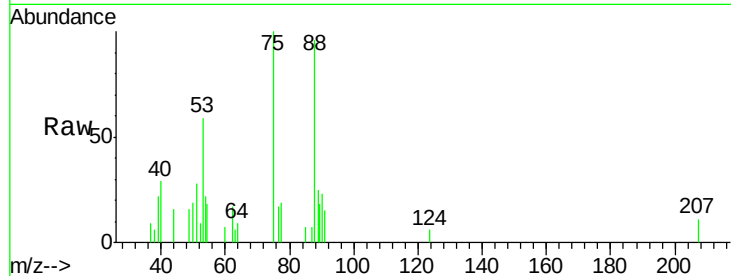
#81
trans-1,4-Dichloro-2-butene
Concen: 4.380 ug/l m
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1016

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	78.5	117.7#
89	0.0	39.9	59.9#

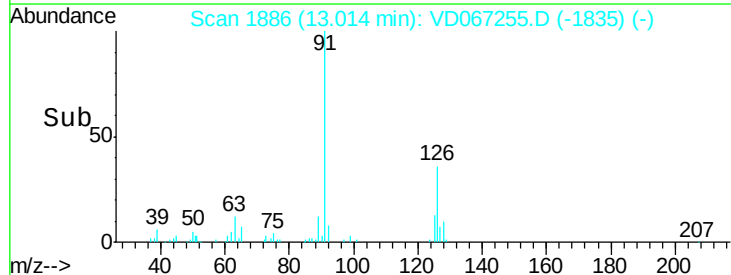
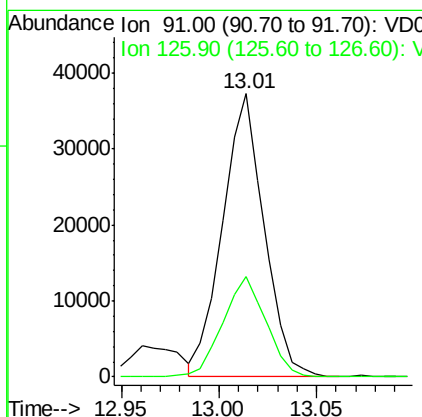
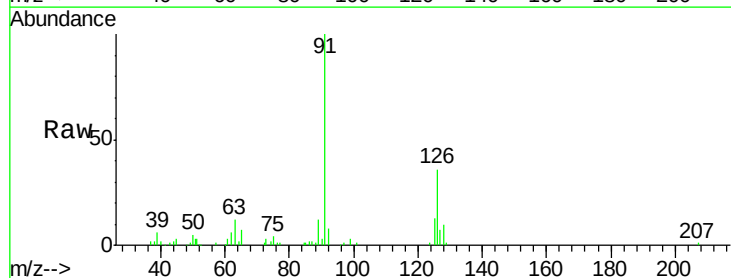
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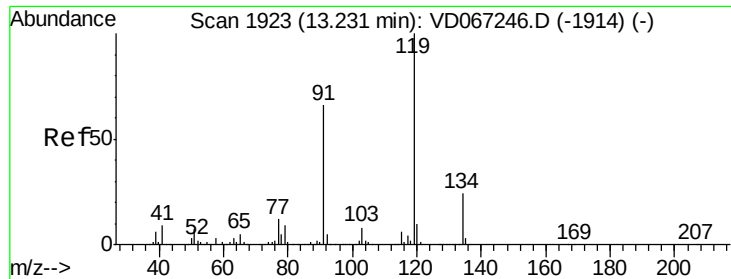
MMDadoda
10/14/2020 2:10:28 PM



#82
4-Chlorotoluene
Concen: 4.942 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.7	17.8	53.5





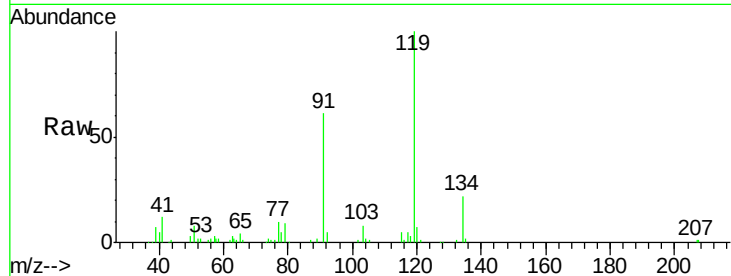
#83
tert-Butylbenzene
Concen: 4.873 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1016

