

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067254.D
 Acq On : 13 Oct 2020 16:09
 Operator : VA/SY
 Sample : L4214-01 4PPBLOD
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:10:26 PM

Quant Time: Oct 14 03:27:38 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	330716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	531106	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	496791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	250200	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	178389	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	
35) Dibromofluoromethane	7.92	113	184246	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
50) Toluene-d8	10.34	98	662098	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
62) 4-Bromofluorobenzene	12.64	95	232167	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	14483	4.828	ug/l	99
3) Chloromethane	2.21	50	10235	4.917	ug/l	91
4) Vinyl Chloride	2.34	62	10788	4.724	ug/l	91
5) Bromomethane	2.77	94	9421	5.336	ug/l #	77
6) Chloroethane	2.92	64	6739	4.738	ug/l	92
7) Trichlorofluoromethane	3.27	101	25371	4.412	ug/l	94
8) Diethyl Ether	3.70	74	5641	4.287	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	4.09	101	14189	4.644	ug/l	94
10) Methyl Iodide	4.31	142	11991	4.255	ug/l #	96
11) Tert butyl alcohol	5.18	59	11013m	45.769	ug/l	
12) 1,1-Dichloroethene	4.07	96	12821	4.697	ug/l	85
13) Acrolein	3.92	56	3276	19.108	ug/l	90
14) Allyl chloride	4.72	41	12959	4.146	ug/l #	71
15) Acrylonitrile	5.44	53	9761m	22.231	ug/l	
16) Acetone	4.16	43	9870	21.270	ug/l #	86
17) Carbon Disulfide	4.41	76	35753	4.595	ug/l	96
18) Methyl Acetate	4.72	43	6174	5.833	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	22428	4.132	ug/l	100
20) Methylene Chloride	4.96	84	29010	8.291	ug/l #	86
21) trans-1,2-Dichloroethene	5.47	96	14914	4.748	ug/l	94
22) Diisopropyl ether	6.36	45	23293	4.079	ug/l #	85
23) Vinyl Acetate	6.31	43	44506	13.700	ug/l	97
24) 1,1-Dichloroethane	6.26	63	22194	4.541	ug/l	98
25) 2-Butanone	7.21	43	11987	22.662	ug/l #	76
26) 2,2-Dichloropropane	7.20	77	22804	4.526	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	17358	5.042	ug/l	94
28) Bromochloromethane	7.56	49	7677	4.605	ug/l	99
29) Tetrahydrofuran	7.57	42	6283	21.369	ug/l #	84
30) Chloroform	7.71	83	27412	4.695	ug/l	97
31) Cyclohexane	7.99	56	21198	5.555	ug/l #	65
32) 1,1,1-Trichloroethane	7.90	97	26775	4.674	ug/l	100
36) 1,1-Dichloropropene	8.12	75	19031	4.228	ug/l	95
37) Ethyl Acetate	7.30	43	5727	4.324	ug/l #	68
38) Carbon Tetrachloride	8.10	117	24905	4.329	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	19414	4.125	ug/l	96
40) Benzene	8.36	78	57260	4.637	ug/l	97
41) Methacrylonitrile	7.54	41	3919	5.476	ug/l #	35
42) 1,2-Dichloroethane	8.43	62	16591	4.293	ug/l	96
43) Isopropyl Acetate	8.45	43	10109	3.847	ug/l #	87
44) Trichloroethene	9.11	130	17514	4.430	ug/l	97
45) 1,2-Dichloropropane	9.38	63	12112	4.232	ug/l	89
46) Dibromomethane	9.47	93	7488	4.199	ug/l	97
47) Bromodichloromethane	9.67	83	19949	4.176	ug/l #	88
48) Methyl methacrylate	9.46	41	5170	4.048	ug/l	92
49) 1,4-Dioxane	9.47	88	1652	88.017	ug/l #	76
51) 4-Methyl-2-Pentanone	10.23	43	25787	19.673	ug/l	96
52) Toluene	10.40	92	38713	4.603	ug/l	95
53) t-1,3-Dichloropropene	10.63	75	16817	4.007	ug/l	88
54) cis-1,3-Dichloropropene	10.09	75	19453	3.961	ug/l	89
55) 1,1,2-Trichloroethane	10.80	97	10144	4.172	ug/l #	91
56) Ethyl methacrylate	10.66	69	9630	3.819	ug/l	95
57) 1,3-Dichloropropane	10.95	76	17023	4.399	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	25844	19.977	ug/l	100
59) 2-Hexanone	10.98	43	17433	19.463	ug/l	98
60) Dibromochloromethane	11.14	129	14088	3.973	ug/l	93
61) 1,2-Dibromoethane	11.25	107	10893	4.544	ug/l	92
64) Tetrachloroethene	10.88	164	17226	4.786	ug/l #	89
65) Chlorobenzene	11.67	112	42042	4.413	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	16325	4.312	ug/l	99
67) Ethyl Benzene	11.75	91	67366	4.125	ug/l	97
68) m/p-Xylenes	11.86	106	52052	8.277	ug/l	96
69) o-Xylene	12.18	106	22755	3.908	ug/l	93
70) Styrene	12.20	104	40131	4.003	ug/l	98
71) Bromoform	12.37	173	8839	4.345	ug/l #	94
73) Isopropylbenzene	12.48	105	61305	3.861	ug/l	96
74) N-amyl acetate	12.29	43	9806	4.089	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.74	83	10305	4.235	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	9620m	5.547	ug/l	
77) Bromobenzene	12.77	156	18020	4.552	ug/l	94
78) n-propylbenzene	12.83	91	76540	4.160	ug/l	98
79) 2-Chlorotoluene	12.91	91	44311	4.153	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	53464	3.874	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	2970m	3.884	ug/l	
82) 4-Chlorotoluene	13.01	91	46971	4.148	ug/l	98
83) tert-Butylbenzene	13.23	119	47931	4.112	ug/l	95
84) 1,2,4-Trimethylbenzene	13.28	105	51602	3.784	ug/l	99
85) sec-Butylbenzene	13.41	105	64043	4.004	ug/l	97
86) p-Isopropyltoluene	13.53	119	58411	3.869	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	33238	4.362	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	35517	4.705	ug/l	94
89) n-Butylbenzene	13.85	91	51371	3.868	ug/l	98
90) Hexachloroethane	14.12	117	10197	3.871	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	29485	4.429	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	2121	4.798	ug/l	81

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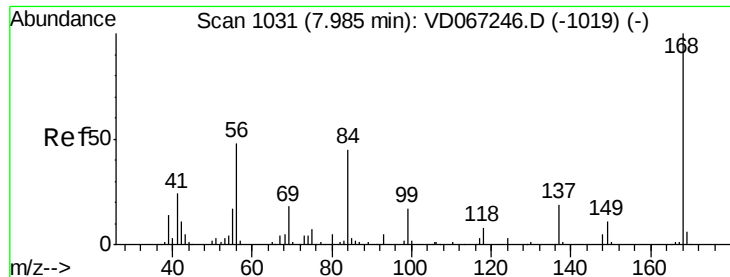
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	18891	4.209	ug/l	92
94) Hexachlorobutadiene	15.28	225	12050	4.324	ug/l	92
95) Naphthalene	15.42	128	25612	3.476	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	16289	4.201	ug/l	93

(#) = 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: VD067254.D

Acq: 13 Oct 2020 16:09

Instrument :

MSVOA_D

ClientSampleId :

VD1015

Tot Ion:168 Resp: 330716

Ion Ratio Lower Upper

168 100

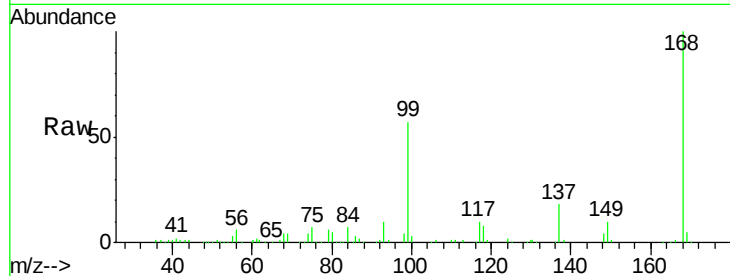
99 56.5 45.9 68.9

Manual Integrations

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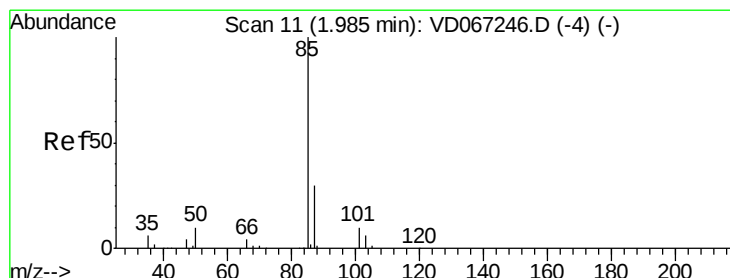
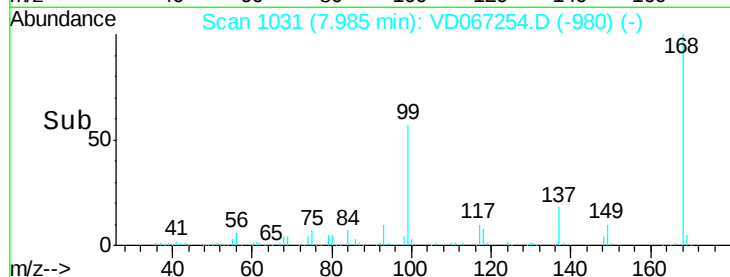
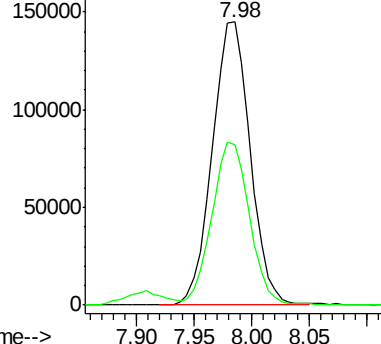
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 4.828 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067254.D

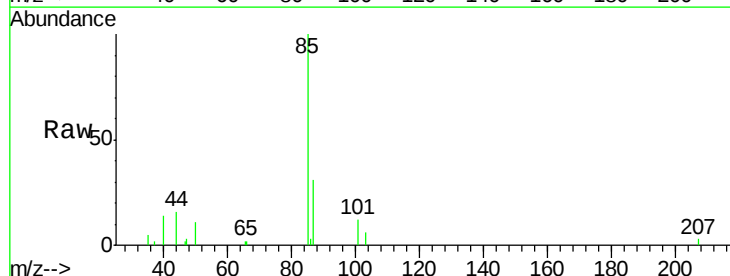
Acq: 13 Oct 2020 16:09

Tgt Ion: 85 Resp: 14483

Ion Ratio Lower Upper

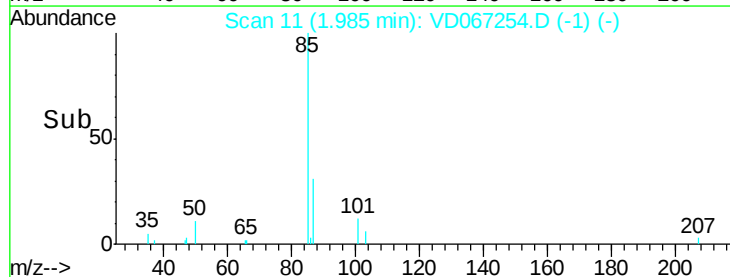
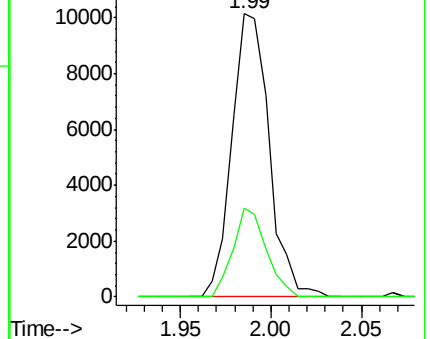
85 100

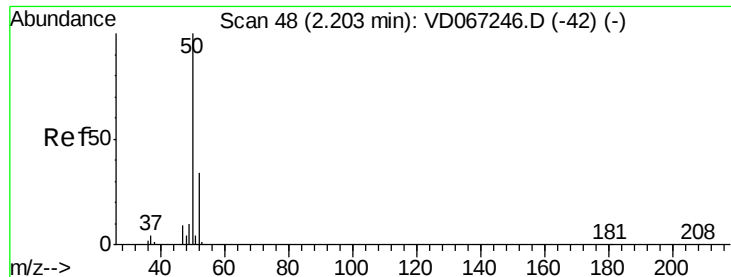
87 31.2 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 4.917 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067254.D

Acq: 13 Oct 2020 16:09

Instrument :

MSVOA_D

ClientSampleId :

VD1015

Tot Ion: 50 Resp: 10235

Ion Ratio Lower Upper

50 100

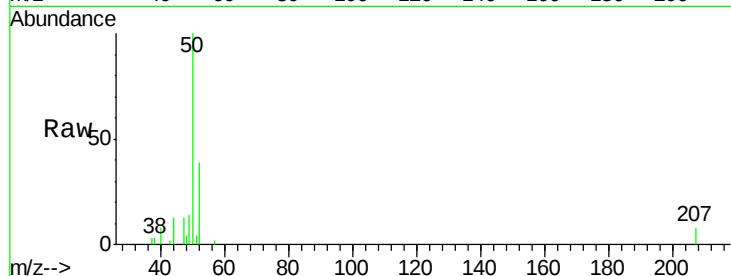
52 38.9 27.1 40.7

Manual Integrations

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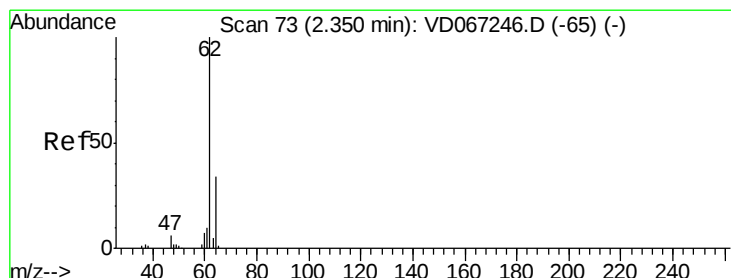
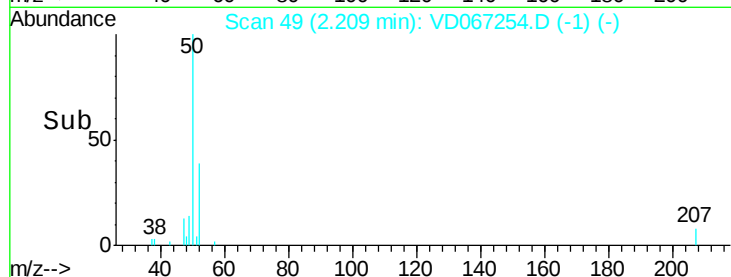
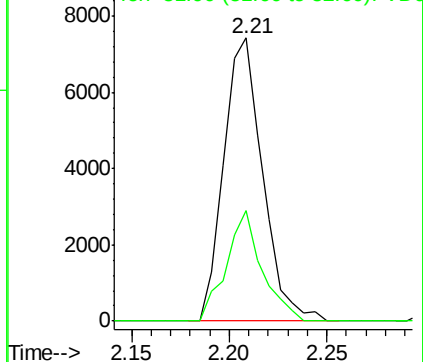
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 4.724 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD067254.D

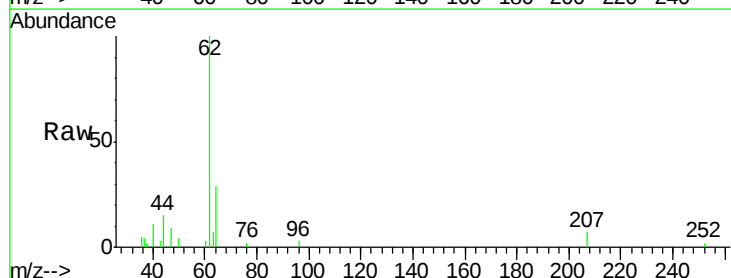
Acq: 13 Oct 2020 16:09

Tgt Ion: 62 Resp: 10788

Ion Ratio Lower Upper

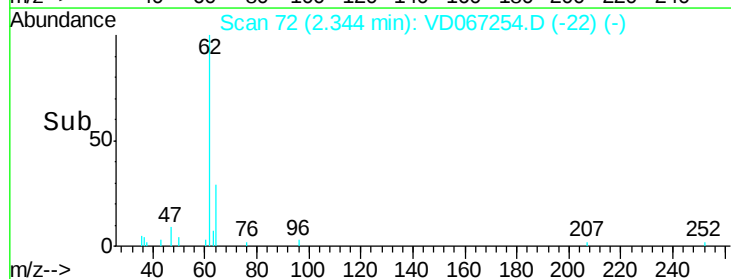
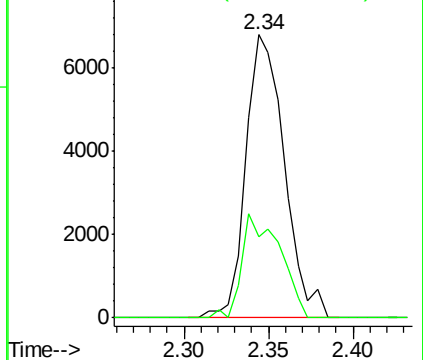
62 100

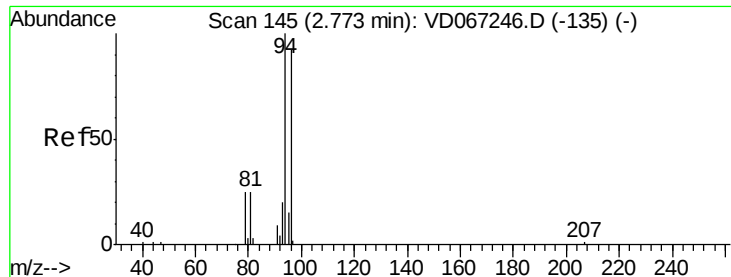
64 28.7 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 5.336 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067254.D

Acq: 13 Oct 2020 16:09

Instrument :

MSVOA_D

ClientSampleId :

VD1015

Tot Ion: 94 Resp: 9421

Ion Ratio Lower Upper

94 100

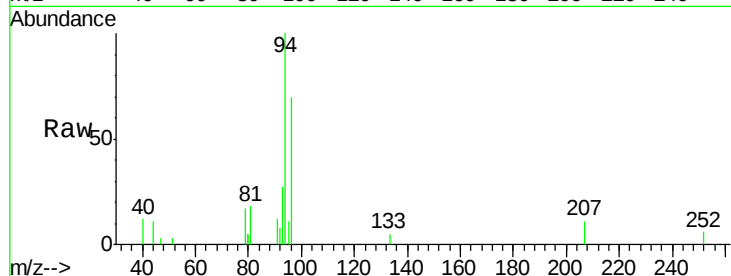
96 70.0 73.8 110.6#

Manual Integrations

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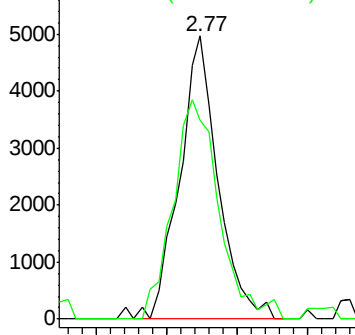
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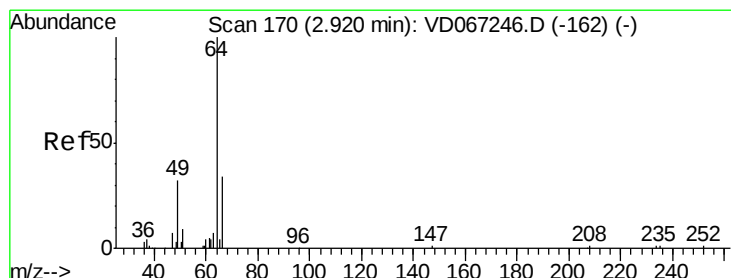
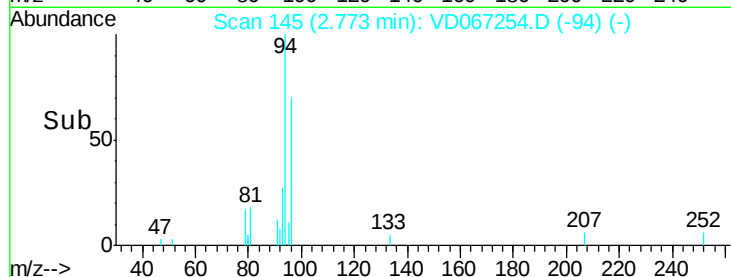


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 4.738 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067254.D

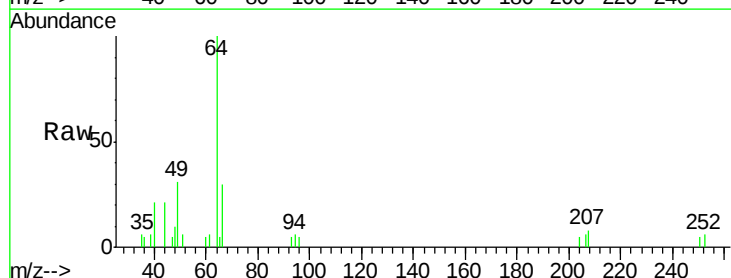
Acq: 13 Oct 2020 16:09

Tgt Ion: 64 Resp: 6739

Ion Ratio Lower Upper

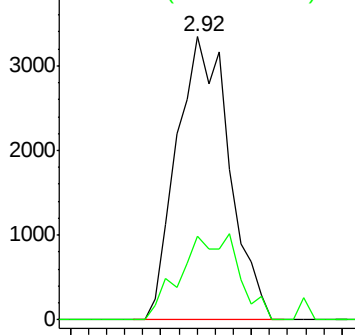
64 100

66 29.8 27.4 41.0

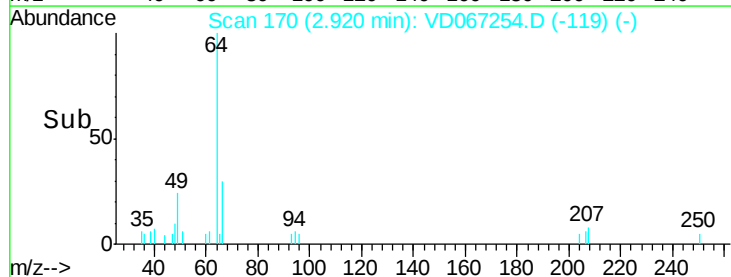


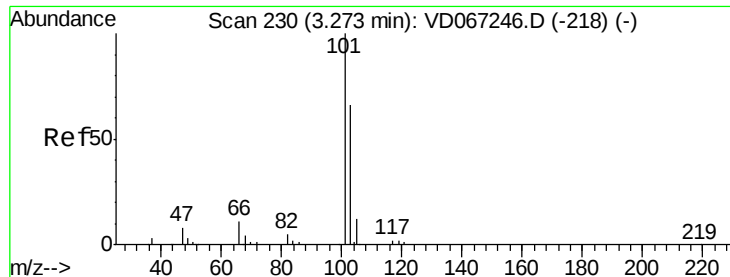
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

Trichlorofluoromethane

Concen: 4.412 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.00 min

Lab File: VD067254.D

Acq: 13 Oct 2020 16:09

Instrument :

MSVOA_D

ClientSampleId :

VD1015

Tot Ion:101 Resp: 25371

Ion Ratio Lower Upper

101 100

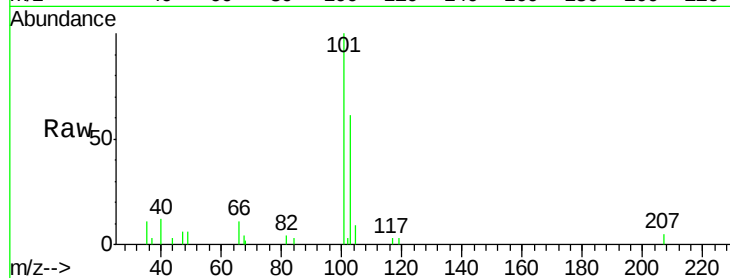
103 61.3 53.1 79.7

Manual Integrations

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

12000

10000

8000

6000

4000

2000

0

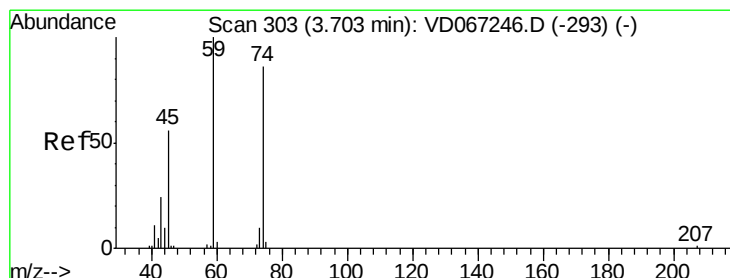
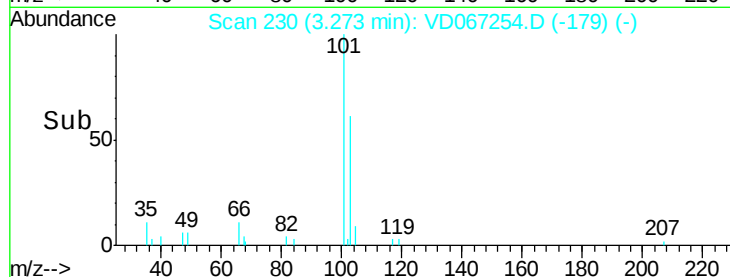
3.27

3.25

3.30

3.35

Time-->



#8

Diethyl Ether

Concen: 4.287 ug/l

RT: 3.70 min Scan# 303

Delta R.T. 0.00 min

Lab File: VD067254.D

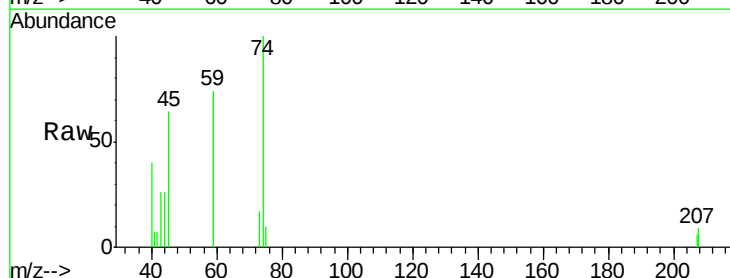
Acq: 13 Oct 2020 16:09

Tgt Ion: 74 Resp: 5641

Ion Ratio Lower Upper

74 100

45 89.3 37.0 111.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3000

2500

2000

1500

1000

500

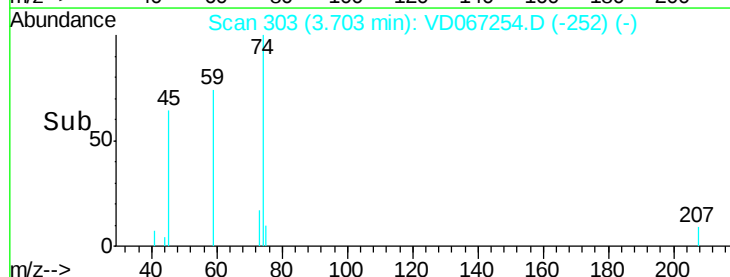
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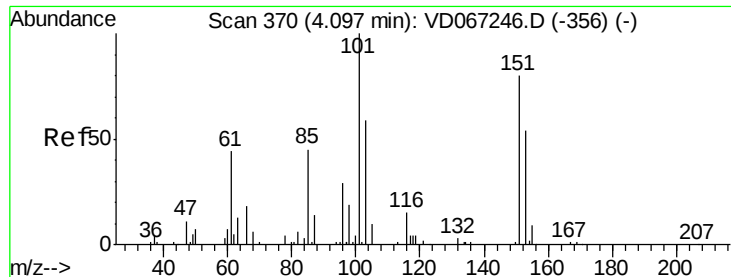
3.70

3.65

3.75

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.644 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067254.D

Acq: 13 Oct 2020 16:09

Instrument :

MSVOA_D

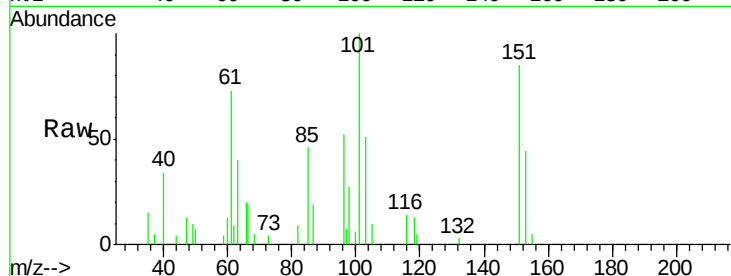
ClientSampled :

VD1015

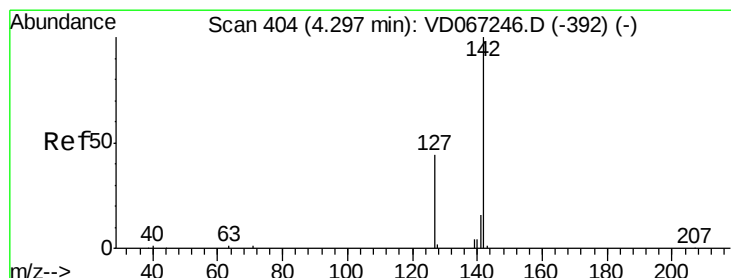
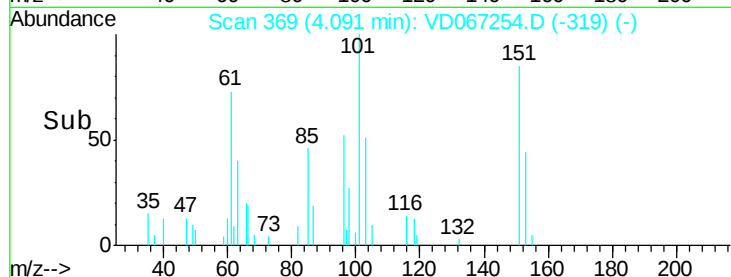
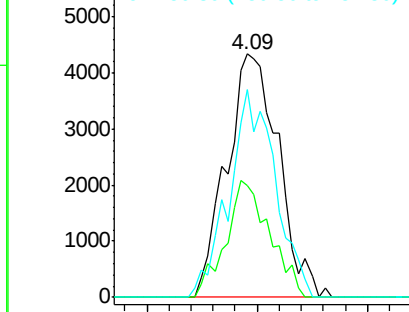
Tot Ion:	101	Resp:	14189
Ion Ratio	Lower	Upper	
101	100		
85	40.6	34.2	51.4
151	76.4	66.3	99.5

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.255 ug/l

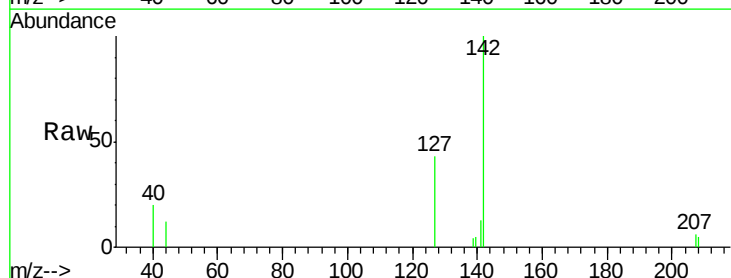
RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

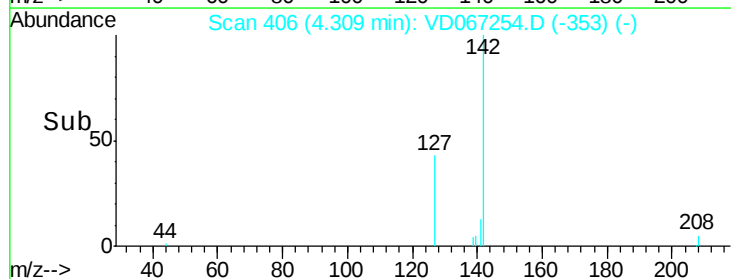
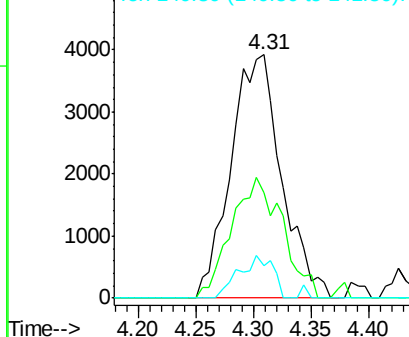
Lab File: VD067254.D

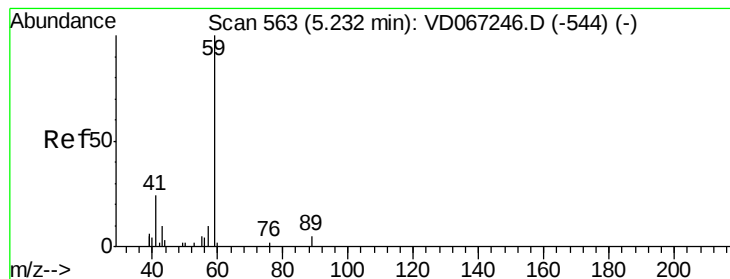
Acq: 13 Oct 2020 16:09

Tgt Ion:	142	Resp:	11991
Ion Ratio	Lower	Upper	
142	100		
127	49.8	38.4	57.6
141	11.6	11.6	17.4#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 45.769 ug/l m

RT: 5.18 min Scan# 554

Delta R.T. -0.05 min

Lab File: VD067254.D

Acq: 13 Oct 2020 16:09

Instrument :

MSVOA_D

ClientSampled :

