

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111120\
 Data File : VD067596.D
 Acq On : 11 Nov 2020 12:24
 Operator : VA/SY
 Sample : VD1111SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/12/2020 1:11:42 PM

Quant Time: Nov 12 00:32:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	296218	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	438762	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	406385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	208127	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	124301	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
35) Dibromofluoromethane	7.91	113	128212	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
50) Toluene-d8	10.34	98	442376	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
62) 4-Bromofluorobenzene	12.64	95	165858	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	61572	23.245	ug/l	97
3) Chloromethane	2.21	50	38207	20.713	ug/l	97
4) Vinyl Chloride	2.35	62	42484	20.658	ug/l	96
5) Bromomethane	2.76	94	32864	19.716	ug/l	99
6) Chloroethane	2.92	64	27020	21.311	ug/l	94
7) Trichlorofluoromethane	3.27	101	122463	22.998	ug/l	98
8) Diethyl Ether	3.71	74	23334	21.747	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	61992	23.063	ug/l	98
10) Methyl Iodide	4.30	142	59965	20.815	ug/l	98
11) Tert butyl alcohol	5.22	59	22703m	199.304	ug/l	
12) 1,1-Dichloroethene	4.07	96	53256	21.540	ug/l	95
13) Acrolein	3.92	56	5712	72.404	ug/l	100
14) Allyl chloride	4.71	41	57129	21.590	ug/l	99
15) Acrylonitrile	5.42	53	44855	113.090	ug/l	98
16) Acetone	4.15	43	41360	106.710	ug/l	98
17) Carbon Disulfide	4.41	76	159033	20.992	ug/l	98
18) Methyl Acetate	4.71	43	19285	24.078	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	111567	22.877	ug/l #	90
20) Methylene Chloride	4.96	84	60590	22.130	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	61667	21.415	ug/l	96
22) Diisopropyl ether	6.37	45	116325	22.559	ug/l	99
23) Vinyl Acetate	6.31	43	305309	113.113	ug/l	98
24) 1,1-Dichloroethane	6.27	63	93182	22.089	ug/l	99
25) 2-Butanone	7.21	43	46458	112.175	ug/l	96
26) 2,2-Dichloropropane	7.21	77	102251	22.967	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	65291	21.844	ug/l	95
28) Bromochloromethane	7.55	49	28210	18.800	ug/l	92
29) Tetrahydrofuran	7.56	42	28431	114.604	ug/l	95
30) Chloroform	7.71	83	110203	21.898	ug/l	100
31) Cyclohexane	7.99	56	78073	20.783	ug/l #	90
32) 1,1,1-Trichloroethane	7.91	97	115958	22.332	ug/l	100
36) 1,1-Dichloropropene	8.11	75	82314	21.917	ug/l	99
37) Ethyl Acetate	7.30	43	21952	22.514	ug/l	96
38) Carbon Tetrachloride	8.10	117	111097	22.767	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	98036	22.178	ug/l	99
40) Benzene	8.36	78	224544	22.072	ug/l	98
41) Methacrylonitrile	7.53	41	10484	17.988	ug/l #	83
42) 1,2-Dichloroethane	8.43	62	72234	22.981	ug/l	97
43) Isopropyl Acetate	8.46	43	43442	22.528	ug/l	96
44) Trichloroethene	9.11	130	74852	22.377	ug/l	92
45) 1,2-Dichloropropane	9.39	63	48321	21.969	ug/l	99
46) Dibromomethane	9.48	93	30982	22.153	ug/l	99
47) Bromodichloromethane	9.67	83	86855	22.849	ug/l	95
48) Methyl methacrylate	9.46	41	20865	20.956	ug/l	91
49) 1,4-Dioxane	9.47	88	6617	466.066	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	109317	118.534	ug/l	98
52) Toluene	10.41	92	155407	22.807	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	74624	22.922	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	85664	22.147	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	43400	23.454	ug/l	95
56) Ethyl methacrylate	10.67	69	44894	23.494	ug/l	94
57) 1,3-Dichloropropane	10.95	76	68587	23.034	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	98335	110.352	ug/l	97
59) 2-Hexanone	10.99	43	79803	123.757	ug/l	95
60) Dibromochloromethane	11.14	129	63742	23.286	ug/l	95
61) 1,2-Dibromoethane	11.25	107	43133	23.225	ug/l	98
64) Tetrachloroethene	10.88	164	66474	22.087	ug/l	97
65) Chlorobenzene	11.67	112	173087	22.111	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	72205	23.403	ug/l	99
67) Ethyl Benzene	11.75	91	306607	22.889	ug/l	99
68) m/p-Xylenes	11.86	106	244054	46.831	ug/l	97
69) o-Xylene	12.19	106	108324	23.281	ug/l	98
70) Styrene	12.20	104	185427	22.870	ug/l	98
71) Bromoform	12.37	173	38111	24.220	ug/l #	100
73) Isopropylbenzene	12.48	105	307645	22.872	ug/l	100
74) N-amyl acetate	12.29	43	42228	23.859	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.74	83	42762	23.314	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	25715m	20.481	ug/l	
77) Bromobenzene	12.77	156	73520	22.256	ug/l	98
78) n-propylbenzene	12.83	91	349030	22.686	ug/l	100
79) 2-Chlorotoluene	12.91	91	196698	22.506	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	268812	23.395	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	13607	22.003	ug/l	95
82) 4-Chlorotoluene	13.01	91	211005	22.511	ug/l	98
83) tert-Butylbenzene	13.23	119	235584	24.192	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	273456	23.908	ug/l	99
85) sec-Butylbenzene	13.41	105	308704	23.483	ug/l	99
86) p-Isopropyltoluene	13.52	119	296319	23.342	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	146861	23.299	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	140737	22.050	ug/l	98
89) n-Butylbenzene	13.85	91	257574	23.490	ug/l	98
90) Hexachloroethane	14.11	117	54591	22.835	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	122479	22.451	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7751	23.868	ug/l	94

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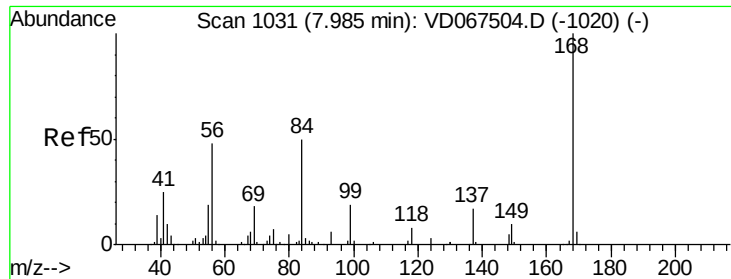
Manual Integrations
APPROVED

MMDadoda
11/12/2020 1:11:42 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	85432	23.073	ug/l	99
94) Hexachlorobutadiene	15.27	225	54826	22.125	ug/l	98
95) Naphthalene	15.41	128	134604	23.557	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	73587	23.209	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067596.D

Acq: 11 Nov 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion:168 Resp: 296218

Ion Ratio Lower Upper

168 100

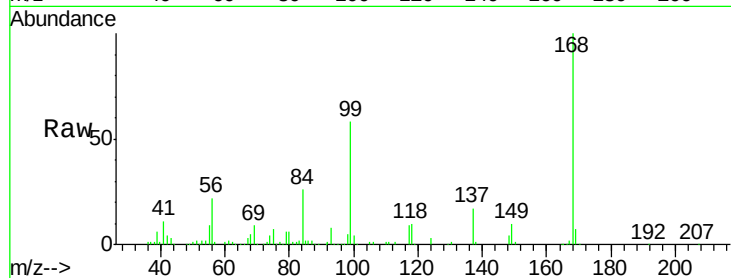
99 57.7 45.0 67.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

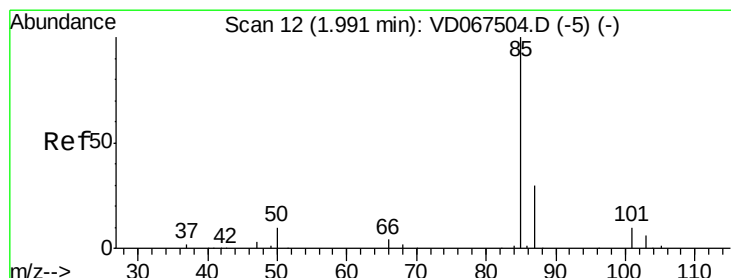
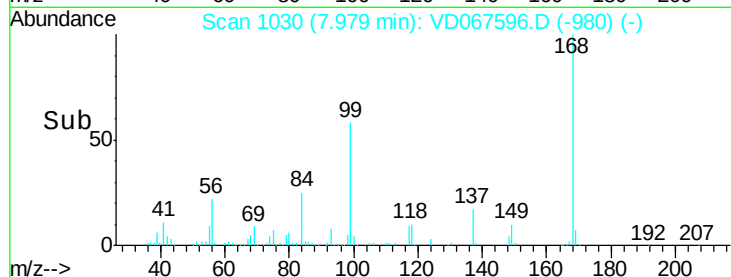
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.245 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067596.D

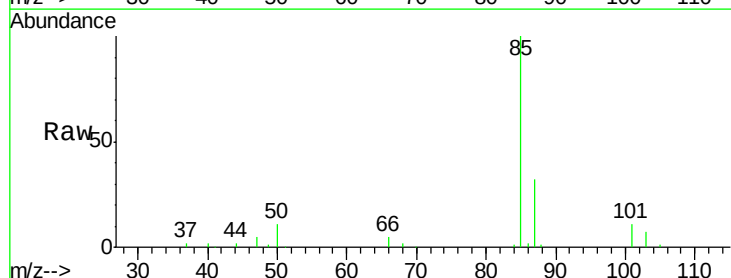
Acq: 11 Nov 2020 12:24

Tgt Ion: 85 Resp: 61572

Ion Ratio Lower Upper

85 100

87 32.3 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

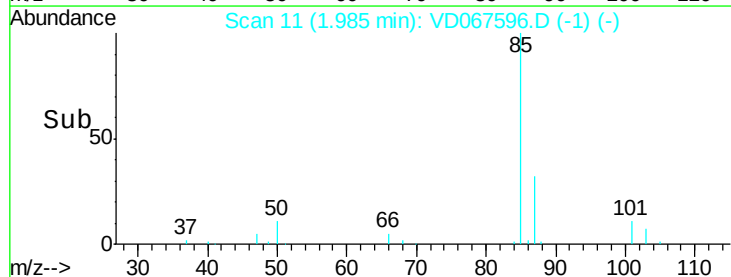
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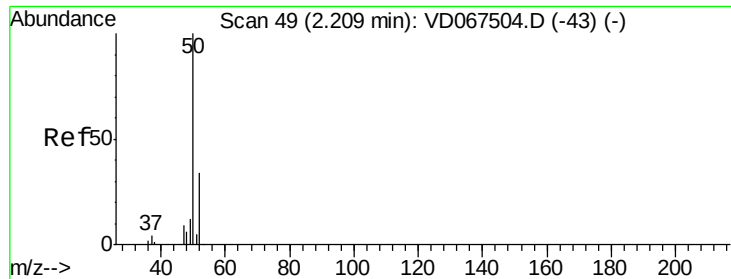
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 20.713 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067596.D

Acq: 11 Nov 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 50 Resp: 38207

Ion Ratio Lower Upper

50 100

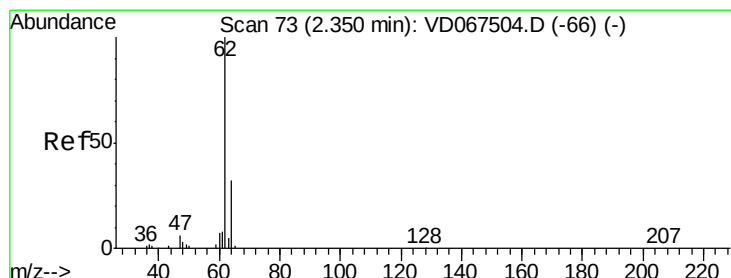
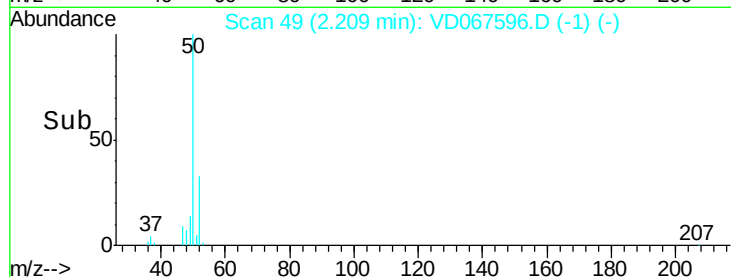
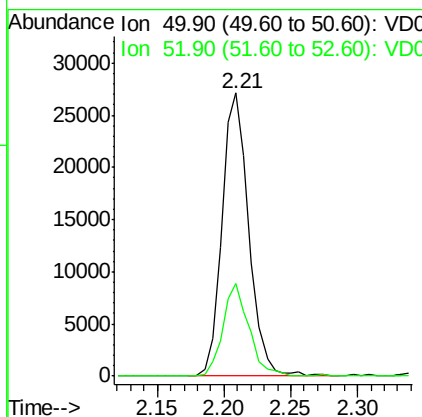
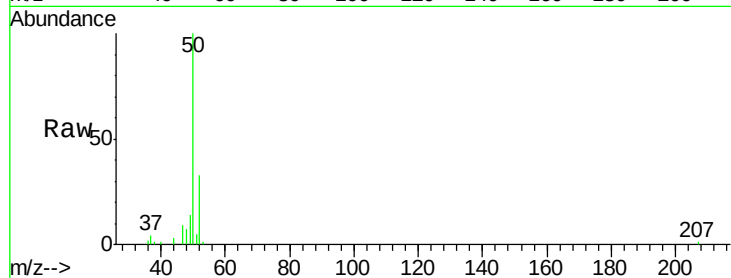
52 32.6 27.3 40.9

Manual Integrations

APPROVED

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11/12/2020 1:11:42 PM



#4

Vinyl Chloride

Concen: 20.658 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067596.D

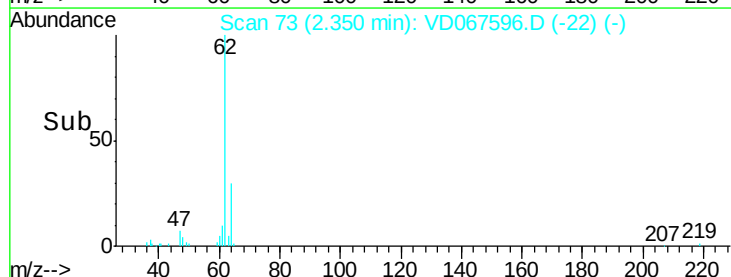
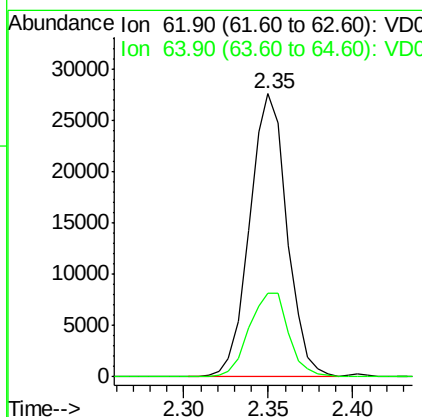
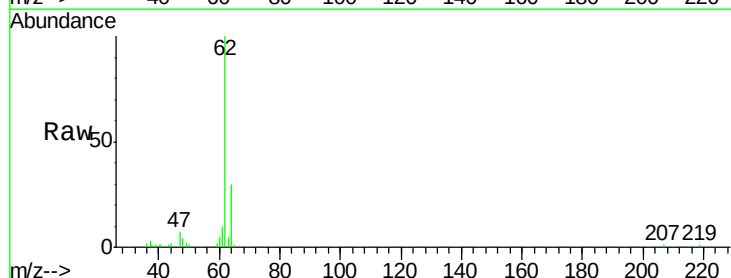
Acq: 11 Nov 2020 12:24

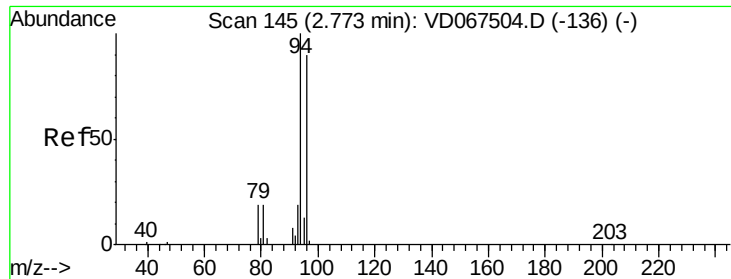
Tgt Ion: 62 Resp: 42484

Ion Ratio Lower Upper

62 100

64 29.7 25.6 38.4





#5

Bromomethane

Concen: 19.716 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067596.D

Acq: 11 Nov 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 94 Resp: 32864

Ion Ratio Lower Upper

94 100

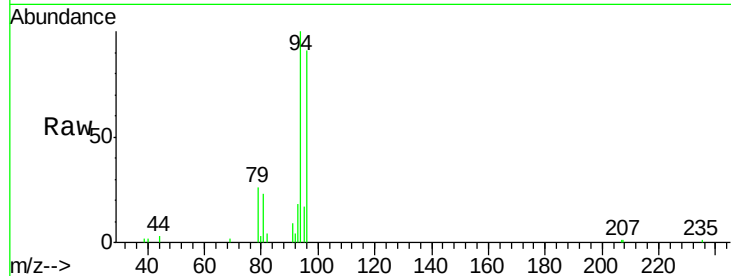
96 91.4 72.2 108.2

Manual Integrations

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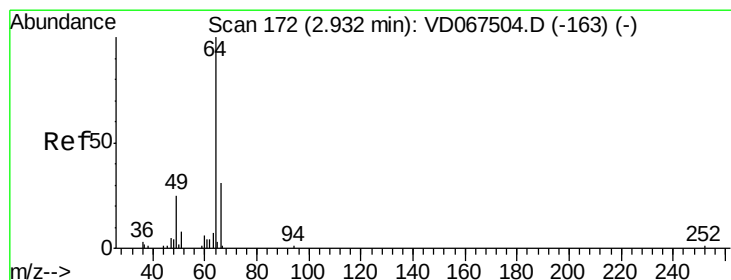
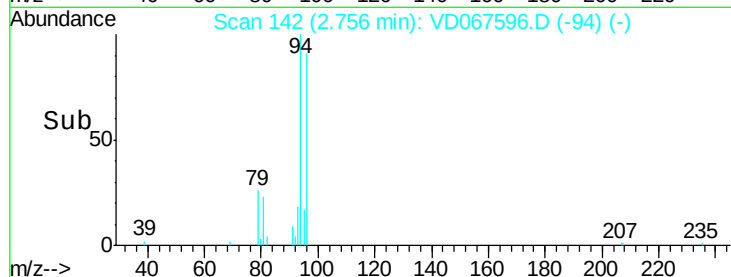
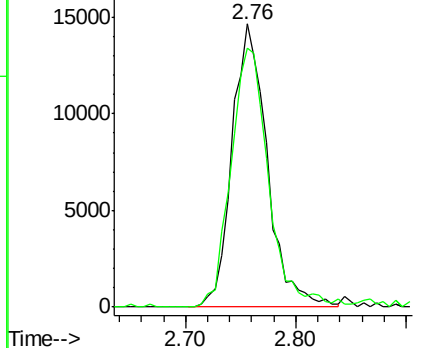
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.311 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067596.D

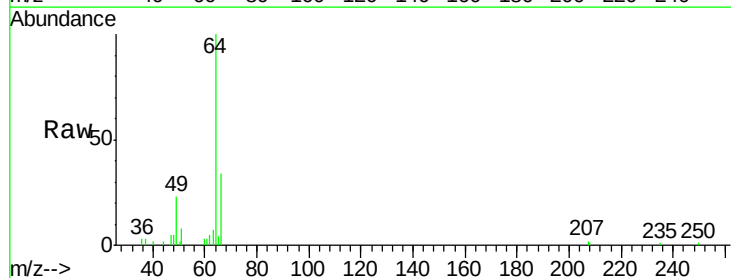
Acq: 11 Nov 2020 12:24

Tgt Ion: 64 Resp: 27020

Ion Ratio Lower Upper

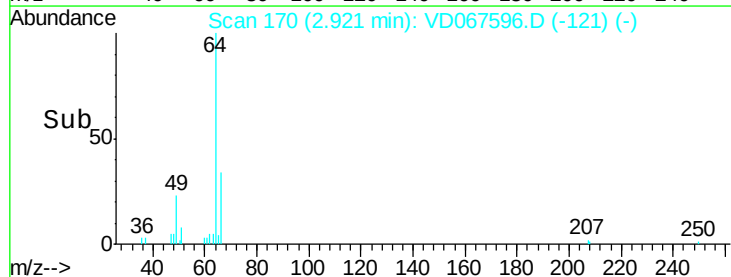
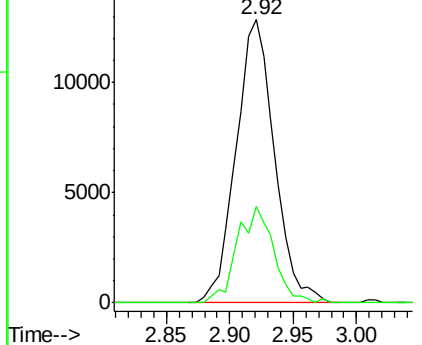
64 100

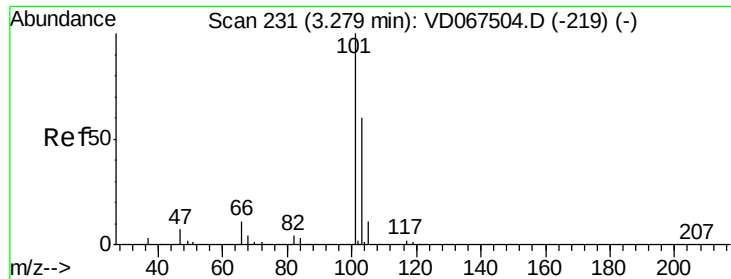
66 34.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

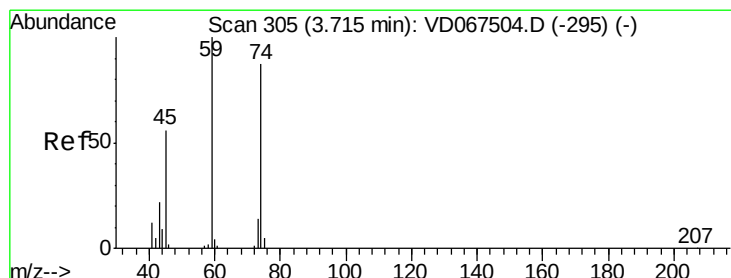
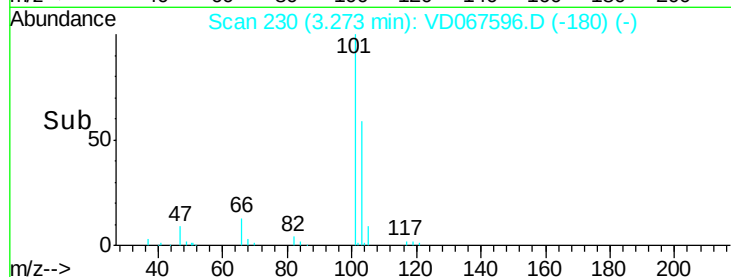
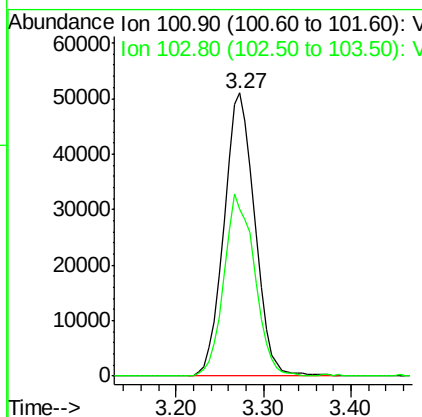
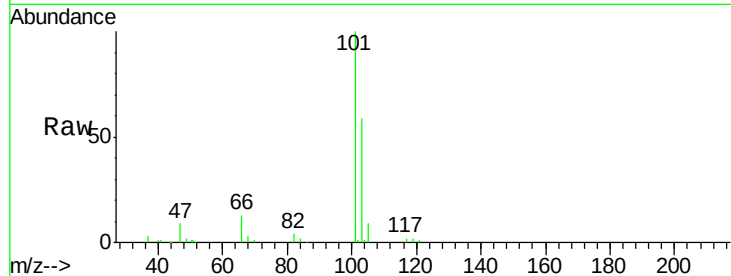
Trichlorofluoromethane
Concen: 22.998 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.01 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Instrument :
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VD1111SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		122463		
103	58.7	48.1	72.1		

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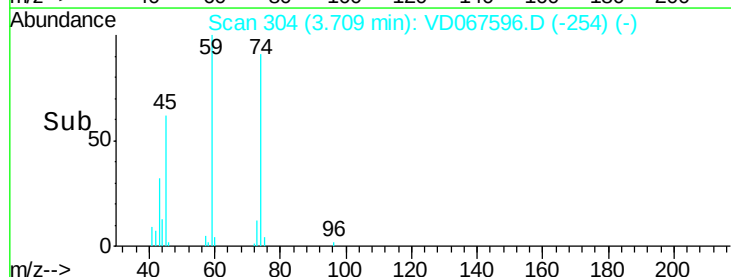
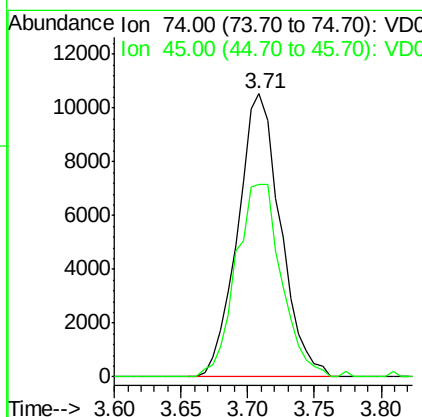
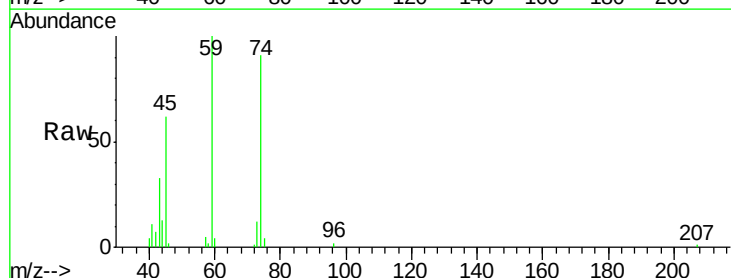
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11/12/2020 1:11:42 PM

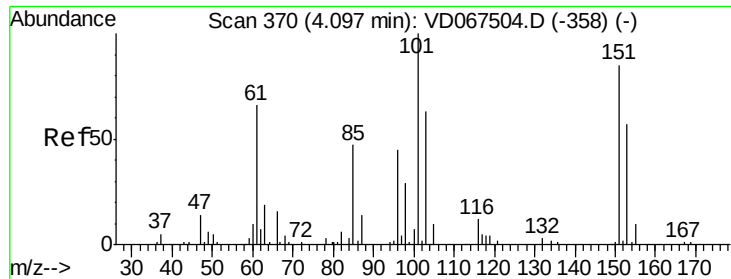


#8

Diethyl Ether
Concen: 21.747 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.01 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		23334		
45	72.6	38.2	114.6		





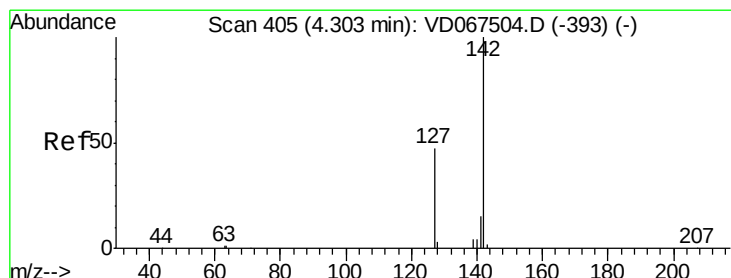
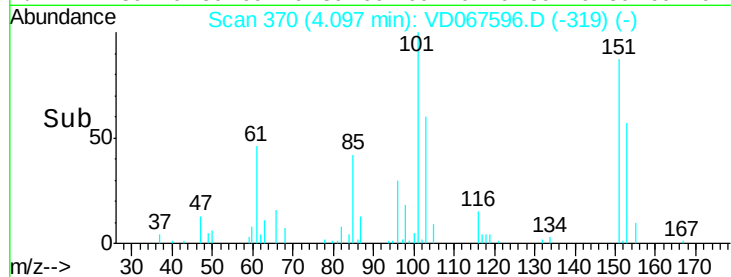
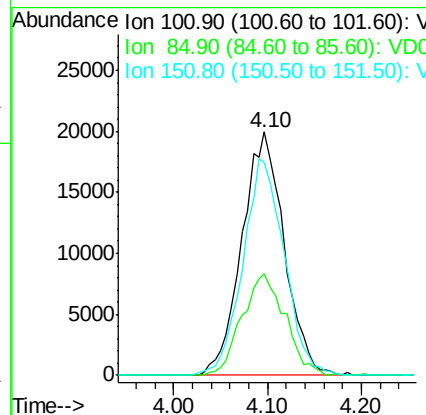
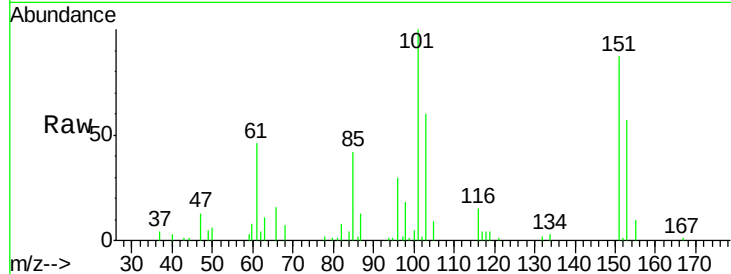
#9
1,1,2-Trichlorotrifluoroethane
Concen: 23.063 ug/l
RT: 4.10 min Scan# 370
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

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Tot Ion	Ratio	Lower	Upper
101	100		
85	42.5	34.4	51.6
151	87.4	68.1	102.1

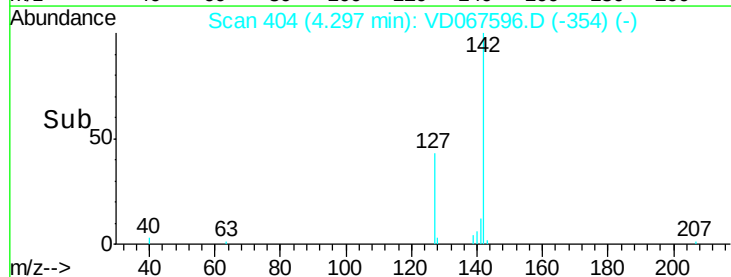
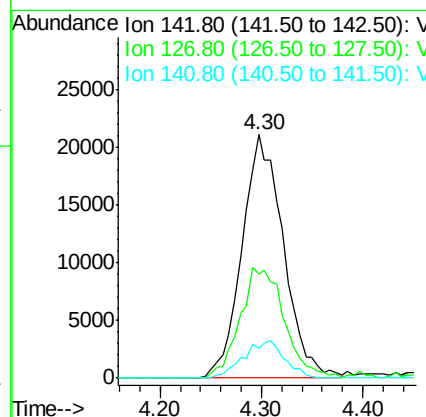
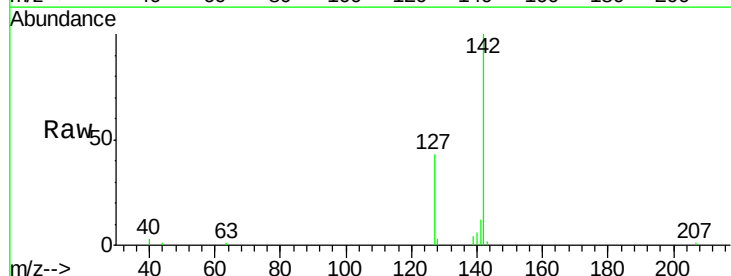
Manual Integrations
APPROVED

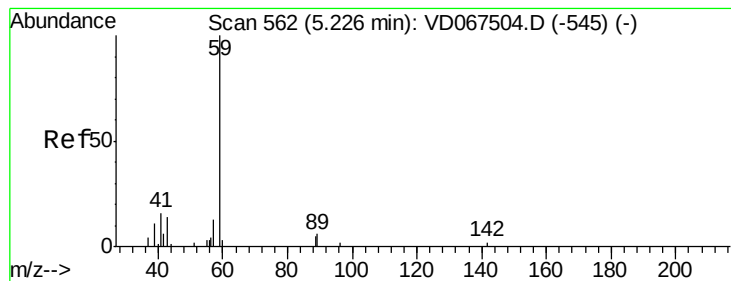
MMDadoda
11/12/2020 1:11:42 PM



#10
Methyl Iodide
Concen: 20.815 ug/l
RT: 4.30 min Scan# 404
Delta R.T. -0.01 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Tgt Ion	Ratio	Lower	Upper
142	100		
127	48.4	40.0	60.0
141	15.2	11.7	17.5





