

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072120\
 Data File : VD065977.D
 Acq On : 21 Jul 2020 13:45
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSVVD072120

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 2:44:29 PM

Quant Time: Jul 21 16:49:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	404794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	572821	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	506777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	256278	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	164019	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
35) Dibromofluoromethane	7.91	113	173182	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
50) Toluene-d8	10.34	98	677951	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
62) 4-Bromofluorobenzene	12.64	95	224289	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	153369	49.925	ug/l	95
3) Chloromethane	2.20	50	128295	51.176	ug/l	96
4) Vinyl Chloride	2.35	62	127930	53.587	ug/l	98
5) Bromomethane	2.77	94	85968	51.337	ug/l	96
6) Chloroethane	2.92	64	74185	52.055	ug/l	90
7) Trichlorofluoromethane	3.27	101	308261	53.086	ug/l	100
8) Diethyl Ether	3.71	74	82553	51.432	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	191249	54.545	ug/l	98
10) Methyl Iodide	4.30	142	199494	55.210	ug/l	98
11) Tert butyl alcohol	5.21	59	47687	227.707	ug/l #	85
12) 1,1-Dichloroethene	4.06	96	180988	54.077	ug/l	94
13) Acrolein	3.92	56	62630	225.688	ug/l	98
14) Allyl chloride	4.71	41	281146	53.738	ug/l	98
15) Acrylonitrile	5.41	53	176703	257.689	ug/l	98
16) Acetone	4.15	43	188258	282.370	ug/l	99
17) Carbon Disulfide	4.41	76	573191	52.798	ug/l	100
18) Methyl Acetate	4.71	43	72963	47.044	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	362338	52.692	ug/l	95
20) Methylene Chloride	4.96	84	186704	50.686	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	200519	53.010	ug/l	94
22) Diisopropyl ether	6.36	45	531287	53.453	ug/l	98
23) Vinyl Acetate	6.30	43	1525818	272.199	ug/l	99
24) 1,1-Dichloroethane	6.26	63	320126	53.156	ug/l	96
25) 2-Butanone	7.21	43	234112	264.634	ug/l	97
26) 2,2-Dichloropropane	7.20	77	296787	54.801	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	210495	52.558	ug/l	98
28) Bromochloromethane	7.54	49	124863	48.849	ug/l	98
29) Tetrahydrofuran	7.56	42	141093	258.487	ug/l	99
30) Chloroform	7.71	83	325972	51.745	ug/l	98
31) Cyclohexane	7.98	56	309672	52.266	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	313590	53.815	ug/l	100
36) 1,1-Dichloropropene	8.11	75	272067	55.652	ug/l	97
37) Ethyl Acetate	7.29	43	100501	53.830	ug/l #	95
38) Carbon Tetrachloride	8.10	117	291445	54.943	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	347255	58.655	ug/l	99
40) Benzene	8.35	78	735319	53.763	ug/l	98
41) Methacrylonitrile	7.53	41	63034m	58.936	ug/l	
42) 1,2-Dichloroethane	8.43	62	197413	52.674	ug/l	99
43) Isopropyl Acetate	8.46	43	194929	53.456	ug/l	98
44) Trichloroethene	9.11	130	228060	55.102	ug/l	94
45) 1,2-Dichloropropane	9.39	63	177525	53.593	ug/l	99
46) Dibromomethane	9.48	93	93011	52.159	ug/l	97
47) Bromodichloromethane	9.67	83	247306	52.451	ug/l	98
48) Methyl methacrylate	9.46	41	99409	54.044	ug/l	99
49) 1,4-Dioxane	9.46	88	21520	1041.656	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	497427	270.733	ug/l	100
52) Toluene	10.41	92	489690	54.902	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	237152	53.988	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	287729	54.036	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	128287	50.726	ug/l	97
56) Ethyl methacrylate	10.67	69	168563	57.327	ug/l	99
57) 1,3-Dichloropropane	10.95	76	221050	52.798	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	325842	231.976	ug/l	100
59) 2-Hexanone	10.99	43	361295	283.758	ug/l	98
60) Dibromochloromethane	11.14	129	175942	51.597	ug/l	98
61) 1,2-Dibromoethane	11.25	107	126575	51.908	ug/l	97
64) Tetrachloroethene	10.88	164	194987	56.688	ug/l	96
65) Chlorobenzene	11.67	112	519569	55.995	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	189998	55.456	ug/l	99
67) Ethyl Benzene	11.75	91	925760	57.976	ug/l	99
68) m/p-Xylenes	11.86	106	709828	115.655	ug/l	100
69) o-Xylene	12.18	106	327059	58.589	ug/l	98
70) Styrene	12.20	104	556959	58.070	ug/l	100
71) Bromoform	12.37	173	107357	53.494	ug/l #	99
73) Isopropylbenzene	12.48	105	901608	58.141	ug/l	99
74) N-amyl acetate	12.30	43	180894	56.260	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	135703	52.951	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	90540m	46.921	ug/l	
77) Bromobenzene	12.77	156	217840	54.967	ug/l	99
78) n-propylbenzene	12.83	91	1059041	58.852	ug/l	100
79) 2-Chlorotoluene	12.91	91	584415	56.847	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	744266	58.417	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	47019	55.913	ug/l	95
82) 4-Chlorotoluene	13.01	91	617718	56.926	ug/l	98
83) tert-Butylbenzene	13.23	119	652030	58.485	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	727912	57.911	ug/l	99
85) sec-Butylbenzene	13.41	105	915566	59.622	ug/l	99
86) p-Isopropyltoluene	13.52	119	836491	59.959	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	404833	55.019	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	402221	54.073	ug/l	100
89) n-Butylbenzene	13.85	91	780107	60.137	ug/l	100
90) Hexachloroethane	14.12	117	163324	56.552	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	358931	56.294	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	22306	53.107	ug/l	96

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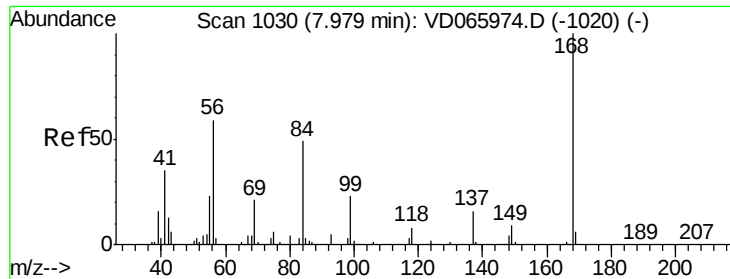
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	266152	58.155	ug/l	98
94) Hexachlorobutadiene	15.28	225	165858	58.619	ug/l	100
95) Naphthalene	15.41	128	424692	52.027	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	227756	57.244	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. 0.00 min

Lab File: VD065977.D

Acq: 21 Jul 2020 13:45

Instrument :

MSVOA_D

ClientSampled :

ICVVD072120

Tot Ion:168 Resp: 404794

Ion Ratio Lower Upper

168 100

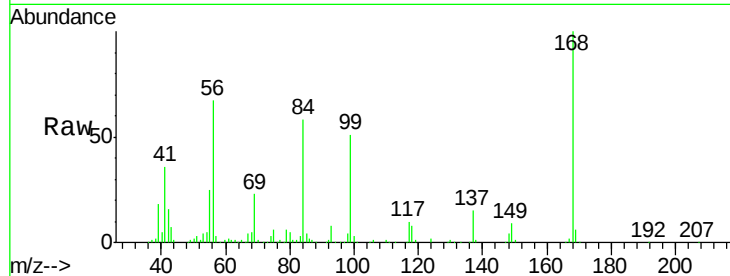
99 50.6 40.8 61.2

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

200000

150000

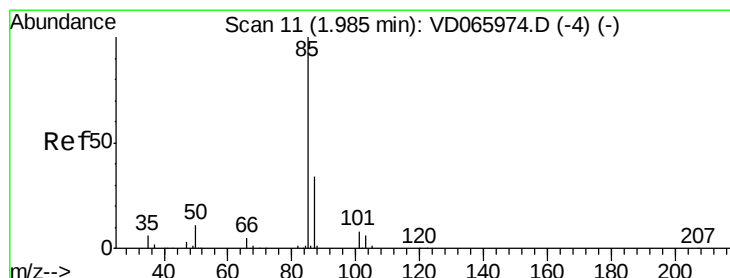
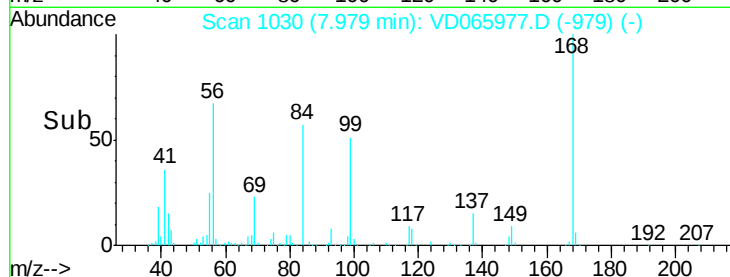
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.925 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065977.D

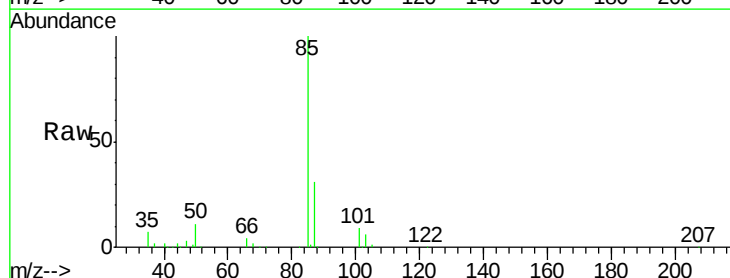
Acq: 21 Jul 2020 13:45

Tgt Ion: 85 Resp: 153369

Ion Ratio Lower Upper

85 100

87 31.5 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

120000

100000

80000

60000

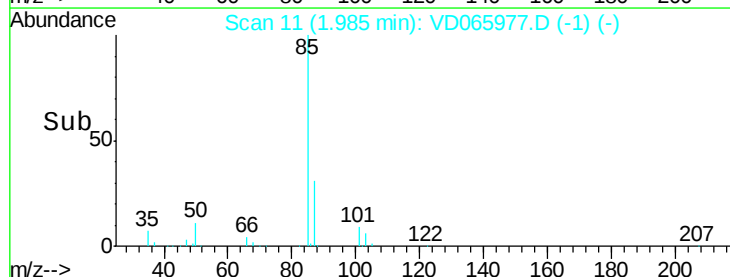
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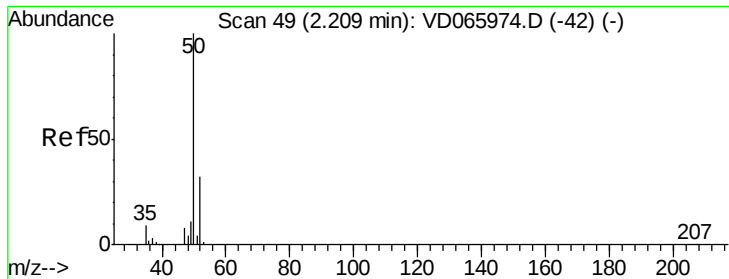
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 51.176 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD065977.D

Acq: 21 Jul 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072120

Tot Ion: 50 Resp: 128295

Ion Ratio Lower Upper

50 100

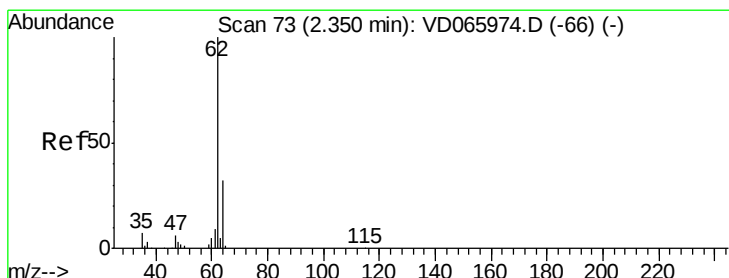
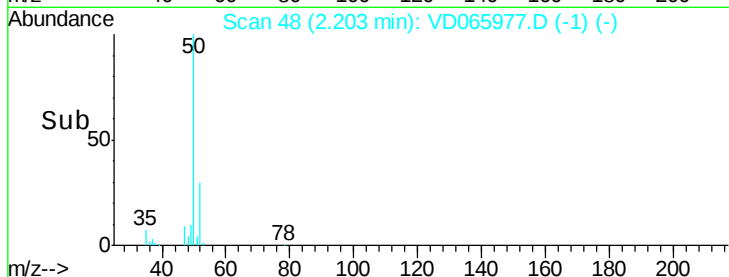
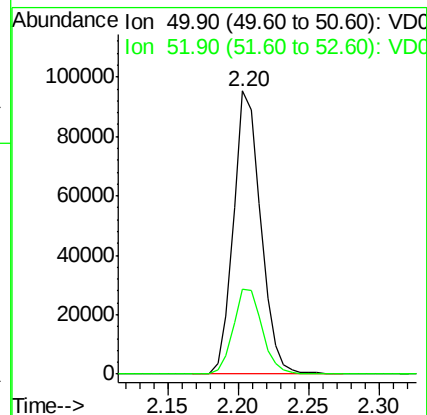
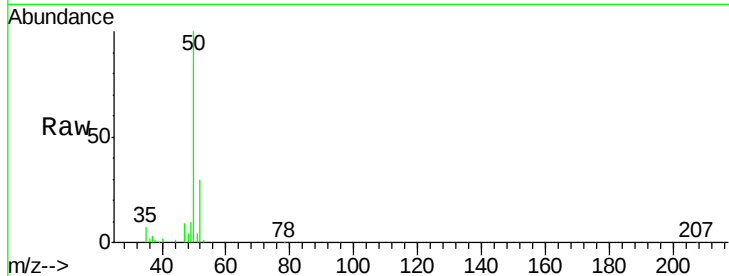
52 30.2 25.8 38.8

Manual Integrations

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7/22/2020 2:44:29 PM



#4

Vinyl Chloride

Concen: 53.587 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065977.D

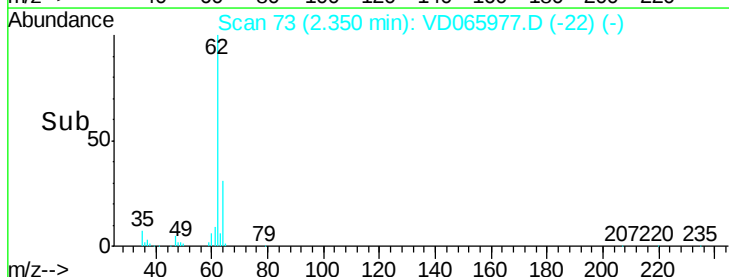
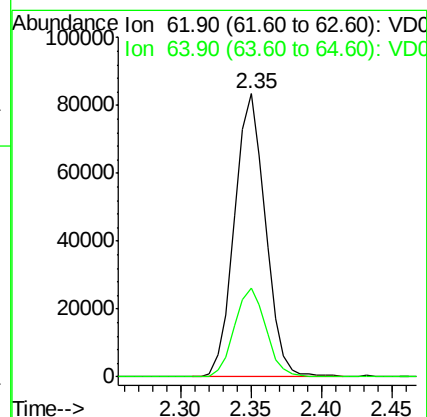
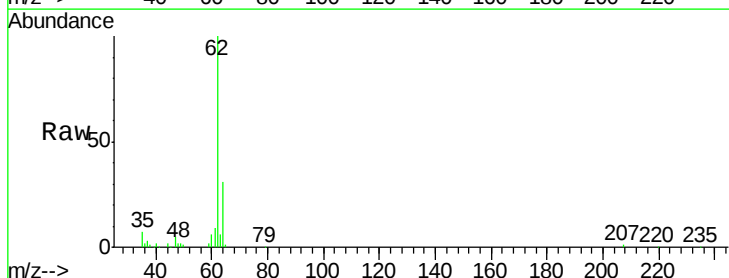
Acq: 21 Jul 2020 13:45

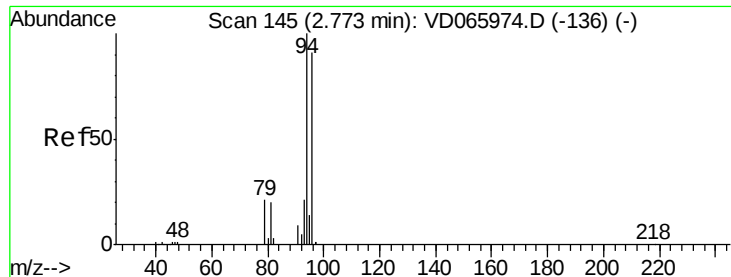
Tgt Ion: 62 Resp: 127930

Ion Ratio Lower Upper

62 100

64 31.4 25.8 38.8





#5

Bromomethane

Concen: 51.337 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065977.D

Acq: 21 Jul 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072120

Tot Ion: 94 Resp: 85968

Ion Ratio Lower Upper

94 100

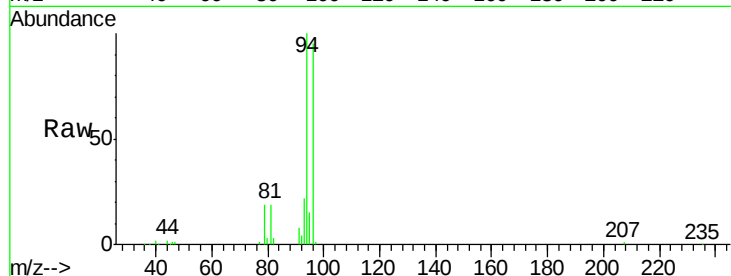
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Manual Integrations

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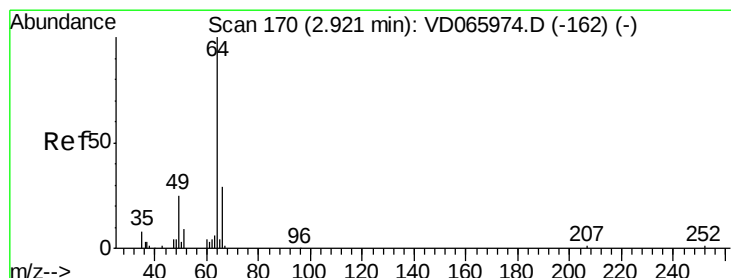
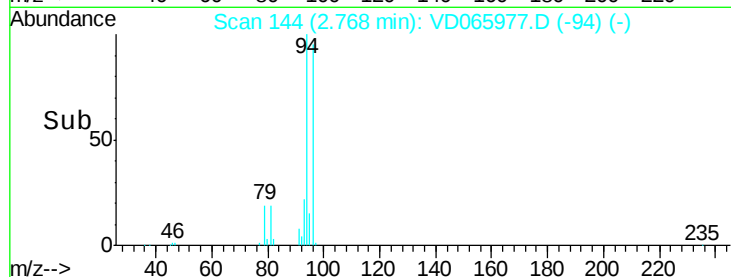
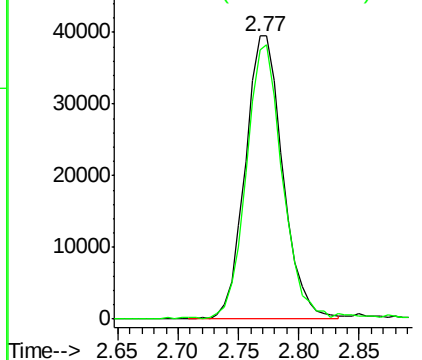
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 52.055 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065977.D

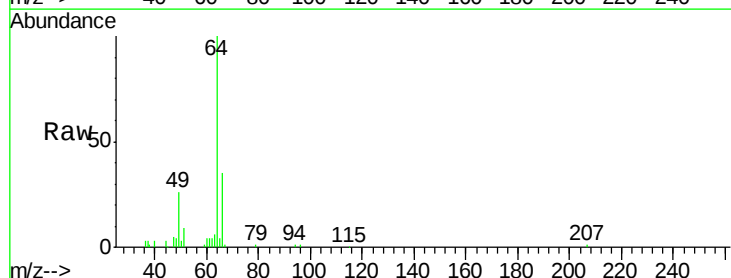
Acq: 21 Jul 2020 13:45

Tgt Ion: 64 Resp: 74185

Ion Ratio Lower Upper

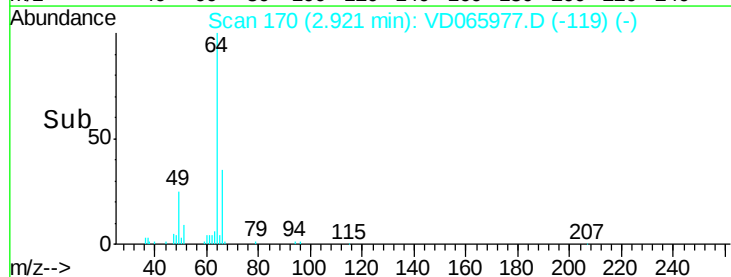
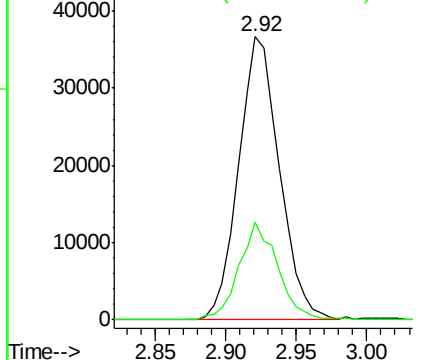
64 100

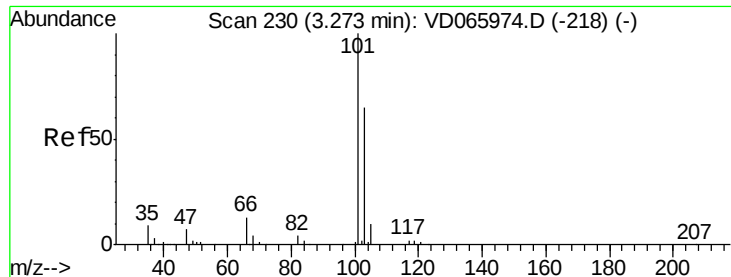
66 34.6 23.4 35.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

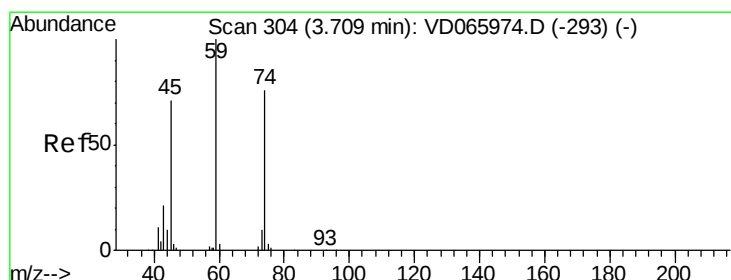
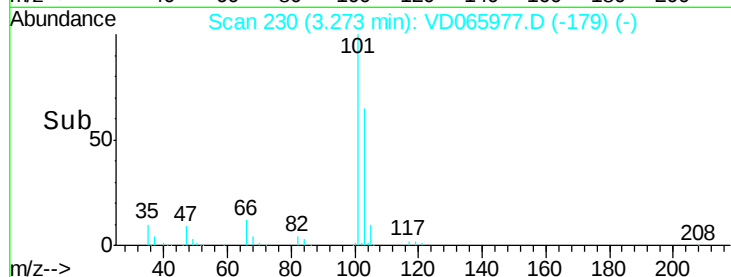
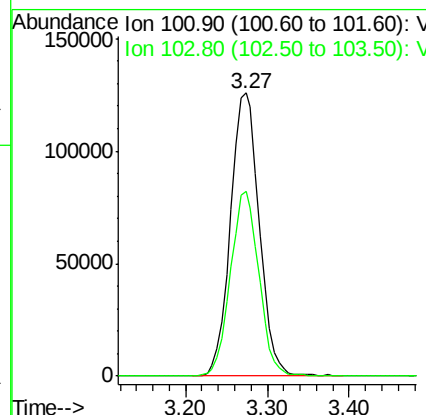
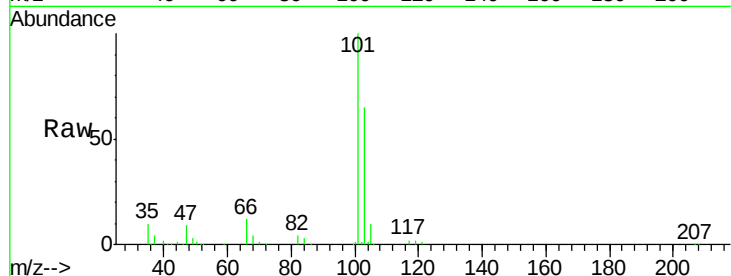
Trichlorofluoromethane
Concen: 53.086 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065977.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.1	78.1

Manual Integrations
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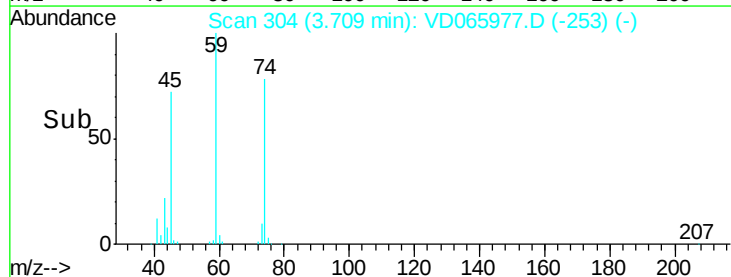
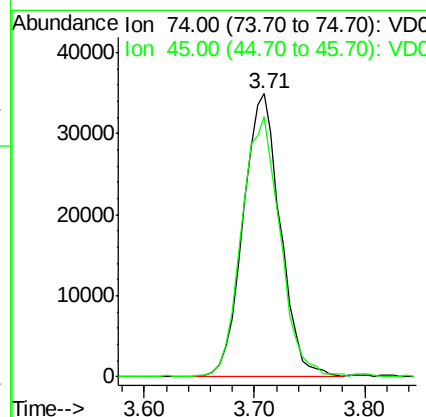
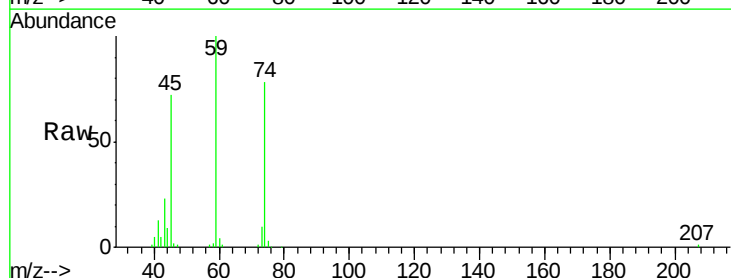
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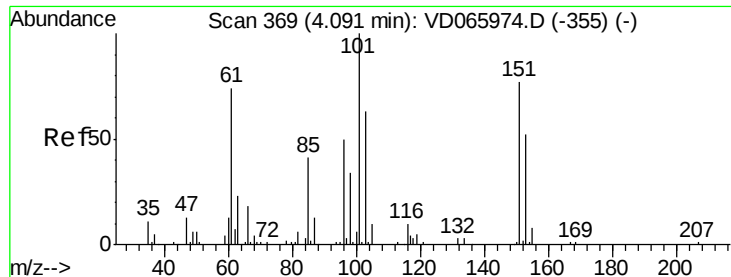


#8

Diethyl Ether
Concen: 51.432 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.5	49.9	149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.545 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD065977.D

Acq: 21 Jul 2020 13:45

Instrument :

MSVOA_D

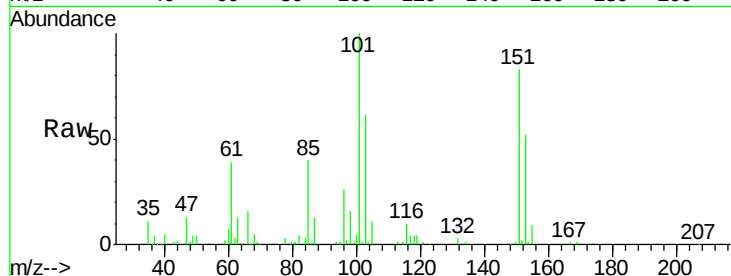
ClientSampleId :

ICVVD072120

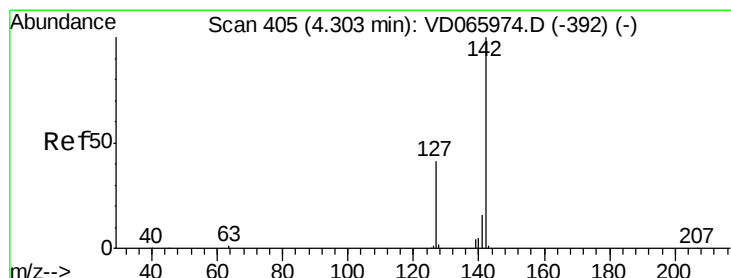
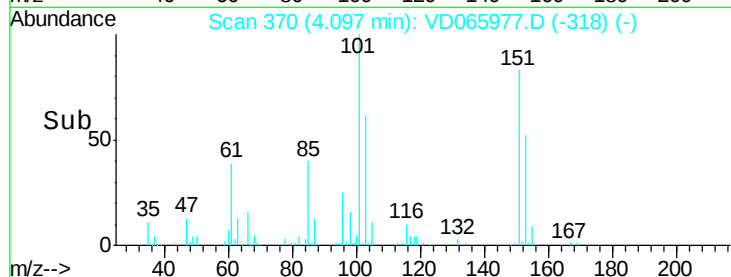
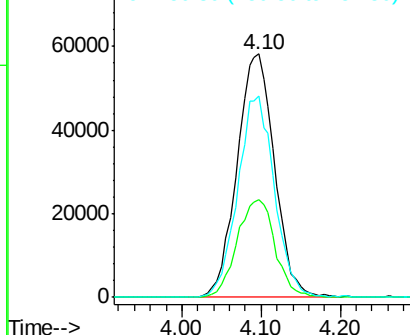
Tot Ion:	101	Resp:	191249
Ion Ratio	Lower	Upper	
101	100		
85	40.6	33.6	50.4
151	81.0	66.6	99.8

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



#10

Methyl Iodide

Concen: 55.210 ug/l

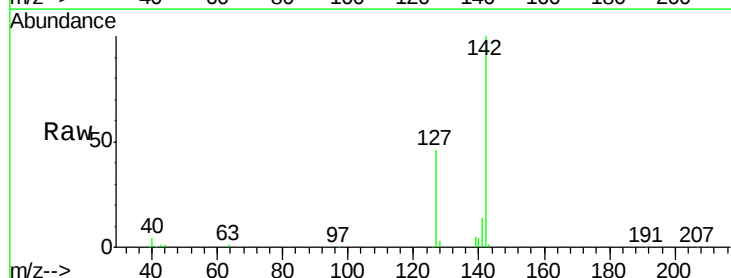
RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

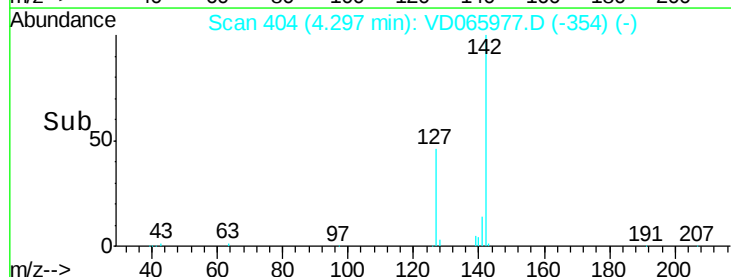
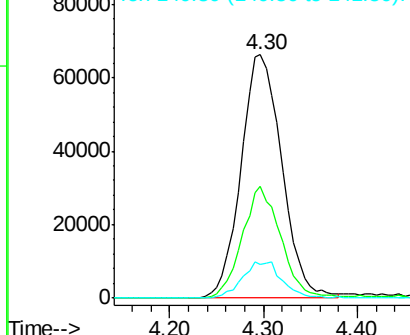
Lab File: VD065977.D

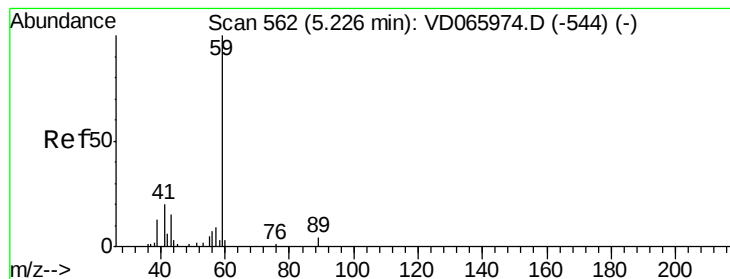
Acq: 21 Jul 2020 13:45

Tgt Ion:	142	Resp:	199494
Ion Ratio	Lower	Upper	
142	100		
127	43.1	32.9	49.3
141	14.5	11.8	17.6