VD1015

Tot Ion: 59 Resp: 11013

Ion Ratio Lower Upper

59 100

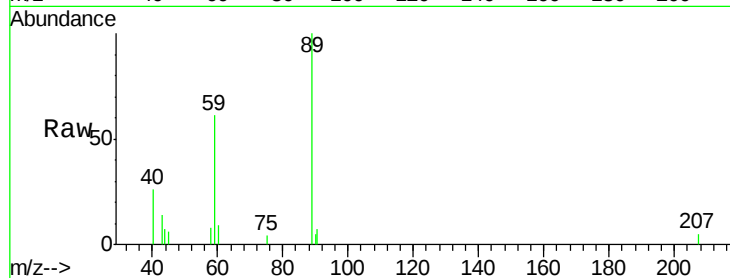
57 0.0 5.1 7.7#

Manual Integrations

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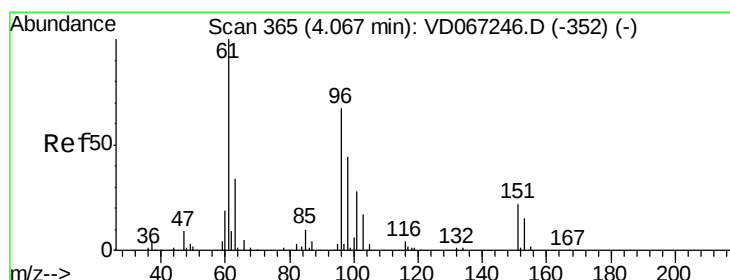
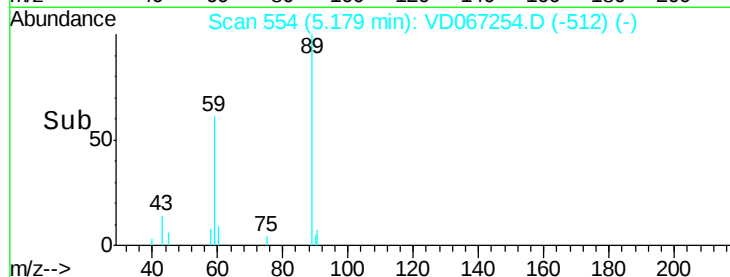
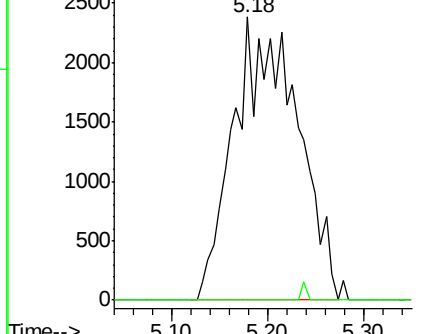
MMDadoda

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Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 4.697 ug/l

RT: 4.07 min Scan# 366

Delta R.T. 0.01 min

Lab File: VD067254.D

Acq: 13 Oct 2020 16:09

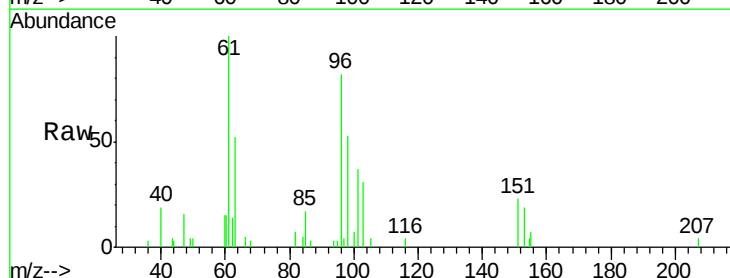
Tgt Ion: 96 Resp: 12821

Ion Ratio Lower Upper

96 100

61 122.1 118.6 177.8

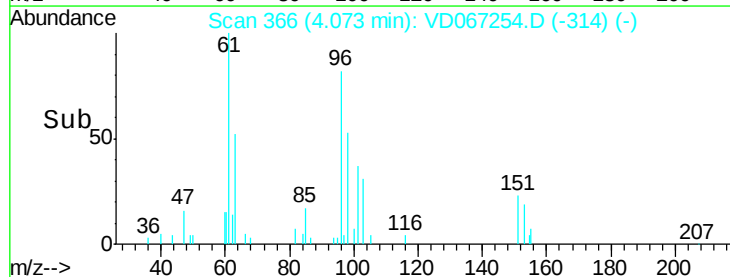
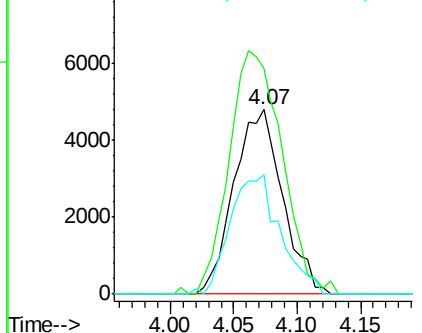
98 65.1 51.8 77.6

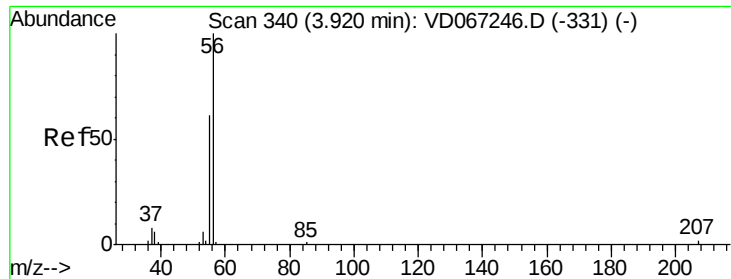


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 19.108 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067254.D

Acq: 13 Oct 2020 16:09

Instrument :

MSVOA_D

ClientSampleId :

VD1015

Tot Ion: 56 Resp: 3276

Ion Ratio Lower Upper

56 100

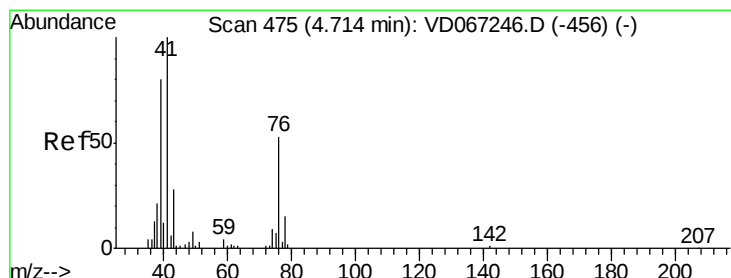
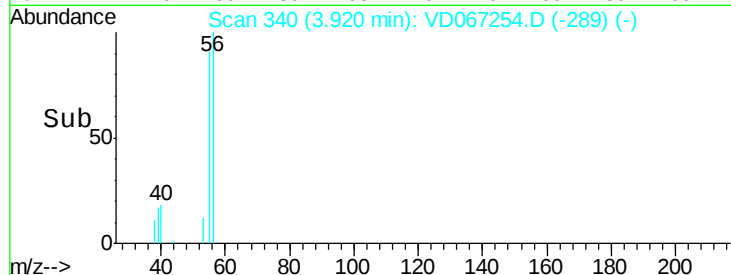
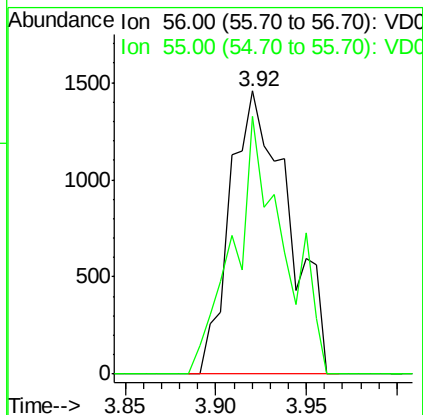
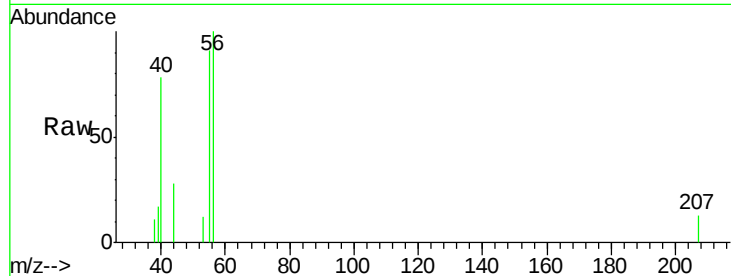
55 78.6 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 4.146 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067254.D

Acq: 13 Oct 2020 16:09

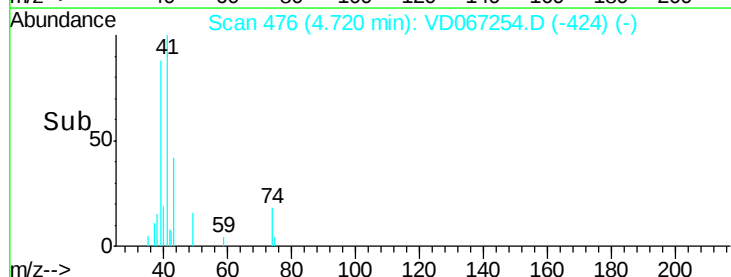
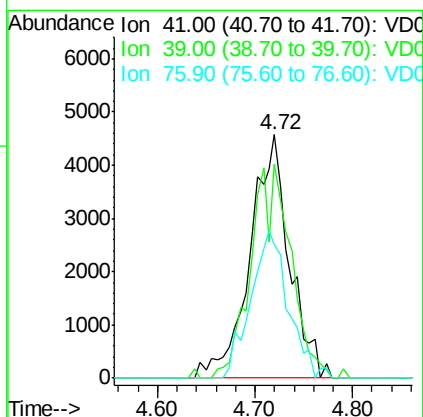
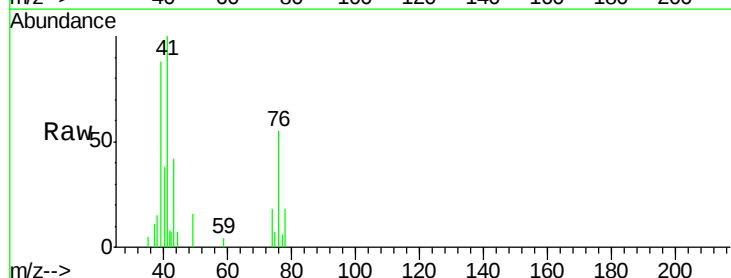
Tgt Ion: 41 Resp: 12959

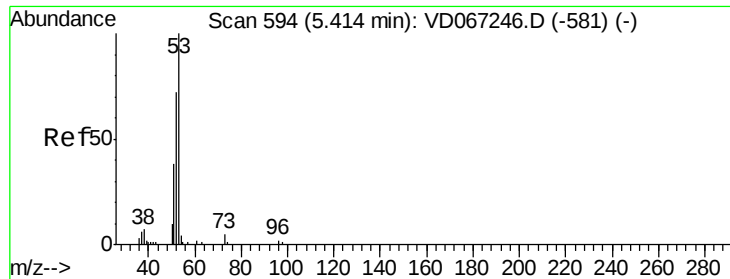
Ion Ratio Lower Upper

41 100

39 44.6 63.8 95.6#

76 57.9 40.4 60.6





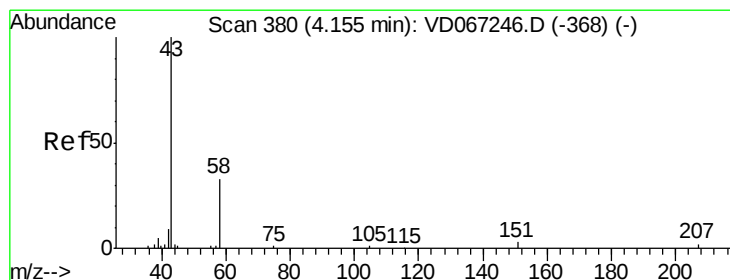
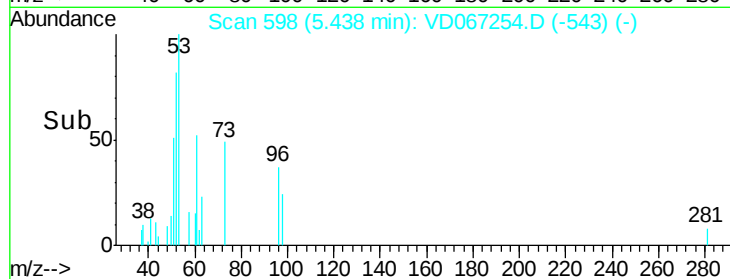
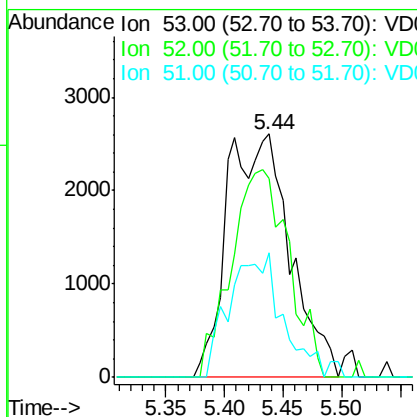
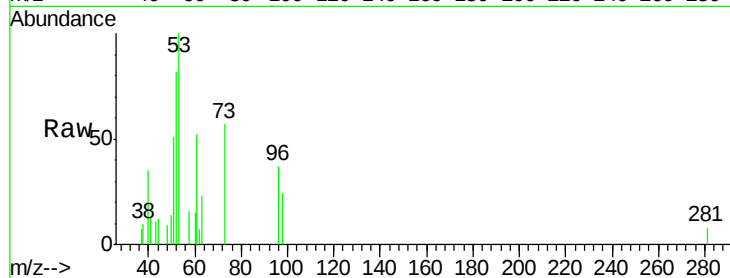
#15
 Acrylonitrile
 Concen: 22.231 ug/l m
 RT: 5.44 min Scan# 598
 Delta R.T. 0.02 min
 Lab File: VD067254.D
 Acq: 13 Oct 2020 16:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015

Tot Ion	Ratio	Lower	Upper
53	100		
52	0.0	65.6	98.4#
51	0.0	30.8	46.2#

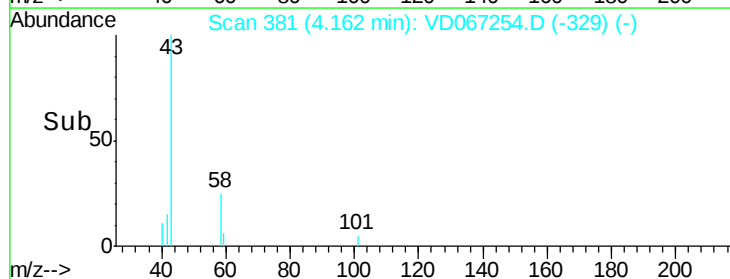
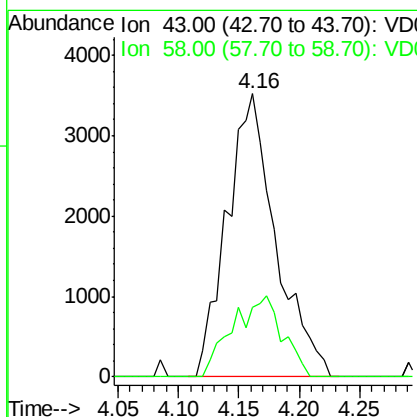
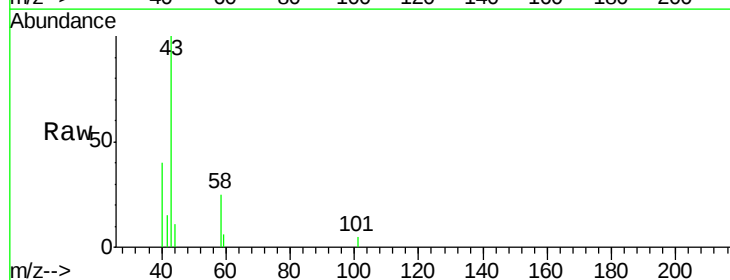
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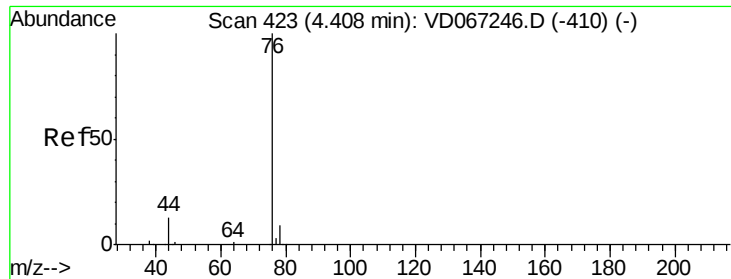
MMDadoda
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#16
 Acetone
 Concen: 21.270 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD067254.D
 Acq: 13 Oct 2020 16:09

Tgt Ion	Ratio	Lower	Upper
43	100		
58	24.5	26.1	39.1#





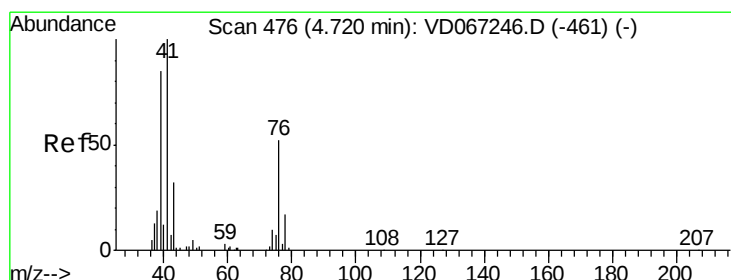
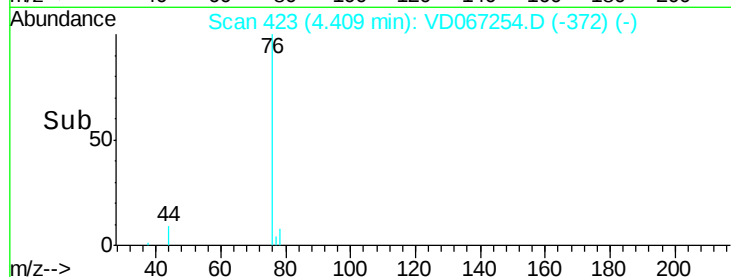
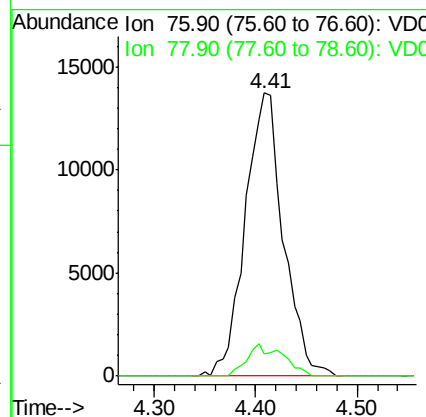
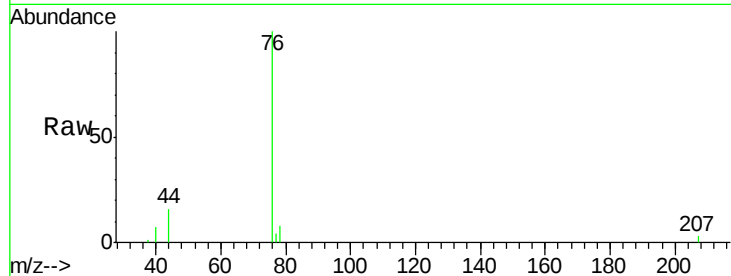
#17
Carbon Disulfide
Concen: 4.595 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Instrument :
MSVOA_D
ClientSampleId :
VD1015

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.8	7.4	11.0

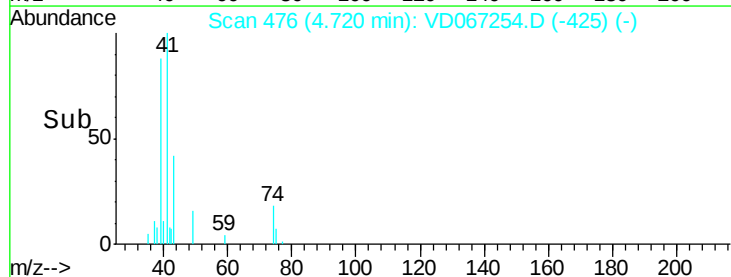
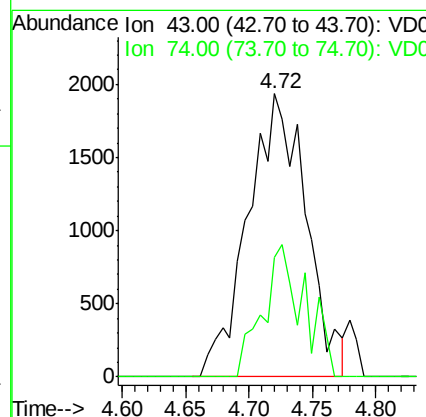
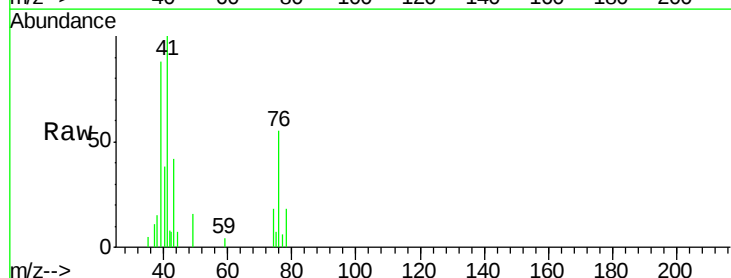
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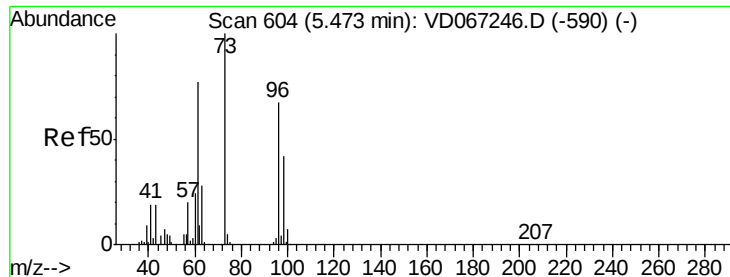
MMDadoda
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#18
Methyl Acetate
Concen: 5.833 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	33.3	26.6	39.8





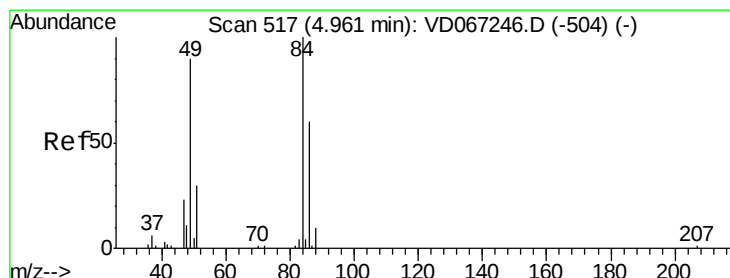
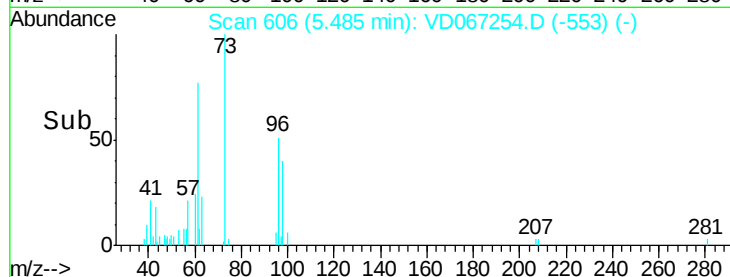
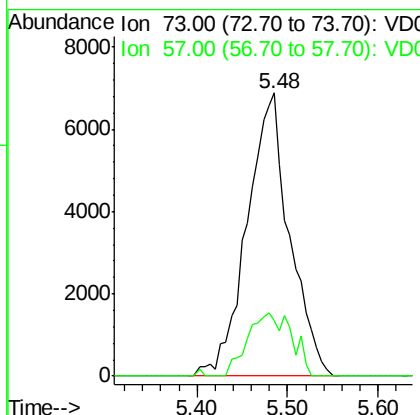
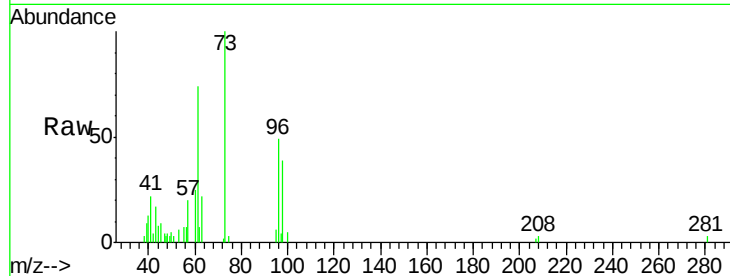
#19
Methyl tert-butyl Ether
Concen: 4.132 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Instrument :
MSVOA_D
ClientSampleId :
VD1015

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.7	15.7	23.5

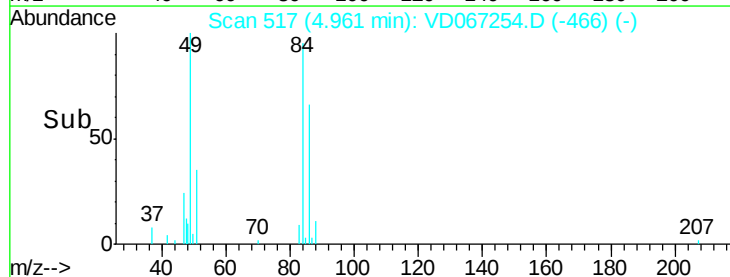
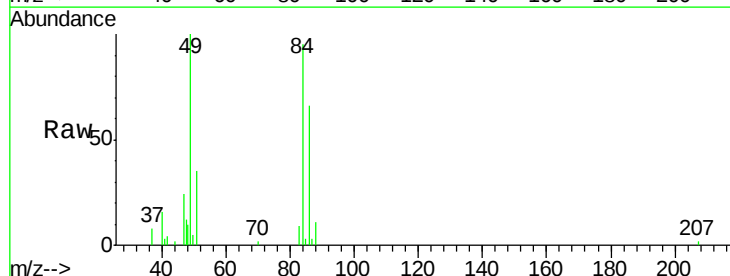
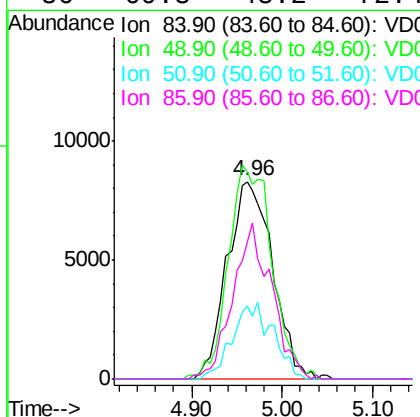
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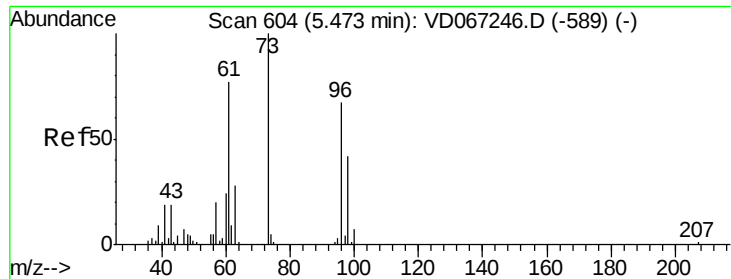
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#20
Methylene Chloride
Concen: 8.291 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	105.0	72.2	108.2
51	37.0	23.8	35.8
86	69.3	48.2	72.4





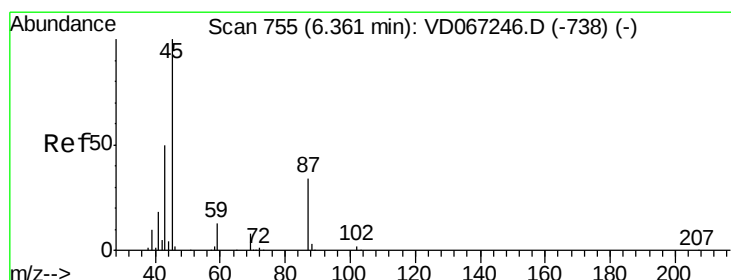
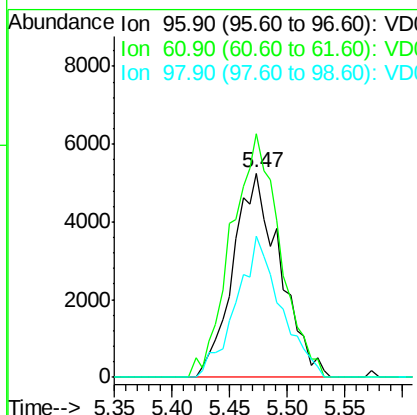
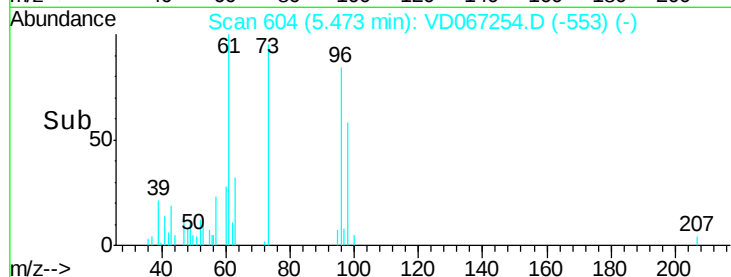
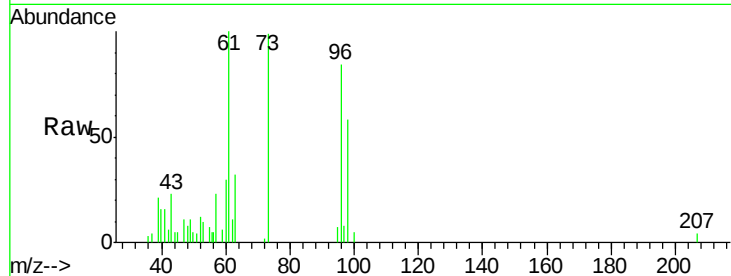
#21
trans-1,2-Dichloroethene
Concen: 4.748 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Instrument :
MSVOA_D
ClientSampleId :
VD1015

Tot Ion	Ratio	Lower	Upper
96	100		
61	119.1	92.0	138.0
98	69.3	49.8	74.8

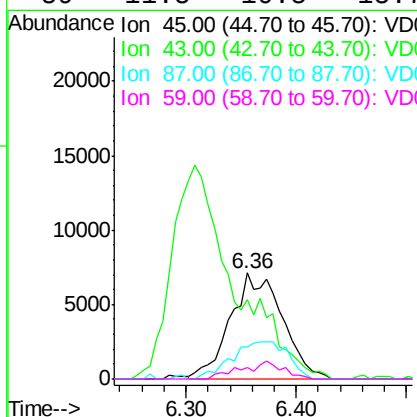
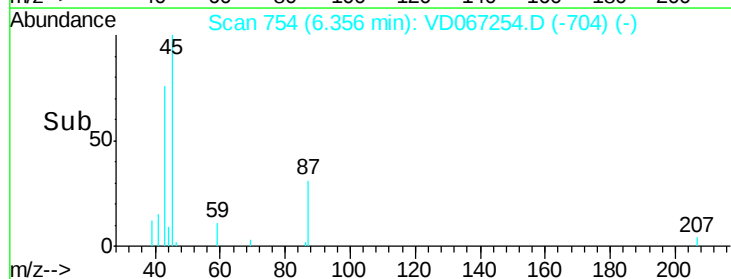
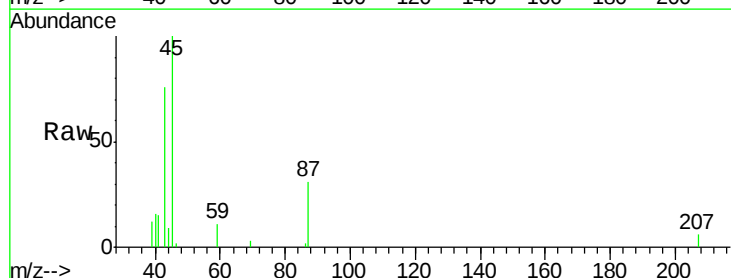
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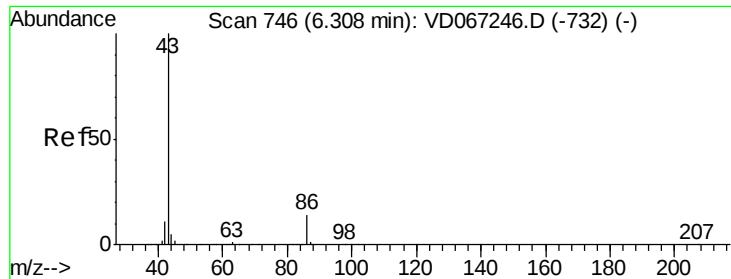
MMDadoda
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#22
Diisopropyl ether
Concen: 4.079 ug/l
RT: 6.36 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	75.6	48.0	72.0#
87	30.8	28.5	42.7
59	11.5	10.5	15.7





#23

Vinyl Acetate

Concen: 13.700 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067254.D

Acq: 13 Oct 2020 16:09

Instrument :

MSVOA_D

ClientSampleId :