#11

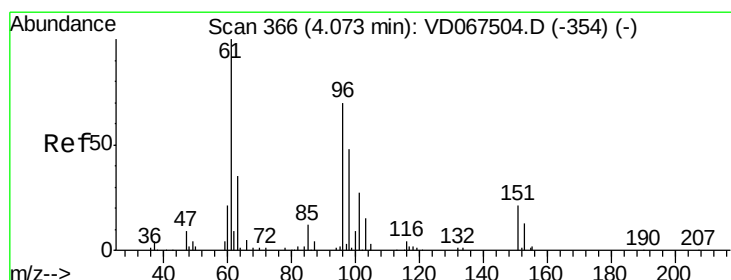
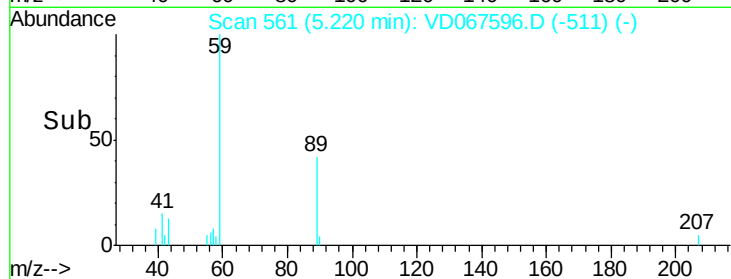
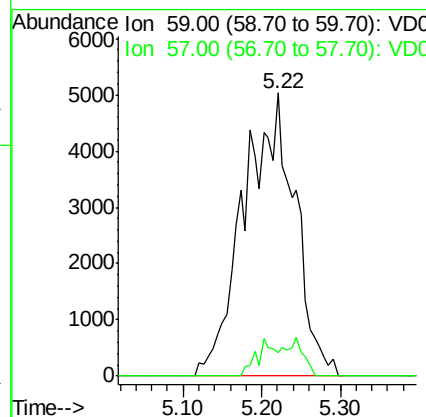
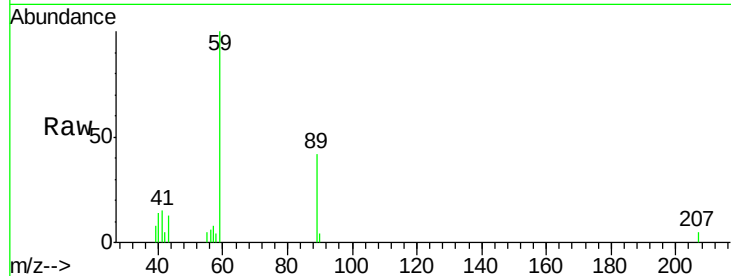
Tert butyl alcohol
Concen: 199.304 ug/l m
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion: 59 Resp: 22703
Ion Ratio Lower Upper
59 100
57 4.8 5.9 8.9#

Manual Integrations
APPROVED

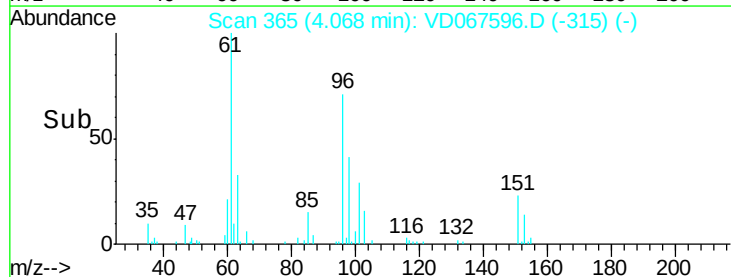
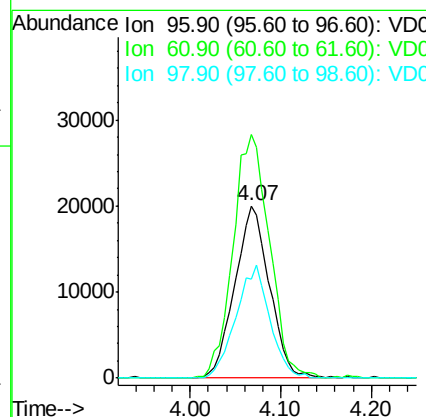
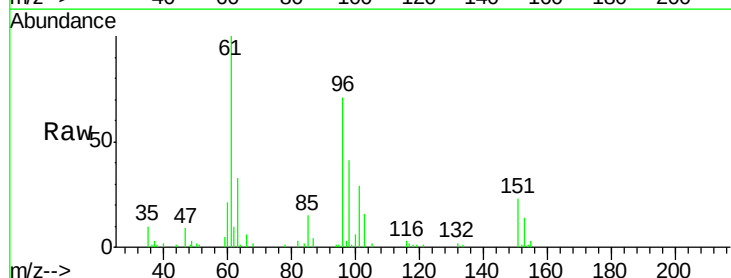
MMDadoda
11/12/2020 1:11:42 PM

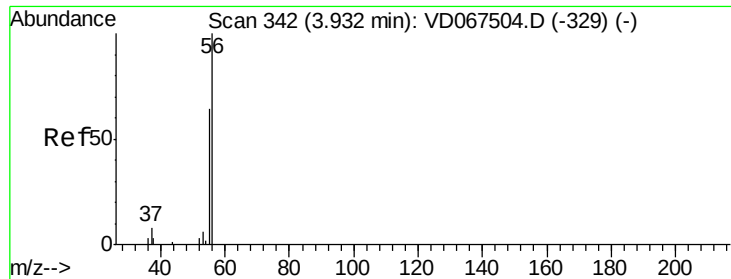


#12

1,1-Dichloroethene
Concen: 21.540 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Tgt Ion: 96 Resp: 53256
Ion Ratio Lower Upper
96 100
61 141.2 114.5 171.7
98 57.5 54.5 81.7





#13

Acrolein

Concen: 72.404 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067596.D

Acq: 11 Nov 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 56 Resp: 5712

Ion Ratio Lower Upper

56 100

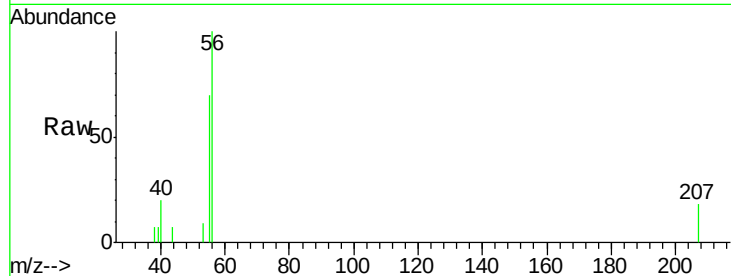
55 69.5 55.8 83.8

Manual Integrations

APPROVED

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11/12/2020 1:11:42 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

2500

2000

1500

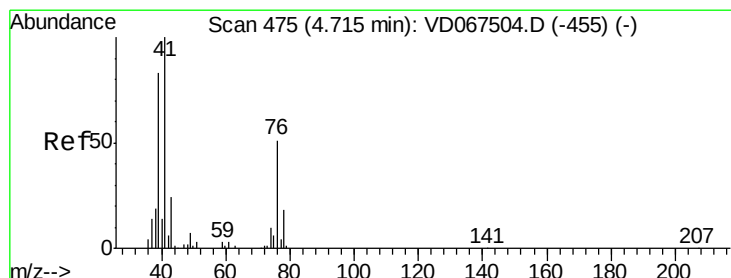
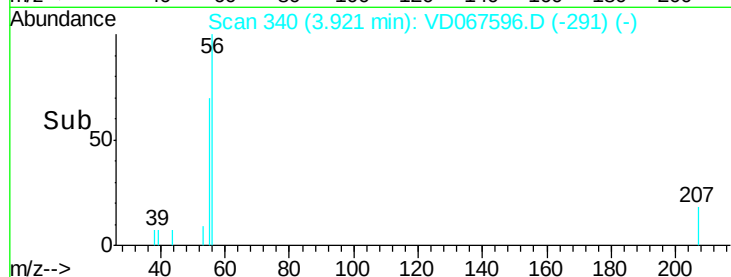
1000

500

0

3.85 3.90 3.95 4.00

Time-->



#14

Allyl chloride

Concen: 21.590 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067596.D

Acq: 11 Nov 2020 12:24

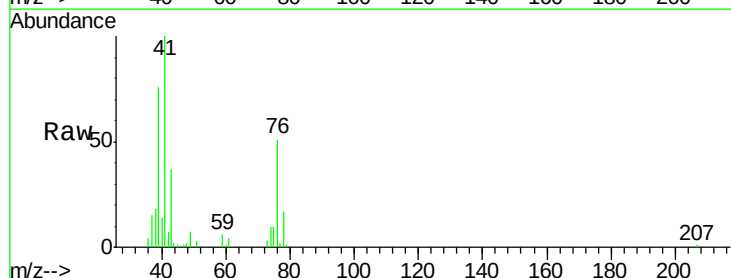
Tgt Ion: 41 Resp: 57129

Ion Ratio Lower Upper

41 100

39 83.0 67.4 101.0

76 52.4 42.2 63.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

25000

20000

15000

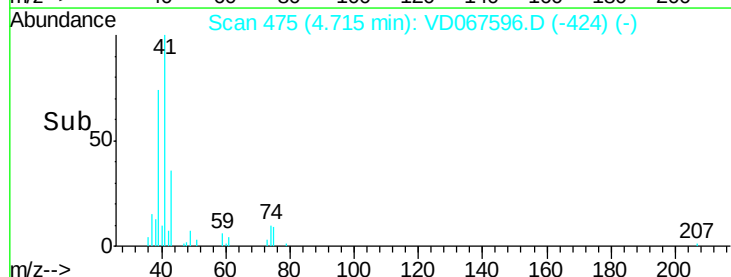
10000

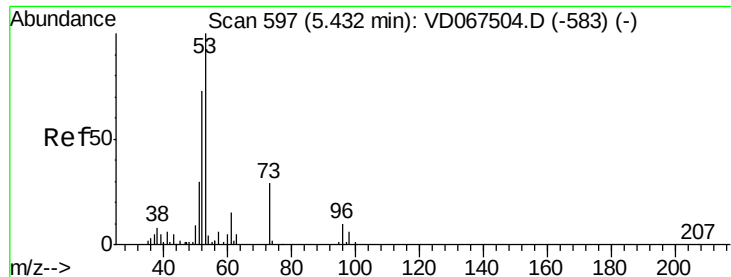
5000

0

4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 113.090 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067596.D

Acq: 11 Nov 2020 12:24

Instrument :

MSVOA_D

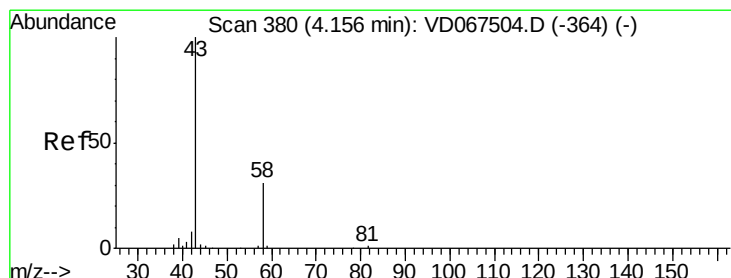
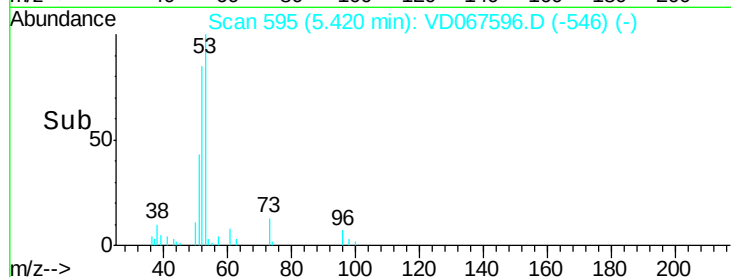
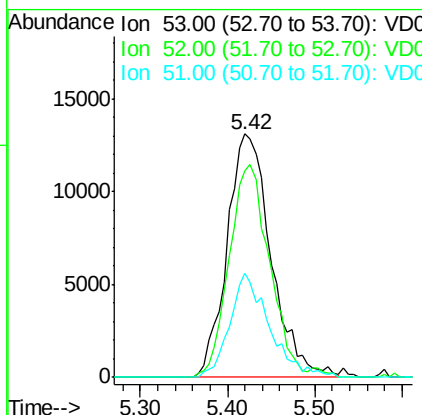
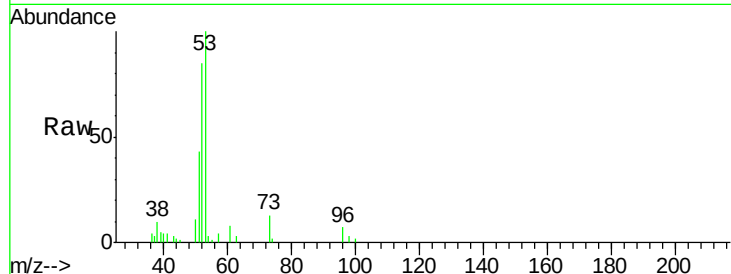
ClientSampleId :

VD1111SBS01

Tot Ion:	53	Resp:	44855
Ion	Ratio	Lower	Upper
53	100		
52	79.8	64.8	97.2
51	38.6	29.5	44.3

Manual Integrations
APPROVED

MMDadoda
11/12/2020 1:11:42 PM



#16

Acetone

Concen: 106.710 ug/l

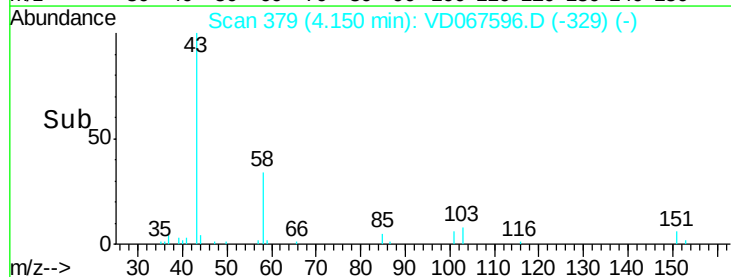
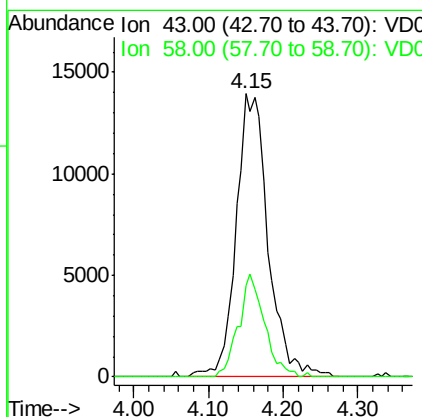
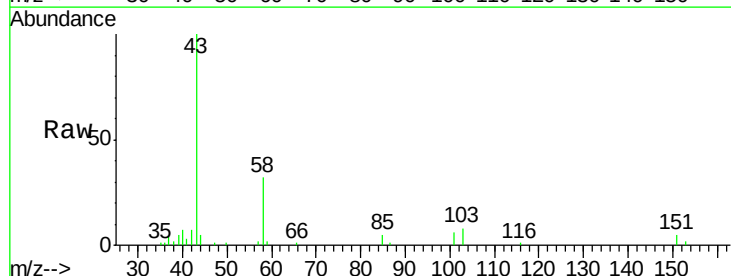
RT: 4.15 min Scan# 379

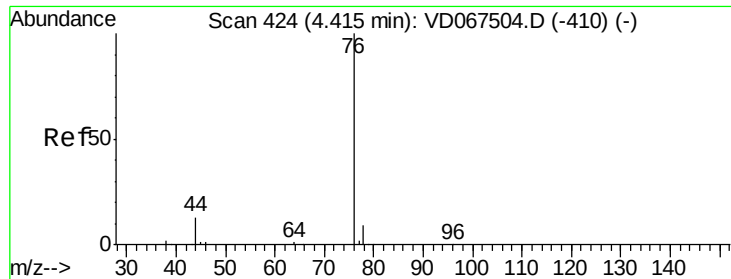
Delta R.T. -0.01 min

Lab File: VD067596.D

Acq: 11 Nov 2020 12:24

Tgt Ion:	43	Resp:	41360
Ion	Ratio	Lower	Upper
43	100		
58	32.3	25.2	37.8





#17

Carbon Disulfide

Concen: 20.992 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.01 min

Lab File: VD067596.D

Acq: 11 Nov 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 76 Resp: 159033

Ion Ratio Lower Upper

76 100

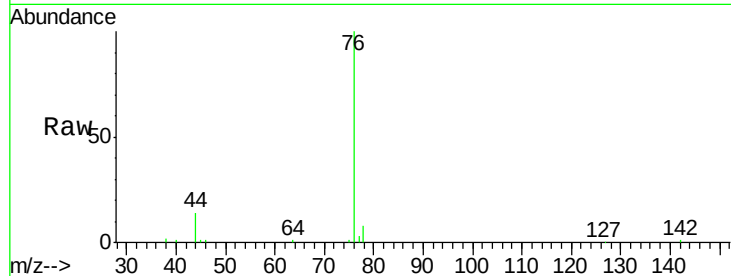
78 8.4 7.2 10.8

Manual Integrations

APPROVED

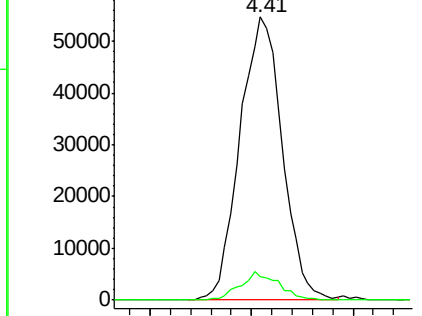
MMDadoda

11/12/2020 1:11:42 PM

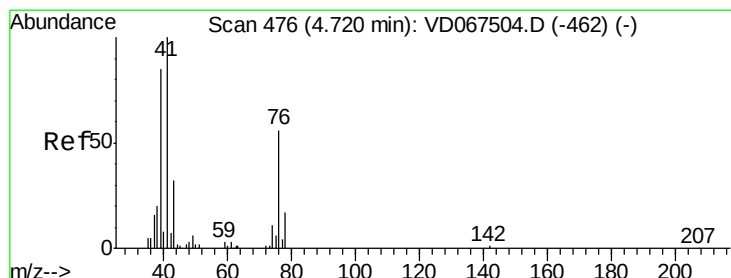
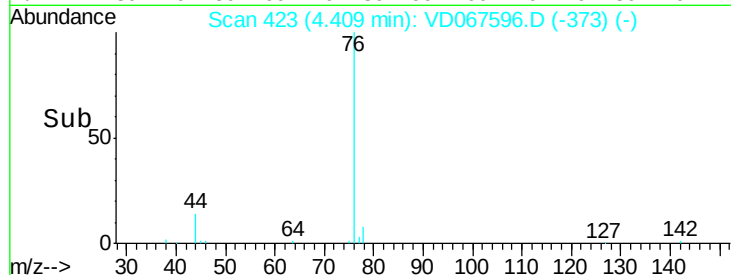


Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



Time-->



#18

Methyl Acetate

Concen: 24.078 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067596.D

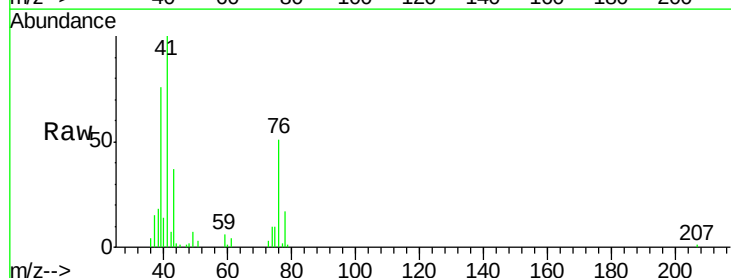
Acq: 11 Nov 2020 12:24

Tgt Ion: 43 Resp: 19285

Ion Ratio Lower Upper

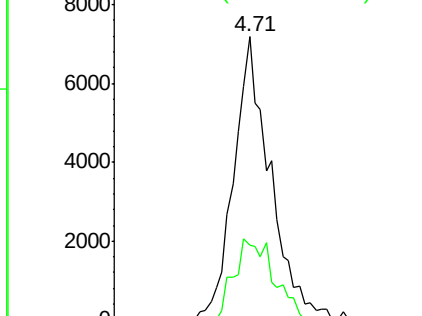
43 100

74 30.9 27.2 40.8

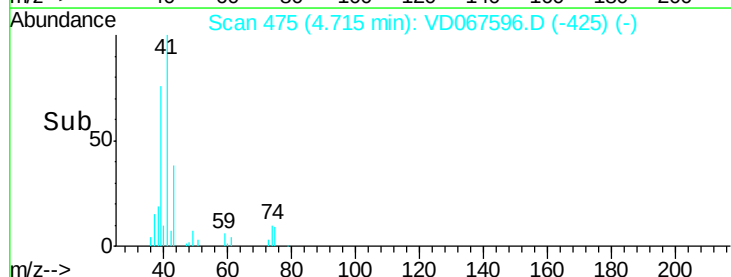


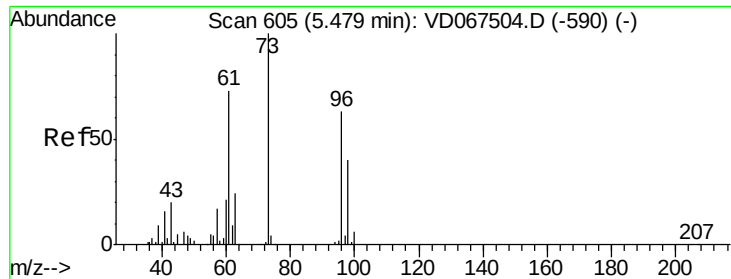
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



Time-->





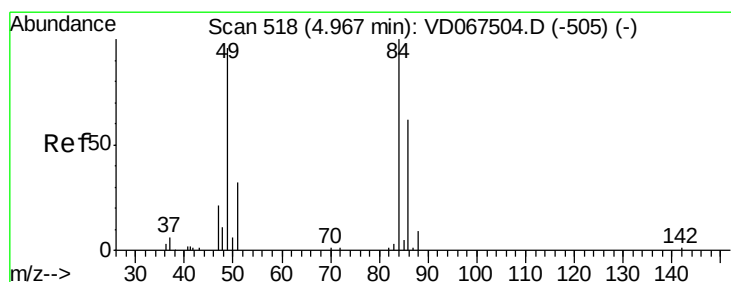
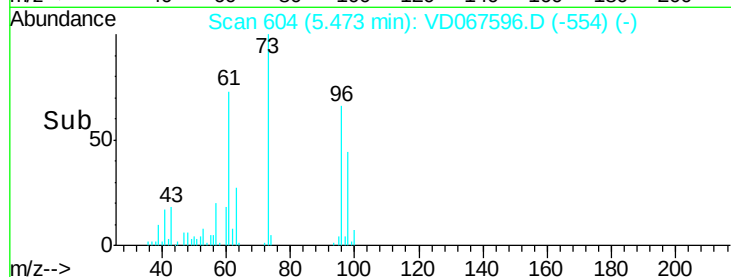
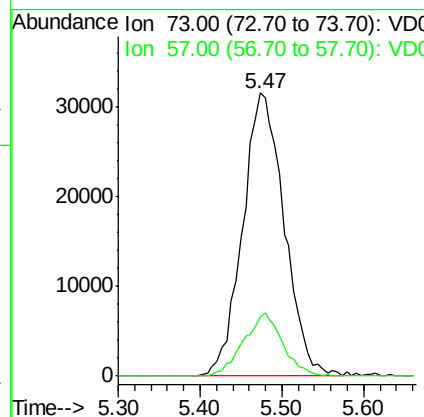
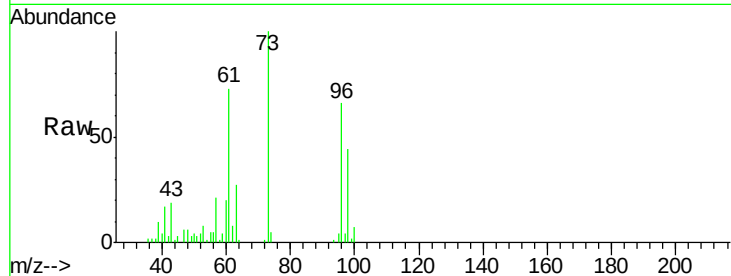
#19
Methyl tert-butyl Ether
Concen: 22.877 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion: 73 Resp: 111567
Ion Ratio Lower Upper
73 100
57 21.0 13.4 20.0#

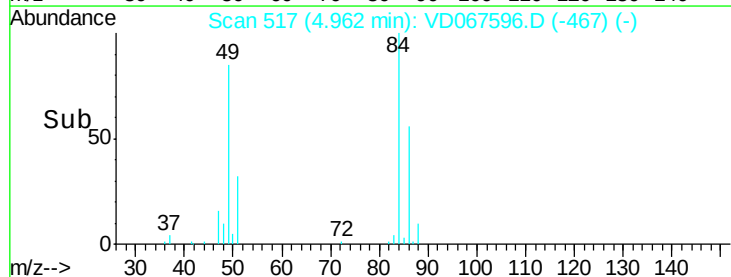
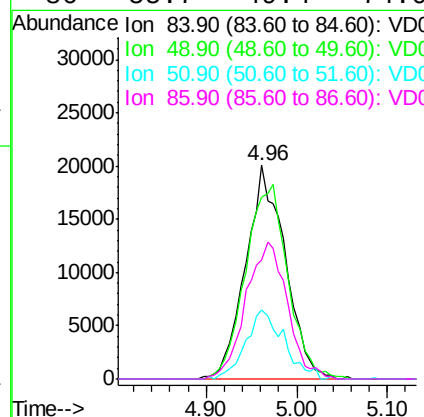
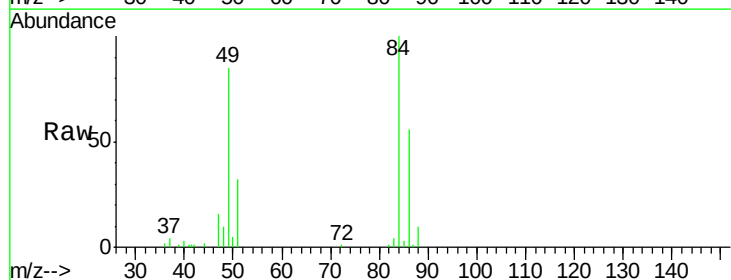
Manual Integrations
APPROVED

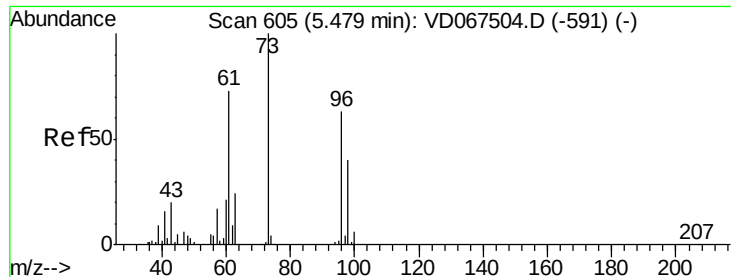
MMDadoda
11/12/2020 1:11:42 PM



#20
Methylene Chloride
Concen: 22.130 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Tgt Ion: 84 Resp: 60590
Ion Ratio Lower Upper
84 100
49 85.2 77.0 115.4
51 32.3 25.4 38.2
86 55.7 49.4 74.0





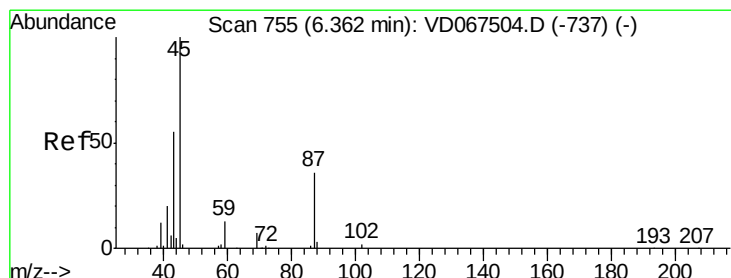
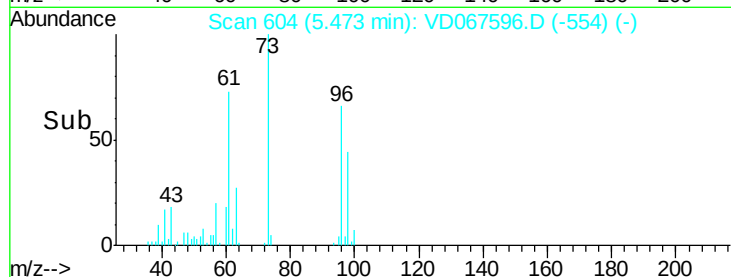
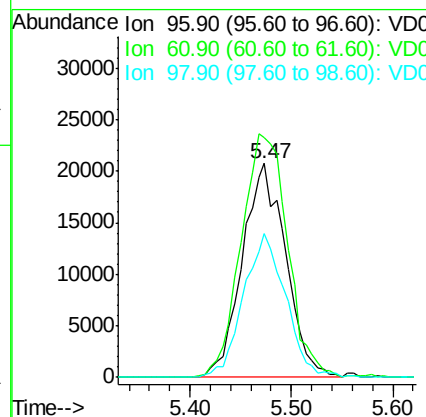
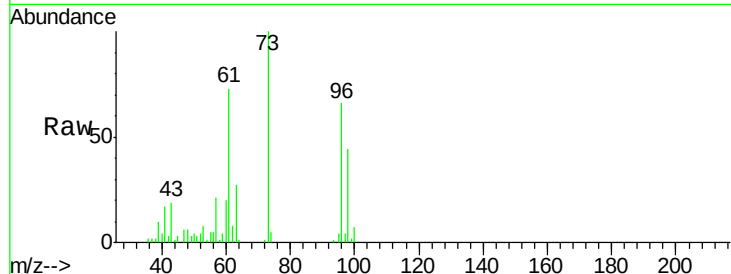
#21
trans-1,2-Dichloroethene
Concen: 21.415 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	111.7	93.0	139.6
98	67.1	50.9	76.3

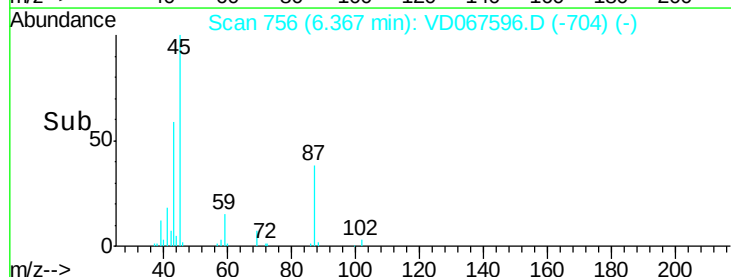
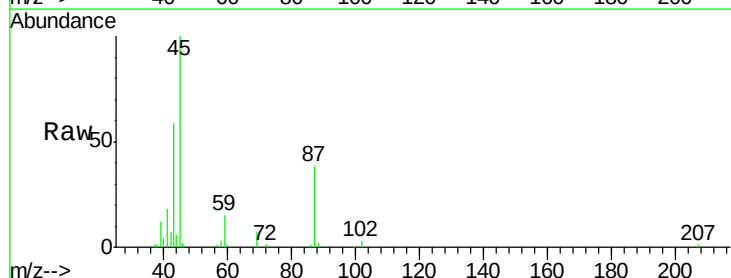
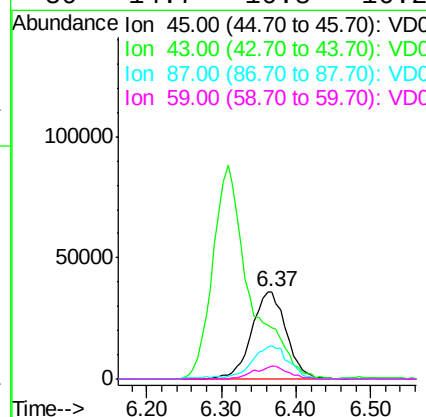
Manual Integrations
APPROVED

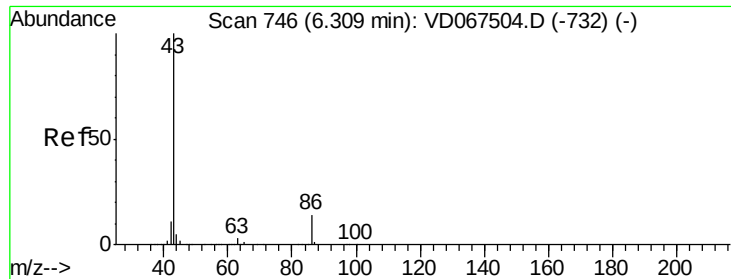
MMDadoda
11/12/2020 1:11:42 PM



#22
Diisopropyl ether
Concen: 22.559 ug/l
RT: 6.37 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.6	46.2	69.4
87	38.0	29.4	44.2
59	14.7	10.8	16.2