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





#11

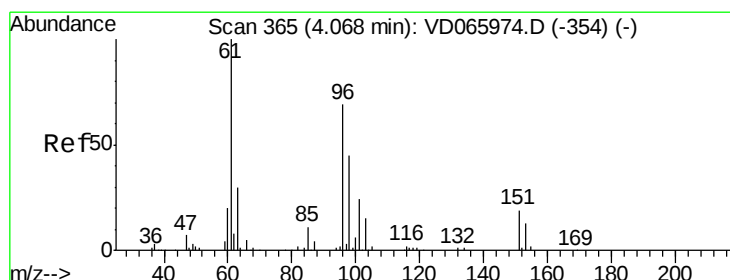
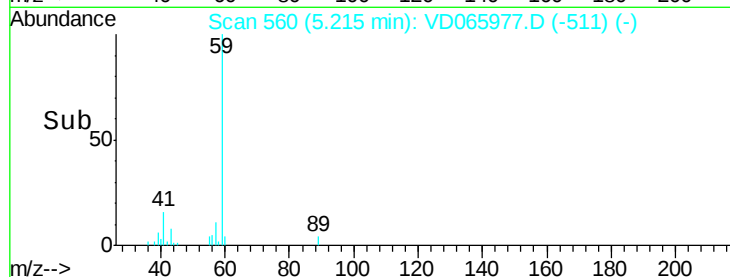
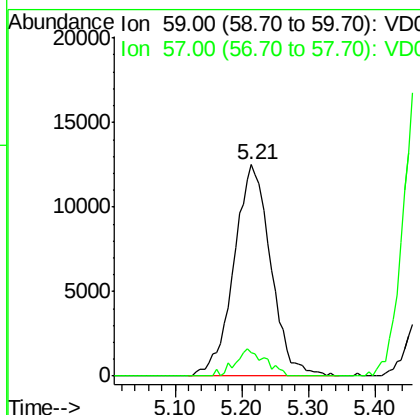
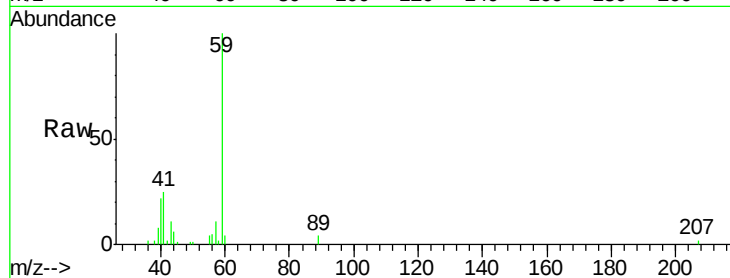
Tert butyl alcohol
 Concen: 227.707 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD065977.D
 Acq: 21 Jul 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072120

Tot Ion: 59 Resp: 47687
 Ion Ratio Lower Upper
 59 100
 57 10.5 4.5 6.7#

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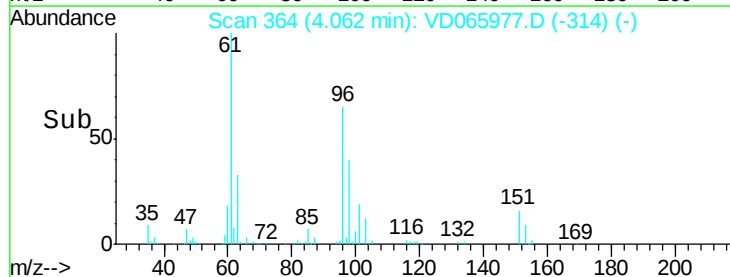
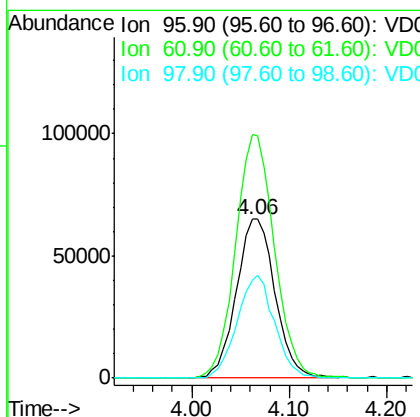
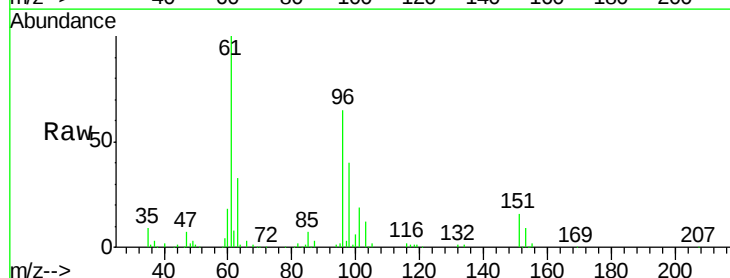
MMDadoda
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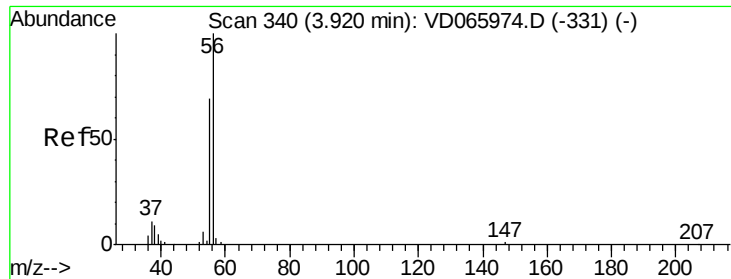


#12

1,1-Dichloroethene
 Concen: 54.077 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD065977.D
 Acq: 21 Jul 2020 13:45

Tgt Ion: 96 Resp: 180988
 Ion Ratio Lower Upper
 96 100
 61 153.3 115.4 173.0
 98 61.5 51.5 77.3





#13

Acrolein

Concen: 225.688 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD065977.D

Acq: 21 Jul 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072120

Tot Ion: 56 Resp: 62630

Ion Ratio Lower Upper

56 100

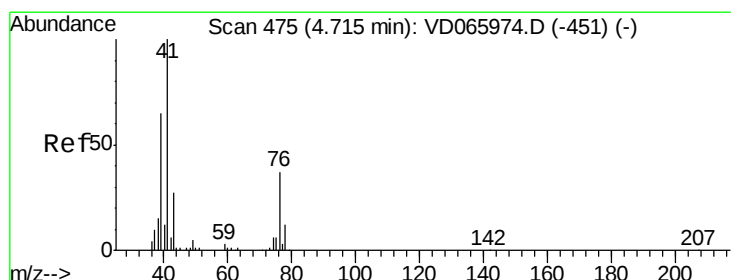
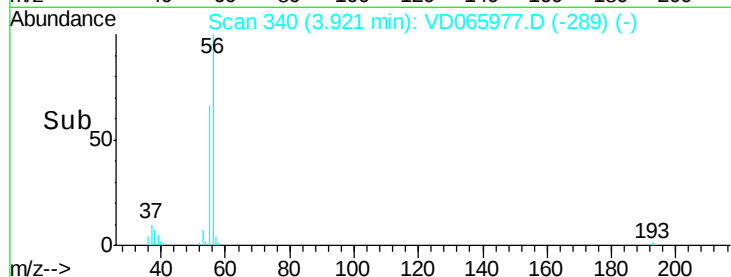
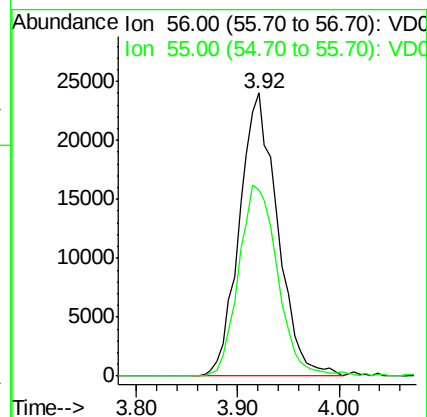
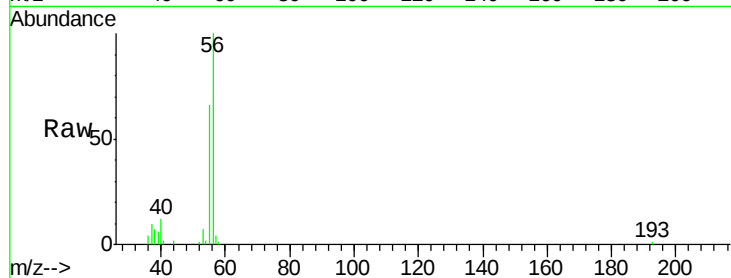
55 68.4 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 53.738 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065977.D

Acq: 21 Jul 2020 13:45

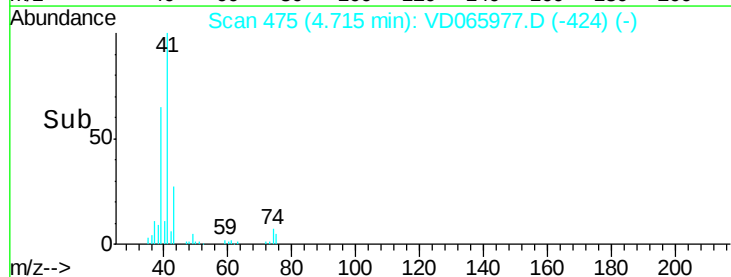
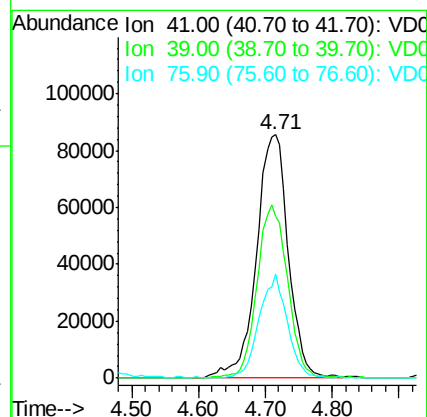
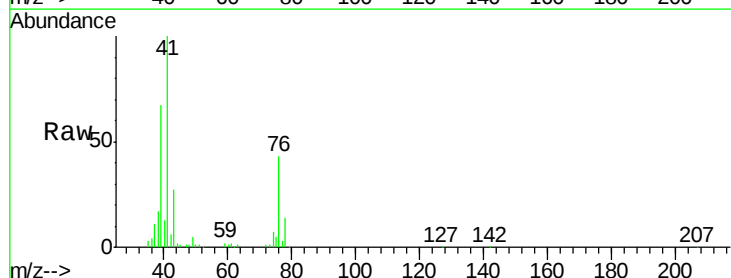
Tgt Ion: 41 Resp: 281146

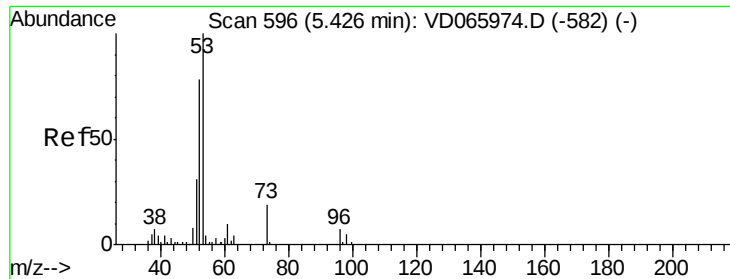
Ion Ratio Lower Upper

41 100

39 68.4 53.4 80.2

76 37.0 29.1 43.7





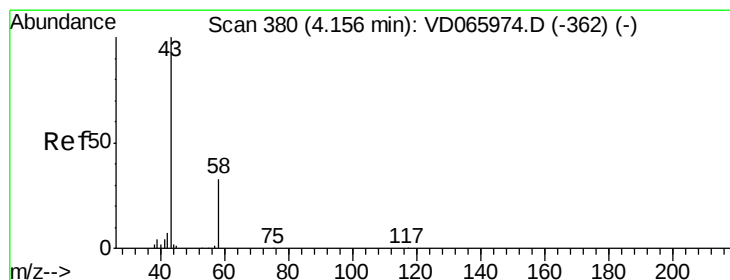
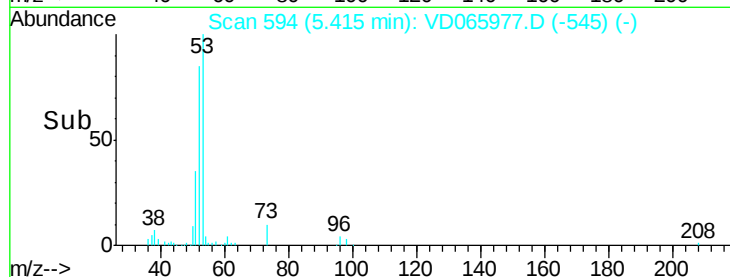
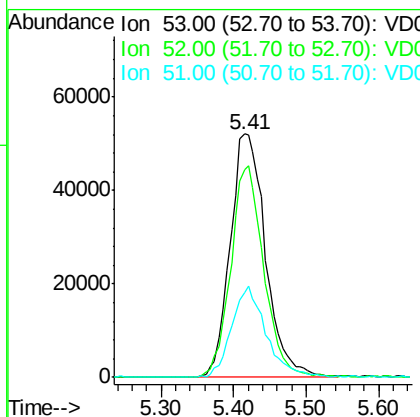
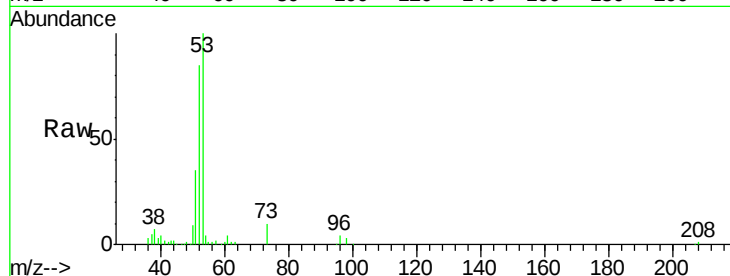
#15
 Acrylonitrile
 Concen: 257.689 ug/l
 RT: 5.41 min Scan# 594
 Delta R.T. -0.01 min
 Lab File: VD065977.D
 Acq: 21 Jul 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072120

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.2	67.1	100.7
51	36.4	28.7	43.1

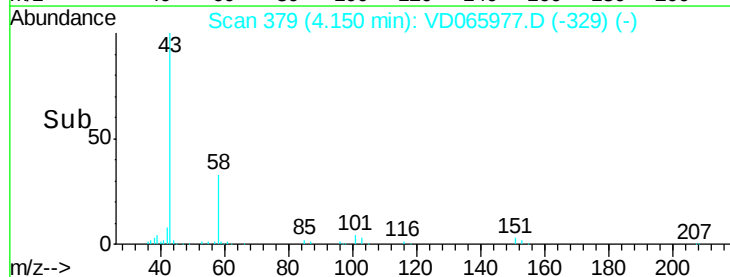
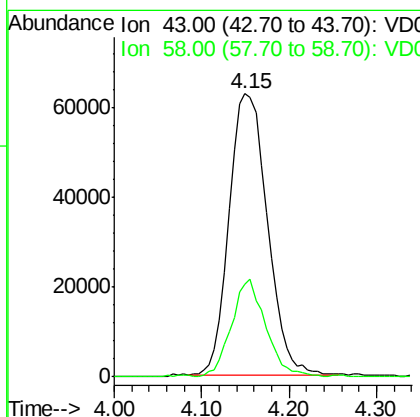
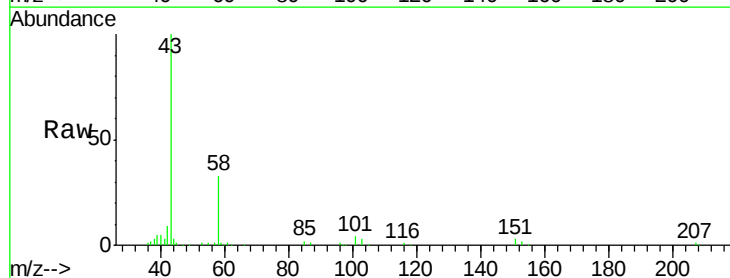
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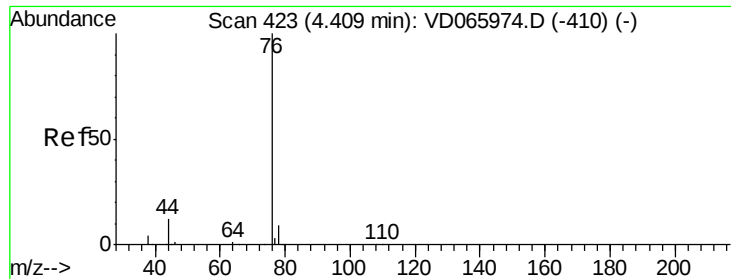
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#16
 Acetone
 Concen: 282.370 ug/l
 RT: 4.15 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VD065977.D
 Acq: 21 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.5	26.3	39.5





#17

Carbon Disulfide

Concen: 52.798 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD065977.D

Acq: 21 Jul 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072120

Tot Ion: 76 Resp: 573191

Ion Ratio Lower Upper

76 100

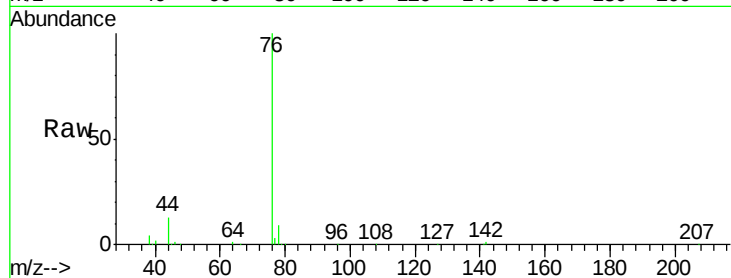
78 9.4 7.4 11.2

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

200000

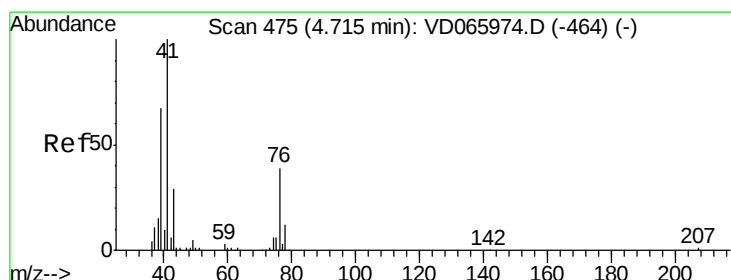
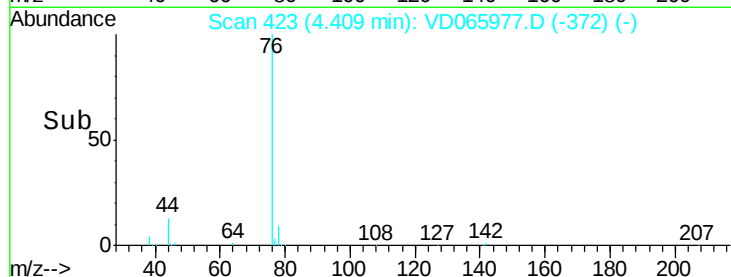
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.044 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065977.D

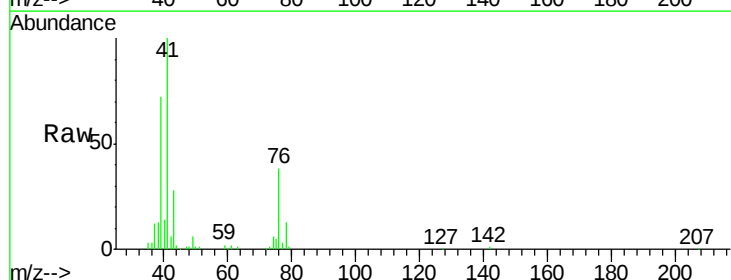
Acq: 21 Jul 2020 13:45

Tgt Ion: 43 Resp: 72963

Ion Ratio Lower Upper

43 100

74 24.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

25000

20000

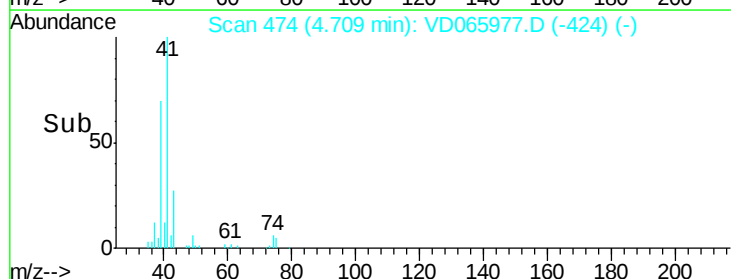
15000

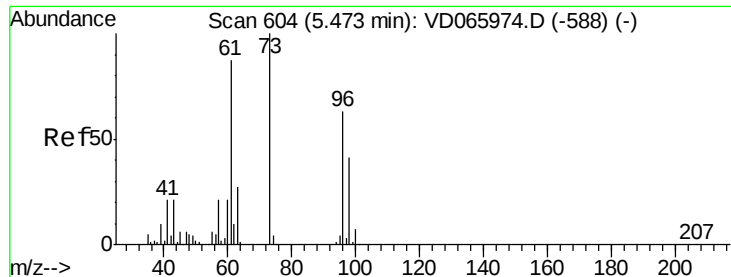
10000

5000

0

Time-->





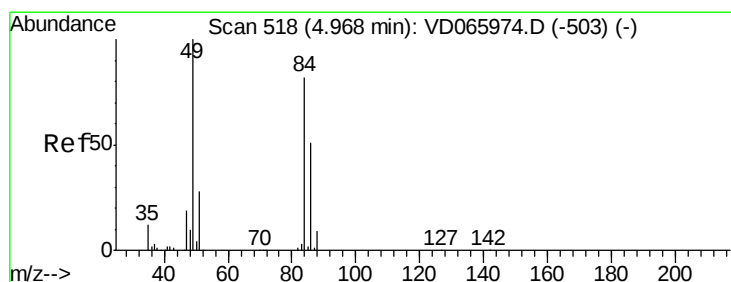
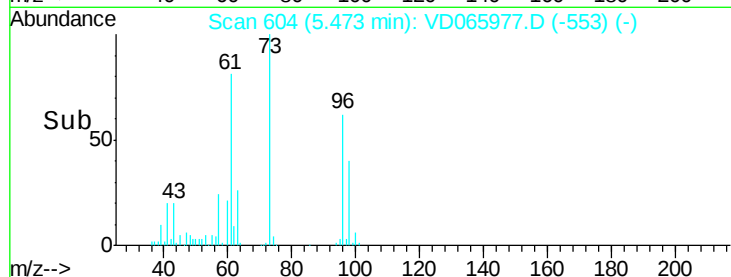
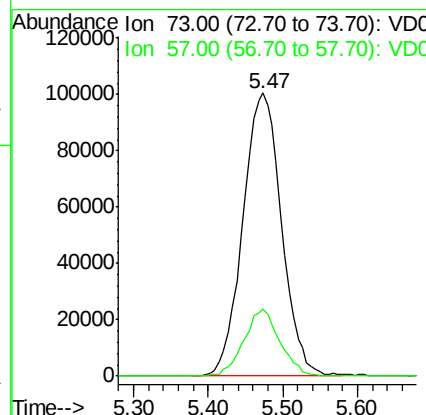
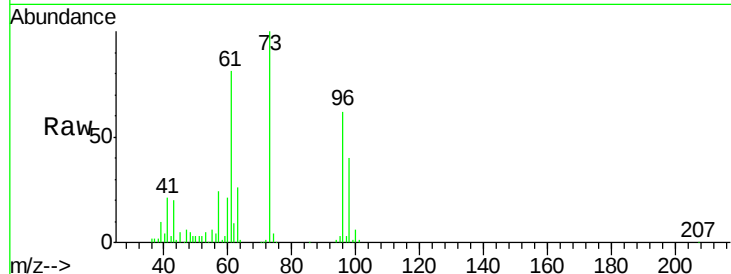
#19
Methyl tert-butyl Ether
Concen: 52.692 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072120

Tot Ion: 73 Resp: 362338
Ion Ratio Lower Upper
73 100
57 23.8 17.0 25.4

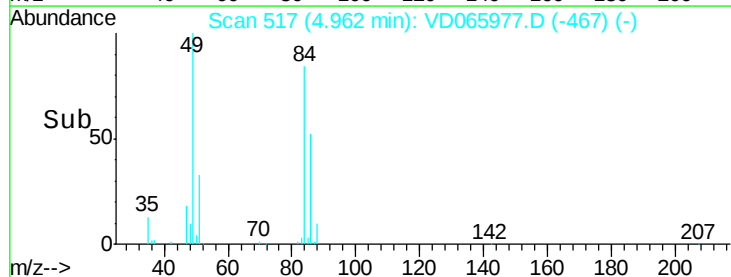
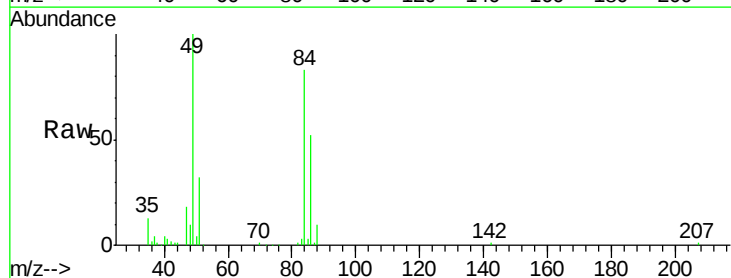
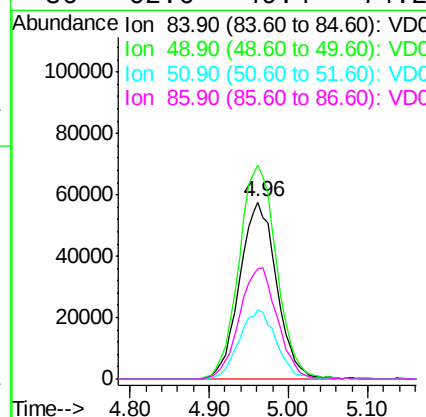
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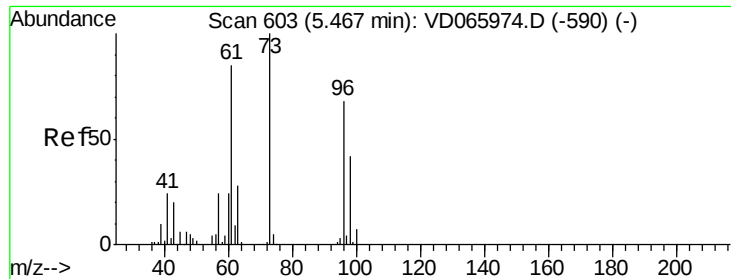
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#20
Methylene Chloride
Concen: 50.686 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Tgt Ion: 84 Resp: 186704
Ion Ratio Lower Upper
84 100
49 120.7 97.7 146.5
51 39.1 27.4 41.2
86 62.6 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 53.010 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065977.D

Acq: 21 Jul 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072120

Tot Ion: 96 Resp: 200519

Ion Ratio Lower Upper

96 100

61 133.6 100.5 150.7

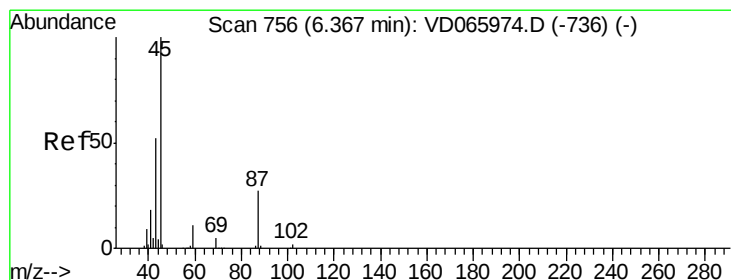
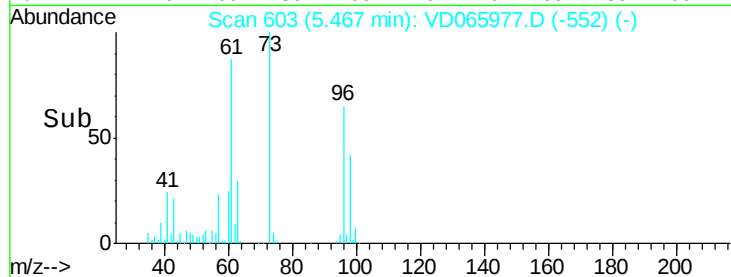
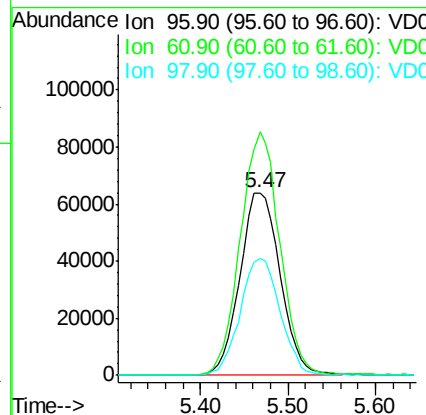
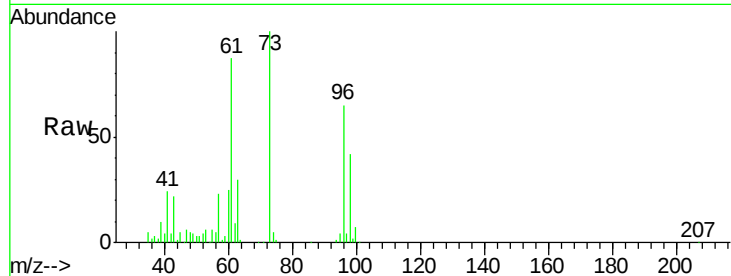
98 64.3 49.7 74.5

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#22

Diisopropyl ether

Concen: 53.453 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065977.D

Acq: 21 Jul 2020 13:45

Tgt Ion: 45 Resp: 531287

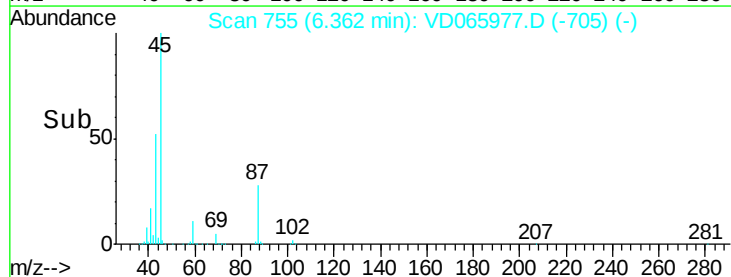
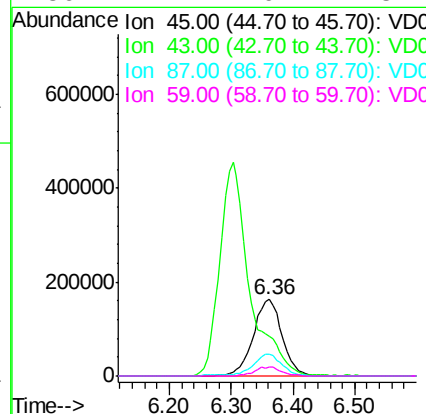
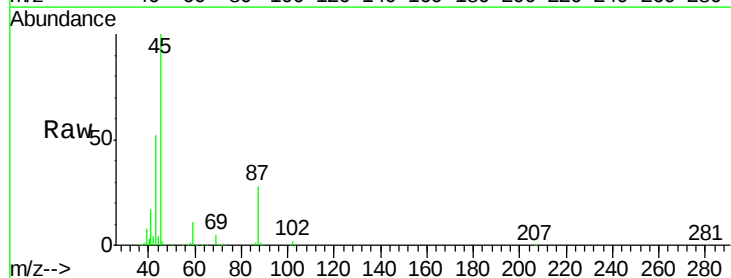
Ion Ratio Lower Upper