VD1015

Tot Ion: 43 Resp: 44506

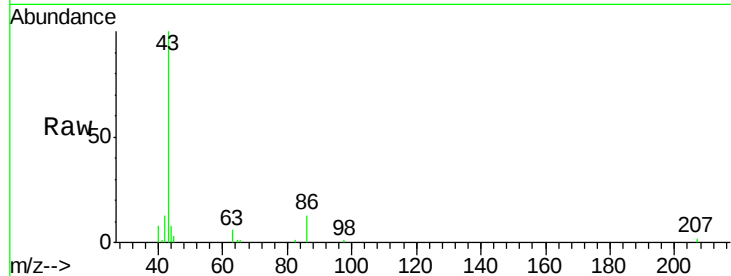
Ion Ratio Lower Upper

43 100

86 12.7 11.0 16.6

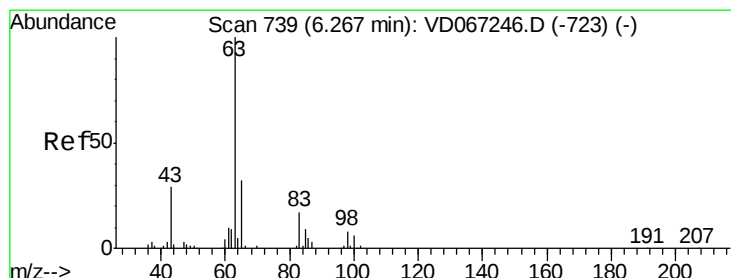
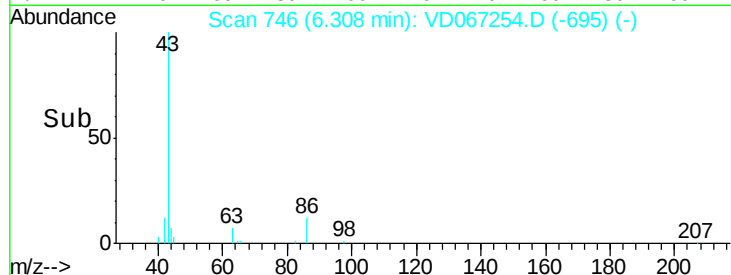
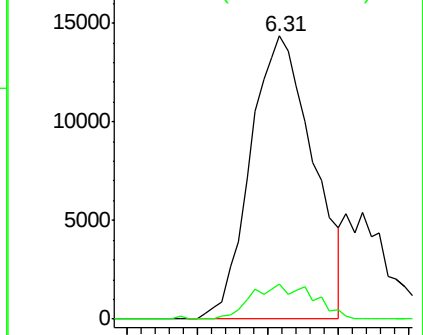
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 4.541 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD067254.D

Acq: 13 Oct 2020 16:09

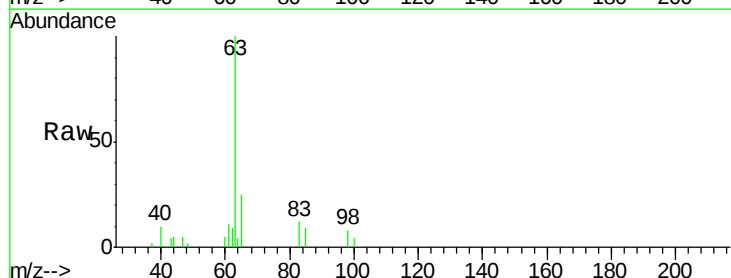
Tgt Ion: 63 Resp: 22194

Ion Ratio Lower Upper

63 100

98 7.9 4.0 12.2

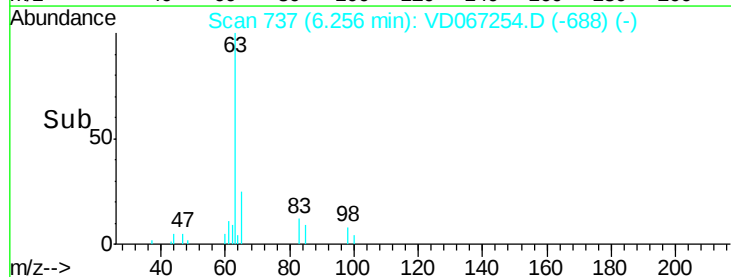
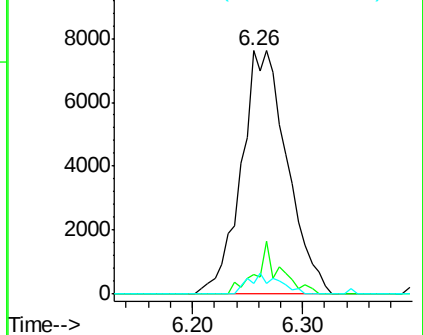
100 4.2 2.8 8.4

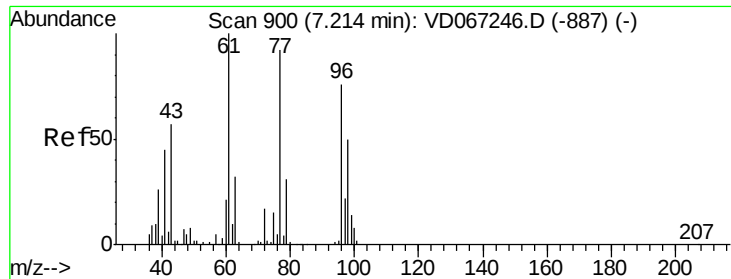


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 22.662 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067254.D

Acq: 13 Oct 2020 16:09

Instrument :

MSVOA_D

ClientSampled :

VD1015

Tot Ion: 43 Resp: 11987

Ion Ratio Lower Upper

43 100

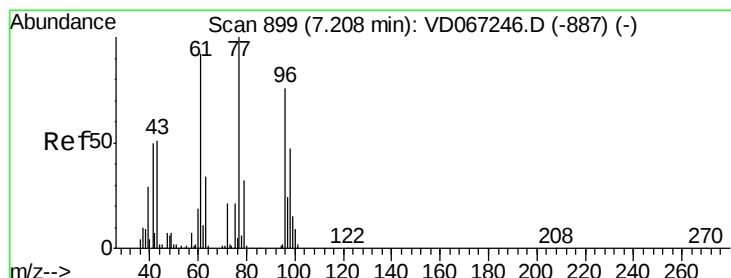
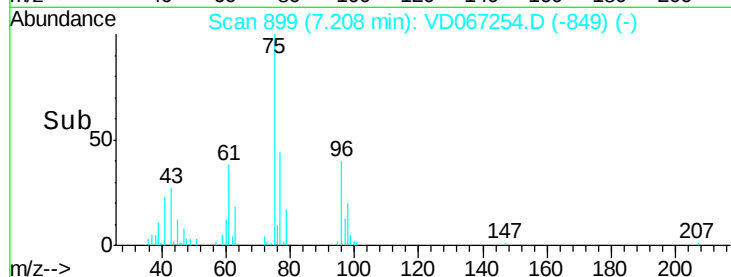
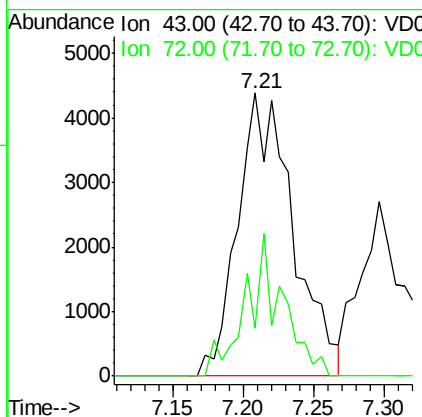
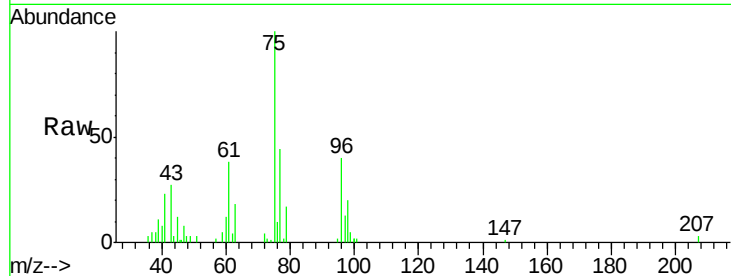
72 16.8 23.7 35.5#

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#26

2,2-Dichloropropane

Concen: 4.526 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD067254.D

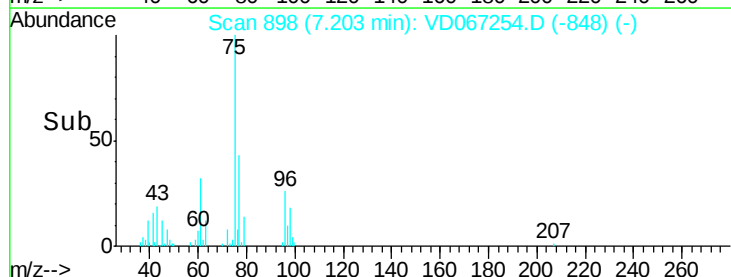
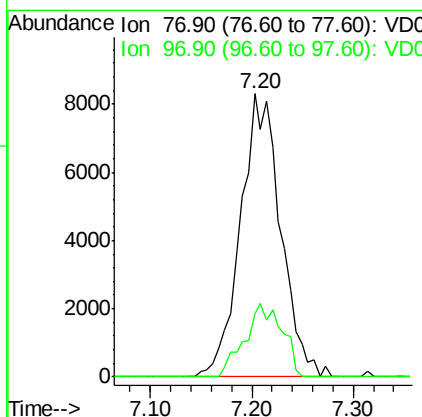
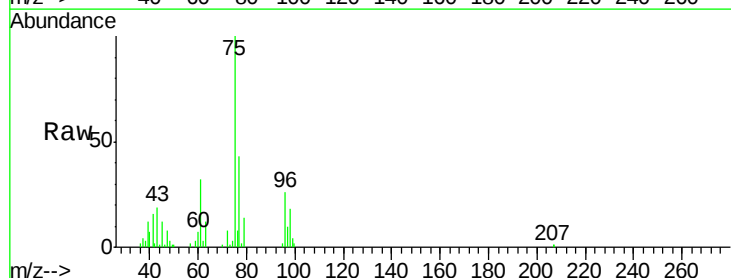
Acq: 13 Oct 2020 16:09

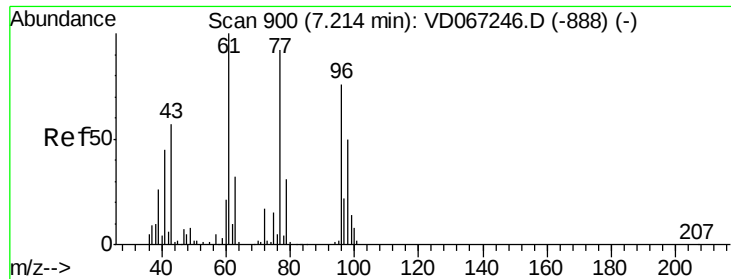
Tgt Ion: 77 Resp: 22804

Ion Ratio Lower Upper

77 100

97 24.1 11.4 34.2





#27

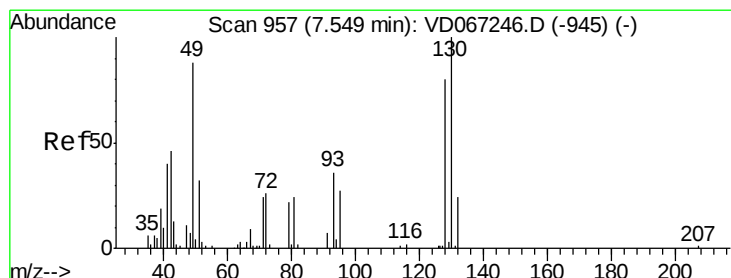
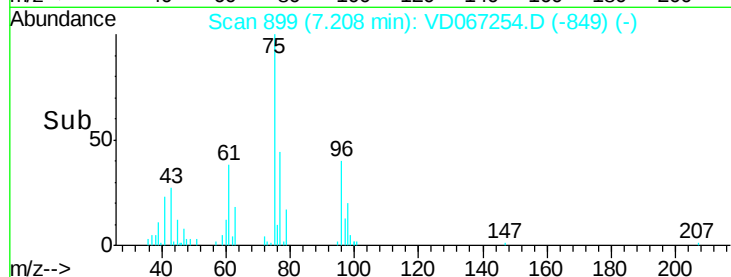
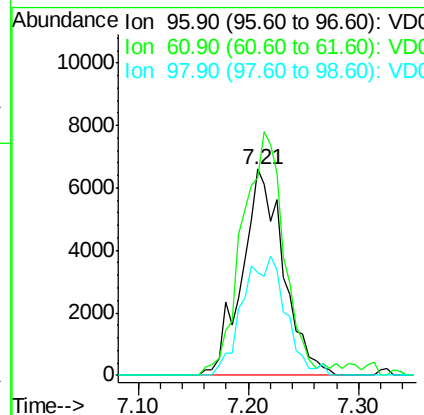
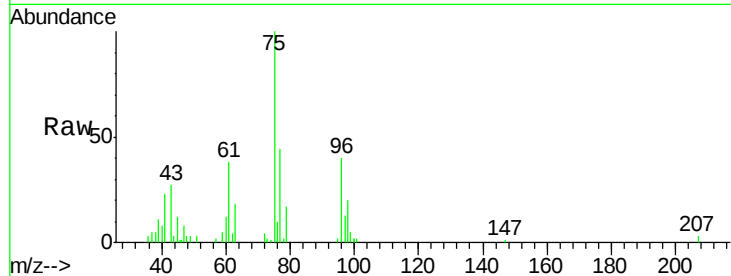
cis-1,2-Dichloroethene
Concen: 5.042 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Instrument :
MSVOA_D
ClientSampled :
VD1015

Tot Ion	Ratio	Lower	Upper
96	100		
61	119.9	0.0	255.4
98	60.4	0.0	128.0

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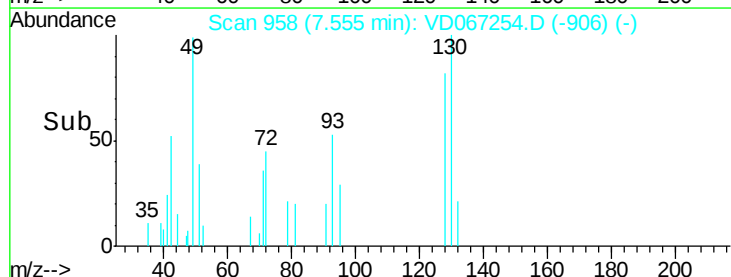
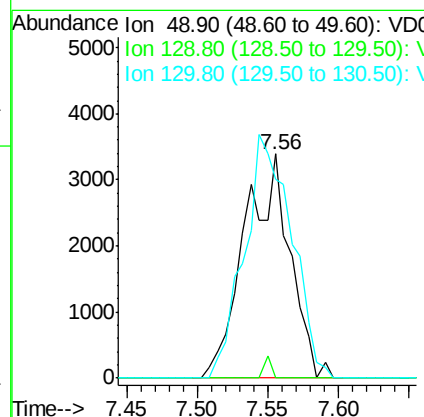
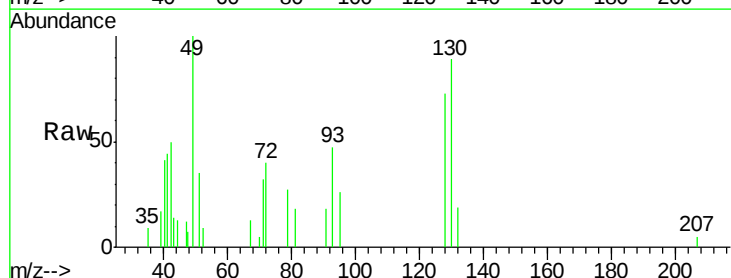
MMDadoda
10/14/2020 2:10:26 PM

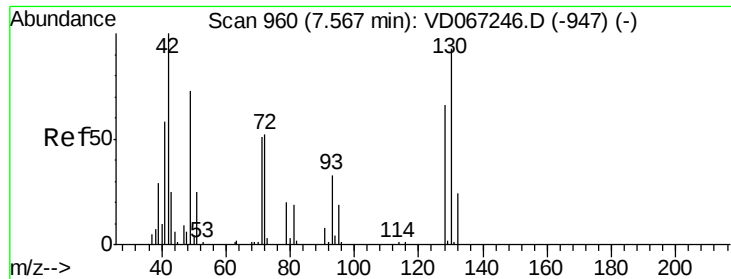


#28

Bromochloromethane
Concen: 4.605 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	1.6
130	112.5	91.0	136.6





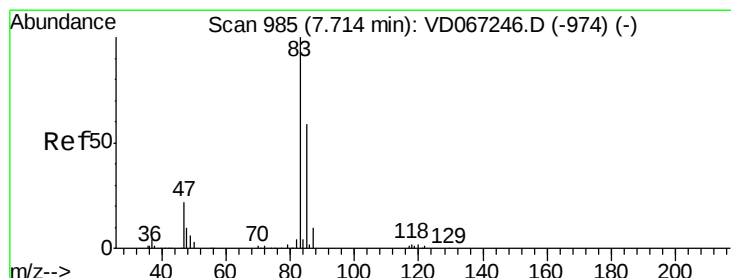
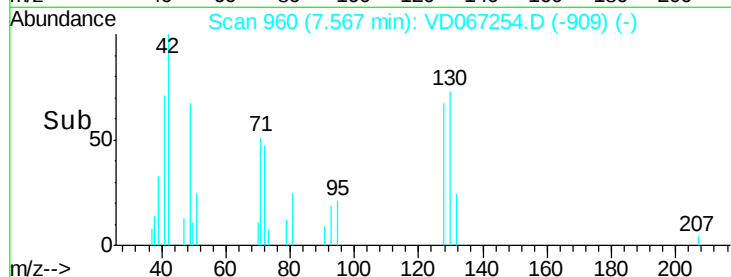
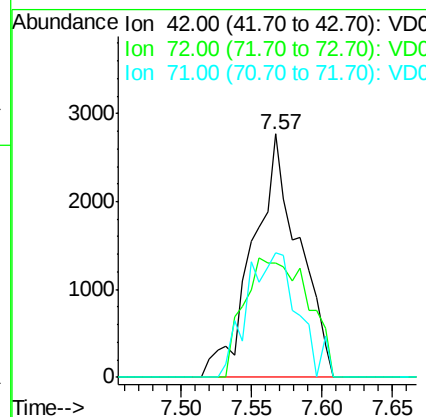
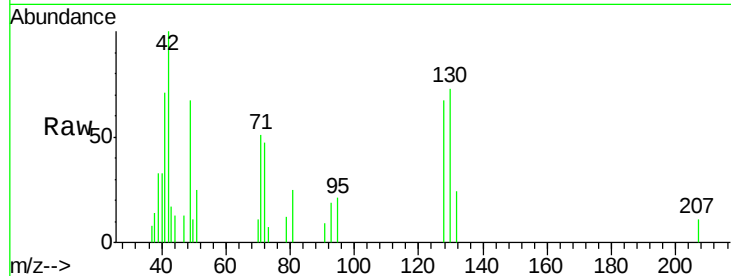
#29
Tetrahydrofuran
Concen: 21.369 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Instrument :
MSVOA_D
ClientSampled :
VD1015

Tot Ion	Ratio	Lower	Upper
42	100		
72	68.2	43.2	64.8#
71	57.4	39.4	59.0

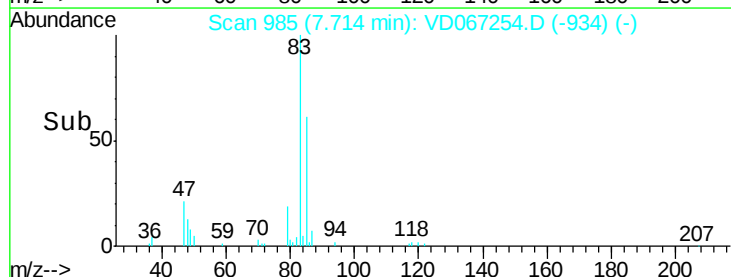
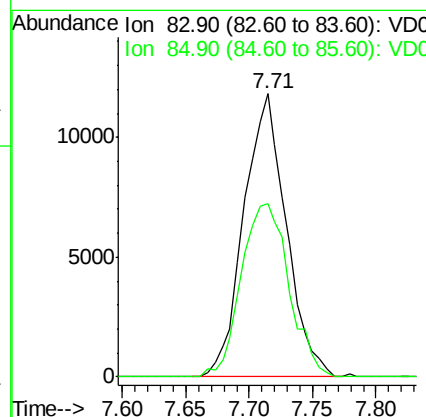
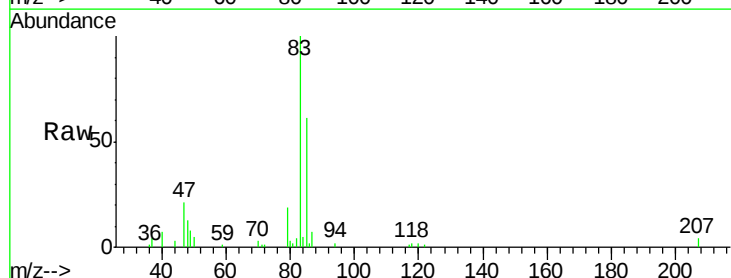
Manual Integrations
APPROVED

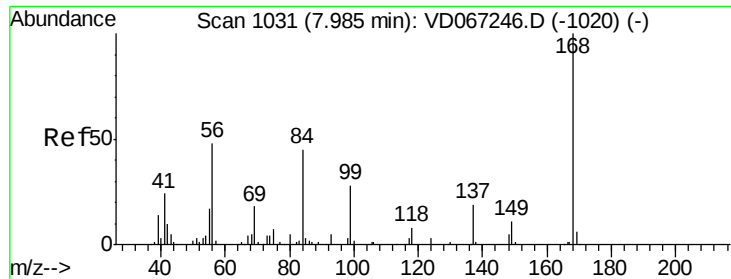
MMDadoda
10/14/2020 2:10:26 PM



#30
Chloroform
Concen: 4.695 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.1	47.3	70.9





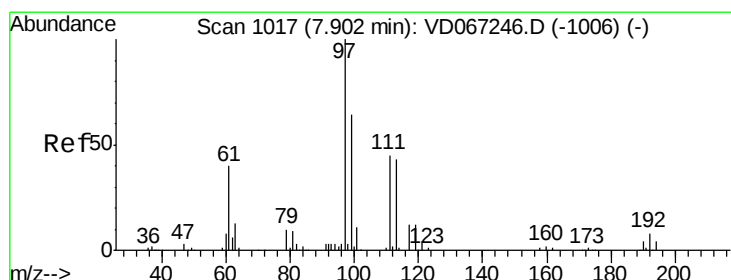
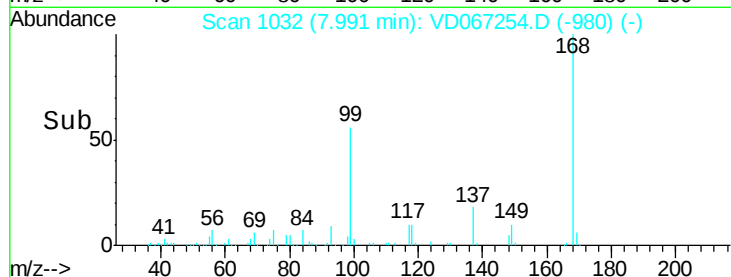
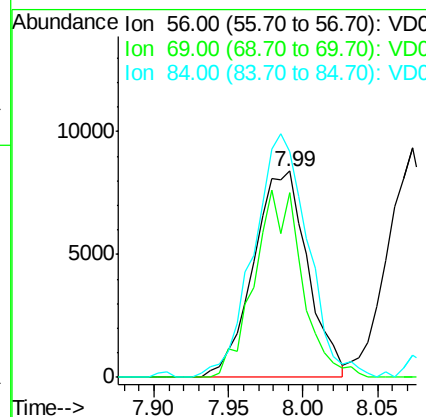
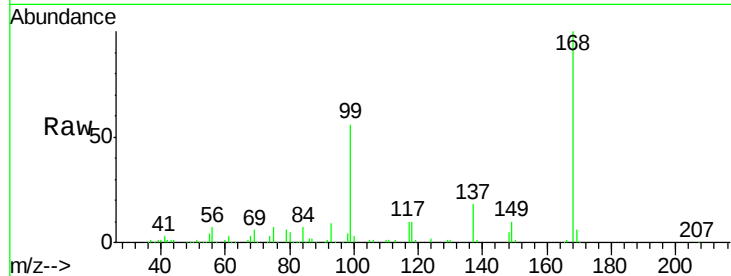
#31
Cyclohexane
Concen: 5.555 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Instrument :
MSVOA_D
ClientSampleId :
VD1015

Tot Ion	56	Ratio	Lower	Upper
56	100			
69	89.4	29.8	44.6#	
84	109.4	76.6	114.8	

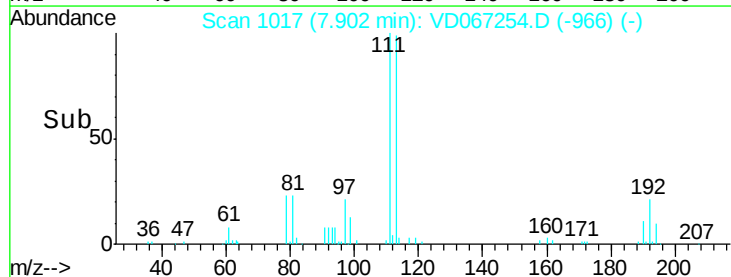
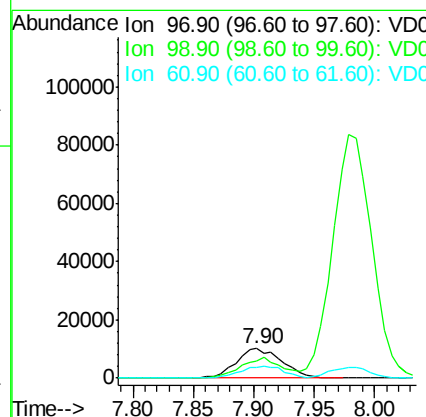
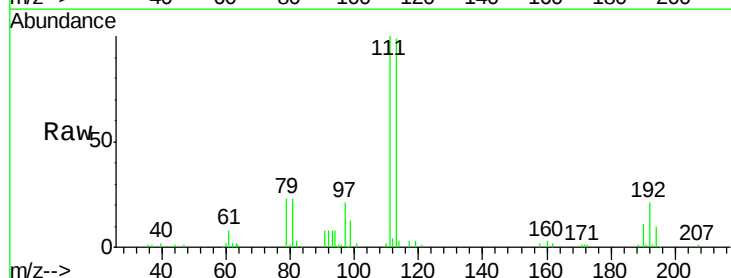
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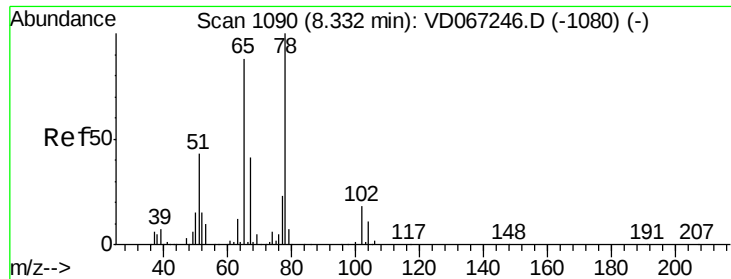
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 4.674 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Tgt Ion	97	Ratio	Lower	Upper
97	100			
99	63.1	50.2	75.4	
61	38.5	30.5	45.7	





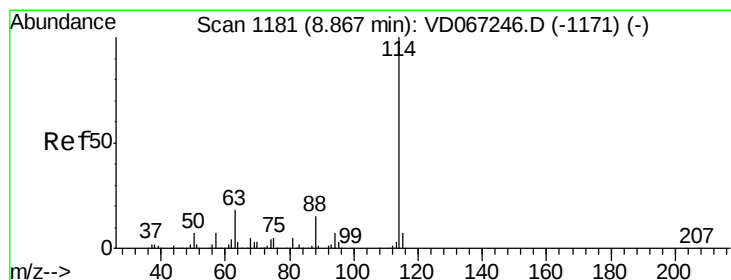
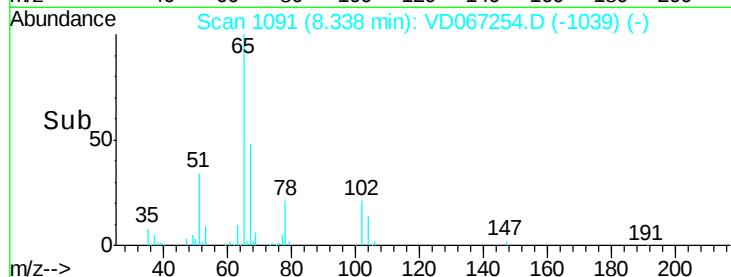
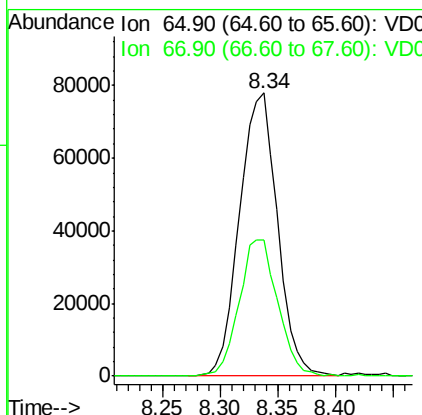
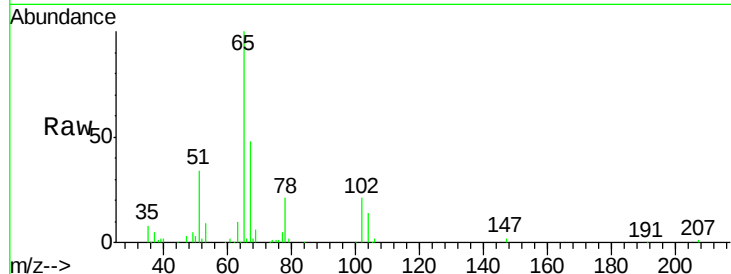
#33
 1,2-Dichloroethane-d4
 Concen: 53.841 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD067254.D
 Acq: 13 Oct 2020 16:09

Instrument :
 MSVOA_D
 ClientSampled :
 VD1015

Tot Ion	Ratio	Resp	Lower	Upper
65	100	178389		
67	49.1	0.0	103.8	

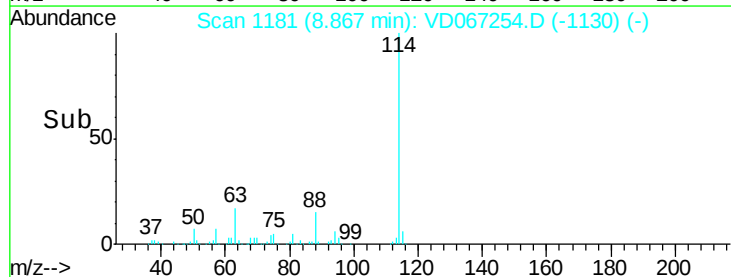
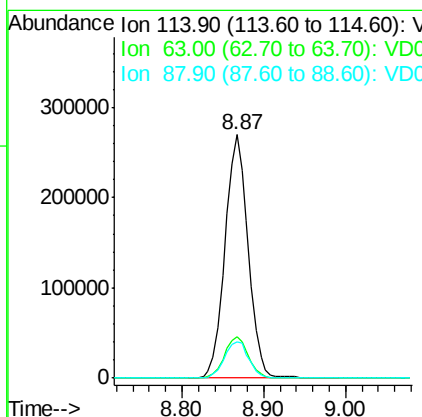
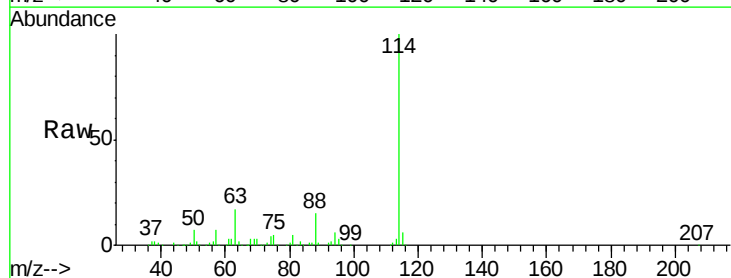
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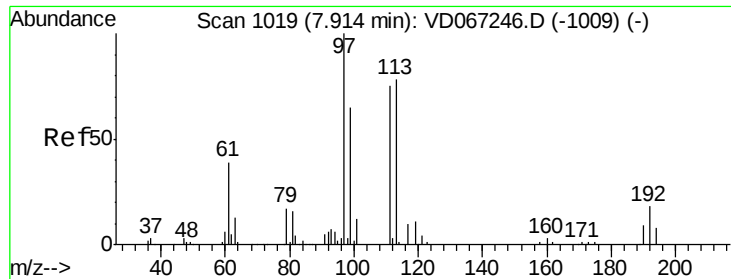
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067254.D
 Acq: 13 Oct 2020 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	531106		
63	16.9	0.0	35.0	
88	15.0	0.0	30.6	





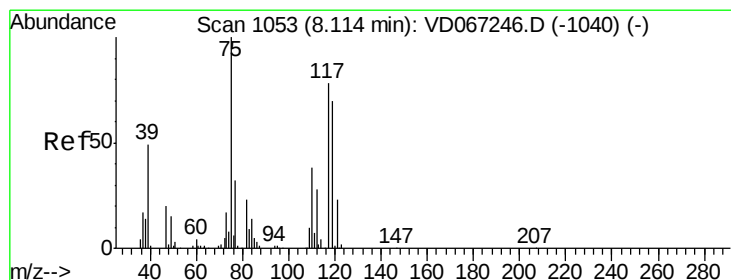
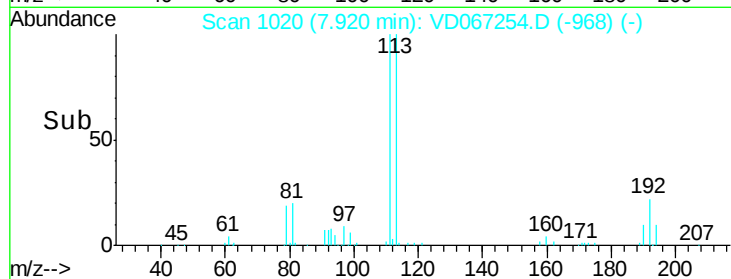
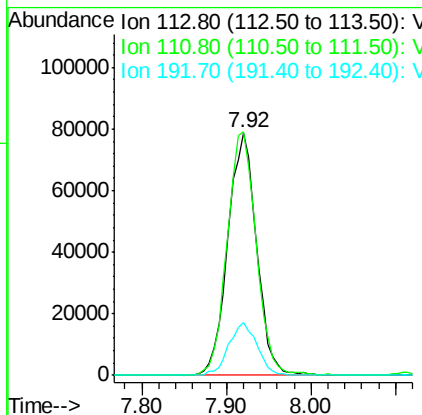
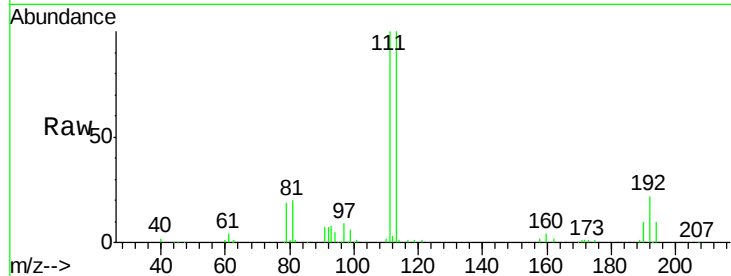
#35
 Dibromofluoromethane
 Concen: 52.128 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067254.D
 Acq: 13 Oct 2020 16:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015