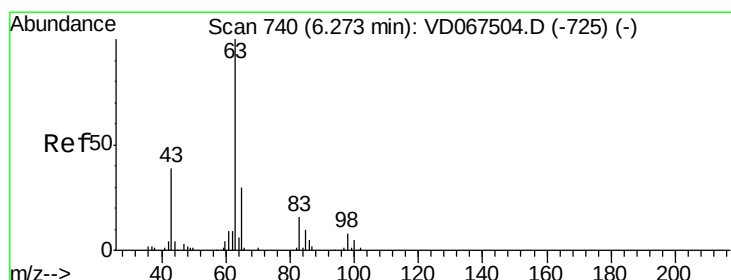
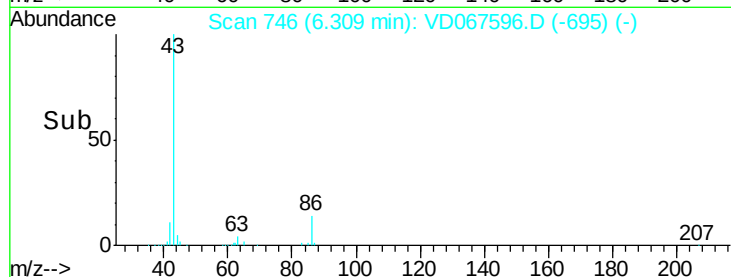
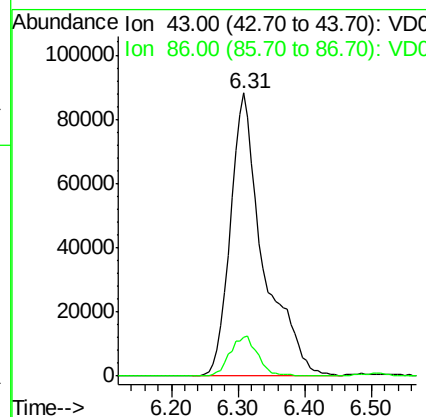
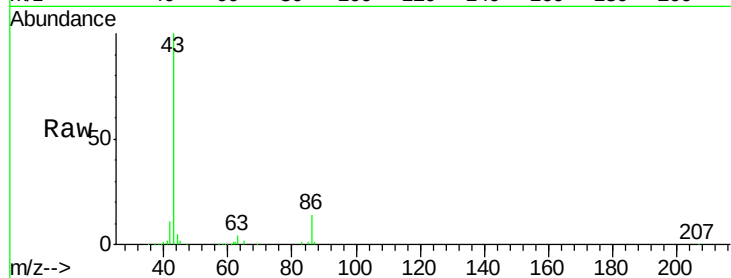
#23
 Vinyl Acetate
 Concen: 113.113 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VD067596.D
 Acq: 11 Nov 2020 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Tot Ion: 43 Resp: 305309
 Ion Ratio Lower Upper
 43 100
 86 13.5 11.6 17.4

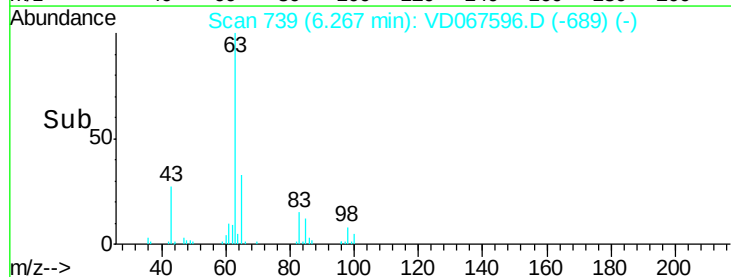
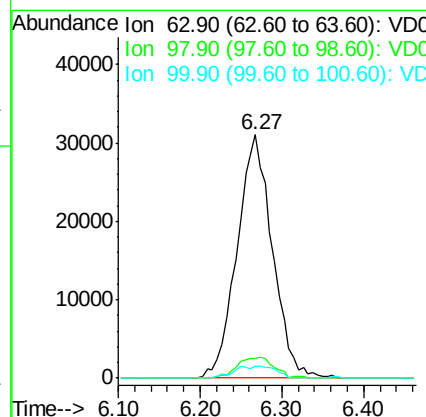
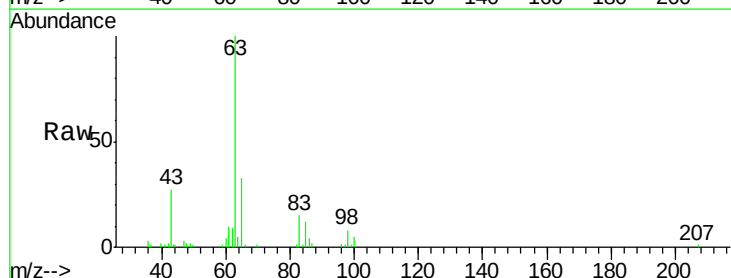
Manual Integrations
 APPROVED

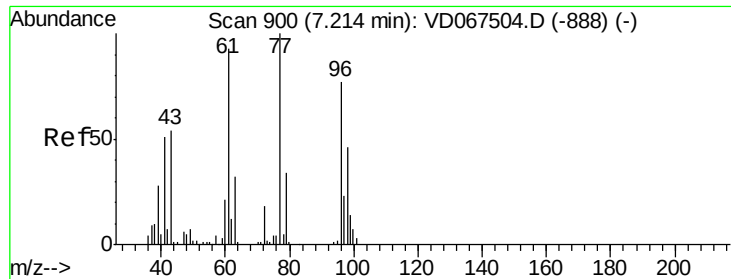
MMDadoda
 11/12/2020 1:11:42 PM



#24
 1,1-Dichloroethane
 Concen: 22.089 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: VD067596.D
 Acq: 11 Nov 2020 12:24

Tgt Ion: 63 Resp: 93182
 Ion Ratio Lower Upper
 63 100
 98 8.3 3.9 11.5
 100 5.1 2.6 7.8





#25

2-Butanone

Concen: 112.175 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067596.D

Acq: 11 Nov 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 43 Resp: 46458

Ion Ratio Lower Upper

43 100

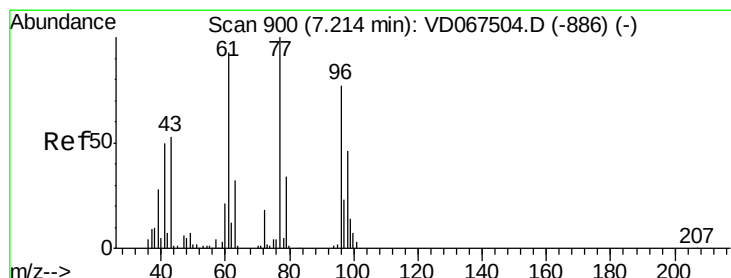
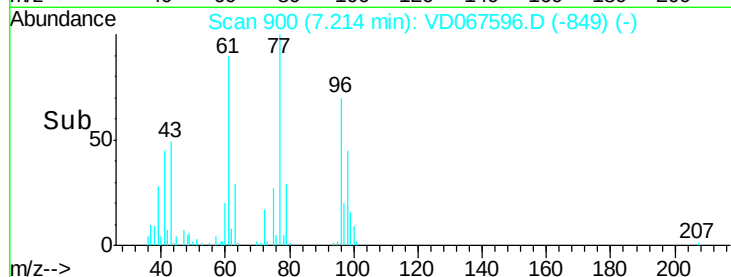
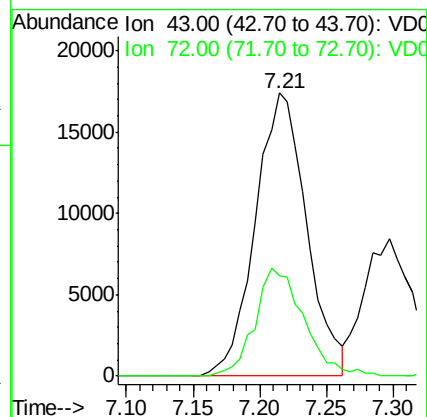
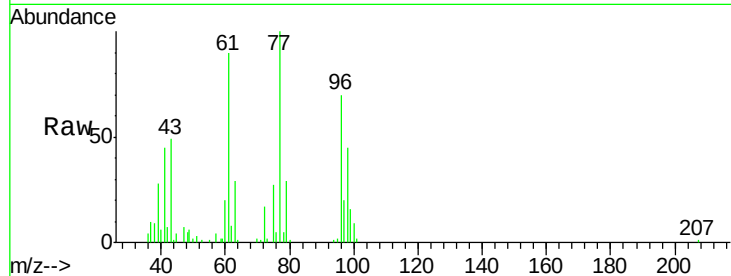
72 35.3 26.4 39.6

Manual Integrations

APPROVED

MMDadoda

11/12/2020 1:11:42 PM



#26

2,2-Dichloropropane

Concen: 22.967 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067596.D

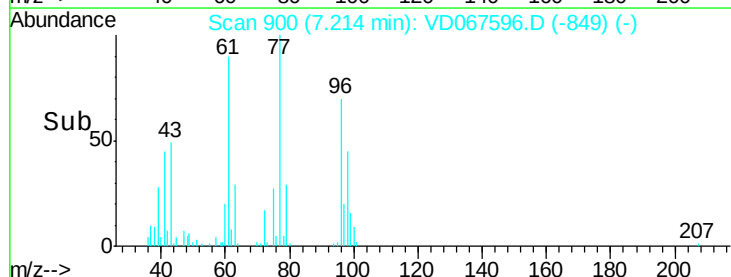
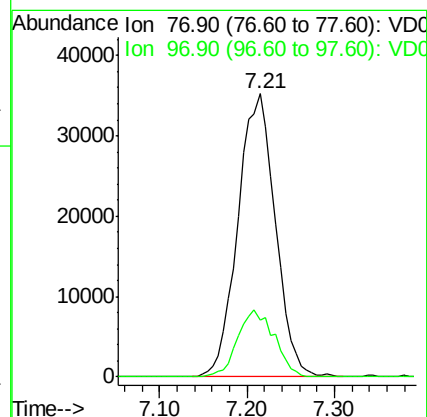
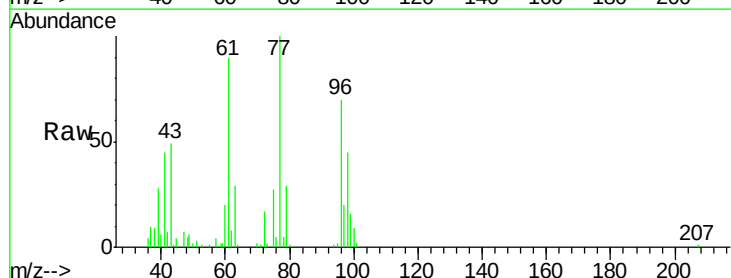
Acq: 11 Nov 2020 12:24

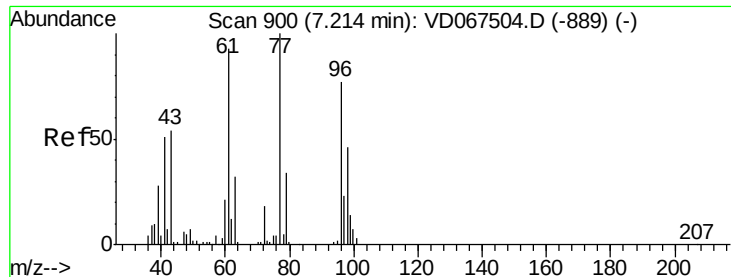
Tgt Ion: 77 Resp: 102251

Ion Ratio Lower Upper

77 100

97 23.2 11.1 33.3





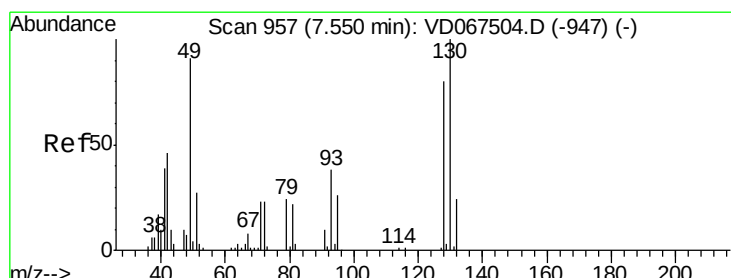
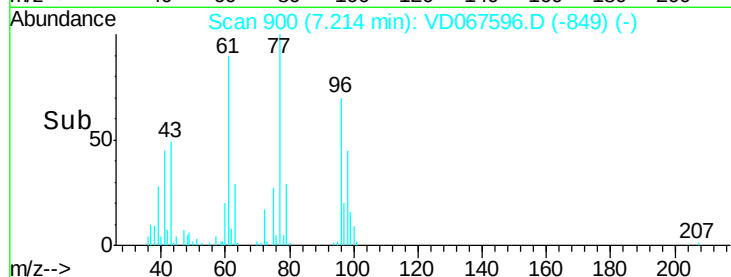
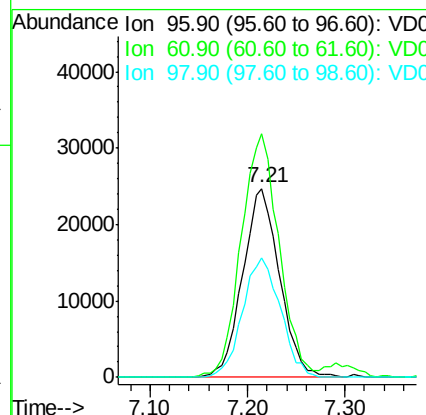
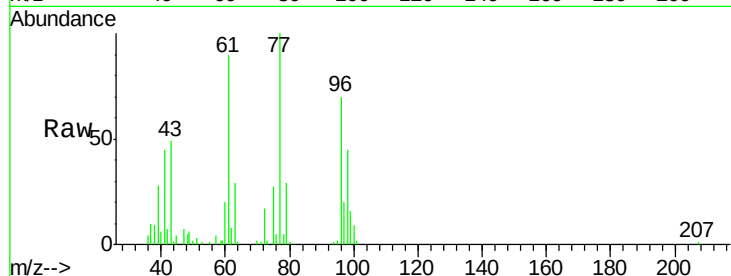
#27
 cis-1,2-Dichloroethene
 Concen: 21.844 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067596.D
 Acq: 11 Nov 2020 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.8	0.0	251.6
98	65.0	0.0	128.0

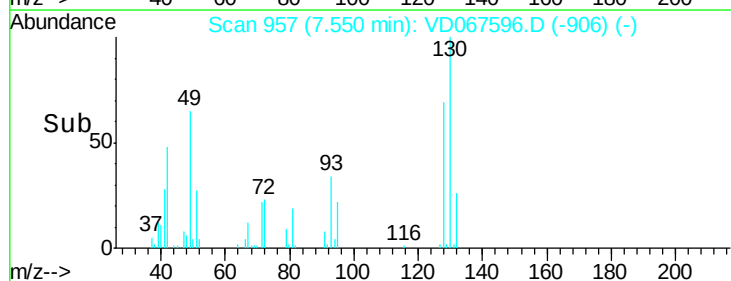
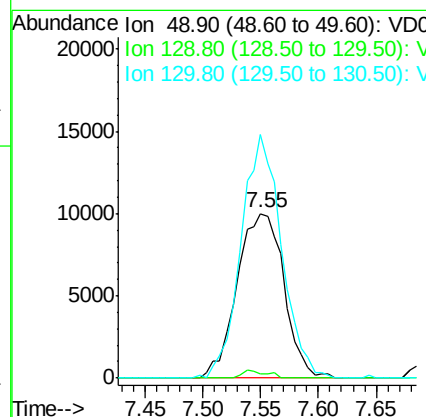
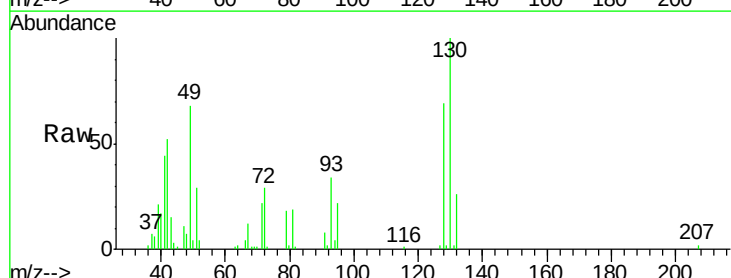
Manual Integrations
 APPROVED

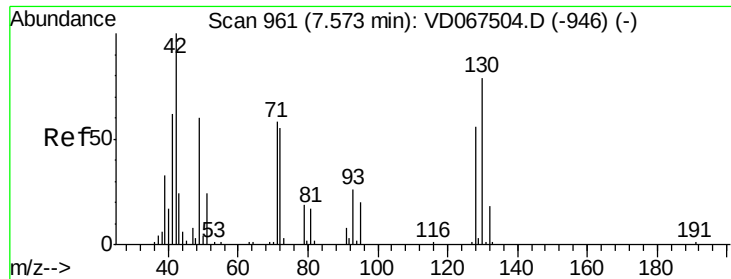
MMDadoda
 11/12/2020 1:11:42 PM



#28
 Bromochloromethane
 Concen: 18.800 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD067596.D
 Acq: 11 Nov 2020 12:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	6.4
130	127.7	94.6	142.0





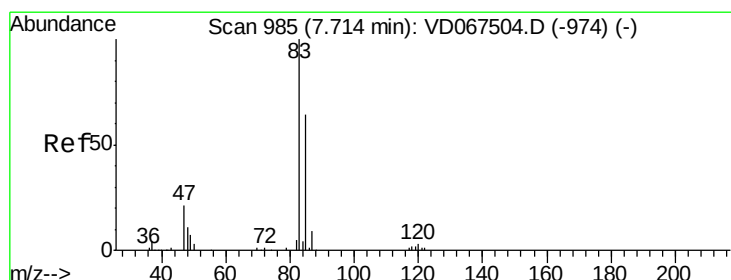
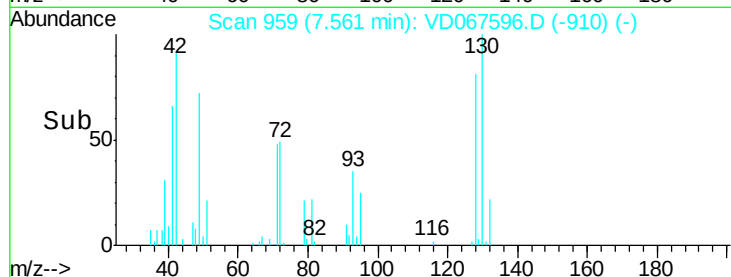
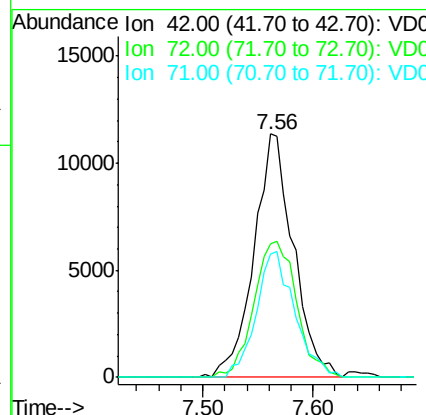
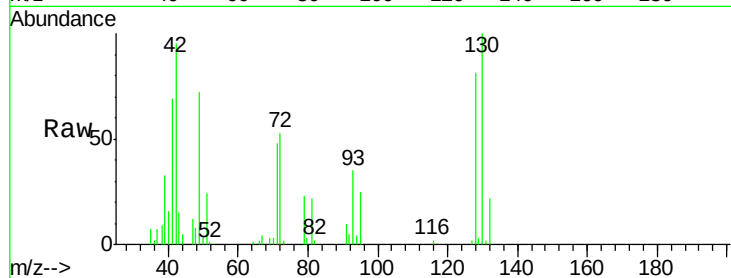
#29
Tetrahydrofuran
Concen: 114.604 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	60.5	46.3	69.5
71	50.5	44.0	66.0

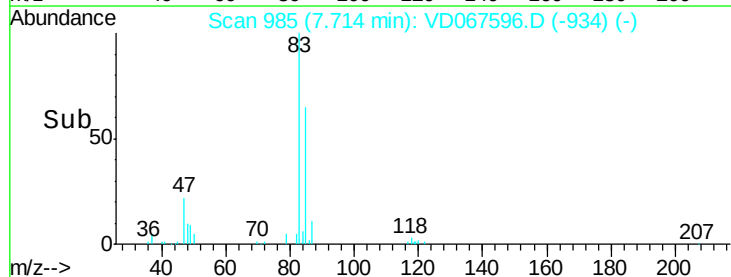
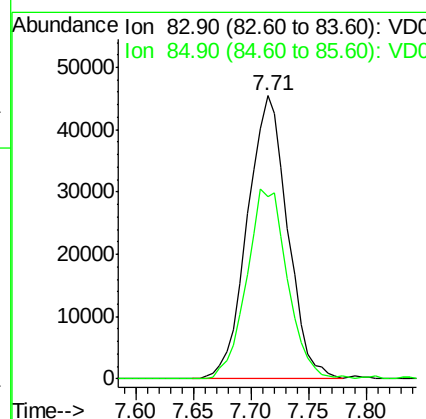
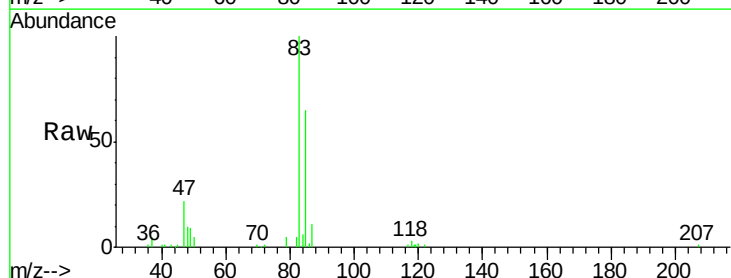
Manual Integrations
APPROVED

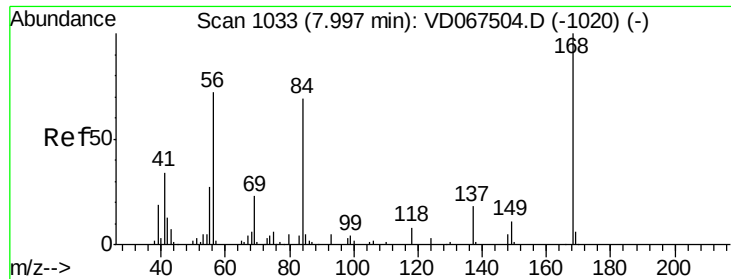
MMDadoda
11/12/2020 1:11:42 PM



#30
Chloroform
Concen: 21.898 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.5	77.3





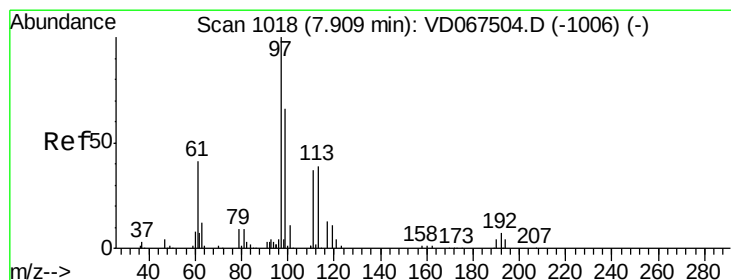
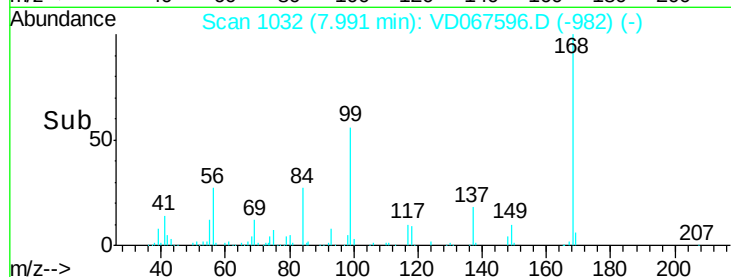
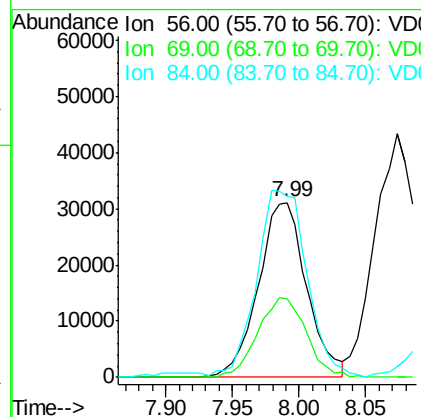
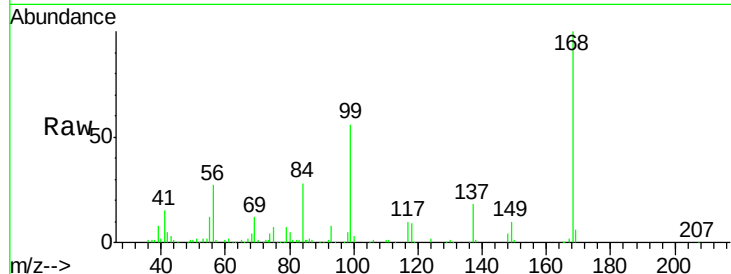
#31
Cyclohexane
Concen: 20.783 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	56	69	84
Resp	78073		
Ion Ratio	100	45.2	100.9
Lower		25.9	76.2
Upper		38.9#	114.4

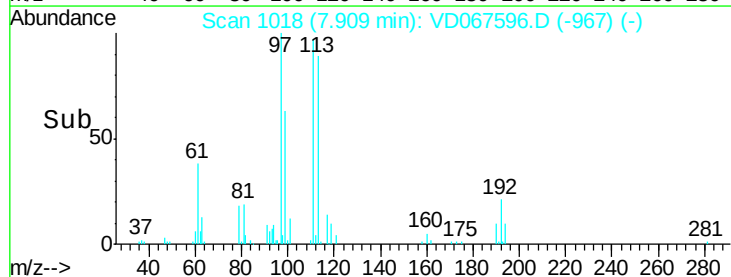
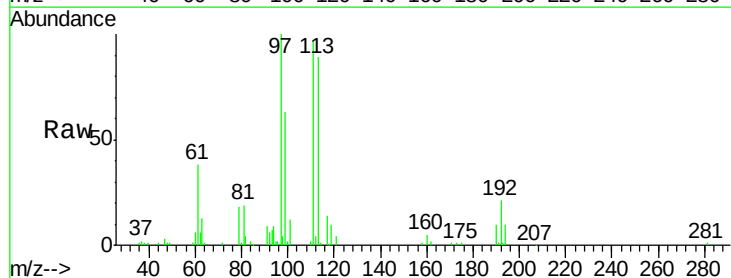
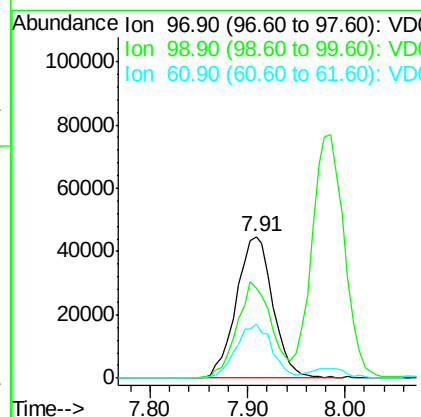
Manual Integrations
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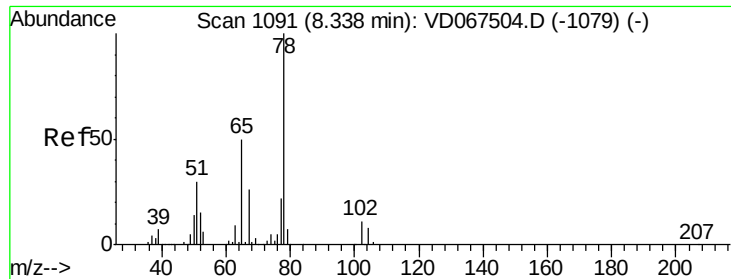
MMDadoda
11/12/2020 1:11:42 PM



#32
1,1,1-Trichloroethane
Concen: 22.332 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Tgt Ion	97	99	61
Resp	115958		
Ion Ratio	100	64.7	37.4
Lower		51.8	30.5
Upper		77.6	45.7





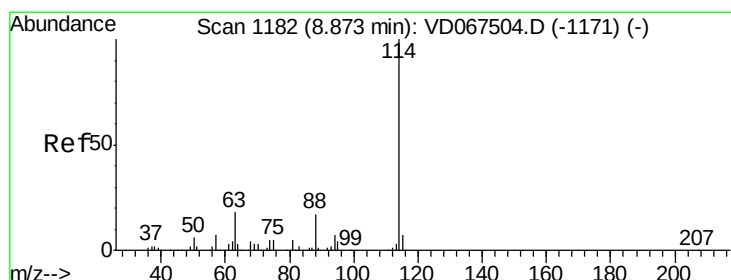
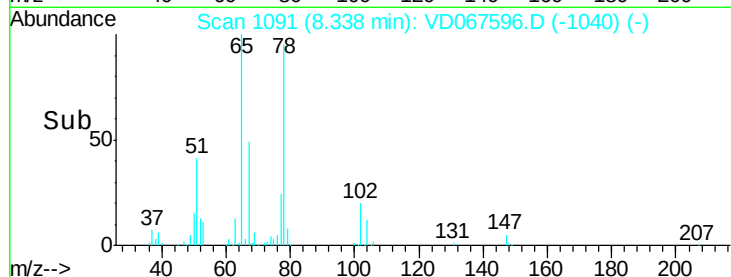
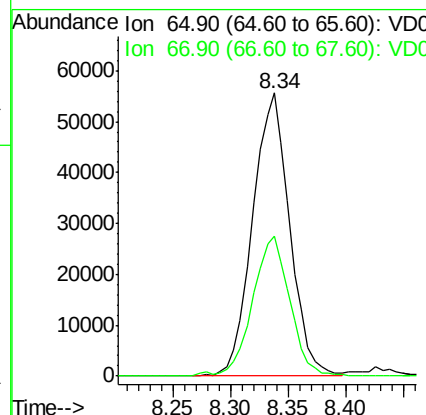
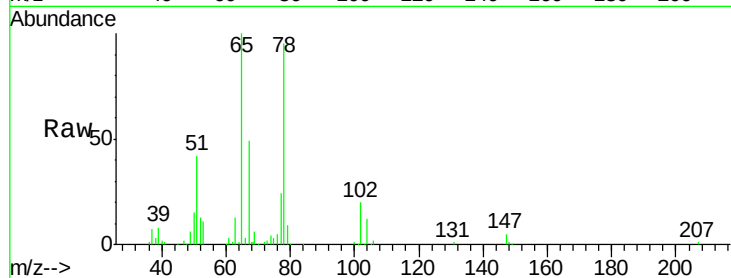
#33
 1,2-Dichloroethane-d4
 Concen: 47.991 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD067596.D
 Acq: 11 Nov 2020 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	49.2	0.0	99.4	

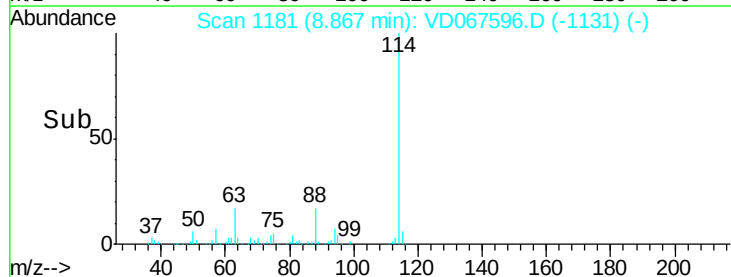
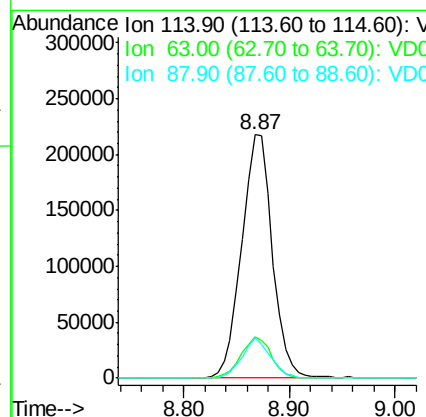
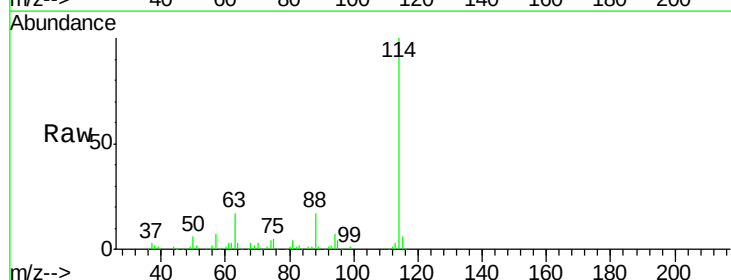
Manual Integrations
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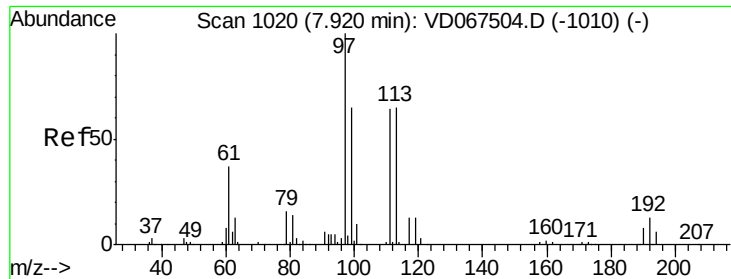
MMDadoda
 11/12/2020 1:11:42 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067596.D
 Acq: 11 Nov 2020 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.0	0.0	35.0	
88	16.6	0.0	33.0	