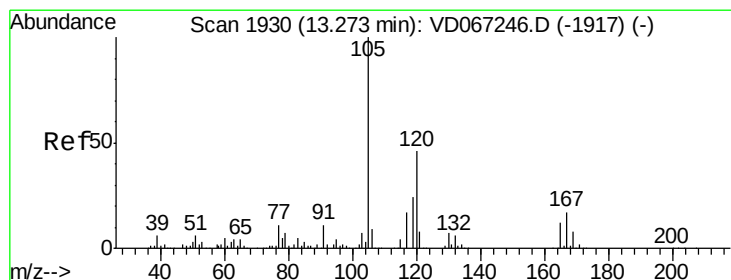
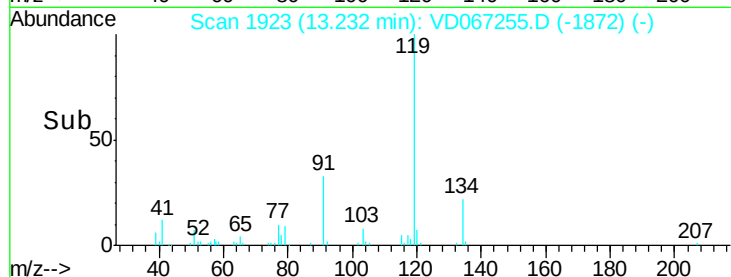
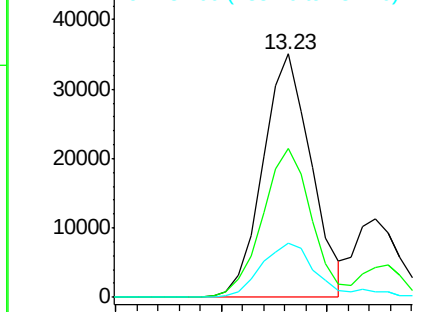
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.8	33.1	99.2
134	24.6	13.3	39.9

Manual Integrations
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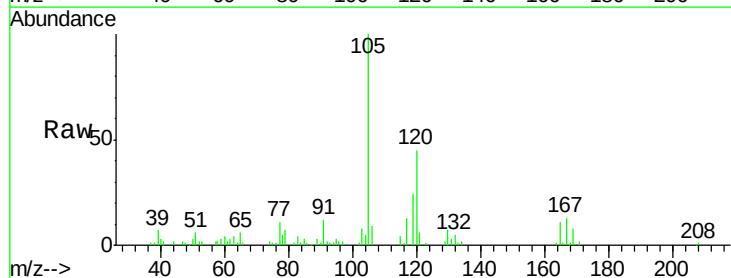


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

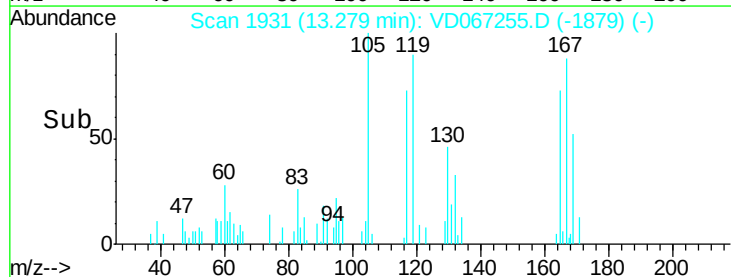
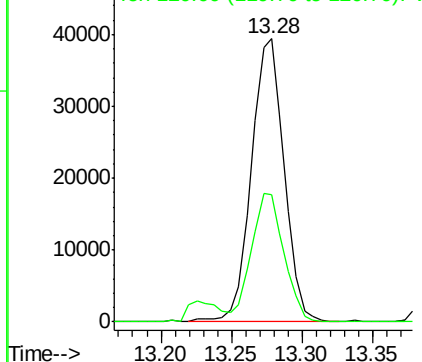


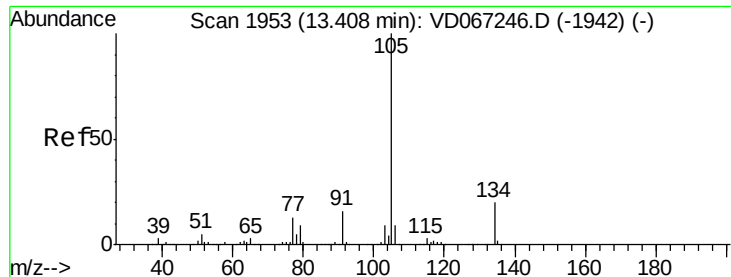
#84
1,2,4-Trimethylbenzene
Concen: 4.789 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.4	67.3



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





#85

sec-Butylbenzene

Concen: 4.811 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

Instrument :

MSVOA_D

ClientSampleID :