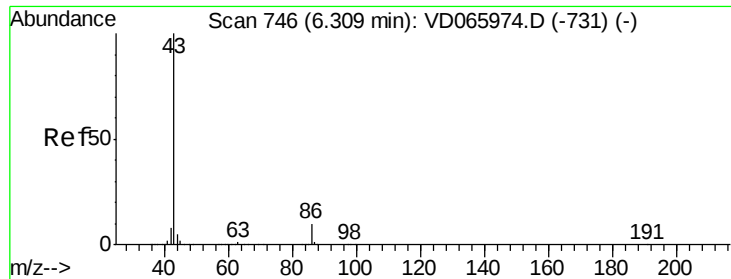
45 100

43 51.7 43.0 64.4

87 27.6 22.0 33.0

59 11.1 9.1 13.7





#23

Vinyl Acetate

Concen: 272.199 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD065977.D

Acq: 21 Jul 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072120

Tot Ion: 43 Resp: 1525818

Ion Ratio Lower Upper

43 100

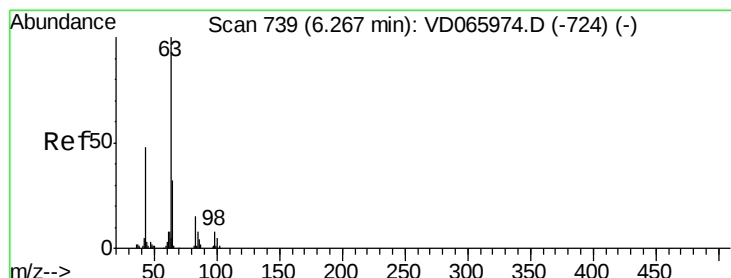
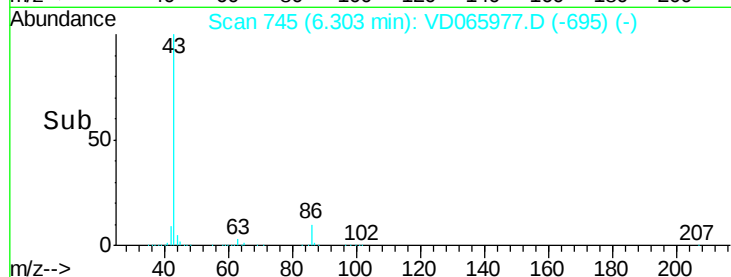
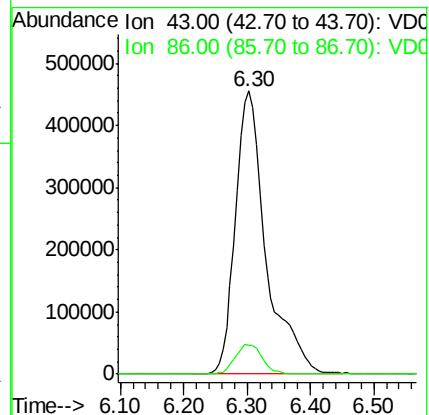
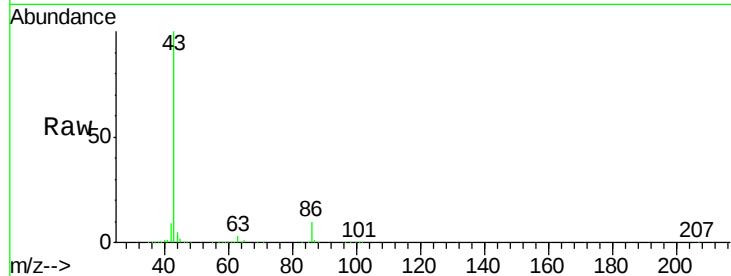
86 10.3 7.9 11.9

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#24

1,1-Dichloroethane

Concen: 53.156 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065977.D

Acq: 21 Jul 2020 13:45

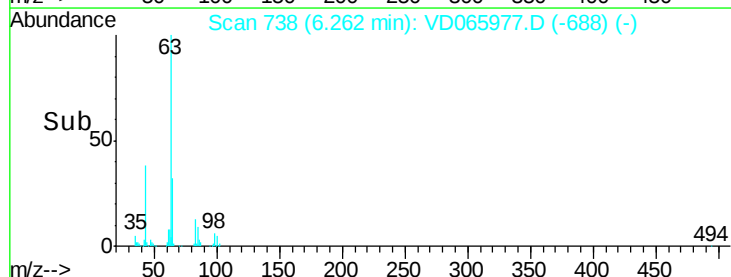
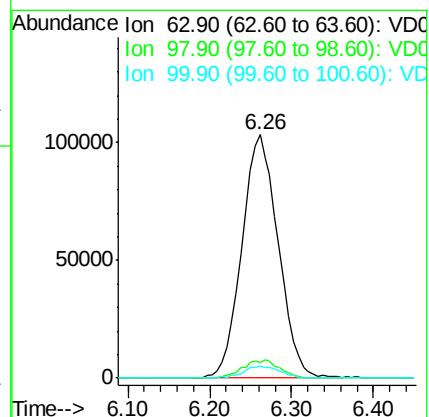
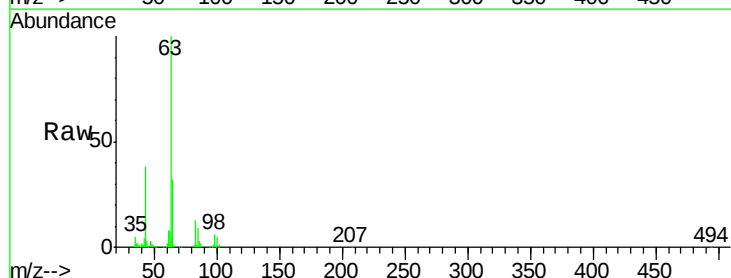
Tgt Ion: 63 Resp: 320126

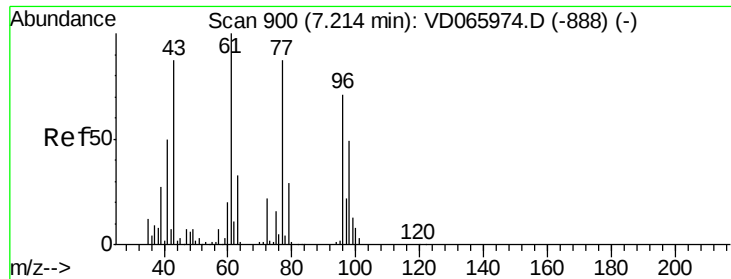
Ion Ratio Lower Upper

63 100

98 6.3 4.3 12.8

100 4.9 2.5 7.5





#25

2-Butanone

Concen: 264.634 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065977.D

Acq: 21 Jul 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072120

Tot Ion: 43 Resp: 234112

Ion Ratio Lower Upper

43 100

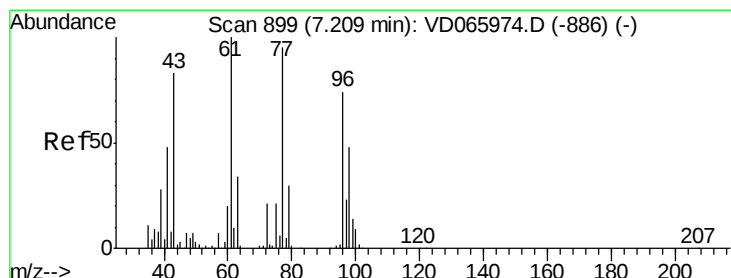
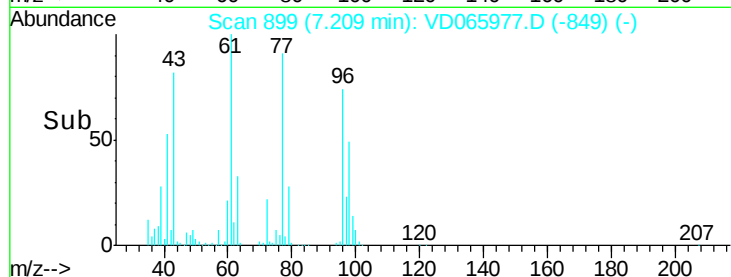
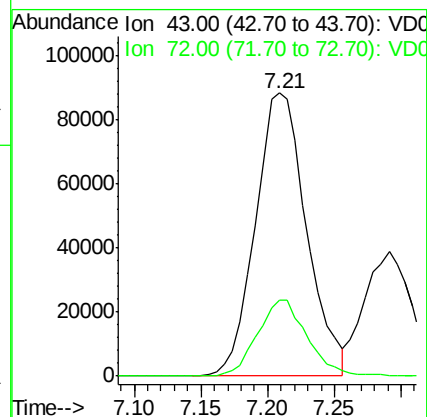
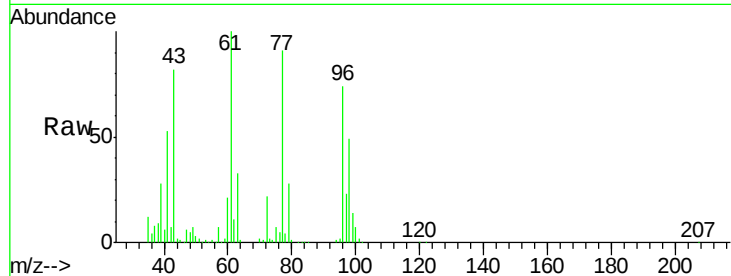
72 26.7 20.2 30.2

Manual Integrations

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7/22/2020 2:44:29 PM



#26

2,2-Dichloropropane

Concen: 54.801 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD065977.D

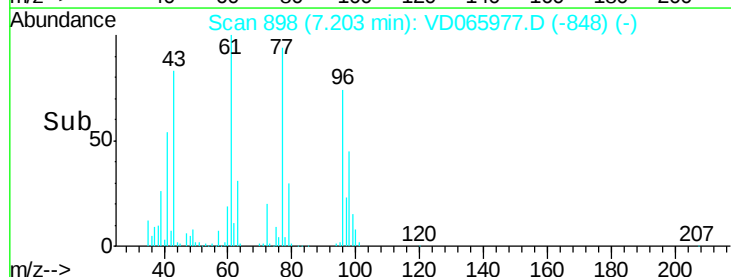
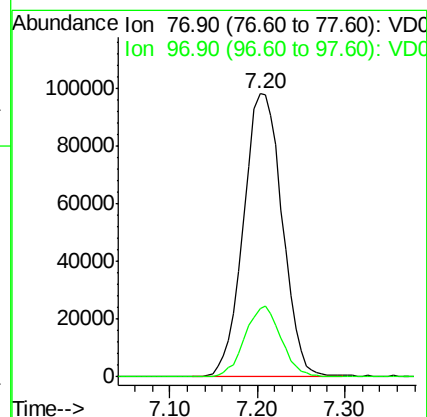
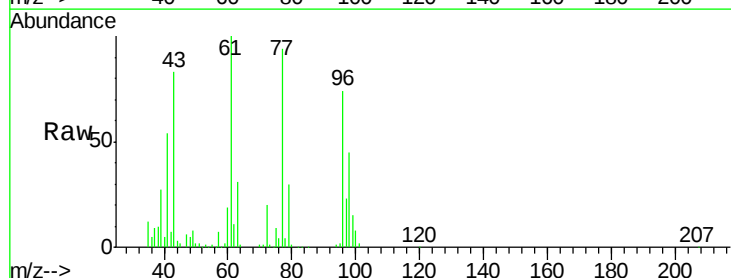
Acq: 21 Jul 2020 13:45

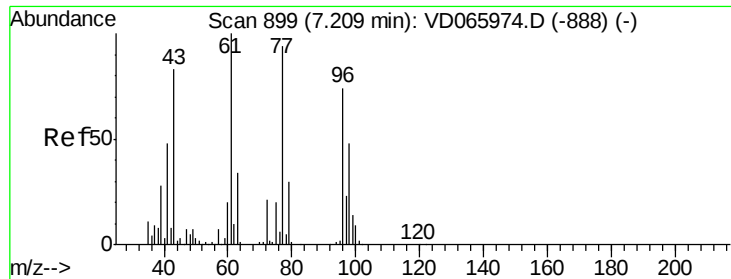
Tgt Ion: 77 Resp: 296787

Ion Ratio Lower Upper

77 100

97 23.3 11.6 34.7





#27

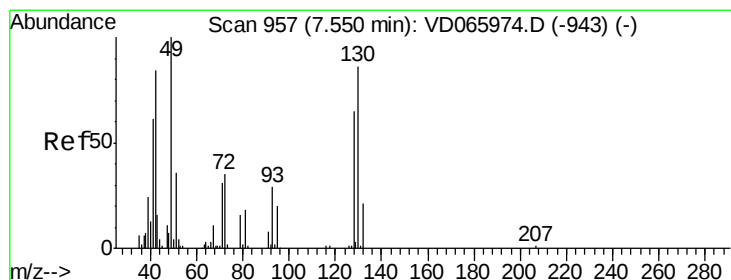
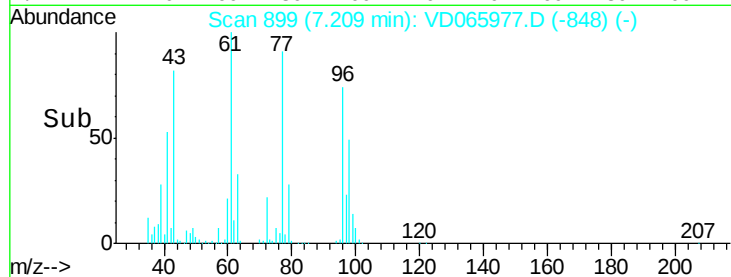
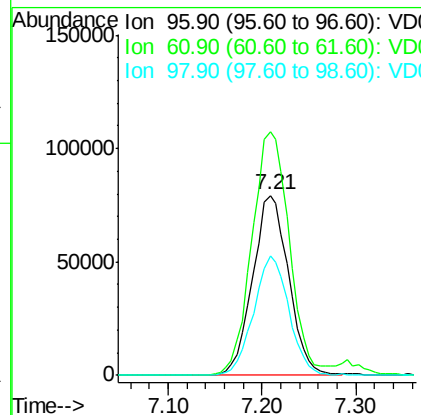
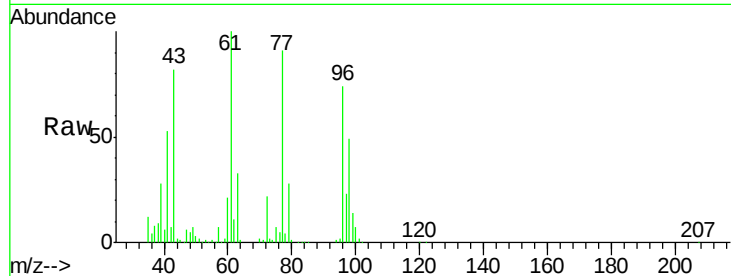
cis-1,2-Dichloroethene
 Concen: 52.558 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD065977.D
 Acq: 21 Jul 2020 13:45

Instrument :
 MSVOA_D
 ClientSampled :
 ICVVD072120

Tot Ion	Ratio	Resp	Lower	Upper
96	100	210495		
61	140.8	0.0	276.6	
98	64.9	0.0	130.8	

Manual Integrations
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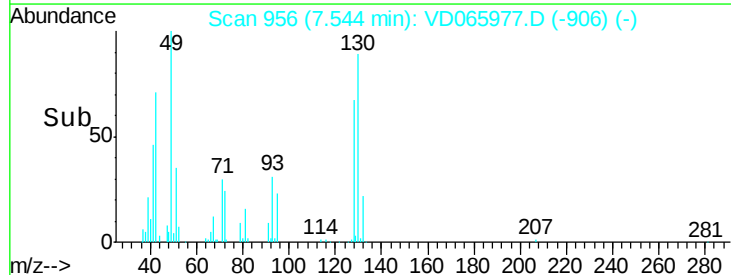
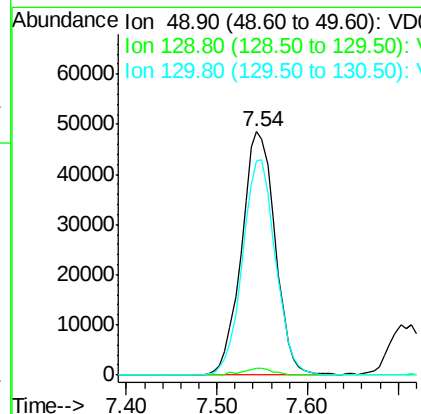
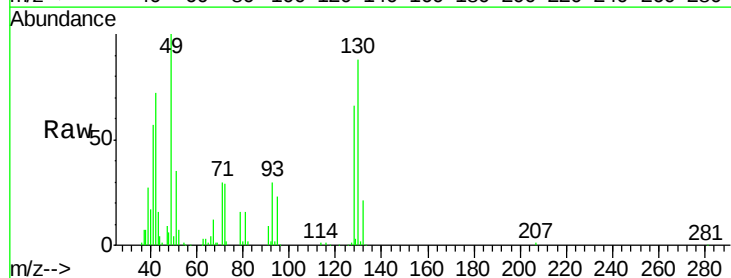
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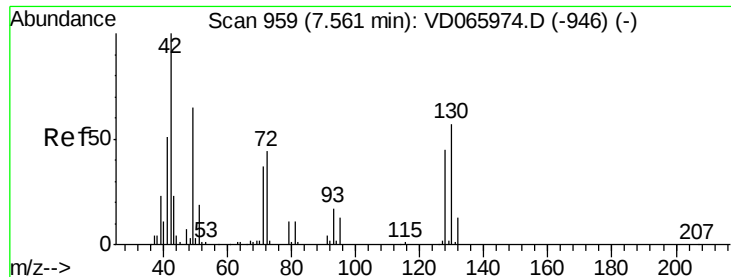


#28

Bromochloromethane
 Concen: 48.849 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD065977.D
 Acq: 21 Jul 2020 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	124863		
129	2.6	0.0	4.8	
130	86.9	68.4	102.6	





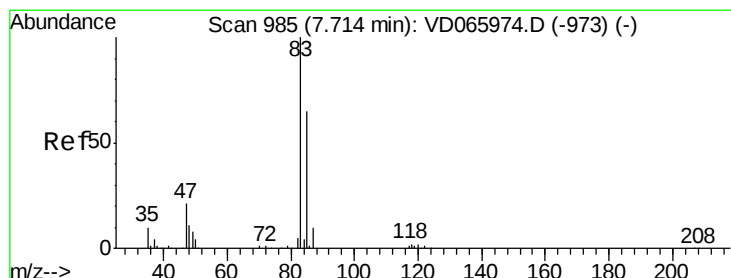
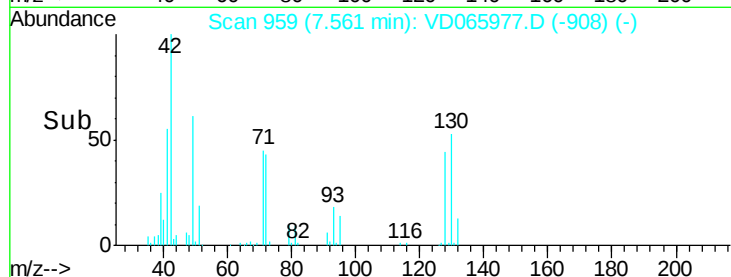
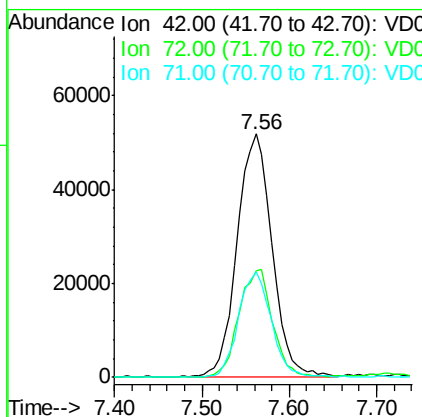
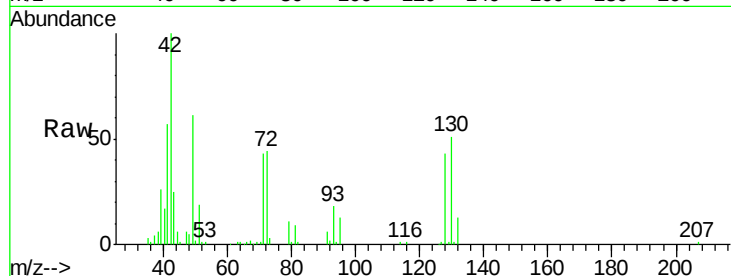
#29
Tetrahydrofuran
Concen: 258.487 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072120

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	40.3	31.4	47.2

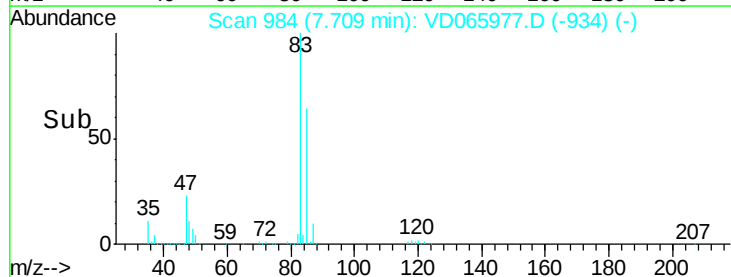
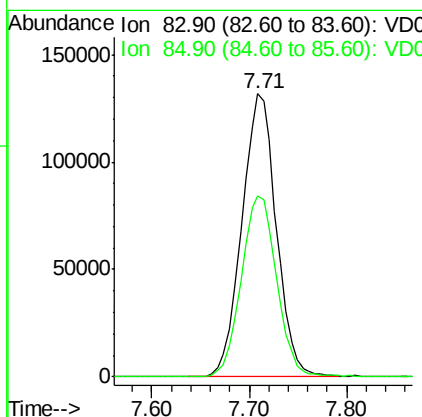
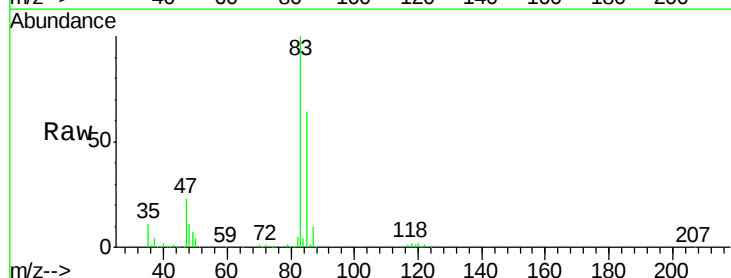
Manual Integrations
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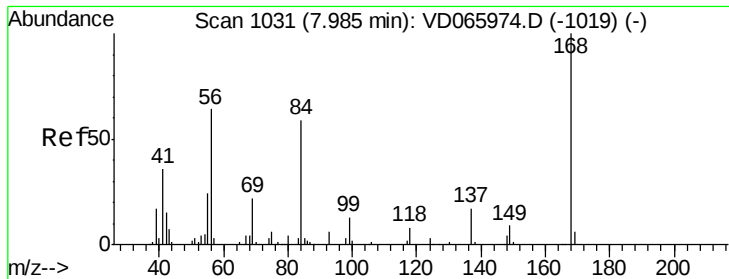
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#30
Chloroform
Concen: 51.745 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.1	78.1





#31

Cyclohexane

Concen: 52.266 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065977.D

Acq: 21 Jul 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072120

Tot Ion: 56 Resp: 309672

Ion Ratio Lower Upper

56 100

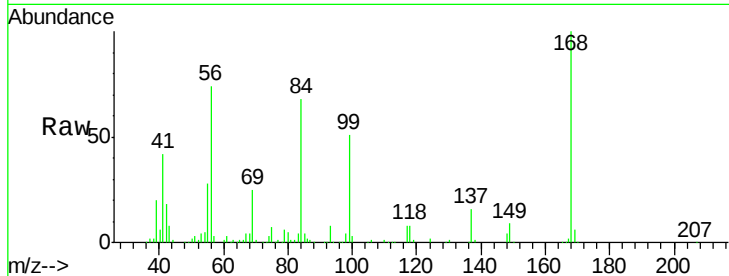
69 33.9 28.0 42.0

84 91.4 72.6 109.0

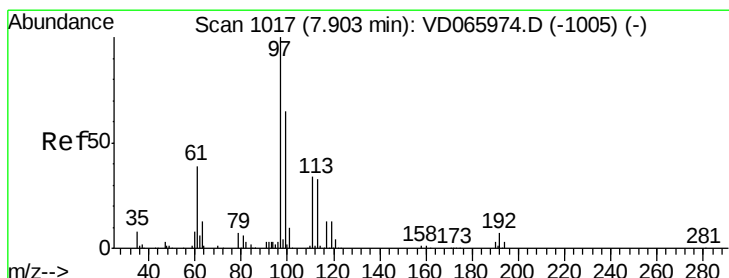
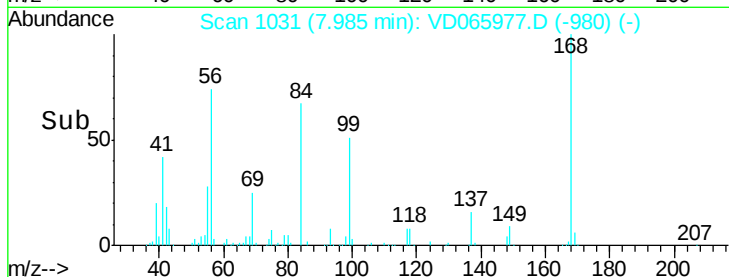
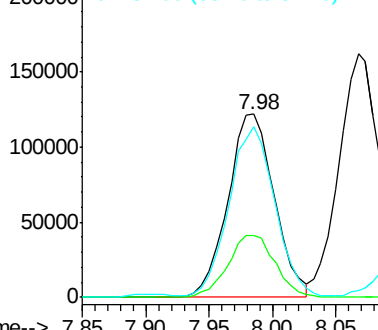
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 53.815 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VD065977.D

Acq: 21 Jul 2020 13:45

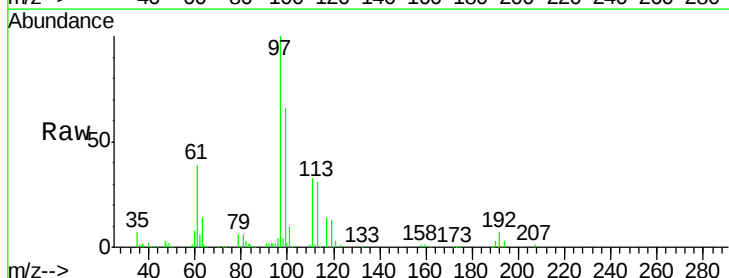
Tgt Ion: 97 Resp: 313590

Ion Ratio Lower Upper

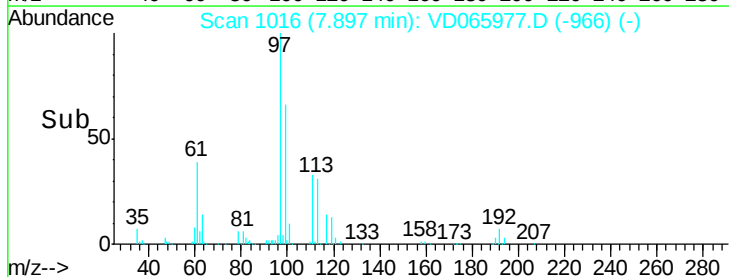
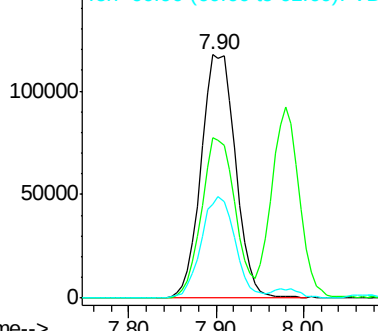
97 100

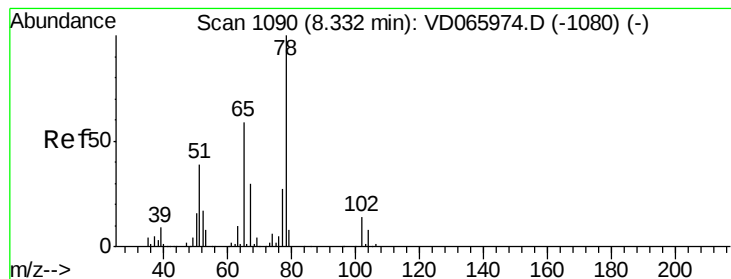
99 64.8 51.8 77.6

61 41.0 33.3 49.9



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





#33

1,2-Dichloroethane-d4

Concen: 49.797 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD065977.D

Acq: 21 Jul 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072120

Tot Ion: 65 Resp: 164019

Ion Ratio Lower Upper

65 100

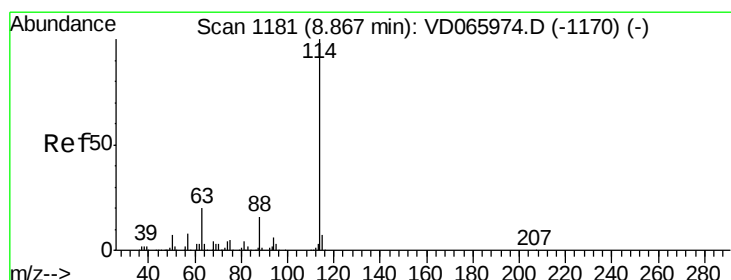
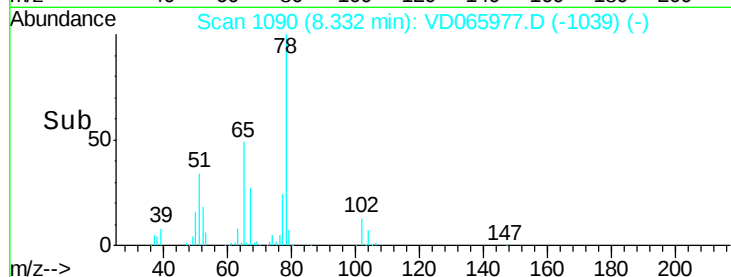
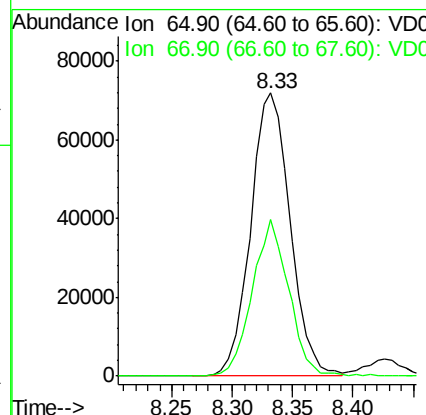
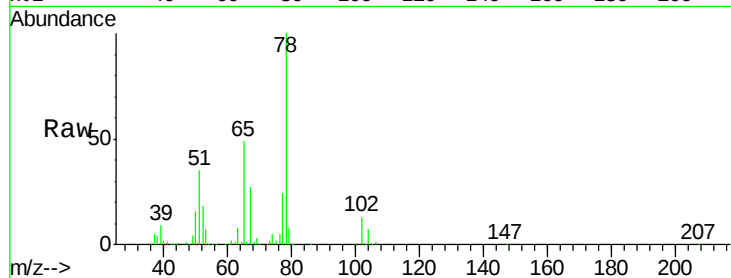
67 51.3 0.0 105.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065977.D

Acq: 21 Jul 2020 13:45

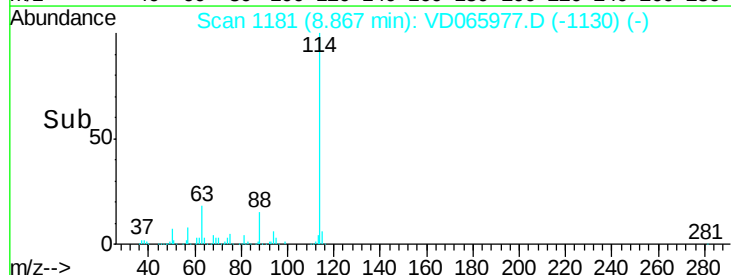
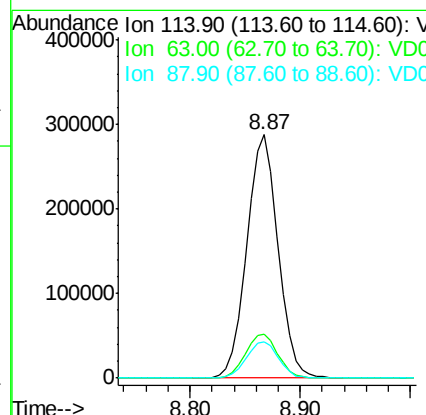
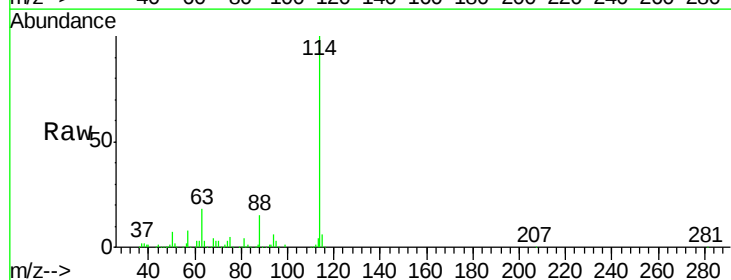
Tgt Ion: 114 Resp: 572821