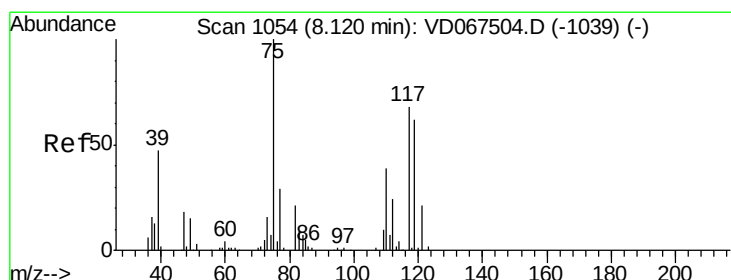
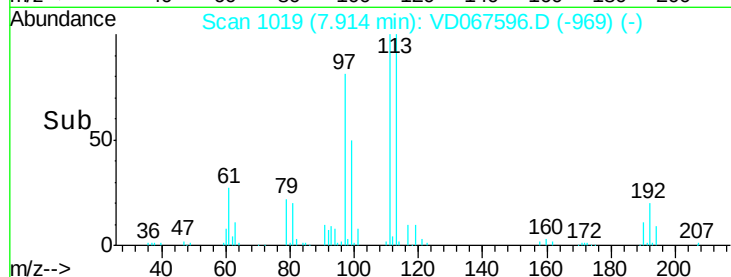
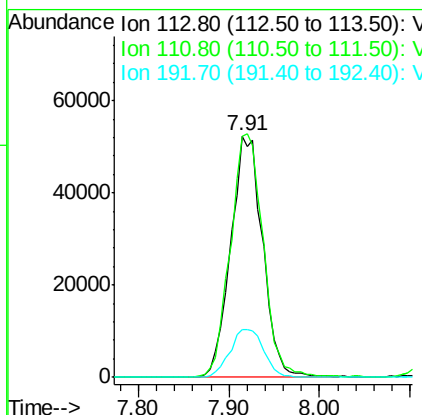
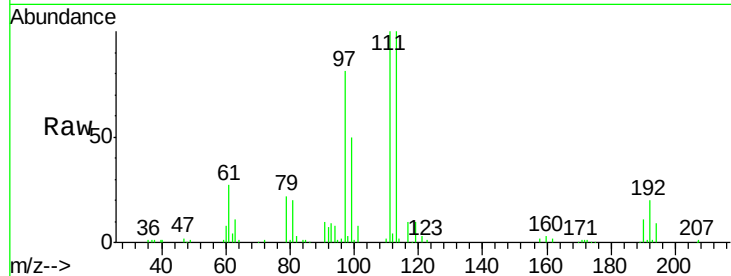
#35
 Dibromofluoromethane
 Concen: 48.500 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD067596.D
 Acq: 11 Nov 2020 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	128212		
111	103.0	80.0	120.0	
192	21.0	16.3	24.5	

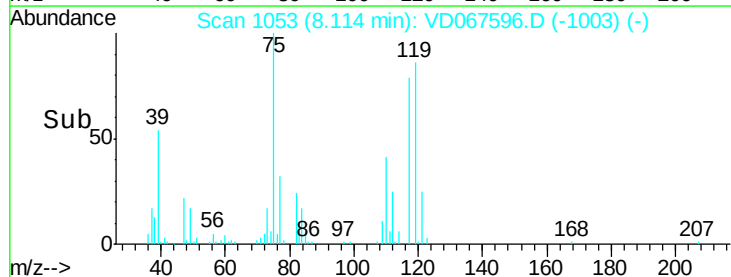
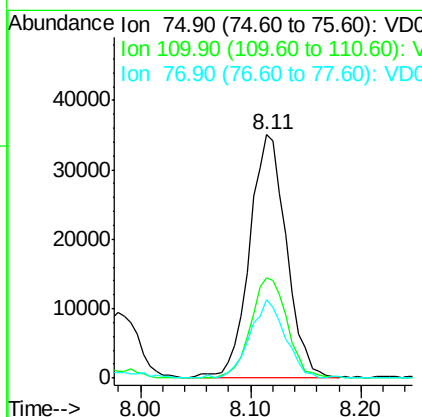
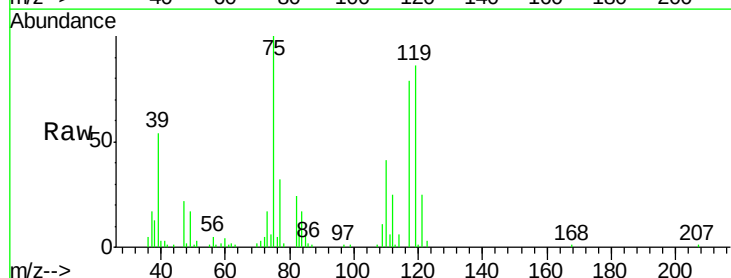
Manual Integrations
 APPROVED

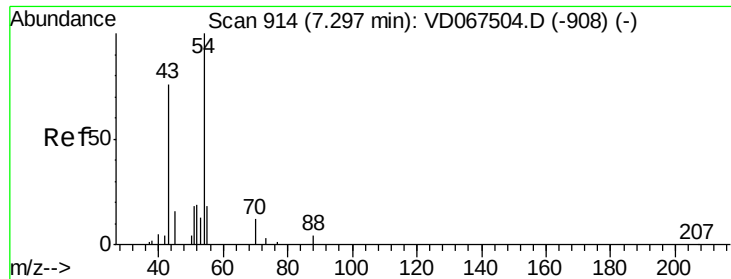
MMDadoda
 11/12/2020 1:11:42 PM



#36
 1,1-Dichloropropene
 Concen: 21.917 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD067596.D
 Acq: 11 Nov 2020 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	82314		
110	40.6	19.9	59.7	
77	30.8	24.8	37.2	





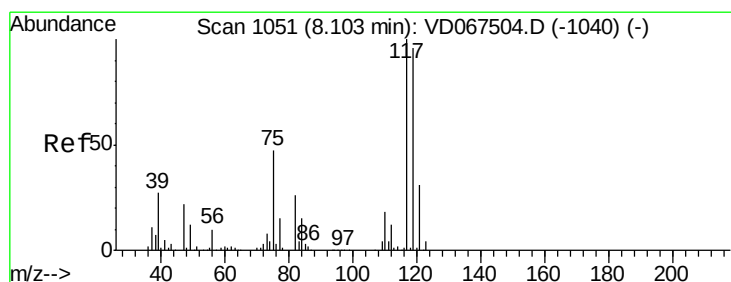
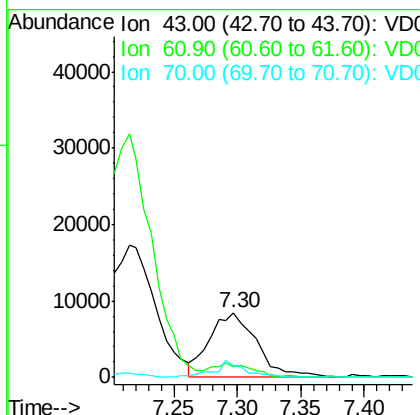
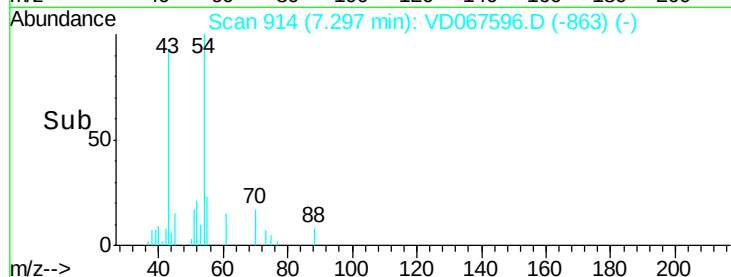
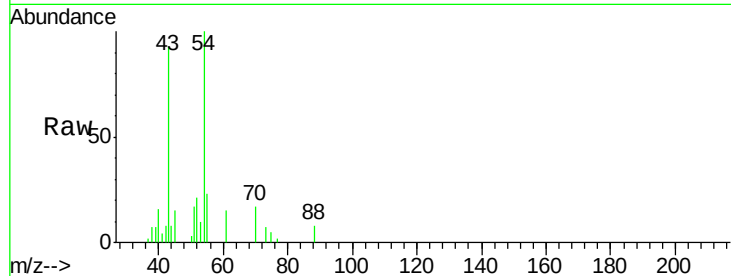
#37
Ethyl Acetate
Concen: 22.514 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.2	12.8	19.2
70	16.5	11.7	17.5

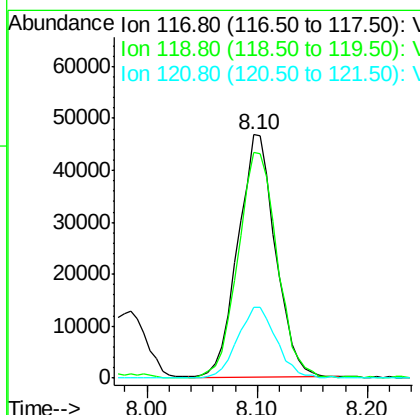
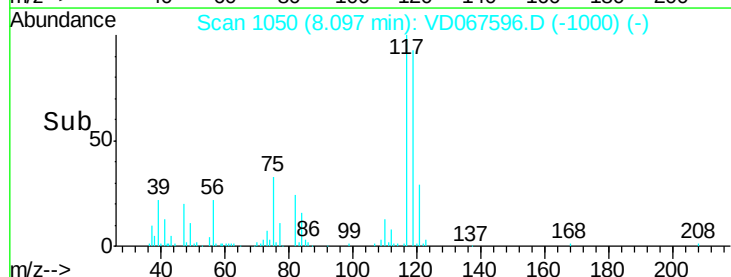
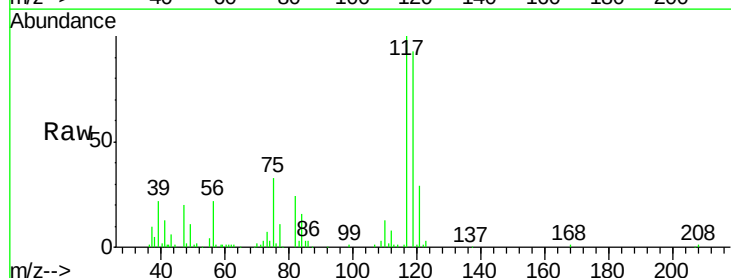
Manual Integrations
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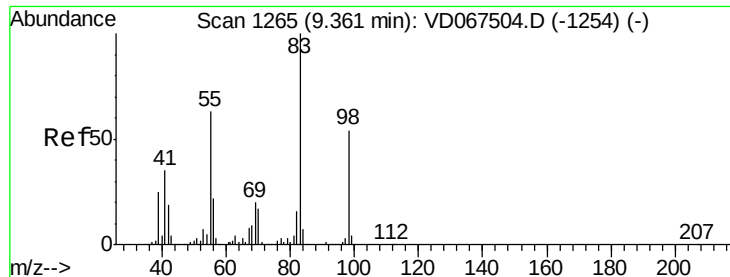
MMDadoda
11/12/2020 1:11:42 PM



#38
Carbon Tetrachloride
Concen: 22.767 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	76.9	115.3
121	29.3	24.5	36.7





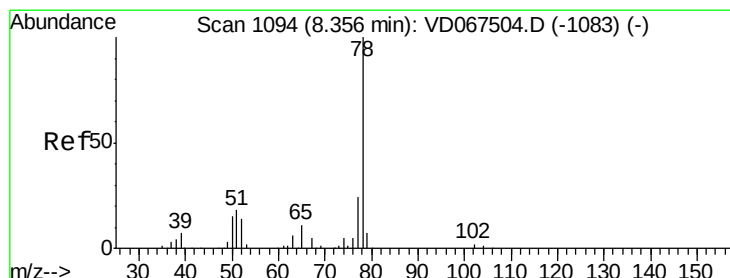
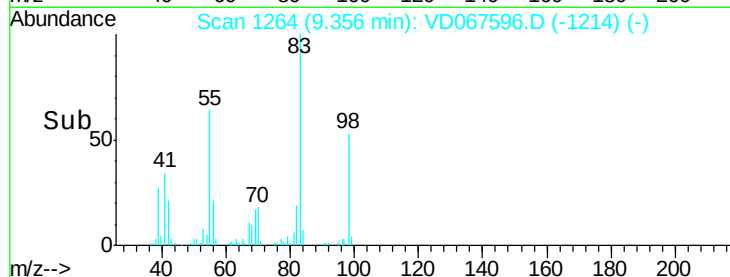
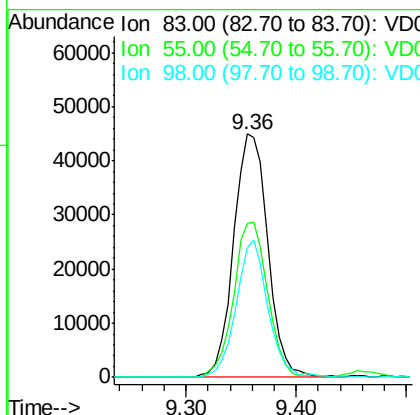
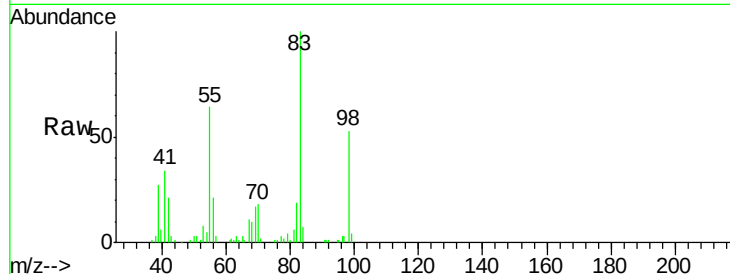
#39
Methylvlcyclohexane
Concen: 22.178 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	63.5	50.5	75.7
98	53.5	43.4	65.0

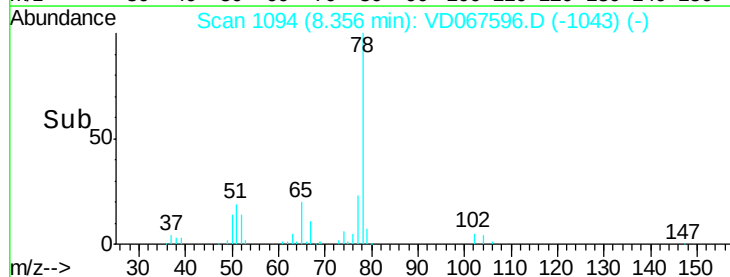
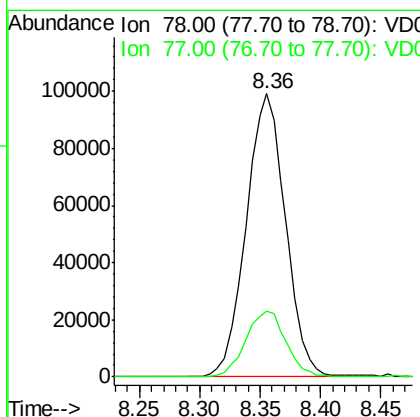
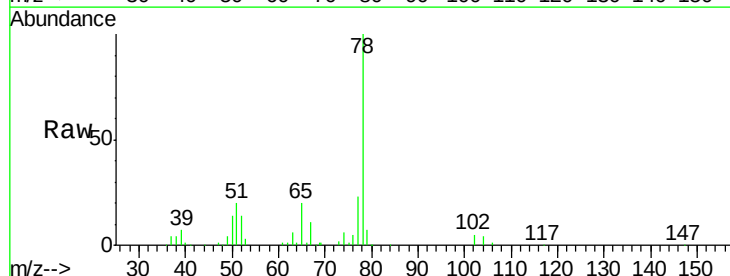
Manual Integrations
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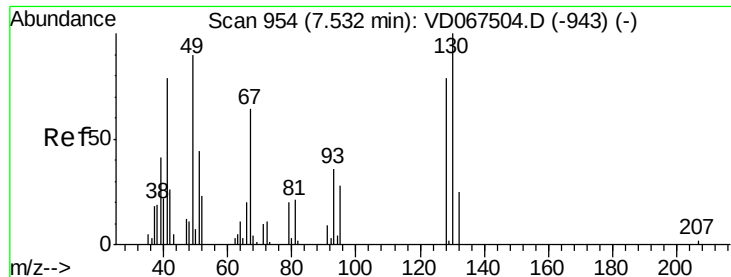
MMDadoda
11/12/2020 1:11:42 PM



#40
Benzene
Concen: 22.072 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.1	28.7





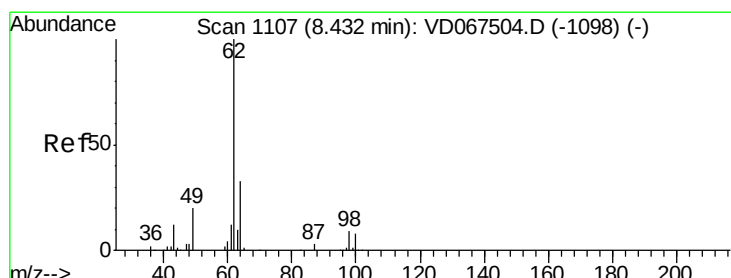
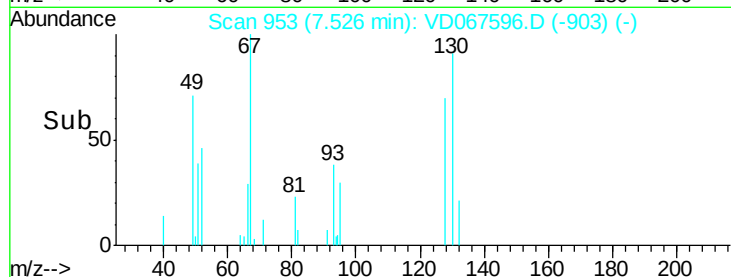
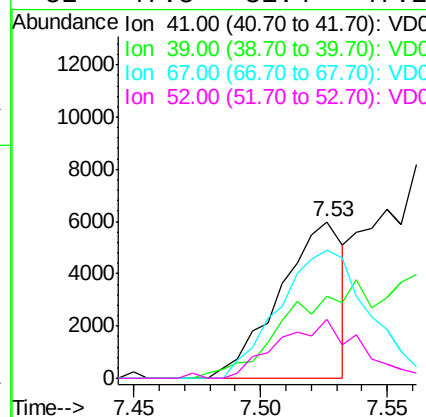
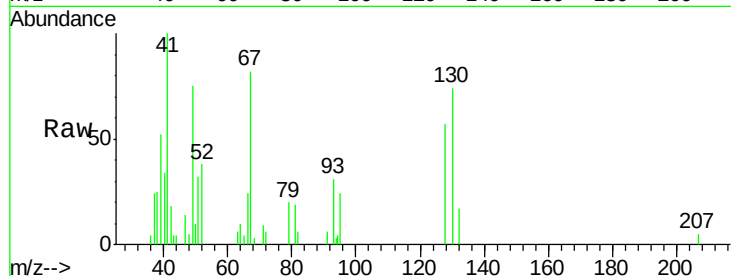
#41
Methacrylonitrile
Concen: 17.988 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	78.5	51.3	76.9#
67	116.3	78.9	118.3
52	47.5	31.4	47.2#

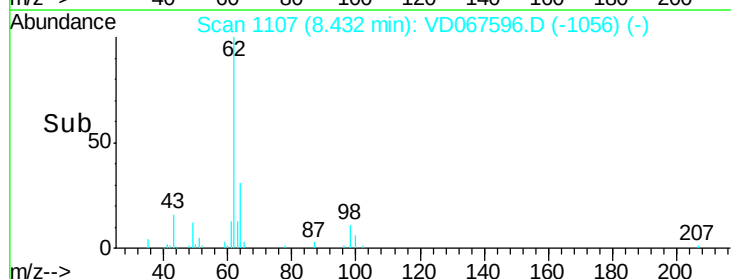
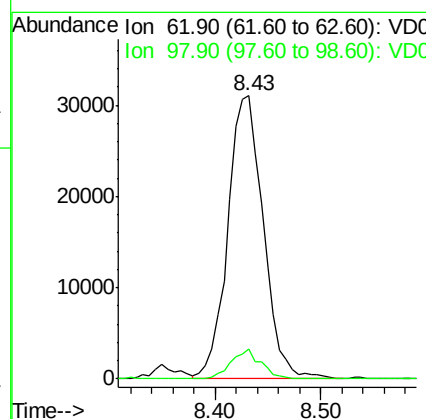
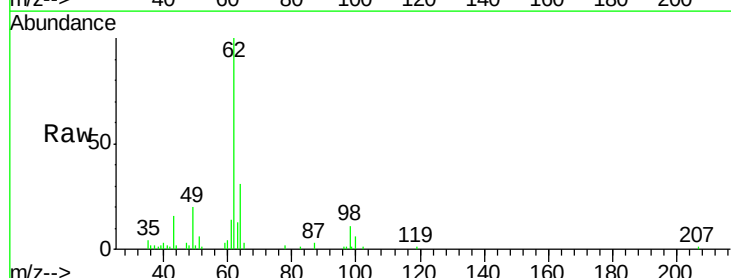
Manual Integrations
APPROVED

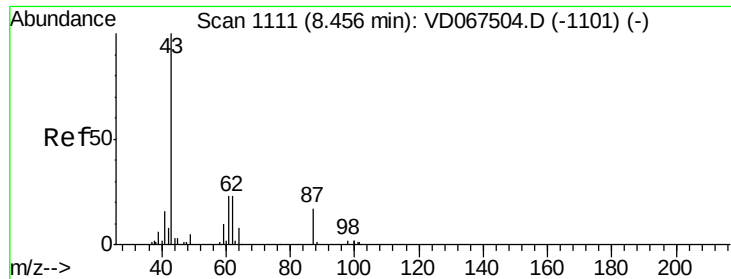
MMDadoda
11/12/2020 1:11:42 PM



#42
1,2-Dichloroethane
Concen: 22.981 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	19.8





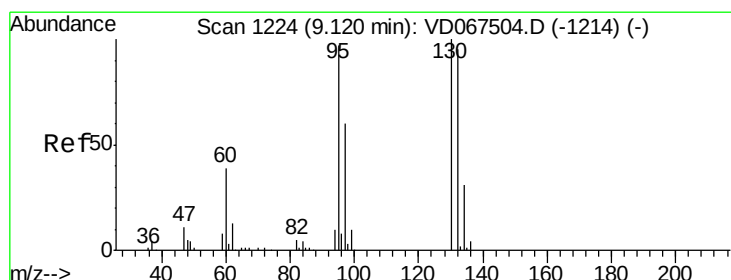
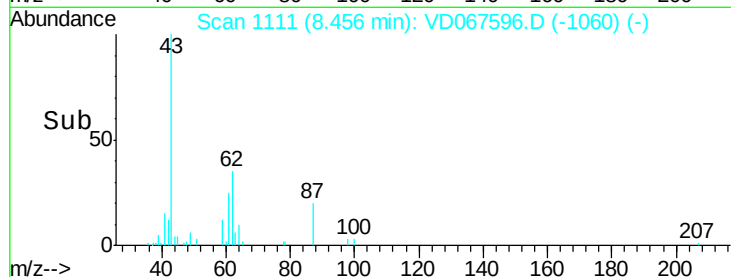
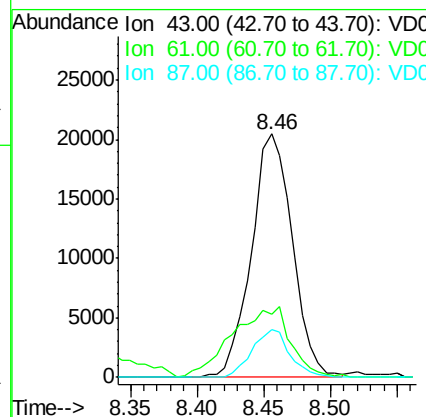
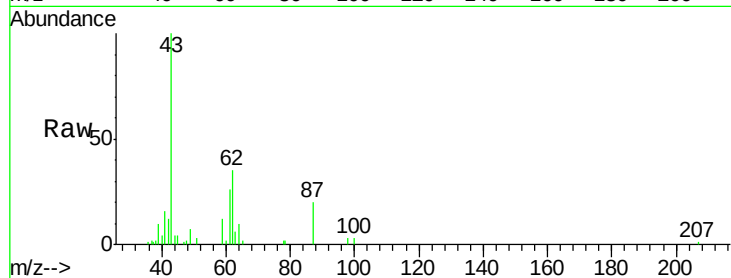
#43
Isopropyl Acetate
Concen: 22.528 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	41.5	30.5	45.7
87	18.0	14.7	22.1

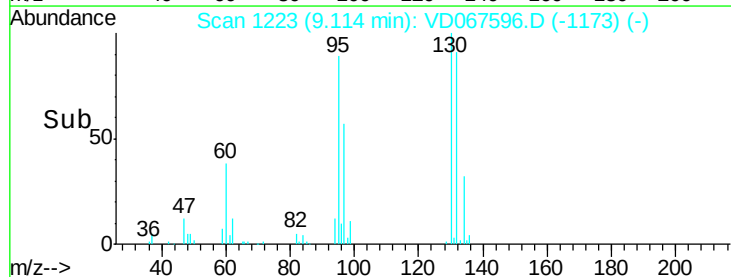
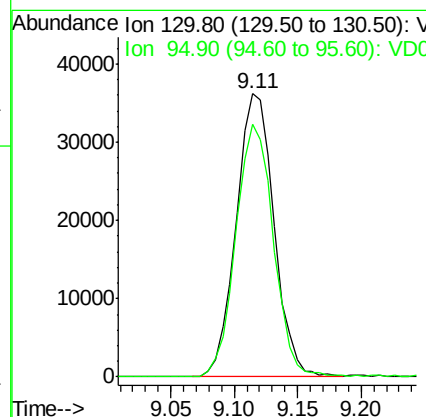
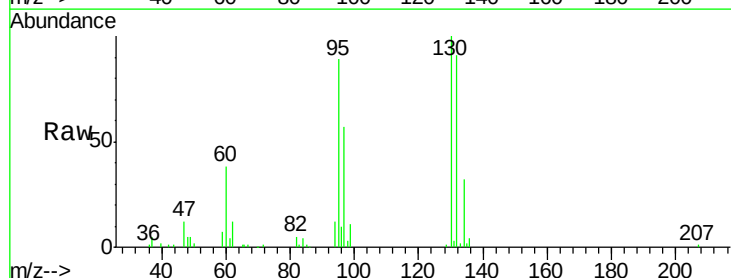
Manual Integrations
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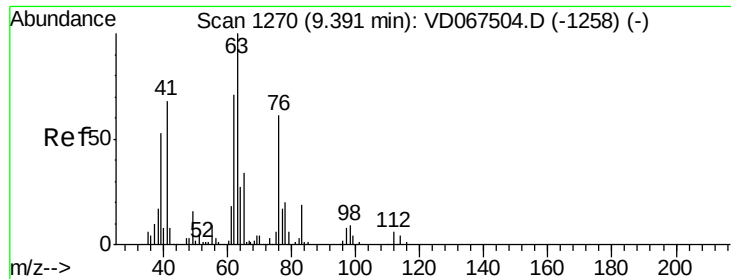
MMDadoda
11/12/2020 1:11:42 PM



#44
Trichloroethene
Concen: 22.377 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.4	0.0	194.4





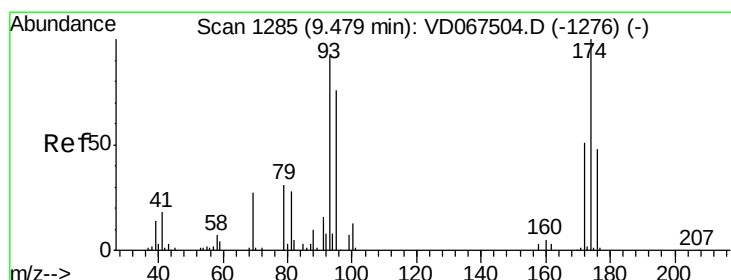
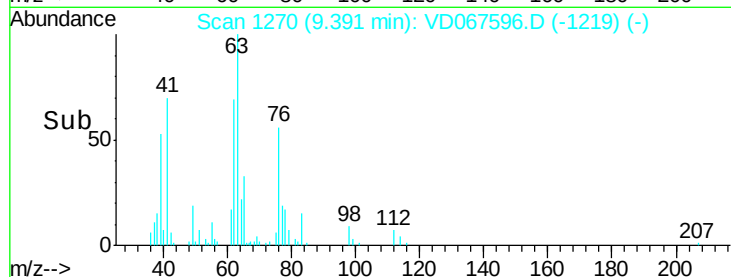
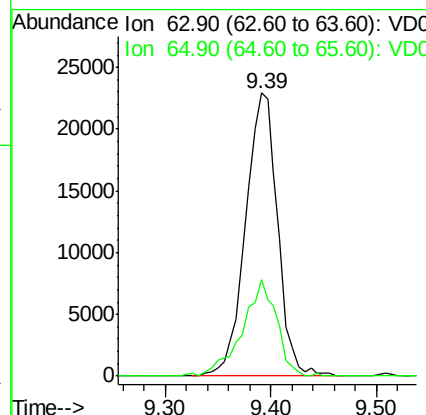
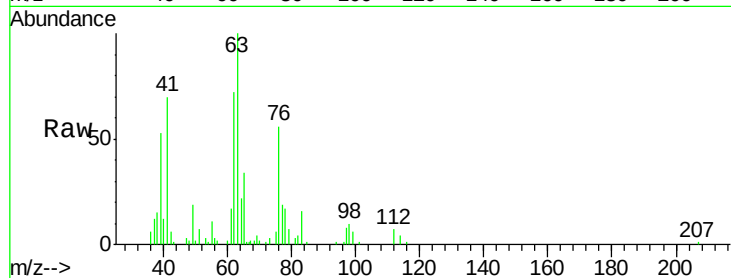
#45
 1,2-Dichloropropane
 Concen: 21.969 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067596.D
 Acq: 11 Nov 2020 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Tot Ion	63	Resp	48321
Ion Ratio	Lower	Upper	
63	100		
65	34.1	26.9	40.3

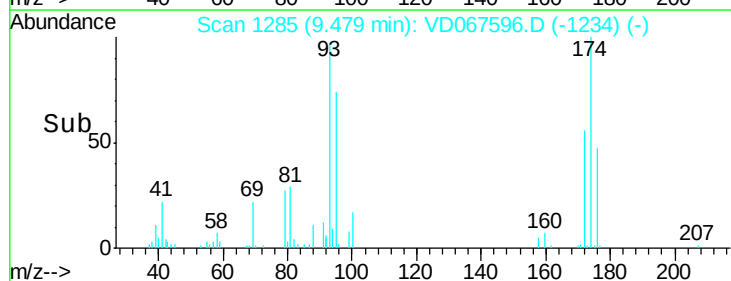
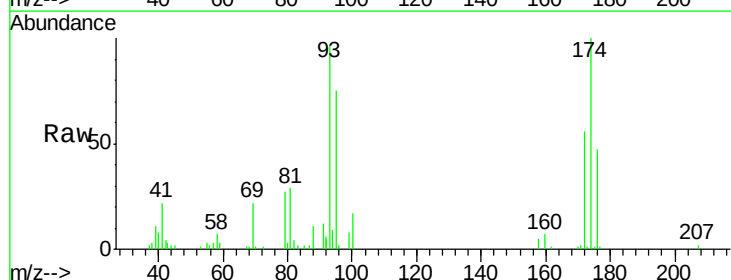
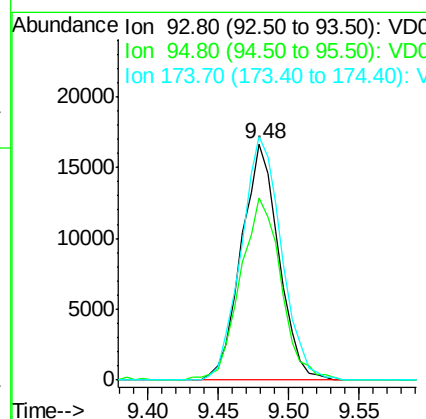
Manual Integrations
 APPROVED

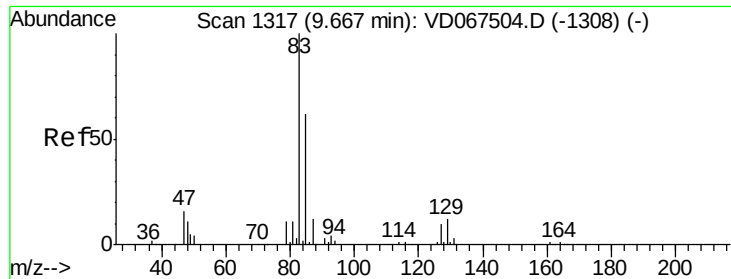
MMDadoda
 11/12/2020 1:11:42 PM



#46
 Dibromomethane
 Concen: 22.153 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067596.D
 Acq: 11 Nov 2020 12:24

Tgt Ion	93	Resp	30982
Ion Ratio	Lower	Upper	
93	100		
95	84.0	66.4	99.6
174	110.8	88.2	132.4