VD1016

Tot Ion:105 Resp: 75553

Ion Ratio Lower Upper

105 100

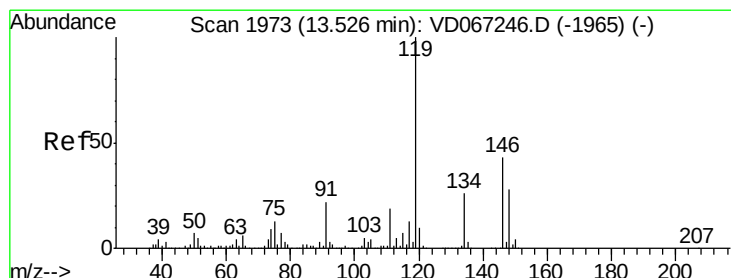
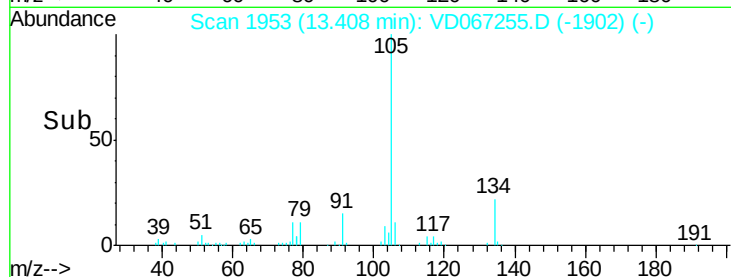
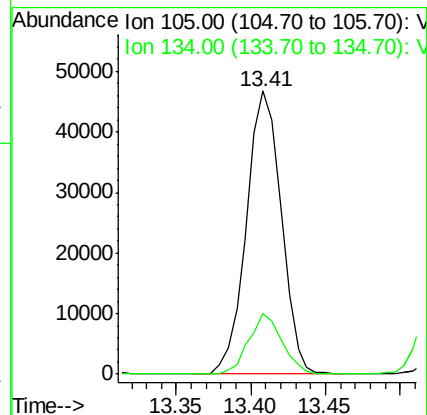
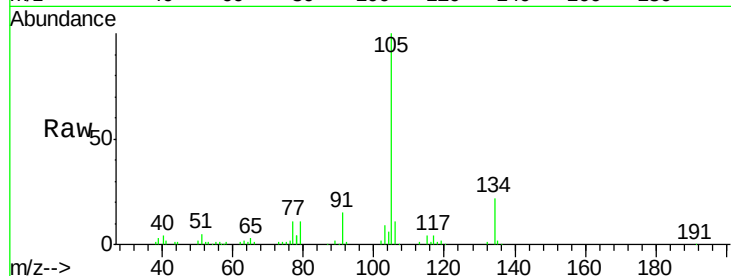
134 20.4 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 4.617 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD067255.D

Acq: 13 Oct 2020 16:36

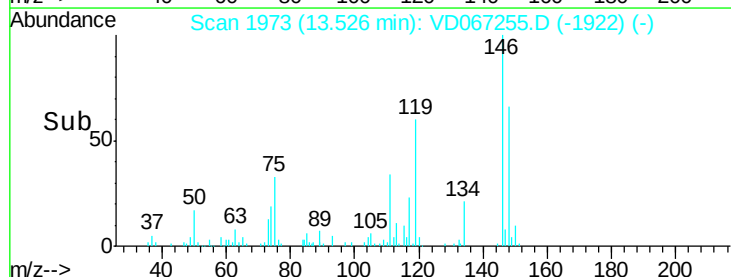
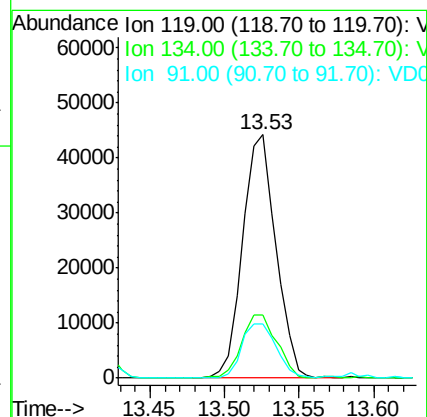
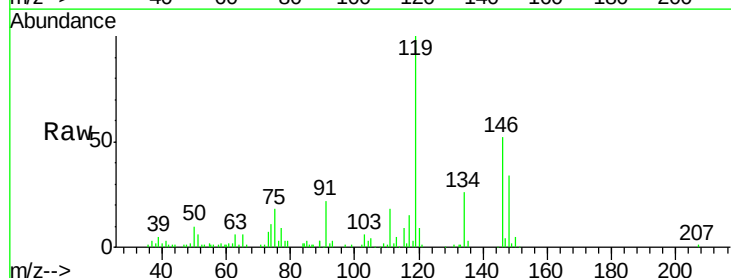
Tgt Ion:119 Resp: 68441