Tot Ion	Ratio	Resp	Lower	Upper
113	100	184246		
111	101.6	81.6	122.4	
192	21.2	17.0	25.4	

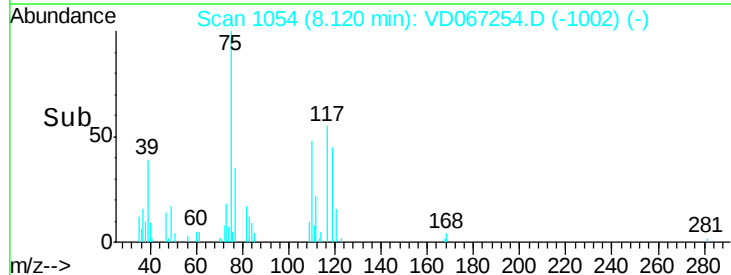
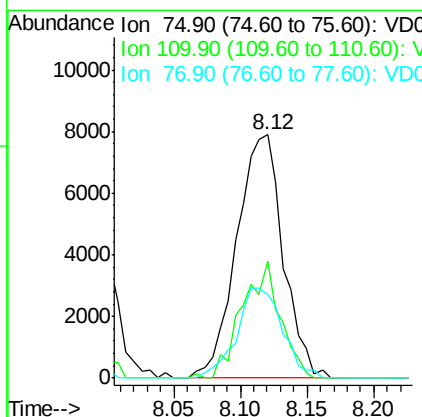
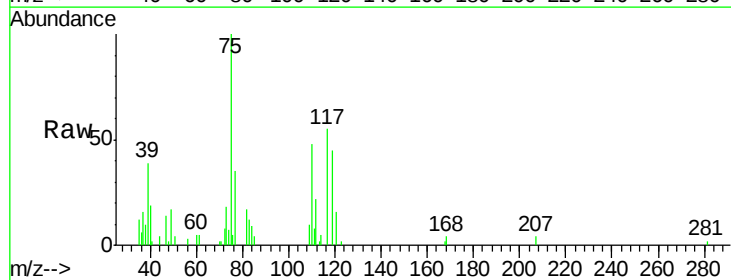
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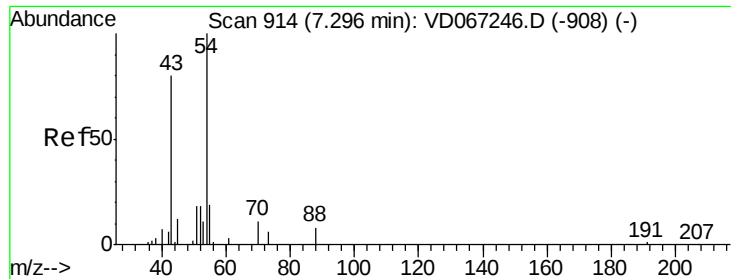
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#36
 1,1-Dichloropropene
 Concen: 4.228 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD067254.D
 Acq: 13 Oct 2020 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19031		
110	39.5	19.6	58.7	
77	36.6	24.6	37.0	





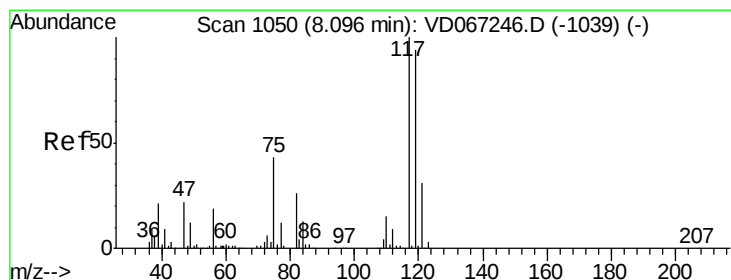
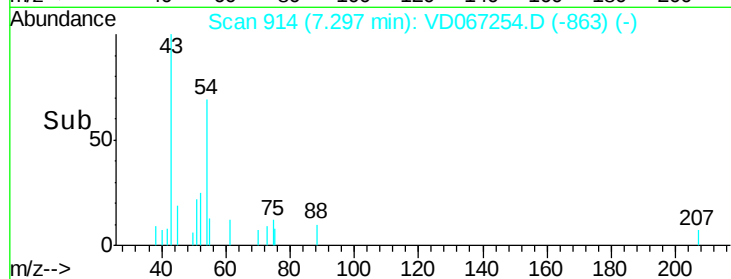
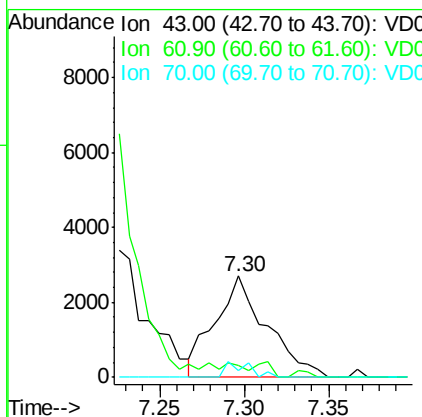
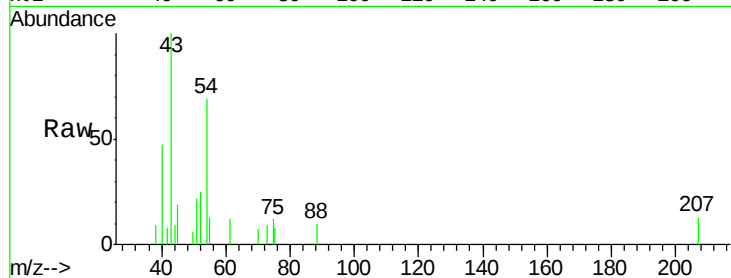
#37
Ethyl Acetate
Concen: 4.324 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Instrument :
MSVOA_D
ClientSampled :
VD1015

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	15.6	23.4#
70	7.0	10.4	15.6#

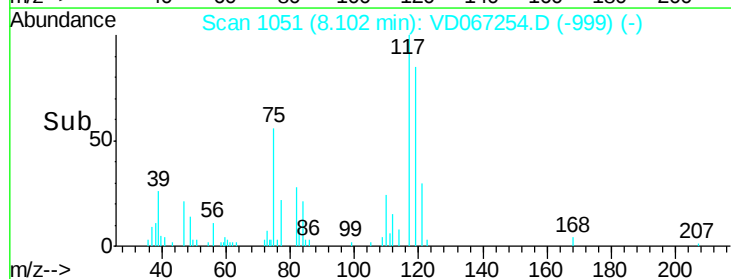
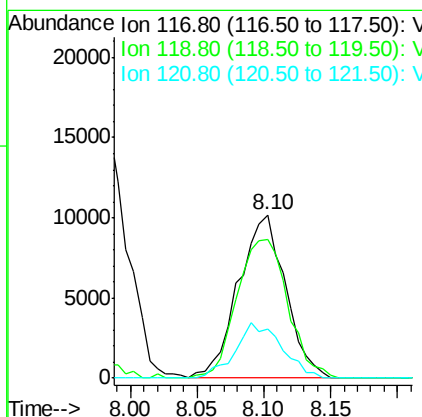
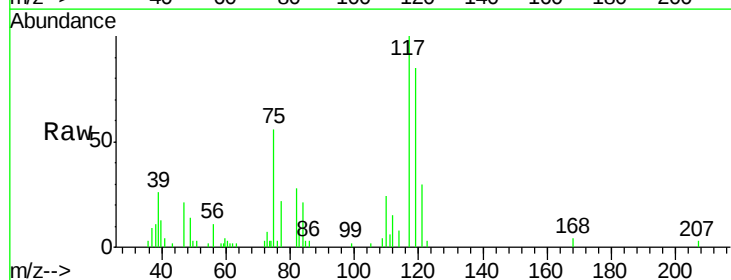
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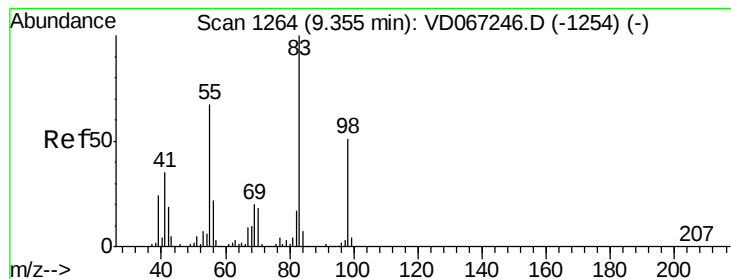
MMDadoda
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#38
Carbon Tetrachloride
Concen: 4.329 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	85.2	75.0	112.4
121	29.8	24.9	37.3





#39

Methvlcvclohexane

Concen: 4.125 ug/l

RT: 9.36 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VD067254.D

Acq: 13 Oct 2020 16:09

Instrument :

MSVOA_D

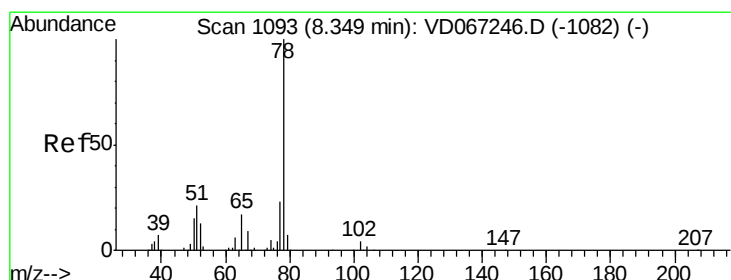
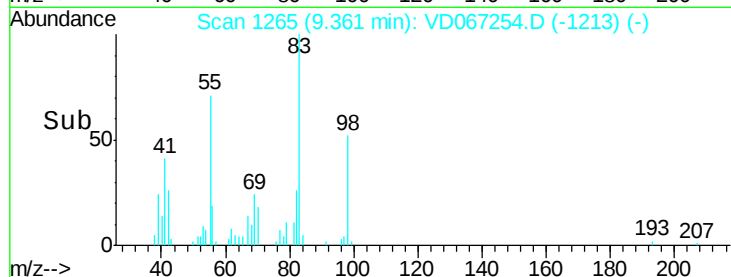
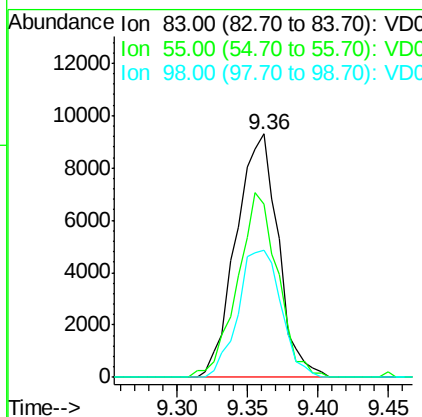
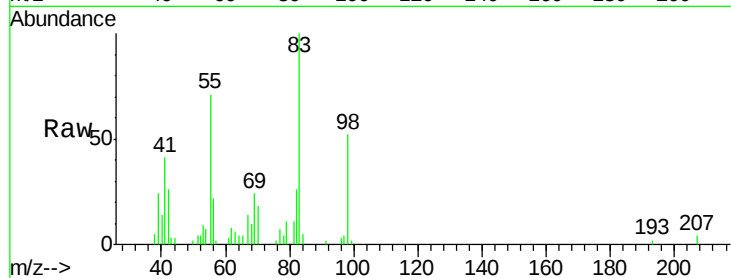
ClientSampleId :

VD1015

Tot Ion:	83	Resp:	19414
Ion	Ratio	Lower	Upper
83	100		
55	70.9	53.3	79.9
98	52.2	41.0	61.4

Manual Integrations
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#40

Benzene

Concen: 4.637 ug/l

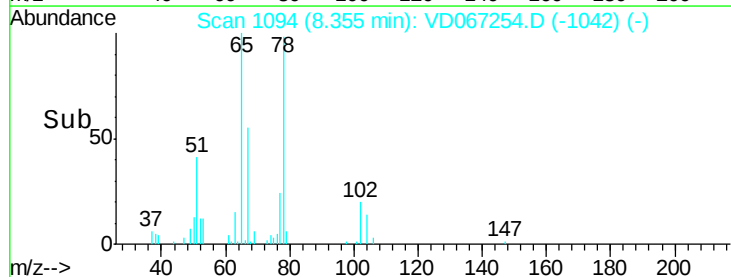
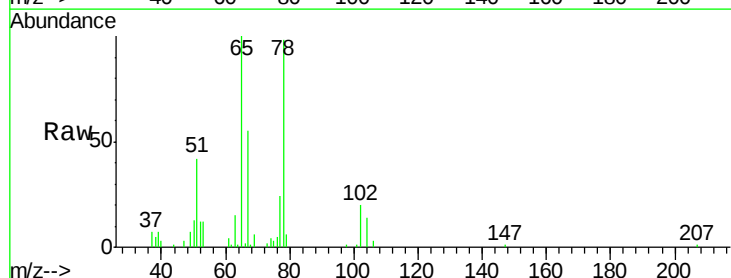
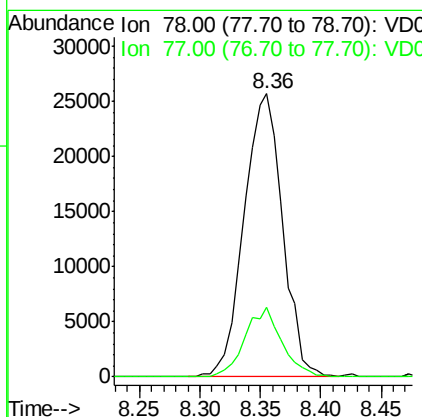
RT: 8.36 min Scan# 1094

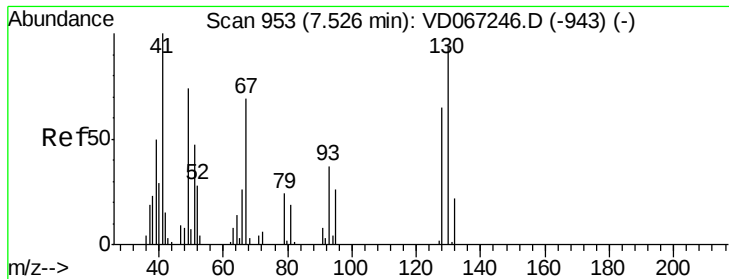
Delta R.T. 0.01 min

Lab File: VD067254.D

Acq: 13 Oct 2020 16:09

Tgt Ion:	78	Resp:	57260
Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.3	27.5





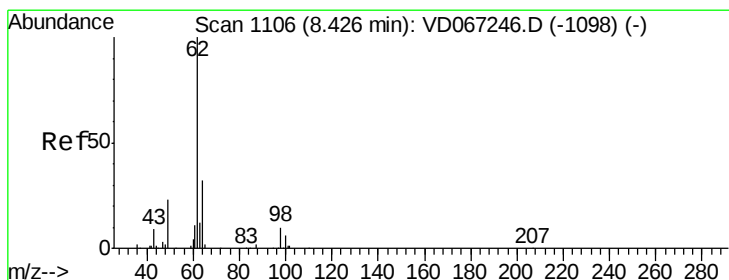
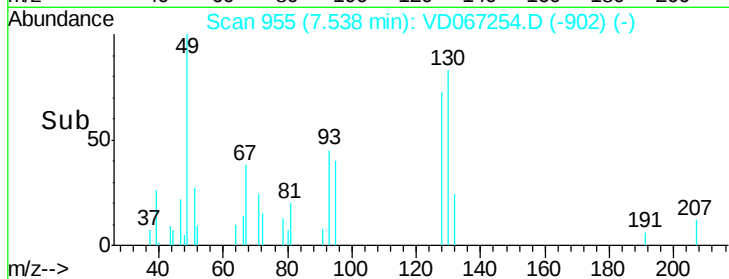
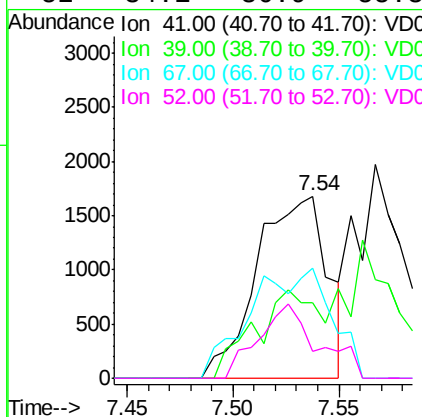
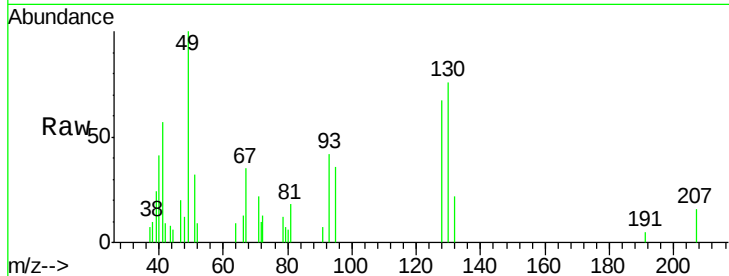
#41
Methacrylonitrile
Concen: 5.476 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Instrument :
MSVOA_D
ClientSampleId :
VD1015

Tot Ion	Ratio	Lower	Upper
41	100		
39	44.0	60.0	90.0#
67	0.0	88.9	133.3#
52	34.1	36.9	55.3#

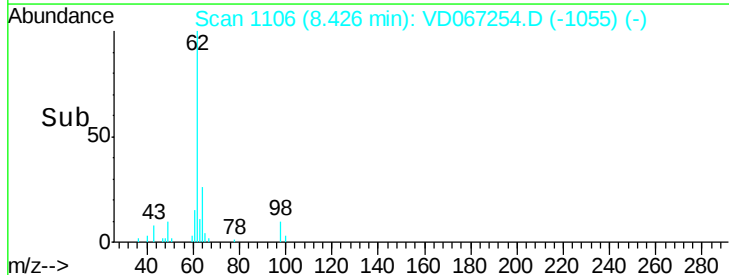
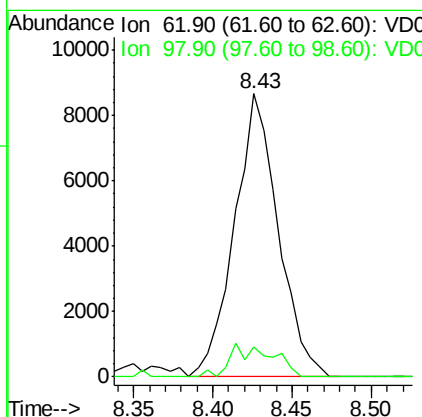
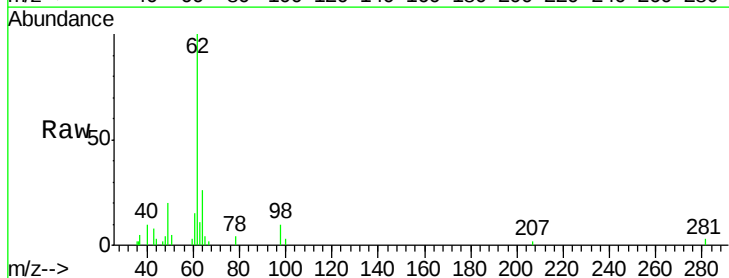
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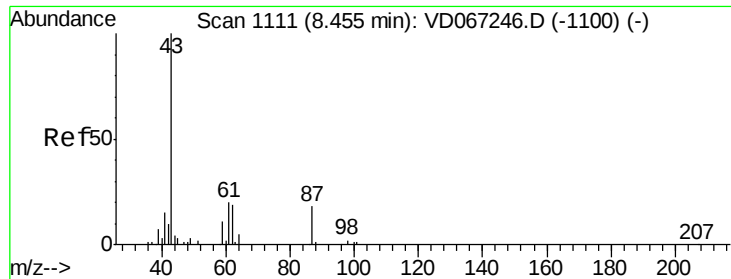
MMDadoda
10/14/2020 2:10:26 PM



#42
1,2-Dichloroethane
Concen: 4.293 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	19.4





#43

Isopropyl Acetate

Concen: 3.847 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067254.D

Acq: 13 Oct 2020 16:09

Instrument :

MSVOA_D

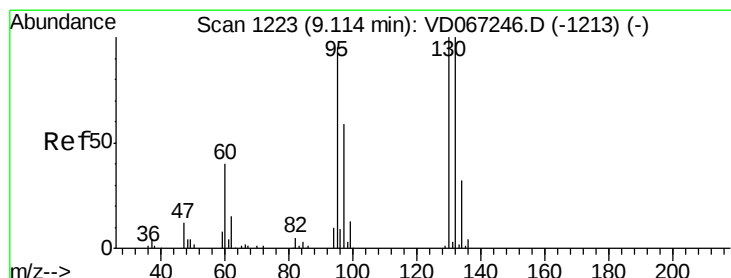
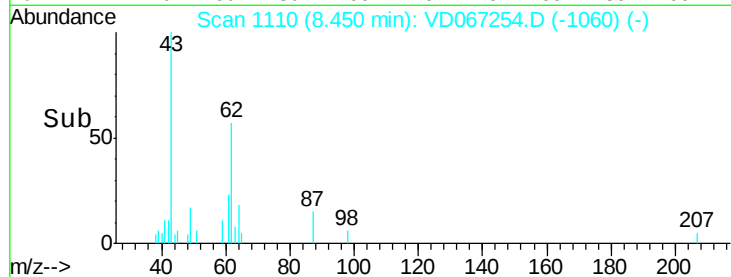
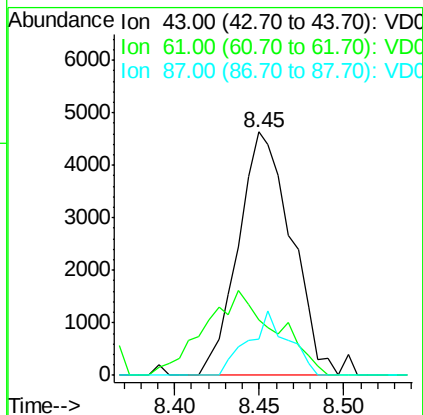
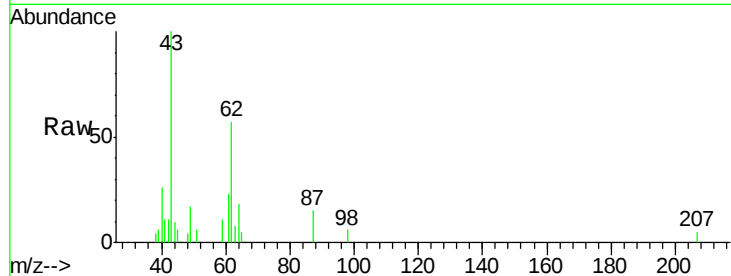
ClientSampleId :

VD1015

Tot Ion:	43	Resp:	10109
Ion	Ratio	Lower	Upper
43	100		
61	46.9	29.5	44.3#
87	19.7	14.2	21.4

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#44

Trichloroethene

Concen: 4.430 ug/l

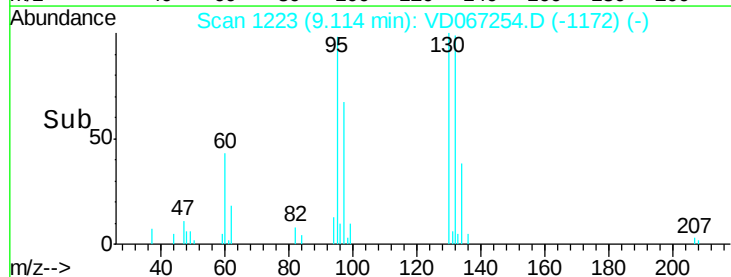
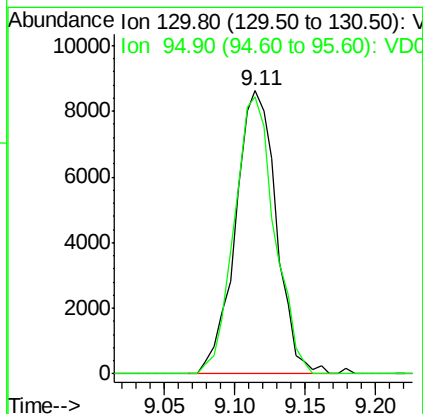
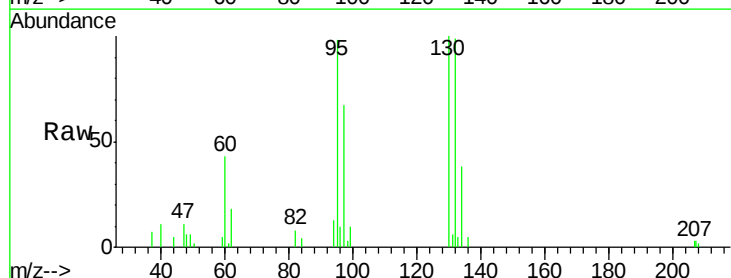
RT: 9.11 min Scan# 1223

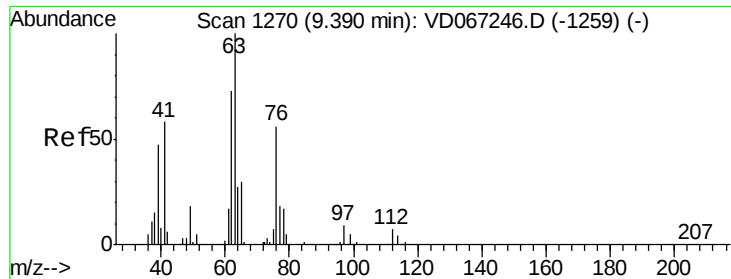
Delta R.T. 0.00 min

Lab File: VD067254.D

Acq: 13 Oct 2020 16:09

Tgt Ion:	130	Resp:	17514
Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	190.6





#45

1,2-Dichloropropane

Concen: 4.232 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD067254.D

Acq: 13 Oct 2020 16:09

Instrument :

MSVOA_D

ClientSampleId :

VD1015

Tot Ion: 63 Resp: 12112

Ion Ratio Lower Upper

63 100

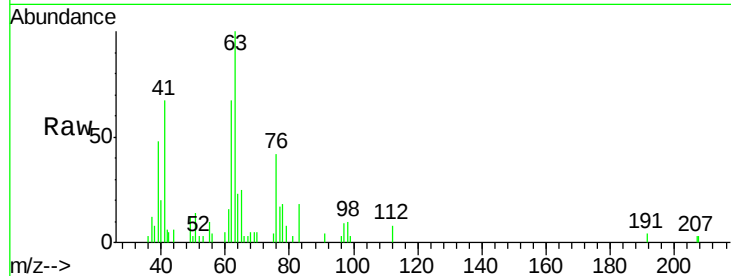
65 24.9 24.6 36.8

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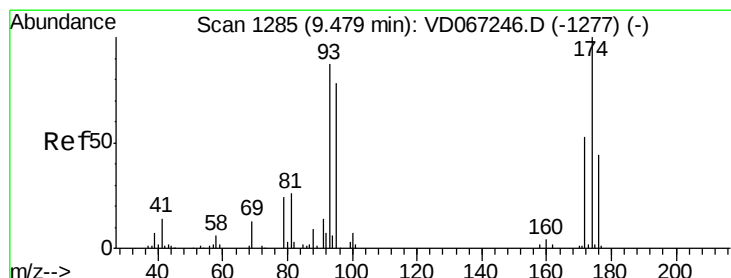
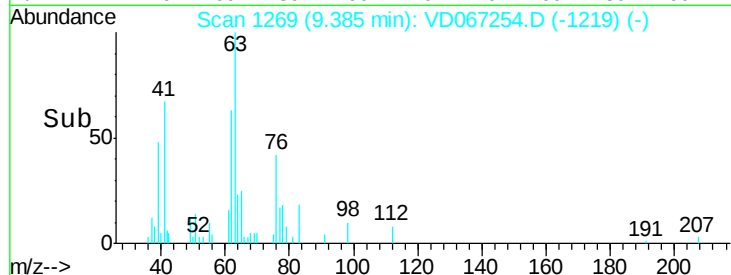
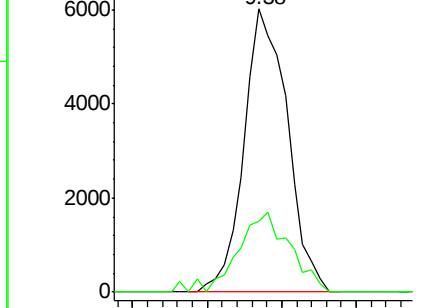
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 4.199 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD067254.D

Acq: 13 Oct 2020 16:09

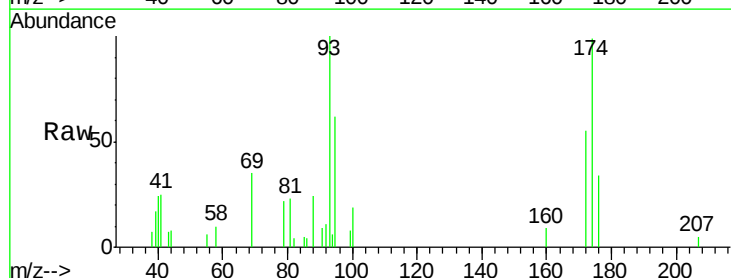
Tgt Ion: 93 Resp: 7488

Ion Ratio Lower Upper

93 100

95 84.0 68.0 102.0

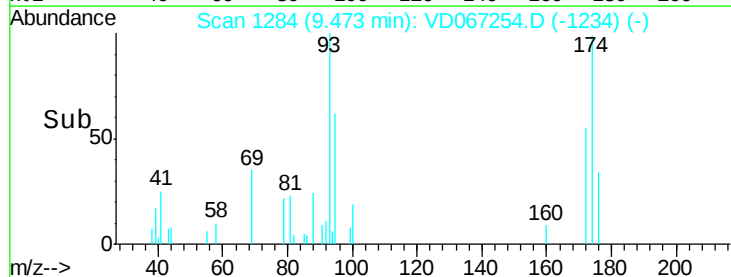
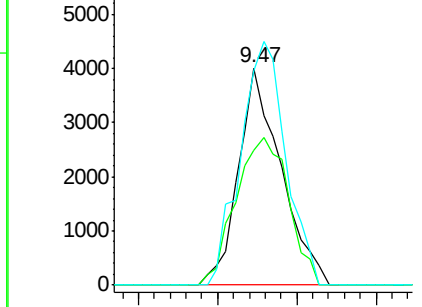
174 119.1 91.8 137.6

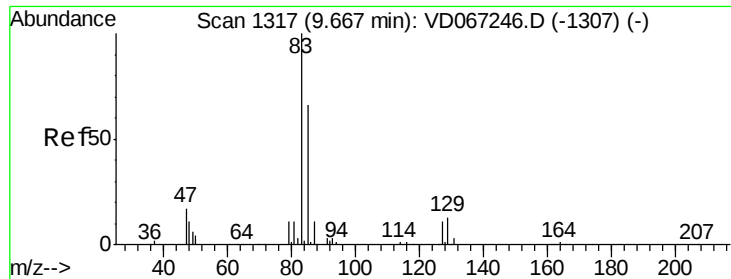


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 4.176 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067254.D

Acq: 13 Oct 2020 16:09

Instrument :

MSVOA_D

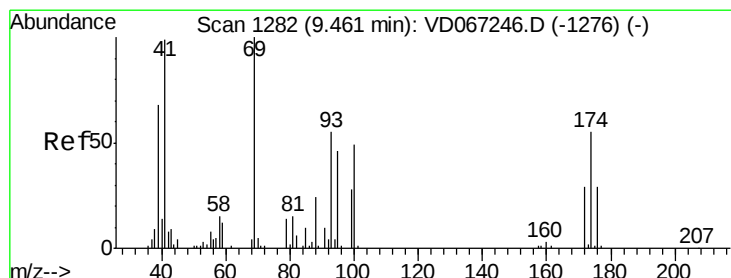
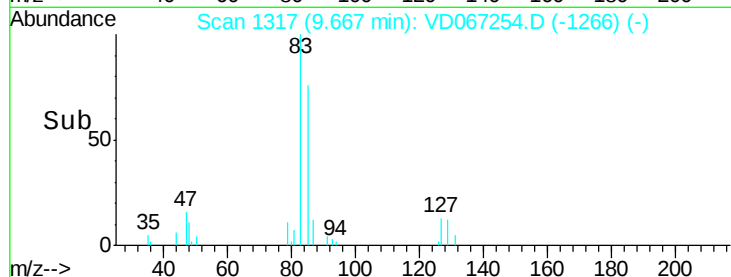
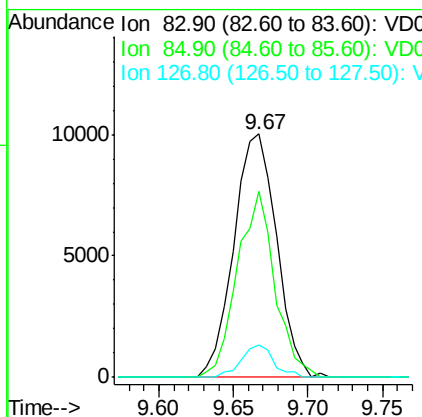
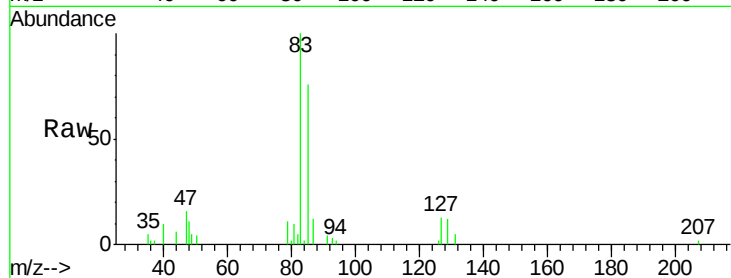
ClientSampleId :