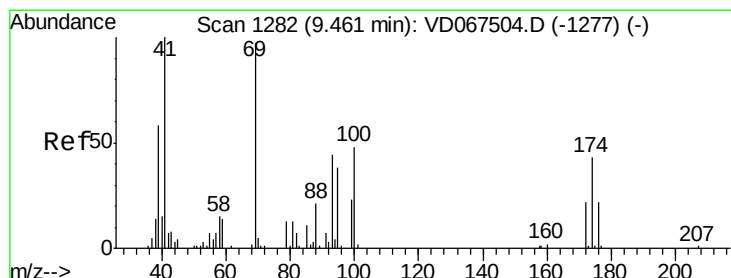
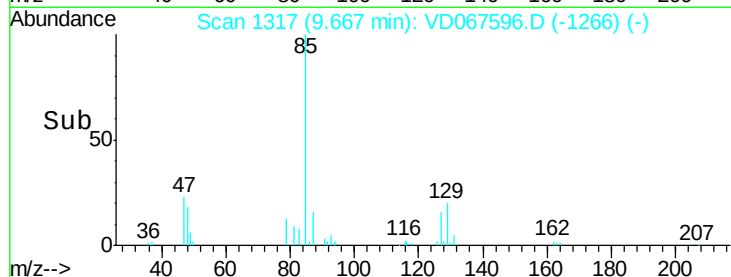
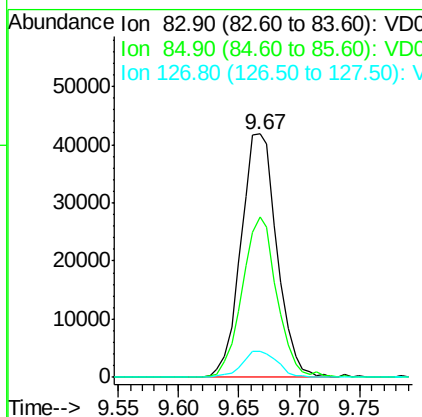
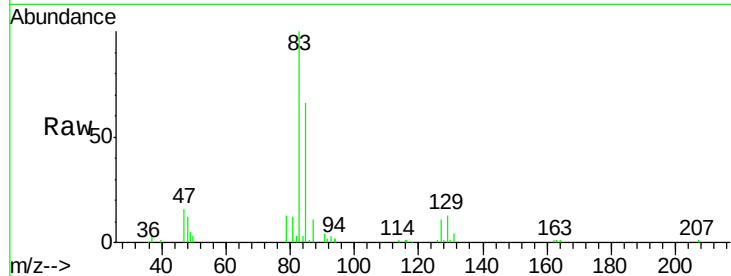
#47
Bromodichloromethane
Concen: 22.849 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	83	Resp	86855
Ion Ratio	100	Lower	Upper
83	100		
85	66.1	49.4	74.2
127	10.8	7.7	11.5

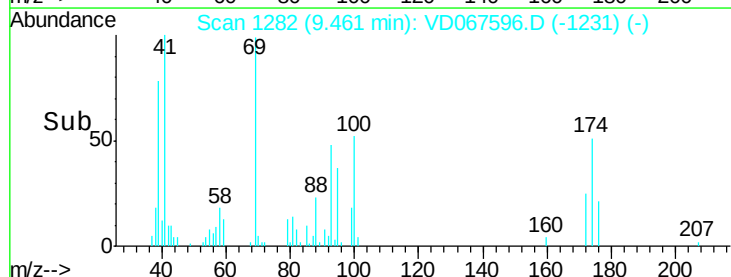
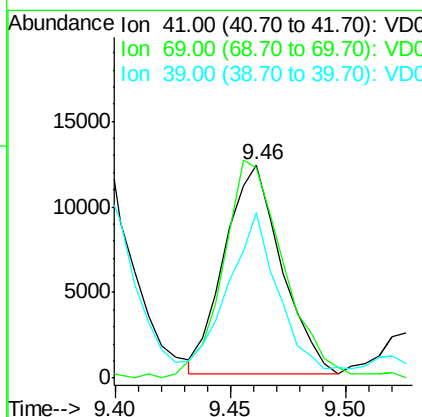
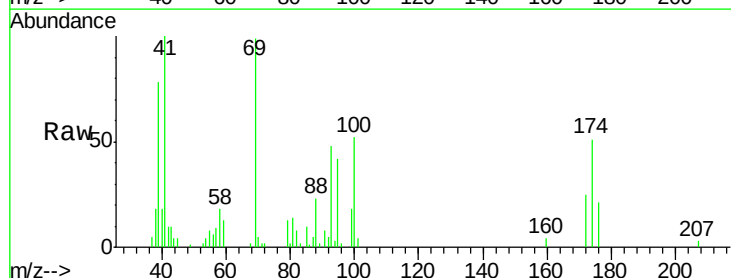
Manual Integrations
APPROVED

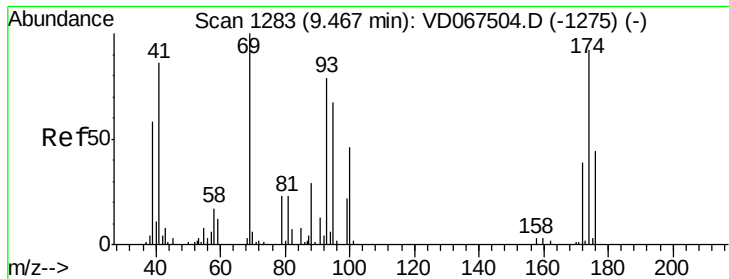
MMDadoda
11/12/2020 1:11:42 PM



#48
Methyl methacrylate
Concen: 20.956 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Tgt Ion	41	Resp	20865
Ion Ratio	100	Lower	Upper
41	100		
69	112.7	80.6	121.0
39	65.4	50.2	75.4





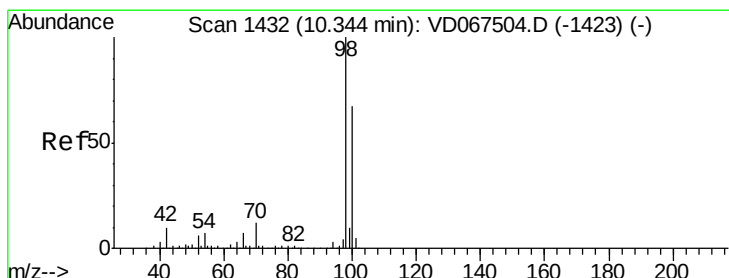
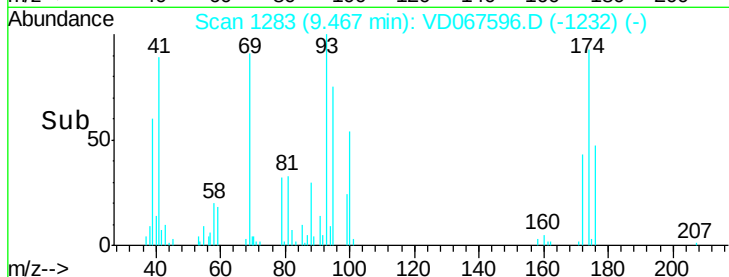
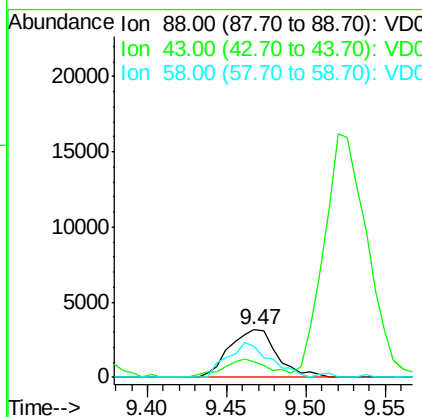
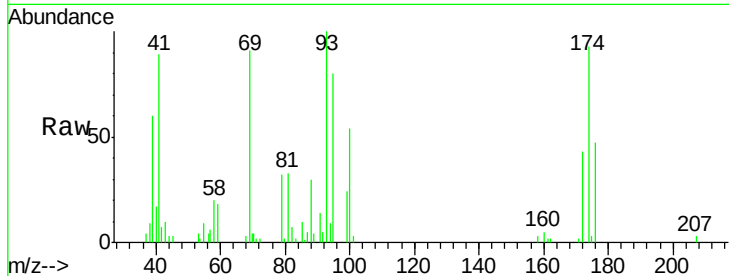
#49
1,4-Dioxane
Concen: 466.066 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion: 88 Resp: 6617
Ion Ratio Lower Upper
88 100
43 37.4 23.6 35.4#
58 65.2 44.7 67.1

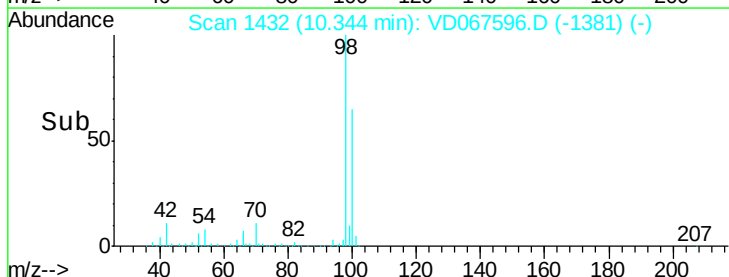
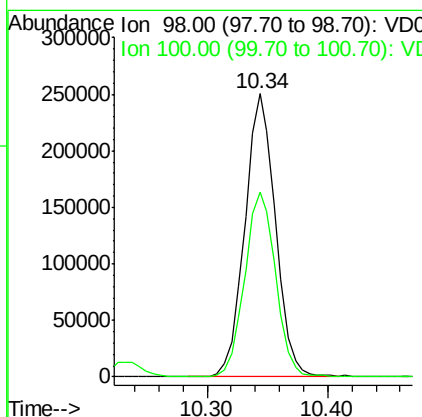
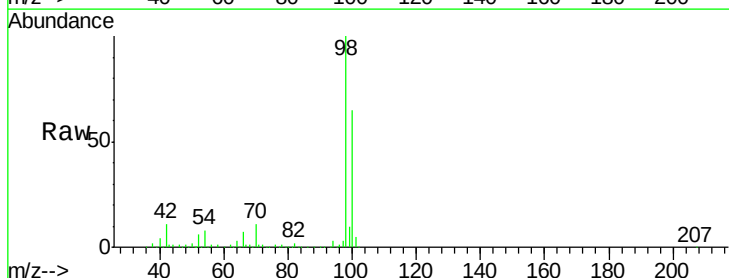
Manual Integrations
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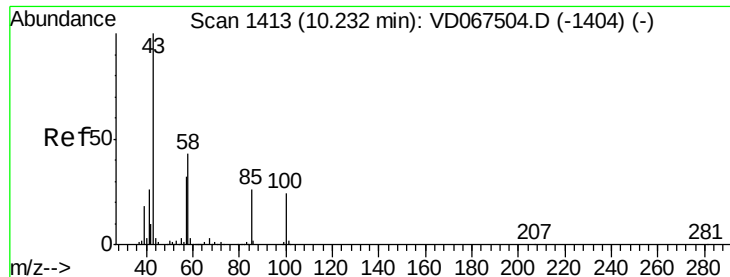
MMDadoda
11/12/2020 1:11:42 PM



#50
Toluene-d8
Concen: 47.619 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Tgt Ion: 98 Resp: 442376
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 118.534 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067596.D

Acq: 11 Nov 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 43 Resp: 109317

Ion Ratio Lower Upper

43 100

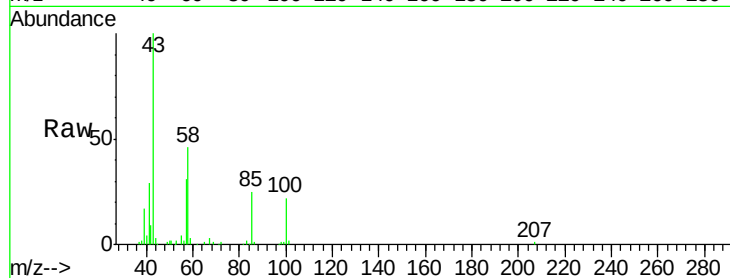
58 43.4 35.6 53.4

Manual Integrations

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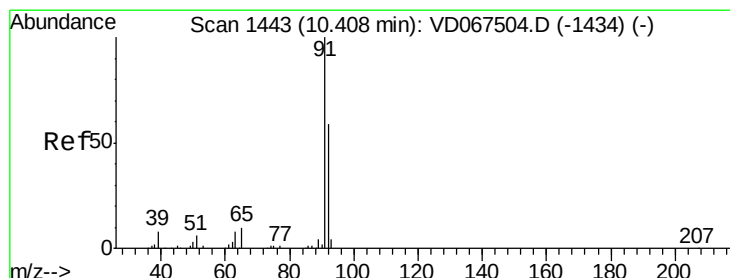
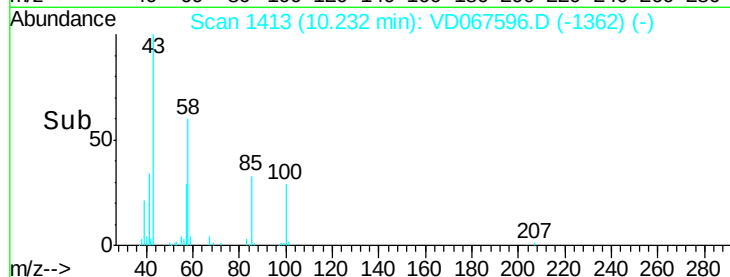
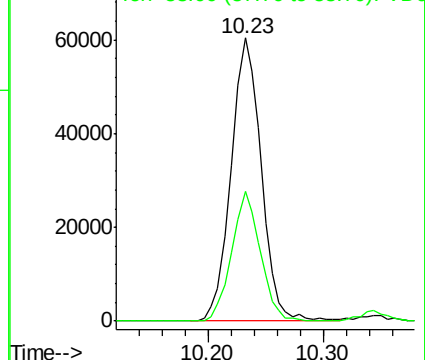
MMDadoda

11/12/2020 1:11:42 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 22.807 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067596.D

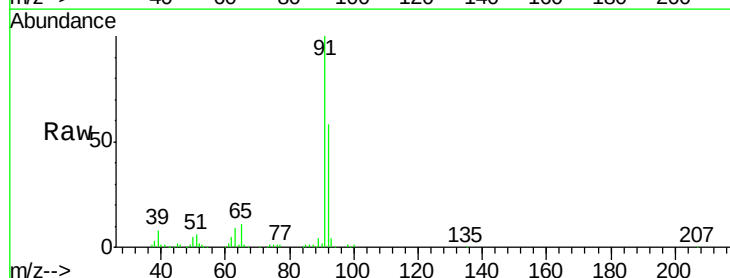
Acq: 11 Nov 2020 12:24

Tgt Ion: 92 Resp: 155407

Ion Ratio Lower Upper

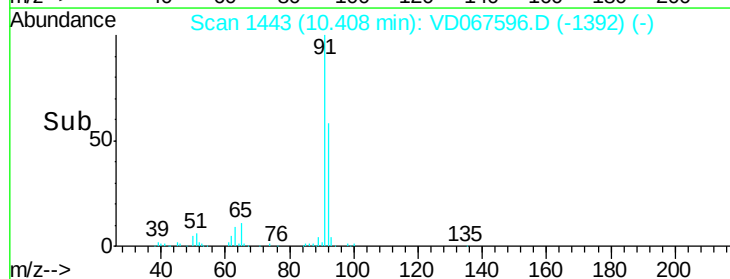
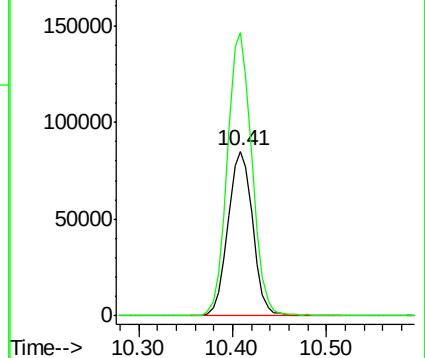
92 100

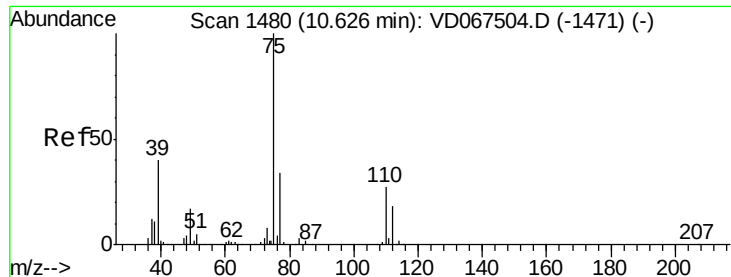
91 171.3 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





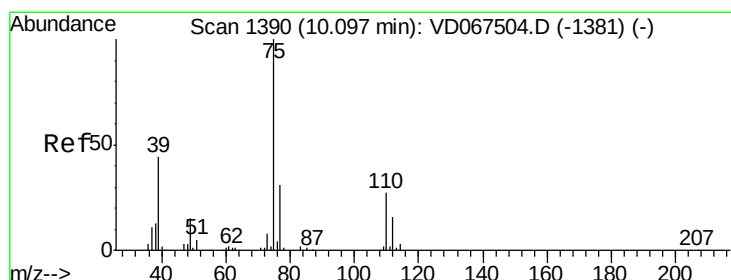
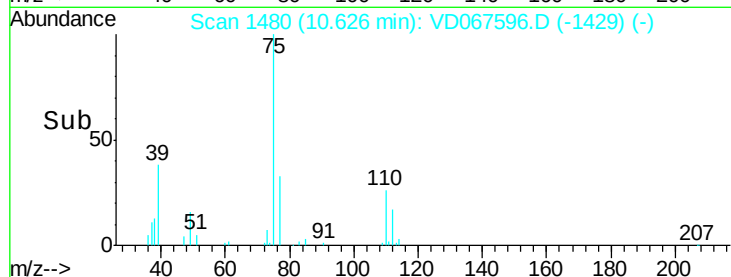
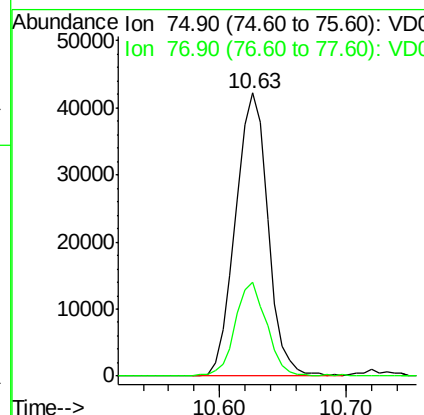
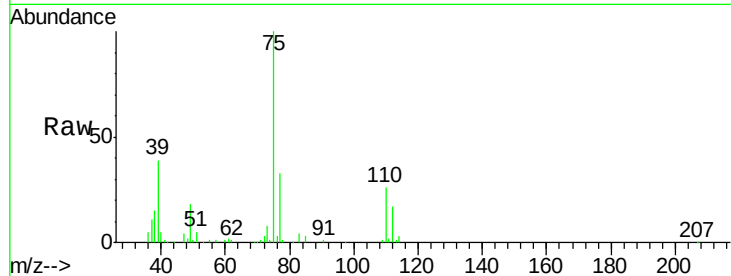
#53
 t-1,3-Dichloropropene
 Concen: 22.922 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD067596.D
 Acq: 11 Nov 2020 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Tot Ion: 75 Resp: 74624
 Ion Ratio Lower Upper
 75 100
 77 33.1 27.0 40.6

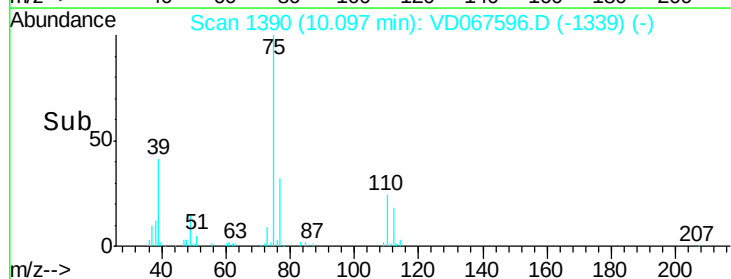
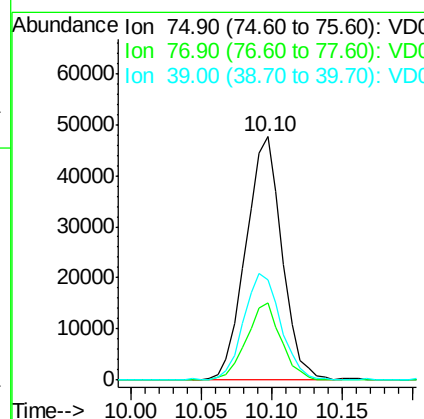
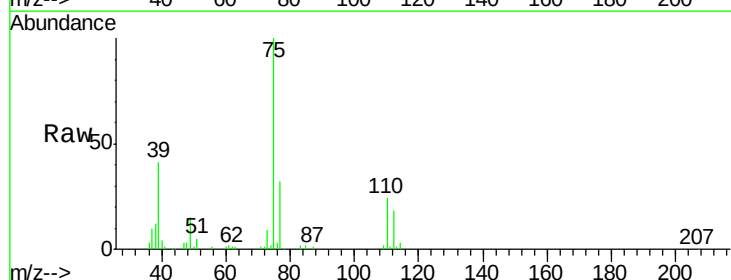
Manual Integrations
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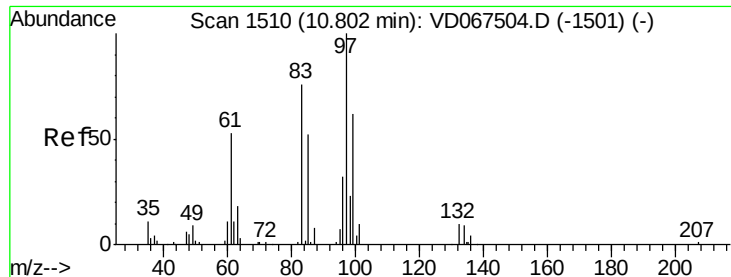
MMDadoda
 11/12/2020 1:11:42 PM



#54
 cis-1,3-Dichloropropene
 Concen: 22.147 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VD067596.D
 Acq: 11 Nov 2020 12:24

Tgt Ion: 75 Resp: 85664
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.4 36.6
 39 41.0 35.6 53.4





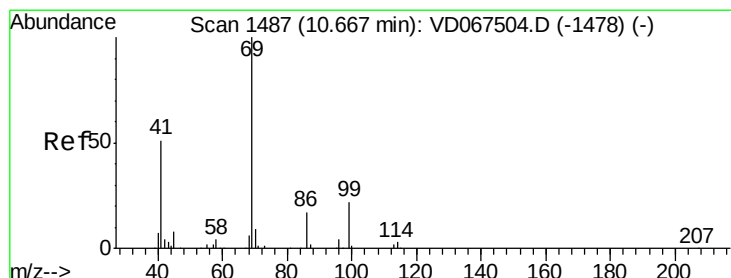
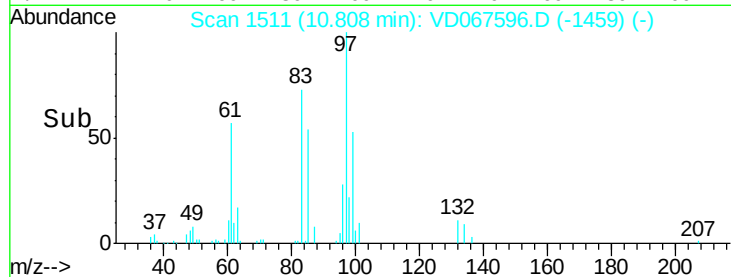
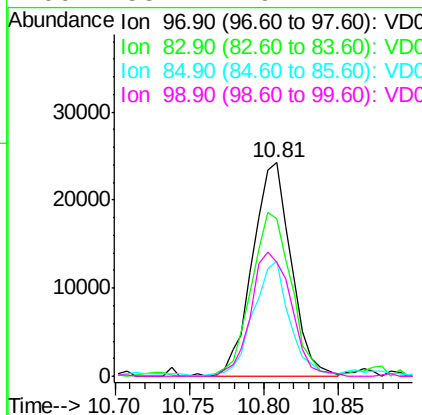
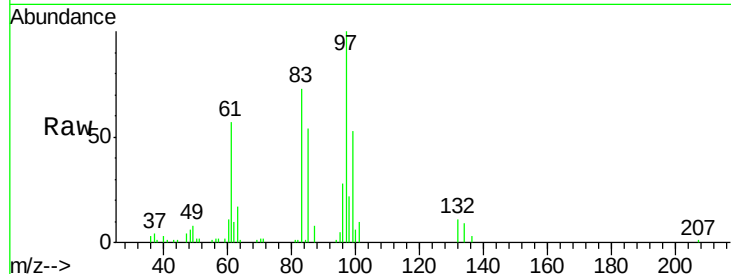
#55
 1,1,2-Trichloroethane
 Concen: 23.454 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067596.D
 Acq: 11 Nov 2020 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Tot Ion:	97	Resp:	43400
Ion	Ratio	Lower	Upper
97	100		
83	73.5	61.0	91.6
85	53.0	41.5	62.3
99	53.1	49.4	74.2

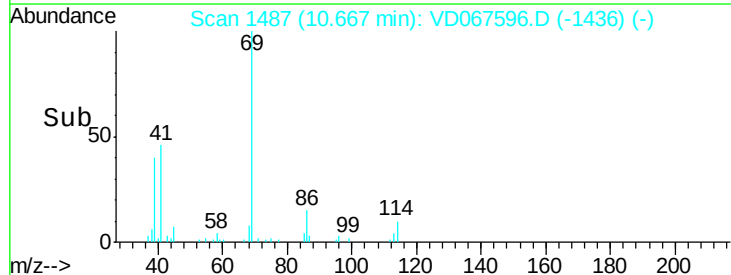
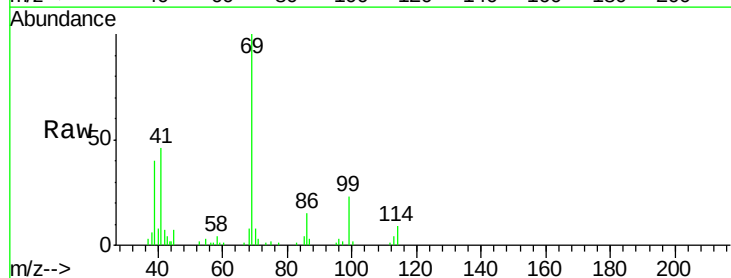
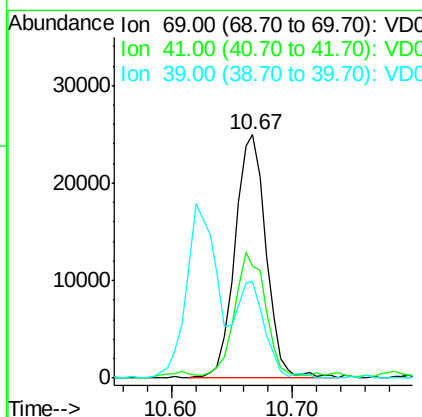
Manual Integrations
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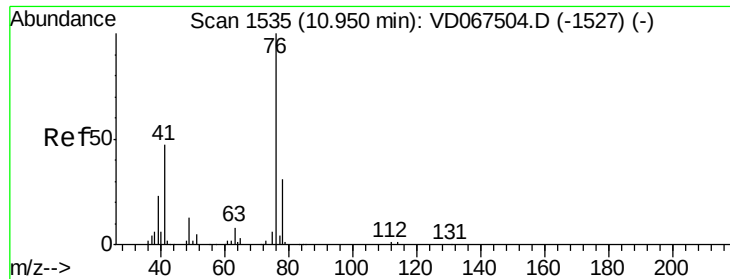
MMDadoda
 11/12/2020 1:11:42 PM



#56
 Ethyl methacrylate
 Concen: 23.494 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067596.D
 Acq: 11 Nov 2020 12:24

Tgt Ion:	69	Resp:	44894
Ion	Ratio	Lower	Upper
69	100		
41	50.2	45.4	68.0
39	33.8	27.4	41.0





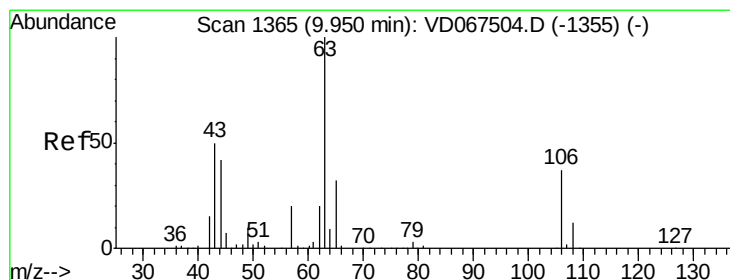
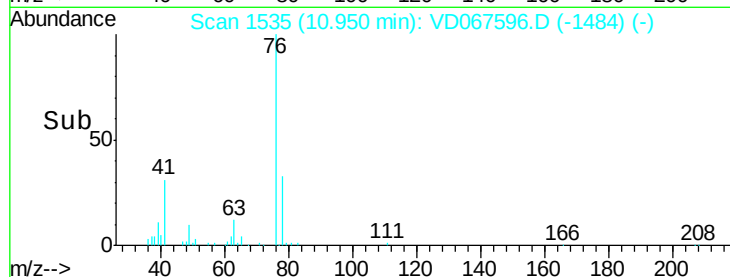
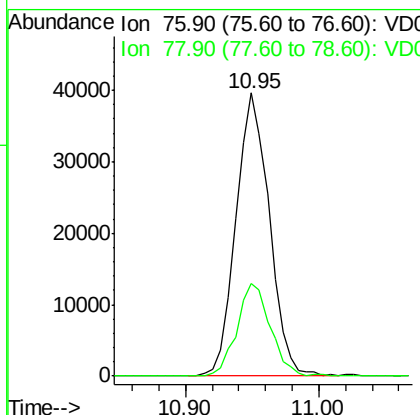
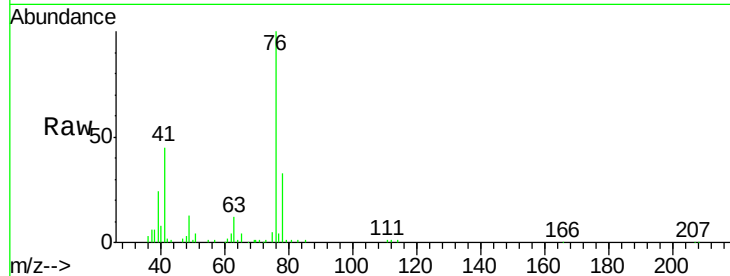
#57
 1,3-Dichloropropane
 Concen: 23.034 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067596.D
 Acq: 11 Nov 2020 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Tot Ion: 76 Resp: 68587
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.1 39.1

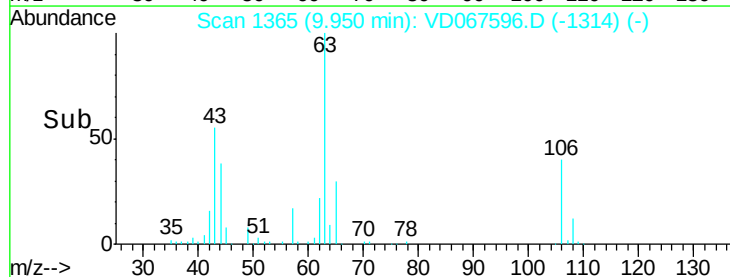
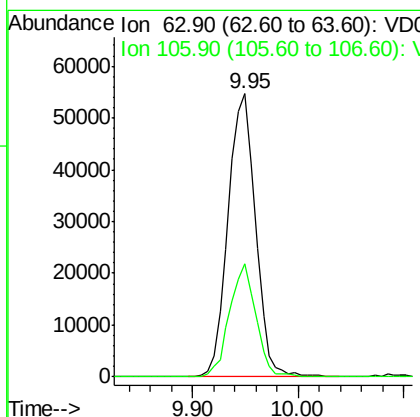
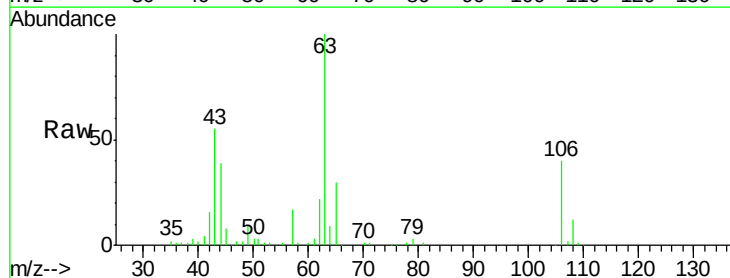
Manual Integrations
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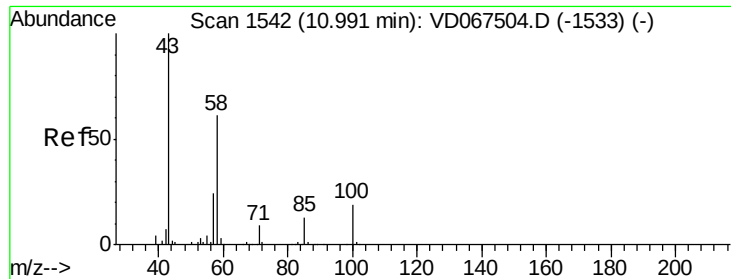
MMDadoda
 11/12/2020 1:11:42 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.352 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD067596.D
 Acq: 11 Nov 2020 12:24

