

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072120\
 Data File : VD065979.D
 Acq On : 21 Jul 2020 14:49
 Operator : VA/SY
 Sample : VD0721SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 2:44:32 PM

Quant Time: Jul 21 16:54:30 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	385040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	560348	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	514439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	260626	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	158610	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
35) Dibromofluoromethane	7.91	113	171162	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
50) Toluene-d8	10.34	98	657252	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
62) 4-Bromofluorobenzene	12.64	95	222681	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	69154	23.666	ug/l	97
3) Chloromethane	2.21	50	54661	22.922	ug/l	98
4) Vinyl Chloride	2.35	62	48590	21.397	ug/l	99
5) Bromomethane	2.76	94	34444	18.397	ug/l	93
6) Chloroethane	2.92	64	29939	22.086	ug/l	92
7) Trichlorofluoromethane	3.27	101	119904	21.708	ug/l	93
8) Diethyl Ether	3.70	74	33647	22.038	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	75079	22.512	ug/l	100
10) Methyl Iodide	4.30	142	70929	26.155	ug/l	96
11) Tert butyl alcohol	5.22	59	25050	112.126	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	69533	21.841	ug/l	93
13) Acrolein	3.91	56	25366	96.096	ug/l	97
14) Allyl chloride	4.71	41	106803	21.462	ug/l	98
15) Acrylonitrile	5.41	53	67545	103.556	ug/l	97
16) Acetone	4.16	43	59863	94.396	ug/l	97
17) Carbon Disulfide	4.41	76	224331	21.724	ug/l	97
18) Methyl Acetate	4.72	43	27887	18.903	ug/l	93
19) Methyl tert-butyl Ether	5.48	73	140462	21.474	ug/l	98
20) Methylene Chloride	4.96	84	89276	23.913	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	79093	21.982	ug/l	95
22) Diisopropyl ether	6.36	45	210088	22.221	ug/l	97
23) Vinyl Acetate	6.30	43	585795	109.865	ug/l	98
24) 1,1-Dichloroethane	6.27	63	128802	22.484	ug/l	96
25) 2-Butanone	7.21	43	85830	101.997	ug/l	99
26) 2,2-Dichloropropane	7.21	77	115471	22.415	ug/l	99
27) cis-1,2-Dichloroethene	7.20	96	82909	21.763	ug/l	97
28) Bromochloromethane	7.54	49	52825	21.727	ug/l	99
29) Tetrahydrofuran	7.56	42	54400	104.776	ug/l	97
30) Chloroform	7.71	83	132237	22.068	ug/l	91
31) Cyclohexane	7.99	56	120658	21.409	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	123982	22.368	ug/l	98
36) 1,1-Dichloropropene	8.11	75	104850	21.925	ug/l	98
37) Ethyl Acetate	7.29	43	39876	21.833	ug/l	96
38) Carbon Tetrachloride	8.10	117	113882	21.947	ug/l	98

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 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)
39) Methylcyclohexane	9.36	83	129069	22.286	ug/l	94
40) Benzene	8.35	78	298182	22.287	ug/l	97
41) Methacrylonitrile	7.53	41	23657	22.611	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	77959	21.264	ug/l	100
43) Isopropyl Acetate	8.45	43	76510	21.449	ug/l	98
44) Trichloroethene	9.11	130	89100	22.007	ug/l	88
45) 1,2-Dichloropropane	9.38	63	73043	22.542	ug/l	96
46) Dibromomethane	9.48	93	37398	21.439	ug/l	97
47) Bromodichloromethane	9.66	83	100959	21.889	ug/l	96
48) Methyl methacrylate	9.46	41	35127	19.522	ug/l	90
49) 1,4-Dioxane	9.46	88	9453	467.749	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	189714	105.553	ug/l	98
52) Toluene	10.40	92	195640	22.423	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	93211	21.692	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	114832	22.046	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	54332	21.961	ug/l	89
56) Ethyl methacrylate	10.66	69	61482	21.375	ug/l	93
57) 1,3-Dichloropropane	10.95	76	89634	21.886	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	149682	108.935	ug/l	98
59) 2-Hexanone	10.99	43	131466	105.551	ug/l	98
60) Dibromochloromethane	11.14	129	73152	21.930	ug/l	98
61) 1,2-Dibromoethane	11.25	107	53269	22.332	ug/l	99
64) Tetrachloroethene	10.88	164	77856	22.298	ug/l	98
65) Chlorobenzene	11.67	112	209561	22.249	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	78832	22.666	ug/l	99
67) Ethyl Benzene	11.75	91	367541	22.674	ug/l	98
68) m/p-Xylenes	11.86	106	288578	46.319	ug/l	99
69) o-Xylene	12.18	106	131099	23.135	ug/l	100
70) Styrene	12.20	104	234694	24.105	ug/l	98
71) Bromoform	12.37	173	43727	21.464	ug/l #	99
73) Isopropylbenzene	12.48	105	355371	22.534	ug/l	99
74) N-amyl acetate	12.29	43	69991	21.405	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	55983	21.480	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	40116m	20.443	ug/l	
77) Bromobenzene	12.77	156	90393	22.428	ug/l	97
78) n-propylbenzene	12.83	91	424742	23.210	ug/l	100
79) 2-Chlorotoluene	12.91	91	234190	22.400	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	298218	23.017	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	18598	21.747	ug/l	97
82) 4-Chlorotoluene	13.01	91	247850	22.460	ug/l	99
83) tert-Butylbenzene	13.23	119	262205	23.126	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	297735	23.292	ug/l	99
85) sec-Butylbenzene	13.41	105	356563	22.832	ug/l	100
86) p-Isopropyltoluene	13.52	119	333248	23.488	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	169039	22.590	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	169210	22.369	ug/l	99
89) n-Butylbenzene	13.85	91	295745	22.418	ug/l	98
90) Hexachloroethane	14.12	117	63219	21.525	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	147331	22.722	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8610	20.157	ug/l	96

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QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	106277	22.834	ug/l	99
94) Hexachlorobutadiene	15.27	225	63318	22.005	ug/l	98
95) Naphthalene	15.41	128	161035	21.623	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	92255	22.801	ug/l	97

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

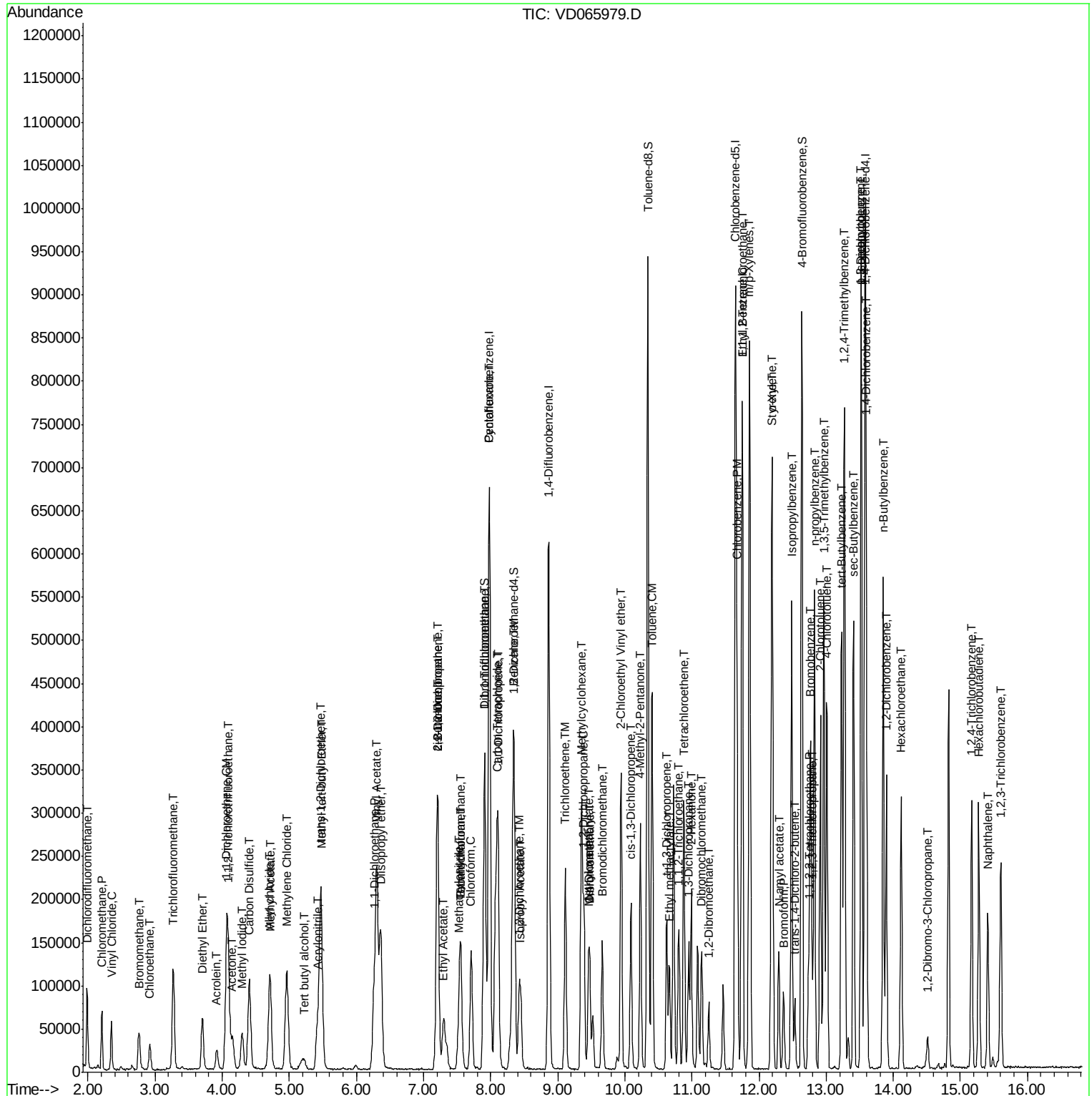
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072120\
Data File : VD065979.D
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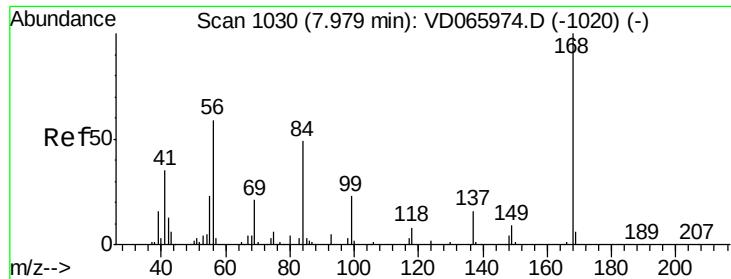
Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion:168 Resp: 385040

Ion Ratio Lower Upper

168 100

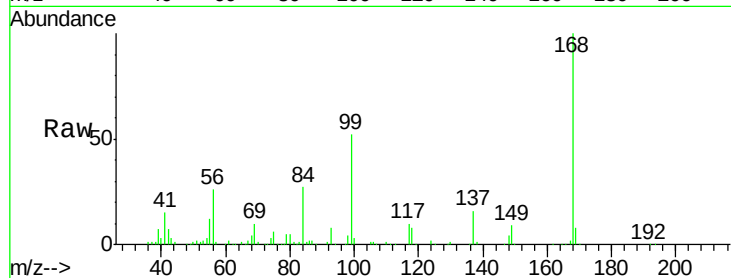
99 52.0 40.8 61.2

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

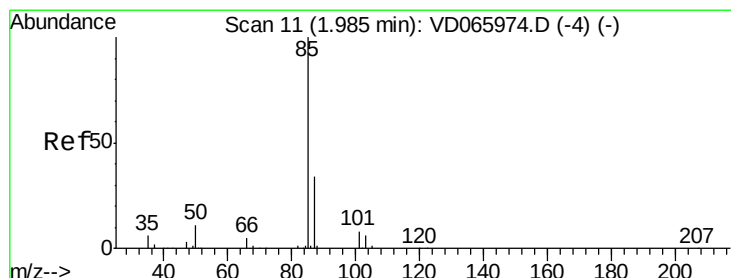
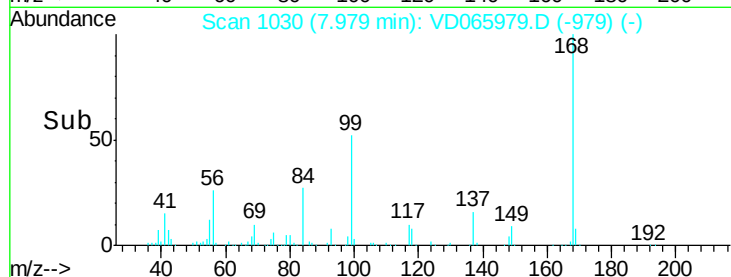
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.666 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065979.D

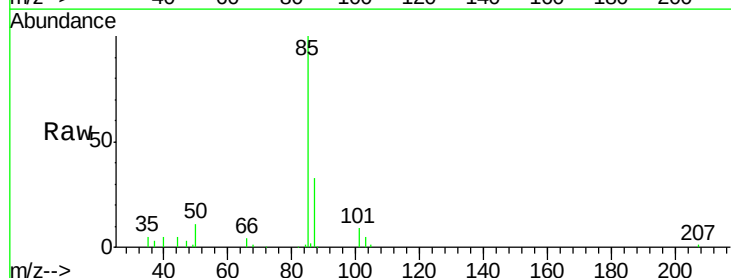
Acq: 21 Jul 2020 14:49

Tgt Ion: 85 Resp: 69154

Ion Ratio Lower Upper

85 100

87 32.6 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

60000

50000

40000

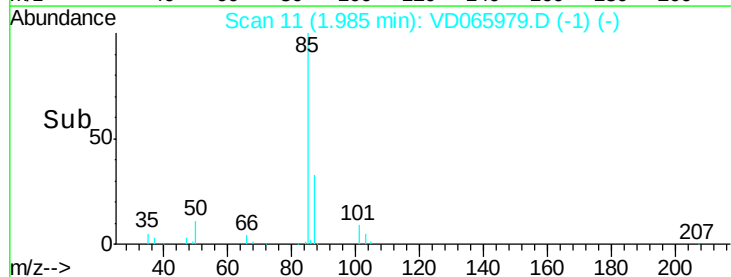
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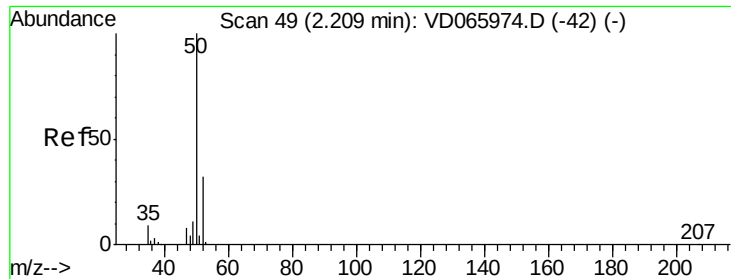
20000