VD1015

Tot Ion:	83	Resp:	19949
Ion	Ratio	Lower	Upper
83	100		
85	76.5	53.1	79.7
127	13.2	8.6	13.0#

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.048 ug/l

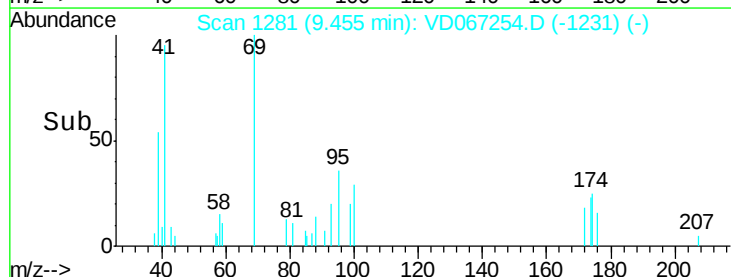
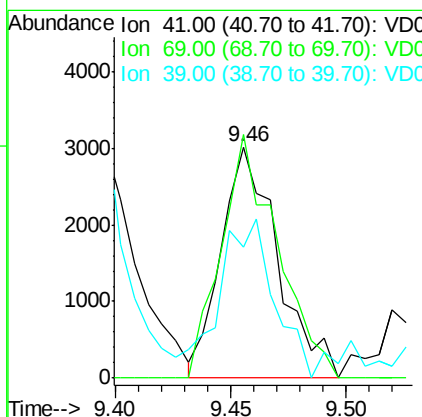
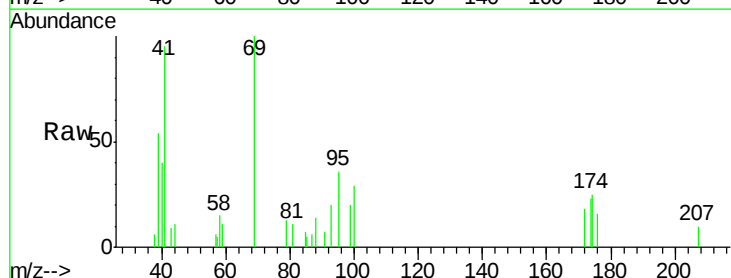
RT: 9.46 min Scan# 1281

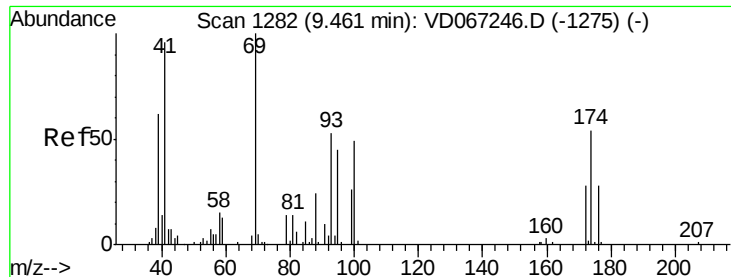
Delta R.T. -0.01 min

Lab File: VD067254.D

Acq: 13 Oct 2020 16:09

Tgt Ion:	41	Resp:	5170
Ion	Ratio	Lower	Upper
41	100		
69	104.4	89.0	133.6
39	66.4	60.2	90.2





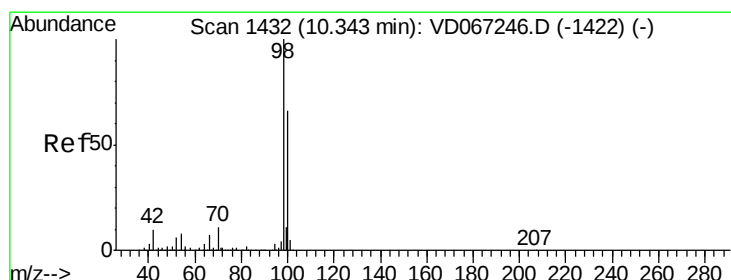
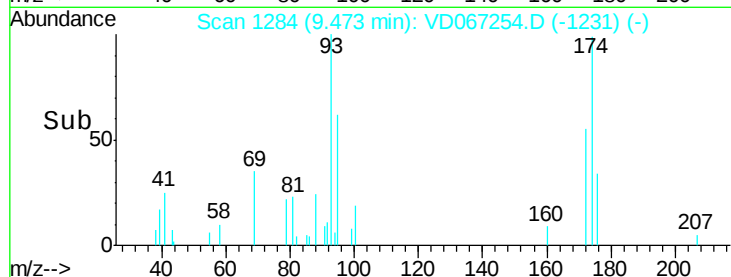
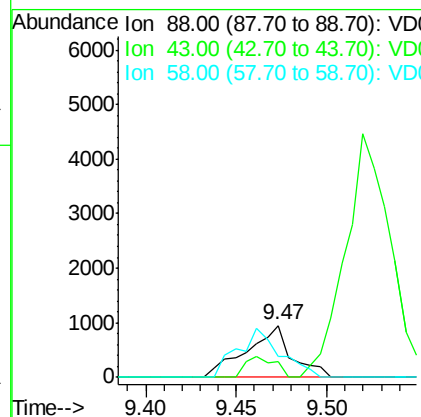
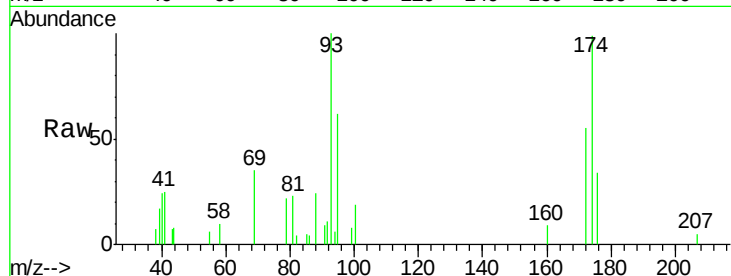
#49
1,4-Dioxane
Concen: 88.017 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Instrument :
MSVOA_D
ClientSampleId :
VD1015

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.5	23.9	35.9
58	89.2	51.0	76.6

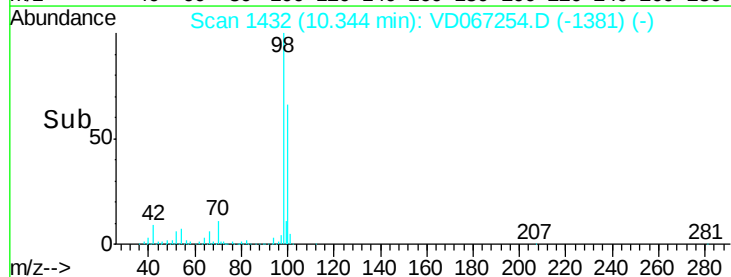
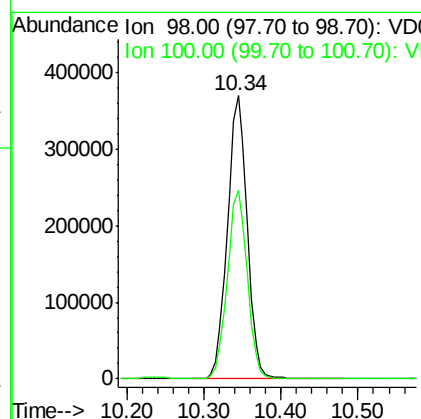
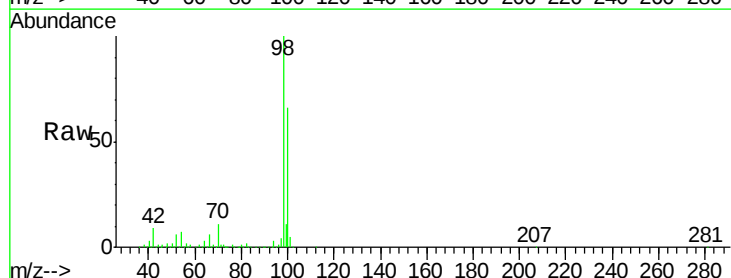
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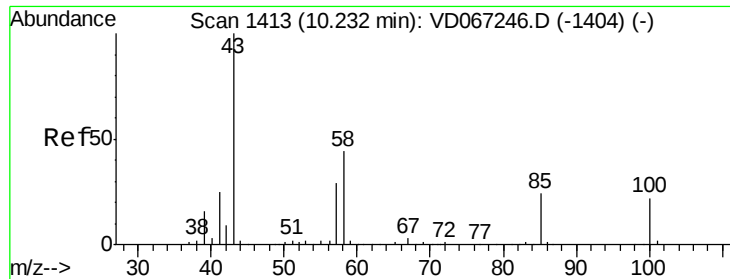
MMDadoda
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#50
Toluene-d8
Concen: 51.762 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.1	79.7





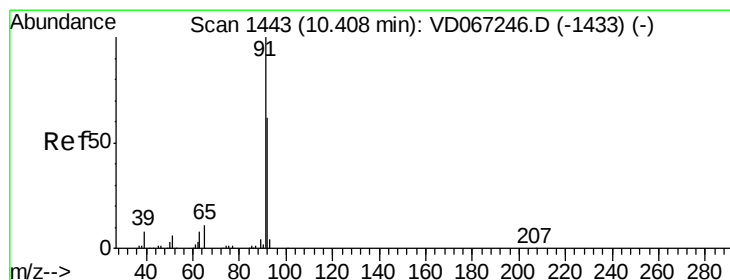
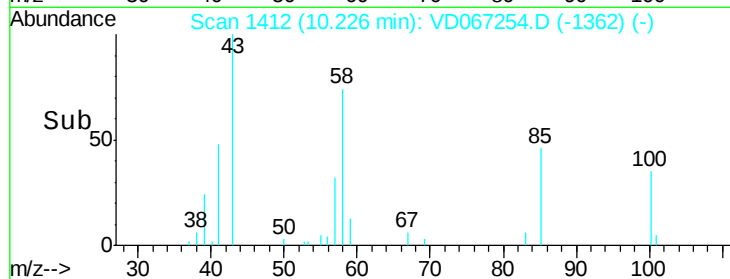
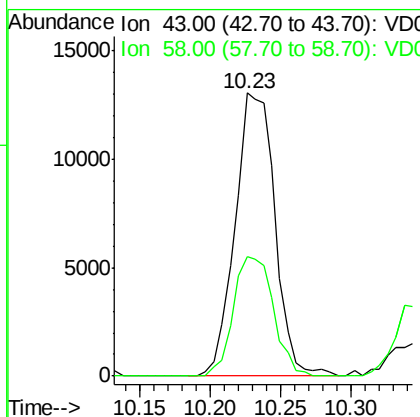
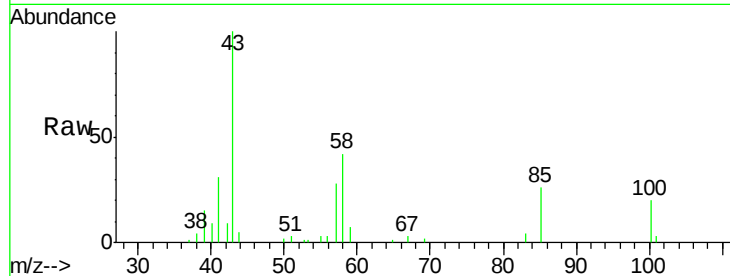
#51
4-Methyl-2-Pentanone
Concen: 19.673 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.01 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Instrument :
MSVOA_D
ClientSampled :
VD1015

Tot Ion: 43 Resp: 25787
Ion Ratio Lower Upper
43 100
58 42.3 35.7 53.5

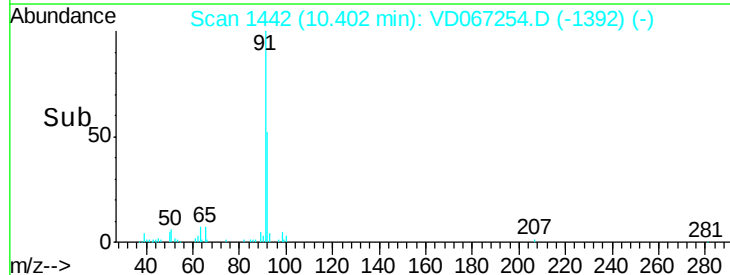
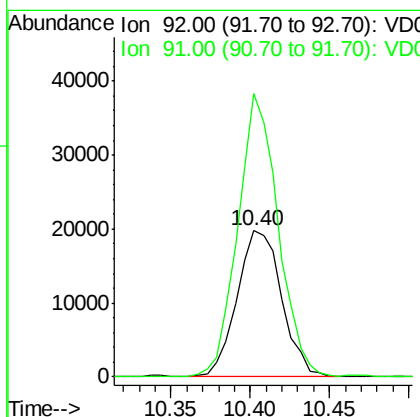
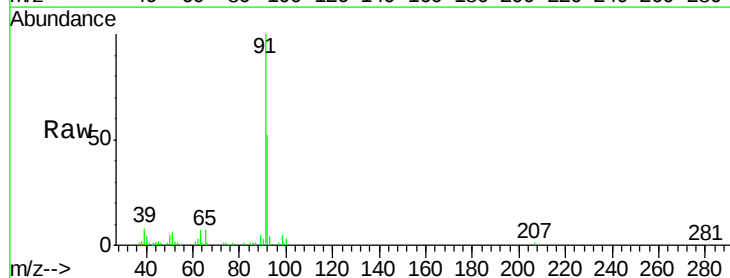
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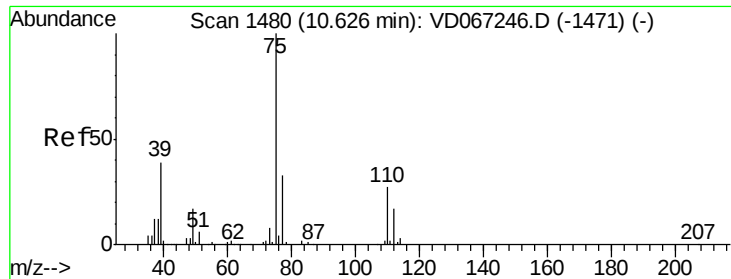
MMDadoda
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#52
Toluene
Concen: 4.603 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Tgt Ion: 92 Resp: 38713
Ion Ratio Lower Upper
92 100
91 174.5 133.8 200.8





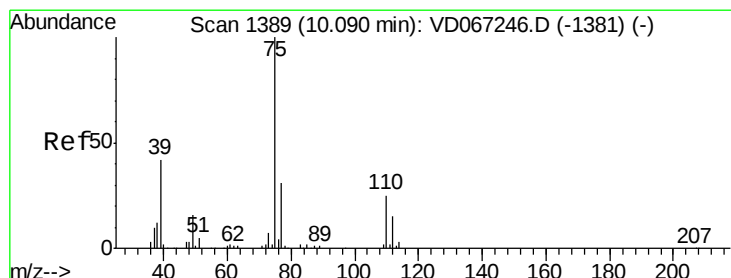
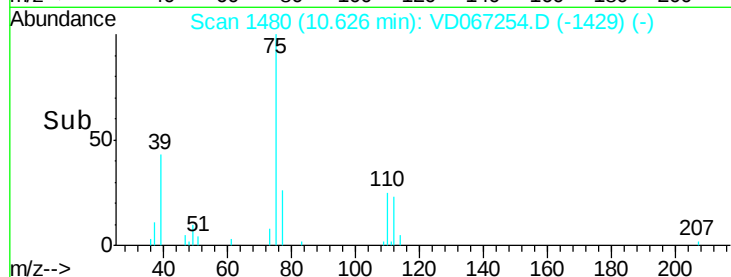
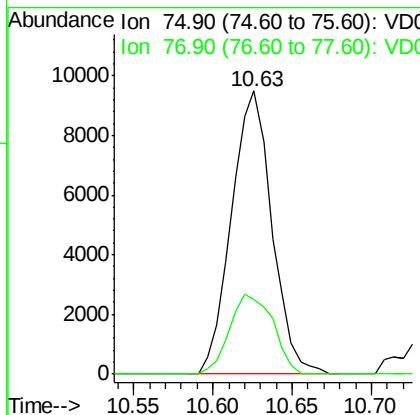
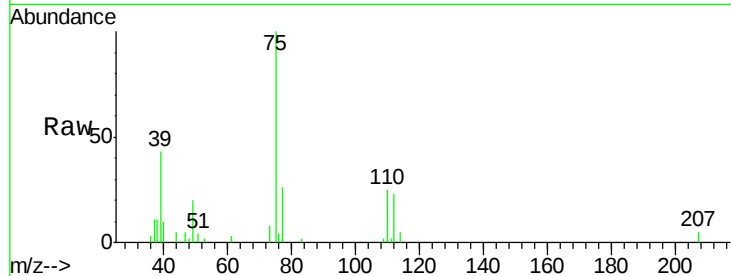
#53
 t-1,3-Dichloropropene
 Concen: 4.007 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD067254.D
 Acq: 13 Oct 2020 16:09

Instrument :
 MSVOA_D
 ClientSampled :
 VD1015

Tot Ion: 75 Resp: 16817
 Ion Ratio Lower Upper
 75 100
 77 26.5 26.5 39.7

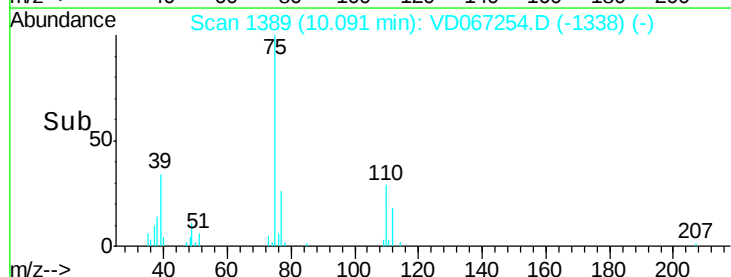
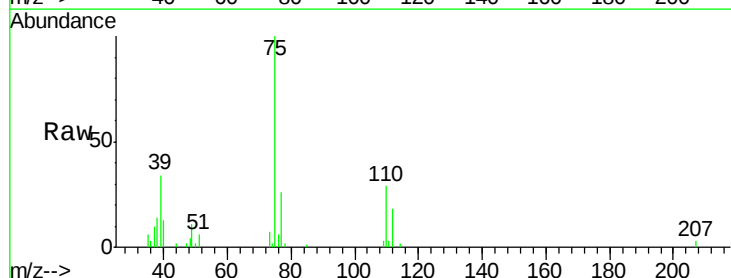
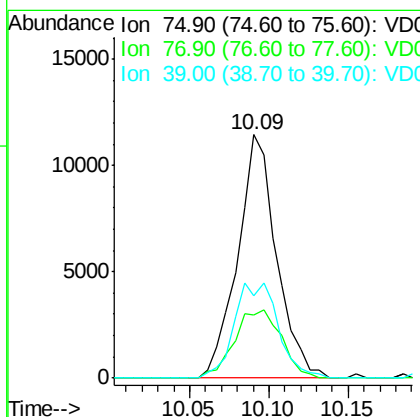
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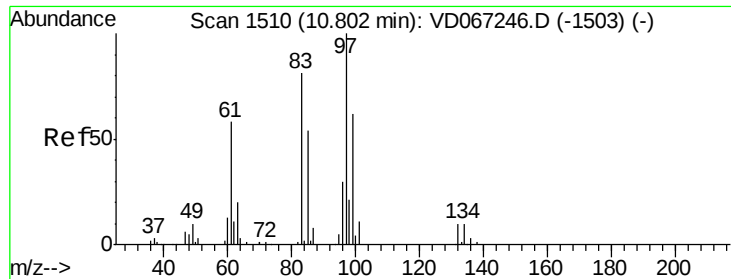
MMDadoda
 10/14/2020 2:10:26 PM



#54
 cis-1,3-Dichloropropene
 Concen: 3.961 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD067254.D
 Acq: 13 Oct 2020 16:09

Tgt Ion: 75 Resp: 19453
 Ion Ratio Lower Upper
 75 100
 77 25.7 24.5 36.7
 39 33.7 33.7 50.5





#55

1,1,2-Trichloroethane

Concen: 4.172 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067254.D

Acq: 13 Oct 2020 16:09

Instrument :

MSVOA_D

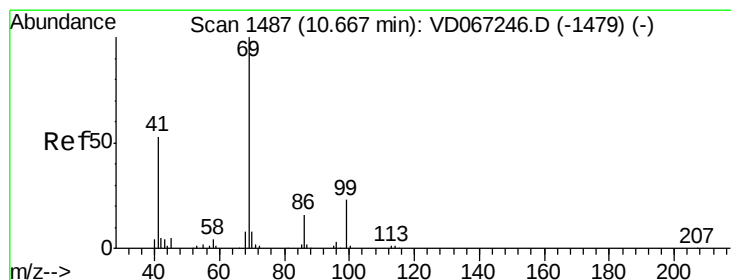
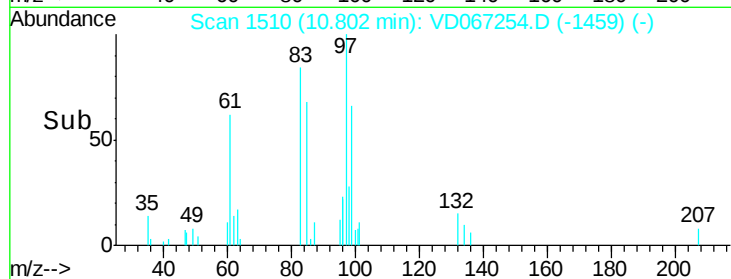
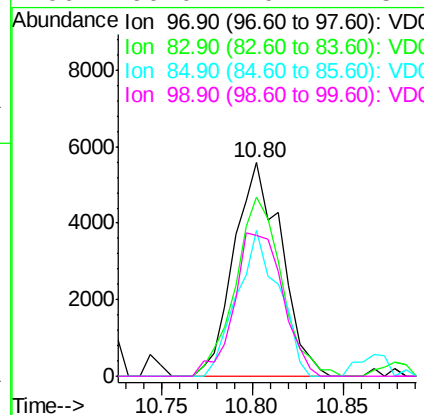
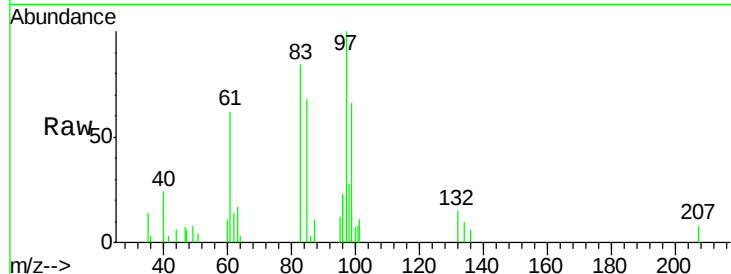
ClientSampleId :

VD1015

Tot Ion:	97	Resp:	10144
Ion	Ratio	Lower	Upper
97	100		
83	84.2	64.9	97.3
85	68.2	43.3	64.9#
99	66.0	49.1	73.7

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#56

Ethyl methacrylate

Concen: 3.819 ug/l

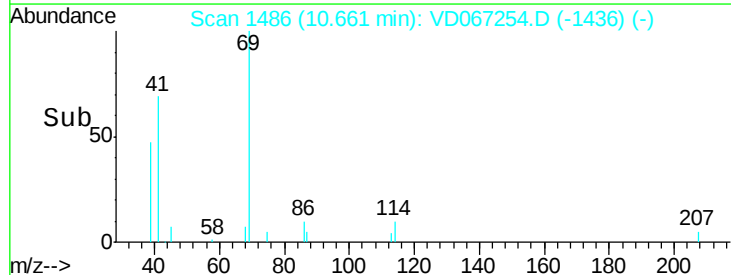
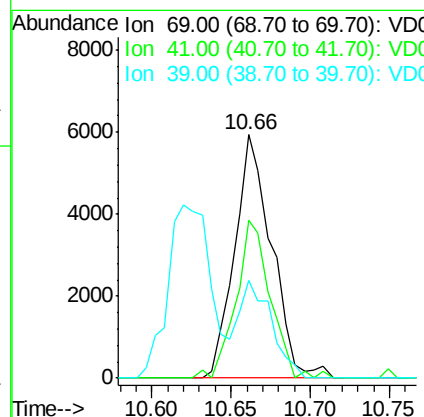
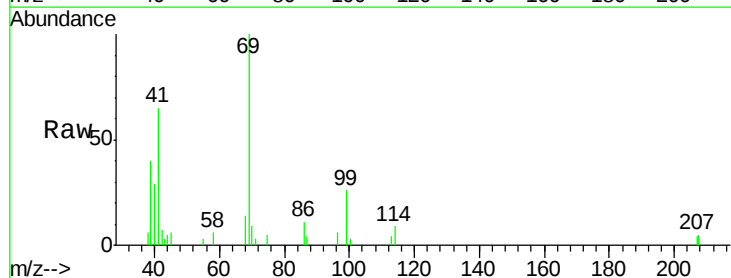
RT: 10.66 min Scan# 1486

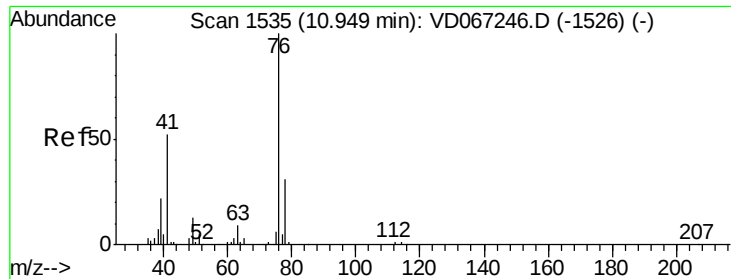
Delta R.T. -0.01 min

Lab File: VD067254.D

Acq: 13 Oct 2020 16:09

Tgt Ion:	69	Resp:	9630
Ion	Ratio	Lower	Upper
69	100		
41	59.6	44.7	67.1
39	34.7	26.2	39.2





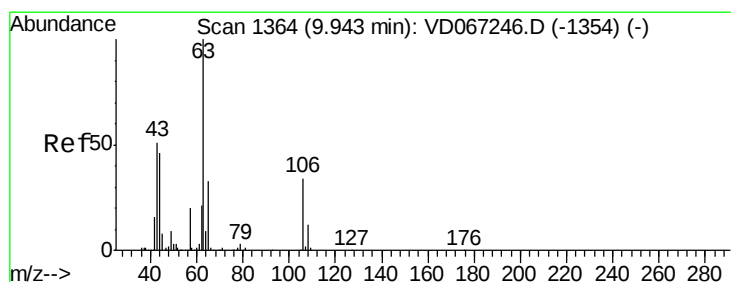
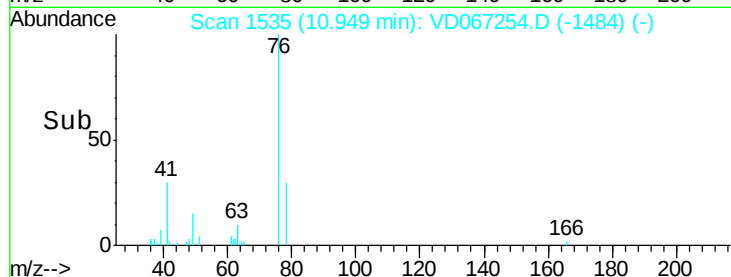
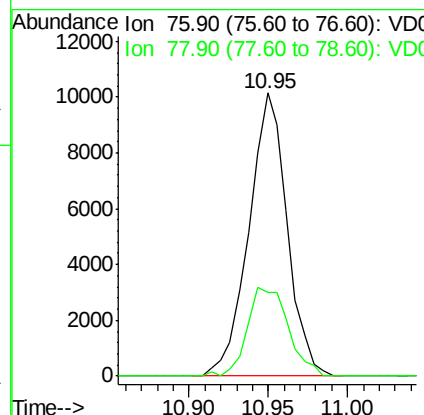
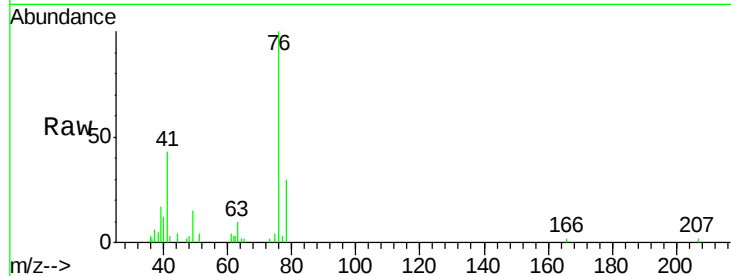
#57
 1,3-Dichloropropane
 Concen: 4.399 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067254.D
 Acq: 13 Oct 2020 16:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.6	26.8	40.2

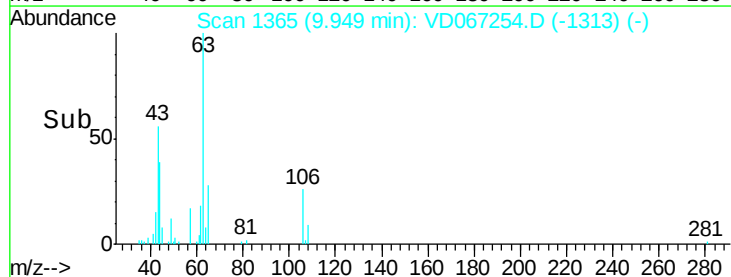
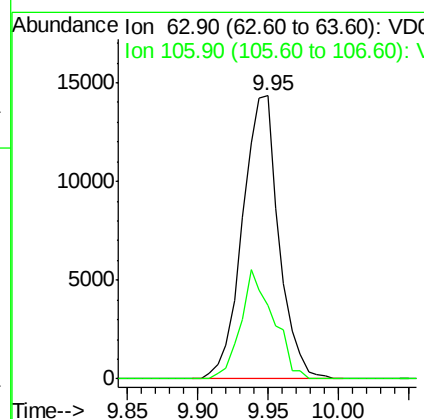
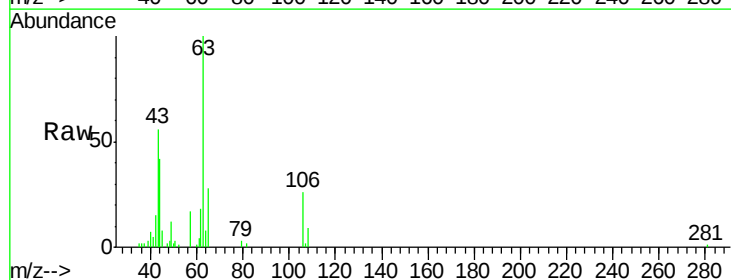
Manual Integrations
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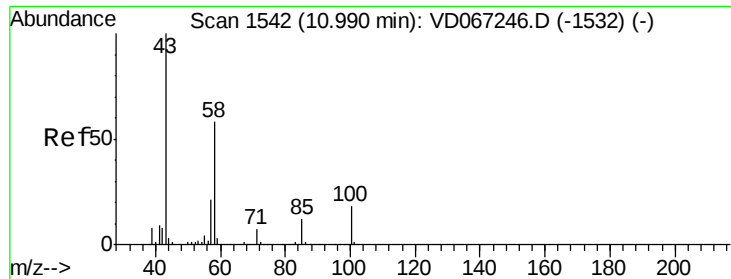
MMDadoda
 10/14/2020 2:10:26 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 19.977 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD067254.D
 Acq: 13 Oct 2020 16:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	34.6	27.8	41.6





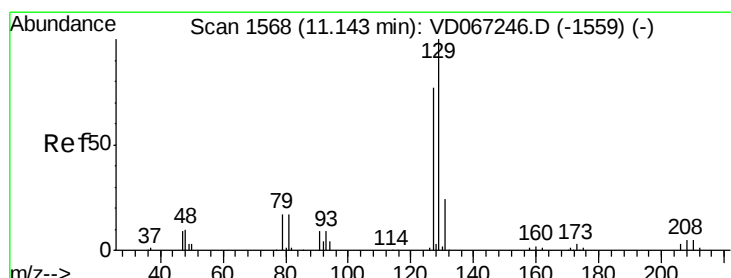
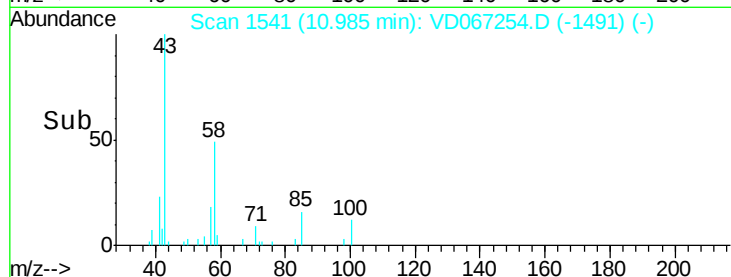
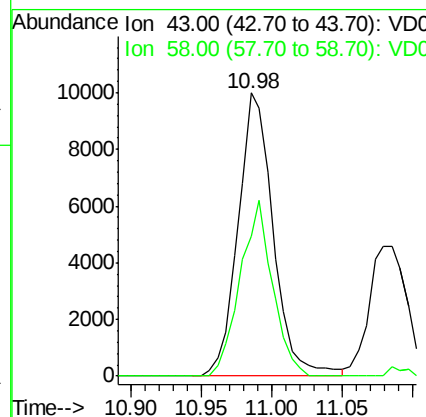
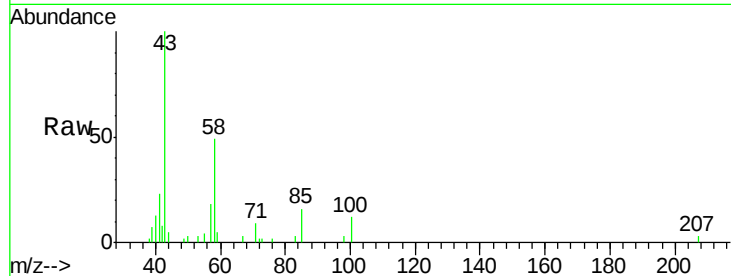
#59
2-Hexanone
Concen: 19.463 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Instrument :
MSVOA_D
ClientSampled :
VD1015