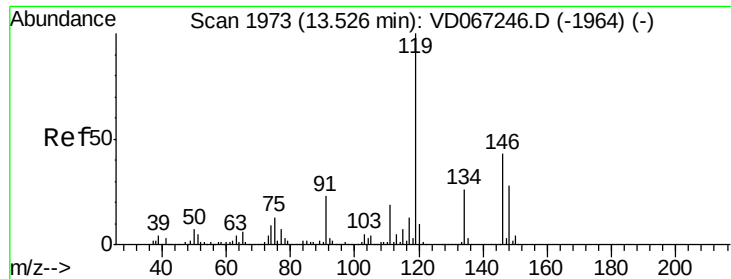
Ion Ratio Lower Upper

119 100

134 27.3 13.1 39.3

91 23.4 11.9 35.9





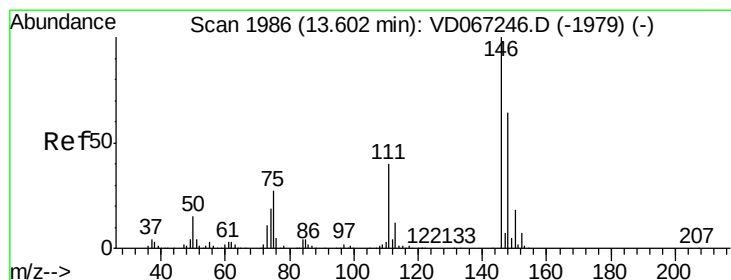
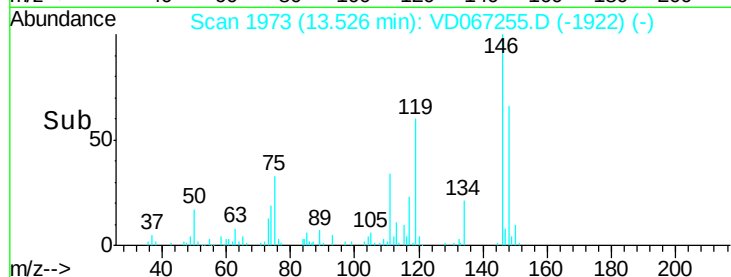
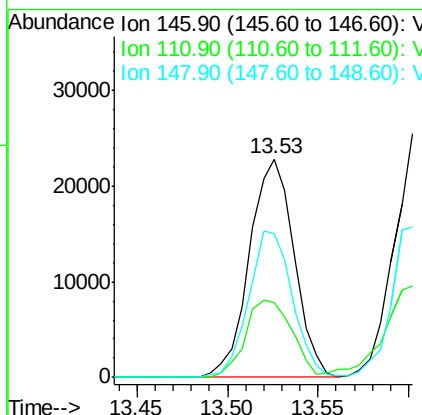
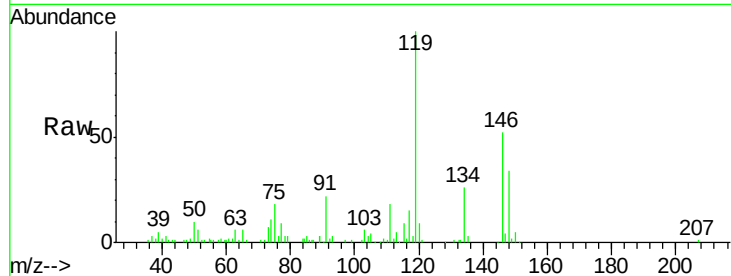
#87
 1,3-Dichlorobenzene
 Concen: 5.213 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	21.1	63.3
148	65.7	31.9	95.9

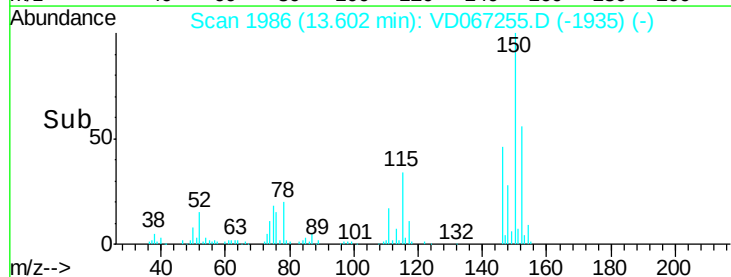
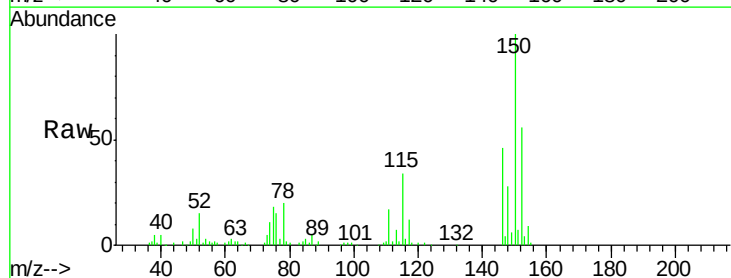
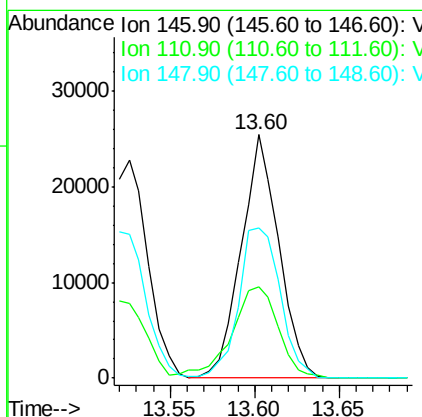
Manual Integrations
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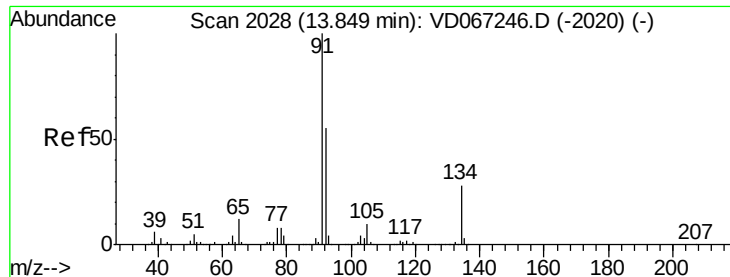
MMDadoda
 10/14/2020 2:10:28 PM