Ion Ratio Lower Upper

114 100

63 18.0 0.0 39.6

88 15.0 0.0 31.2





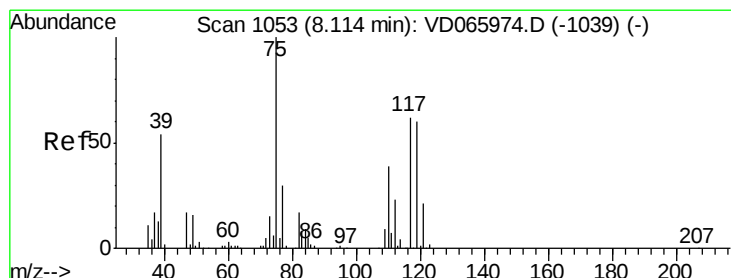
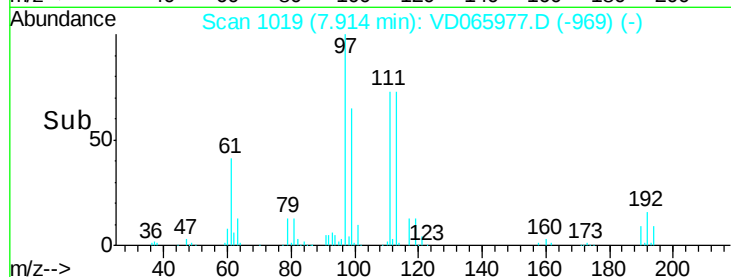
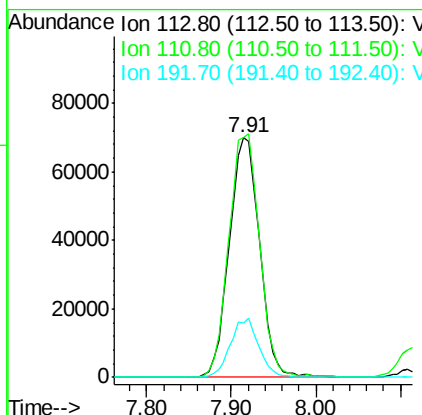
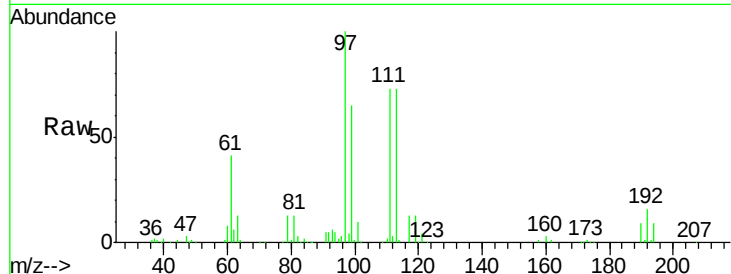
#35
 Dibromofluoromethane
 Concen: 49.846 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065977.D
 Acq: 21 Jul 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072120

Tot Ion	Ratio	Resp	Lower	Upper
113	100	173182		
111	103.2	83.2	124.8	
192	23.0	18.7	28.1	

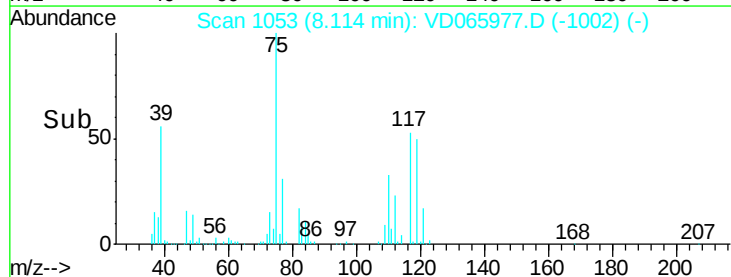
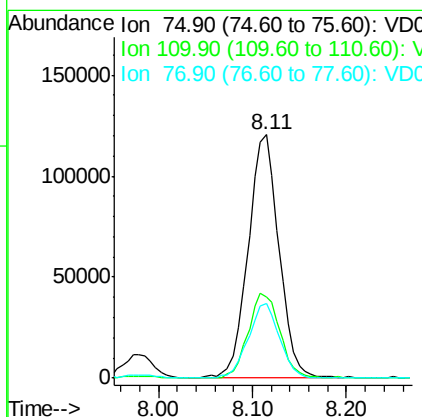
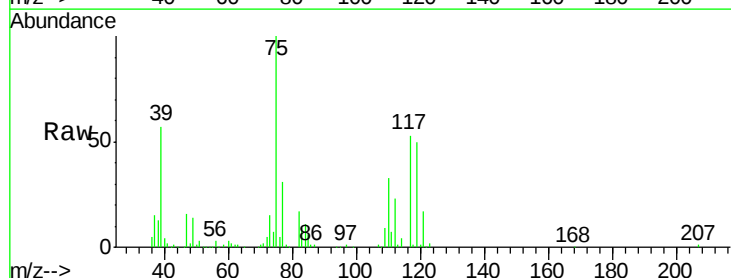
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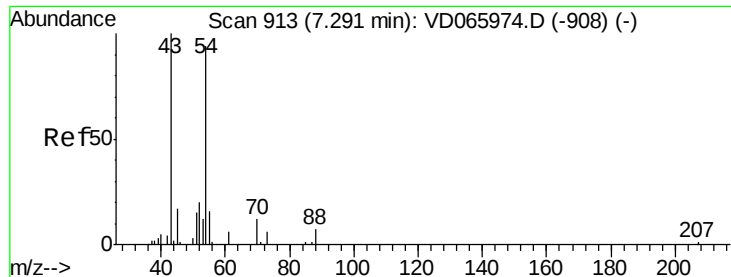
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#36
 1,1-Dichloropropene
 Concen: 55.652 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065977.D
 Acq: 21 Jul 2020 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	272067		
110	36.0	19.5	58.5	
77	31.3	24.7	37.1	





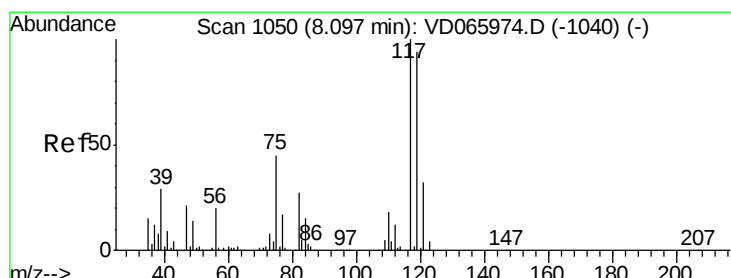
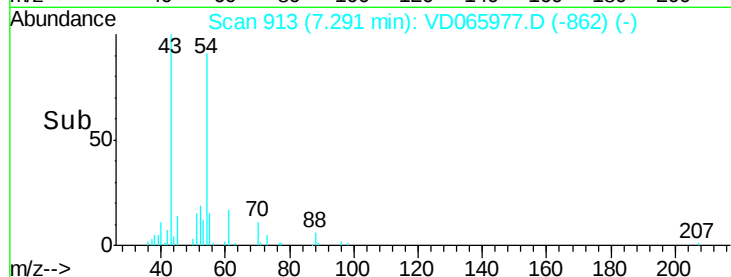
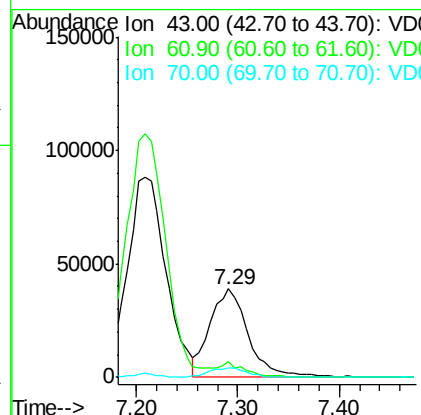
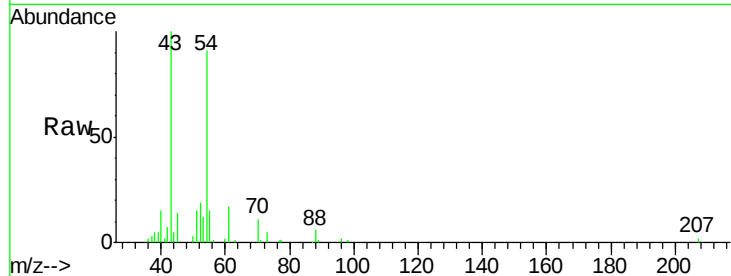
#37
Ethyl Acetate
Concen: 53.830 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072120

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.1	11.4	17.0#
70	10.9	9.3	13.9

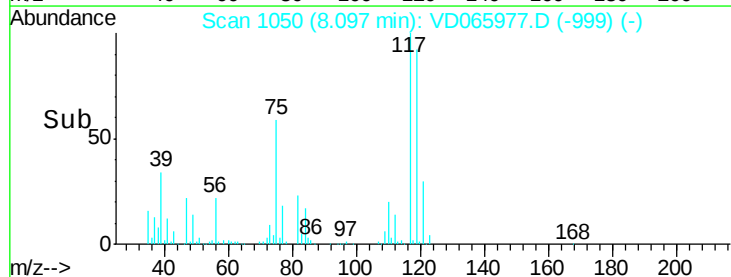
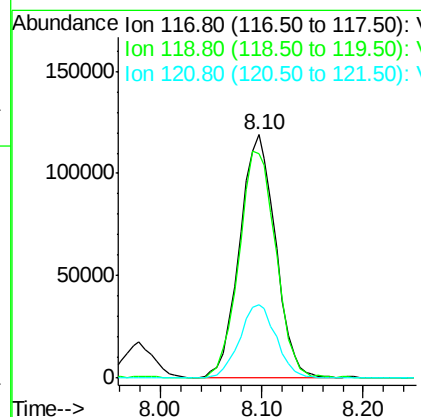
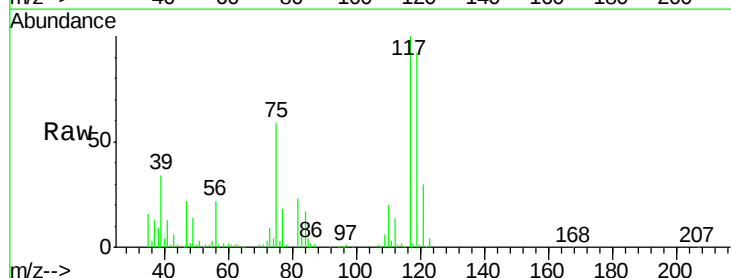
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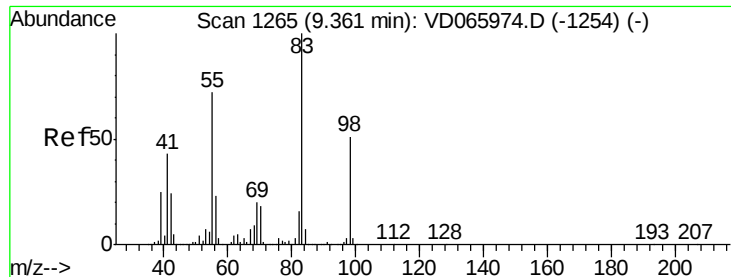
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#38
Carbon Tetrachloride
Concen: 54.943 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.3	75.0	112.6
121	30.0	25.5	38.3





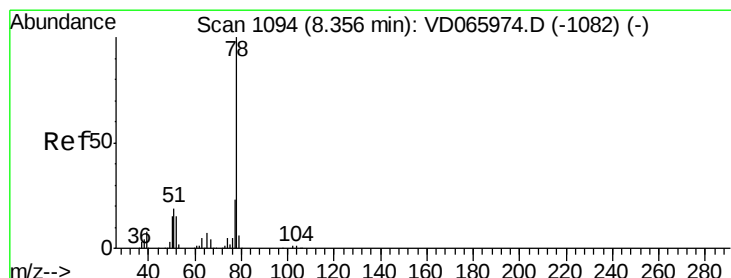
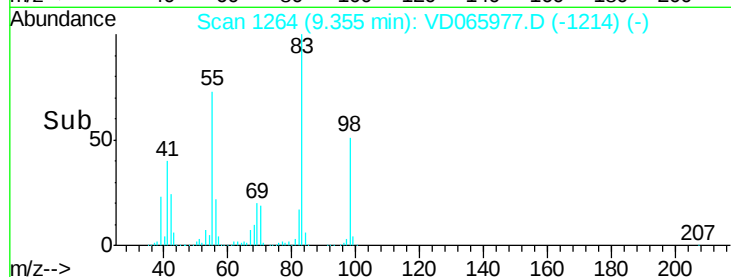
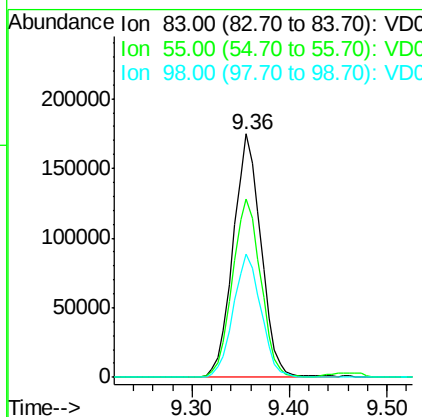
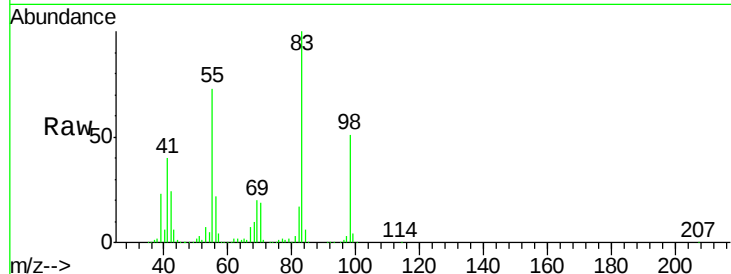
#39
Methvlcvclohexane
Concen: 58.655 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072120

Tot Ion	Ratio	Resp	Lower	Upper
83	100	347255		
55	73.1		57.3	85.9
98	50.9		41.0	61.6

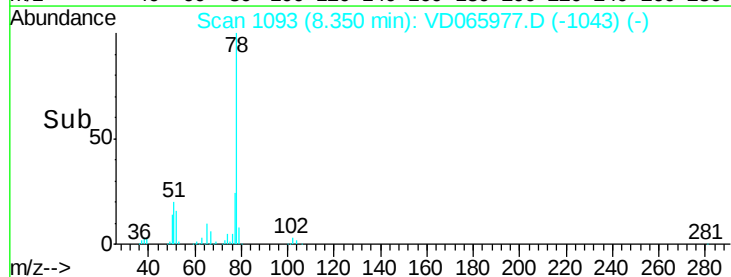
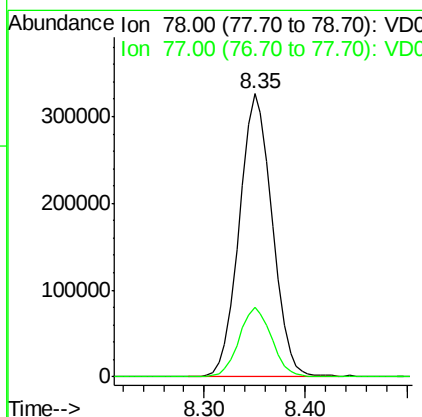
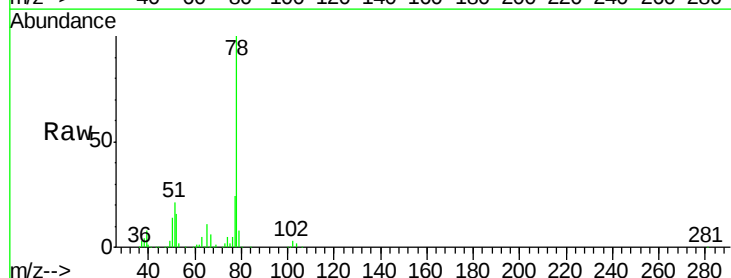
Manual Integrations
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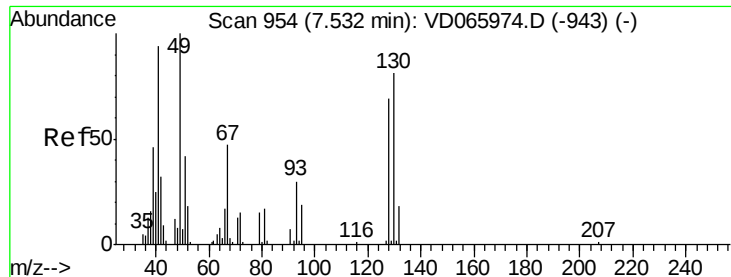
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#40
Benzene
Concen: 53.763 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	735319		
77	24.4		18.6	27.8





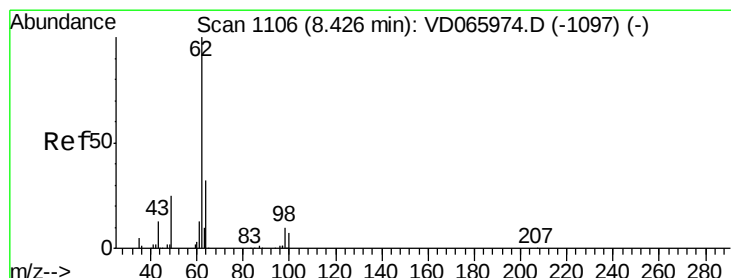
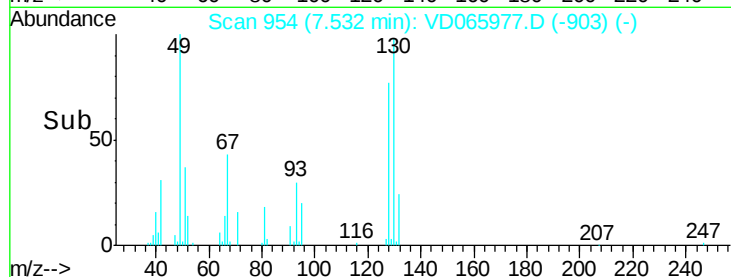
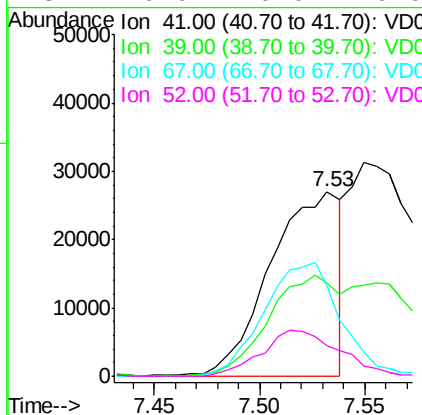
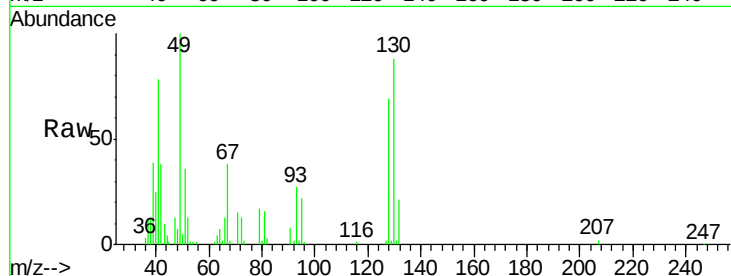
#41
Methacrylonitrile
Concen: 58.936 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072120

Tot Ion	Ratio	Resp	Lower	Upper
41	100	63034		
39	0.0	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0

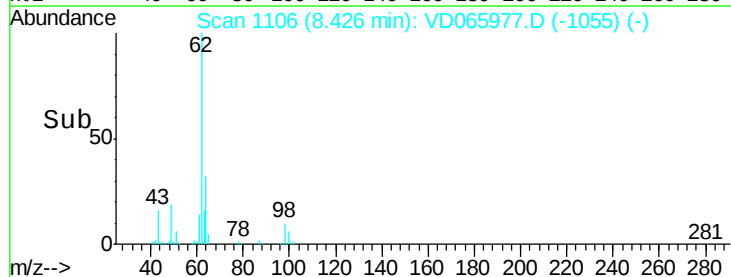
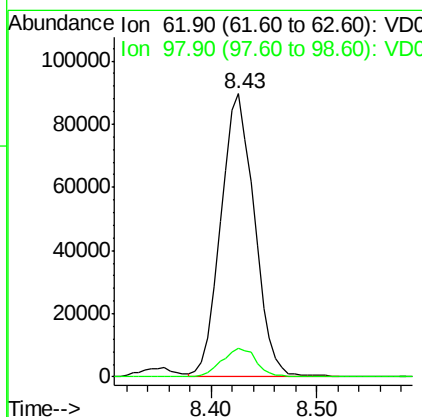
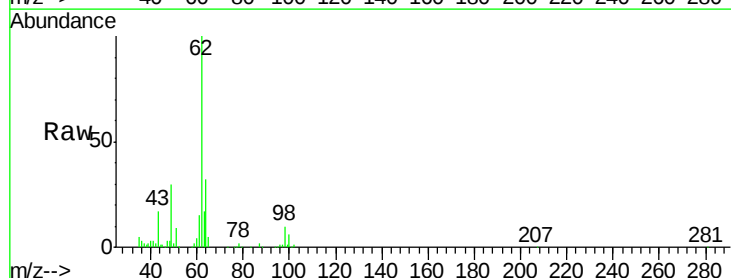
Manual Integrations
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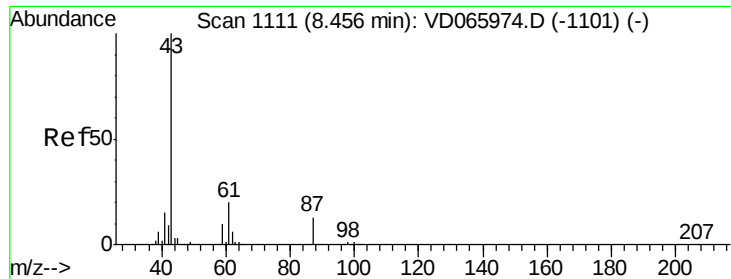
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#42
1,2-Dichloroethane
Concen: 52.674 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	197413		
98	10.2	0.0	0.0	21.0





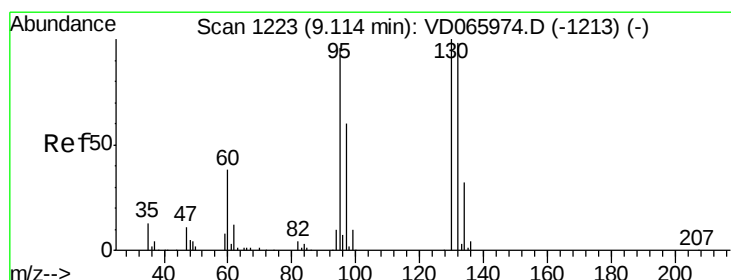
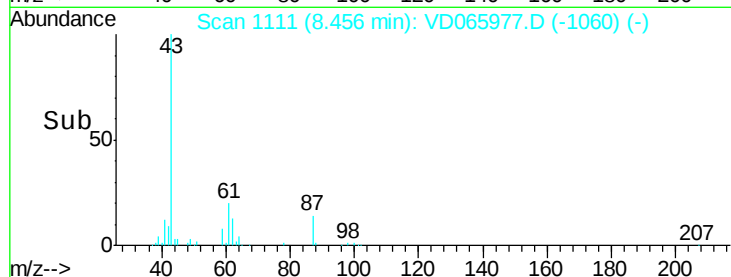
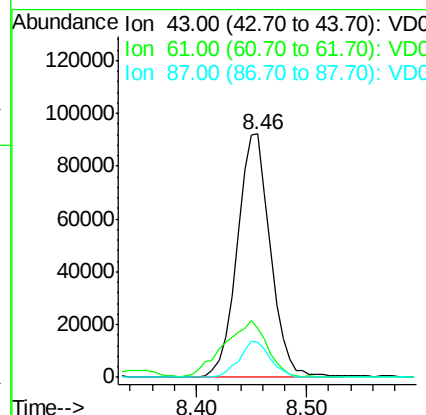
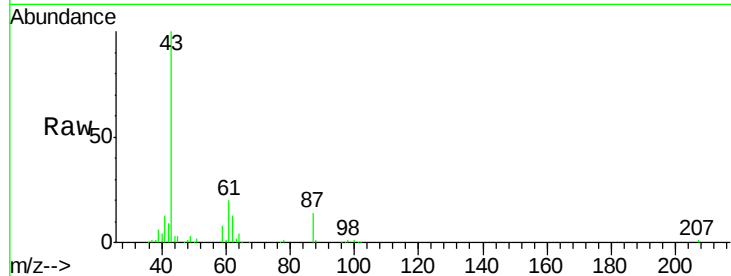
#43
Isopropyl Acetate
Concen: 53.456 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072120

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.6	25.8	38.8
87	13.9	10.9	16.3

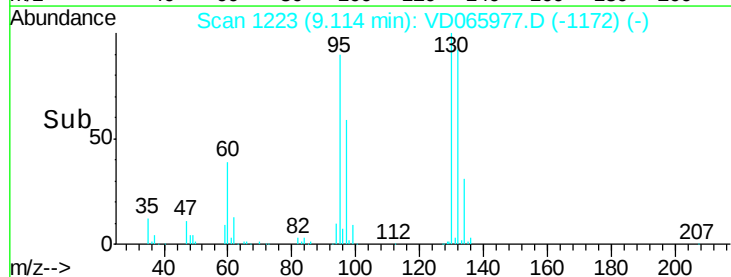
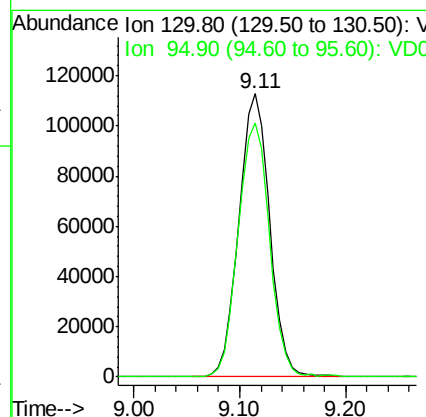
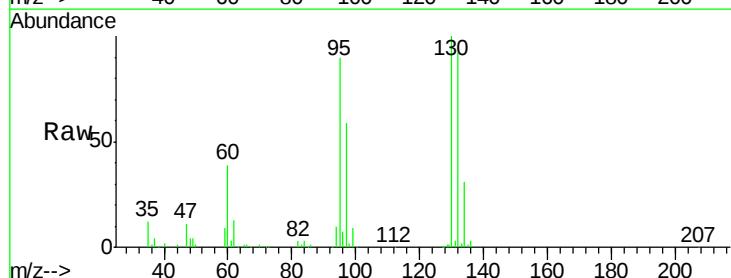
Manual Integrations
APPROVED

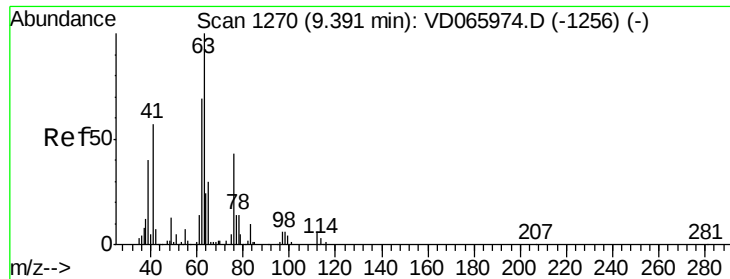
MMDadoda
7/22/2020 2:44:29 PM



#44
Trichloroethene
Concen: 55.102 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.6	0.0	191.6





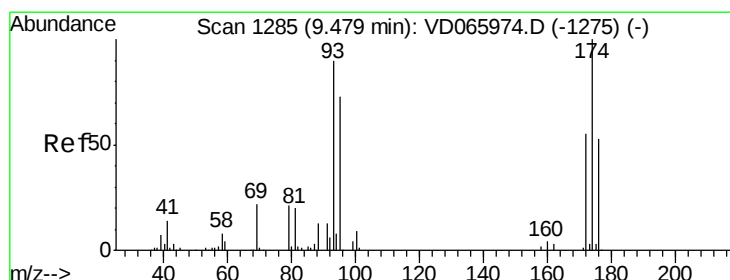
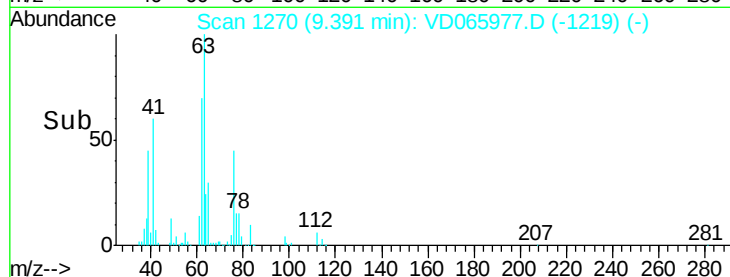
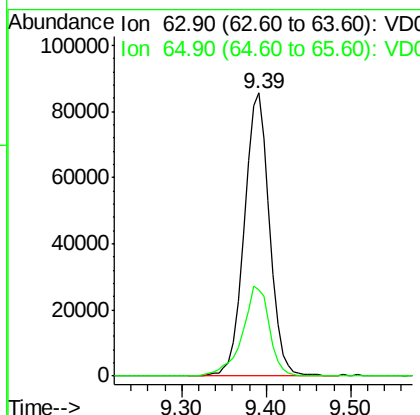
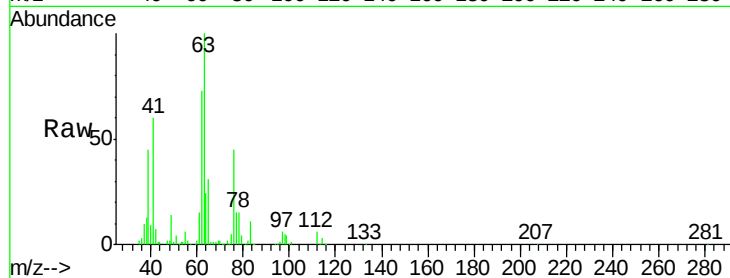
#45
 1,2-Dichloropropane
 Concen: 53.593 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065977.D
 Acq: 21 Jul 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072120

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.0	36.0

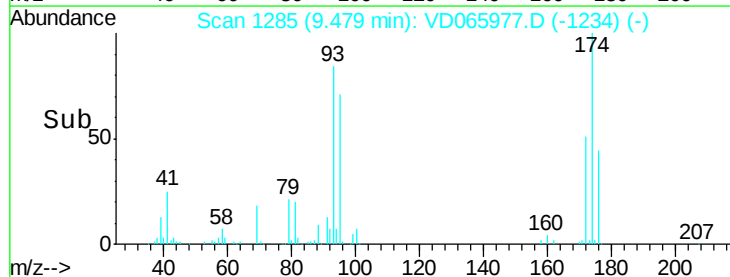
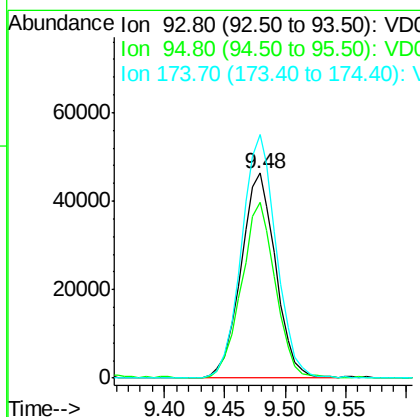
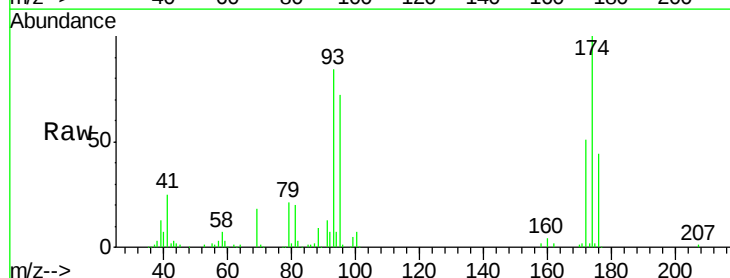
Manual Integrations
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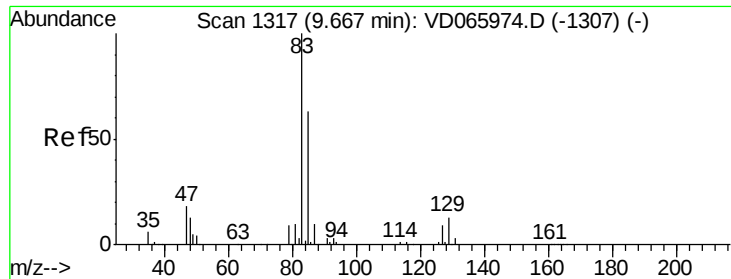
MMDadoda
 7/22/2020 2:44:29 PM



#46
 Dibromomethane
 Concen: 52.159 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065977.D
 Acq: 21 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	66.2	99.4
174	118.8	91.5	137.3





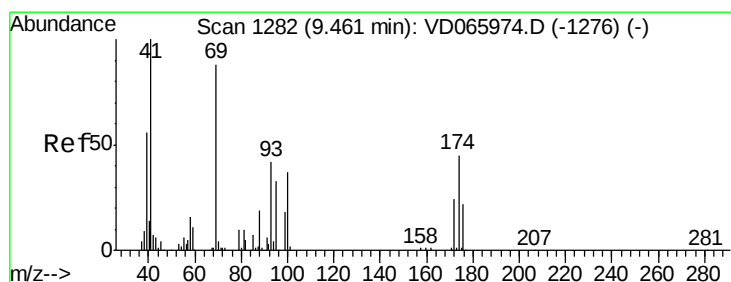
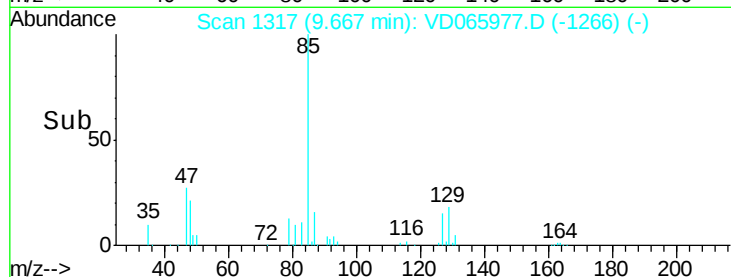
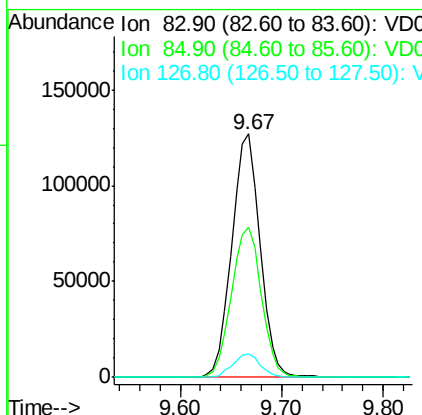
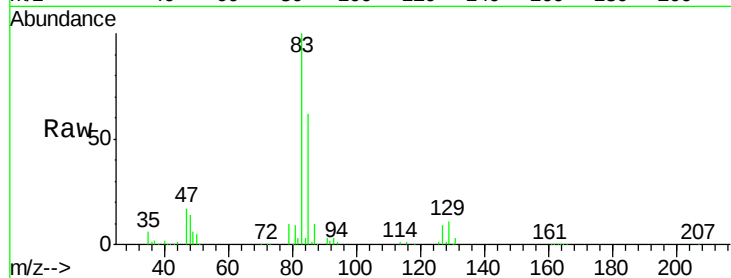
#47
Bromodichloromethane
Concen: 52.451 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072120