10000

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Time-->





#3

Chloromethane

Concen: 22.922 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion: 50 Resp: 54661

Ion Ratio Lower Upper

50 100

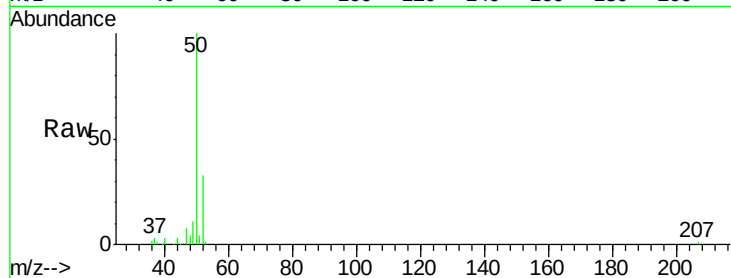
52 33.3 25.8 38.8

Manual Integrations

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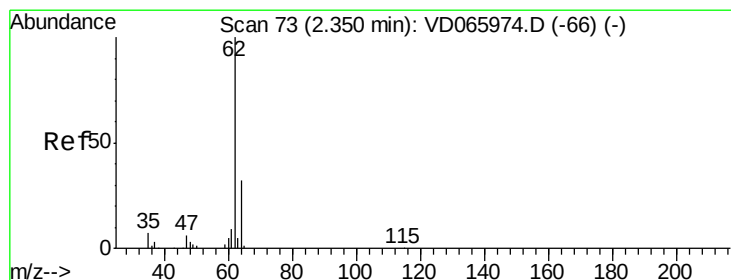
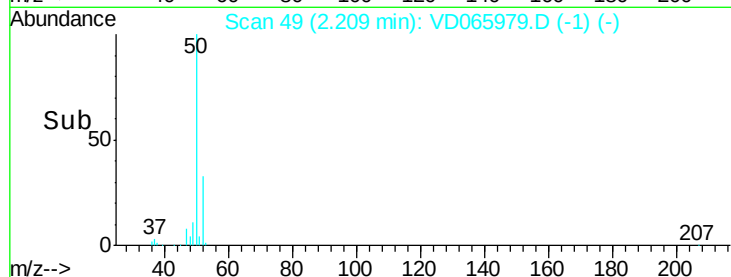
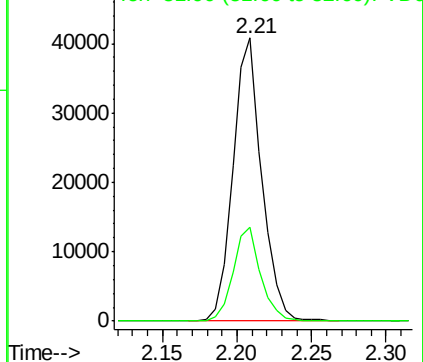
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.397 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065979.D

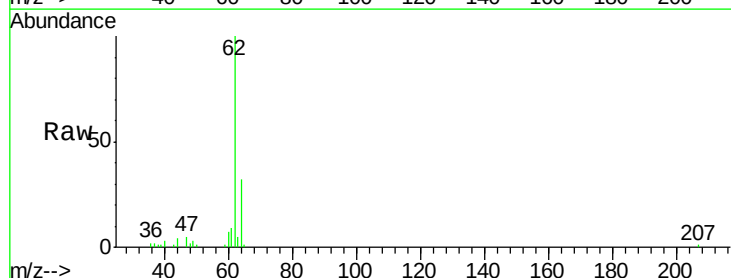
Acq: 21 Jul 2020 14:49

Tgt Ion: 62 Resp: 48590

Ion Ratio Lower Upper

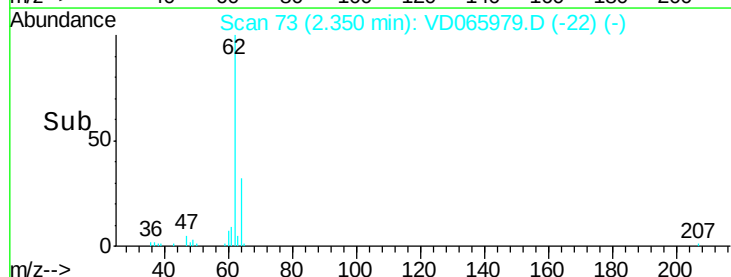
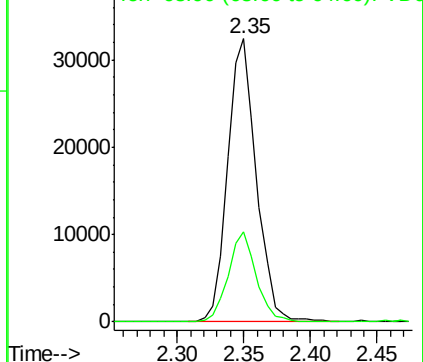
62 100

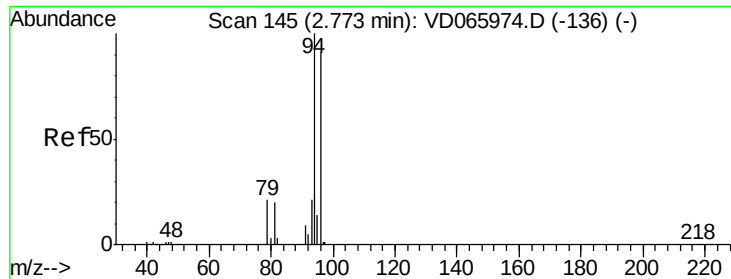
64 31.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 18.397 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion: 94 Resp: 34444

Ion Ratio Lower Upper

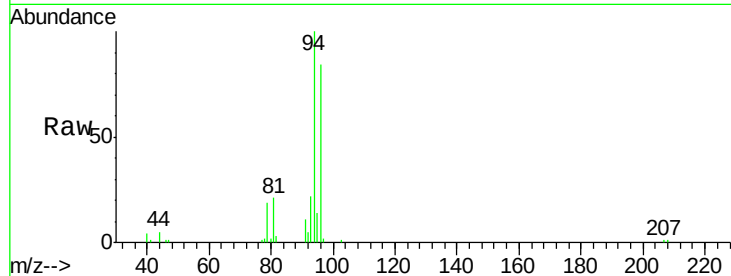
94 100

96 84.3 73.0 109.4

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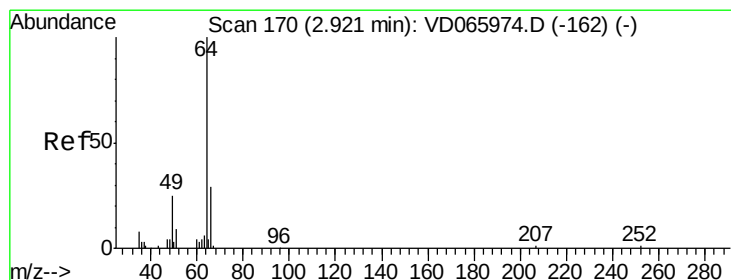
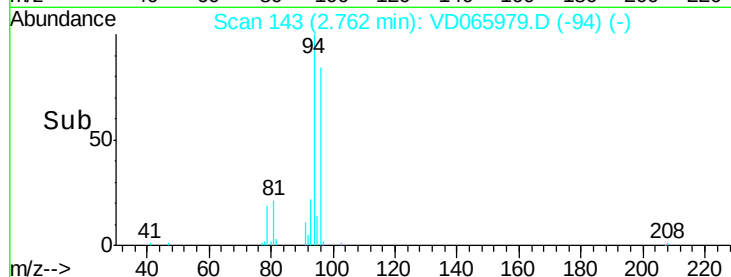
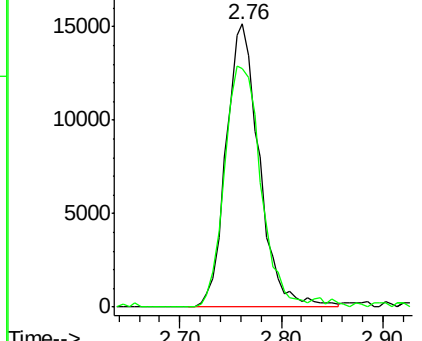
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 22.086 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065979.D

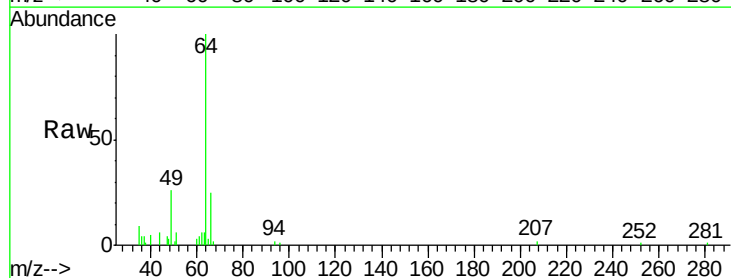
Acq: 21 Jul 2020 14:49

Tgt Ion: 64 Resp: 29939

Ion Ratio Lower Upper

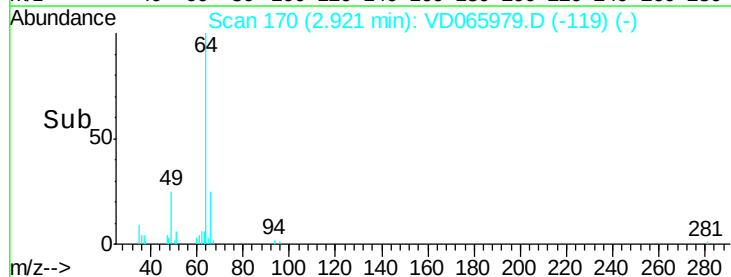
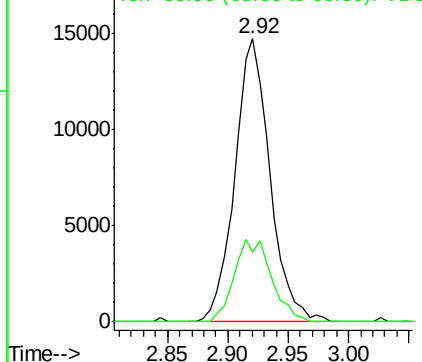
64 100

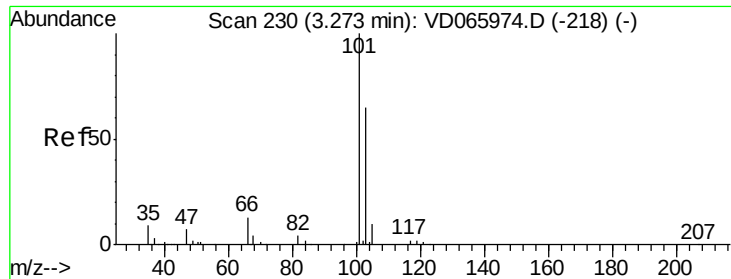
66 24.7 23.4 35.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

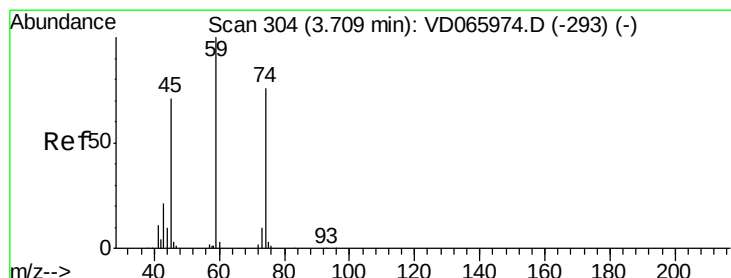
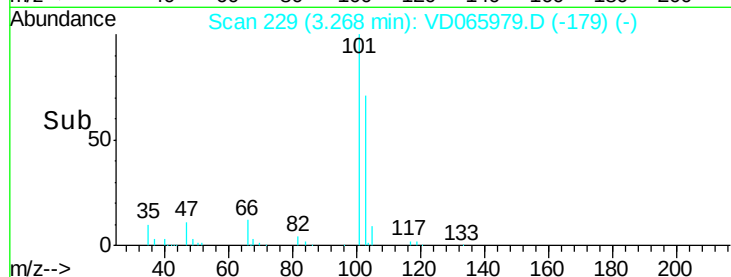
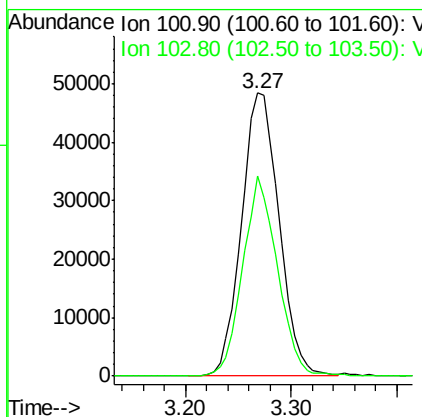
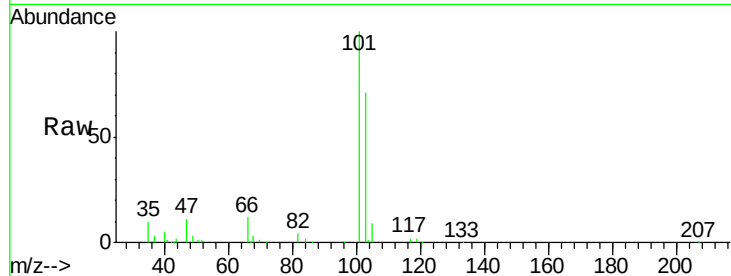
Trichlorofluoromethane
Concen: 21.708 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Instrument :
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ClientSampleId :
VD0721SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	70.5	52.1	78.1