#88
 1,4-Dichlorobenzene
 Concen: 5.320 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.6	19.9	59.7
148	68.2	31.9	95.9





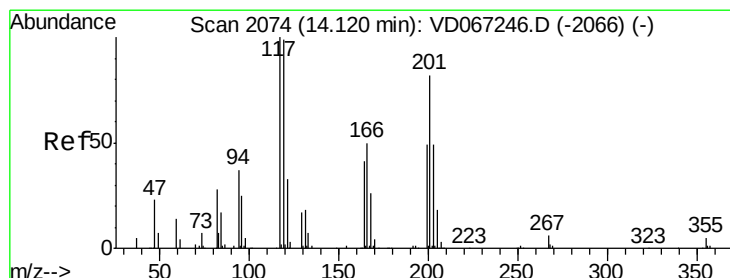
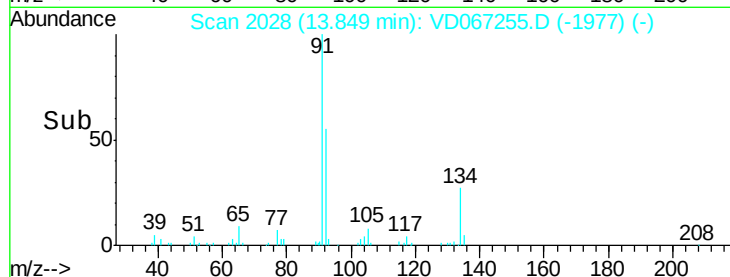
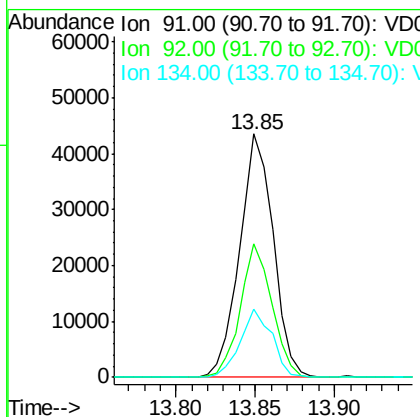
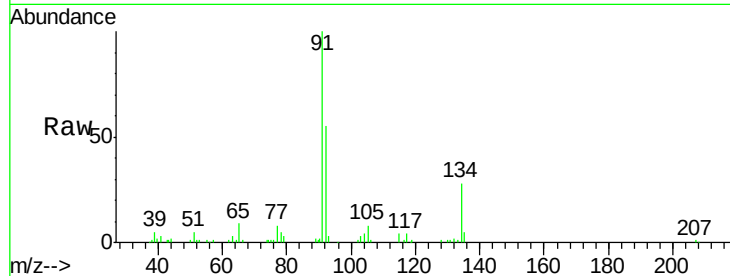
#89
n-Butylbenzene
Concen: 4.913 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1016

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.7	80.0
134	26.6	14.2	42.6

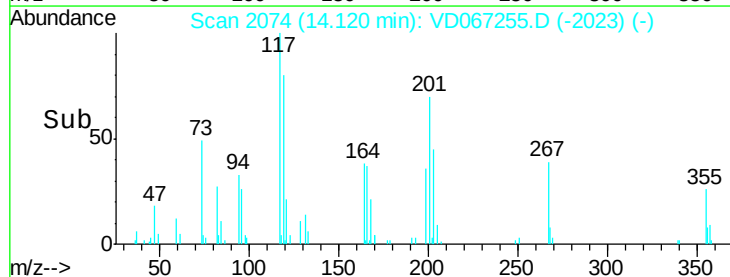
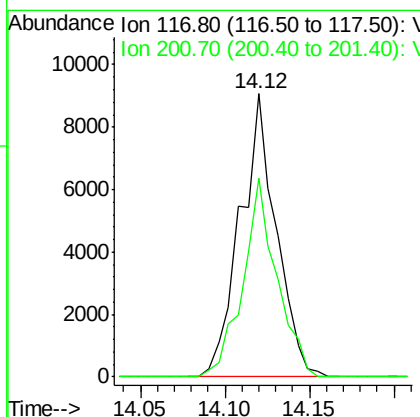
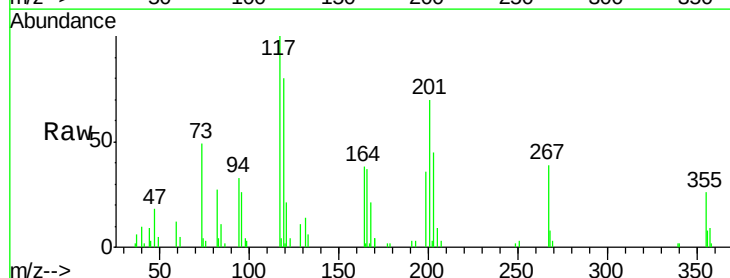
Manual Integrations
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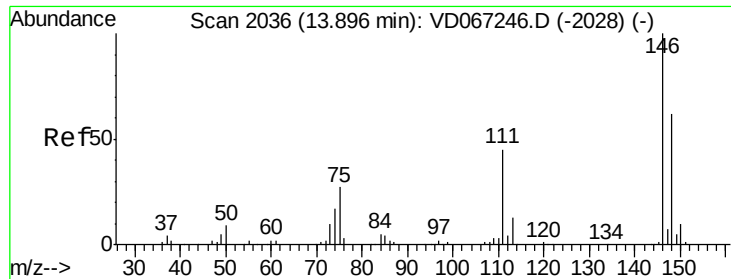
MMDadoda
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#90
Hexachloroethane
Concen: 5.200 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.1	40.8	122.2