Tgt Ion: 63 Resp: 98335
 Ion Ratio Lower Upper
 63 100
 106 38.3 29.2 43.8





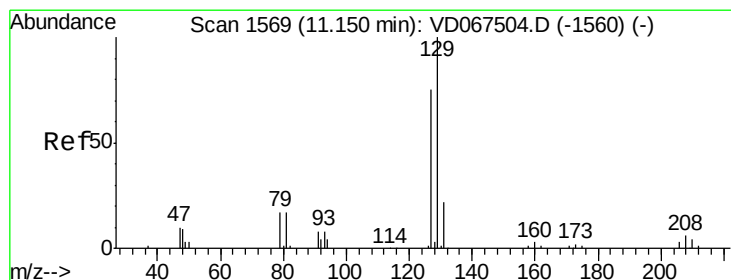
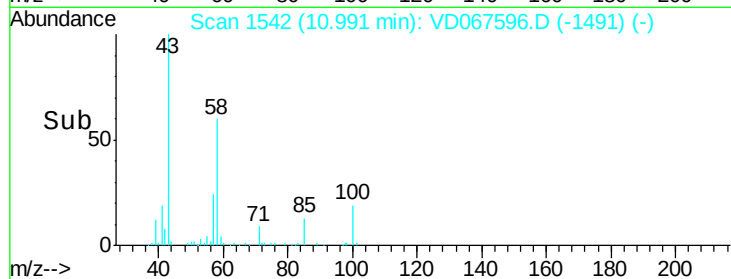
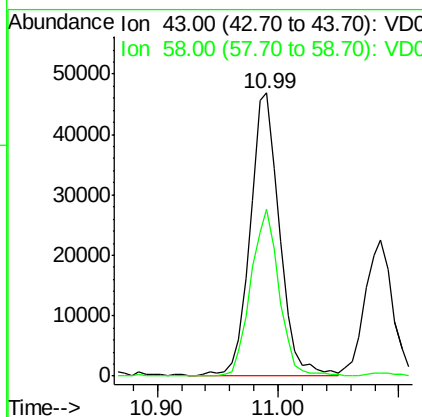
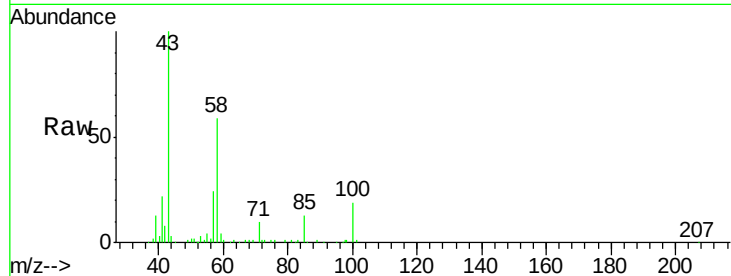
#59
2-Hexanone
Concen: 123.757 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion: 43 Resp: 79803
Ion Ratio Lower Upper
43 100
58 56.9 30.3 90.9

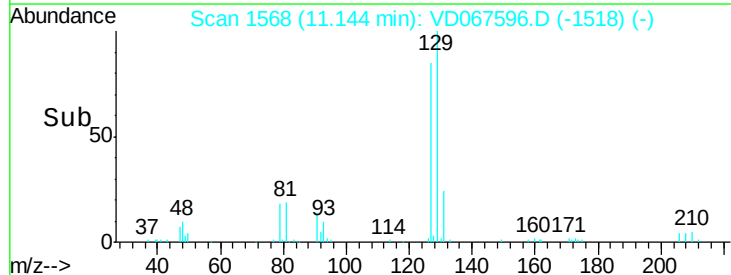
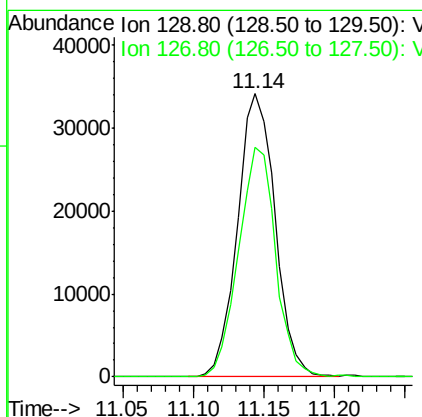
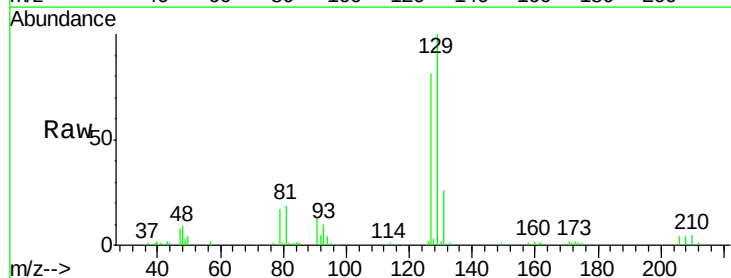
Manual Integrations
APPROVED

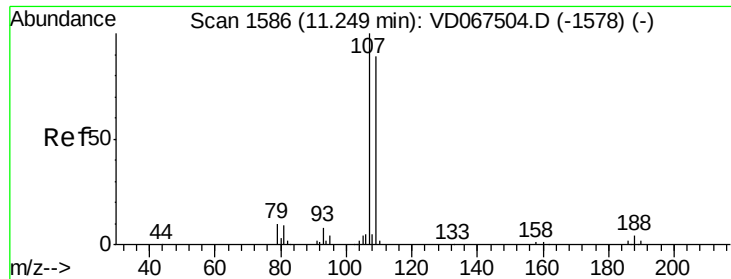
MMDadoda
11/12/2020 1:11:42 PM



#60
Dibromochloromethane
Concen: 23.286 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Tgt Ion: 129 Resp: 63742
Ion Ratio Lower Upper
129 100
127 80.0 38.0 114.1





#61

1,2-Dibromoethane

Concen: 23.225 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD067596.D

Acq: 11 Nov 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion:107 Resp: 43133

Ion Ratio Lower Upper

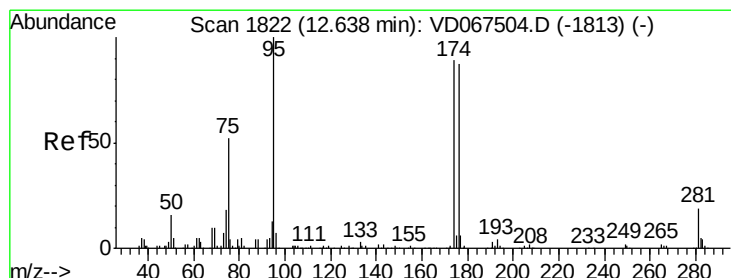
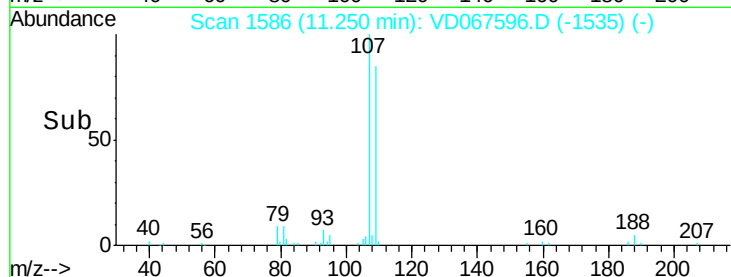
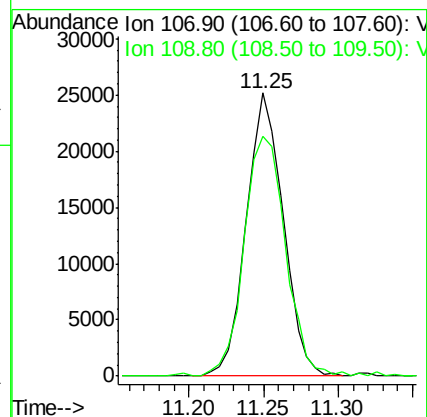
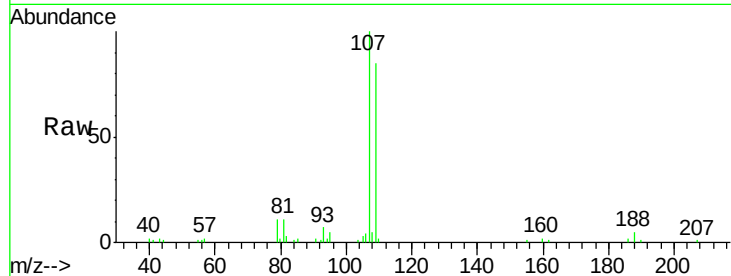
107 100

109 95.0 74.6 111.8

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#62

4-Bromofluorobenzene

Concen: 51.712 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067596.D

Acq: 11 Nov 2020 12:24

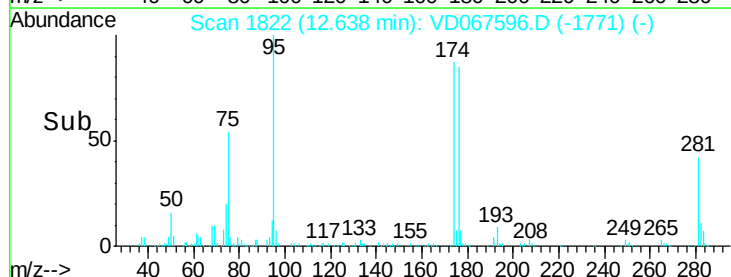
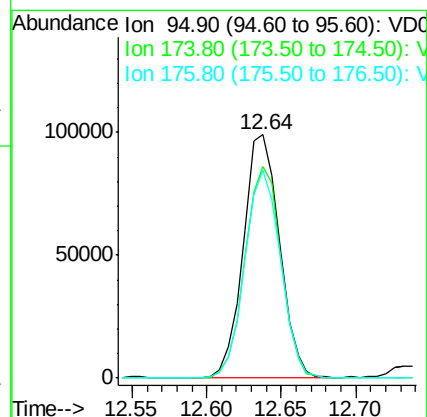
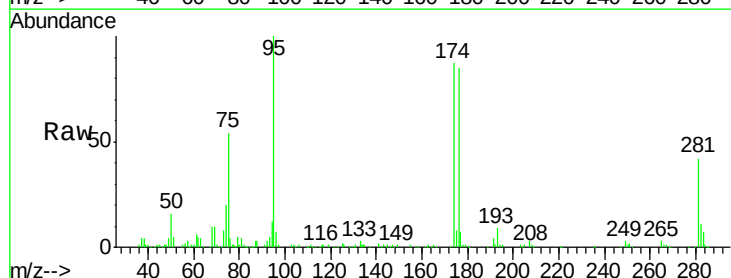
Tgt Ion: 95 Resp: 165858

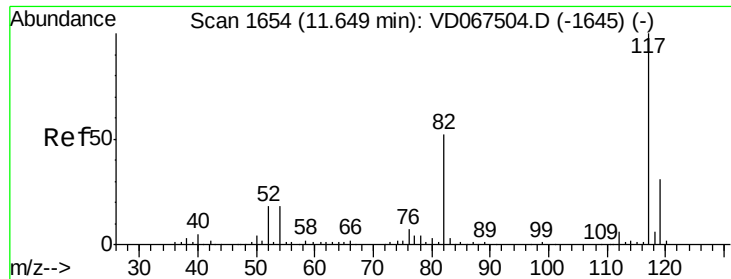
Ion Ratio Lower Upper

95 100

174 86.6 0.0 177.8

176 84.6 0.0 172.0





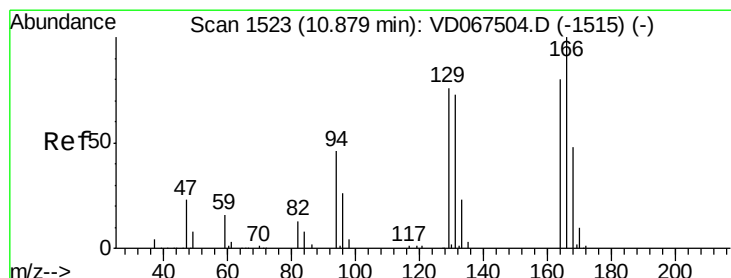
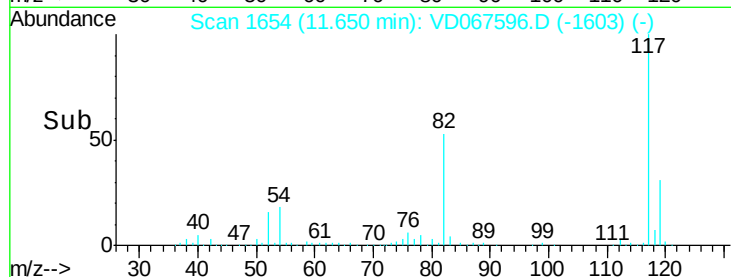
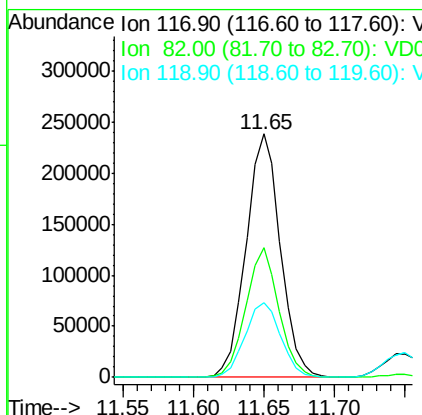
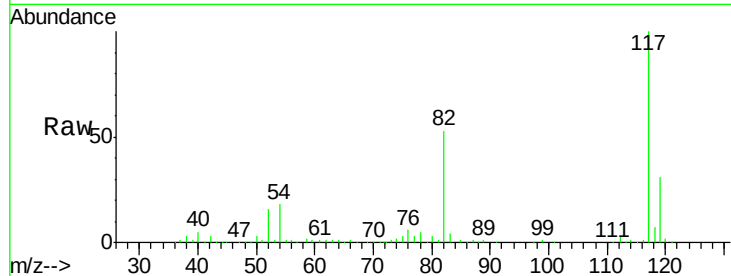
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	41.6	62.4
119	30.9	25.1	37.7

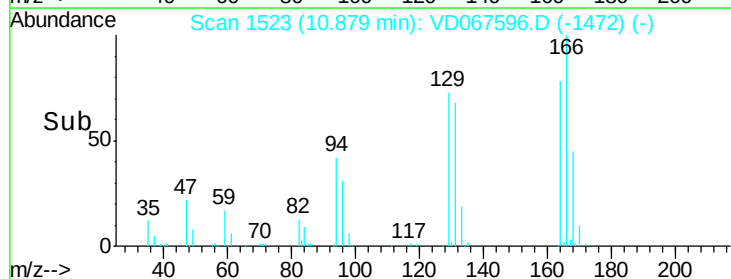
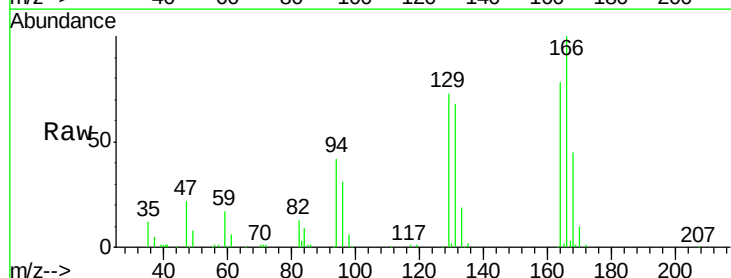
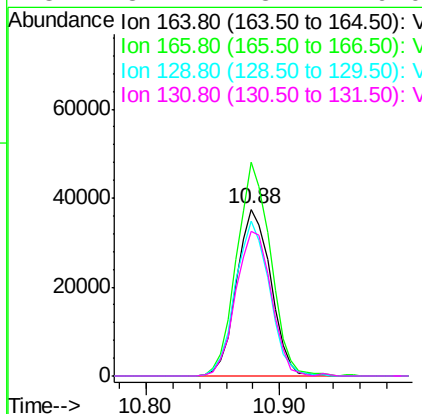
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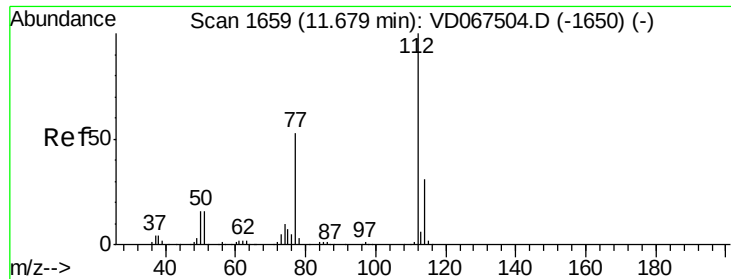
MMDadoda
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#64
Tetrachloroethene
Concen: 22.087 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	99.9	149.9
129	93.2	75.5	113.3
131	87.1	73.4	110.0





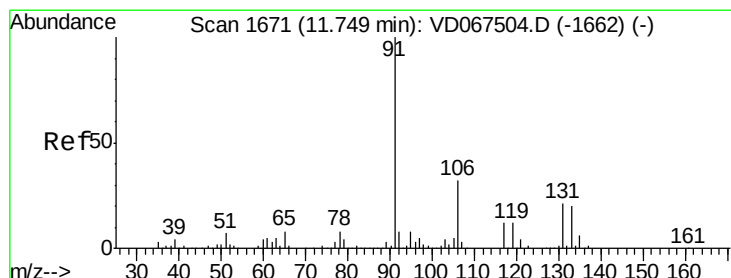
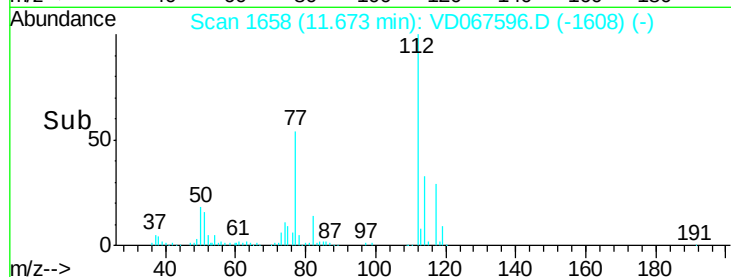
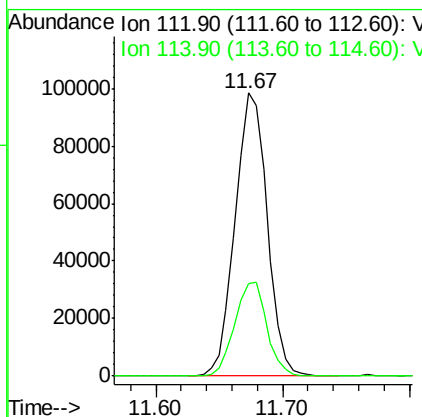
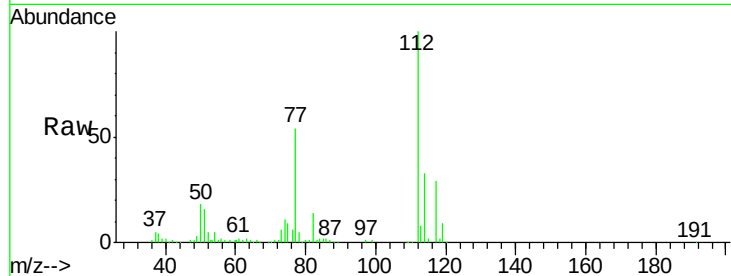
#65
Chlorobenzene
Concen: 22.111 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	24.9	37.3

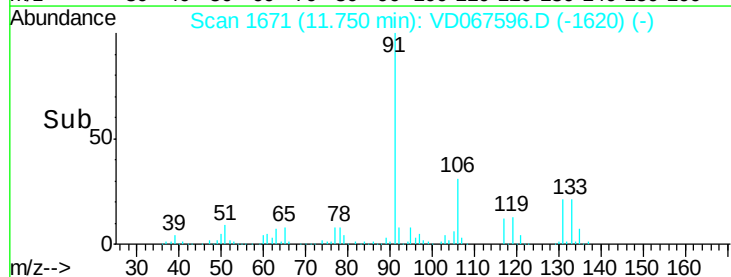
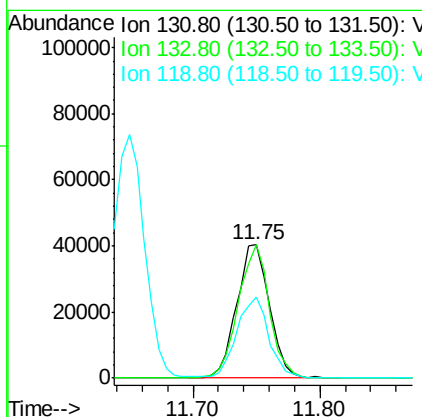
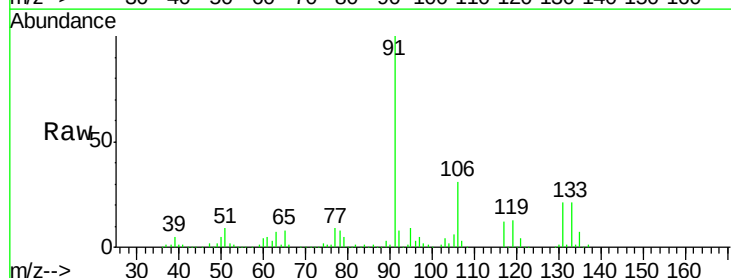
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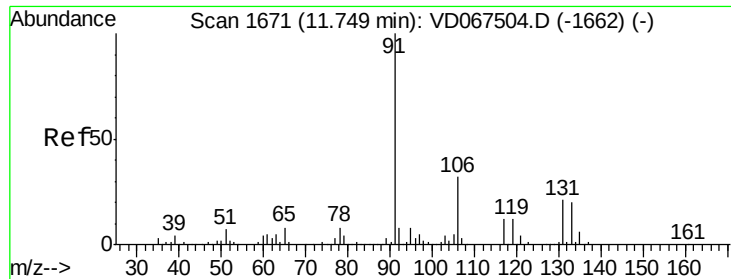
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.403 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.0	144.0
119	59.4	30.1	90.5





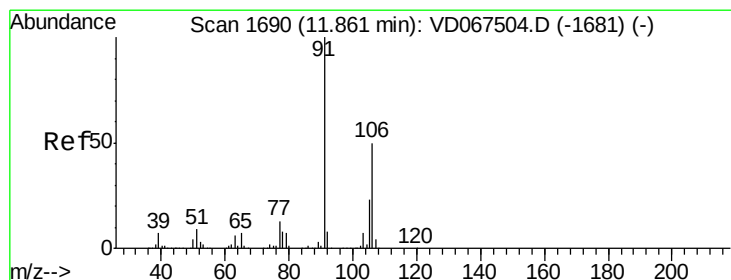
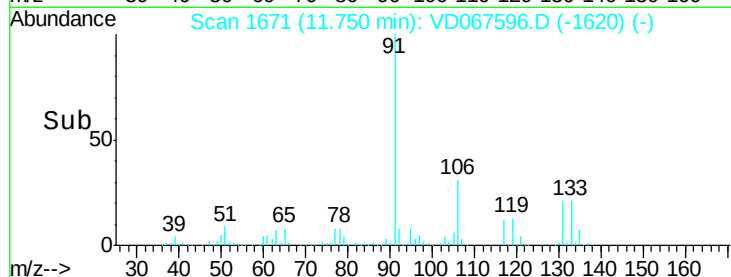
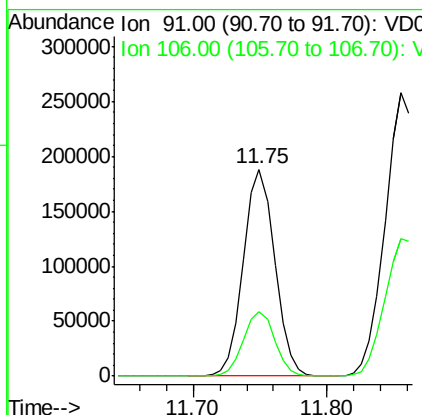
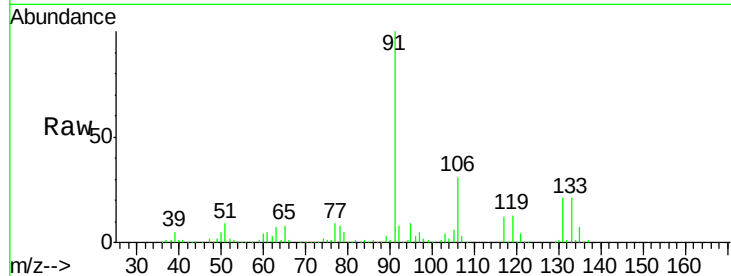
#67
Ethyl Benzene
Concen: 22.889 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion: 91 Resp: 306607
Ion Ratio Lower Upper
91 100
106 31.3 25.7 38.5

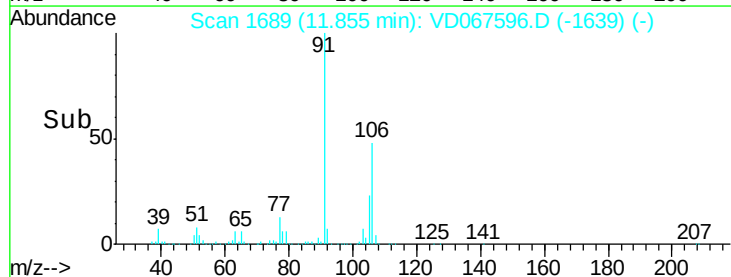
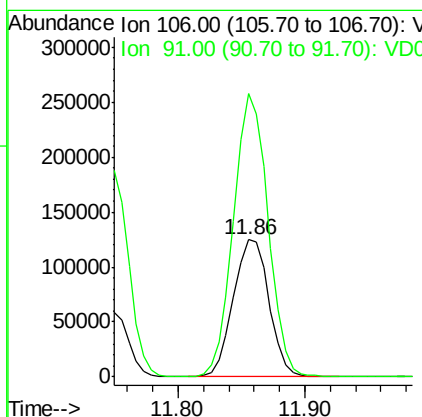
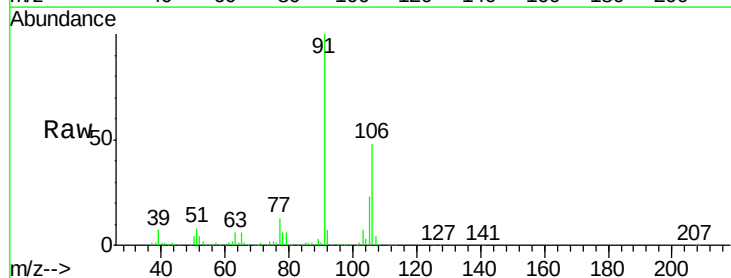
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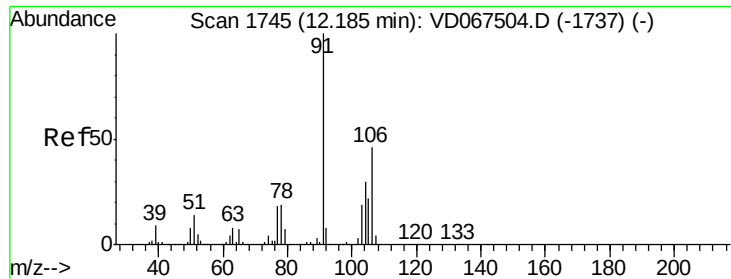
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#68
m/p-Xylenes
Concen: 46.831 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Tgt Ion: 106 Resp: 244054
Ion Ratio Lower Upper
106 100
91 199.3 162.6 244.0





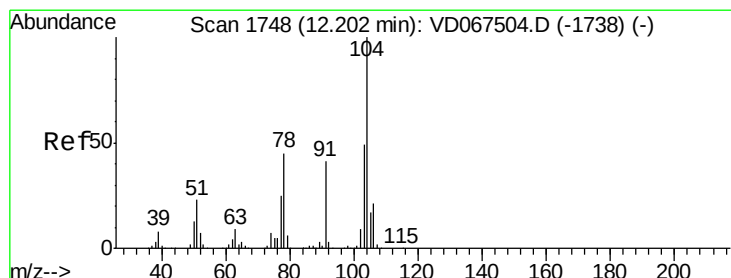
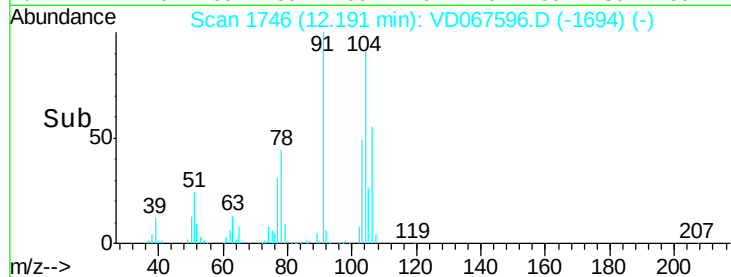
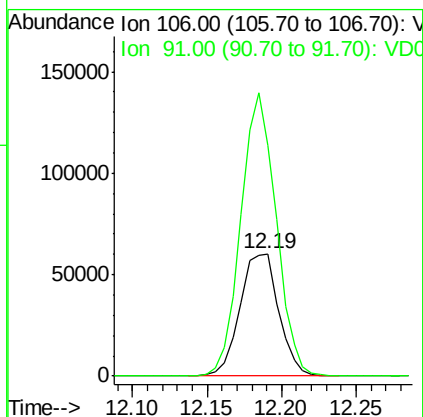
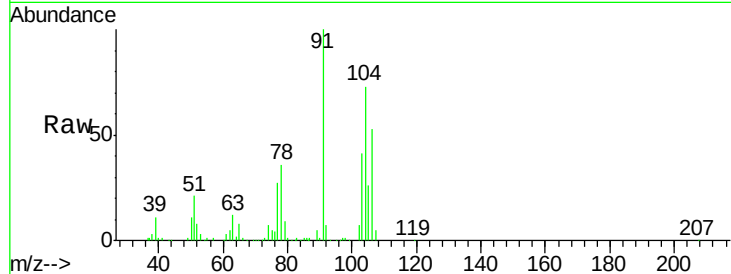
#69
o-Xylene
Concen: 23.281 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion:106 Resp: 108324
Ion Ratio Lower Upper
106 100
91 211.0 107.1 321.1

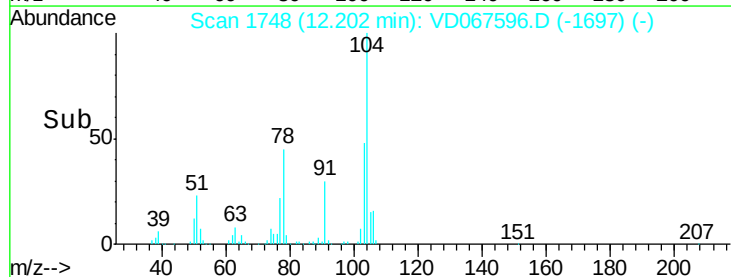
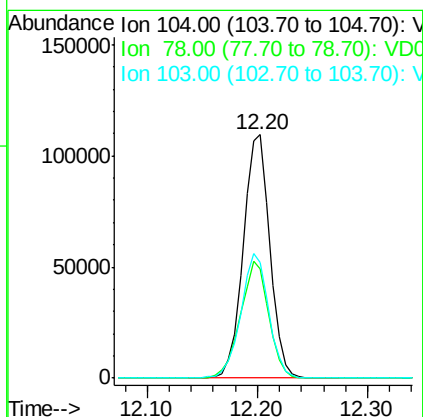
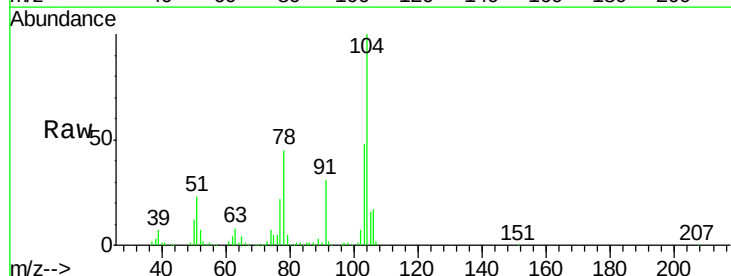
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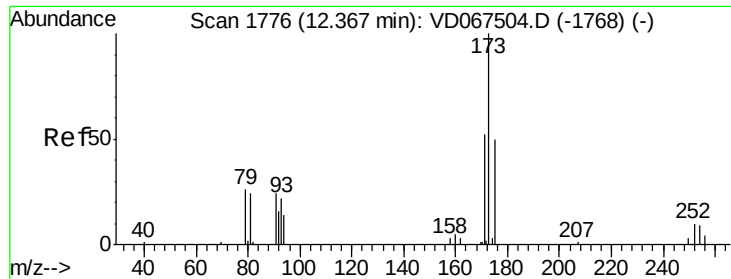
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#70
Styrene
Concen: 22.870 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Tgt Ion:104 Resp: 185427
Ion Ratio Lower Upper
104 100
78 51.1 39.8 59.8
103 53.6 43.9 65.9





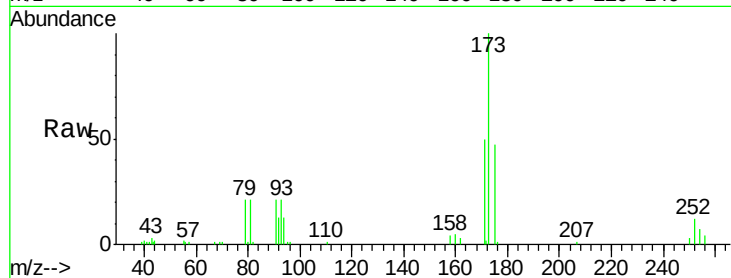
#71
Bromoform
Concen: 24.220 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

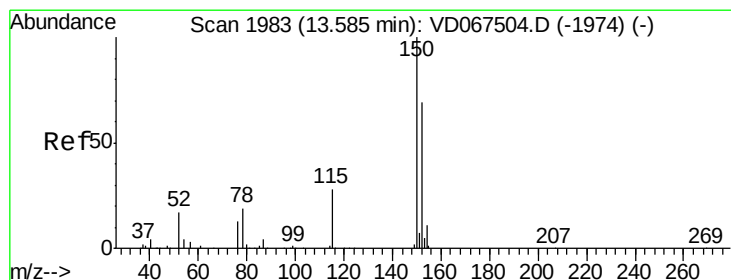
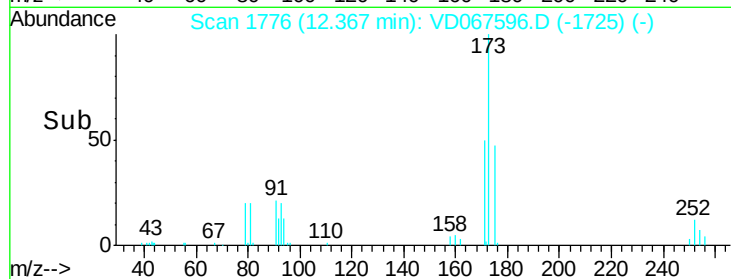
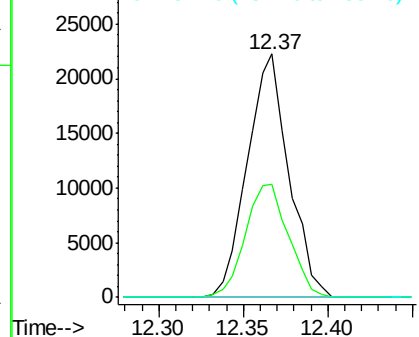
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.1	72.2
254	0.0	0.0	0.0