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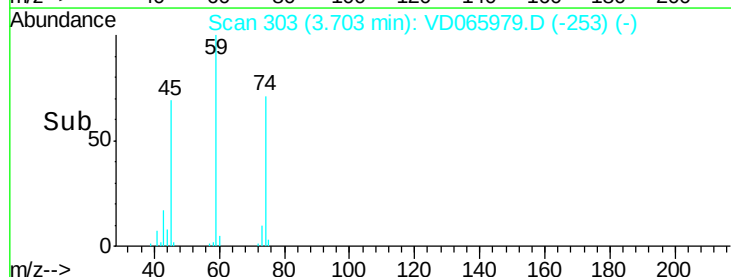
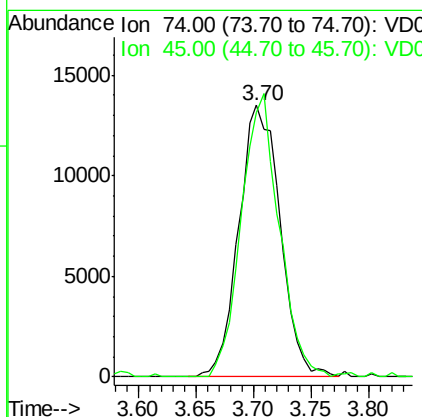
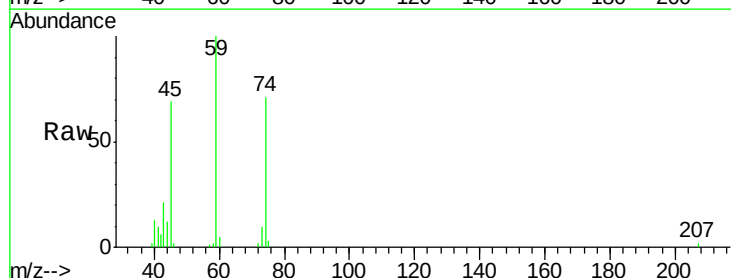
MMDadoda
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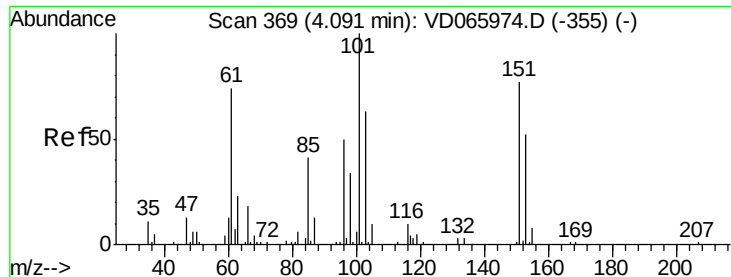


#8

Diethyl Ether
Concen: 22.038 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.3	49.9	149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.512 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Instrument :

MSVOA_D

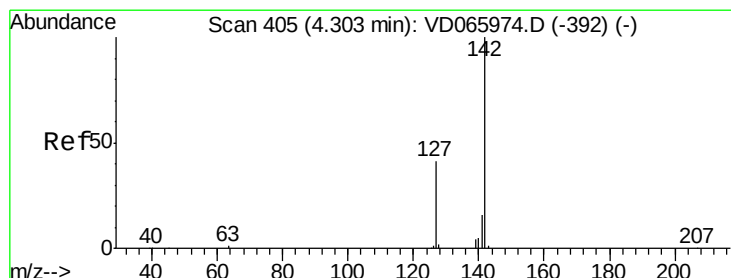
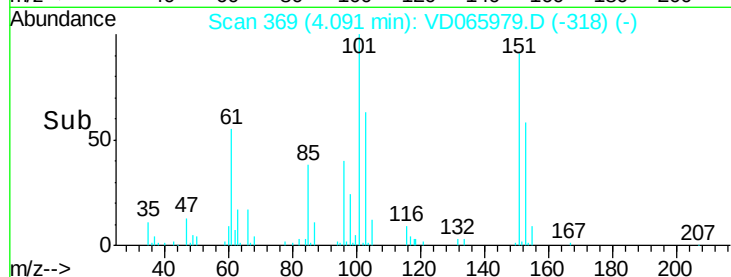
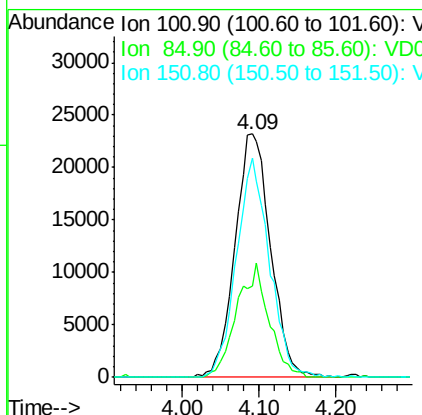
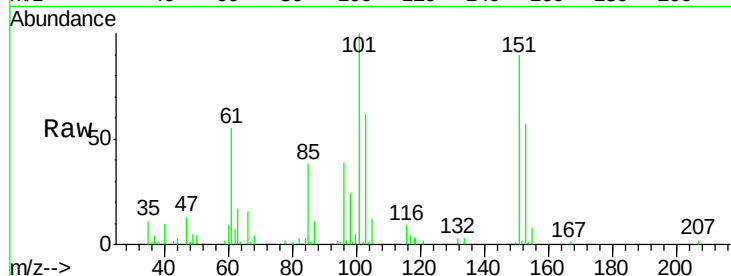
ClientSampleId :

VD0721SBS01

Tot Ion:	101	Resp:	75079
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.6	50.4
151	83.7	66.6	99.8

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#10

Methyl Iodide

Concen: 26.155 ug/l

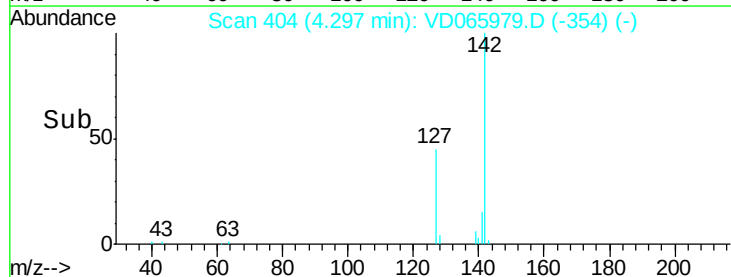
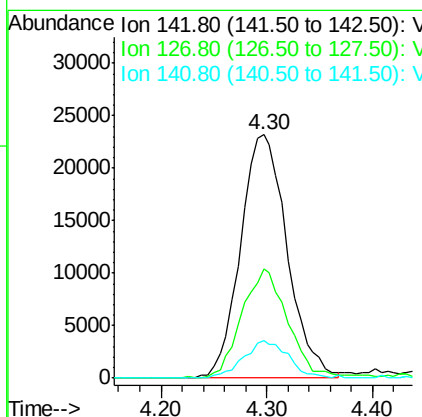
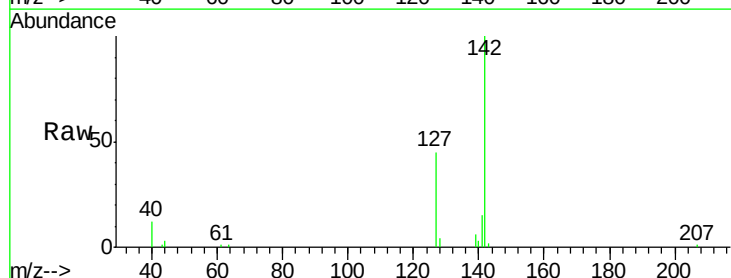
RT: 4.30 min Scan# 404

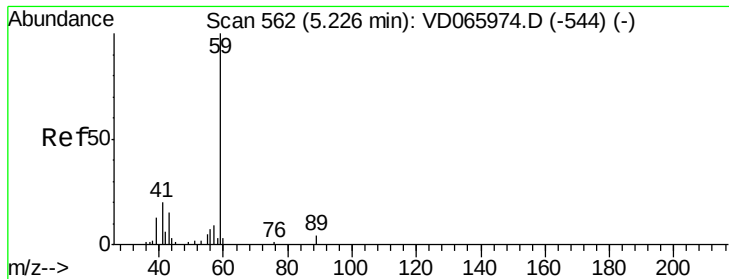
Delta R.T. -0.01 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Tgt Ion:	142	Resp:	70929
Ion Ratio	Lower	Upper	
142	100		
127	44.1	32.9	49.3
141	14.7	11.8	17.6





#11

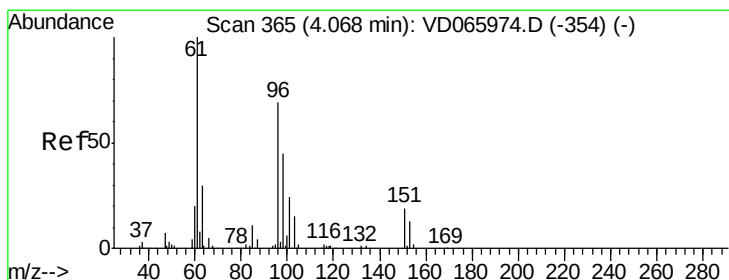
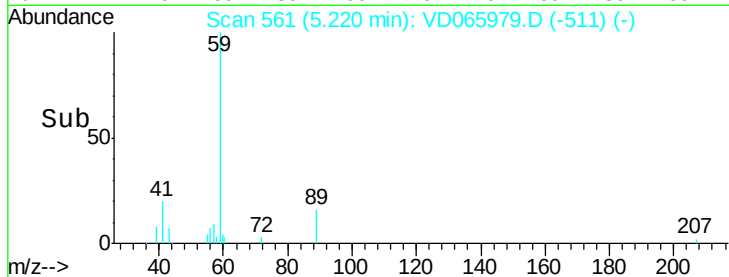
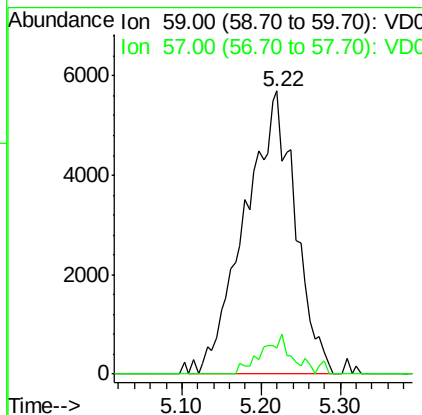
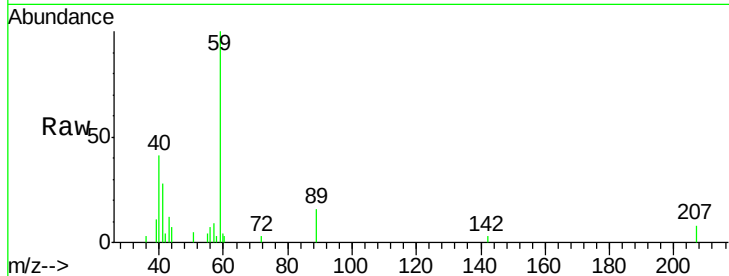
Tert butyl alcohol
Concen: 112.126 ug/l
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.3	4.5	6.7#

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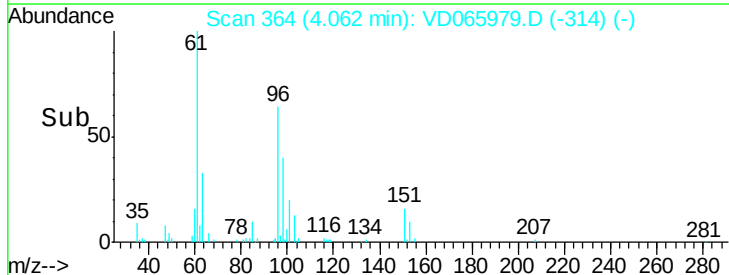
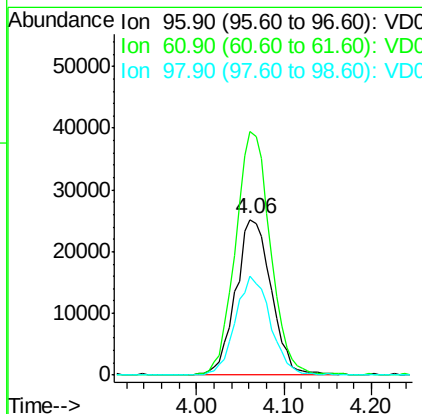
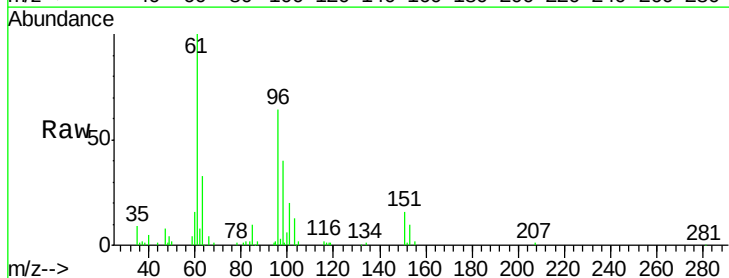
MMDadoda
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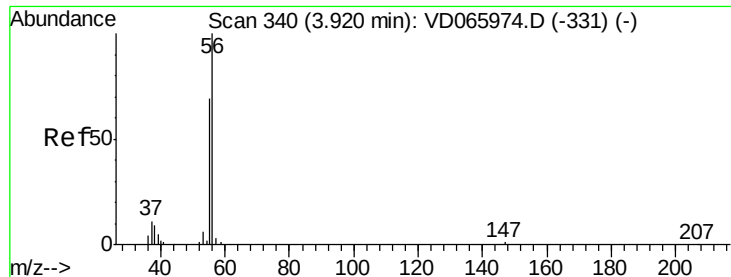