Tot Ion: 43 Resp: 17433
Ion Ratio Lower Upper
43 100
58 56.8 29.3 87.9

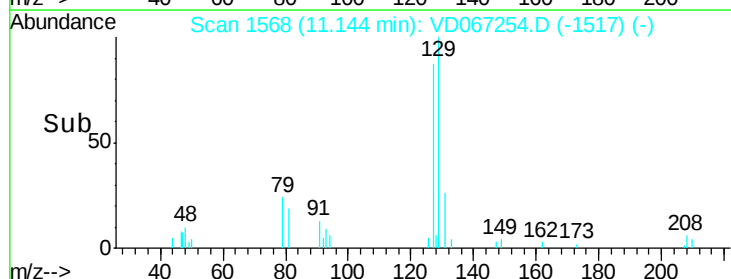
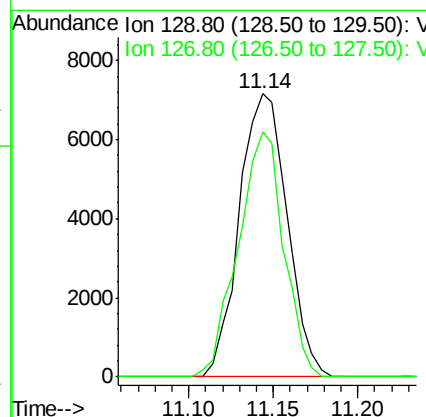
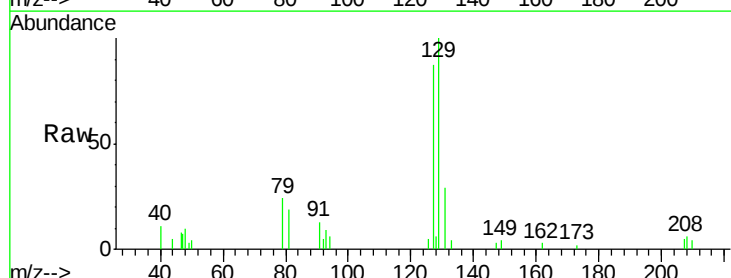
Manual Integrations
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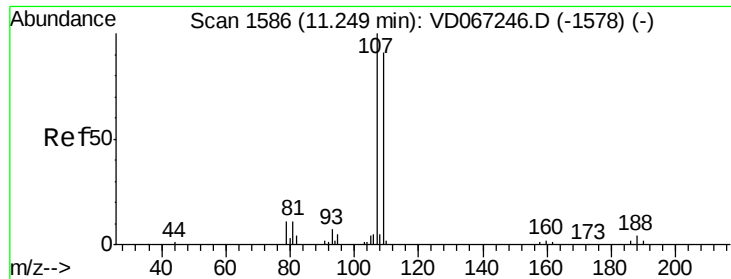
MMDadoda
10/14/2020 2:10:26 PM



#60
Dibromochloromethane
Concen: 3.973 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Tgt Ion: 129 Resp: 14088
Ion Ratio Lower Upper
129 100
127 82.7 38.3 114.8





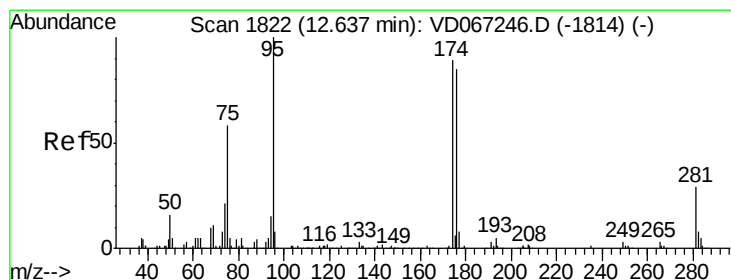
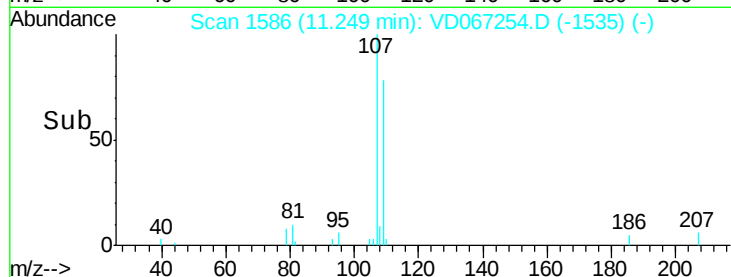
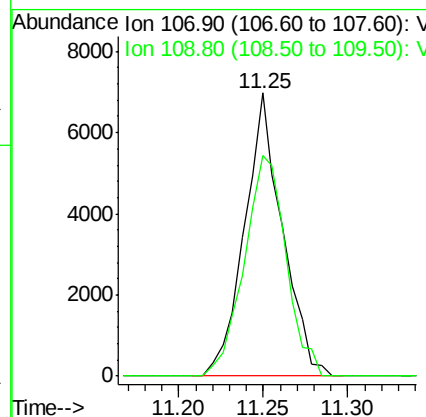
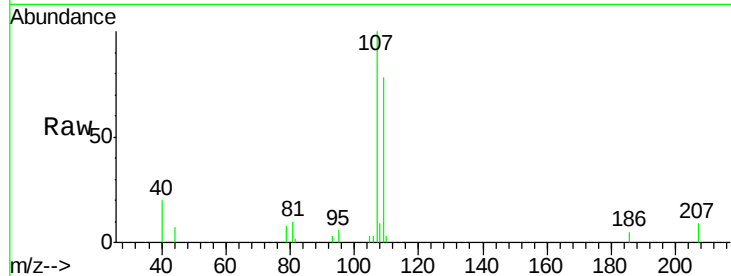
#61
 1,2-Dibromoethane
 Concen: 4.544 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067254.D
 Acq: 13 Oct 2020 16:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015

Tot Ion	Ratio	Resp	Lower	Upper
107	100	10893		
109	85.9	74.6	112.0	

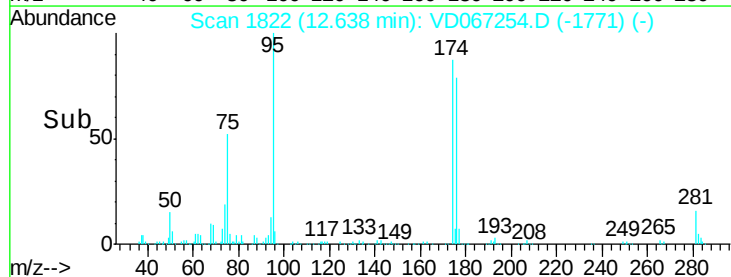
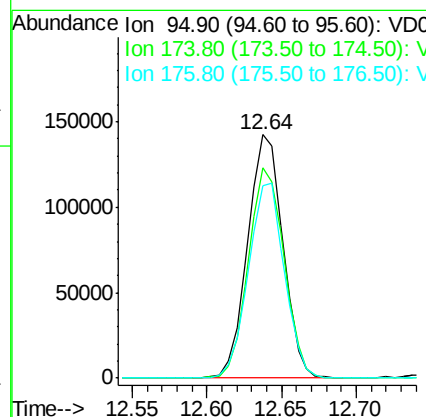
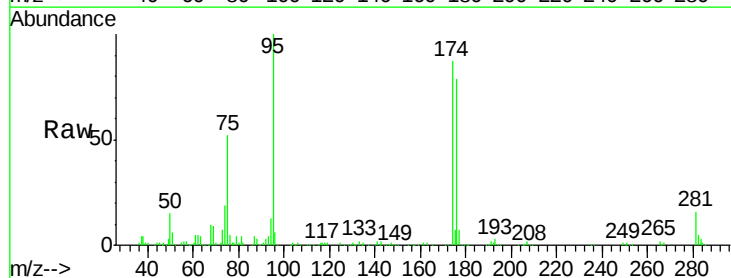
Manual Integrations
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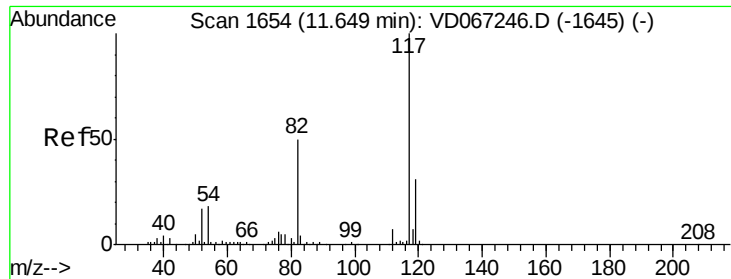
MMDadoda
 10/14/2020 2:10:26 PM



#62
 4-Bromofluorobenzene
 Concen: 52.199 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067254.D
 Acq: 13 Oct 2020 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	232167		
174	87.6	0.0	175.2	
176	82.0	0.0	168.6	





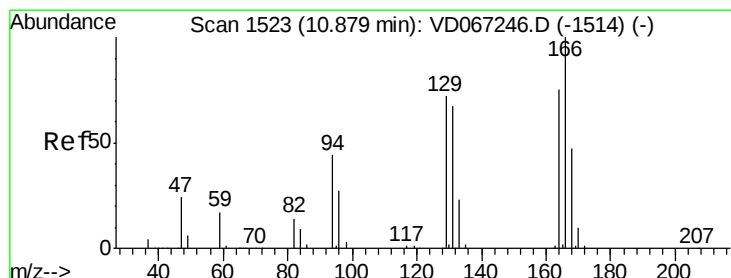
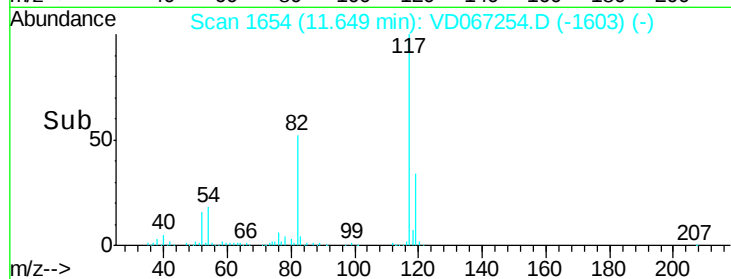
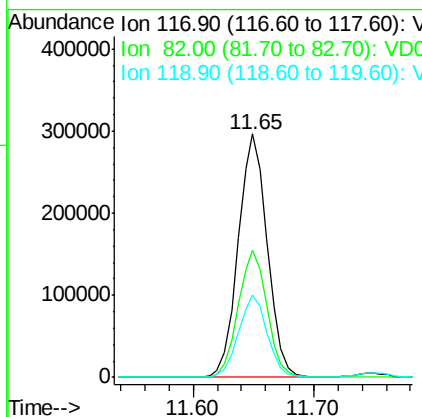
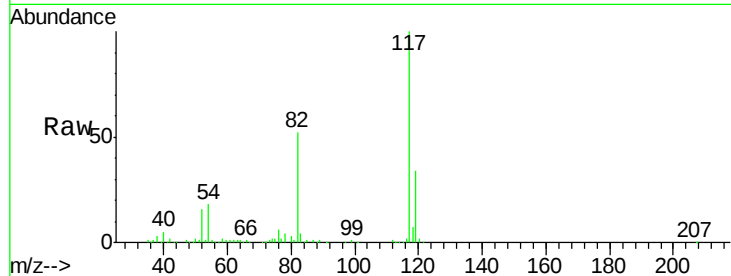
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Instrument :
MSVOA_D
ClientSampleId :
VD1015

Tot Ion	Ratio	Resp	Lower	Upper
117	100	496791		
82	52.0		39.9	59.9
119	33.7		24.9	37.3

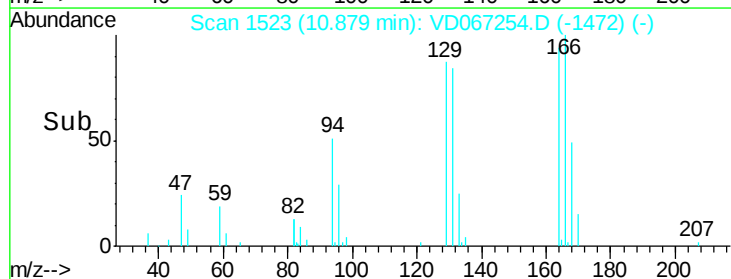
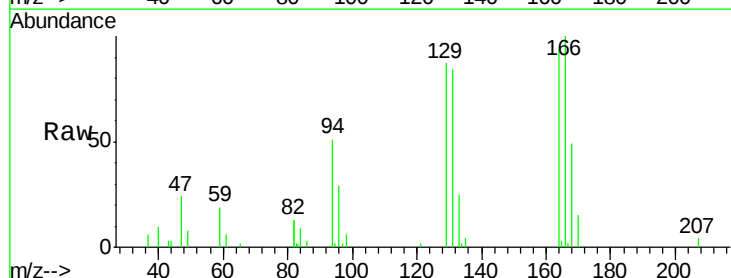
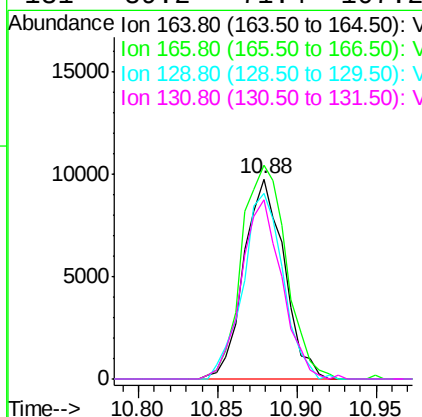
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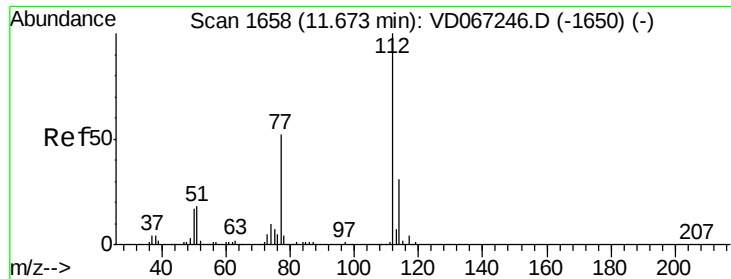
MMDadoda
10/14/2020 2:10:26 PM



#64
Tetrachloroethene
Concen: 4.786 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	17226		
166	106.6		107.3	160.9#
129	93.0		77.3	115.9
131	89.2		71.4	107.2





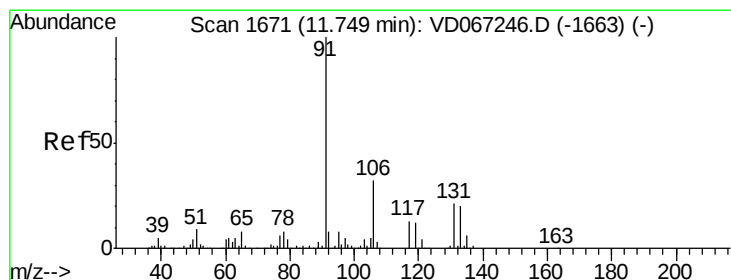
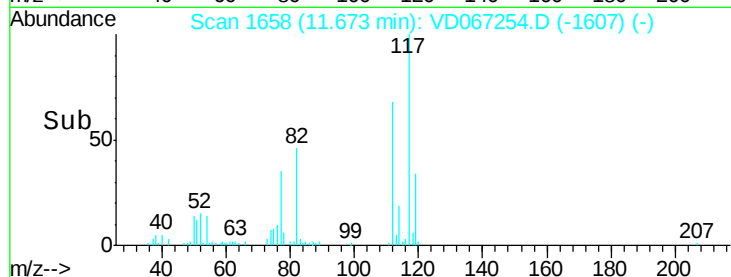
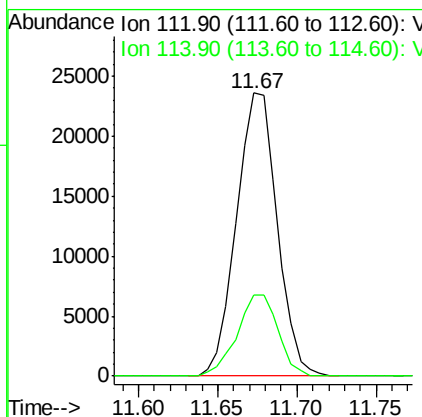
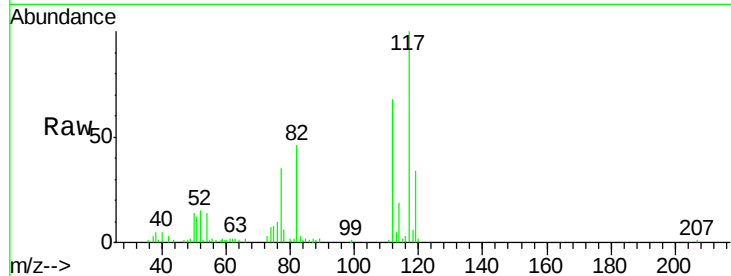
#65
Chlorobenzene
Concen: 4.413 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Instrument :
MSVOA_D
ClientSampleId :
VD1015

Tot Ion:112 Resp: 42042
Ion Ratio Lower Upper
112 100
114 28.5 25.0 37.4

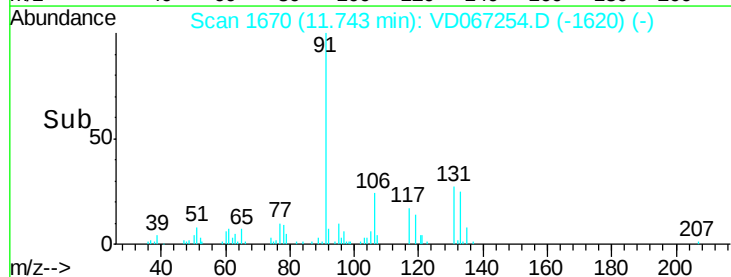
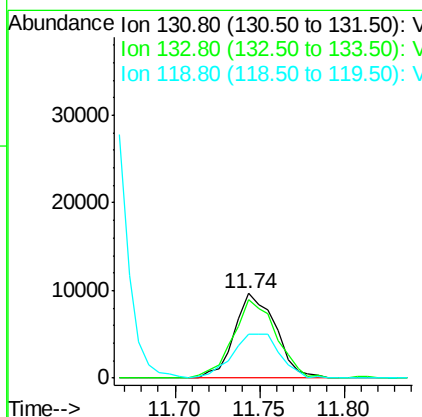
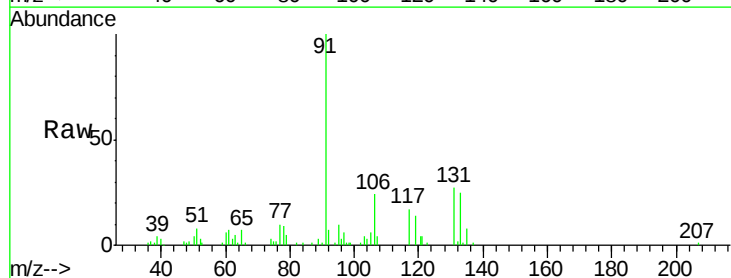
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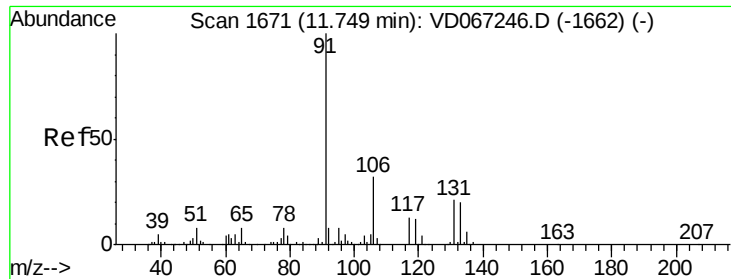
MMDadoda
10/14/2020 2:10:26 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.312 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Tgt Ion:131 Resp: 16325
Ion Ratio Lower Upper
131 100
133 97.8 48.1 144.3
119 60.8 30.0 90.0





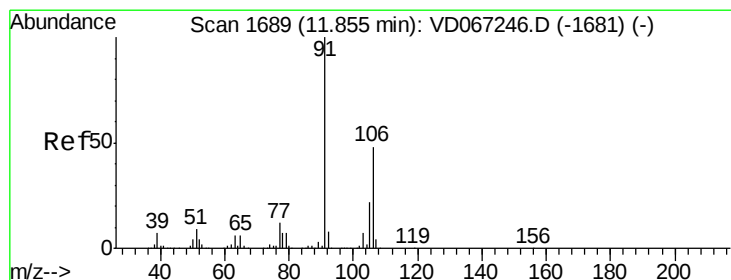
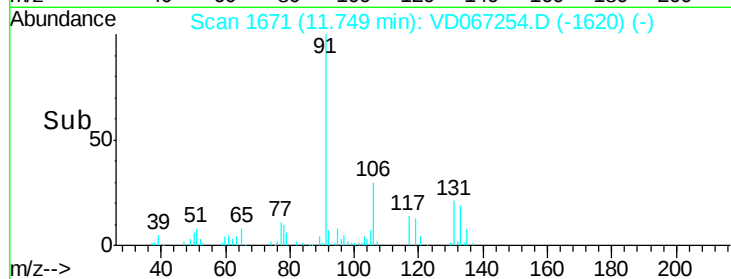
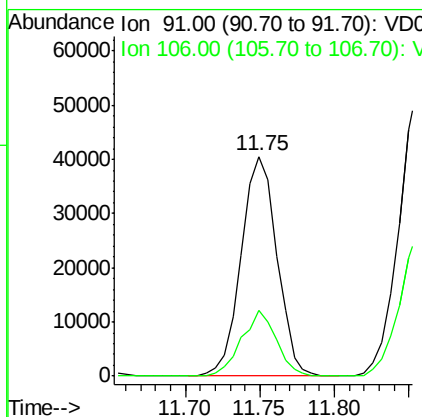
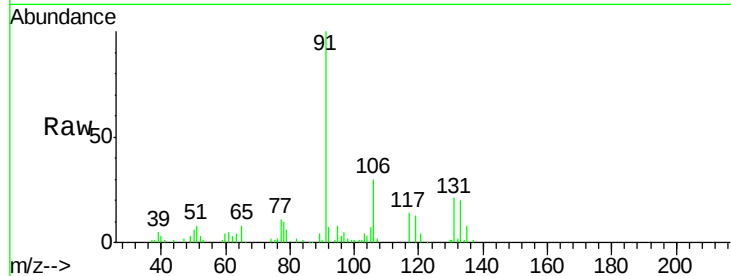
#67
Ethyl Benzene
Concen: 4.125 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Instrument :
MSVOA_D
ClientSampleId :
VD1015

Tot Ion: 91 Resp: 67366
Ion Ratio Lower Upper
91 100
106 30.2 25.4 38.0

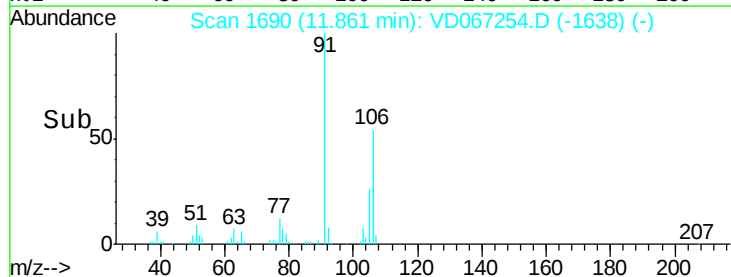
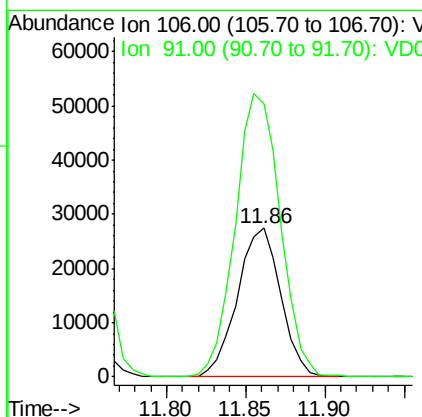
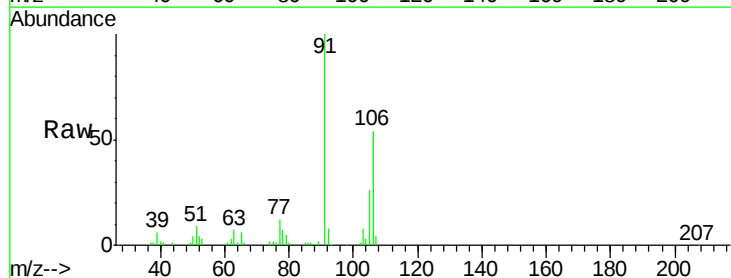
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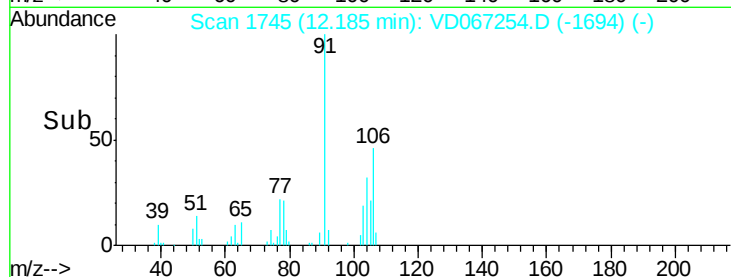
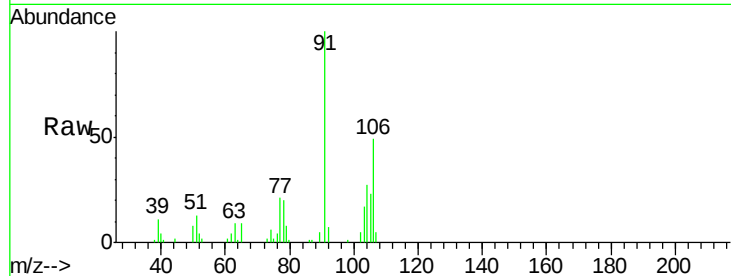
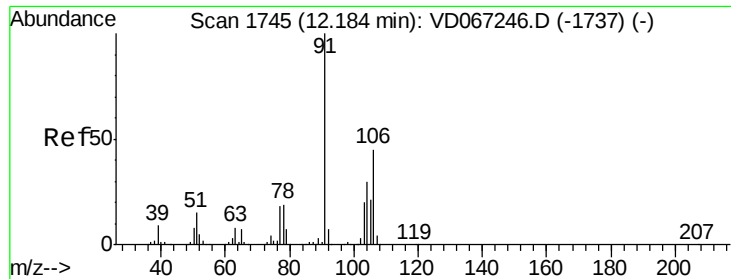
MMDadoda
10/14/2020 2:10:26 PM



#68
m/p-Xylenes
Concen: 8.277 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Tgt Ion: 106 Resp: 52052
Ion Ratio Lower Upper
106 100
91 198.2 163.8 245.8





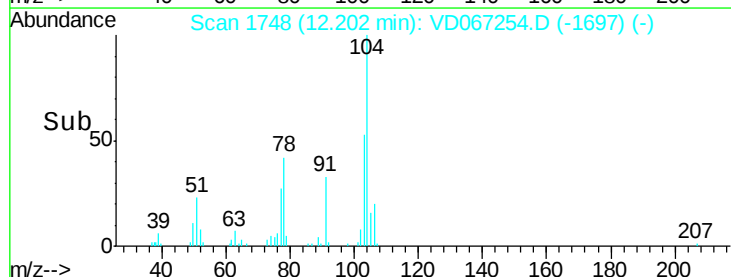
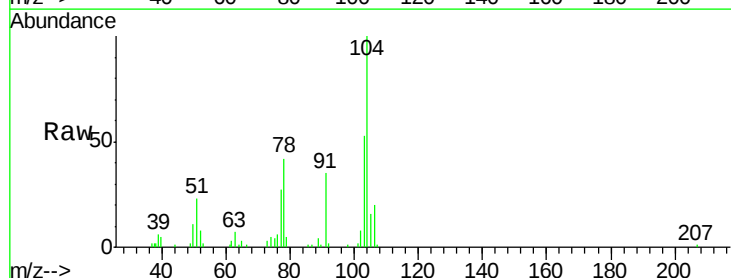
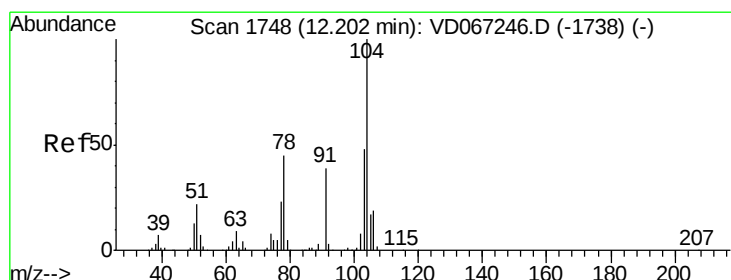
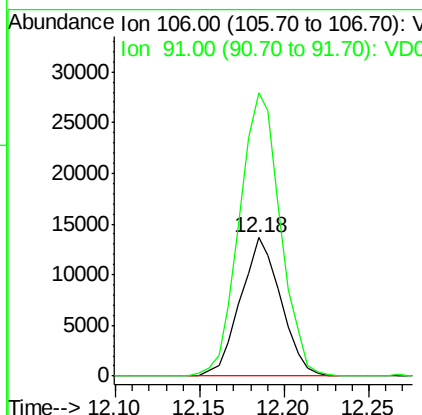
#69
o-Xylene
Concen: 3.908 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Tot Ion:106 Resp: 22755
Ion Ratio Lower Upper
106 100
91 207.8 109.1 327.3

Instrument :
MSVOA_D
ClientSampleId :
VD1015

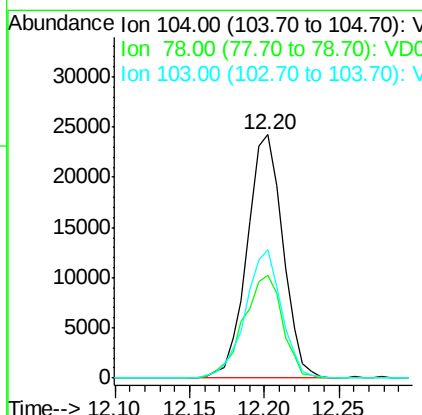
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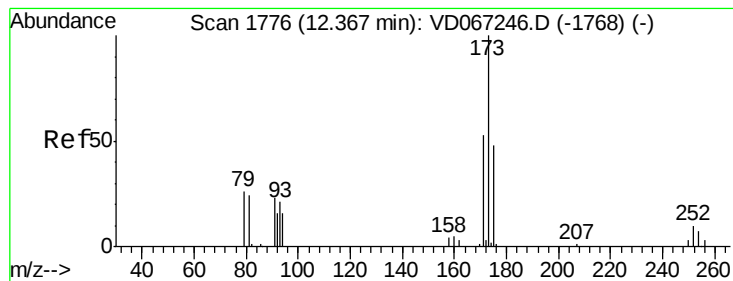
MMDadoda
10/14/2020 2:10:26 PM



#70
Styrene
Concen: 4.003 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Tgt Ion:104 Resp: 40131
Ion Ratio Lower Upper
104 100
78 46.5 39.8 59.6
103 53.4 42.6 64.0





#71

Bromoform

Concen: 4.345 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067254.D

Acq: 13 Oct 2020 16:09

Instrument :

MSVOA_D

ClientSampleId :

VD1015

Tot Ion:173 Resp: 8839

Ion Ratio Lower Upper

173 100

175 52.7 24.2 72.6

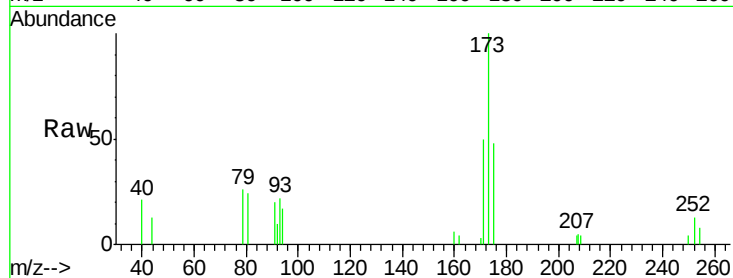
254 0.0 0.1 0.1#

Manual Integrations

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MMDadoda

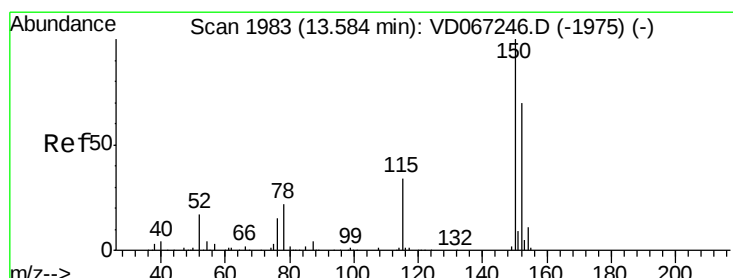
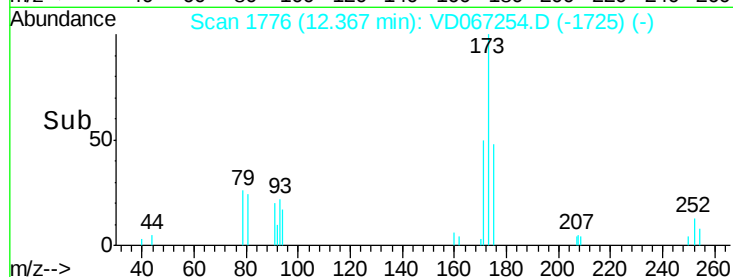
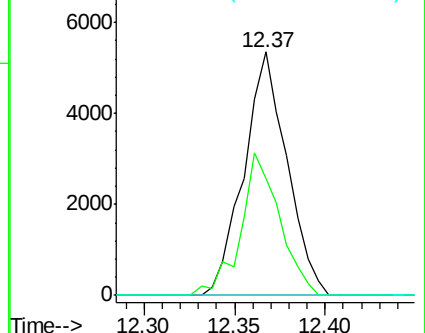
10/14/2020 2:10:26 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD067254.D