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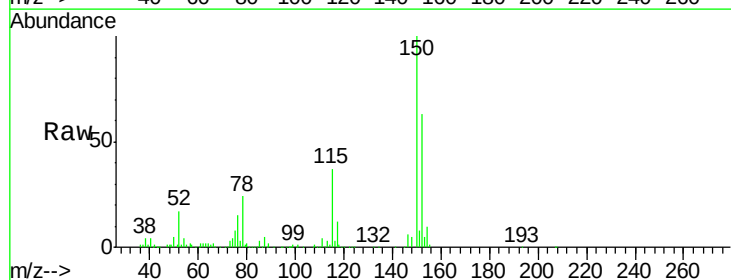


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

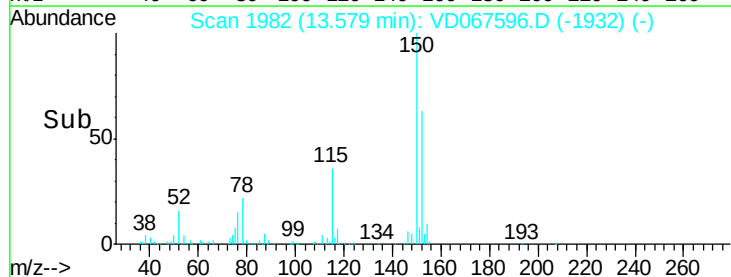
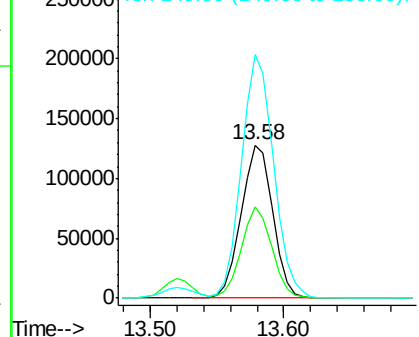


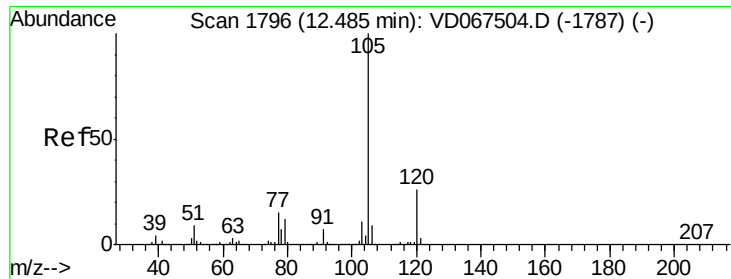
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.3	88.0
150	163.1	0.0	338.2



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





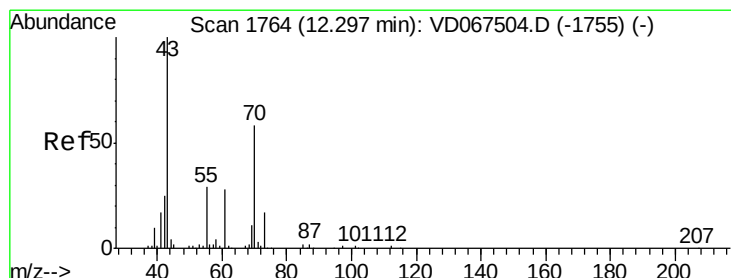
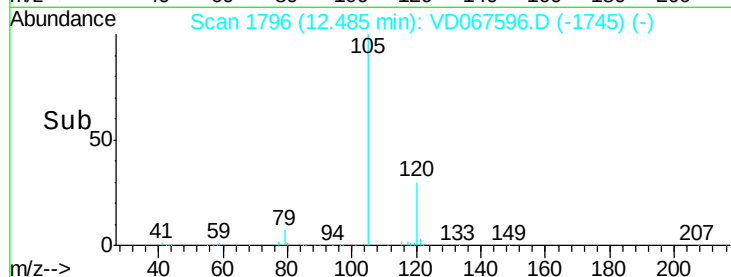
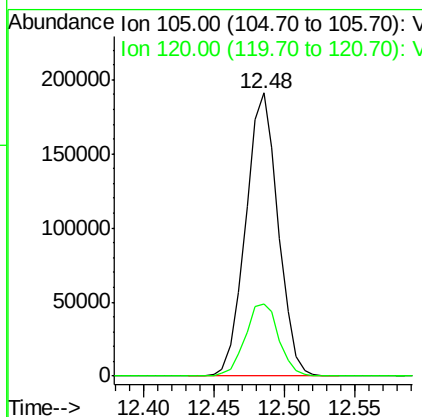
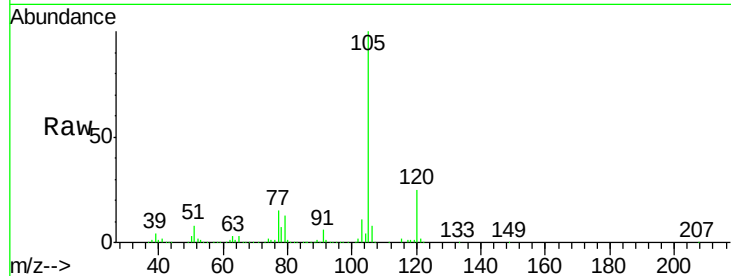
#73
Isopropylbenzene
Concen: 22.872 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.6

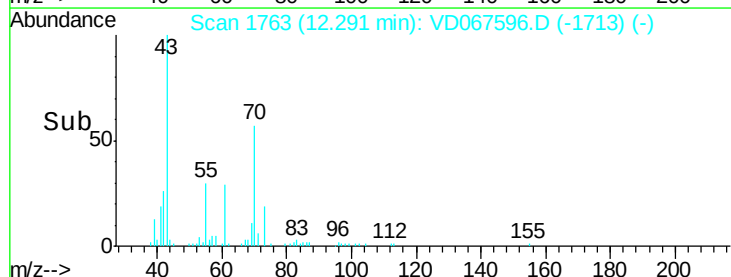
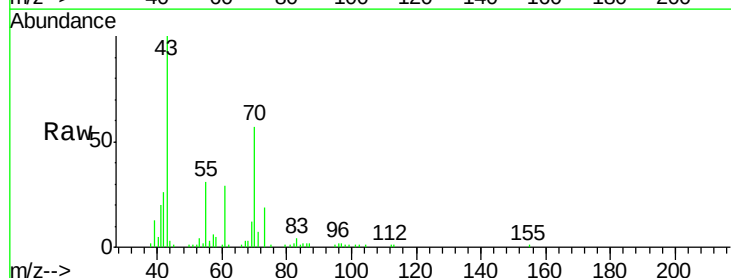
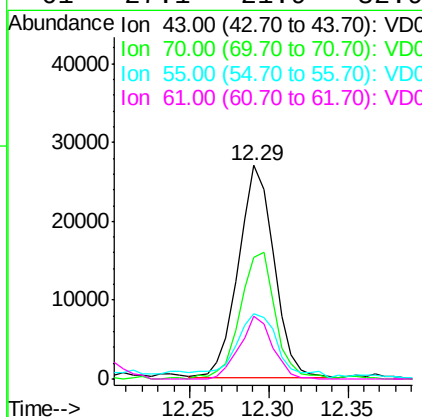
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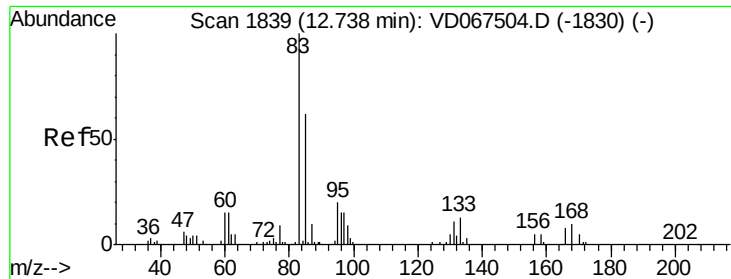
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#74
N-ethyl acetate
Concen: 23.859 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Tgt Ion	Ratio	Lower	Upper
43	100		
70	59.4	42.6	64.0
55	35.8	23.7	35.5#
61	27.1	21.9	32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 23.314 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067596.D

Acq: 11 Nov 2020 12:24

Instrument :

MSVOA_D

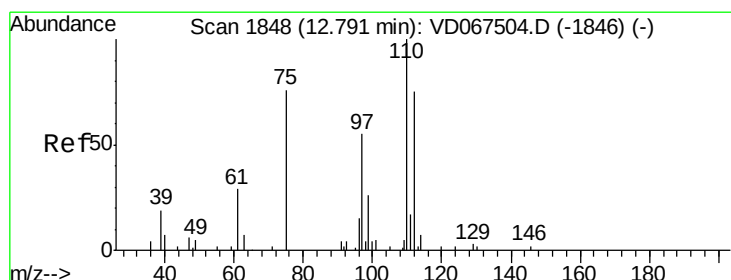
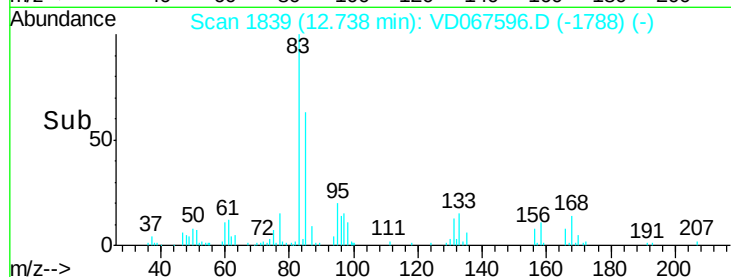
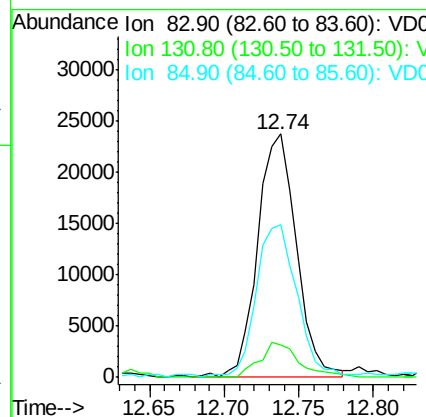
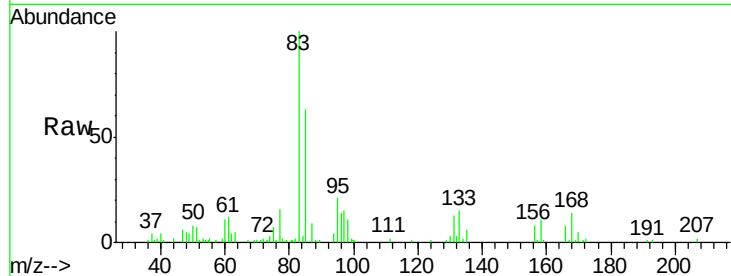
ClientSampleId :

VD1111SBS01

Tot Ion:	83	Resp:	42762
Ion	Ratio	Lower	Upper
83	100		
131	14.6	7.1	21.3
85	66.4	32.9	98.7

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#76

1,2,3-Trichloropropane

Concen: 20.481 ug/l m

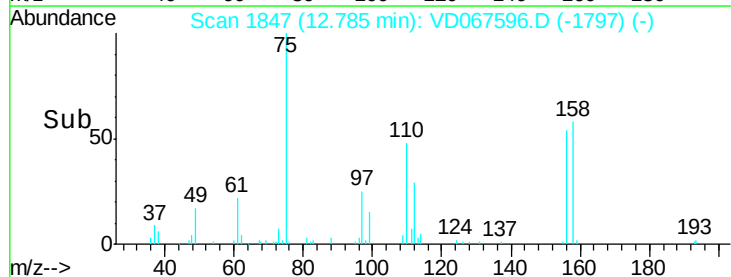
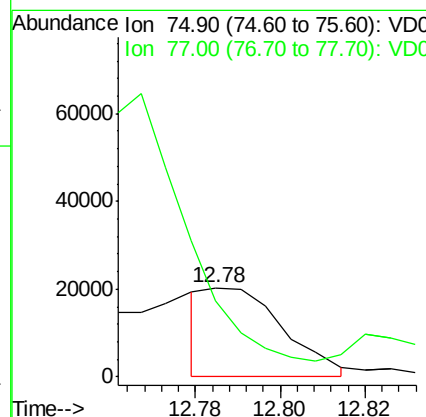
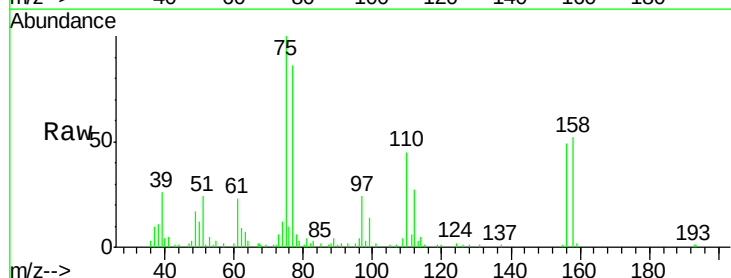
RT: 12.78 min Scan# 1847

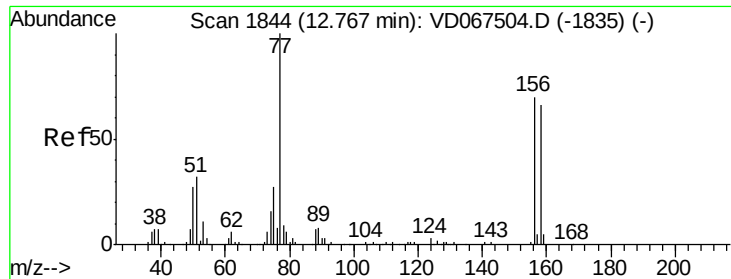
Delta R.T. -0.01 min

Lab File: VD067596.D

Acq: 11 Nov 2020 12:24

Tgt Ion:	75	Resp:	25715
Ion	Ratio	Lower	Upper
75	100		
77	451.0	0.0	0.0#





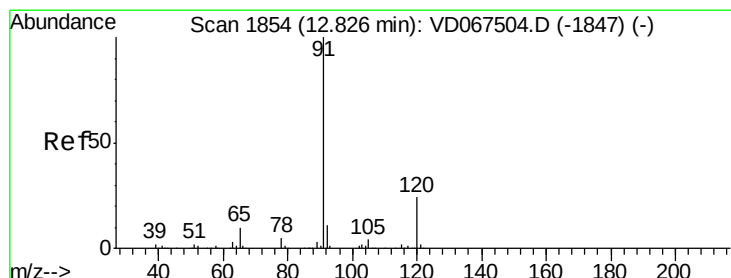
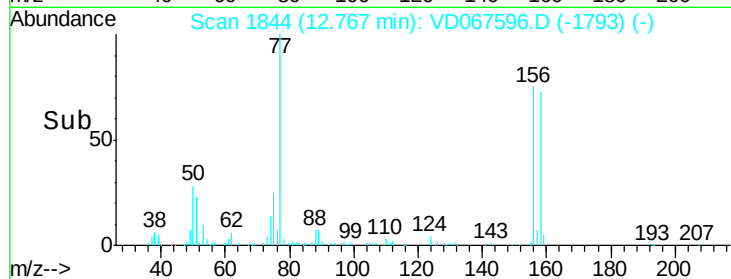
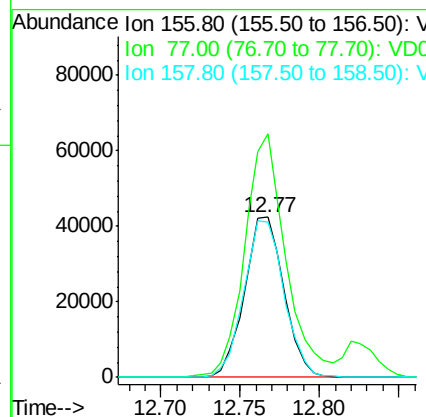
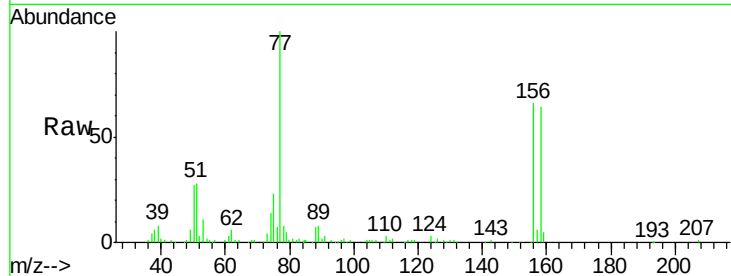
#77
Bromobenzene
Concen: 22.256 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	157.8	77.8	233.5	
158	99.7	47.9	143.7	

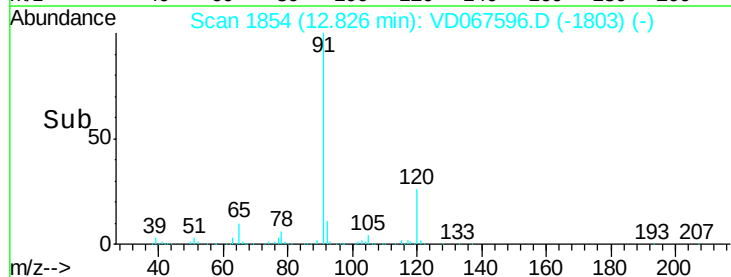
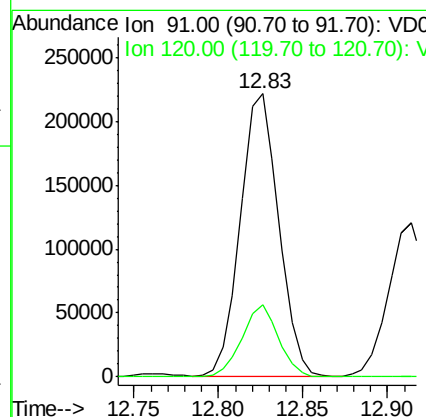
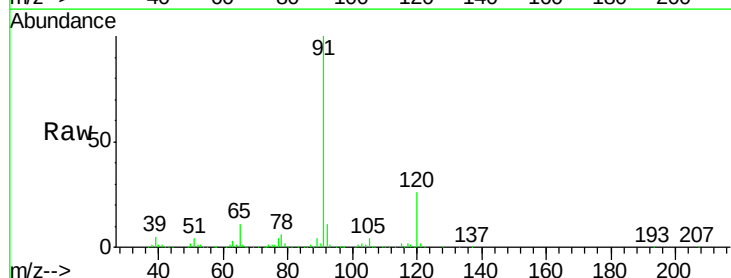
Manual Integrations
APPROVED

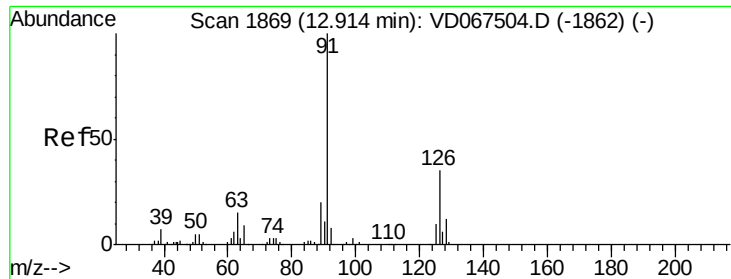
MMDadoda
11/12/2020 1:11:42 PM



#78
n-propylbenzene
Concen: 22.686 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.5	12.2	36.4	





#79

2-Chlorotoluene

Concen: 22.506 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067596.D

Acq: 11 Nov 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 91 Resp: 196698

Ion Ratio Lower Upper

91 100

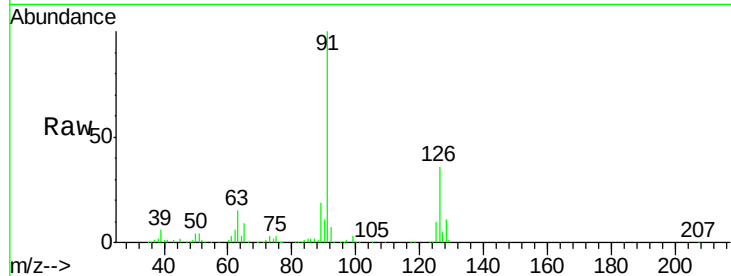
126 37.2 17.8 53.4

Manual Integrations

APPROVED

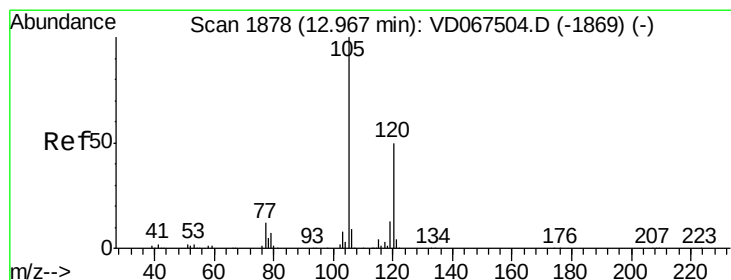
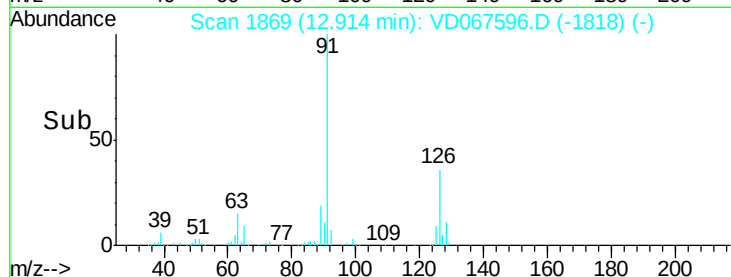
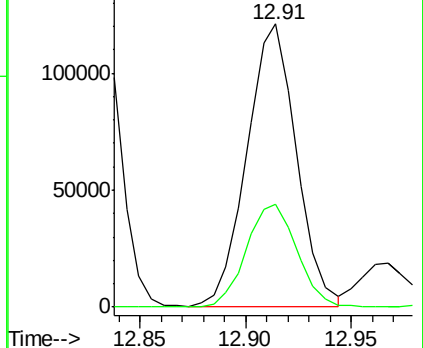
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VD067504.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD067504.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 23.395 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067596.D

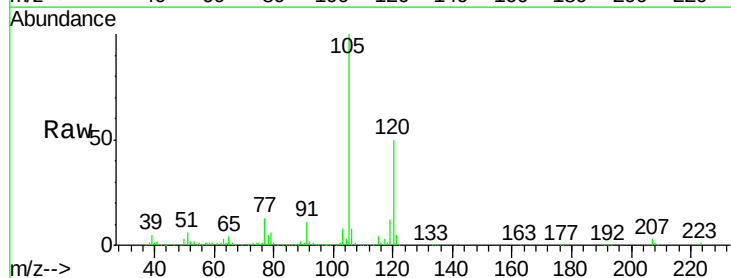
Acq: 11 Nov 2020 12:24

Tgt Ion: 105 Resp: 268812

Ion Ratio Lower Upper

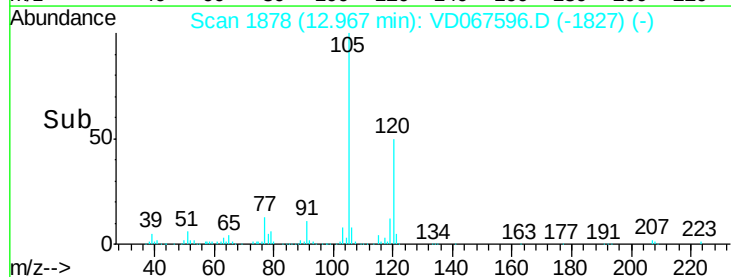
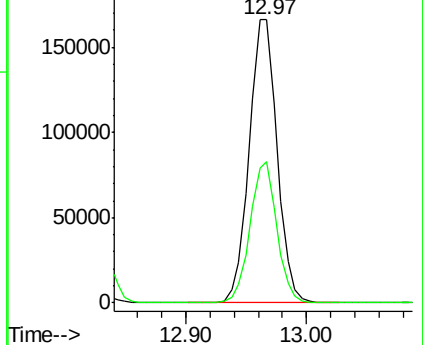
105 100

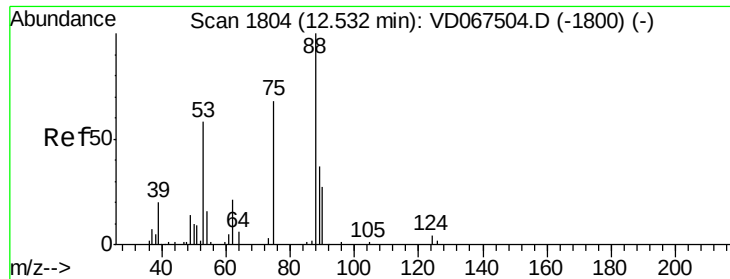
120 47.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067504.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD067504.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 22.003 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067596.D

Acq: 11 Nov 2020 12:24

Instrument :

MSVOA_D

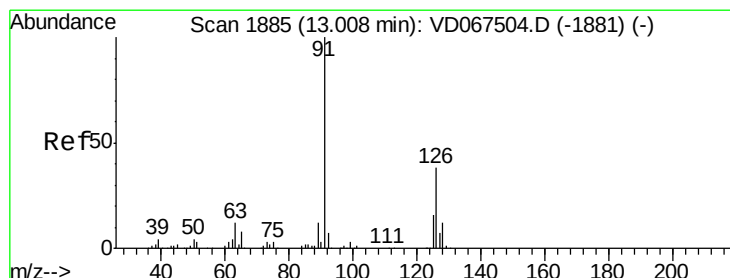
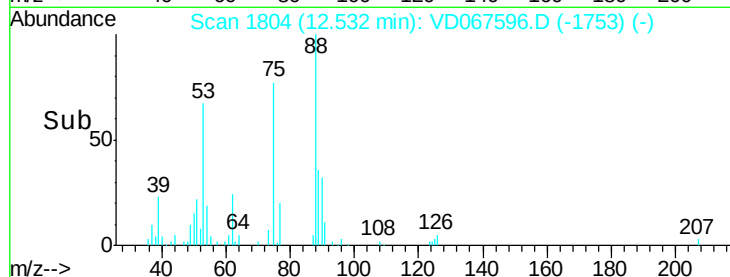
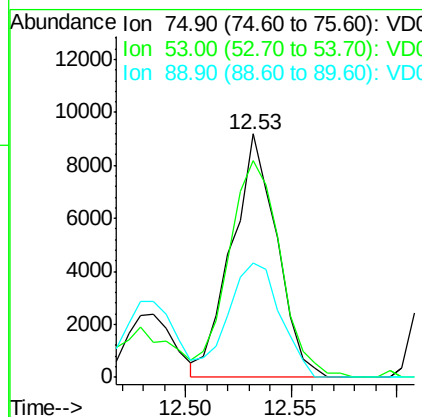
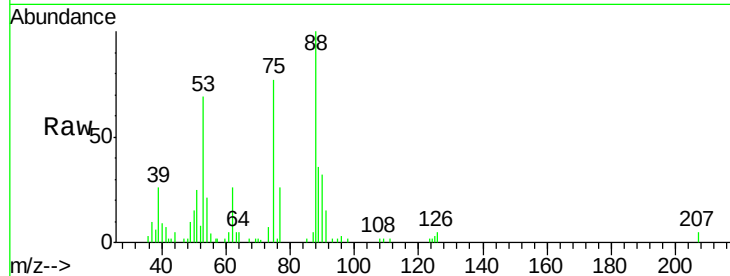
ClientSampleId :

VD1111SBS01

Tot Ion:	75	Resp:	13607
Ion	Ratio	Lower	Upper
75	100		
53	102.5	75.9	113.9
89	54.7	44.6	67.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.511 ug/l

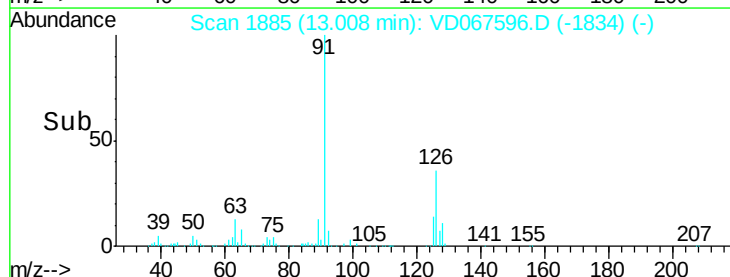
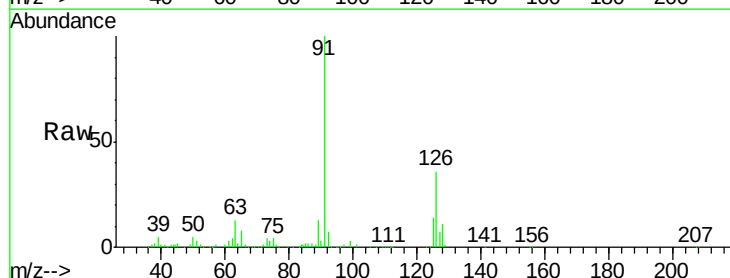
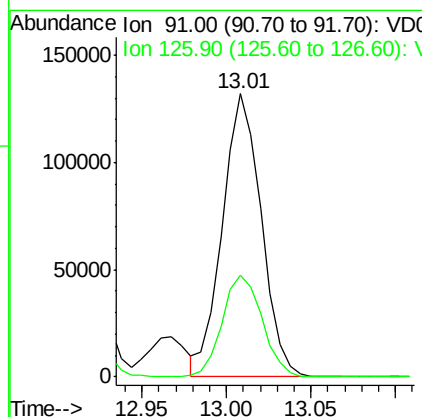
RT: 13.01 min Scan# 1885

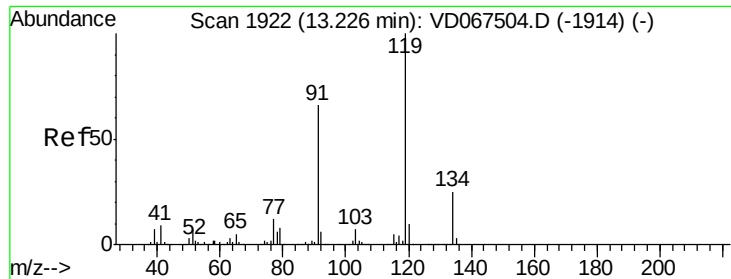
Delta R.T. 0.00 min

Lab File: VD067596.D

Acq: 11 Nov 2020 12:24

Tgt Ion:	91	Resp:	211005
Ion	Ratio	Lower	Upper
91	100		
126	36.7	17.9	53.7





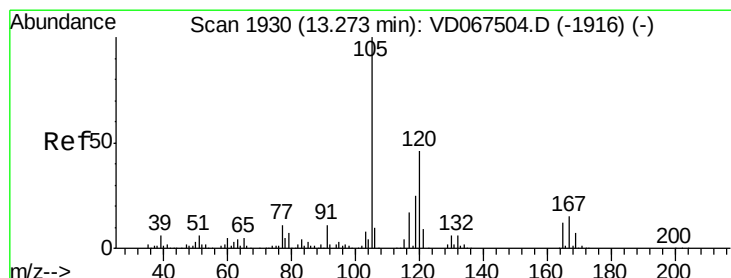
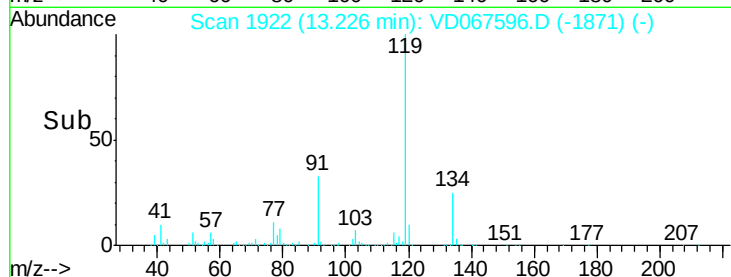
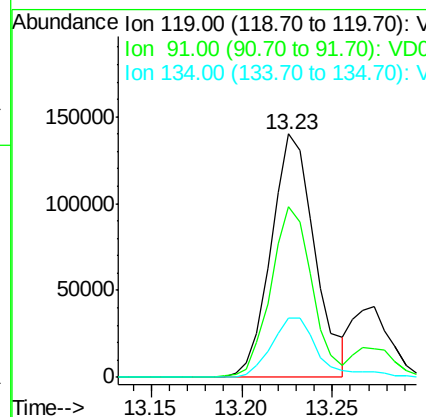
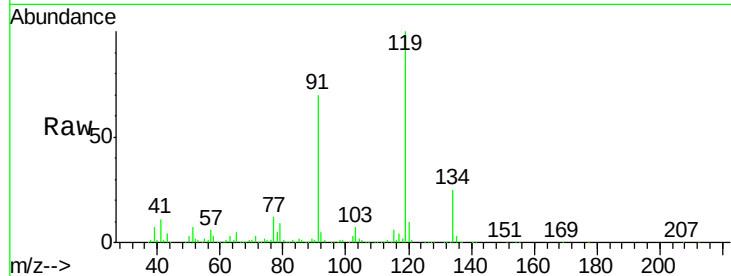
#83
tert-Butylbenzene
Concen: 24.192 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	235584		
91	66.0	32.7	98.1	
134	26.7	13.4	40.2	