#12

1,1-Dichloroethene
Concen: 21.841 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.6	115.4	173.0
98	63.3	51.5	77.3





#13

Acrolein

Concen: 96.096 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion: 56 Resp: 25366

Ion Ratio Lower Upper

56 100

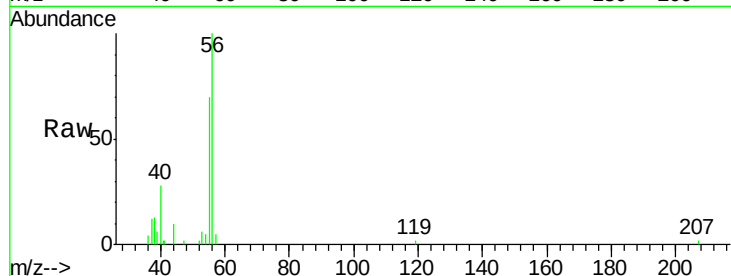
55 72.6 55.8 83.8

Manual Integrations

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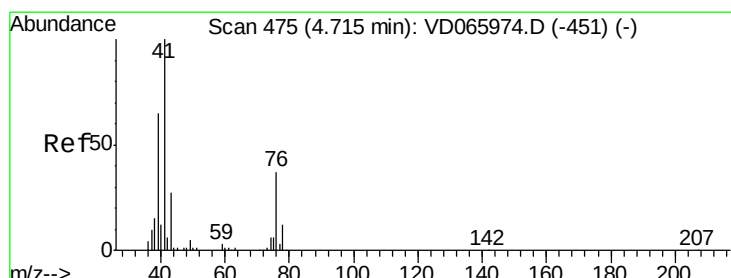
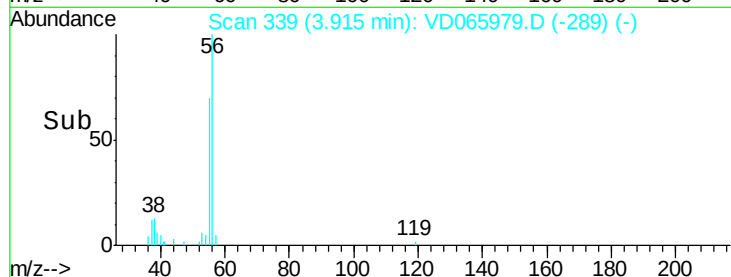
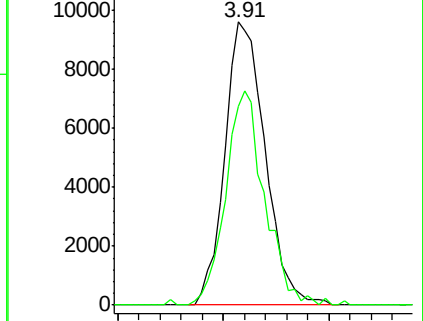
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.462 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

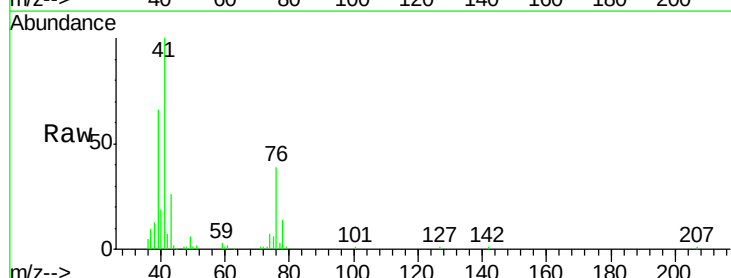
Tgt Ion: 41 Resp: 106803

Ion Ratio Lower Upper

41 100

39 68.5 53.4 80.2

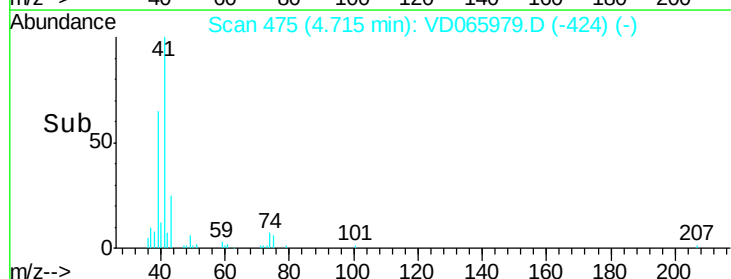
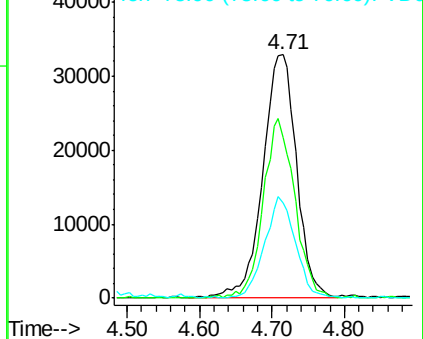
76 38.0 29.1 43.7

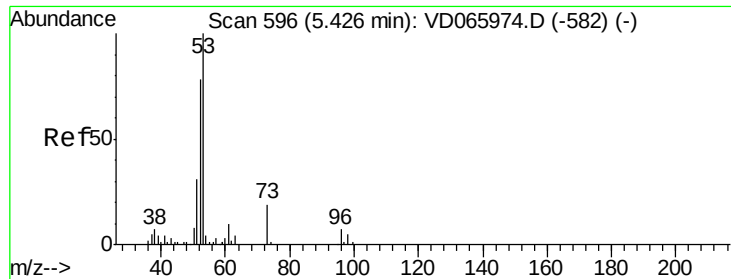


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 103.556 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Instrument :

MSVOA_D

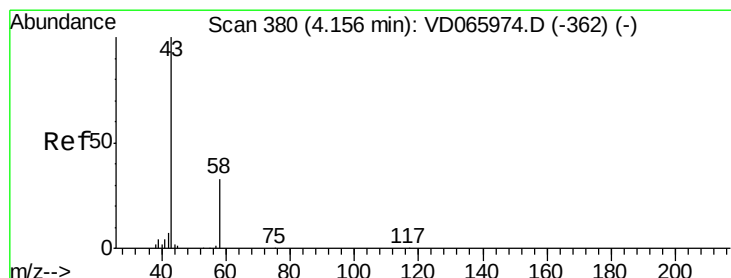
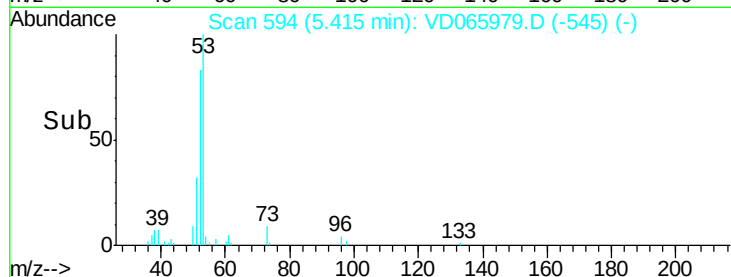
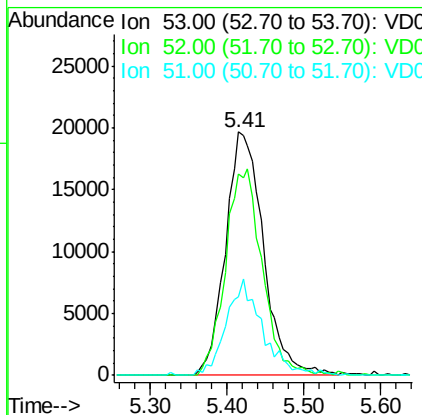
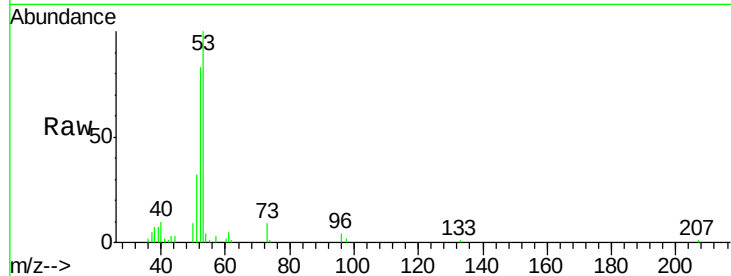
ClientSampleId :

VD0721SBS01

Tot Ion:	53	Resp:	67545
Ion	Ratio	Lower	Upper
53	100		
52	81.8	67.1	100.7
51	37.7	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 94.396 ug/l

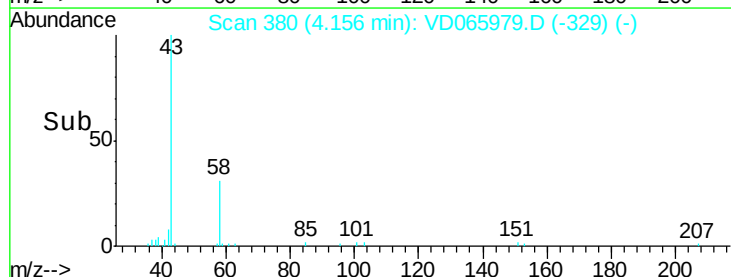
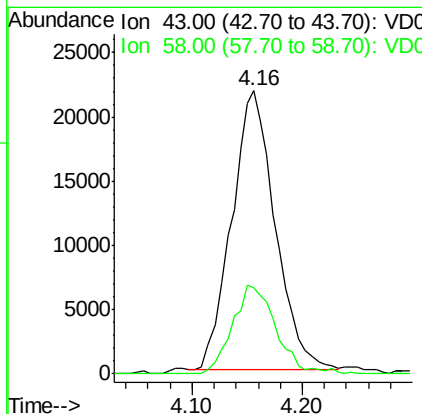
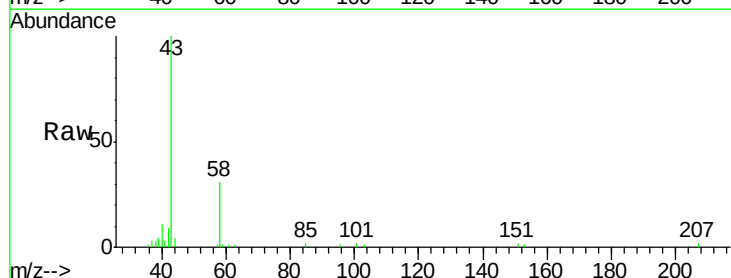
RT: 4.16 min Scan# 380

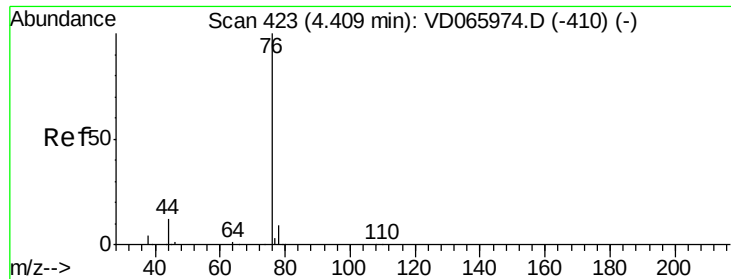
Delta R.T. 0.00 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Tgt Ion:	43	Resp:	59863
Ion	Ratio	Lower	Upper
43	100		
58	31.0	26.3	39.5





#17

Carbon Disulfide

Concen: 21.724 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion: 76 Resp: 224331

Ion Ratio Lower Upper

76 100

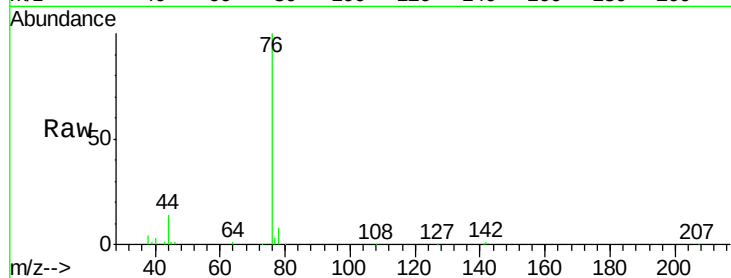
78 8.3 7.4 11.2

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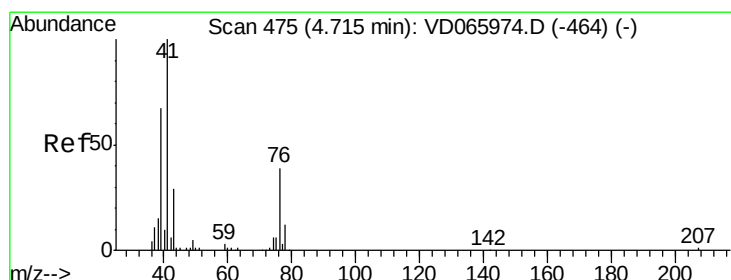
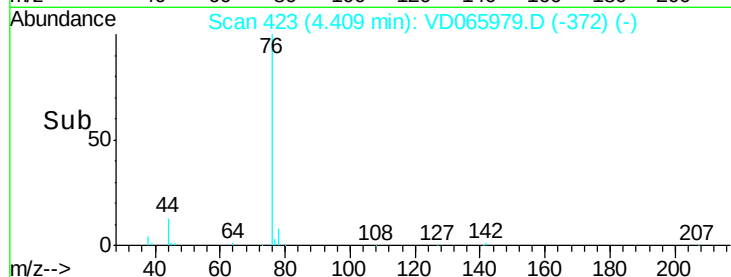
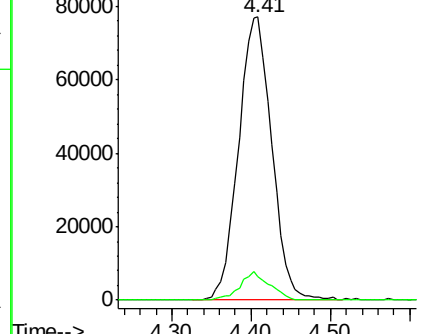
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 18.903 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065979.D