Tot Ion	83	Resp	247306
Ion Ratio	100	Lower	Upper
83	100		
85	61.8	50.6	75.8
127	9.5	7.1	10.7

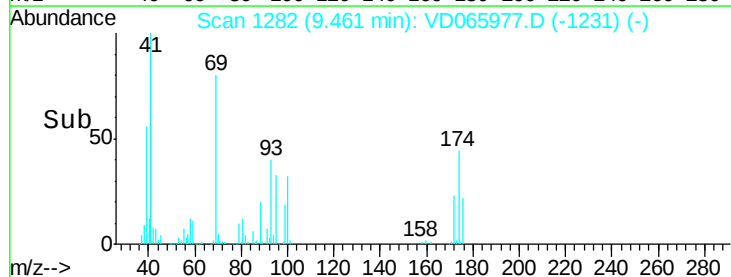
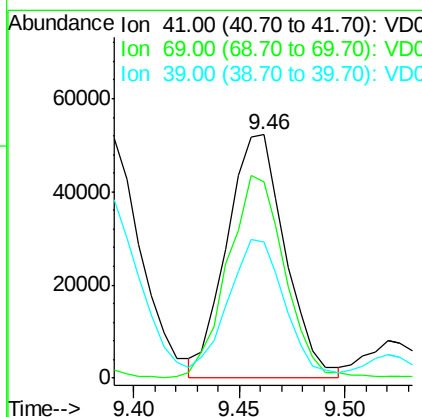
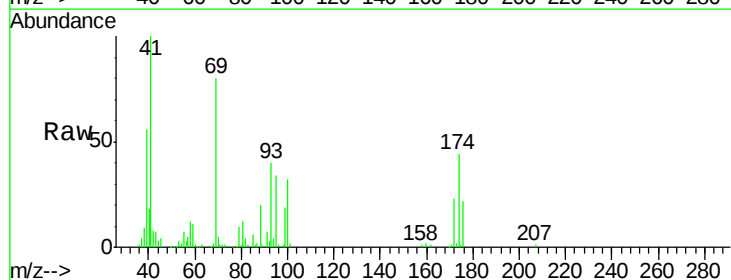
Manual Integrations
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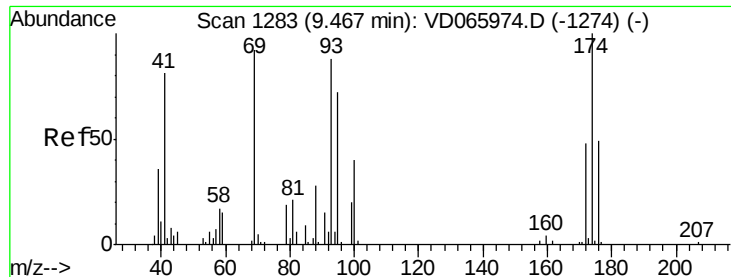
MMDadoda
7/22/2020 2:44:29 PM



#48
Methyl methacrylate
Concen: 54.044 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Tgt Ion	41	Resp	99409
Ion Ratio	100	Lower	Upper
41	100		
69	80.8	65.1	97.7
39	51.5	41.5	62.3





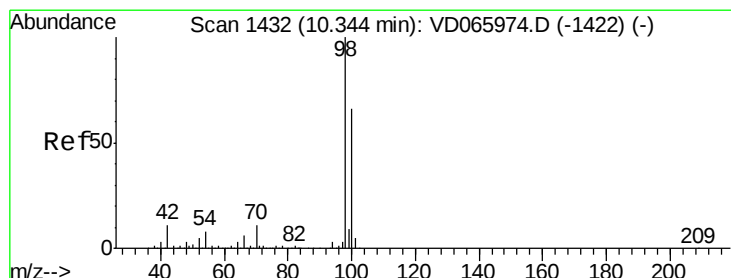
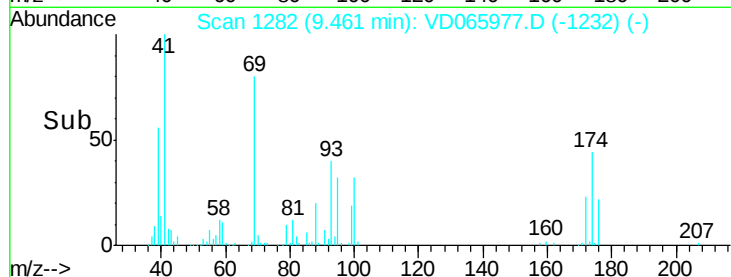
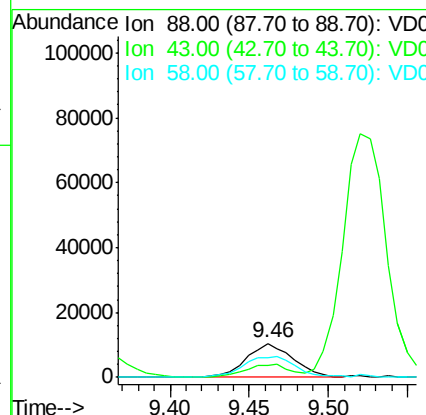
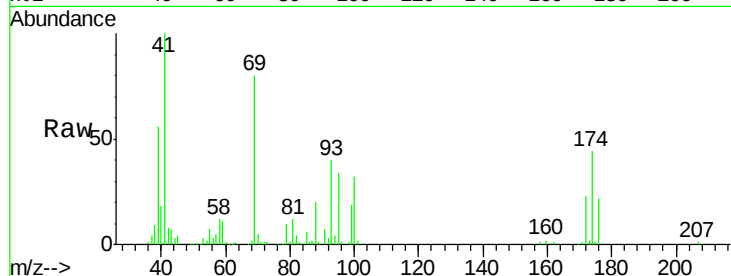
#49
1,4-Dioxane
Concen: 1041.656 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072120

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	29.0	43.6
58	66.9	57.0	85.4

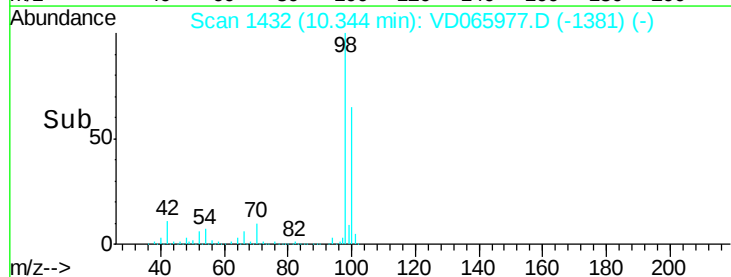
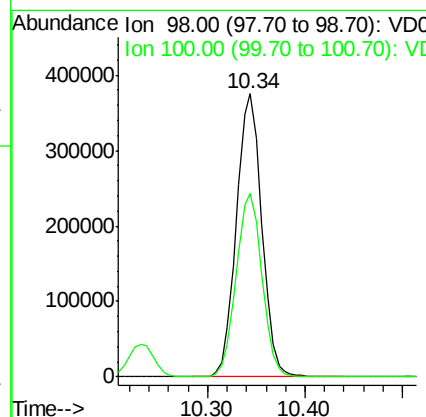
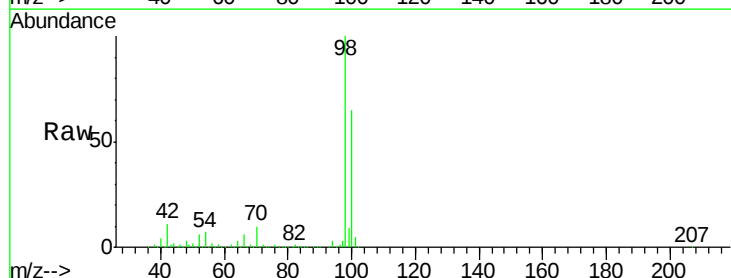
Manual Integrations
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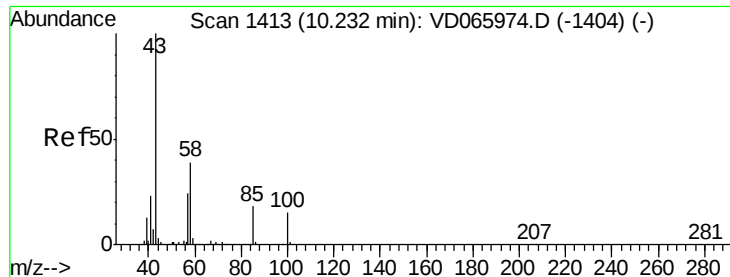
MMDadoda
7/22/2020 2:44:29 PM



#50
Toluene-d8
Concen: 52.380 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 270.733 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065977.D

Acq: 21 Jul 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072120

Tot Ion: 43 Resp: 497427

Ion Ratio Lower Upper

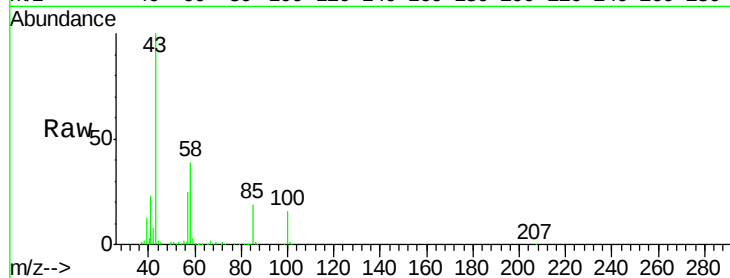
43 100

58 38.8 31.3 46.9

Manual Integrations
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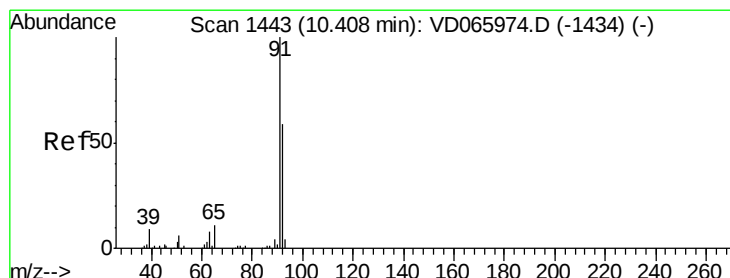
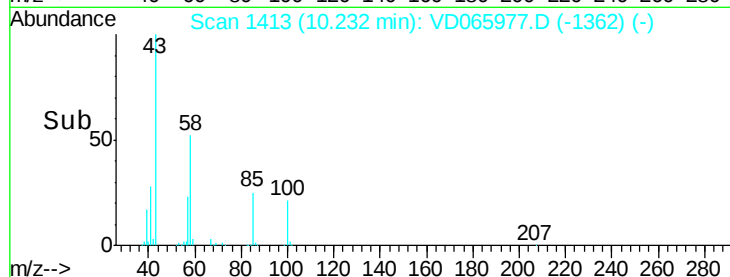
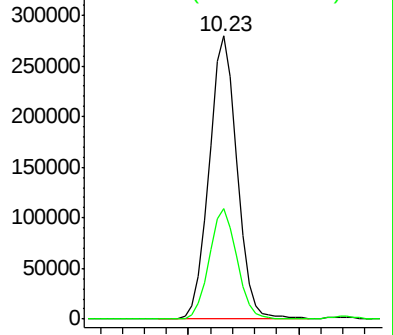
MMDadoda

7/22/2020 2:44:29 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 54.902 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065977.D

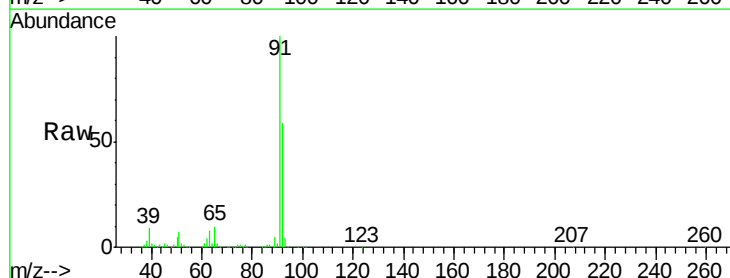
Acq: 21 Jul 2020 13:45

Tgt Ion: 92 Resp: 489690

Ion Ratio Lower Upper

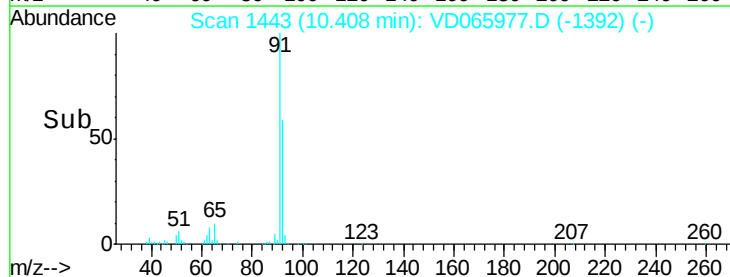
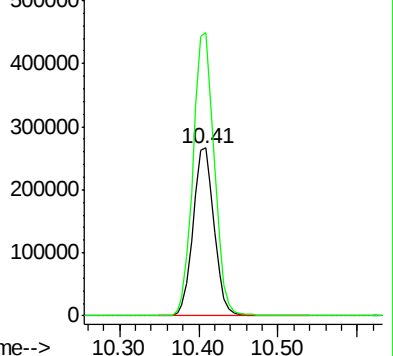
92 100

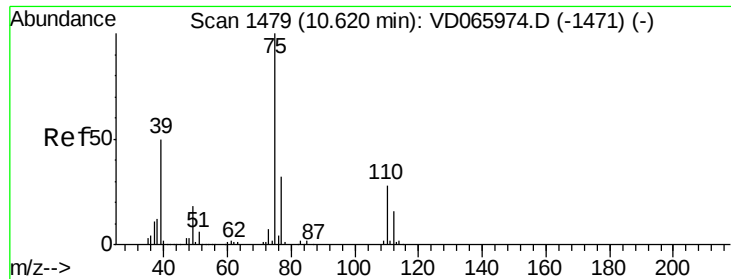
91 169.8 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





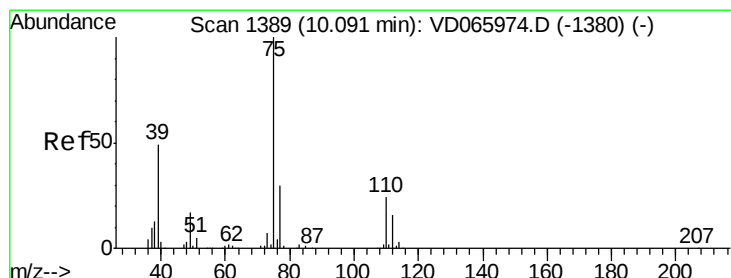
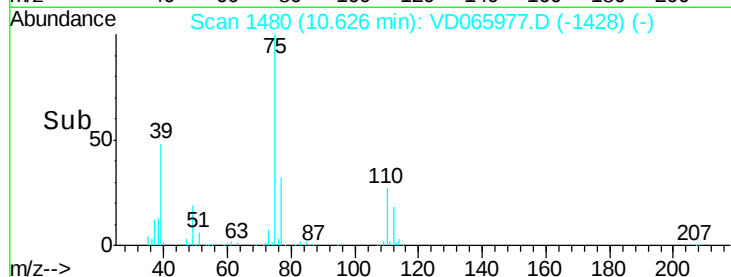
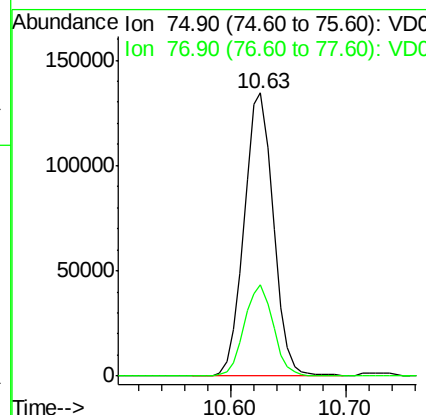
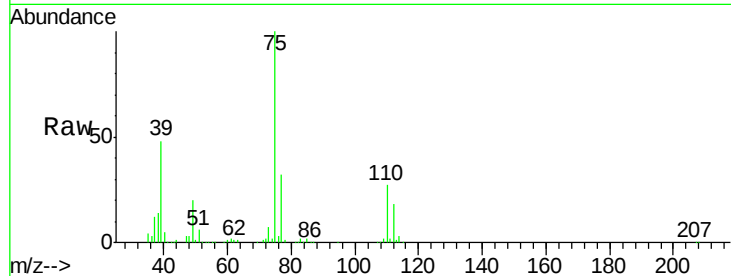
#53
t-1,3-Dichloropropene
Concen: 53.988 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072120

Tot Ion: 75 Resp: 237152
Ion Ratio Lower Upper
75 100
77 32.1 25.8 38.6

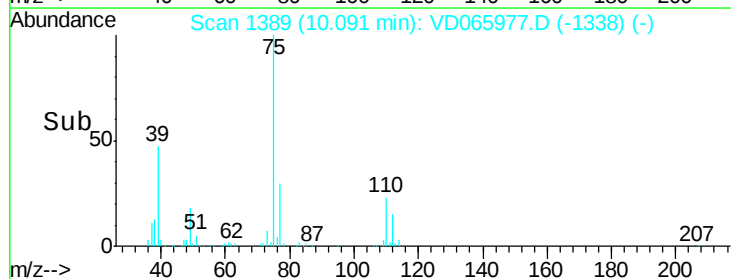
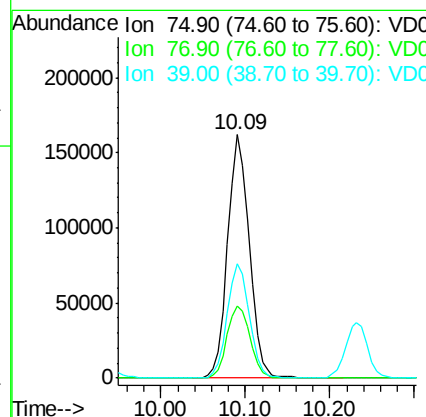
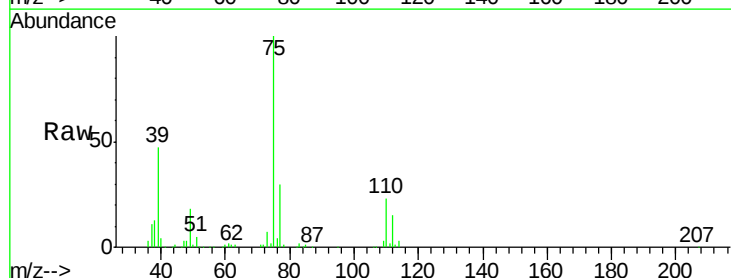
Manual Integrations
APPROVED

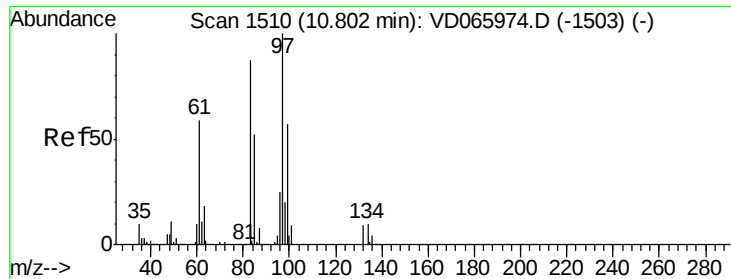
MMDadoda
7/22/2020 2:44:29 PM



#54
cis-1,3-Dichloropropene
Concen: 54.036 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Tgt Ion: 75 Resp: 287729
Ion Ratio Lower Upper
75 100
77 29.7 23.8 35.8
39 47.0 38.8 58.2





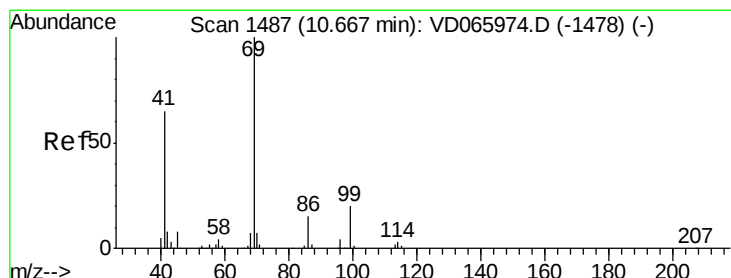
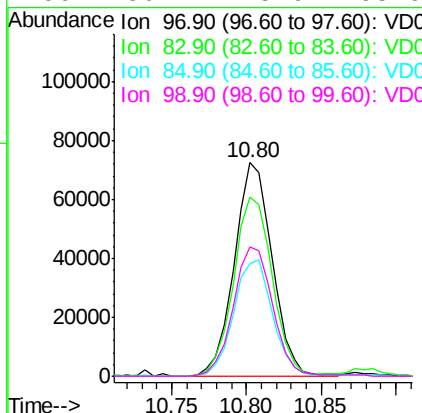
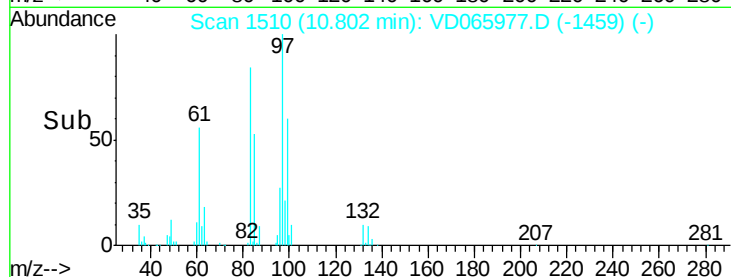
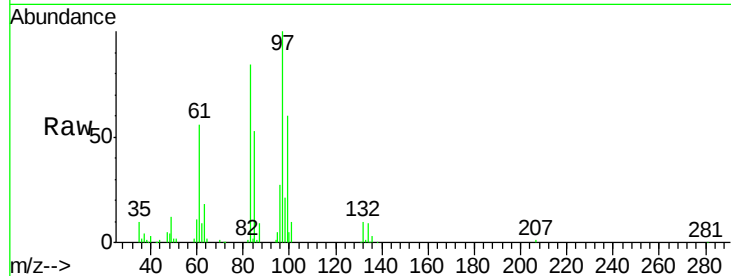
#55
 1,1,2-Trichloroethane
 Concen: 50.726 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065977.D
 Acq: 21 Jul 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072120

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		128287		
83	83.6	69.7	104.5		
85	52.7	41.6	62.4		
99	60.2	45.9	68.9		

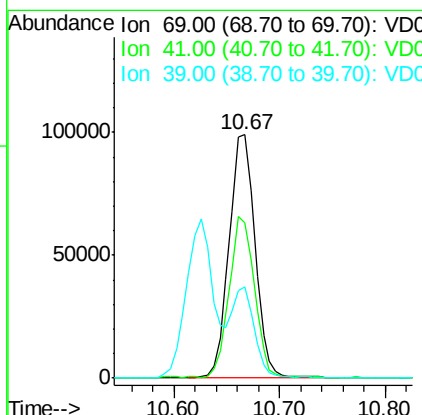
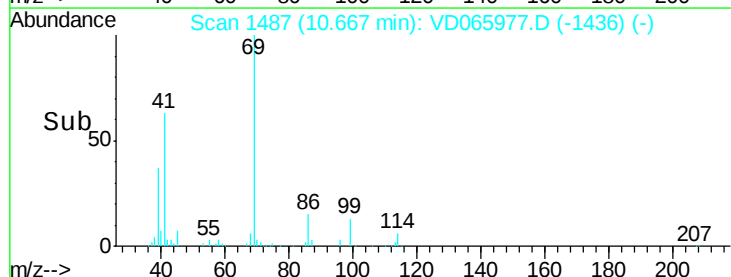
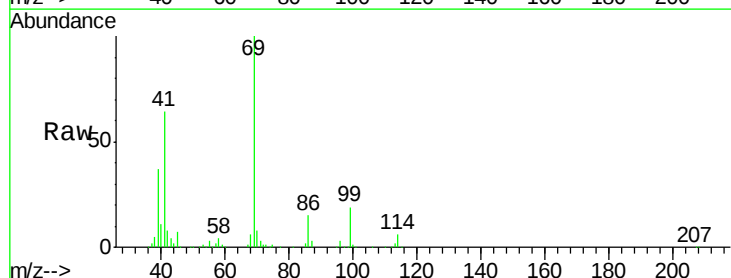
Manual Integrations
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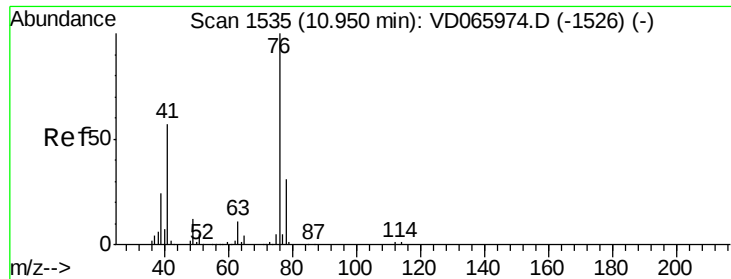
MMDadoda
 7/22/2020 2:44:29 PM



#56
 Ethyl methacrylate
 Concen: 57.327 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065977.D
 Acq: 21 Jul 2020 13:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		168563		
41	64.5	52.3	78.5		
39	31.5	25.2	37.8		





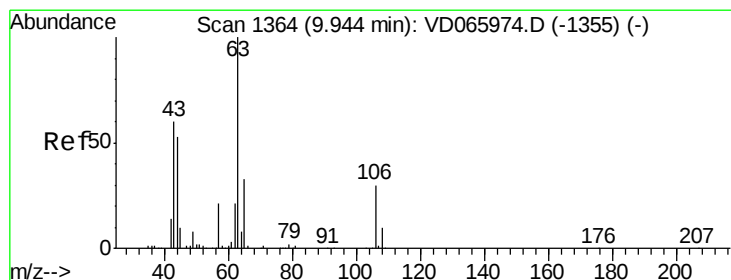
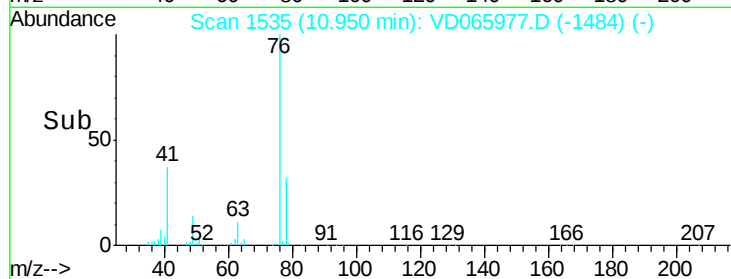
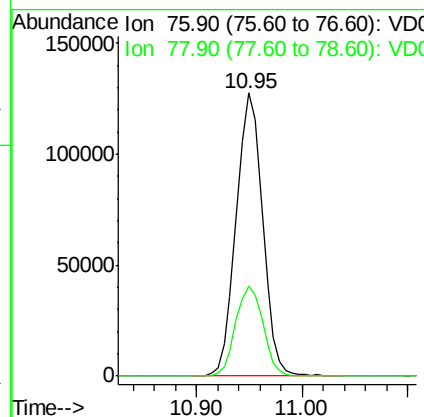
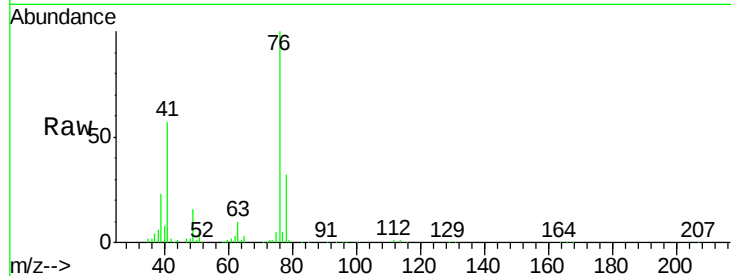
#57
 1,3-Dichloropropane
 Concen: 52.798 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065977.D
 Acq: 21 Jul 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072120

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.6	38.4

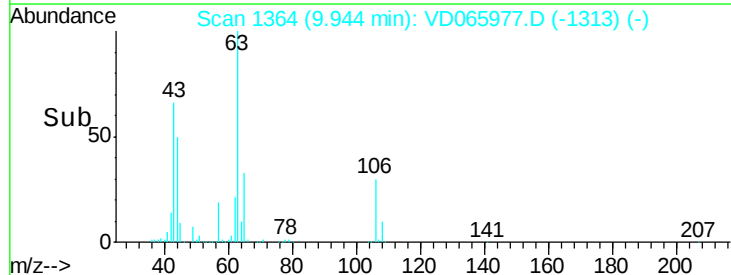
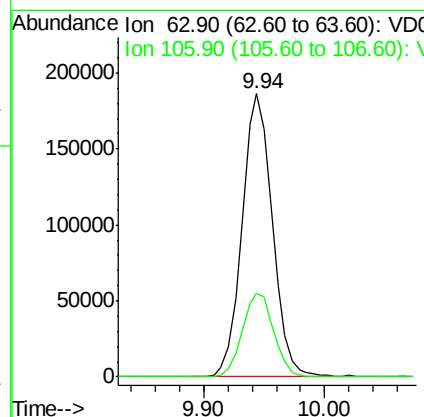
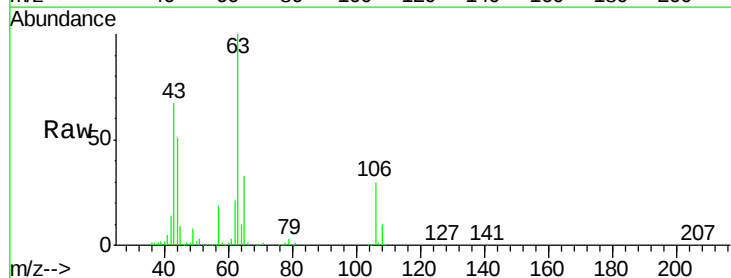
Manual Integrations
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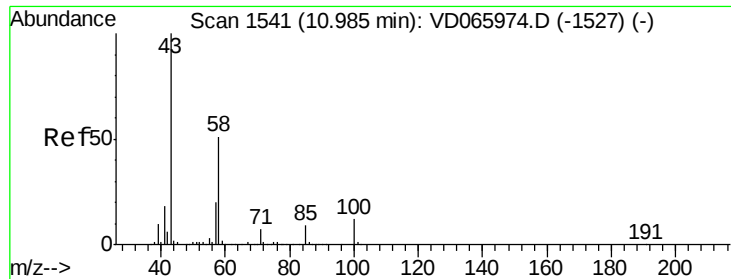
MMDadoda
 7/22/2020 2:44:29 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 231.976 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065977.D
 Acq: 21 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.6	24.4	36.6





#59

2-Hexanone

Concen: 283.758 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. 0.01 min

Lab File: VD065977.D

Acq: 21 Jul 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072120

Tot Ion: 43 Resp: 361295

Ion Ratio Lower Upper

43 100

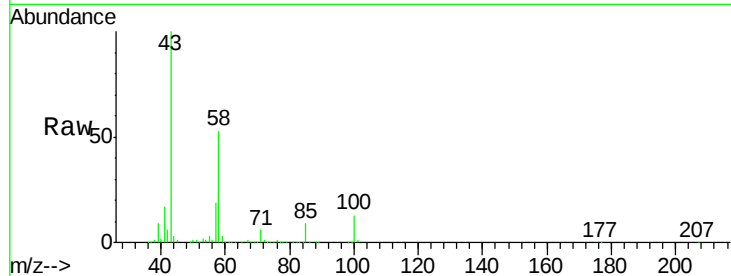
58 53.8 26.2 78.6

Manual Integrations

APPROVED

MMDadoda

7/22/2020 2:44:29 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

250000

200000

150000

100000

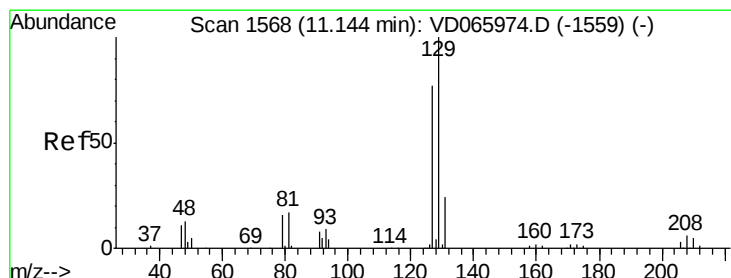
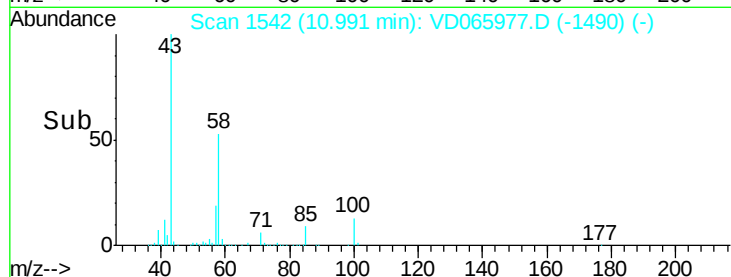
50000