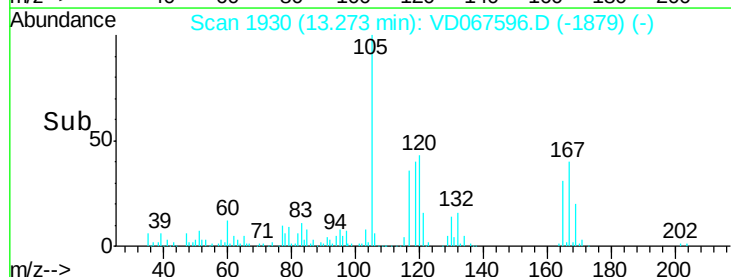
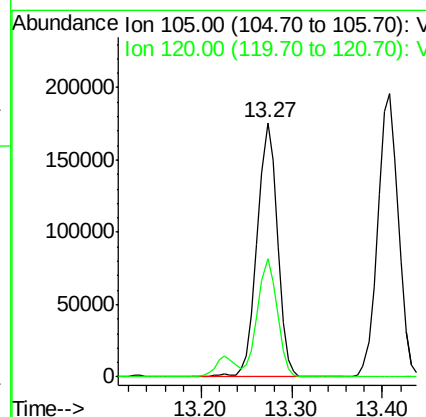
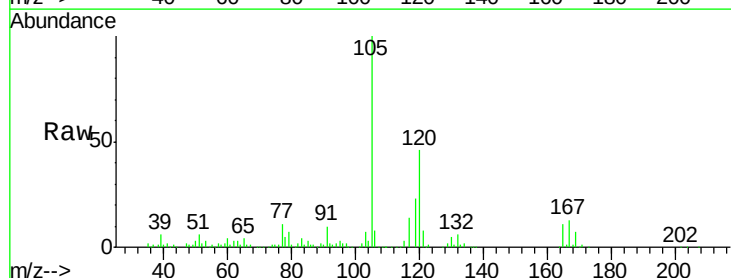
Manual Integrations
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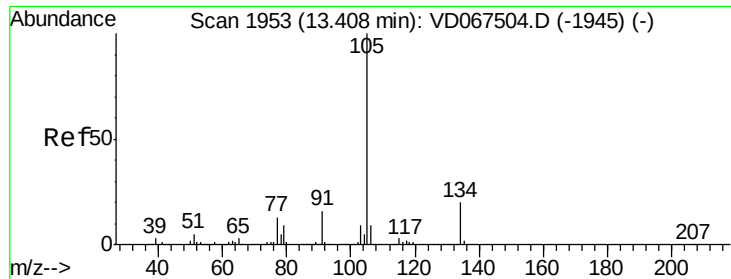
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 23.908 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	273456		
120	45.0	22.1	66.1	





#85

sec-Butylbenzene

Concen: 23.483 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067596.D

Acq: 11 Nov 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion:105 Resp: 308704

Ion Ratio Lower Upper

105 100

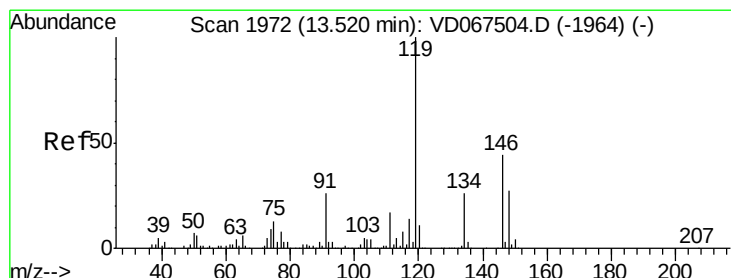
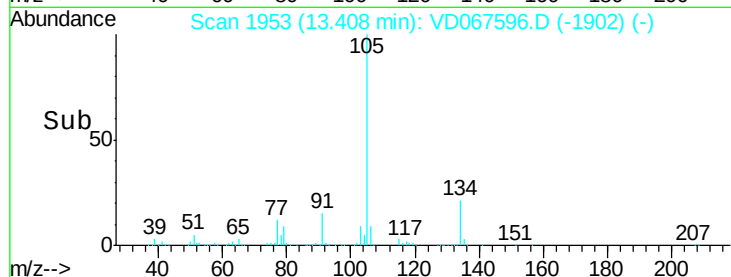
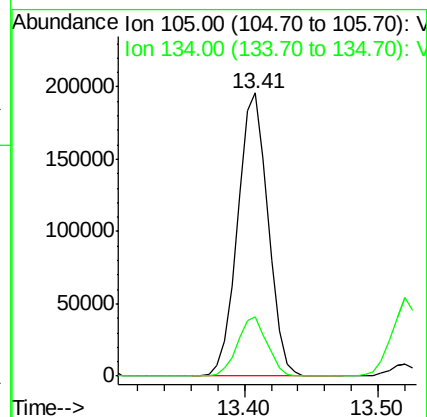
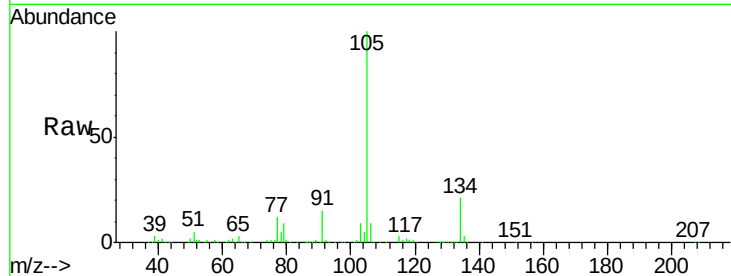
134 20.4 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 23.342 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067596.D

Acq: 11 Nov 2020 12:24

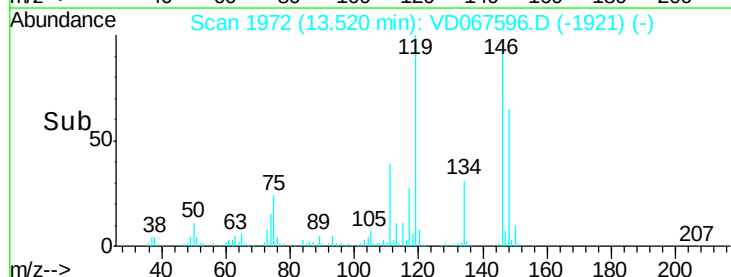
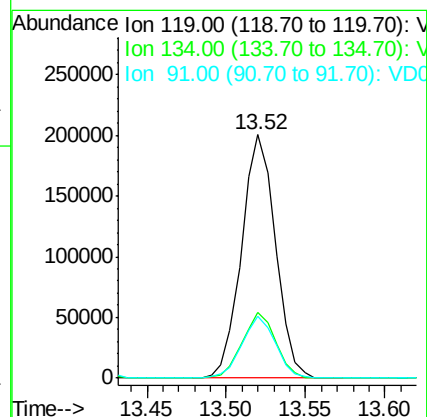
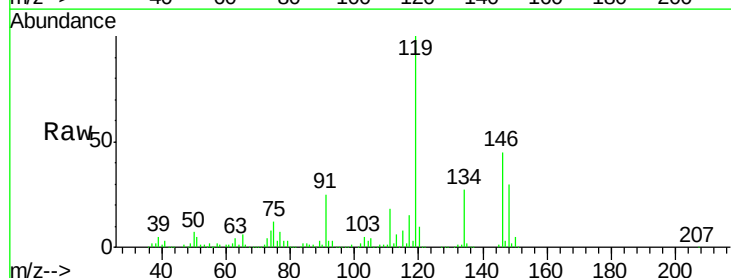
Tgt Ion:119 Resp: 296319

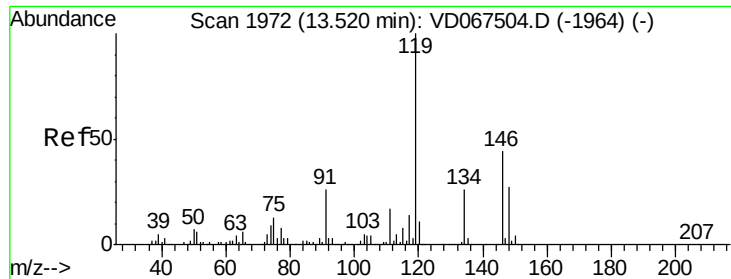
Ion Ratio Lower Upper

119 100

134 26.8 13.1 39.3

91 25.1 12.2 36.4





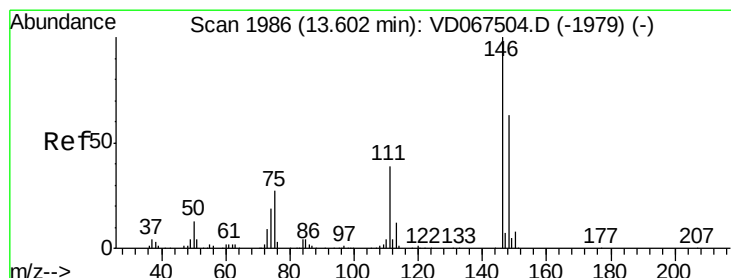
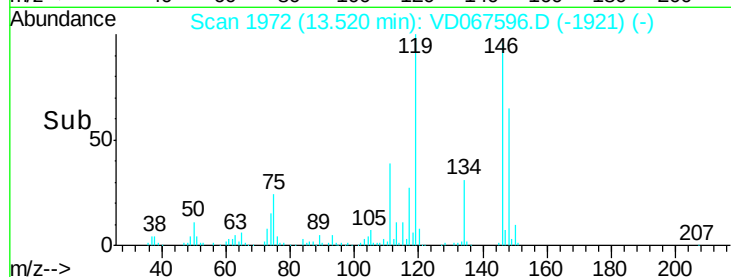
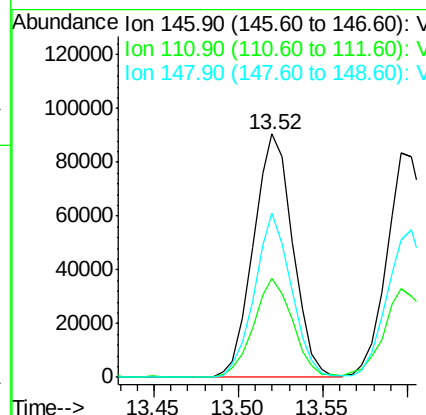
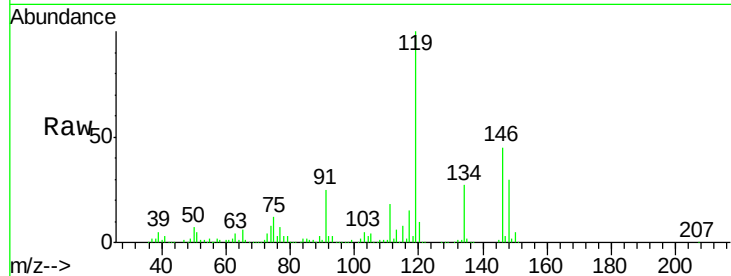
#87
 1,3-Dichlorobenzene
 Concen: 23.299 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067596.D
 Acq: 11 Nov 2020 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	60.8
148	63.1	31.9	95.9

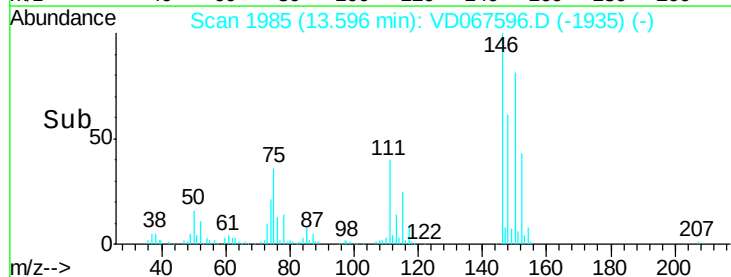
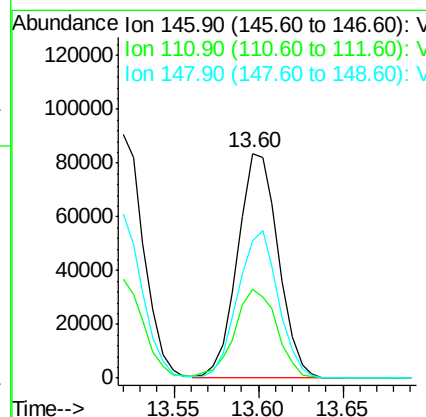
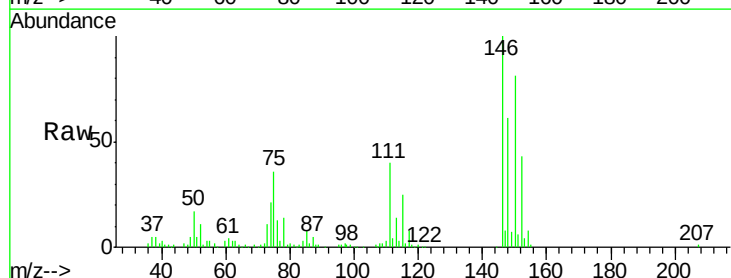
Manual Integrations
 APPROVED

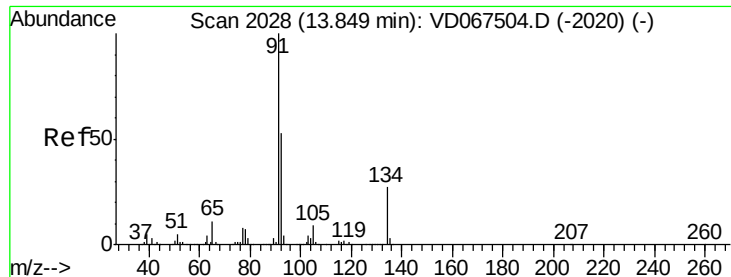
MMDadoda
 11/12/2020 1:11:42 PM



#88
 1,4-Dichlorobenzene
 Concen: 22.050 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD067596.D
 Acq: 11 Nov 2020 12:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.6	58.7
148	65.0	31.8	95.4





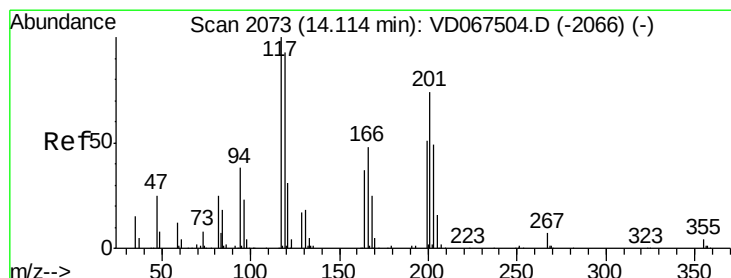
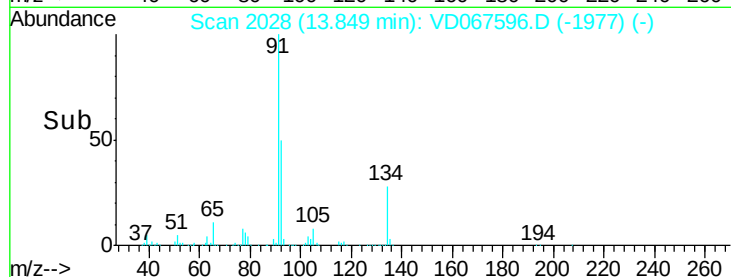
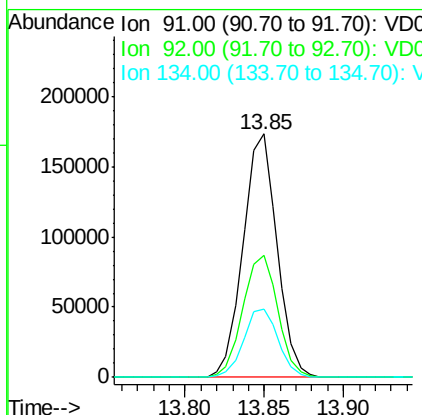
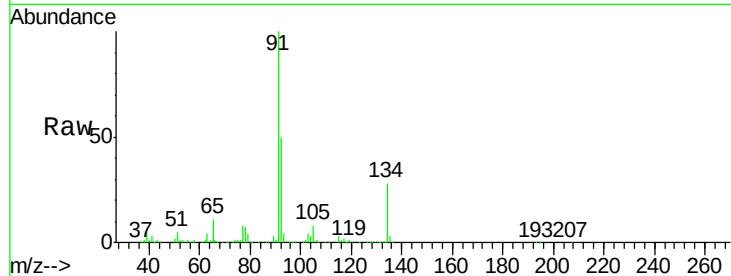
#89
n-Butylbenzene
Concen: 23.490 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.6	79.8
134	28.7	14.1	42.2

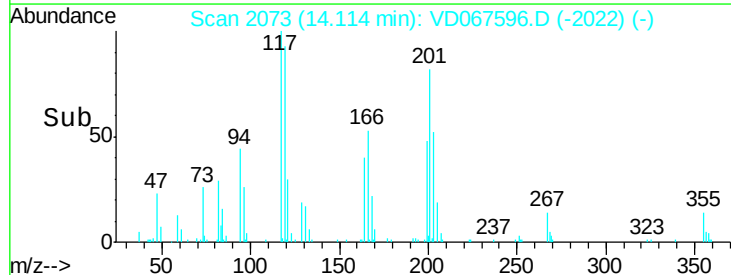
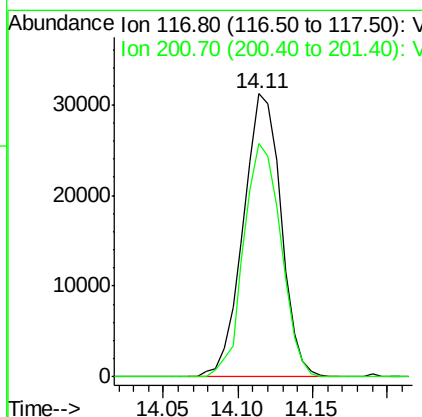
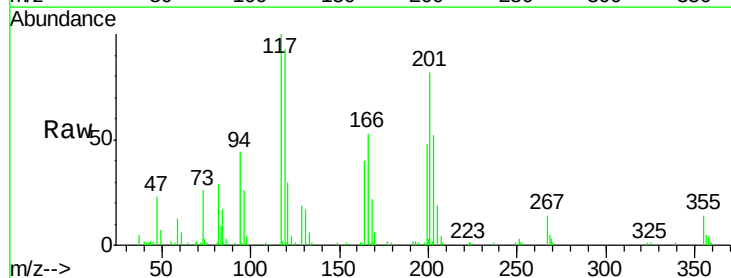
Manual Integrations
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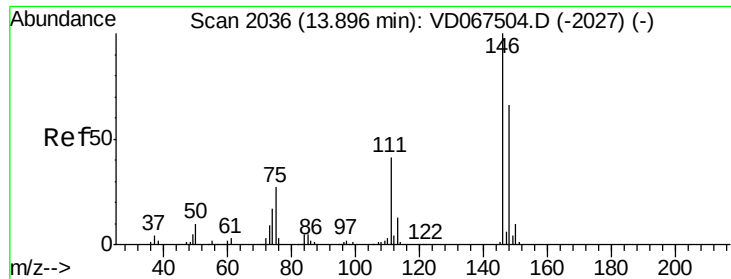
MMDadoda
11/12/2020 1:11:42 PM



#90
Hexachloroethane
Concen: 22.835 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.2	40.7	122.1





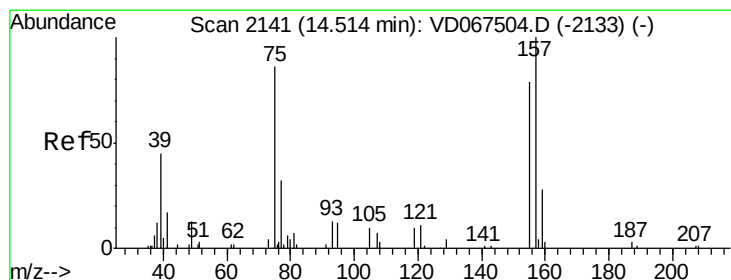
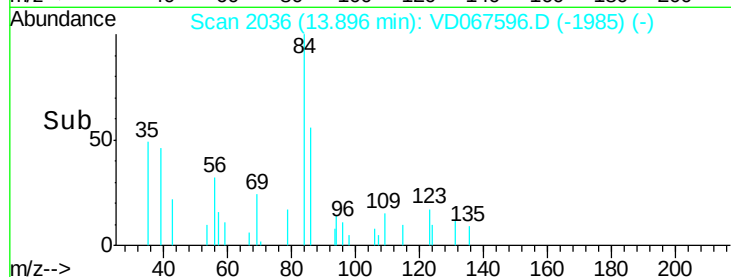
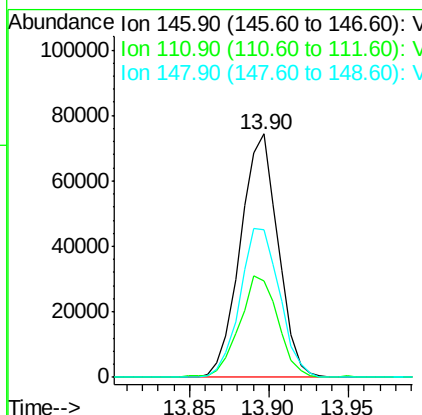
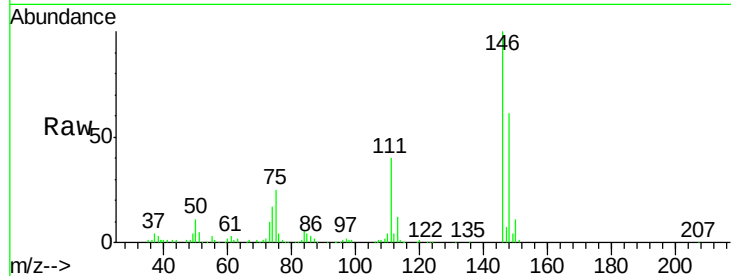
#91
 1,2-Dichlorobenzene
 Concen: 22.451 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067596.D
 Acq: 11 Nov 2020 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.7	62.1
148	64.5	31.5	94.5

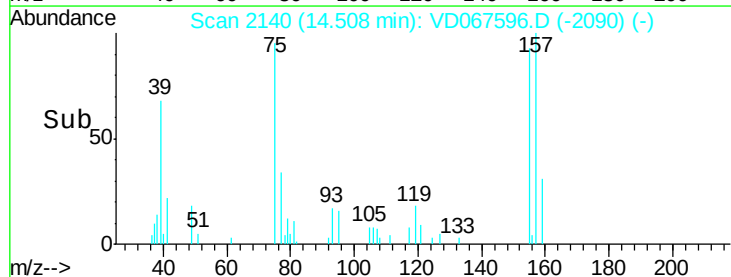
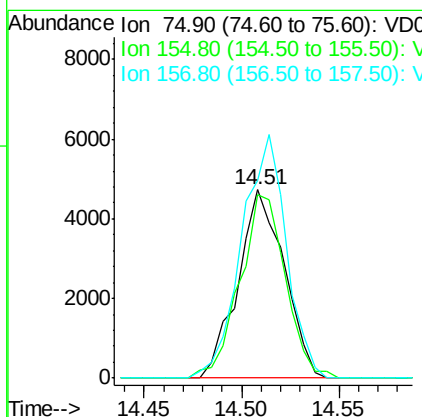
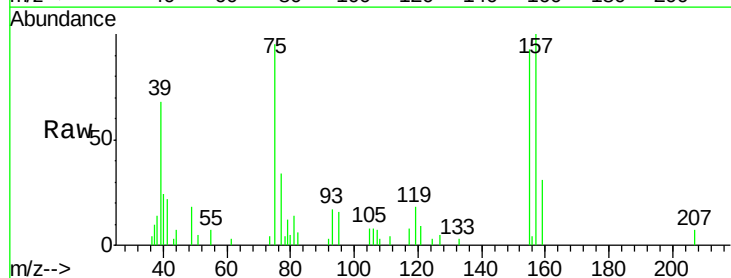
Manual Integrations
 APPROVED

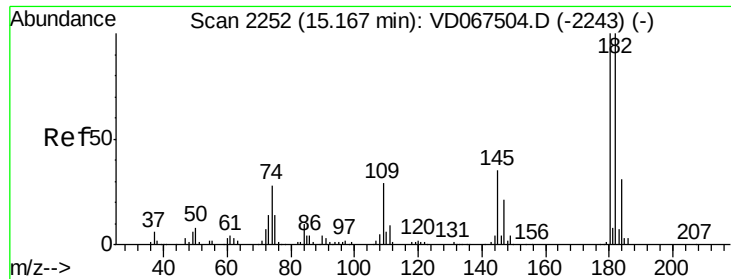
MMDadoda
 11/12/2020 1:11:42 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.868 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067596.D
 Acq: 11 Nov 2020 12:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.1	46.6	139.8
157	124.8	58.1	174.2





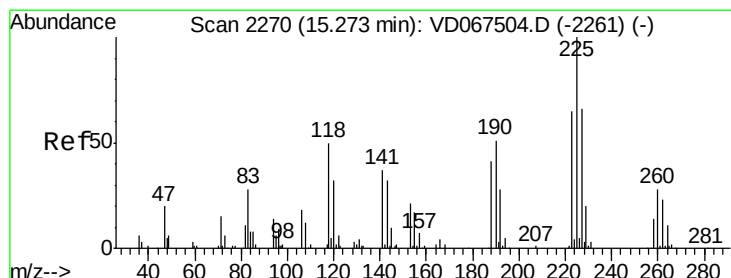
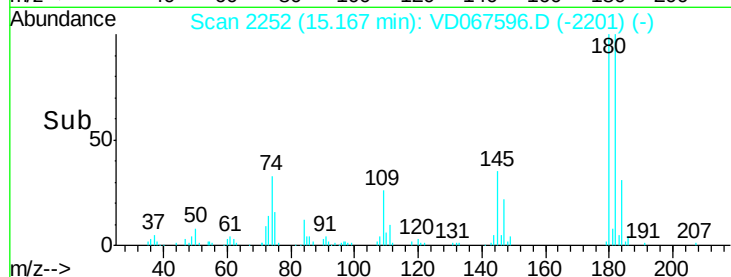
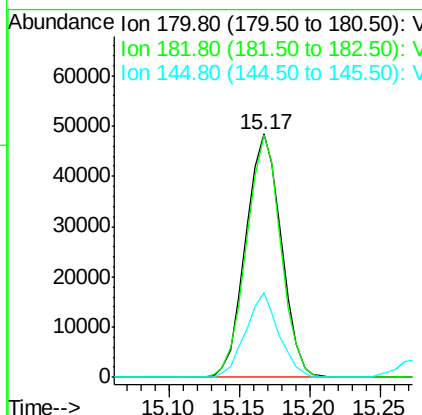
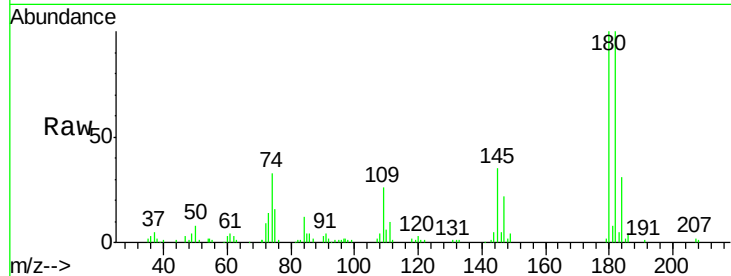
#93
1,2,4-Trichlorobenzene
Concen: 23.073 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.4	142.3
145	32.4	16.2	48.6

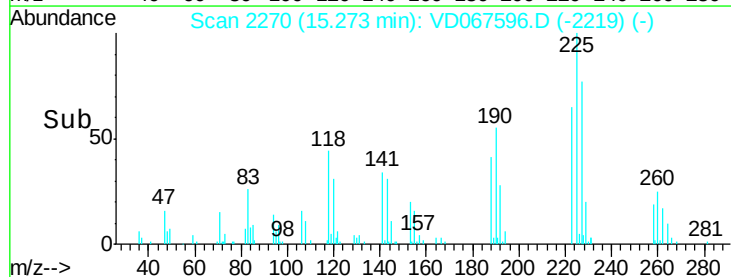
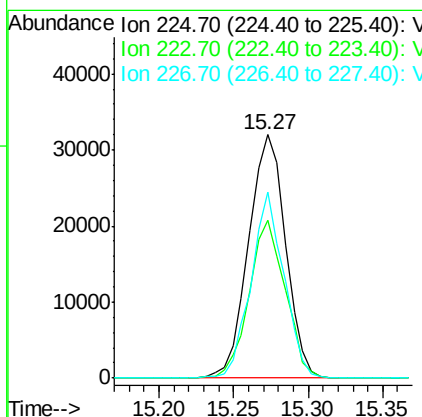
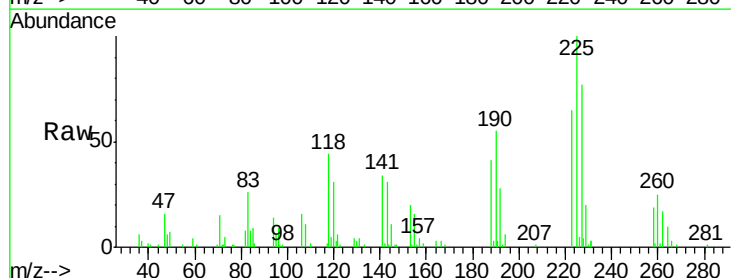
Manual Integrations
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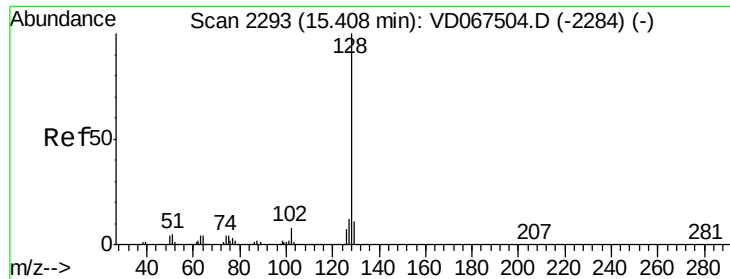
MMDadoda
11/12/2020 1:11:42 PM



#94
Hexachlorobutadiene
Concen: 22.125 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.9	95.5
227	68.1	32.5	97.4





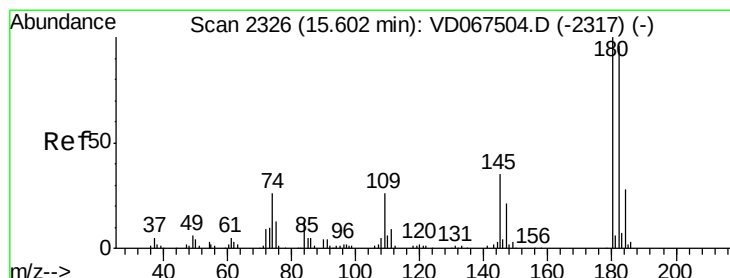
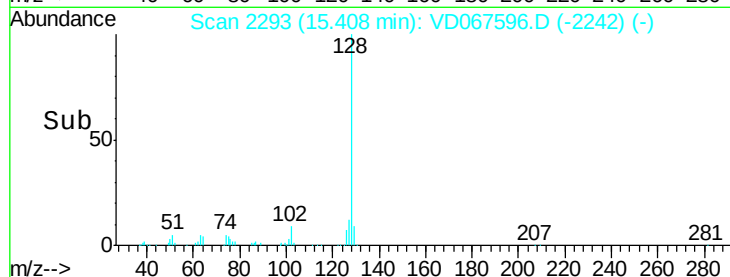
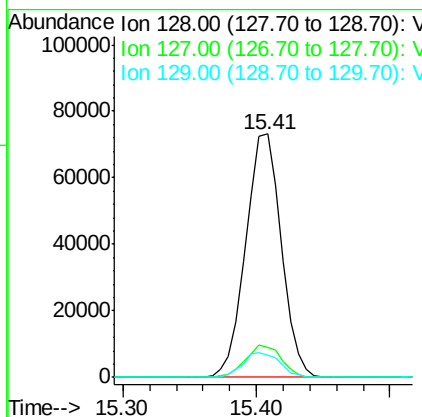
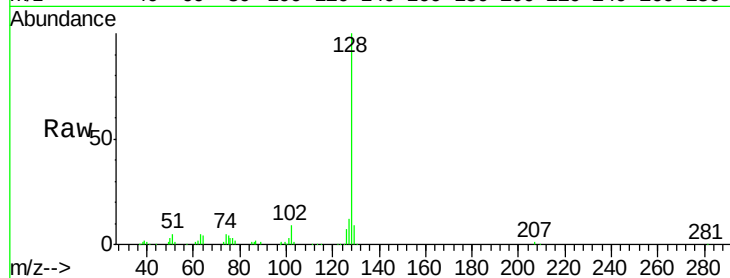
#95
Naphthalene
Concen: 23.557 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.4
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
11/12/2020 1:11:42 PM



#96
1,2,3-Trichlorobenzene
Concen: 23.209 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067596.D
Acq: 11 Nov 2020 12:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	46.9	140.8
145	33.1	17.1	51.2