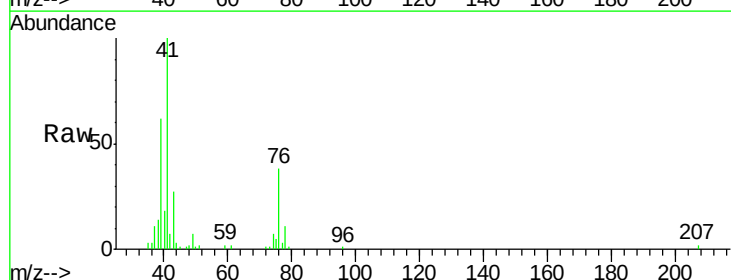
Acq: 21 Jul 2020 14:49

Tgt Ion: 43 Resp: 27887

Ion Ratio Lower Upper

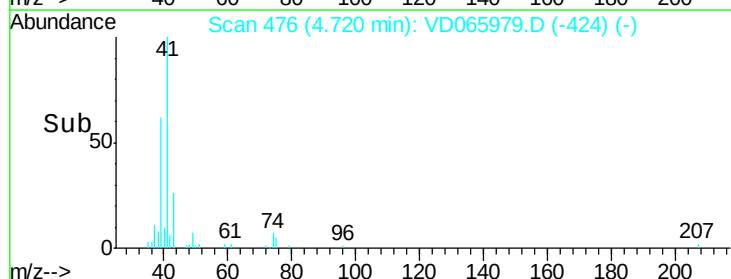
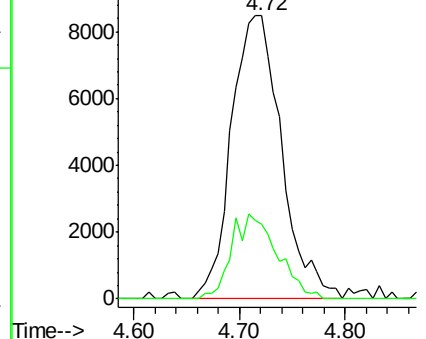
43 100

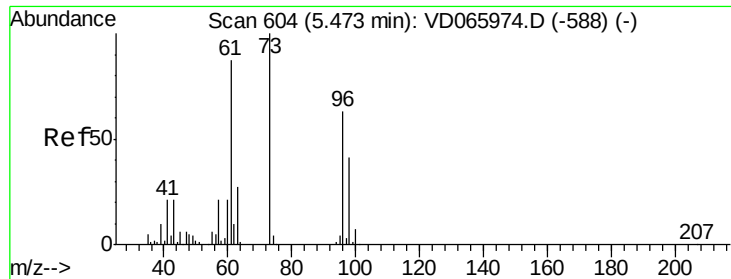
74 27.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





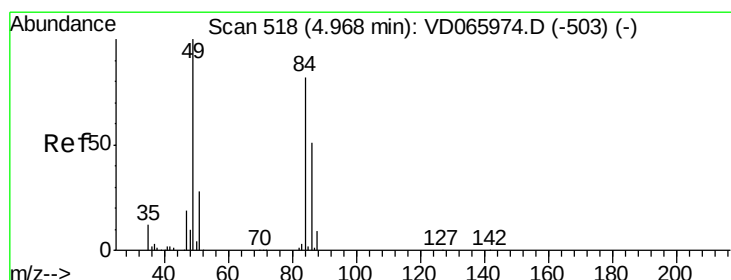
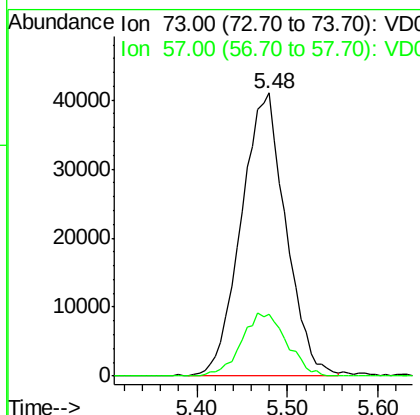
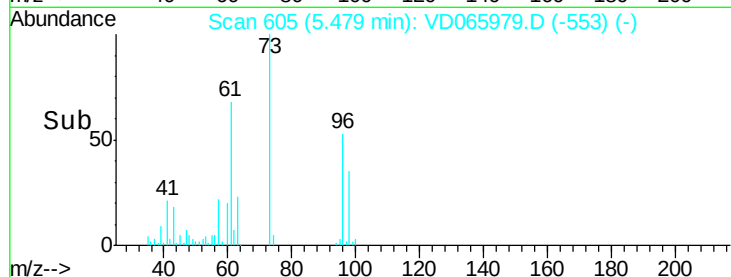
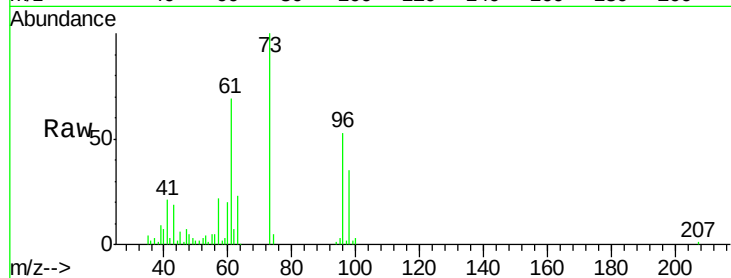
#19
Methyl tert-butyl Ether
Concen: 21.474 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion: 73 Resp: 140462
Ion Ratio Lower Upper
73 100
57 22.1 17.0 25.4

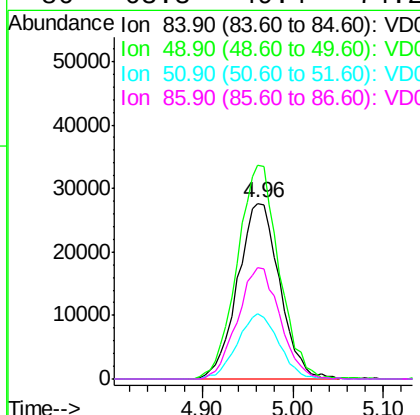
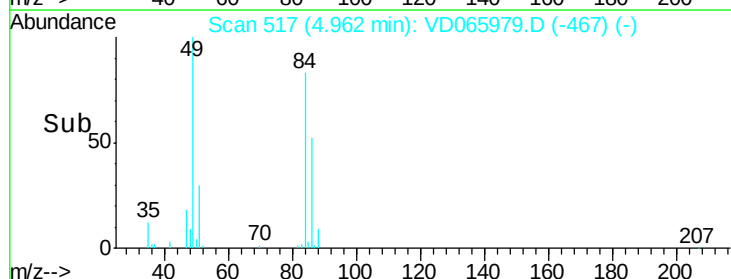
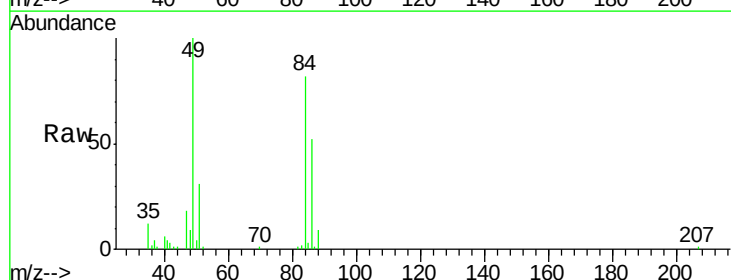
Manual Integrations
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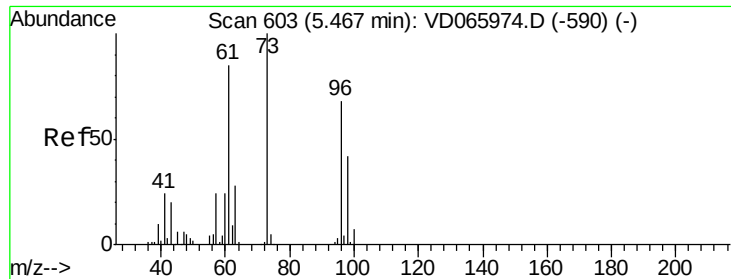
MMDadoda
7/22/2020 2:44:32 PM



#20
Methylene Chloride
Concen: 23.913 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Tgt Ion: 84 Resp: 89276
Ion Ratio Lower Upper
84 100
49 121.6 97.7 146.5
51 37.3 27.4 41.2
86 63.3 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 21.982 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion: 96 Resp: 79093

Ion Ratio Lower Upper

96 100

61 128.8 100.5 150.7

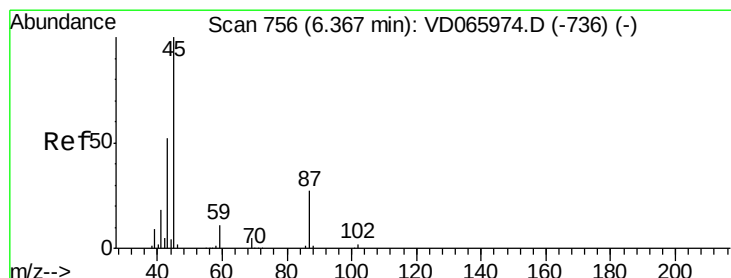
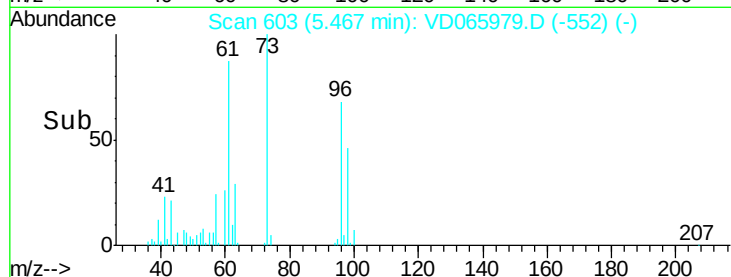
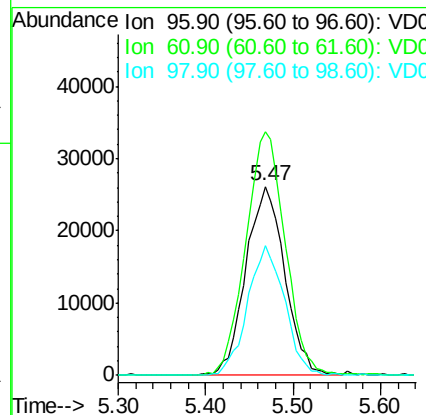
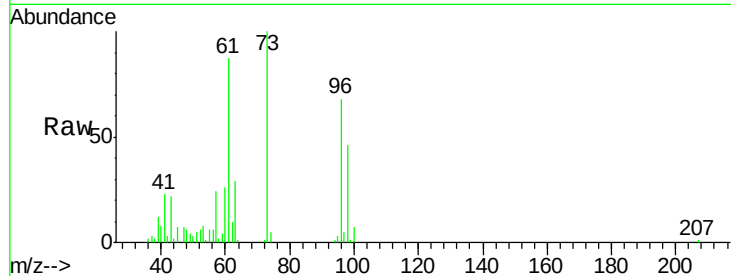
98 68.4 49.7 74.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 22.221 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Tgt Ion: 45 Resp: 210088

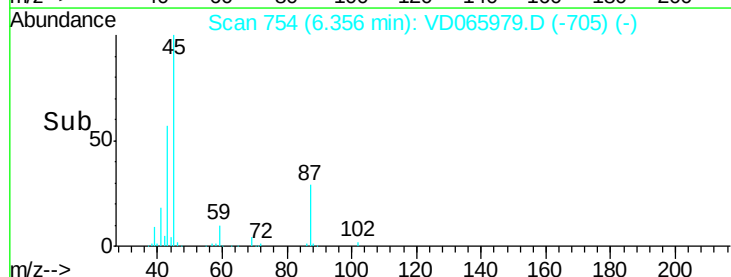
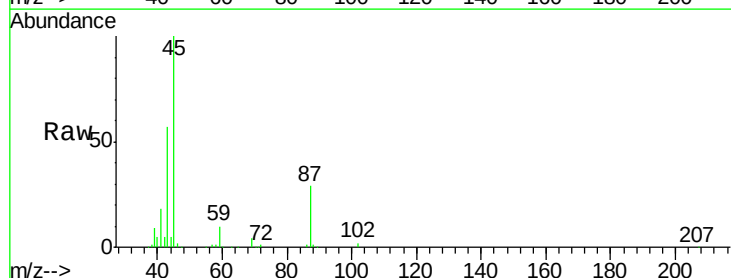
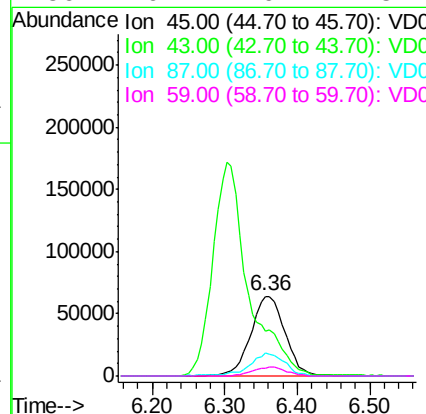
Ion Ratio Lower Upper