Acq: 13 Oct 2020 16:09

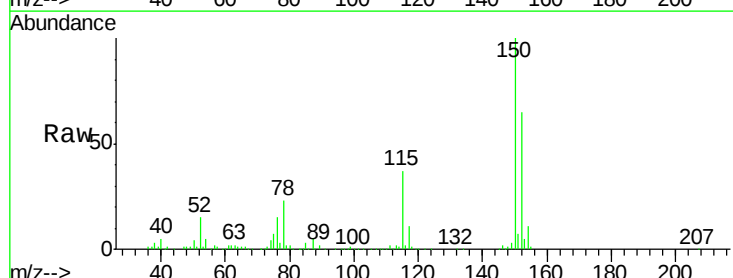
Tgt Ion:152 Resp: 250200

Ion Ratio Lower Upper

152 100

115 58.2 29.3 87.9

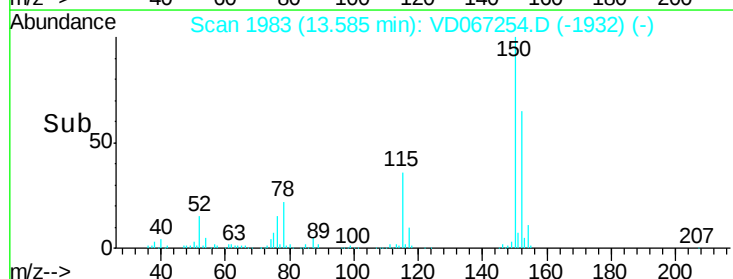
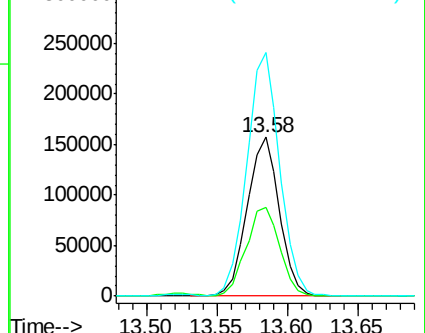
150 157.1 0.0 339.0

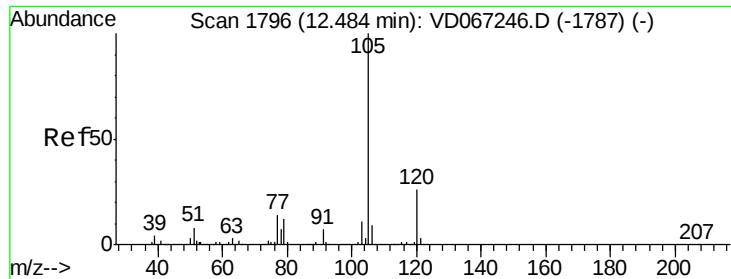


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





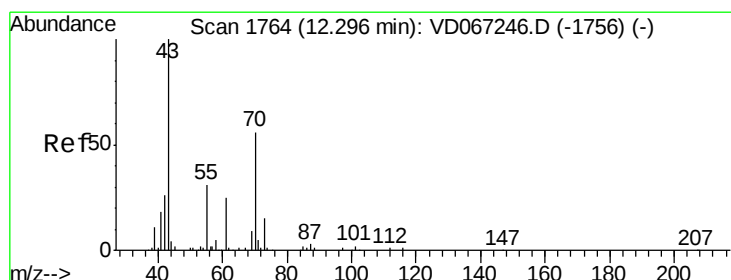
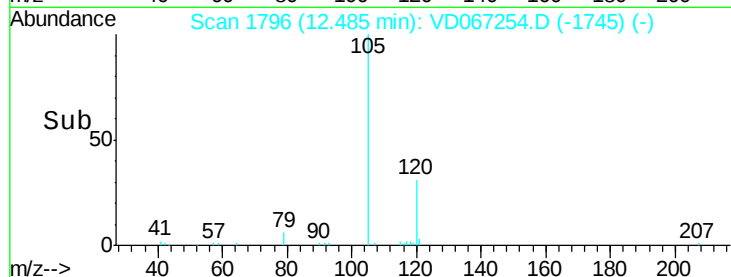
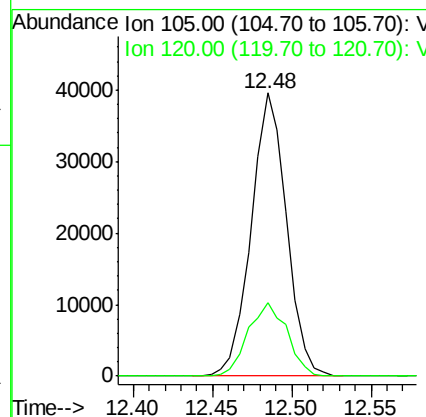
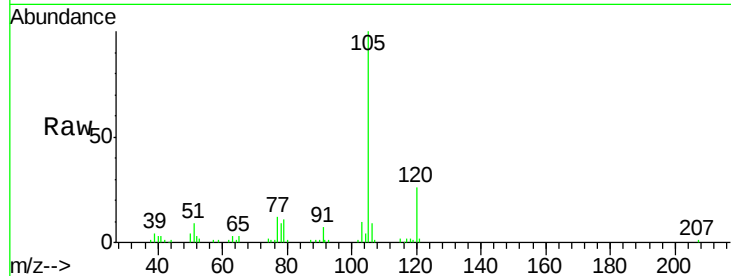
#73
Isopropylbenzene
Concen: 3.861 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Instrument :
MSVOA_D
ClientSampleId :
VD1015

Tot Ion	Ratio	Lower	Upper
105	100		
120	28.7	13.3	39.8

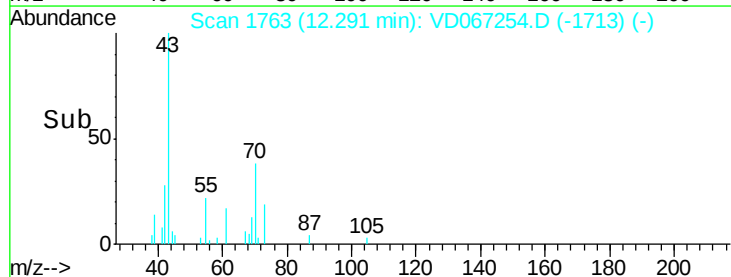
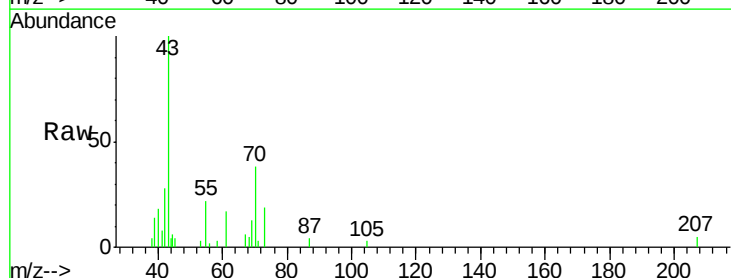
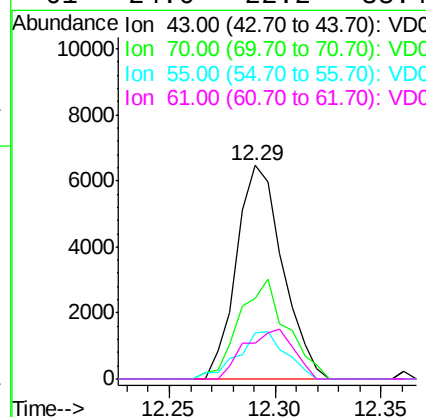
Manual Integrations
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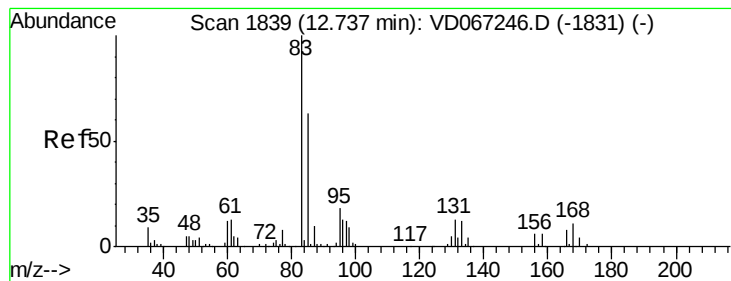
MMDadoda
10/14/2020 2:10:26 PM



#74
N-ethyl acetate
Concen: 4.089 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Tgt Ion	Ratio	Lower	Upper
43	100		
70	48.5	42.7	64.1
55	23.0	24.0	36.0#
61	24.6	22.2	33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 4.235 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067254.D

Acq: 13 Oct 2020 16:09

Instrument :

MSVOA_D

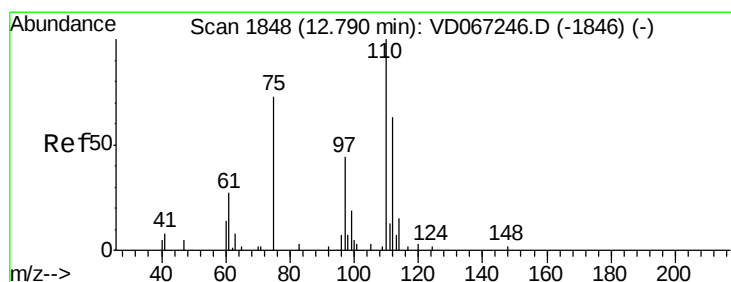
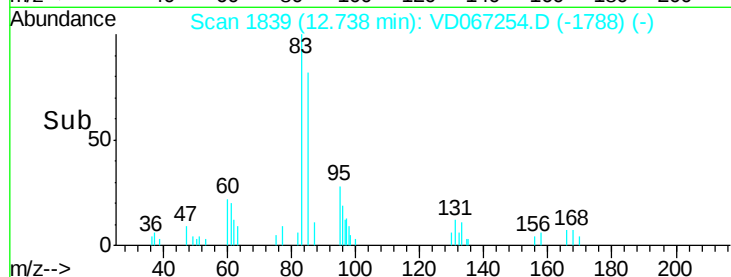
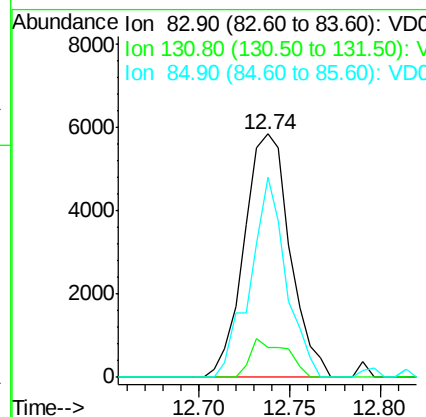
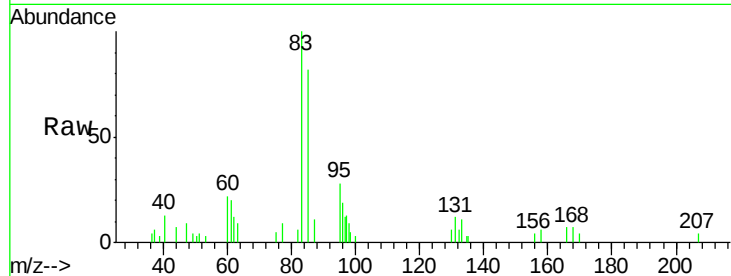
ClientSampleId :

VD1015

Tot Ion:	83	Resp:	10305
Ion Ratio	Lower	Upper	
83	100		
131	12.3	6.5	19.5
85	64.2	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 5.547 ug/l m

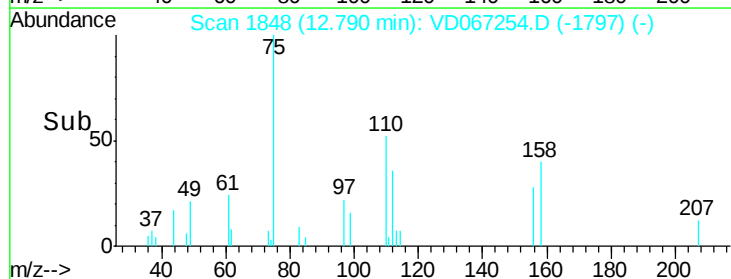
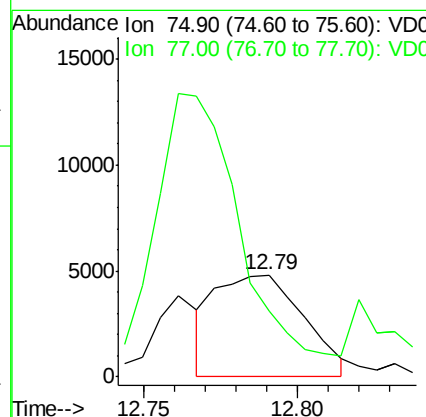
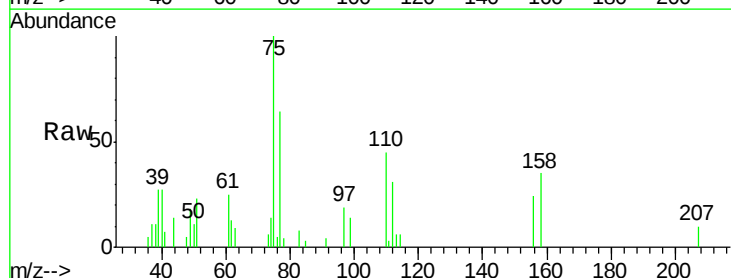
RT: 12.79 min Scan# 1848

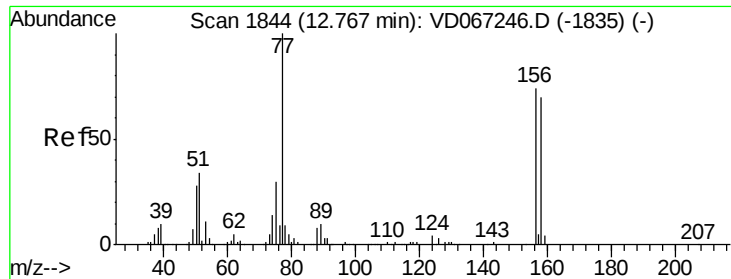
Delta R.T. 0.00 min

Lab File: VD067254.D

Acq: 13 Oct 2020 16:09

Tgt Ion:	75	Resp:	9620
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.552 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067254.D

Acq: 13 Oct 2020 16:09

Instrument :

MSVOA_D

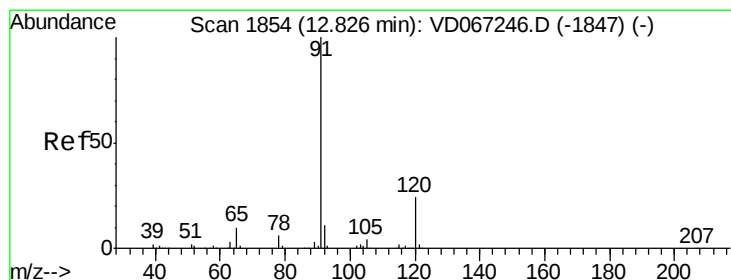
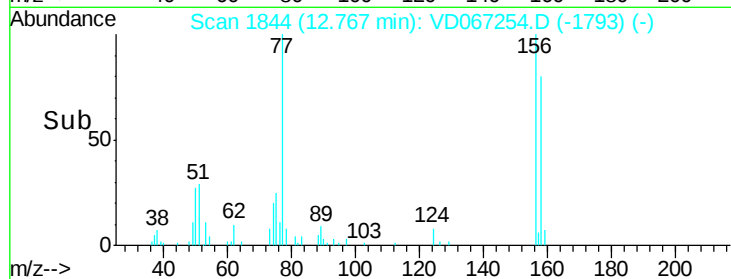
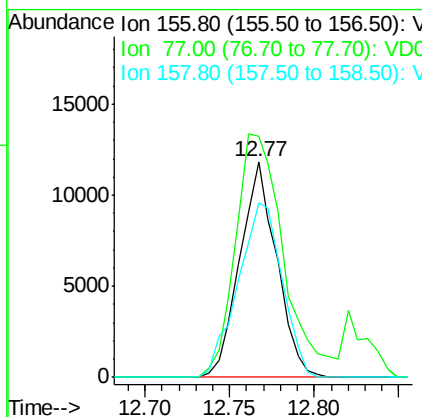
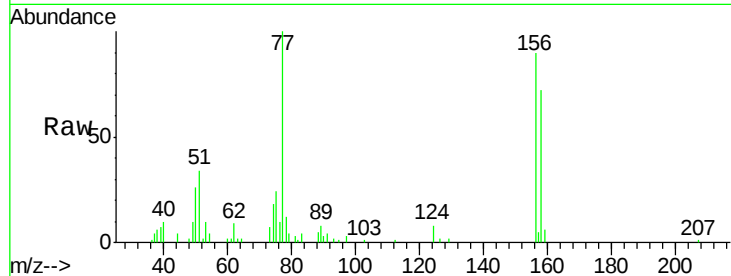
ClientSampleId :

VD1015

Tot Ion	Ratio	Lower	Upper
156	100		
77	145.6	78.0	233.8
158	96.4	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 4.160 ug/l

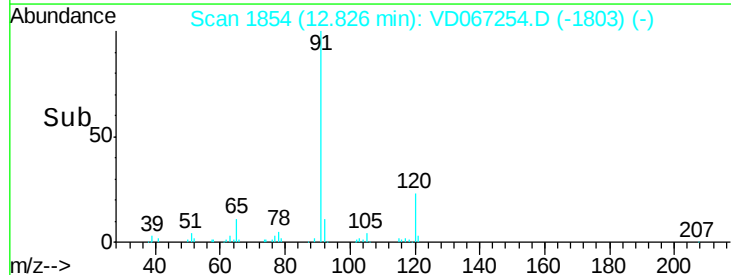
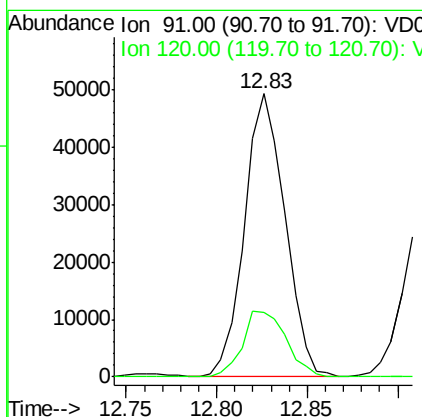
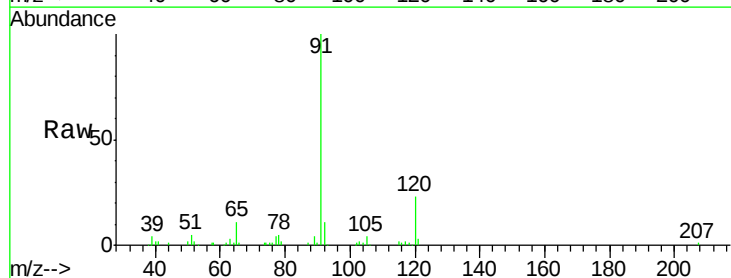
RT: 12.83 min Scan# 1854

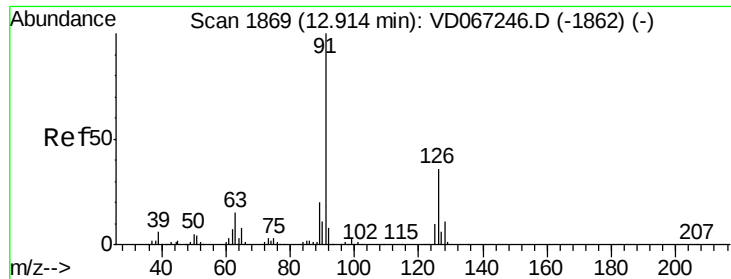
Delta R.T. 0.00 min

Lab File: VD067254.D

Acq: 13 Oct 2020 16:09

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	11.9	35.9





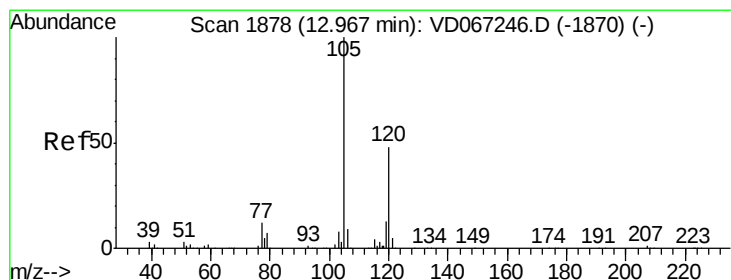
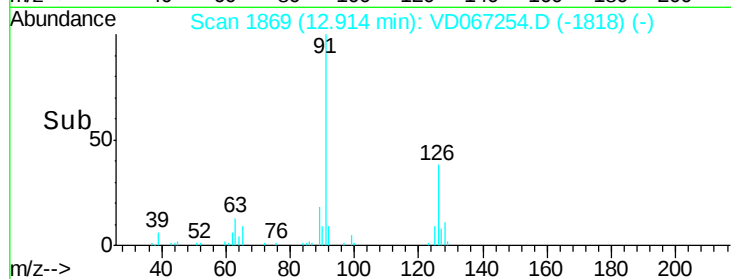
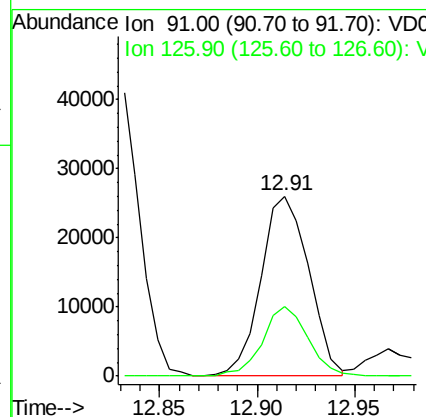
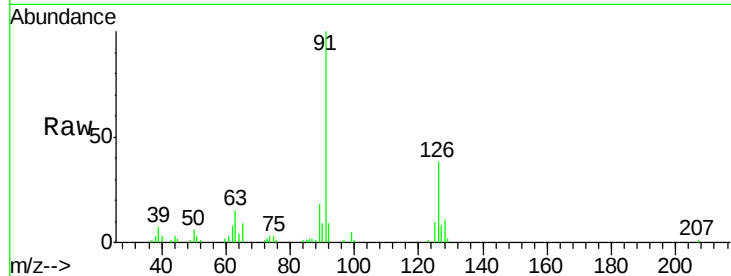
#79
2-Chlorotoluene
Concen: 4.153 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Instrument :
MSVOA_D
ClientSampleId :
VD1015

Tot Ion: 91 Resp: 44311
Ion Ratio Lower Upper
91 100
126 36.5 17.6 52.8

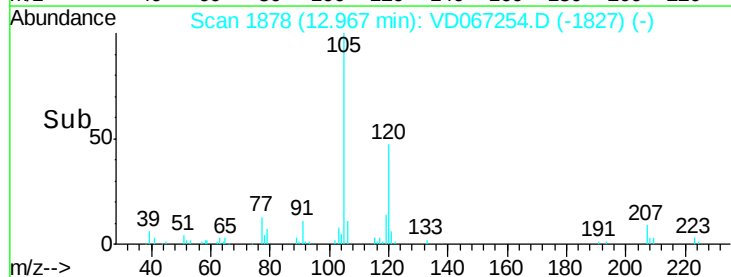
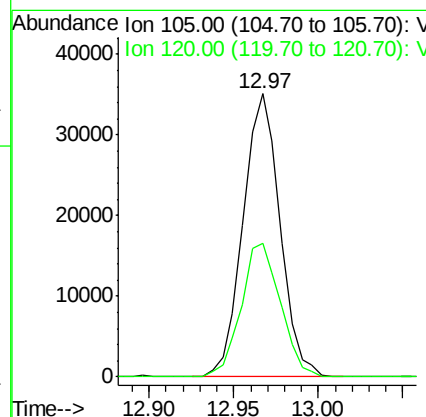
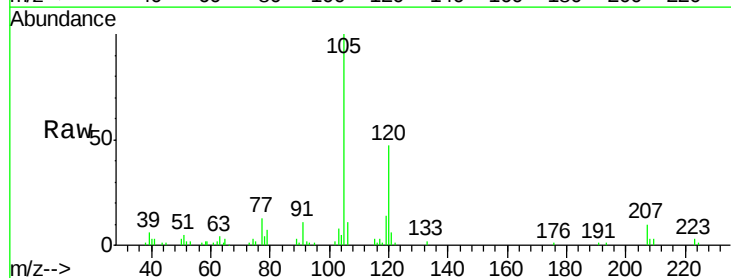
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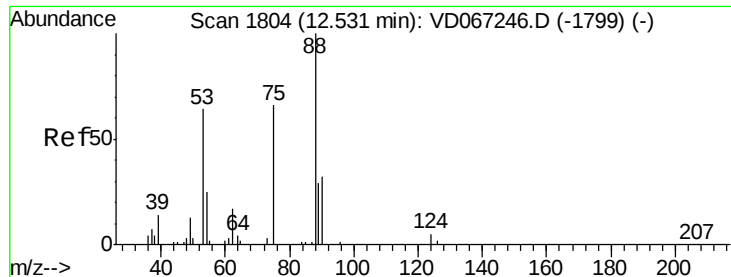
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 3.874 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Tgt Ion: 105 Resp: 53464
Ion Ratio Lower Upper
105 100
120 50.1 24.3 72.8





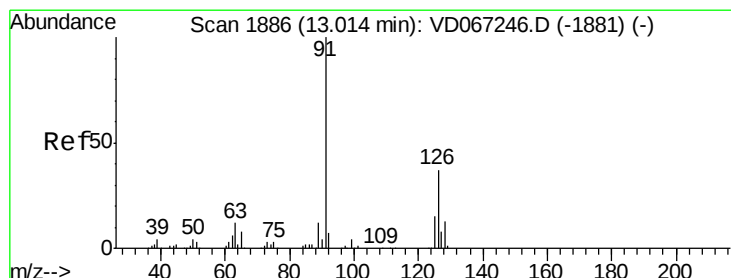
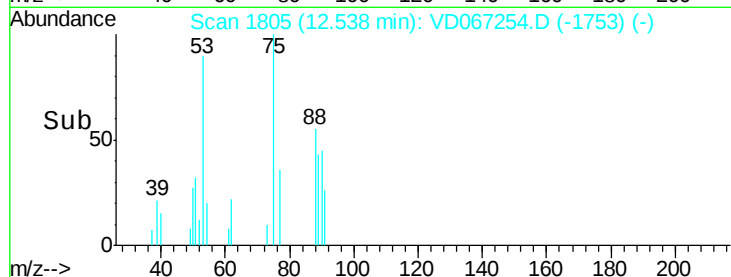
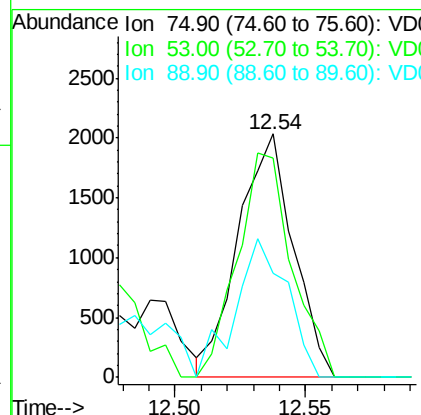
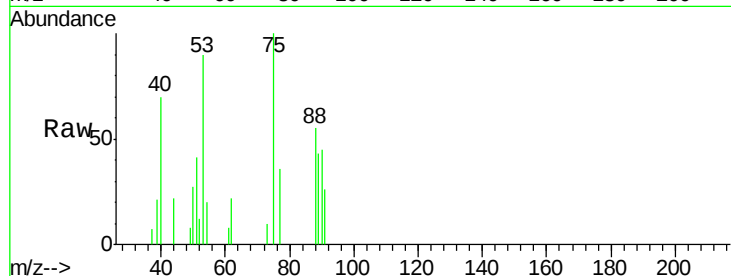
#81
trans-1,4-Dichloro-2-butene
Concen: 3.884 ug/l m
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Instrument :
MSVOA_D
ClientSampleId :
VD1015

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	78.5	117.7#
89	13.3	39.9	59.9#

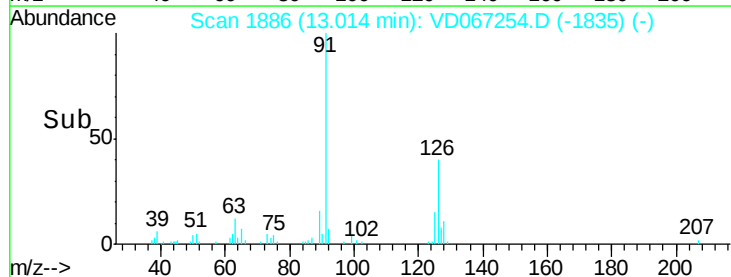
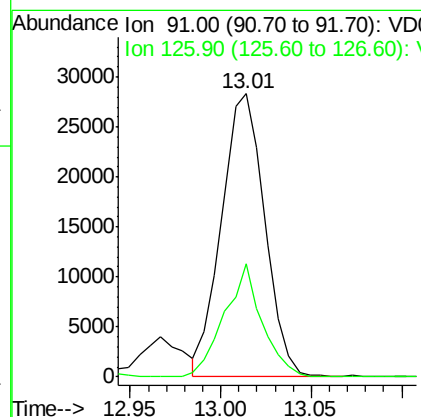
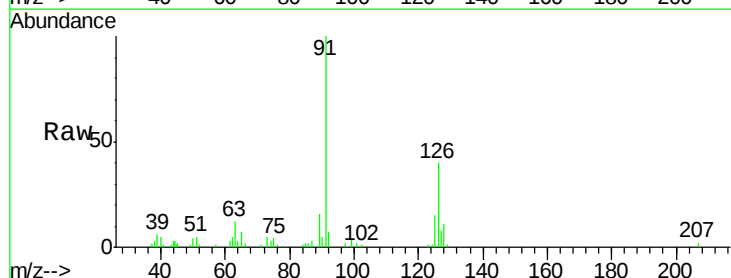
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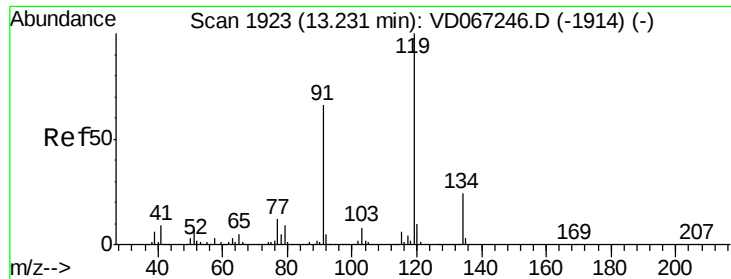
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#82
4-Chlorotoluene
Concen: 4.148 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.8	53.5





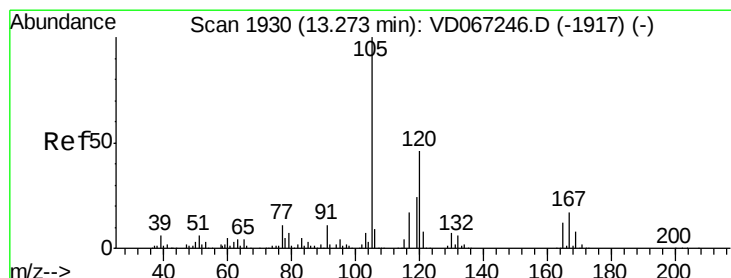
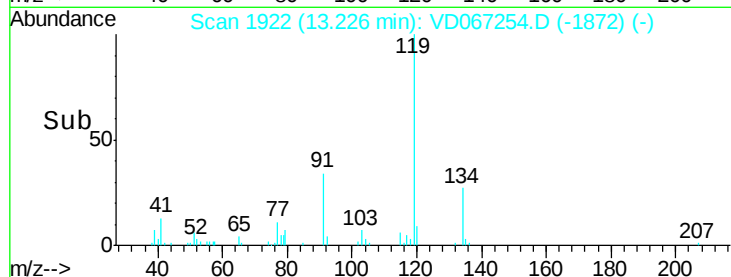
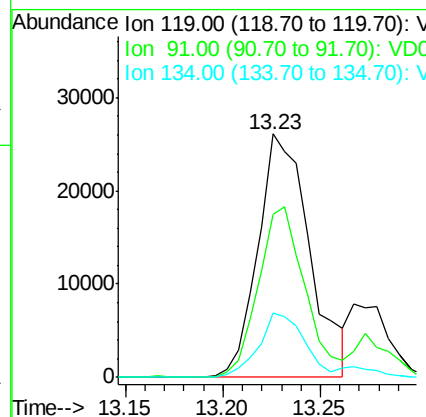
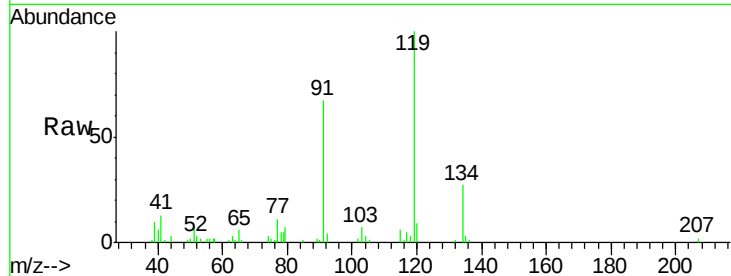
#83
tert-Butylbenzene
Concen: 4.112 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Instrument :
MSVOA_D
ClientSampleId :
VD1015