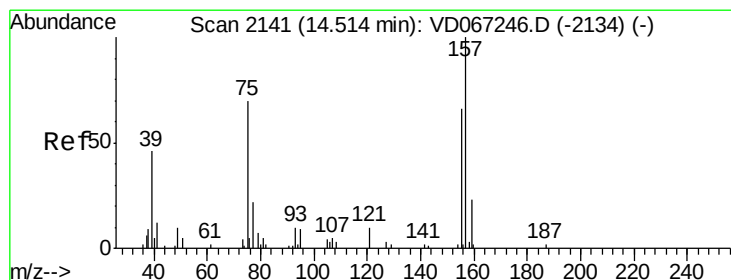
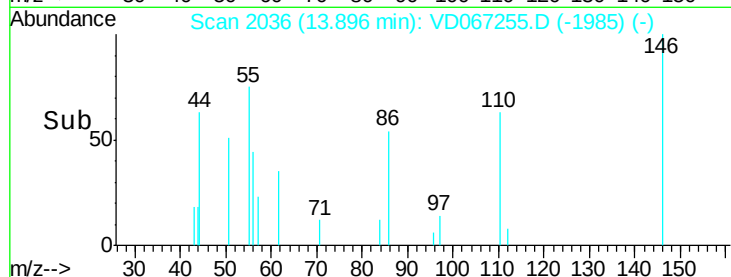
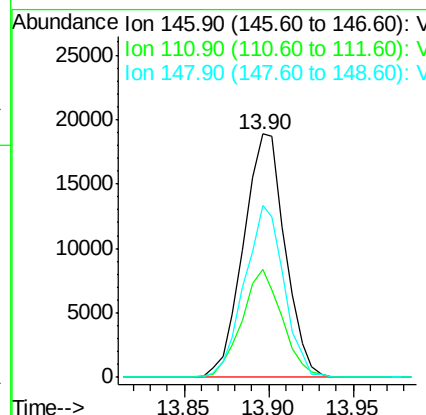
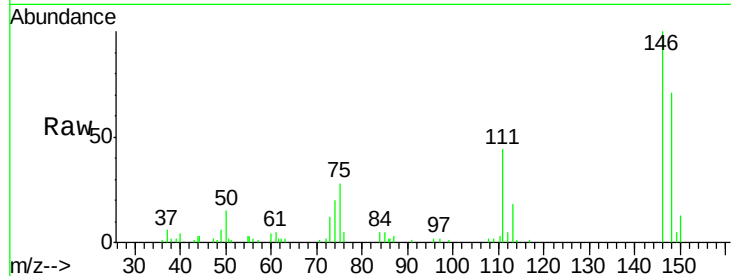
#91
 1,2-Dichlorobenzene
 Concen: 4.969 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.0	66.0
148	66.4	32.5	97.5