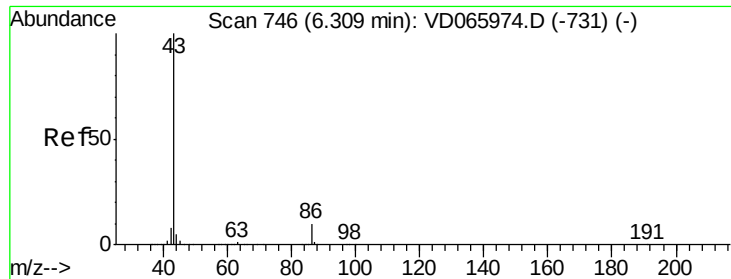
45 100

43 55.8 43.0 64.4

87 28.6 22.0 33.0

59 10.4 9.1 13.7





#23

Vinyl Acetate

Concen: 109.865 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion: 43 Resp: 585795

Ion Ratio Lower Upper

43 100

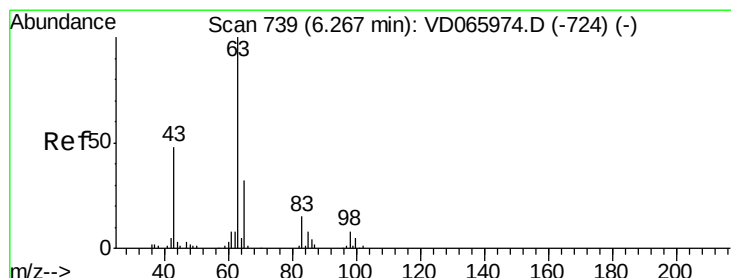
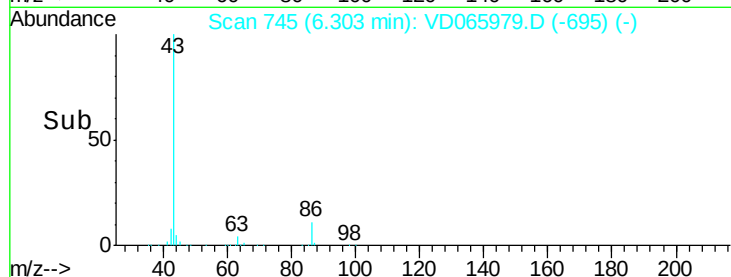
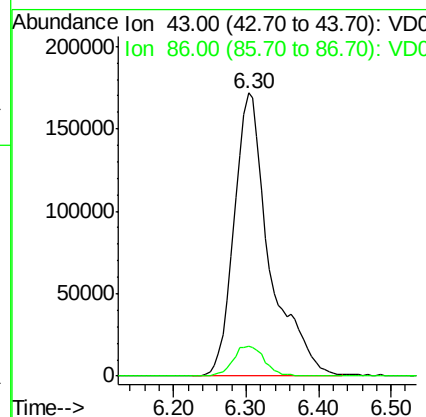
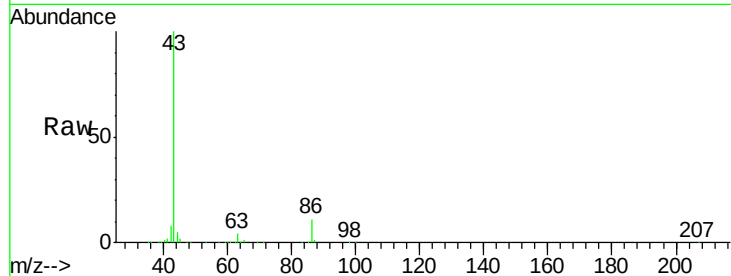
86 10.7 7.9 11.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 22.484 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

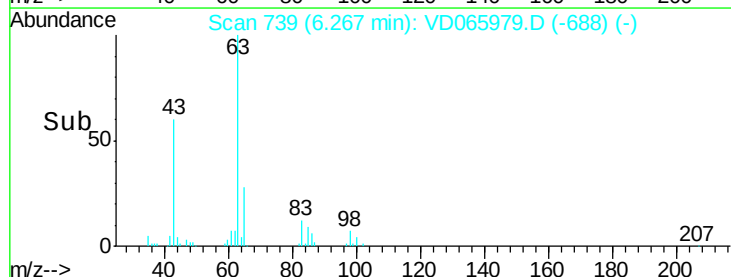
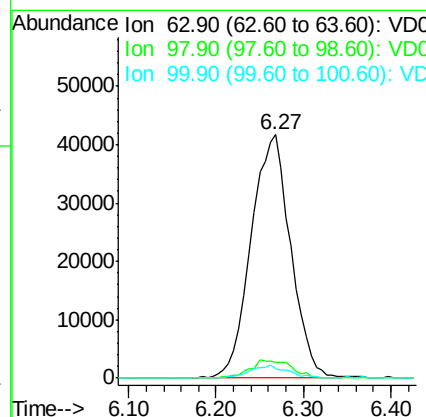
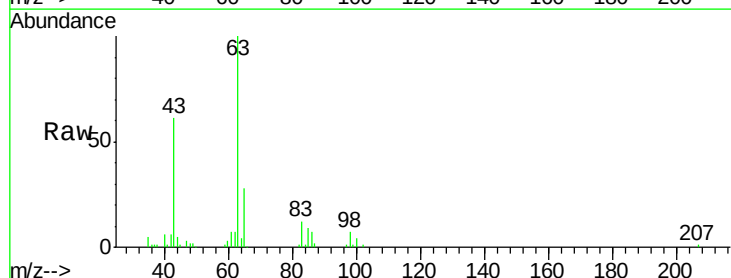
Tgt Ion: 63 Resp: 128802

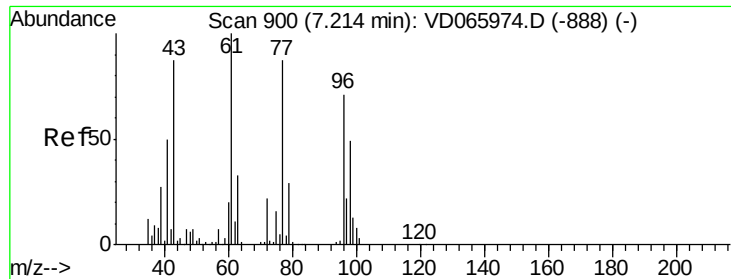
Ion Ratio Lower Upper

63 100

98 6.6 4.3 12.8

100 4.0 2.5 7.5





#25

2-Butanone

Concen: 101.997 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion: 43 Resp: 85830

Ion Ratio Lower Upper

43 100

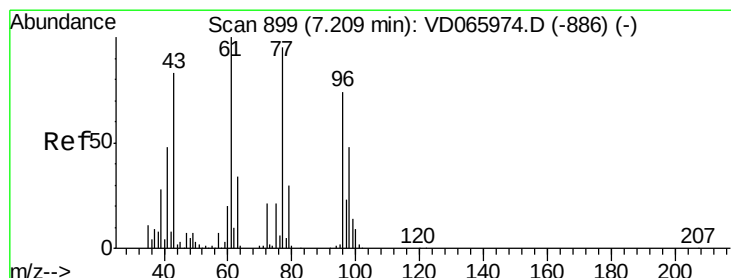
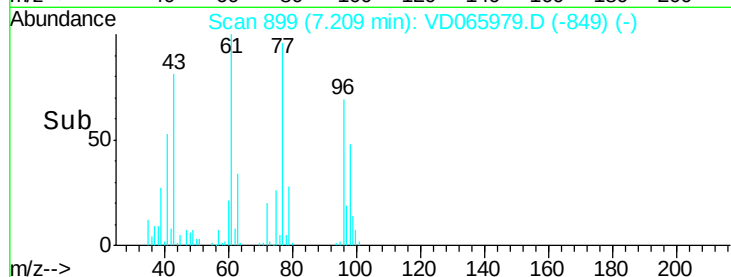
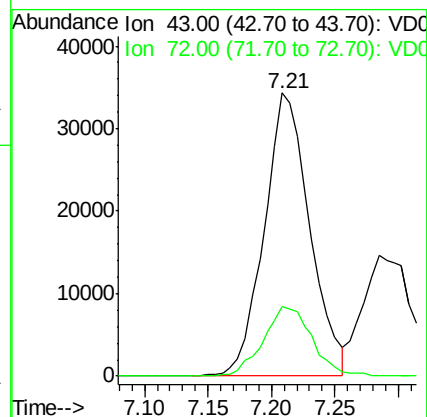
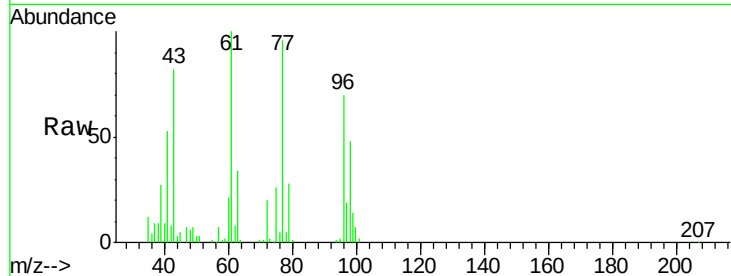
72 24.6 20.2 30.2

Manual Integrations

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MMDadoda

7/22/2020 2:44:32 PM



#26

2,2-Dichloropropane

Concen: 22.415 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065979.D

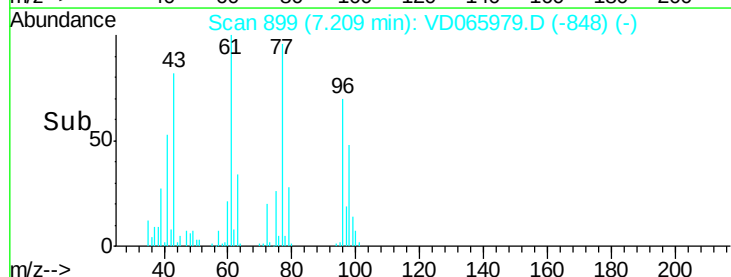
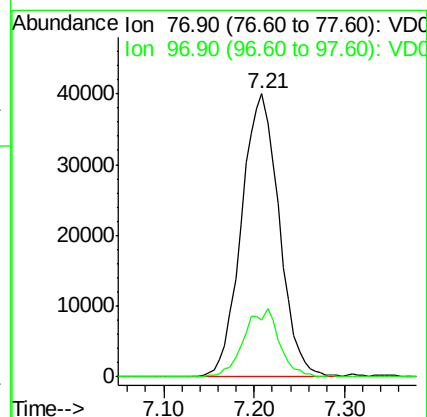
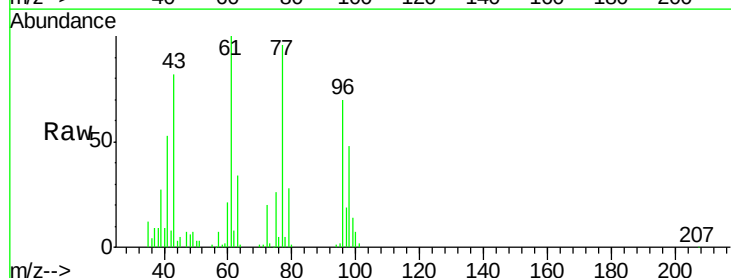
Acq: 21 Jul 2020 14:49

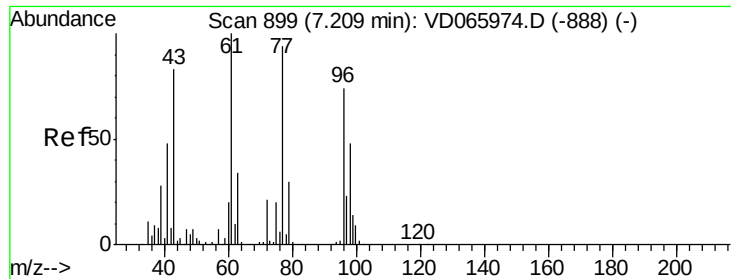
Tgt Ion: 77 Resp: 115471

Ion Ratio Lower Upper

77 100

97 22.5 11.6 34.7





#27

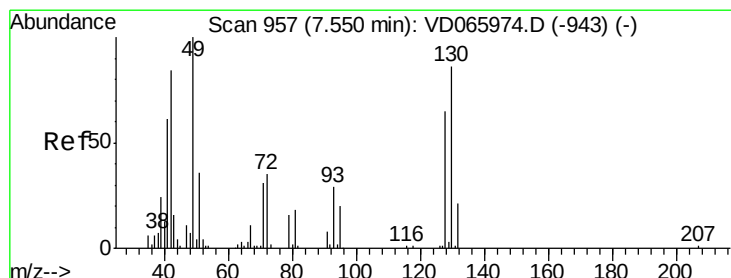
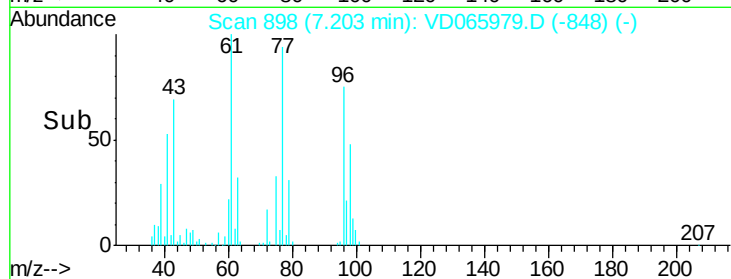
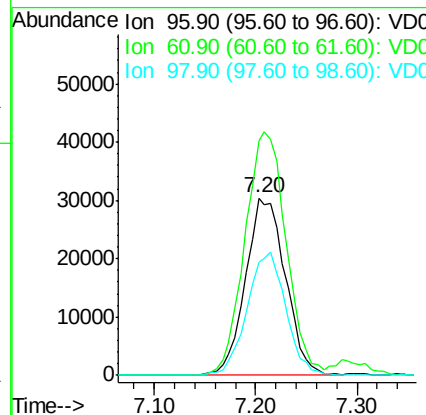
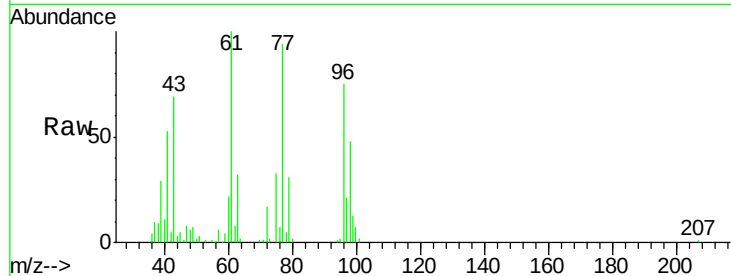
cis-1,2-Dichloroethene
Concen: 21.763 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.2	0.0	276.6
98	67.6	0.0	130.8