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.1	33.1	99.2
134	23.0	13.3	39.9

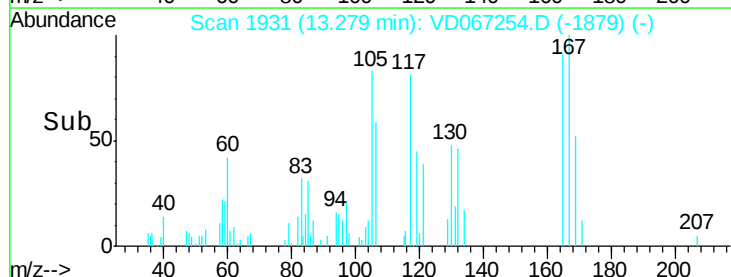
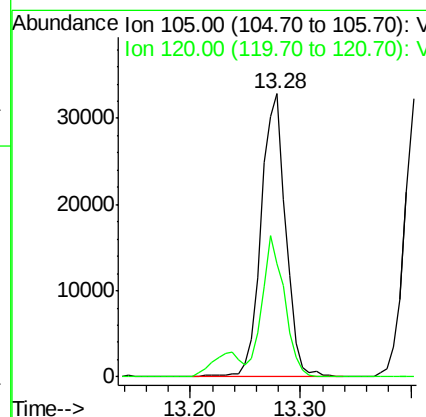
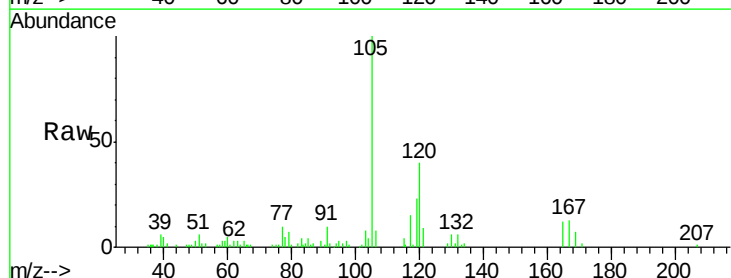
Manual Integrations
APPROVED

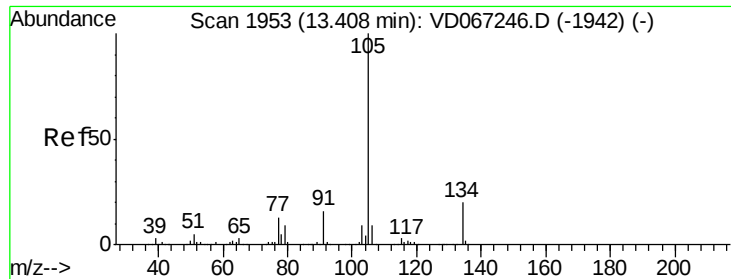
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 3.784 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.4	67.3





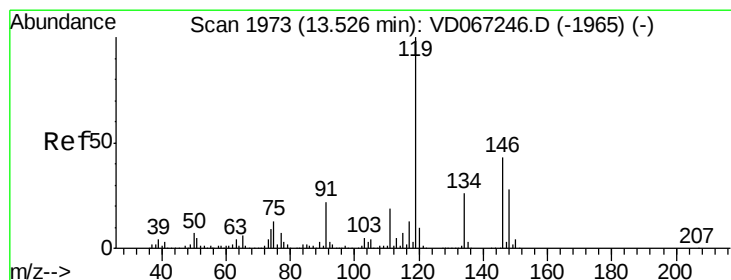
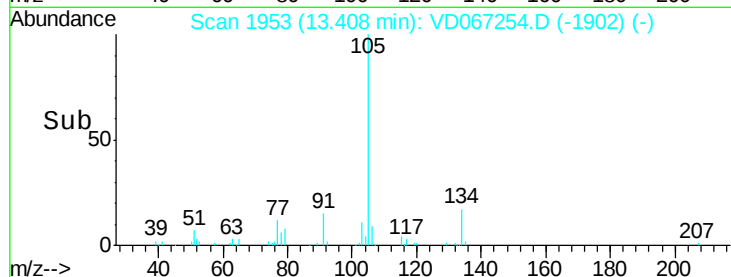
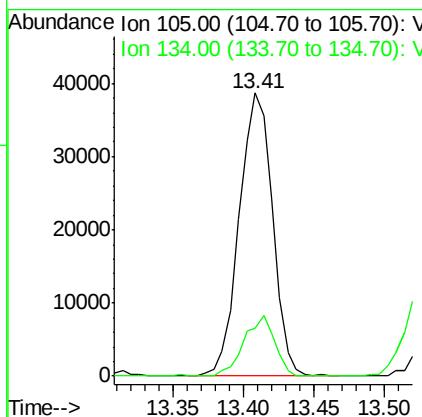
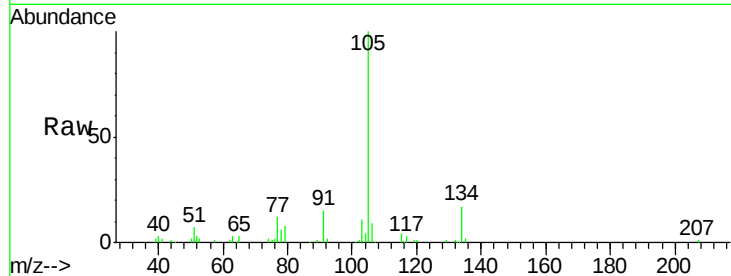
#85
 sec-Butylbenzene
 Concen: 4.004 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067254.D
 Acq: 13 Oct 2020 16:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015

Tot Ion:105 Resp: 64043
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.5 31.5

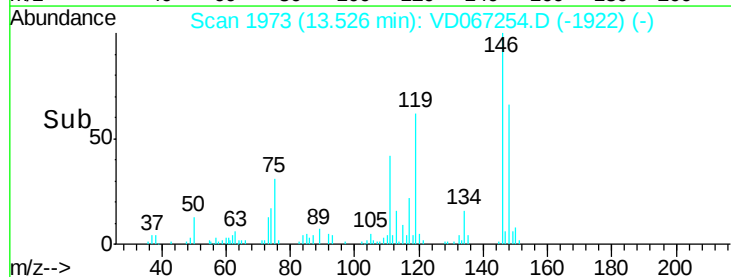
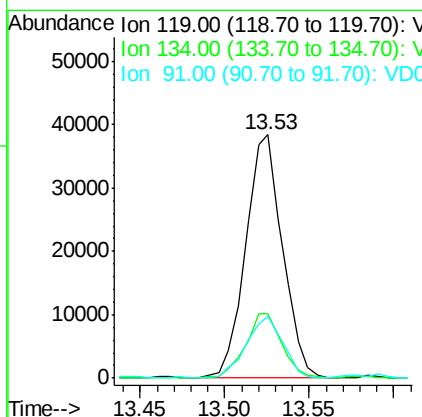
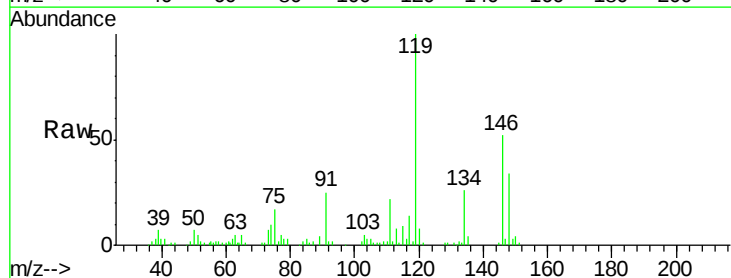
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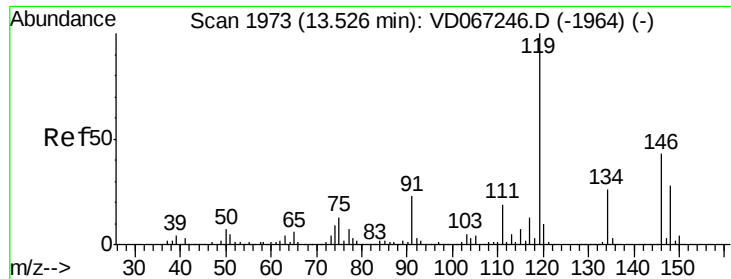
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 10/14/2020 2:10:26 PM



#86
 p-Isopropyltoluene
 Concen: 3.869 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD067254.D
 Acq: 13 Oct 2020 16:09

Tgt Ion:119 Resp: 58411
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.1 39.3
 91 25.2 11.9 35.9





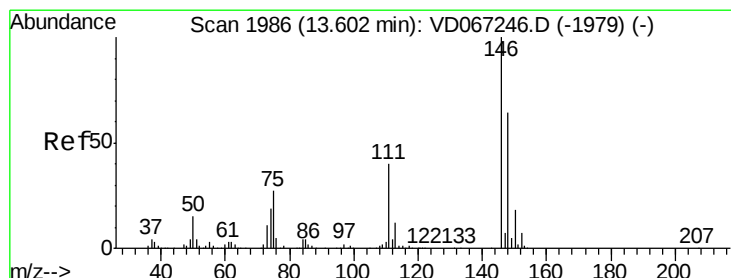
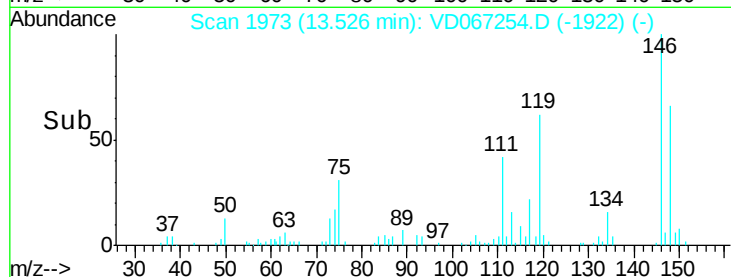
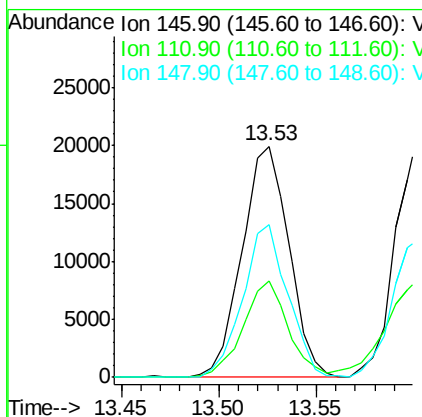
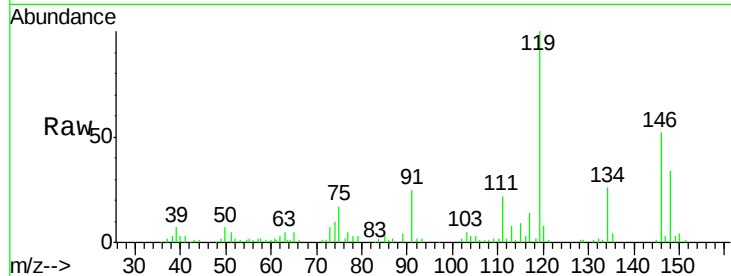
#87
 1,3-Dichlorobenzene
 Concen: 4.362 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD067254.D
 Acq: 13 Oct 2020 16:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	21.1	63.3
148	63.4	31.9	95.9

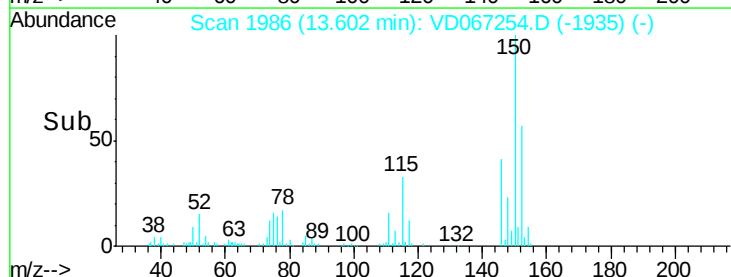
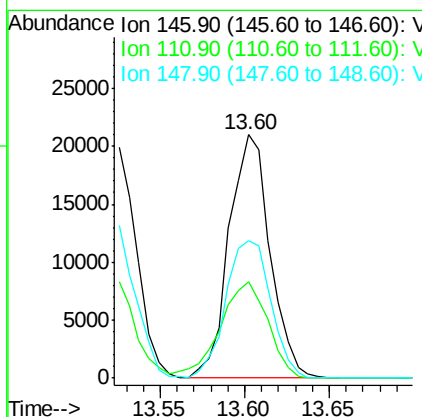
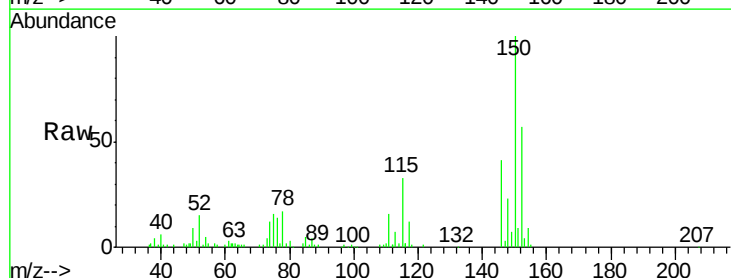
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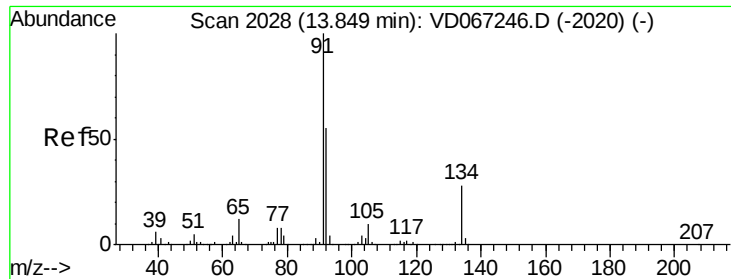
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#88
 1,4-Dichlorobenzene
 Concen: 4.705 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067254.D
 Acq: 13 Oct 2020 16:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.5	19.9	59.7
148	61.9	31.9	95.9





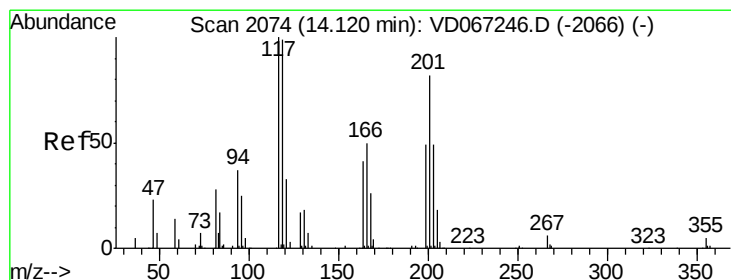
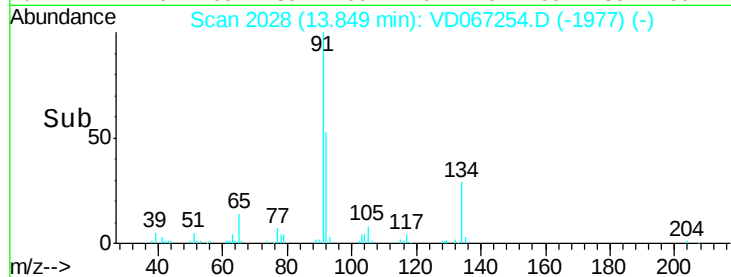
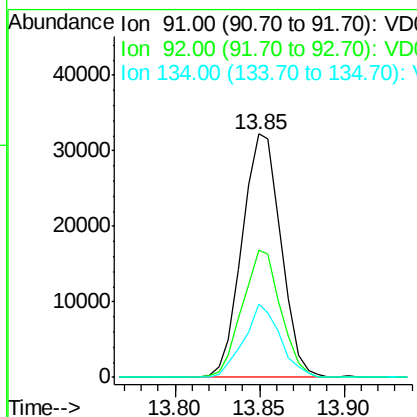
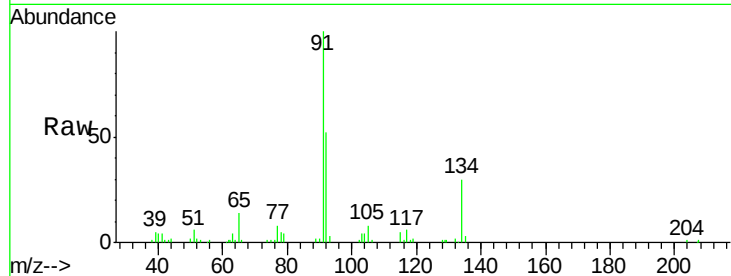
#89
n-Butylbenzene
Concen: 3.868 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Instrument :
MSVOA_D
ClientSampleId :
VD1015

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.7	80.0
134	27.9	14.2	42.6

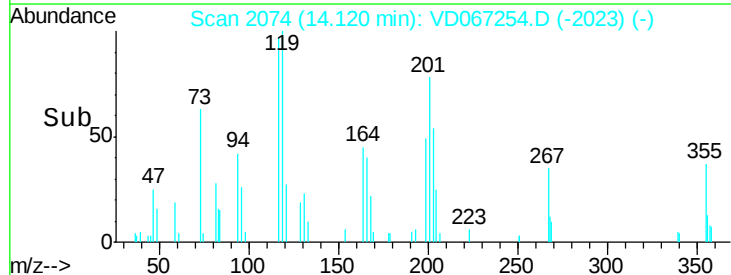
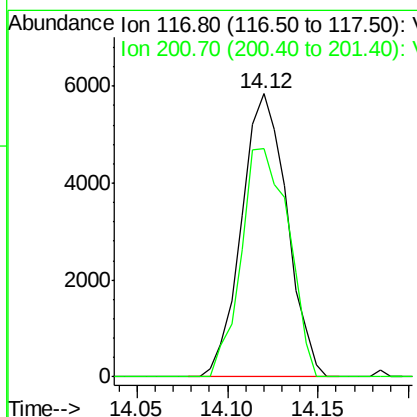
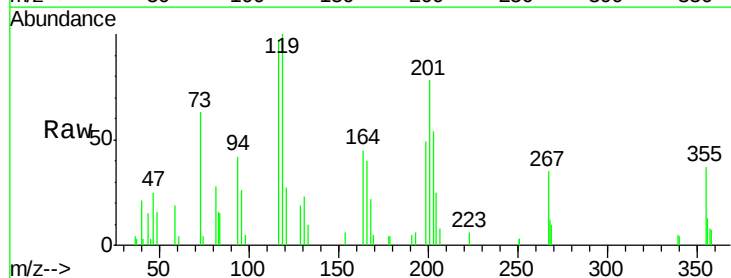
Manual Integrations
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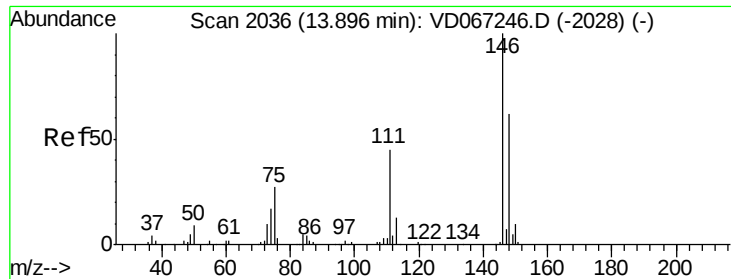
MMDadoda
10/14/2020 2:10:26 PM



#90
Hexachloroethane
Concen: 3.871 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.1	40.8	122.2





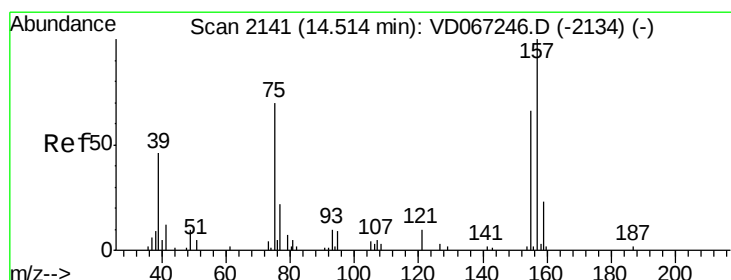
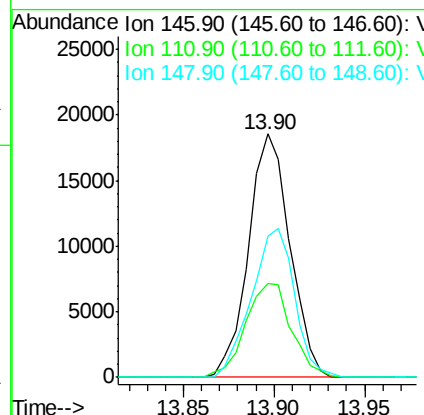
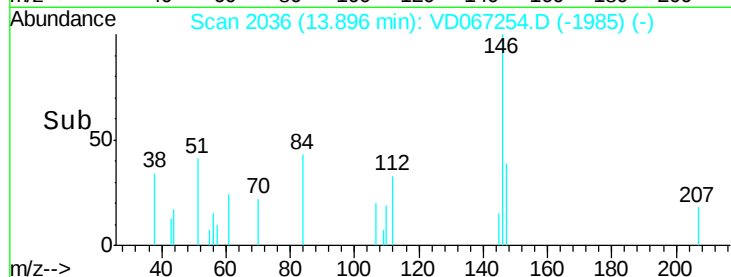
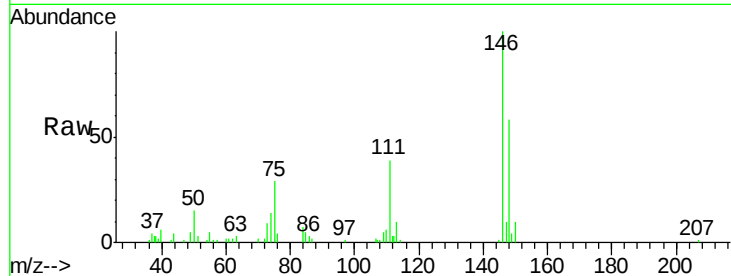
#91
 1,2-Dichlorobenzene
 Concen: 4.429 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067254.D
 Acq: 13 Oct 2020 16:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.0	66.0
148	63.6	32.5	97.5

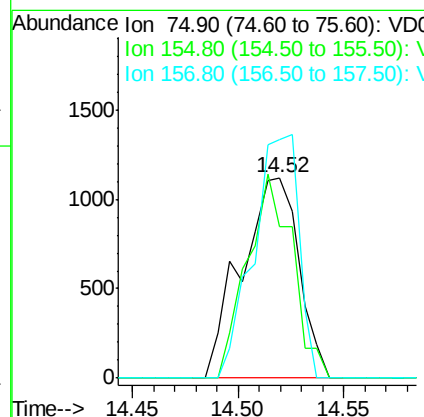
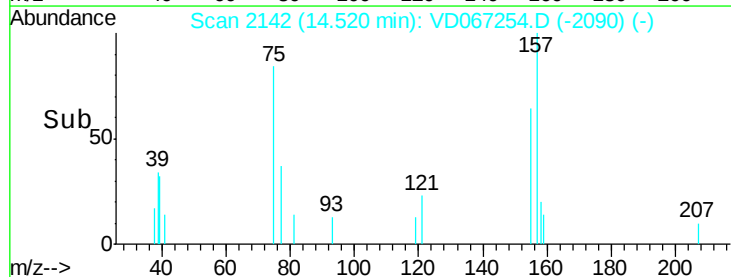
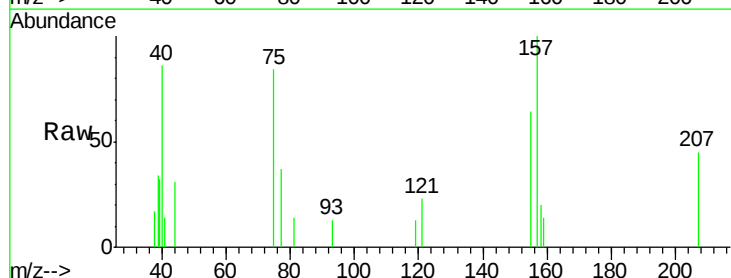
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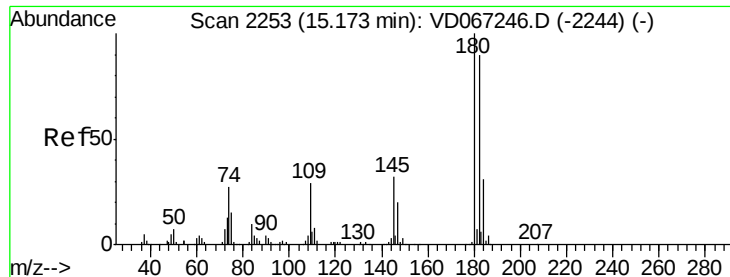
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.798 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD067254.D
 Acq: 13 Oct 2020 16:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.3	44.8	134.4
157	95.7	62.5	187.4





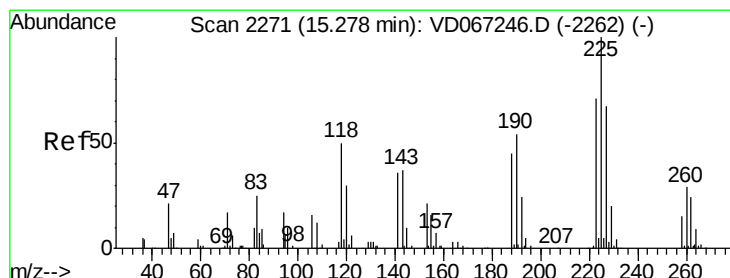
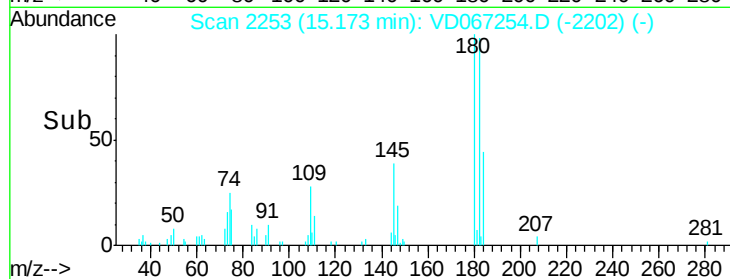
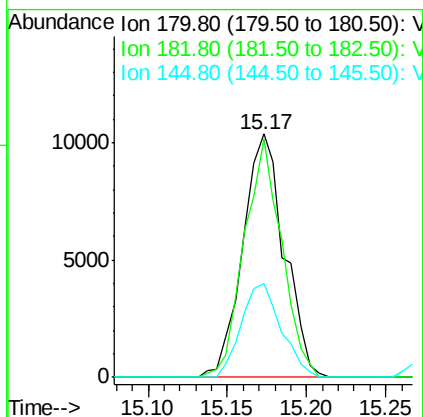
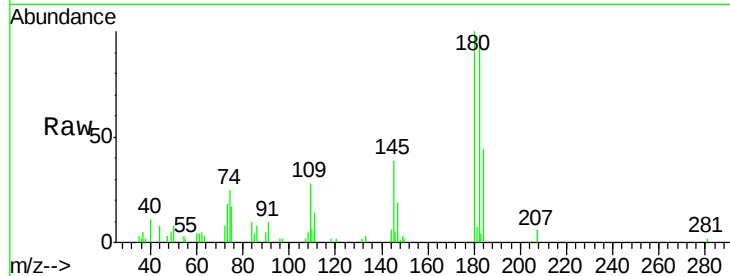
#93
 1,2,4-Trichlorobenzene
 Concen: 4.209 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067254.D
 Acq: 13 Oct 2020 16:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015

Tot Ion	Ratio	Resp	Lower	Upper
180	100	18891		
182	88.5	48.1	144.4	
145	37.1	16.3	48.9	

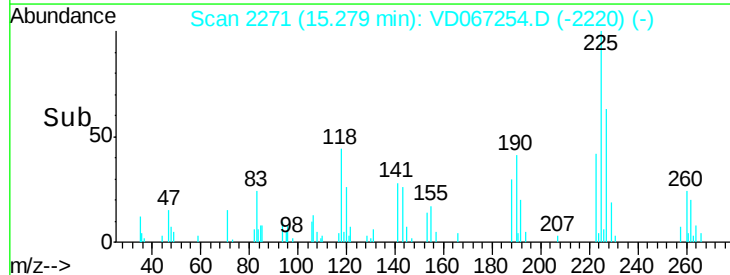
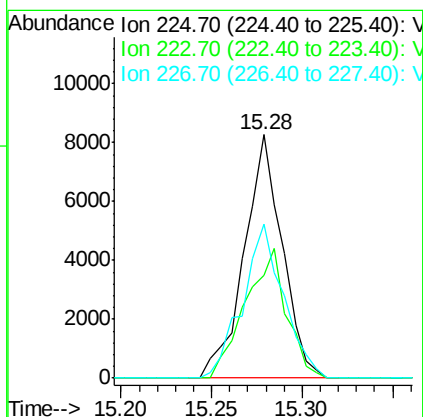
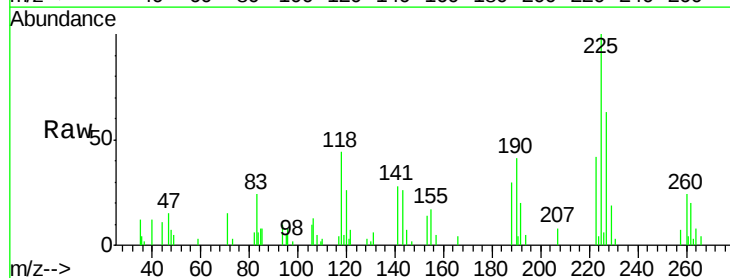
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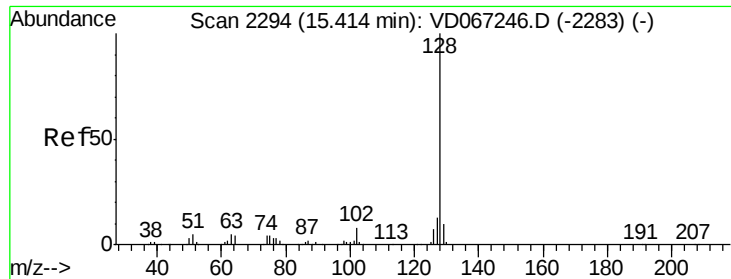
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#94
 Hexachlorobutadiene
 Concen: 4.324 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD067254.D
 Acq: 13 Oct 2020 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	12050		
223	57.6	31.9	95.7	
227	68.0	31.2	93.6	





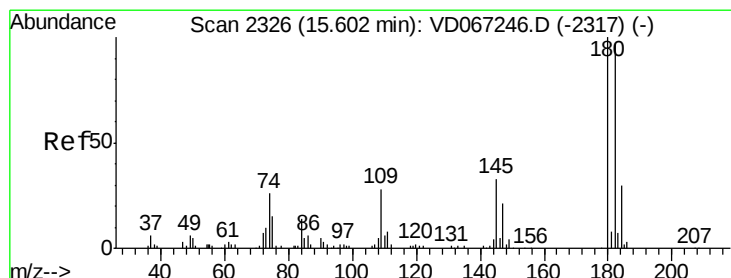
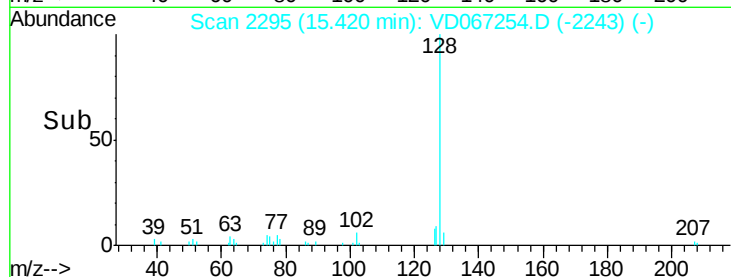
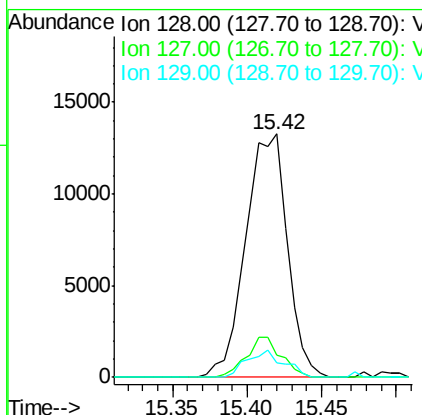
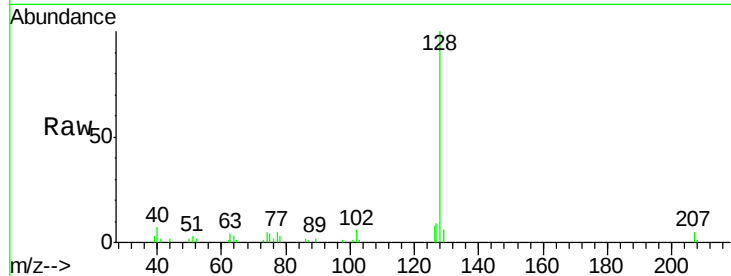
#95
Naphthalene
Concen: 3.476 ug/l
RT: 15.42 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Instrument :
MSVOA_D
ClientSampleId :
VD1015

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.4	15.6
129	9.8	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 4.201 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067254.D
Acq: 13 Oct 2020 16:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.3	48.1	144.3
145	34.5	17.3	51.9