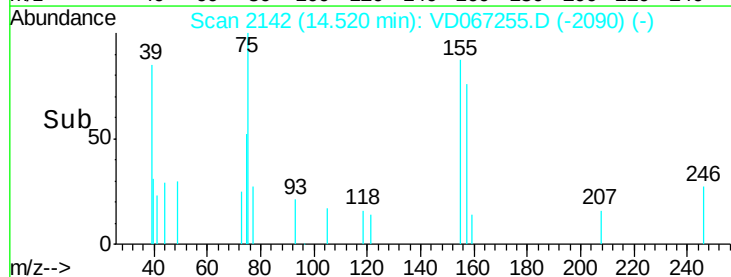
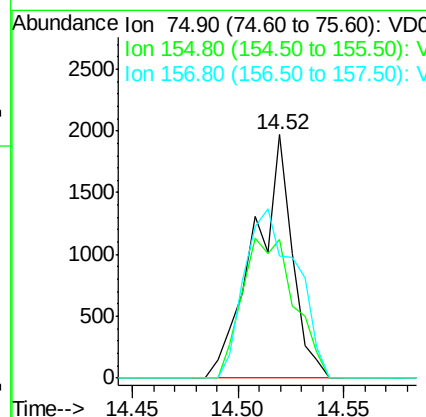
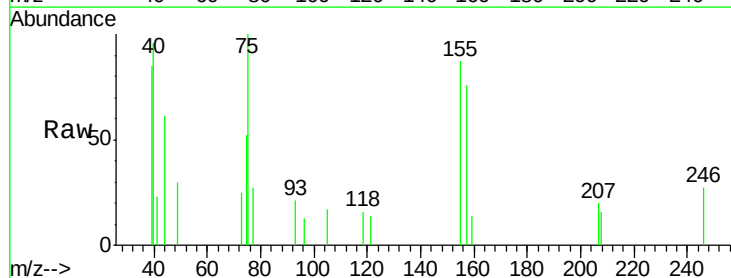
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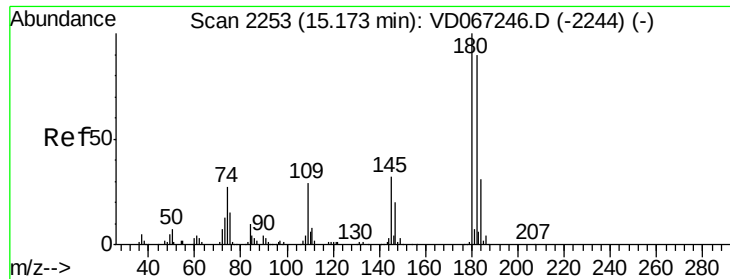
MMDadoda
 10/14/2020 2:10:28 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.643 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.7	44.8	134.4
157	95.0	62.5	187.4





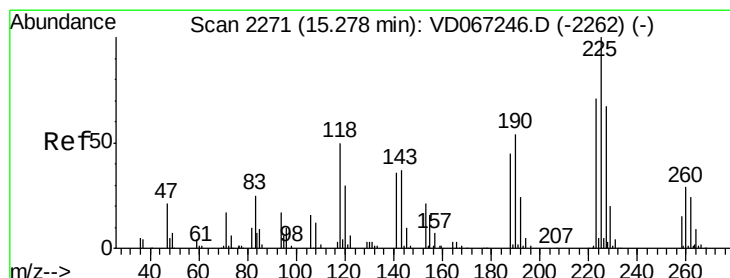
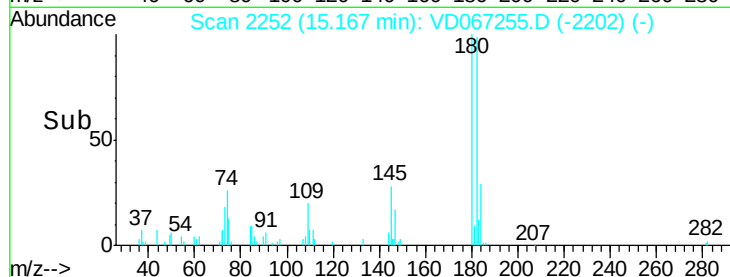
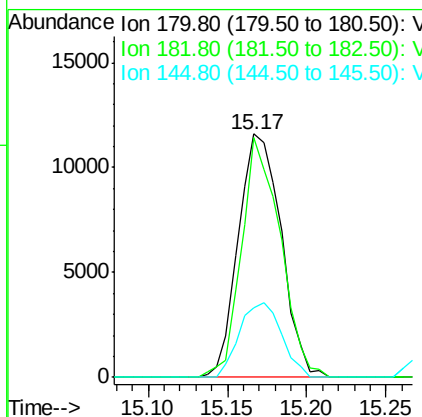
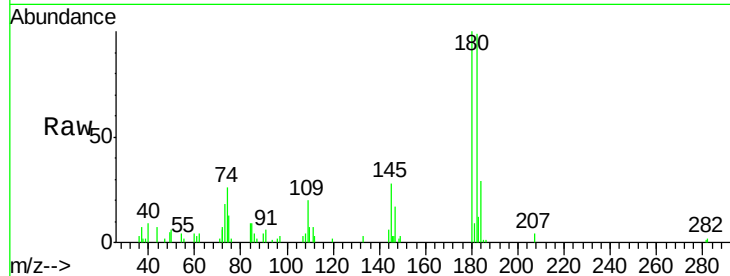
#93
 1,2,4-Trichlorobenzene
 Concen: 4.945 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.3	48.1	144.4
145	30.1	16.3	48.9