0

10.90

11.00

Time-->



#60

Dibromochloromethane

Concen: 51.597 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD065977.D

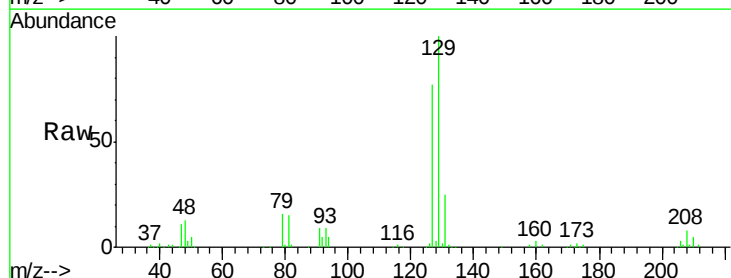
Acq: 21 Jul 2020 13:45

Tgt Ion:129 Resp: 175942

Ion Ratio Lower Upper

129 100

127 78.4 38.6 115.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

100000

80000

60000

40000

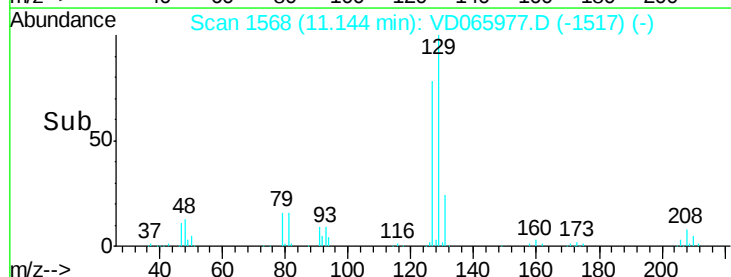
20000

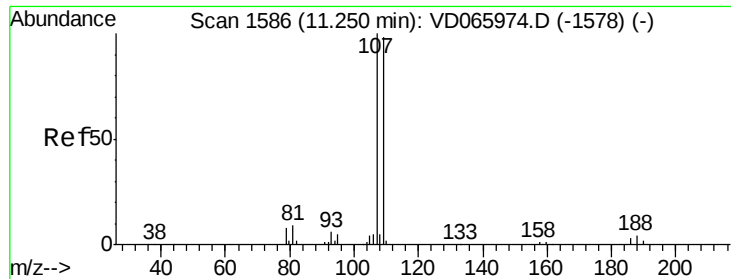
0

11.10

11.20

Time-->





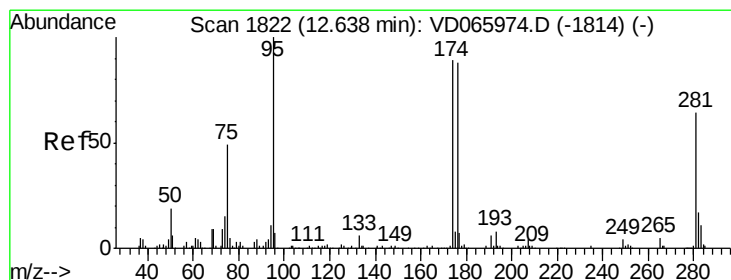
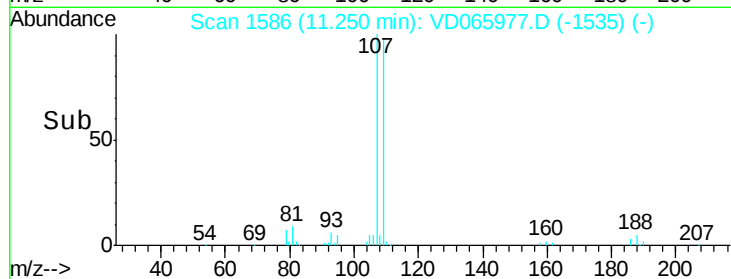
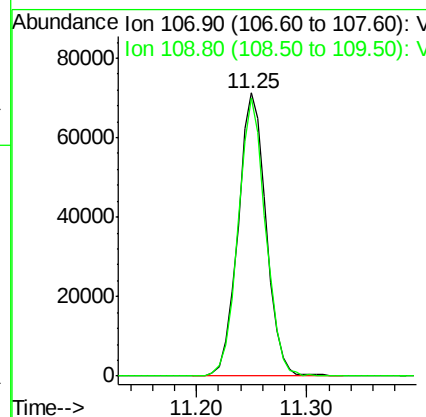
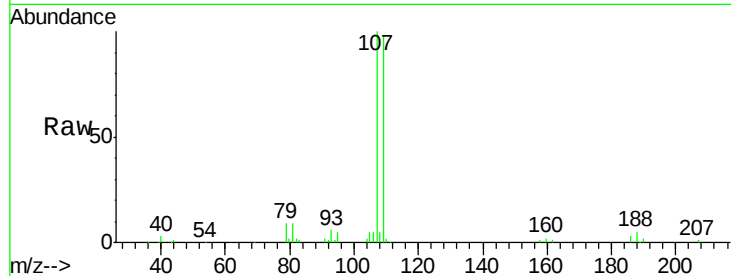
#61
 1,2-Dibromoethane
 Concen: 51.908 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065977.D
 Acq: 21 Jul 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072120

Tot Ion	Ratio	Resp	Lower	Upper
107	100	126575		
109	96.4	75.0	112.4	

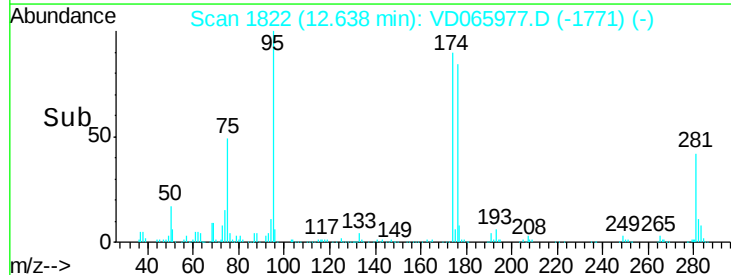
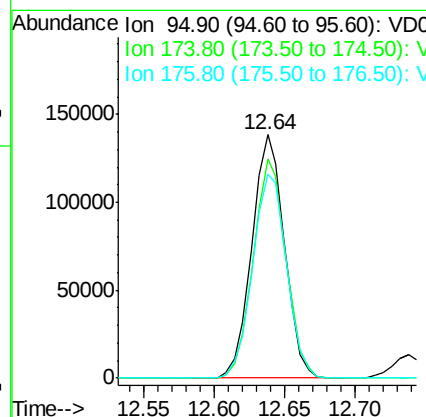
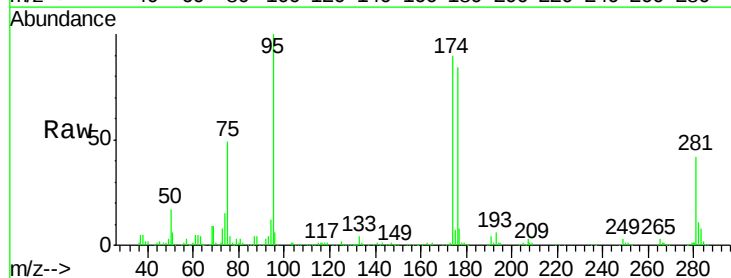
Manual Integrations
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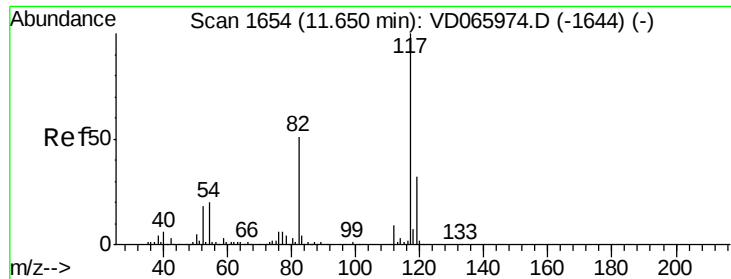
MMDadoda
 7/22/2020 2:44:29 PM



#62
 4-Bromofluorobenzene
 Concen: 49.978 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065977.D
 Acq: 21 Jul 2020 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	224289		
174	90.6	0.0	178.8	
176	87.9	0.0	172.6	





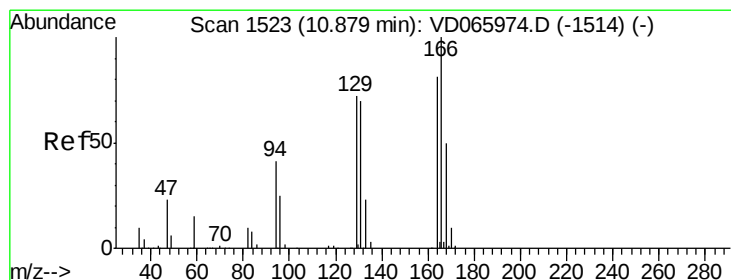
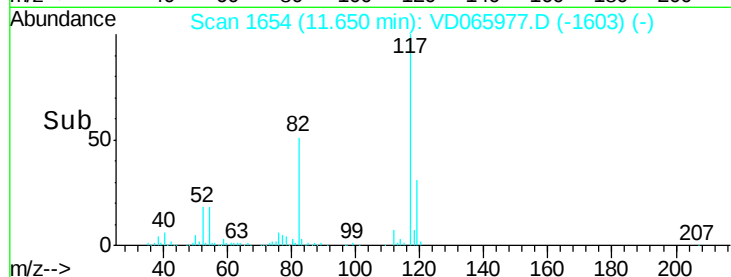
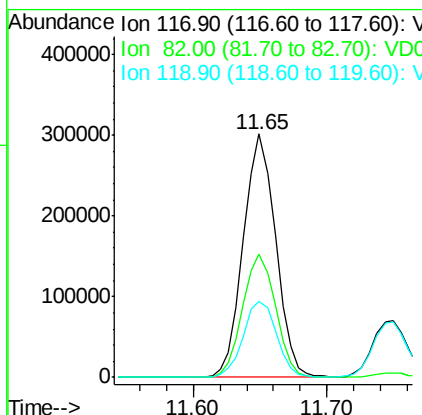
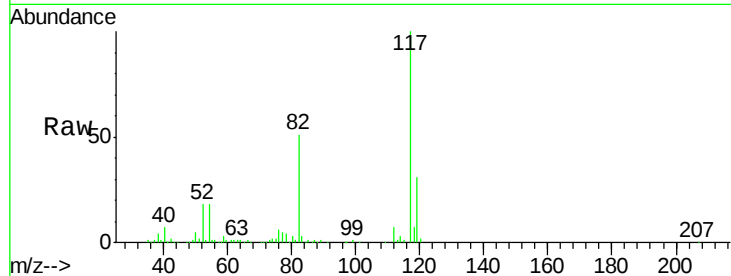
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072120

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	50.6	41.1	61.7
119	31.0	25.9	38.9

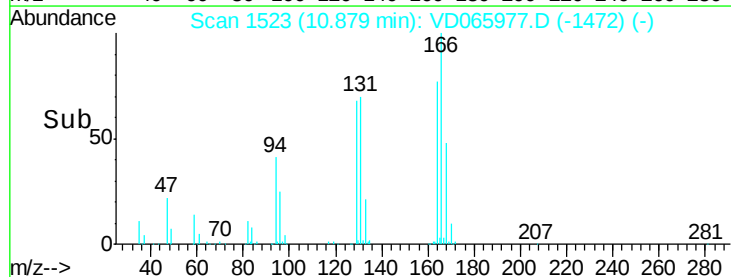
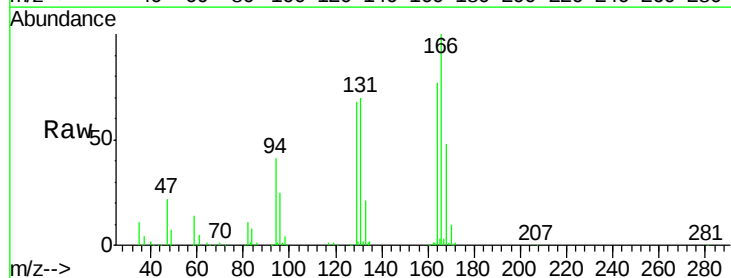
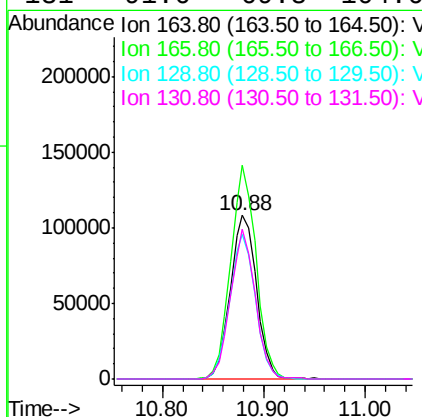
Manual Integrations
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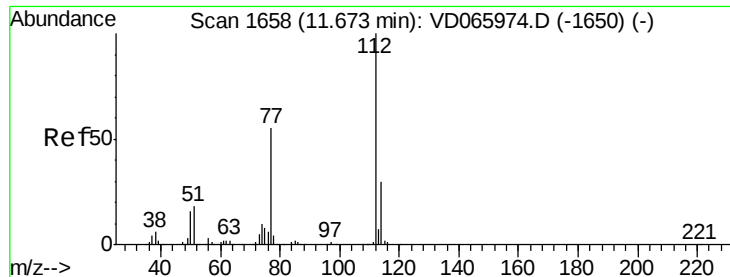
MMDadoda
7/22/2020 2:44:29 PM



#64
Tetrachloroethene
Concen: 56.688 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	130.6	99.1	148.7
129	88.5	71.5	107.3
131	91.6	69.8	104.6





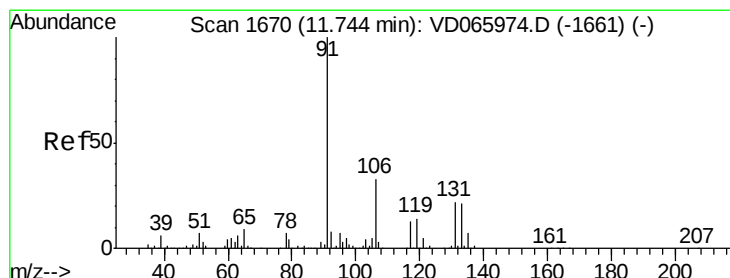
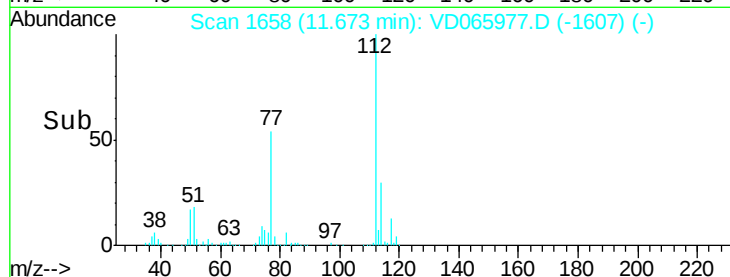
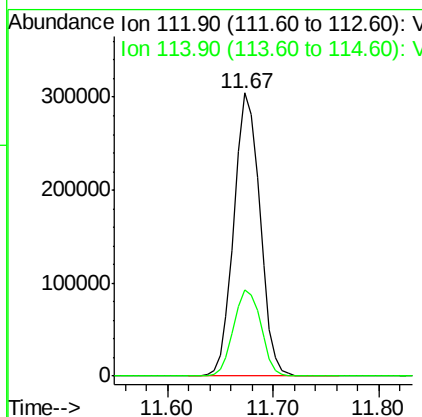
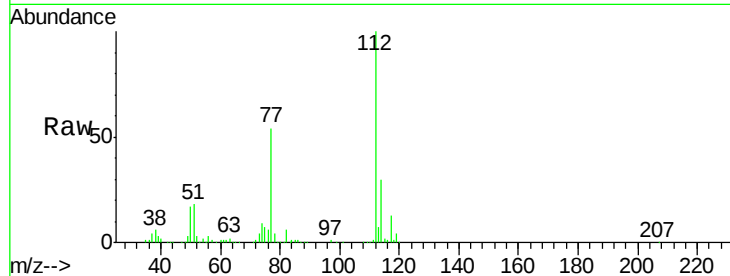
#65
Chlorobenzene
Concen: 55.995 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072120

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.4	24.4	36.6

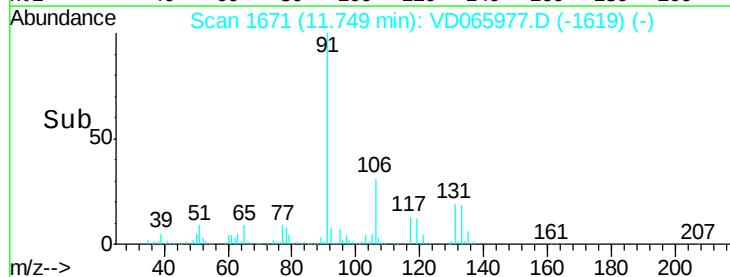
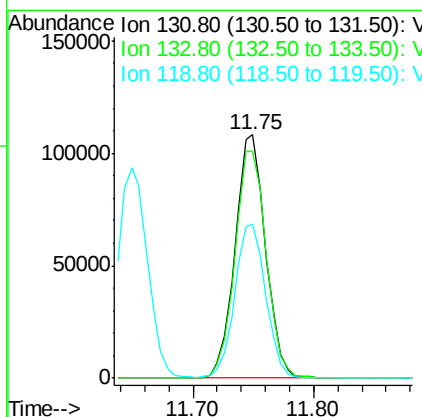
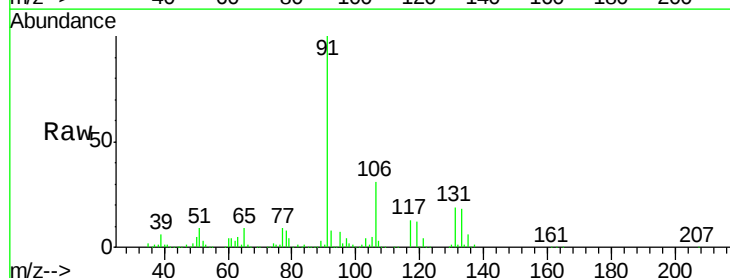
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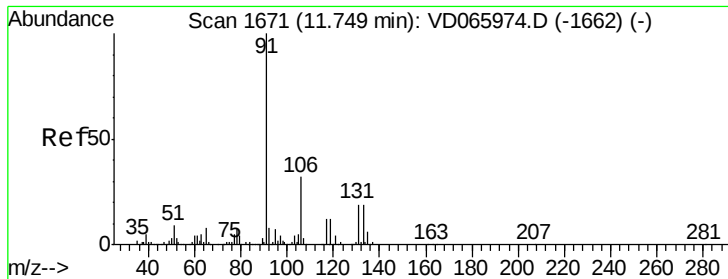
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.456 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.3	142.0
119	64.4	31.7	95.1





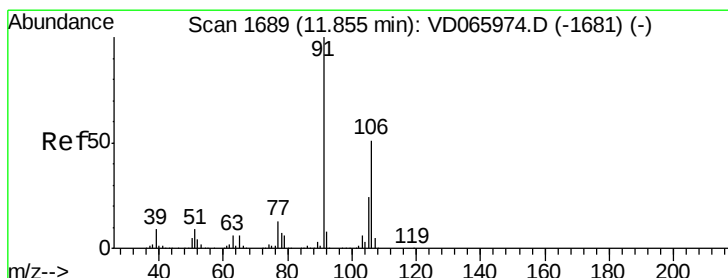
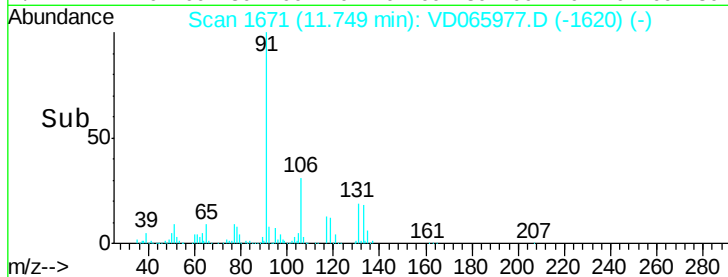
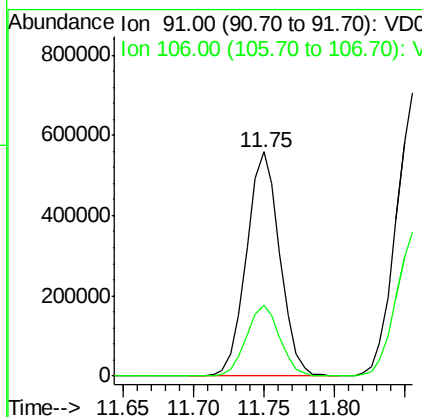
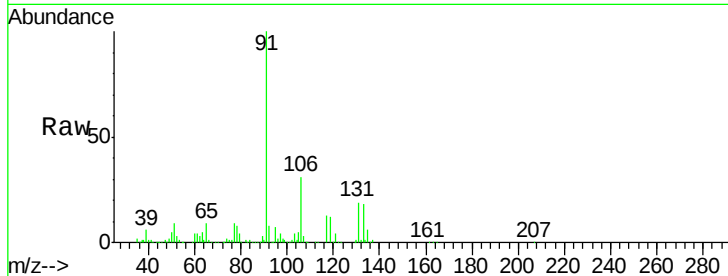
#67
Ethyl Benzene
Concen: 57.976 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072120

Tot Ion: 91 Resp: 925760
Ion Ratio Lower Upper
91 100
106 31.5 25.7 38.5

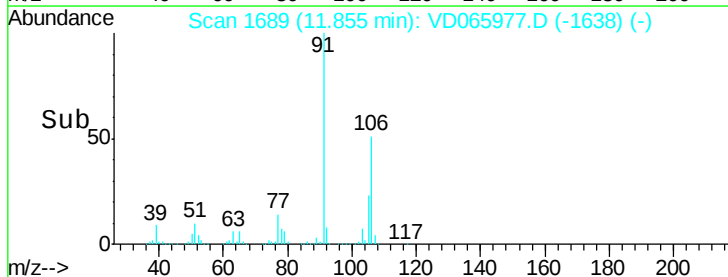
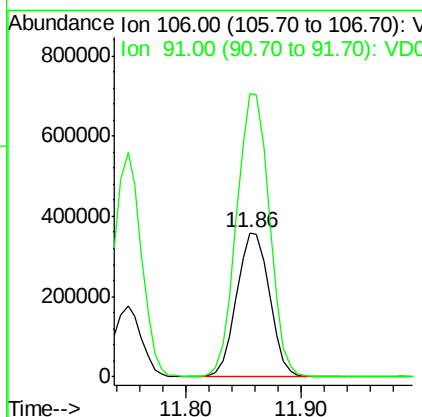
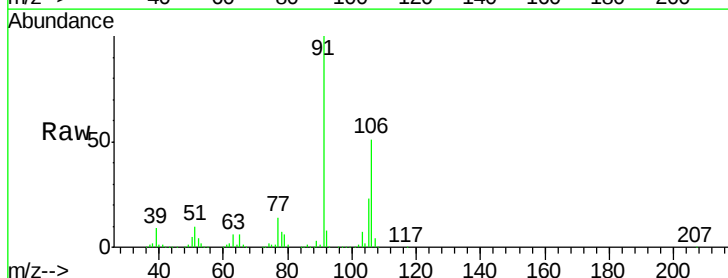
Manual Integrations
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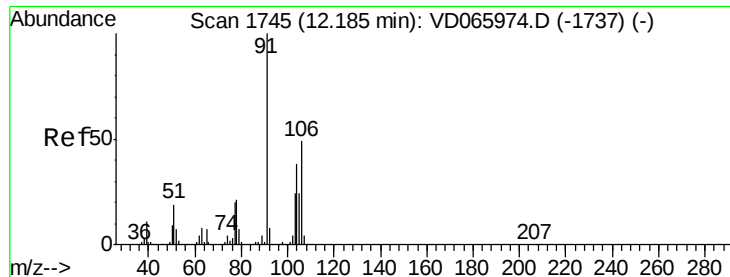
MMDadoda
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#68
m/p-Xylenes
Concen: 115.655 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Tgt Ion: 106 Resp: 709828
Ion Ratio Lower Upper
106 100
91 196.5 157.0 235.6





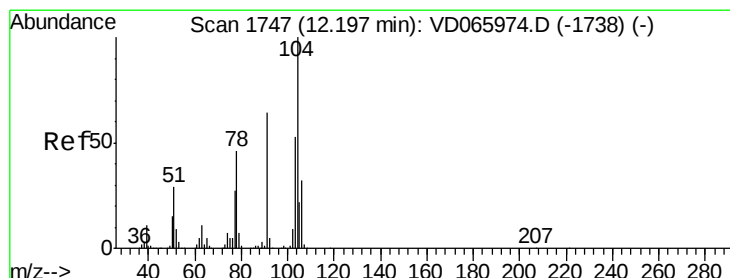
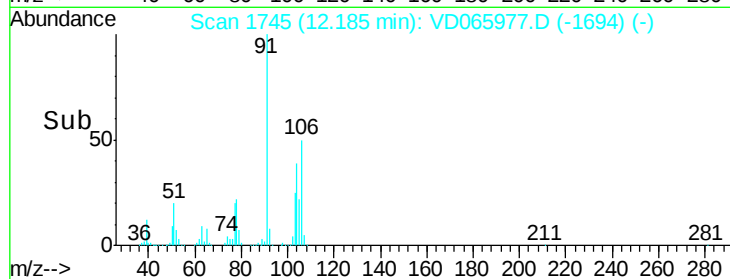
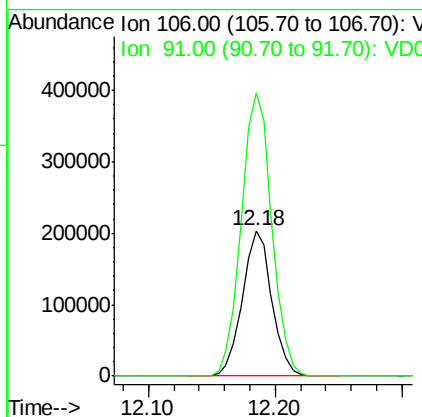
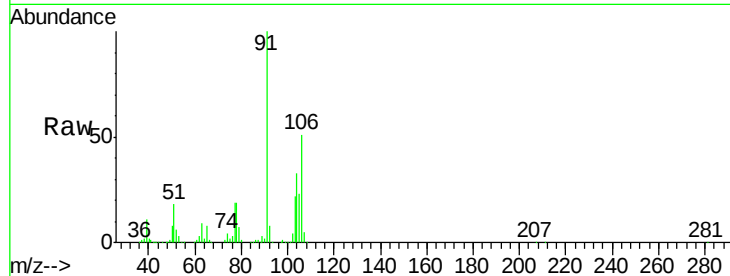
#69
o-Xylene
Concen: 58.589 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072120

Tot Ion	Ratio	Lower	Upper
106	100		
91	202.5	103.1	309.3

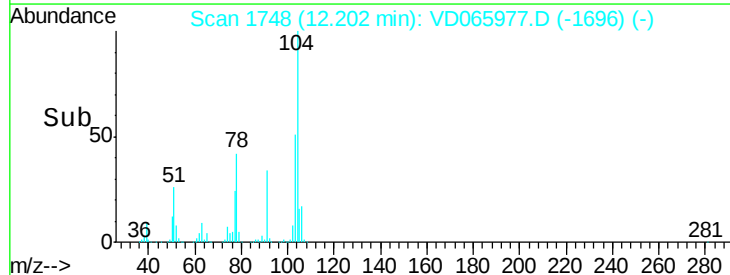
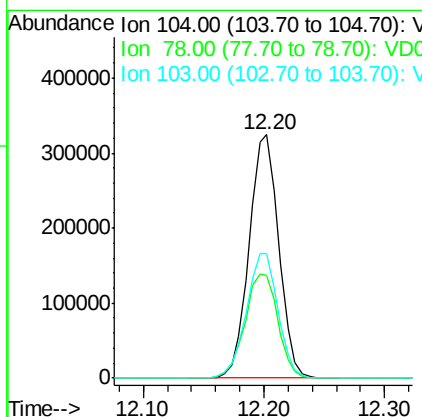
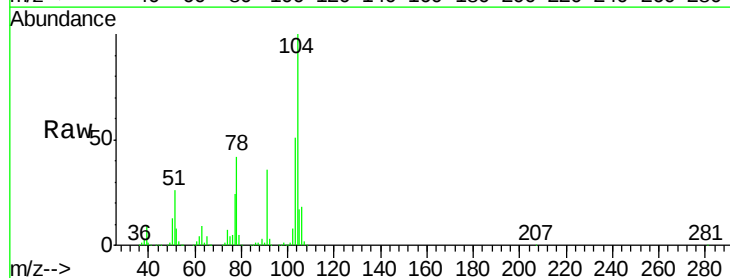
Manual Integrations
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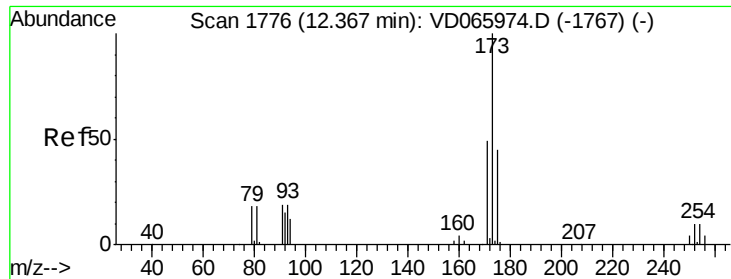
MMDadoda
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#70
Styrene
Concen: 58.070 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.4	38.3	57.5
103	54.7	43.8	65.8





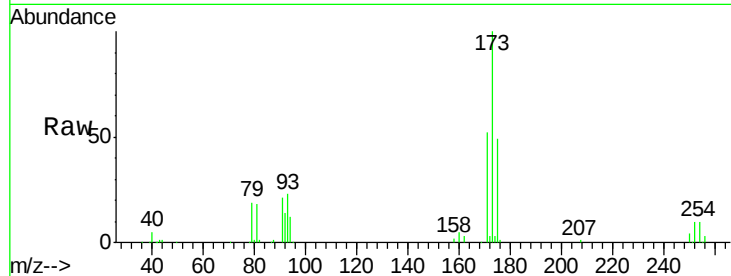
#71
Bromoform
Concen: 53.494 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072120

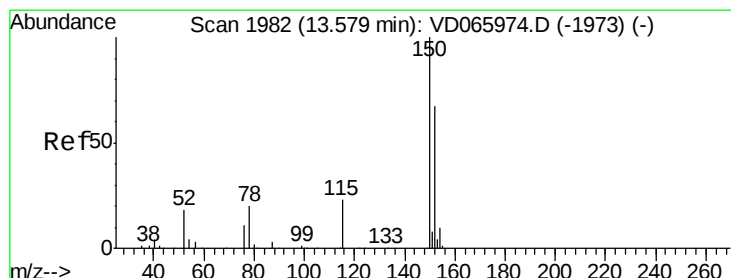
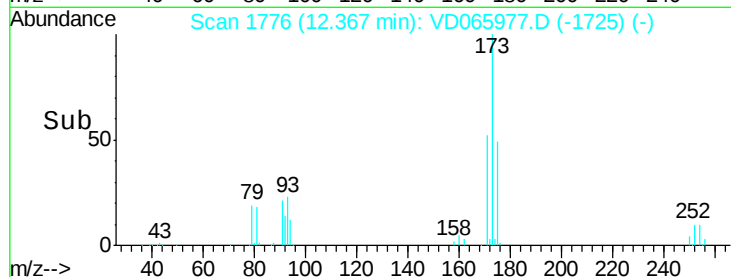
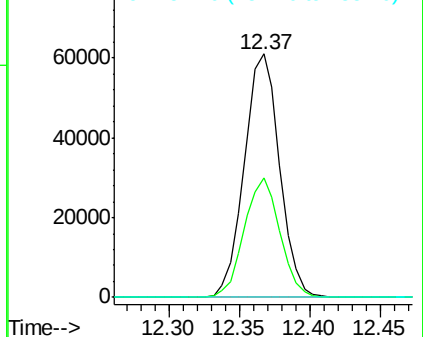
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.1	72.3
254	0.2	0.0	0.0