Manual Integrations
APPROVED

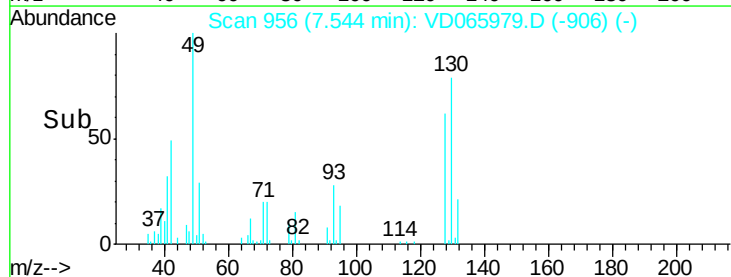
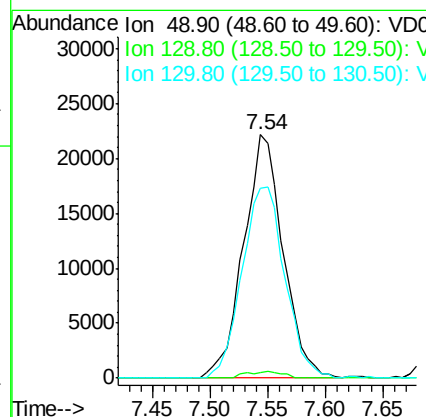
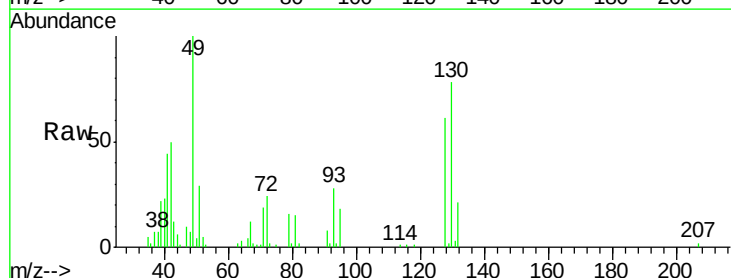
MMDadoda
7/22/2020 2:44:32 PM

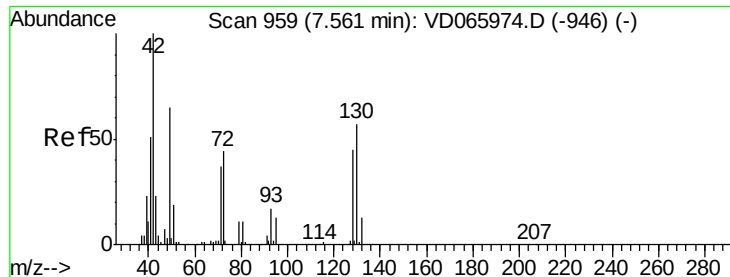


#28

Bromochloromethane
Concen: 21.727 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	85.0	68.4	102.6





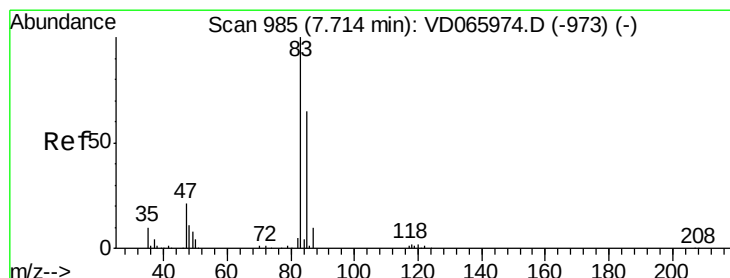
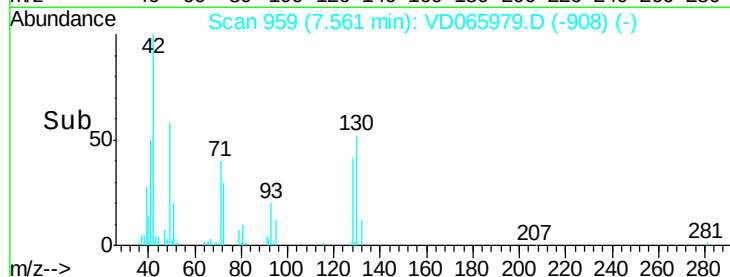
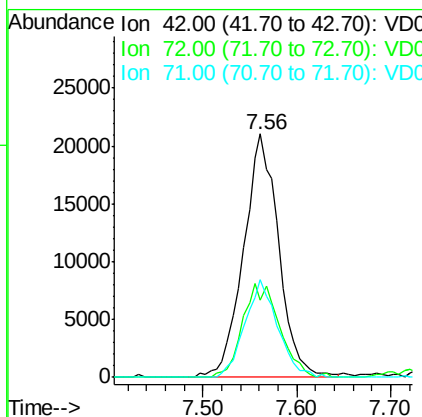
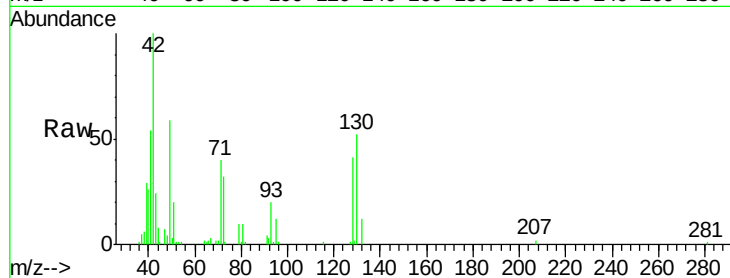
#29
Tetrahydrofuran
Concen: 104.776 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	34.2	51.2
71	37.5	31.4	47.2

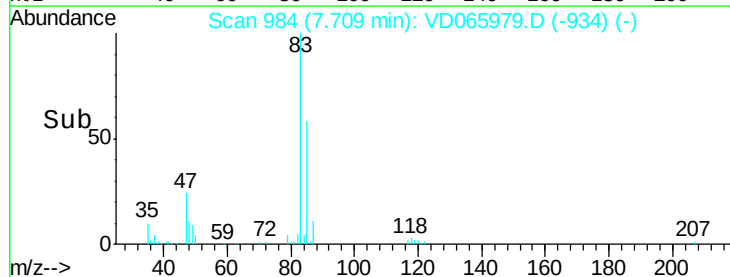
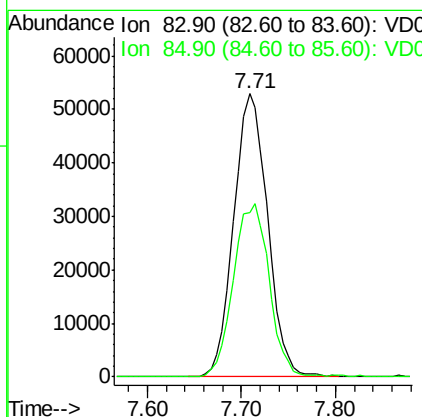
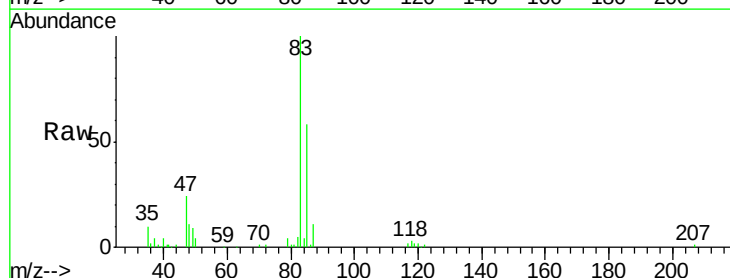
Manual Integrations
APPROVED

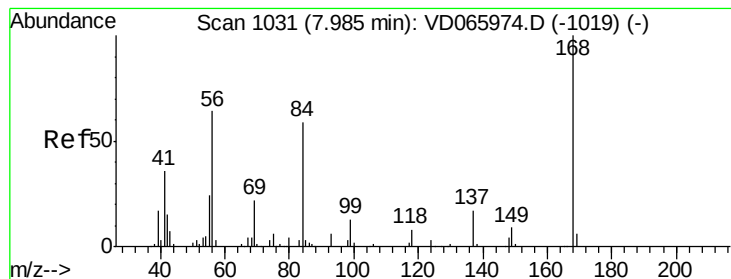
MMDadoda
7/22/2020 2:44:32 PM



#30
Chloroform
Concen: 22.068 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.9	52.1	78.1





#31

Cyclohexane

Concen: 21.409 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Instrument :

MSVOA_D

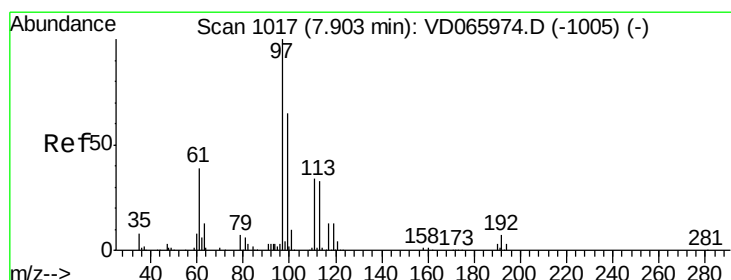
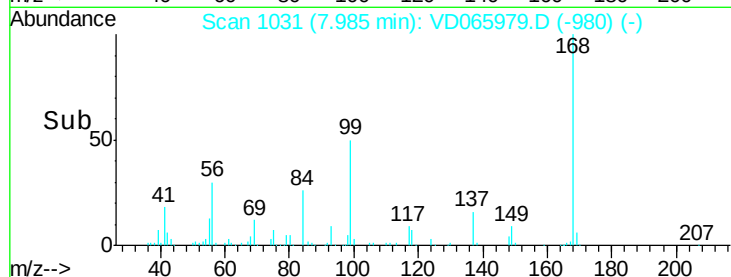
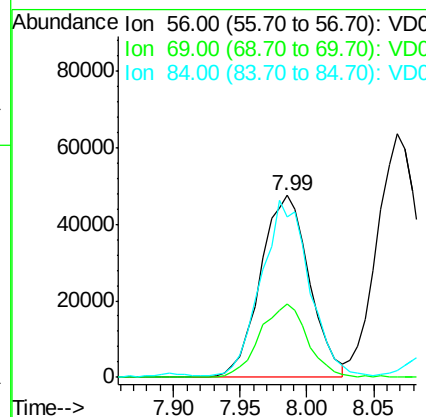
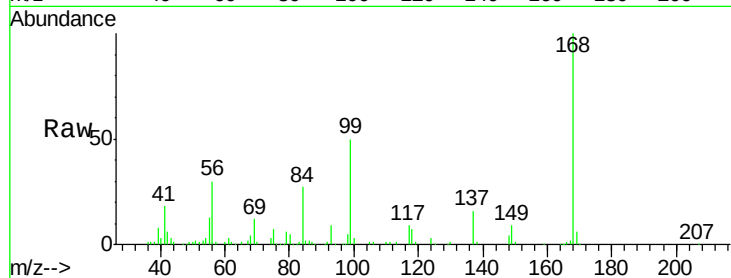
ClientSampleId :

VD0721SBS01

Tot Ion:	56	Resp:	120658
Ion Ratio		Lower	Upper
56	100		
69	40.6	28.0	42.0
84	86.9	72.6	109.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.368 ug/l

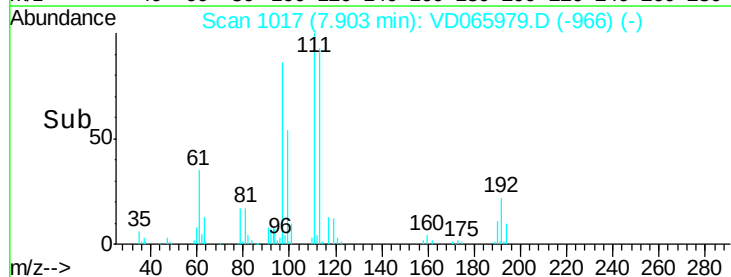
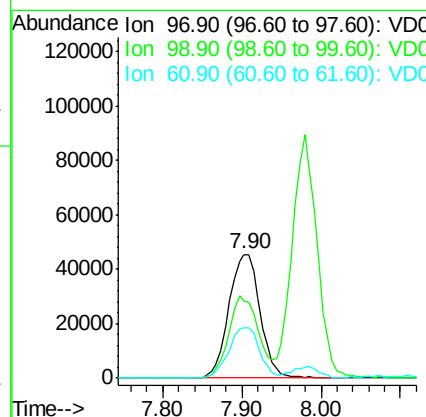
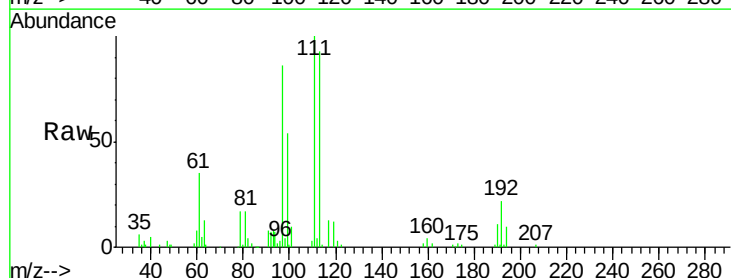
RT: 7.90 min Scan# 1017