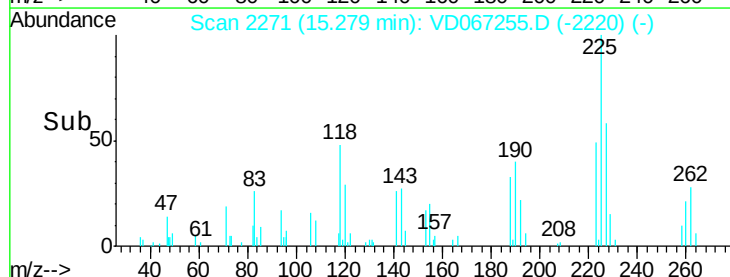
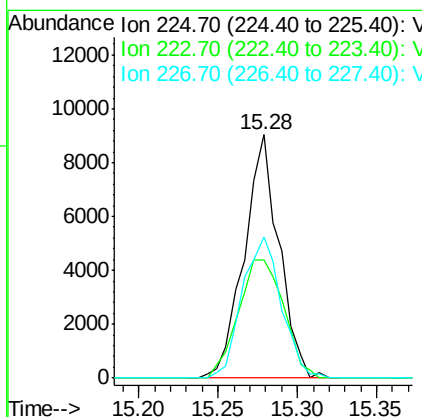
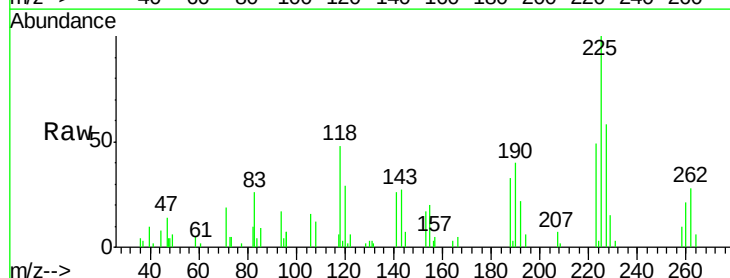
Manual Integrations
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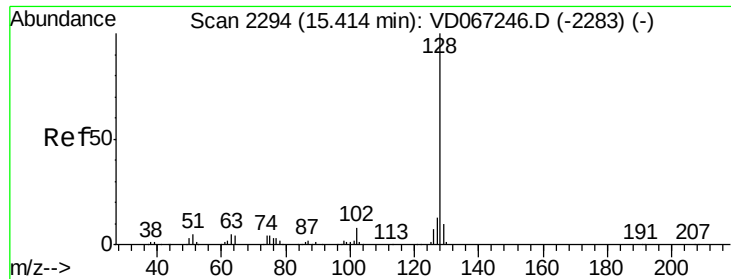
MMDadoda
 10/14/2020 2:10:28 PM



#94
 Hexachlorobutadiene
 Concen: 5.047 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD067255.D
 Acq: 13 Oct 2020 16:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.9	95.7
227	65.1	31.2	93.6





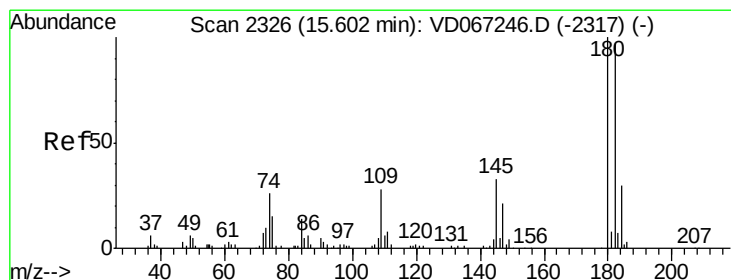
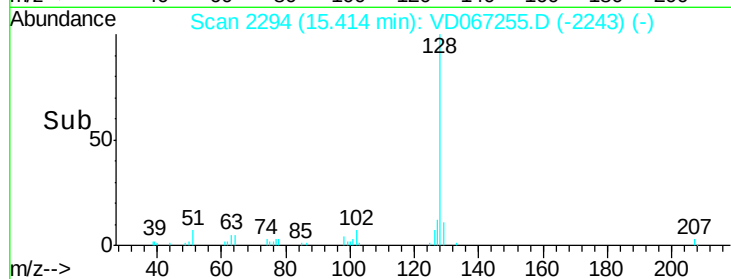
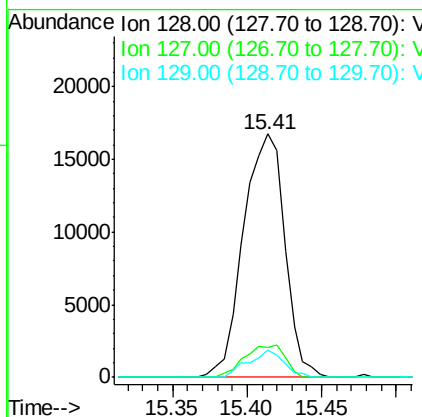
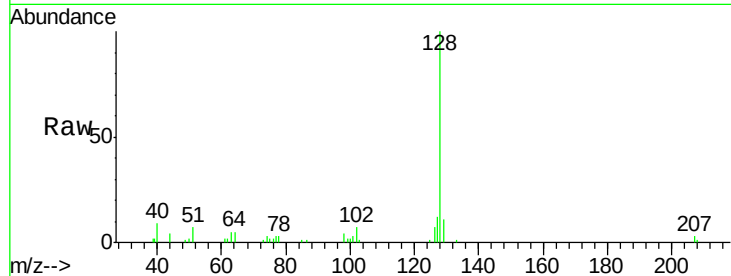
#95
Naphthalene
Concen: 4.432 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1016

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	9.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/14/2020 2:10:28 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.851 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067255.D
Acq: 13 Oct 2020 16:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.2	48.1	144.3
145	32.5	17.3	51.9