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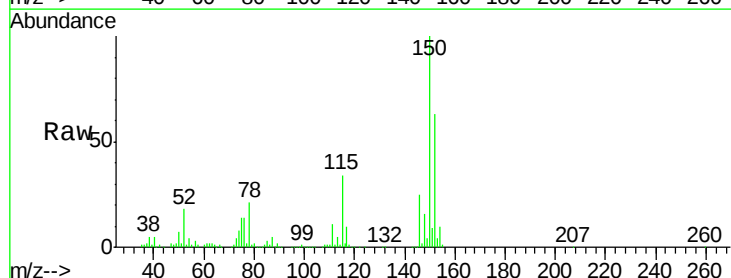


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

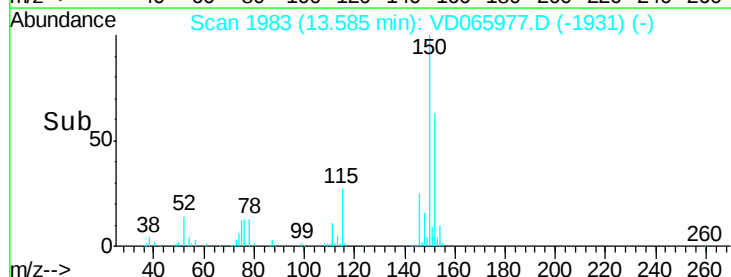
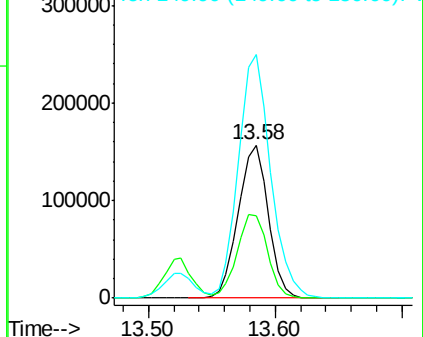


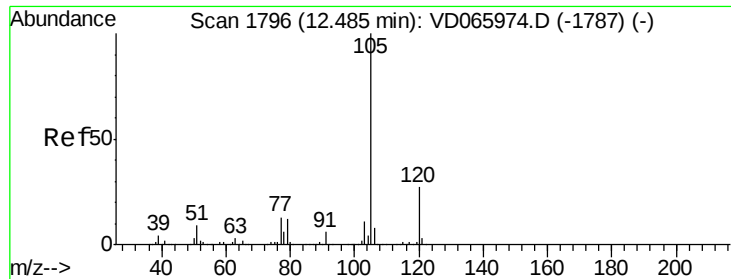
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.9	83.7
150	171.9	0.0	348.2



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





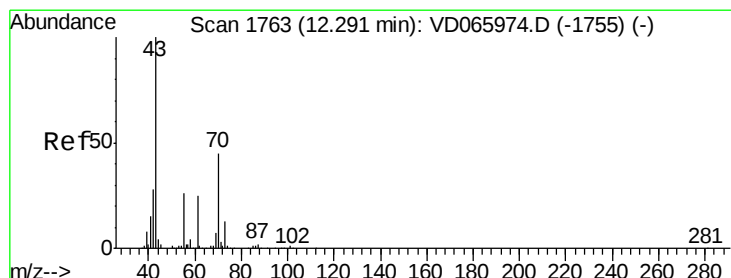
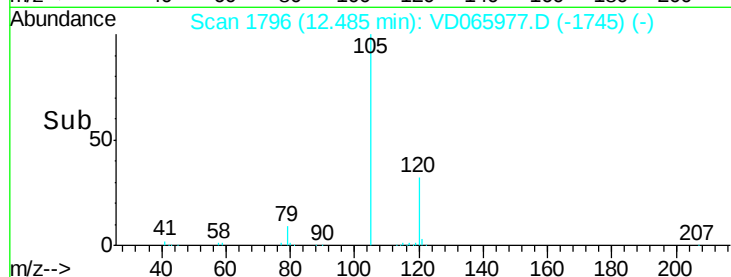
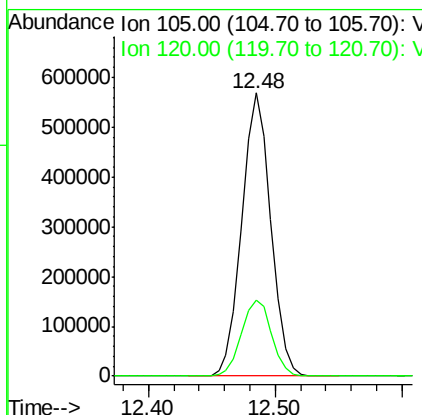
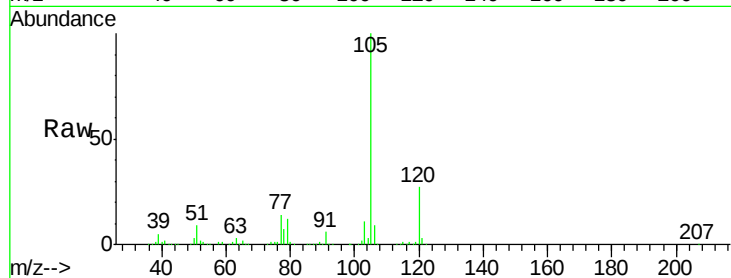
#73
Isopropylbenzene
Concen: 58.141 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072120

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.9	13.6	40.8

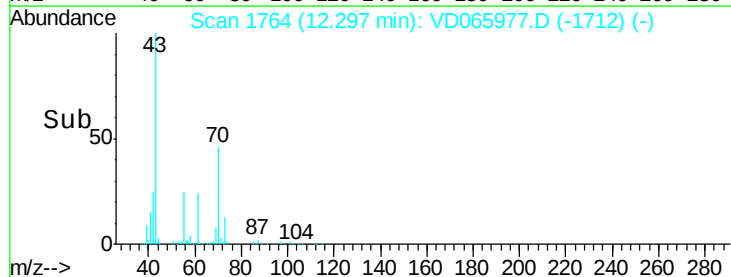
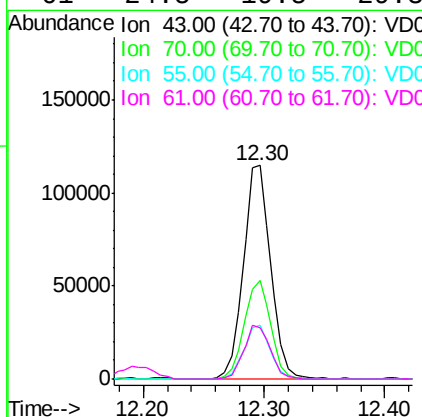
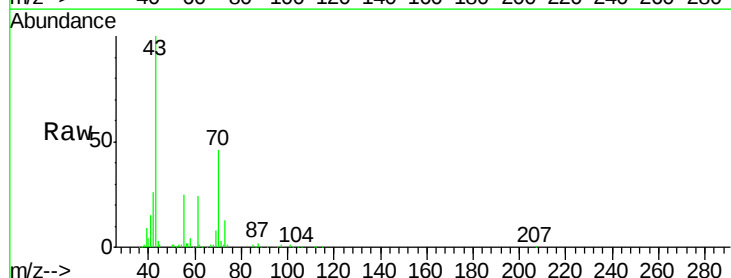
Manual Integrations
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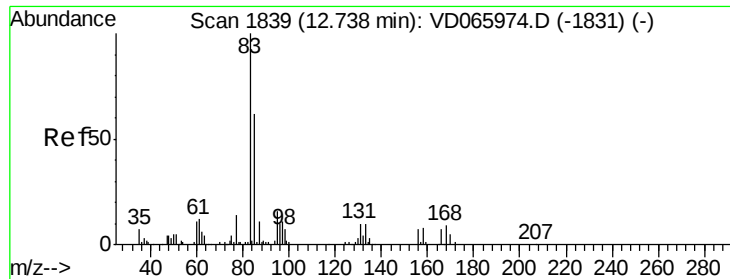
MMDadoda
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#74
N-ethyl acetate
Concen: 56.260 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.8	34.6	51.8
55	24.6	20.3	30.5
61	24.5	19.5	29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 52.951 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065977.D

Acq: 21 Jul 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072120

Tot Ion: 83 Resp: 135703

Ion Ratio Lower Upper

83 100

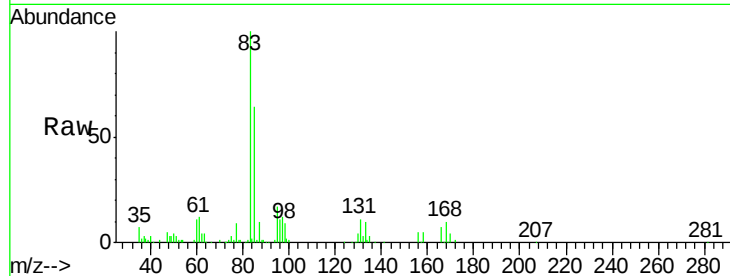
131 11.2 5.7 17.1

85 65.3 31.9 95.5

Manual Integrations
APPROVED

MMDadoda

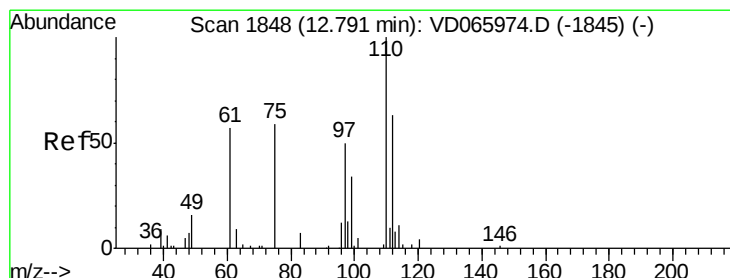
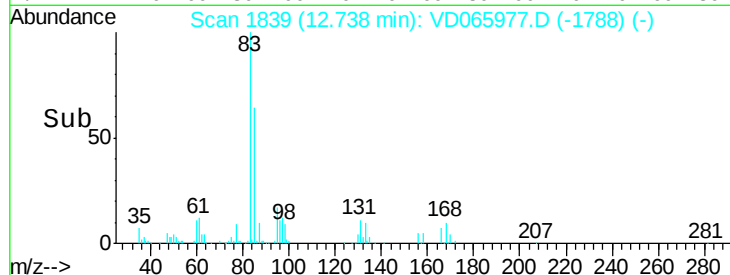
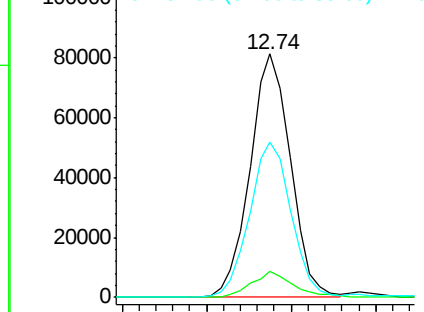
7/22/2020 2:44:29 PM



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 46.921 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065977.D

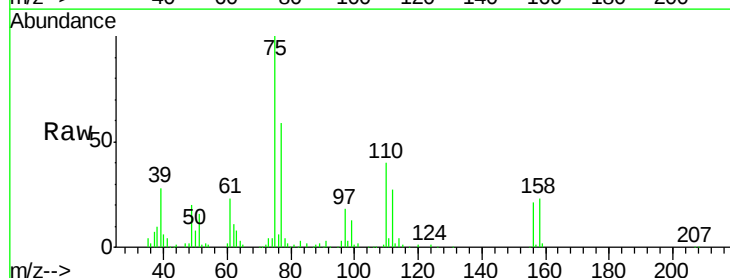
Acq: 21 Jul 2020 13:45

Tgt Ion: 75 Resp: 90540

Ion Ratio Lower Upper

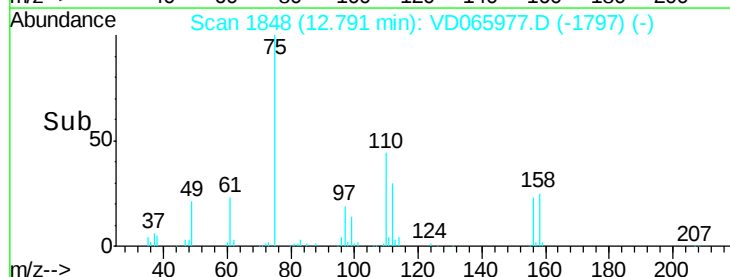
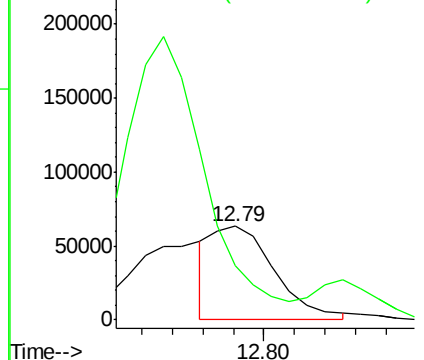
75 100

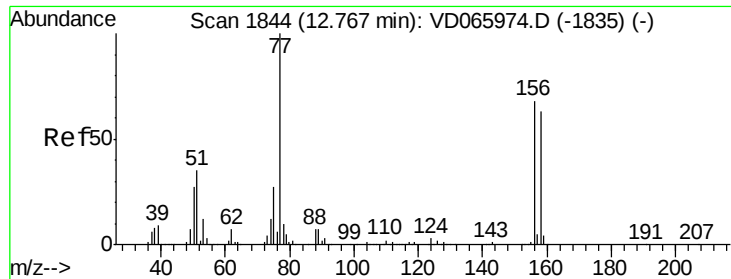
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 54.967 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065977.D

Acq: 21 Jul 2020 13:45

Instrument :

MSVOA_D

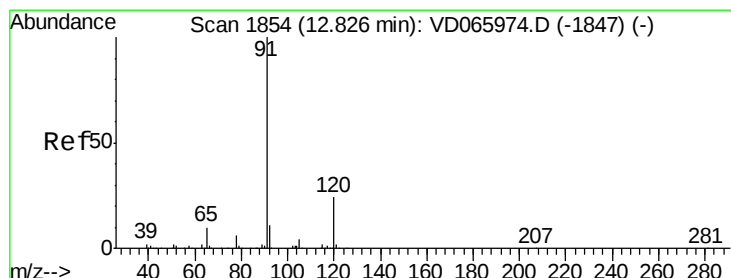
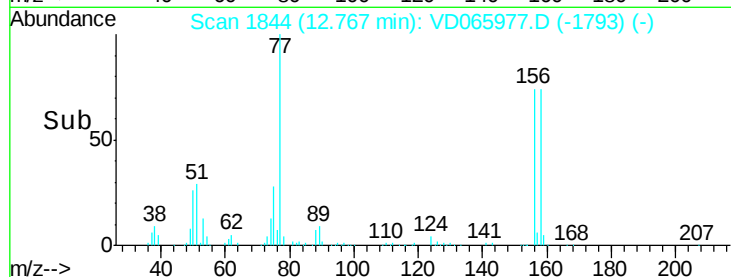
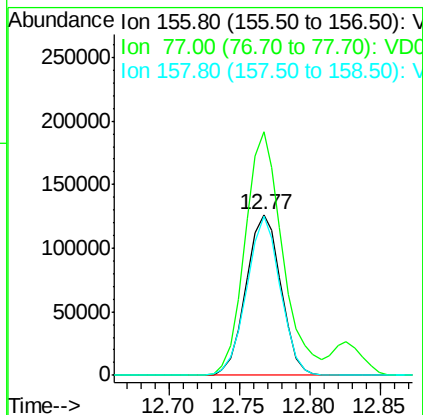
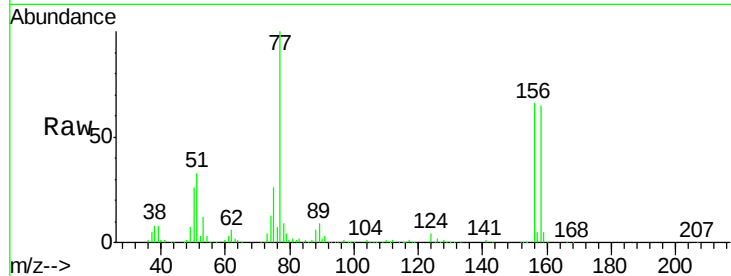
ClientSampleId :

ICVVD072120

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	163.9	83.0	249.0	
158	96.1	48.2	144.6	

Manual Integrations
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#78

n-propylbenzene

Concen: 58.852 ug/l

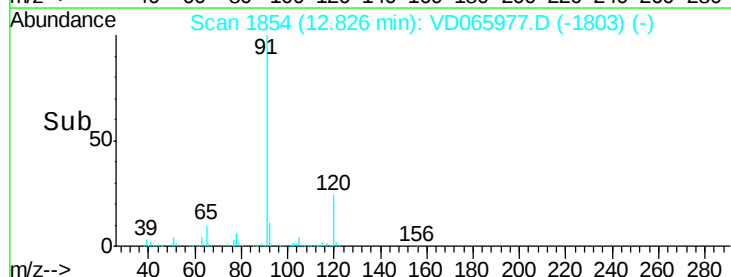
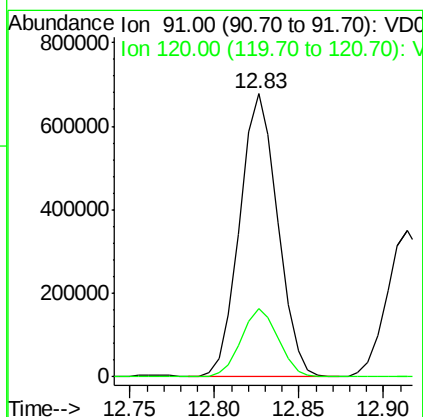
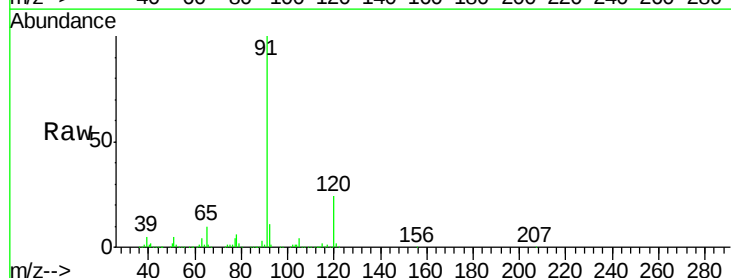
RT: 12.83 min Scan# 1854

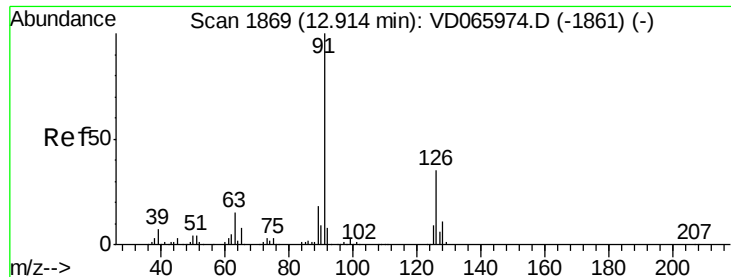
Delta R.T. 0.00 min

Lab File: VD065977.D

Acq: 21 Jul 2020 13:45

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.8	12.0	36.0	





#79

2-Chlorotoluene

Concen: 56.847 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065977.D

Acq: 21 Jul 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072120

Tot Ion: 91 Resp: 584415

Ion Ratio Lower Upper

91 100

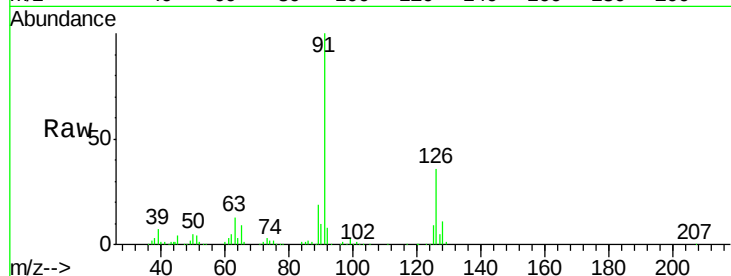
126 35.4 17.7 53.1

Manual Integrations

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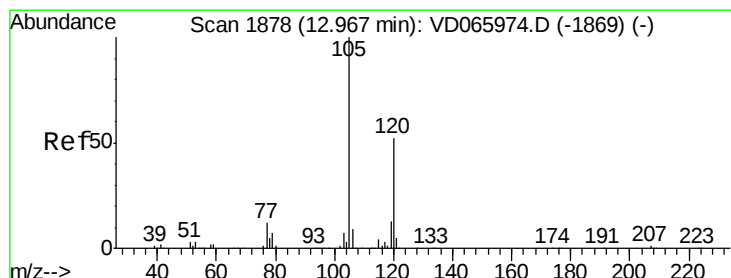
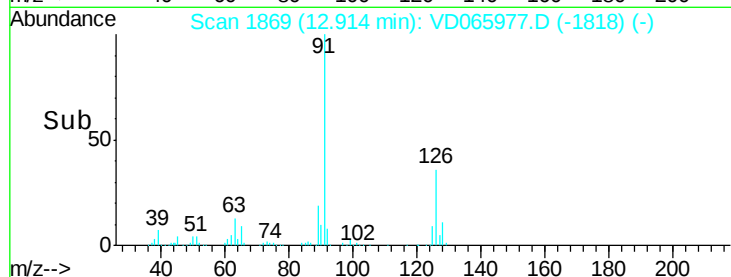
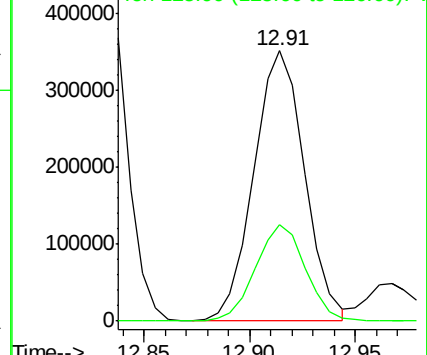
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Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 58.417 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065977.D

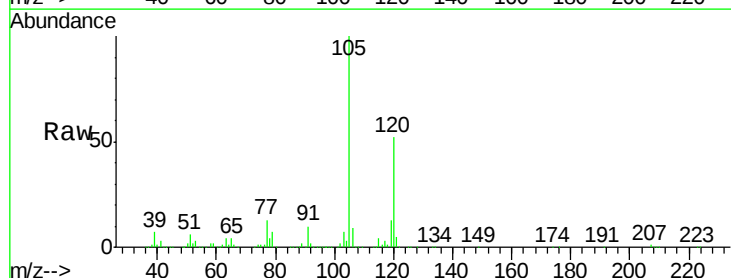
Acq: 21 Jul 2020 13:45

Tgt Ion:105 Resp: 744266

Ion Ratio Lower Upper

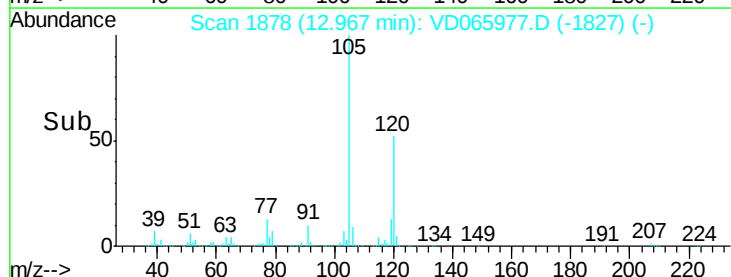
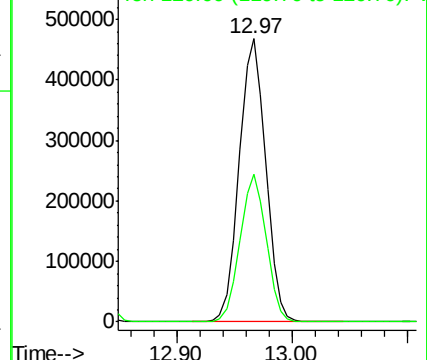
105 100

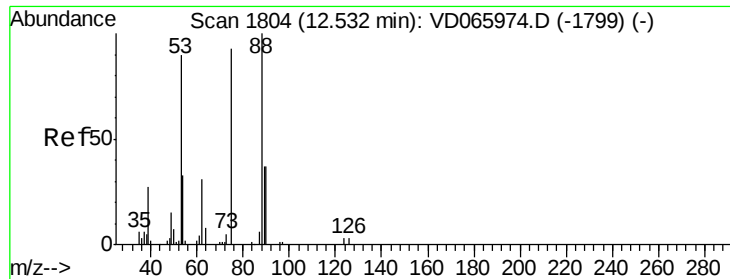
120 51.4 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





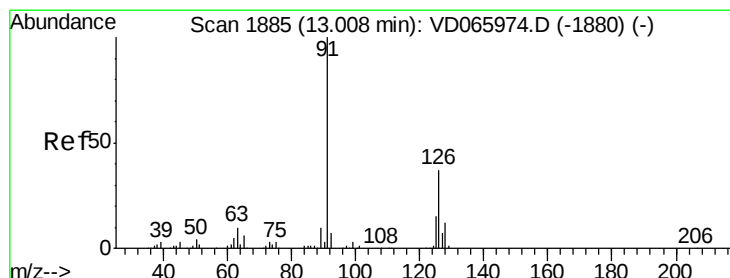
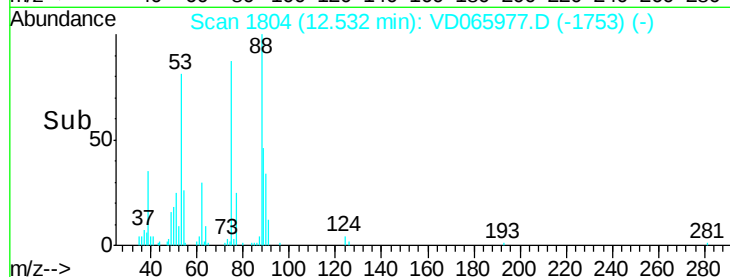
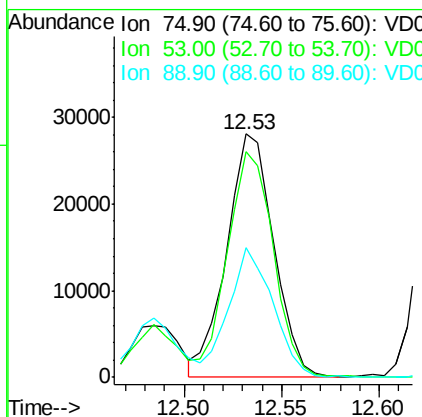
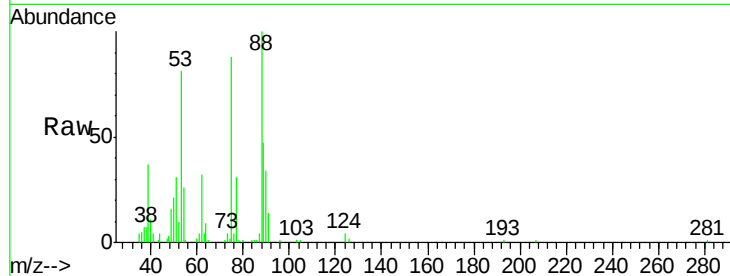
#81
trans-1,4-Dichloro-2-butene
Concen: 55.913 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072120

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.5	76.8	115.2
89	49.9	37.0	55.4

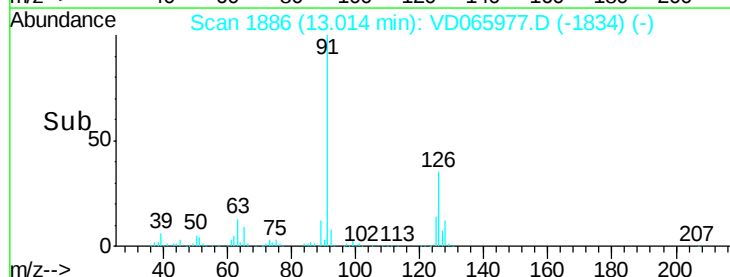
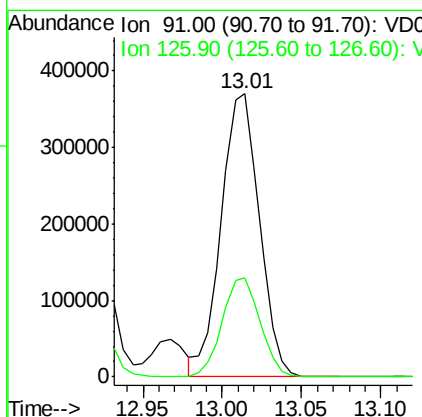
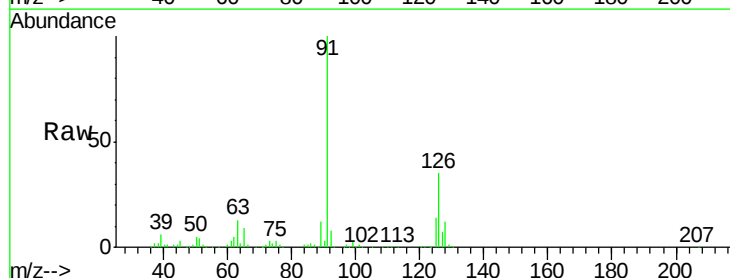
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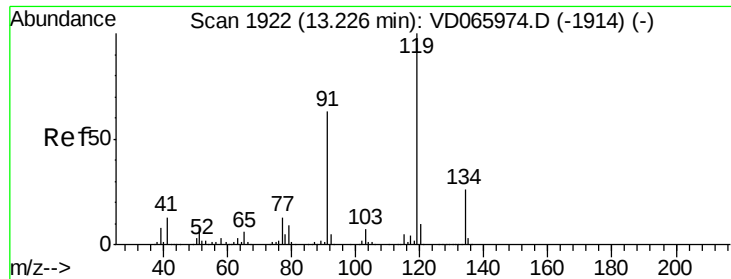
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#82
4-Chlorotoluene
Concen: 56.926 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.8	53.5





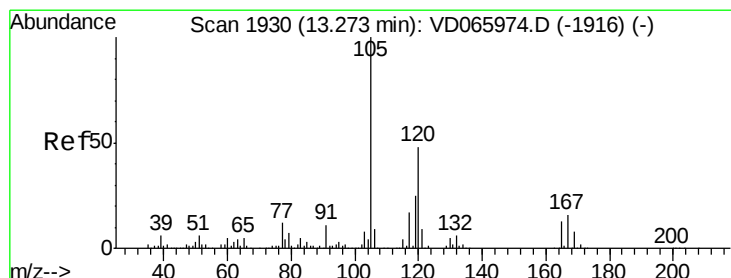
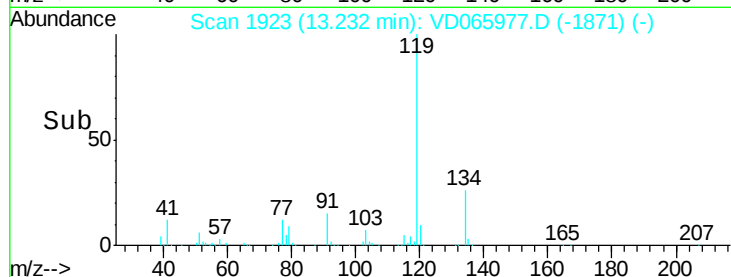
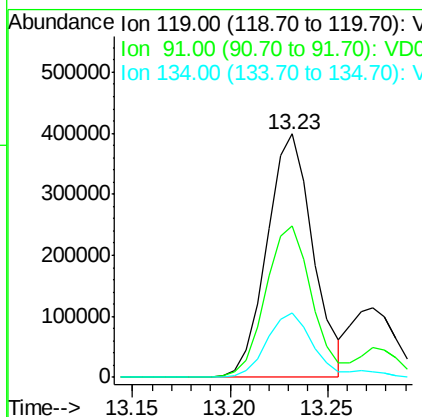
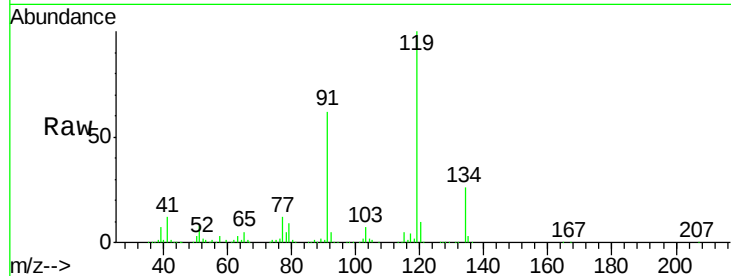
#83
tert-Butylbenzene
Concen: 58.485 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072120

Tot Ion	Ratio	Resp	Lower	Upper
119	100	652030		
91	63.2		30.6	91.6
134	28.0		13.9	41.7

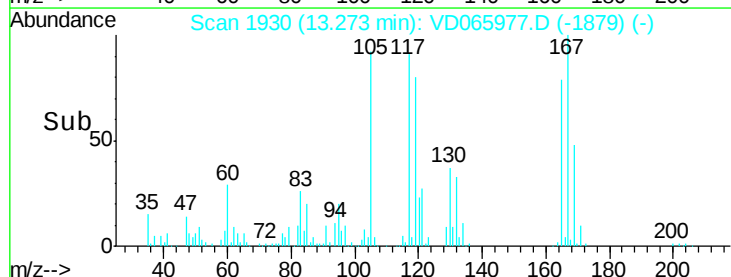
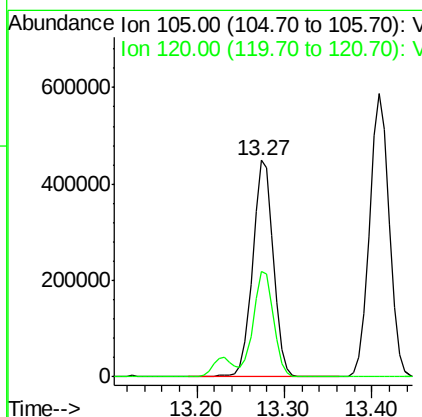
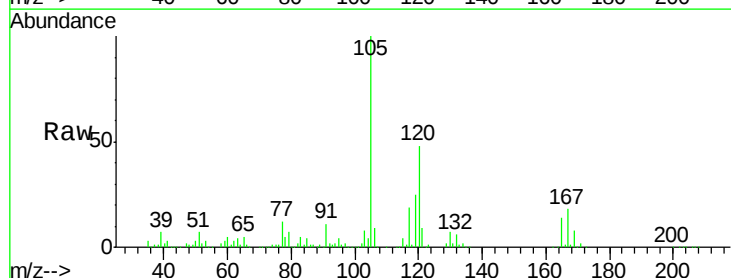
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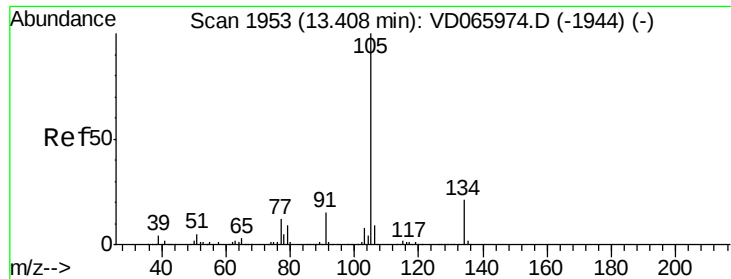
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 57.911 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	727912		
120	47.2		23.9	71.8





#85

sec-Butylbenzene

Concen: 59.622 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065977.D

Acq: 21 Jul 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072120

Tot Ion:105 Resp: 915566

Ion Ratio Lower Upper

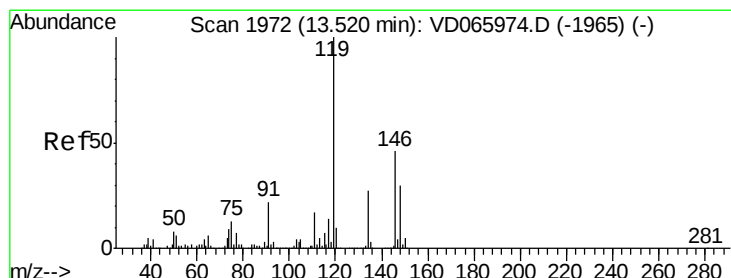
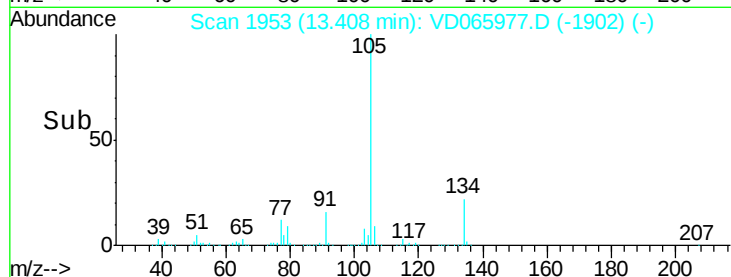
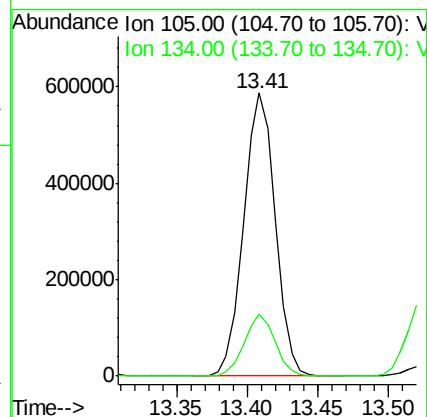
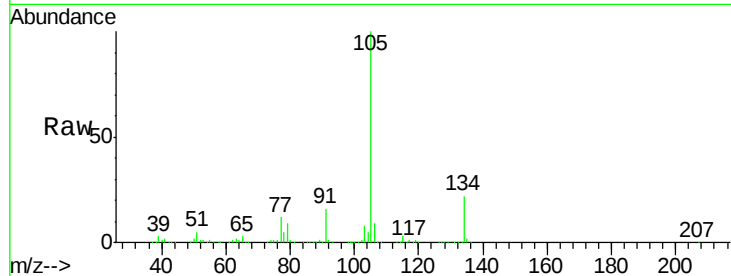
105 100

134 21.2 10.4 31.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 59.959 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065977.D

Acq: 21 Jul 2020 13:45

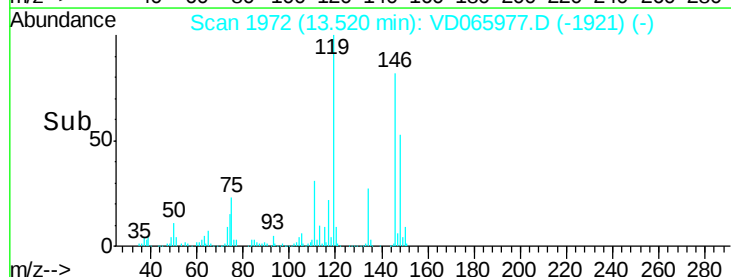
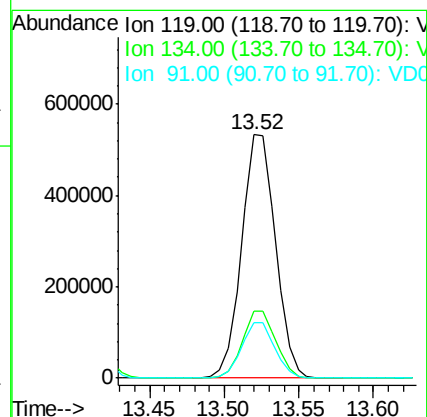
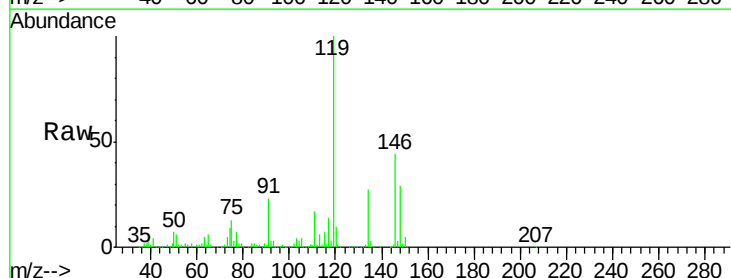
Tgt Ion:119 Resp: 836491

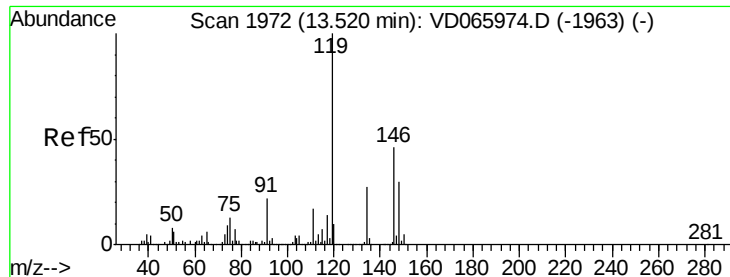
Ion Ratio Lower Upper

119 100

134 27.4 13.4 40.2

91 22.4 11.1 33.3





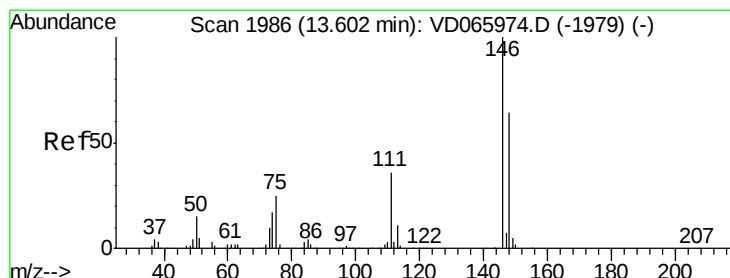
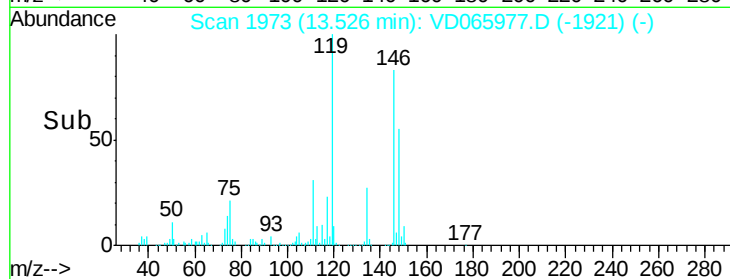
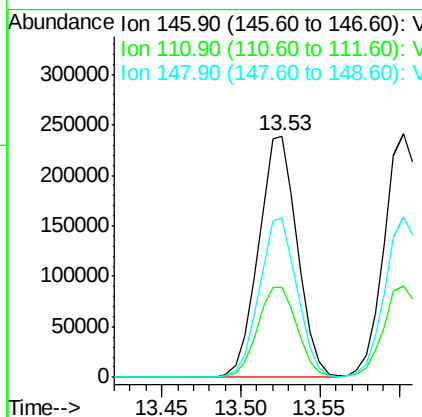
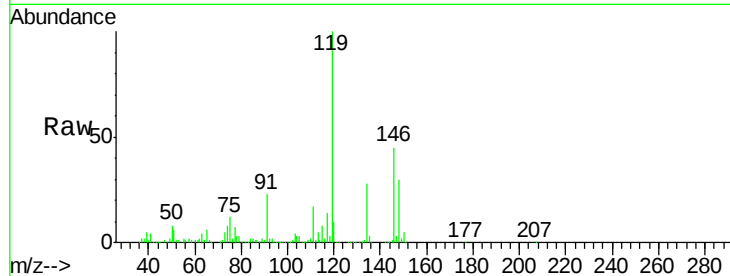
#87
 1,3-Dichlorobenzene
 Concen: 55.019 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD065977.D
 Acq: 21 Jul 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072120

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	55.6
148	64.8	32.4	97.0

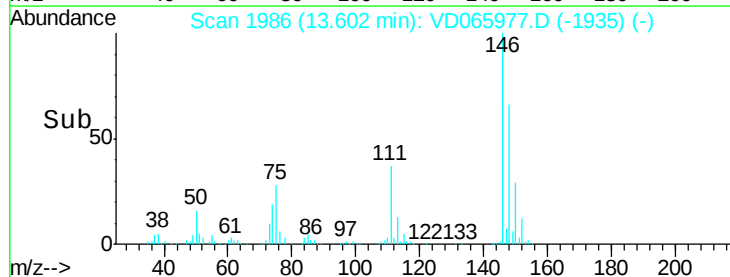
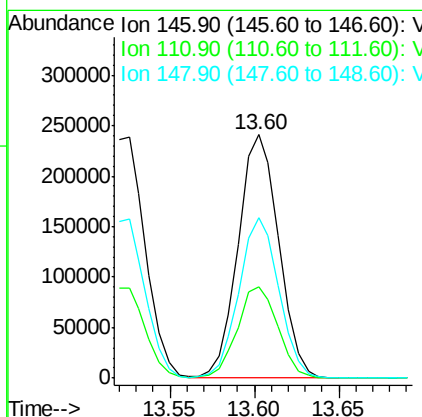
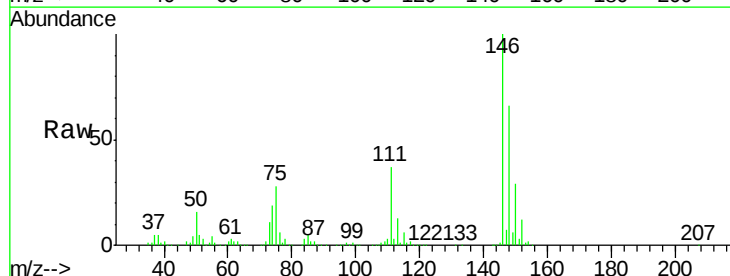
Manual Integrations
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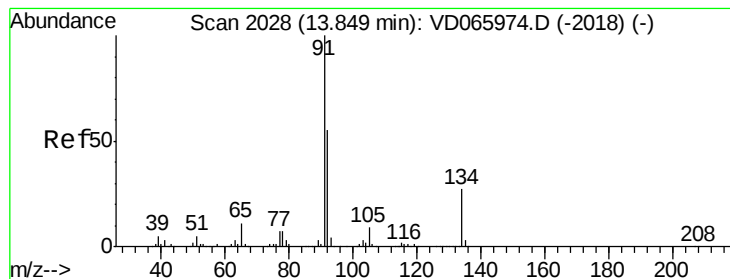
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#88
 1,4-Dichlorobenzene
 Concen: 54.073 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065977.D
 Acq: 21 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.4
148	64.9	32.2	96.6





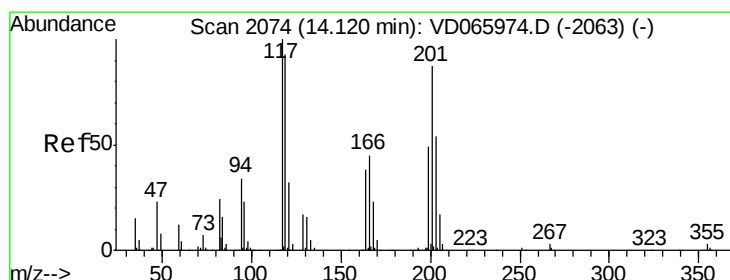
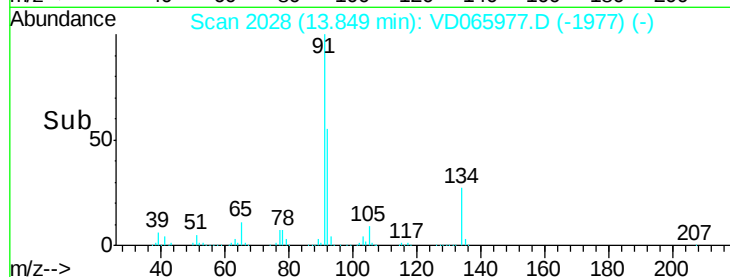
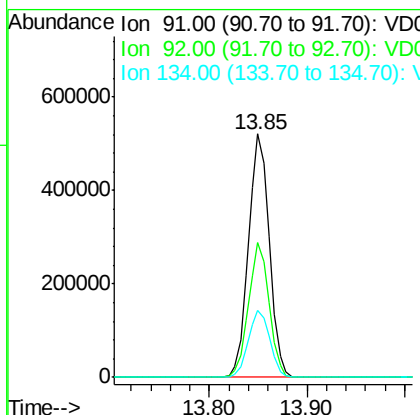
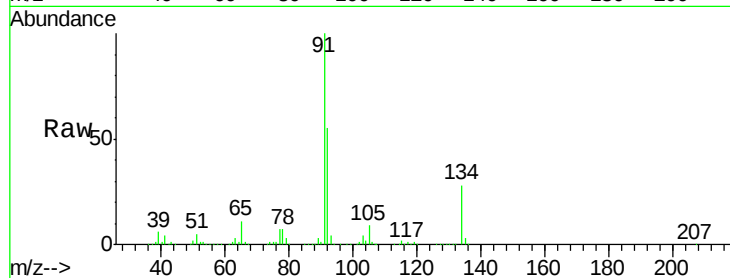
#89
n-Butylbenzene
Concen: 60.137 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072120

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.2	81.6
134	28.3	13.8	41.4

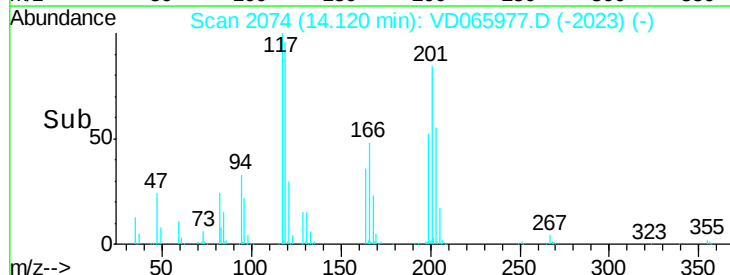
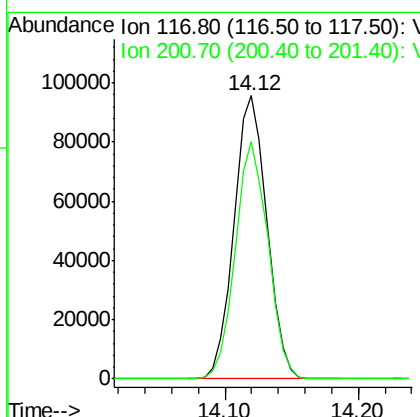
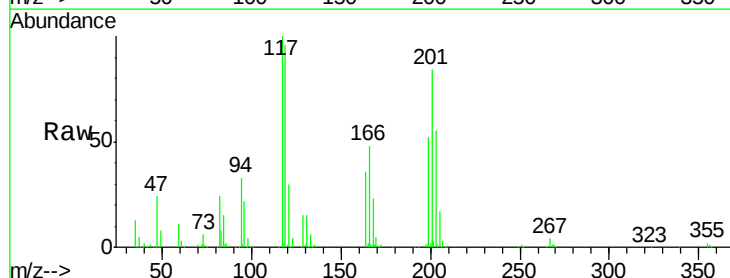
Manual Integrations
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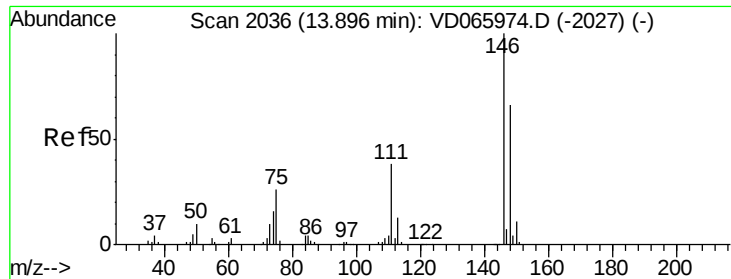
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#90
Hexachloroethane
Concen: 56.552 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065977.D
Acq: 21 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.2	42.0	126.1





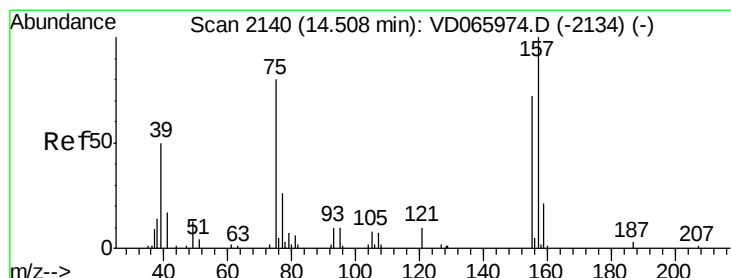
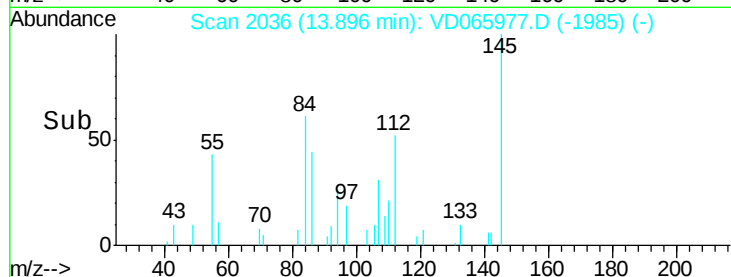
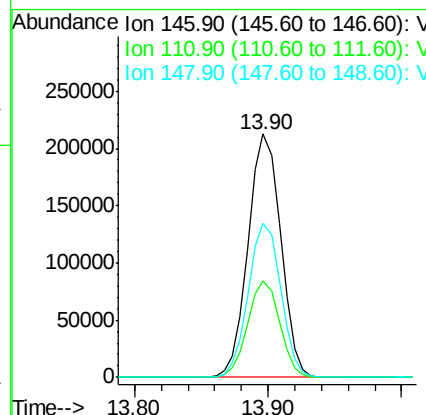
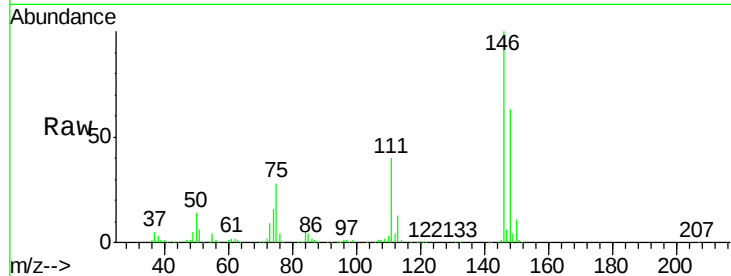
#91
 1,2-Dichlorobenzene
 Concen: 56.294 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD065977.D
 Acq: 21 Jul 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072120

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.3	57.9
148	63.1	32.7	98.1

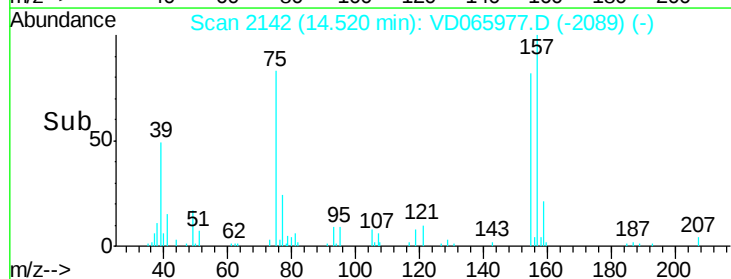
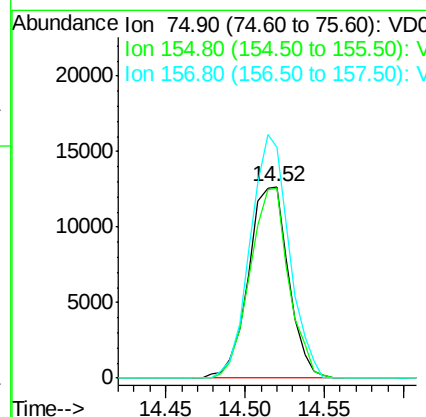
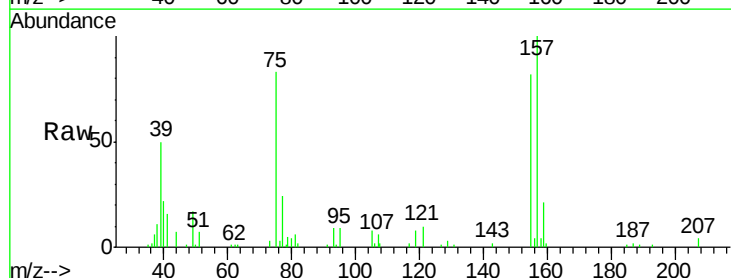
Manual Integrations
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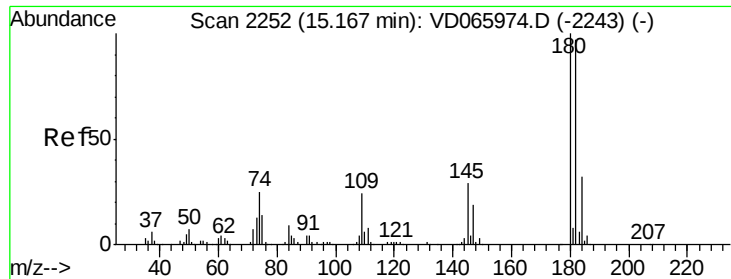
MMDadoda
 7/22/2020 2:44:29 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.107 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065977.D
 Acq: 21 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.0	48.5	145.5
157	122.9	64.7	194.1





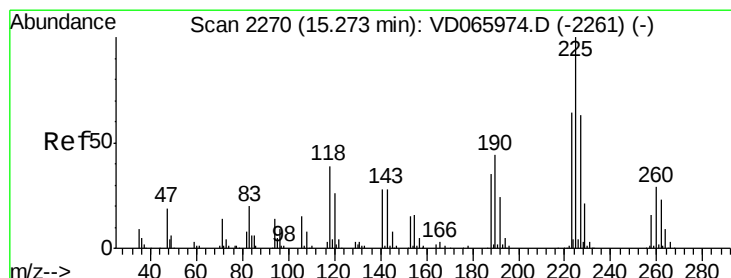
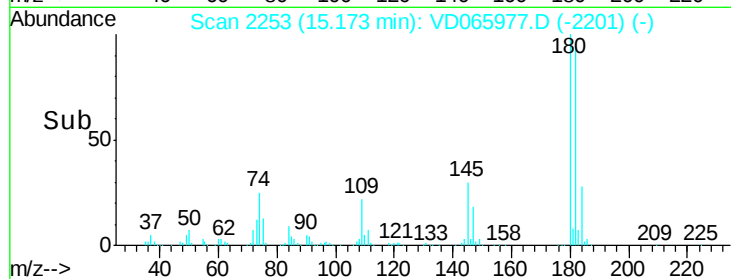
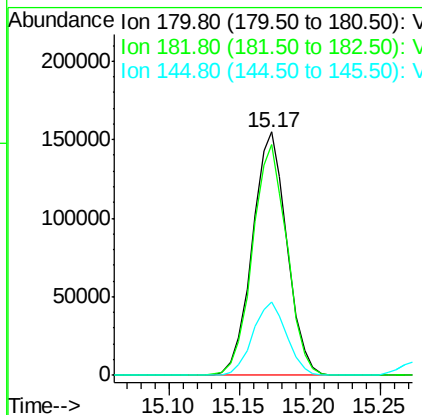
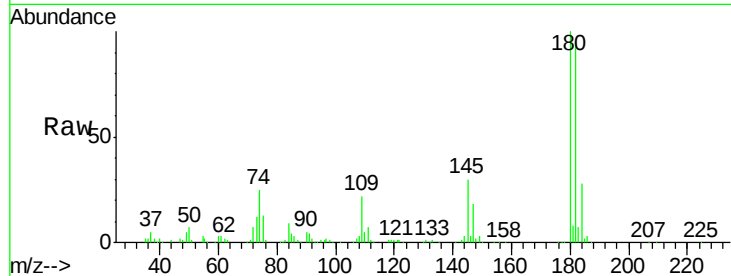
#93
 1,2,4-Trichlorobenzene
 Concen: 58.155 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD065977.D
 Acq: 21 Jul 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072120

Tot Ion	Ratio	Resp	Lower	Upper
180	100	266152		
182	94.3	48.1	144.3	
145	29.7	14.7	44.1	

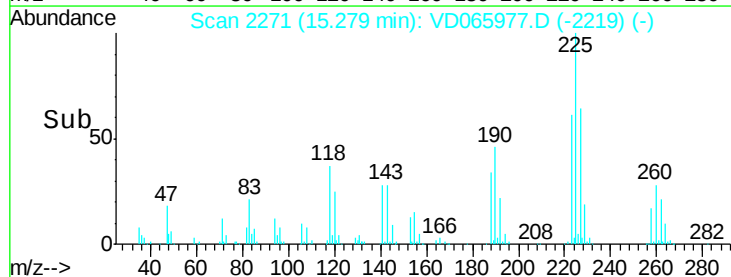
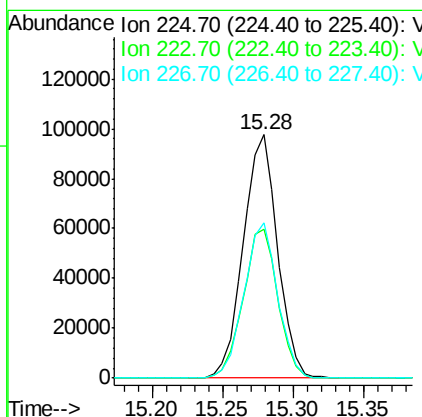
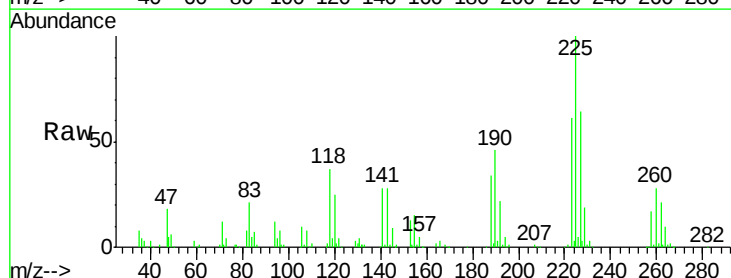
Manual Integrations
 APPROVED

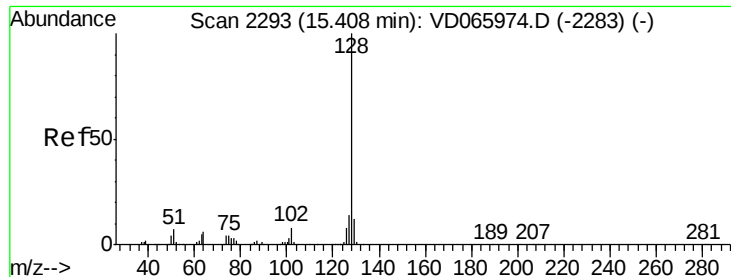
MMDadoda
 7/22/2020 2:44:29 PM



#94
 Hexachlorobutadiene
 Concen: 58.619 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD065977.D
 Acq: 21 Jul 2020 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	165858		
223	61.9	31.2	93.6	
227	62.9	31.6	94.8	





#95

Naphthalene

Concen: 52.027 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD065977.D

Acq: 21 Jul 2020 13:45

Instrument :

MSVOA_D

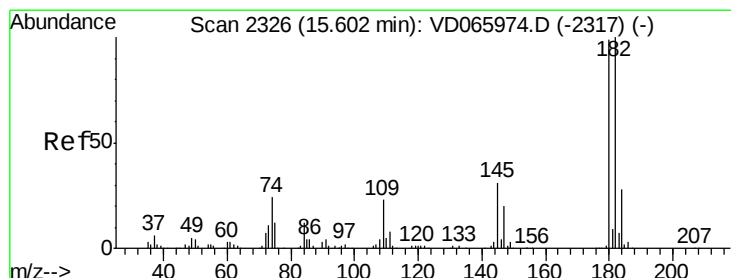
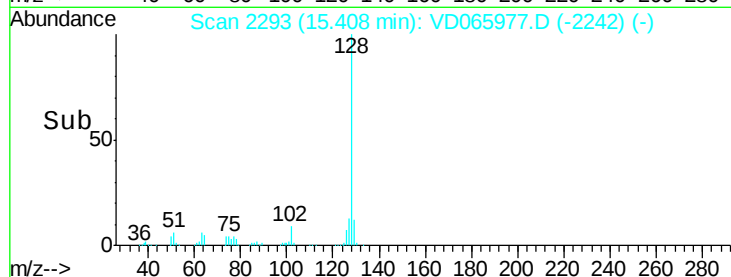
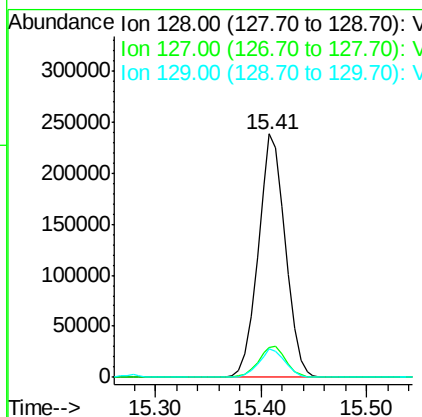
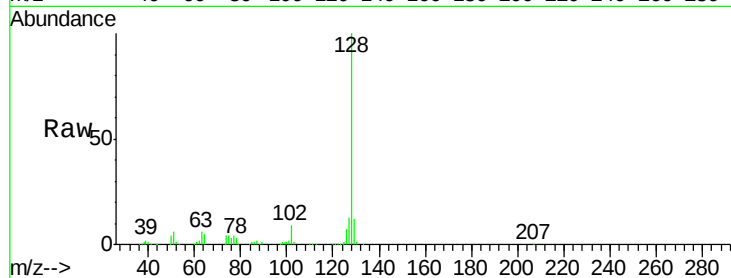
ClientSampleId :

ICVVD072120

Tot Ion:	128	Resp:	424692
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.8	16.2
129	11.4	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/22/2020 2:44:29 PM



#96

1,2,3-Trichlorobenzene

Concen: 57.244 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD065977.D

Acq: 21 Jul 2020 13:45

Tgt Ion:	180	Resp:	227756
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.9	143.6
145	30.3	15.4	46.2