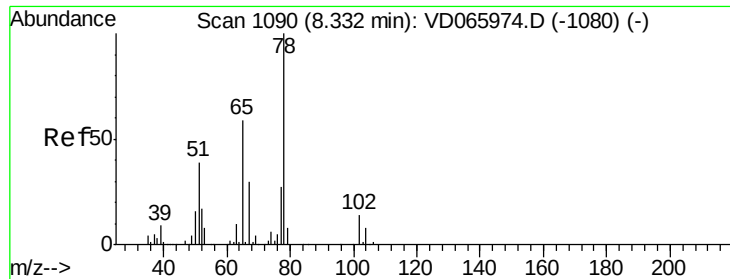
Delta R.T. 0.00 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Tgt Ion:	97	Resp:	123982
Ion Ratio		Lower	Upper
97	100		
99	63.1	51.8	77.6
61	40.2	33.3	49.9





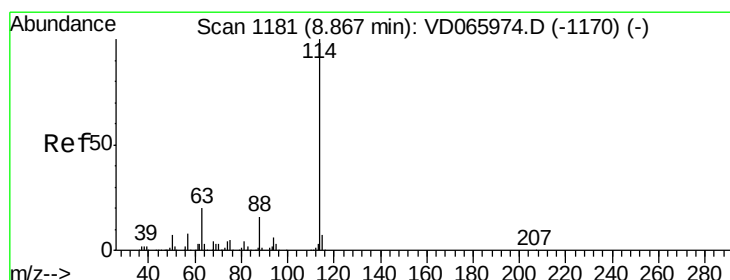
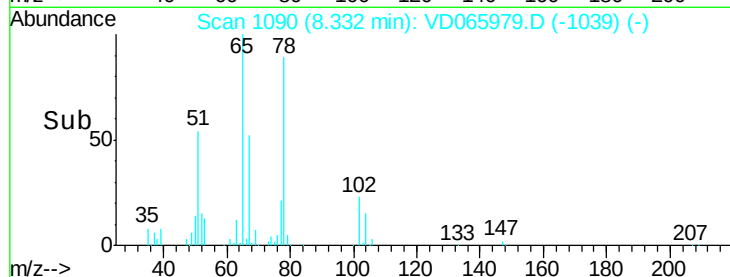
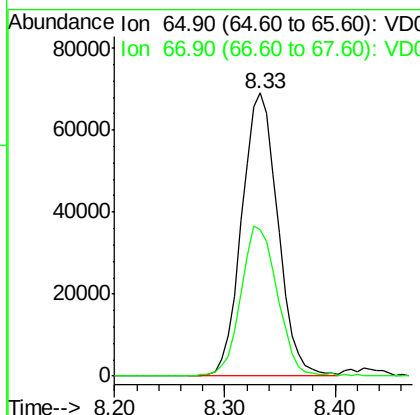
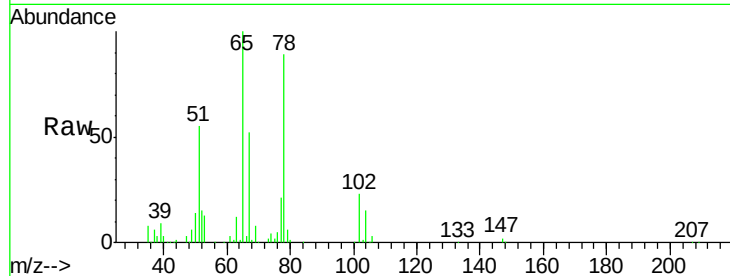
#33
 1,2-Dichloroethane-d4
 Concen: 50.625 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065979.D
 Acq: 21 Jul 2020 14:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	158610		
67	53.7	0.0	105.0	

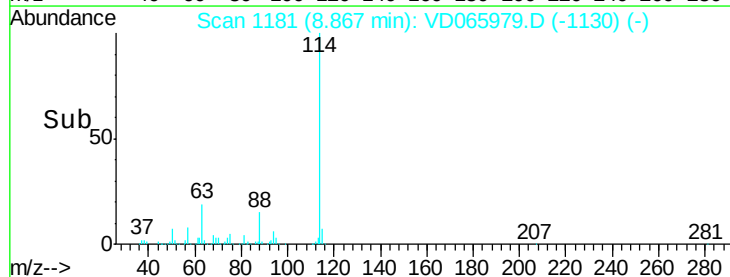
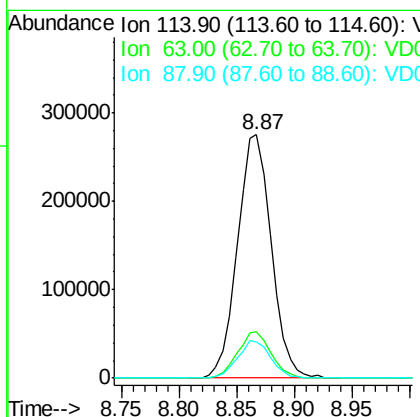
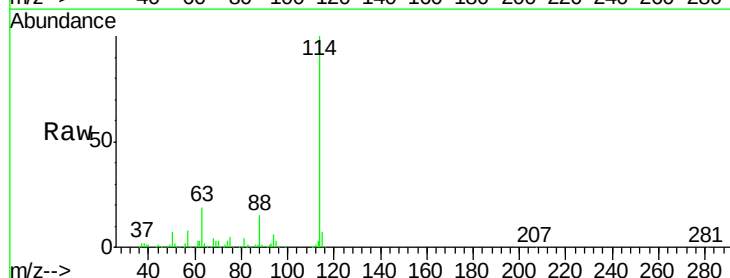
Manual Integrations
 APPROVED

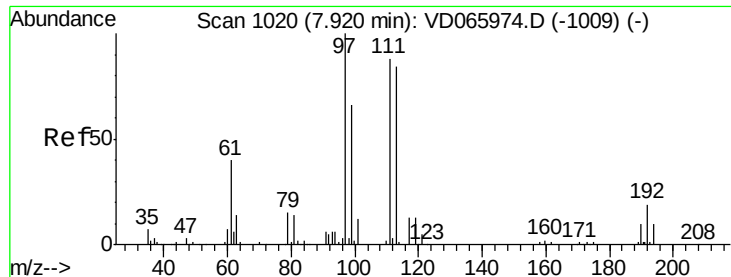
MMDadoda
 7/22/2020 2:44:32 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065979.D
 Acq: 21 Jul 2020 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	560348		
63	18.9	0.0	39.6	
88	14.8	0.0	31.2	





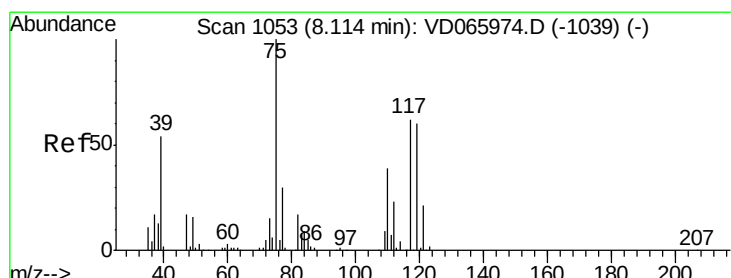
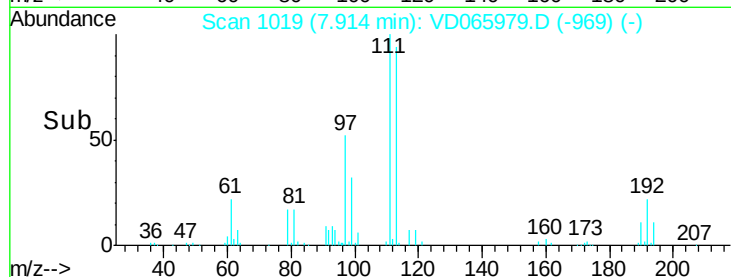
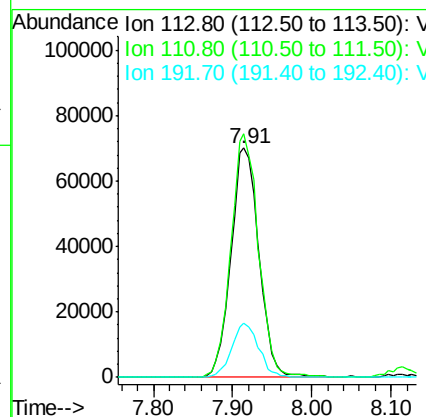
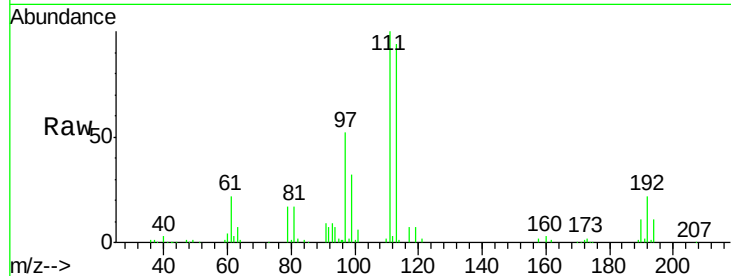
#35
 Dibromofluoromethane
 Concen: 50.361 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065979.D
 Acq: 21 Jul 2020 14:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	171162		
111	104.6	83.2	124.8	
192	22.8	18.7	28.1	

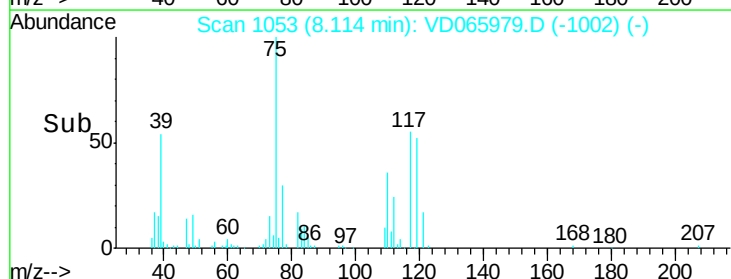
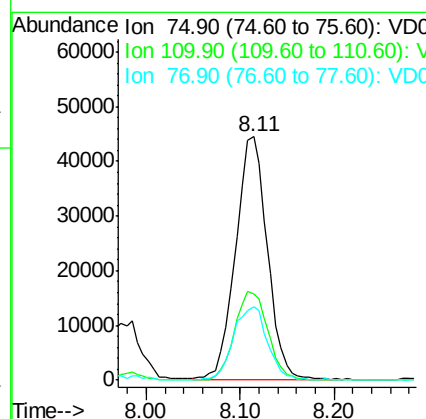
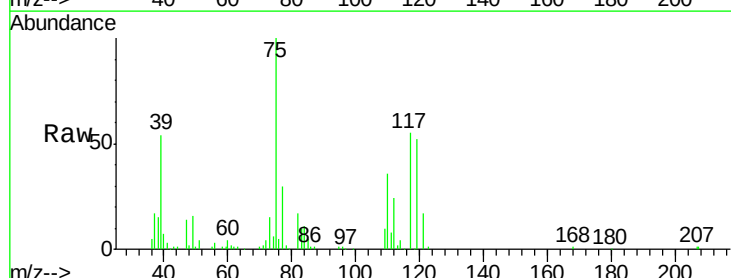
Manual Integrations
 APPROVED

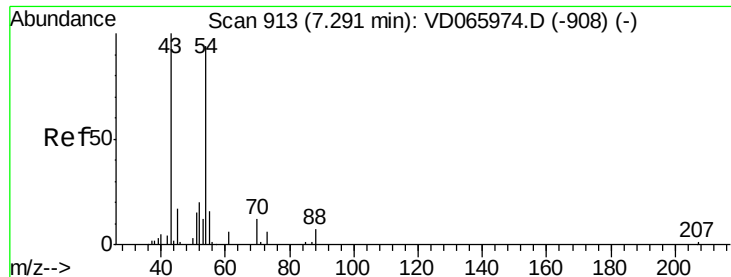
MMDadoda
 7/22/2020 2:44:32 PM



#36
 1,1-Dichloropropene
 Concen: 21.925 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065979.D
 Acq: 21 Jul 2020 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	104850		
110	37.9	19.5	58.5	
77	32.3	24.7	37.1	





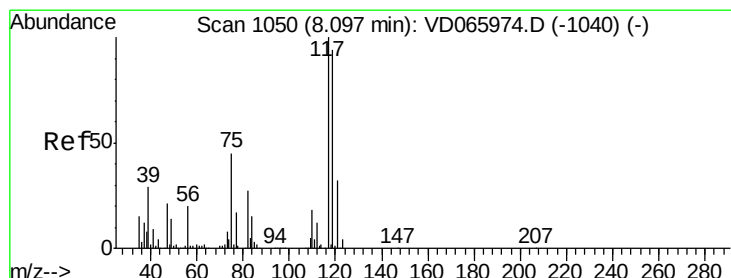
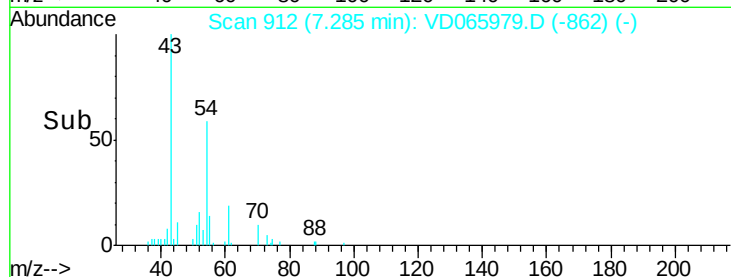
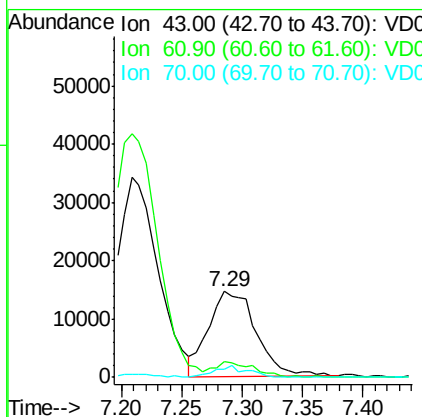
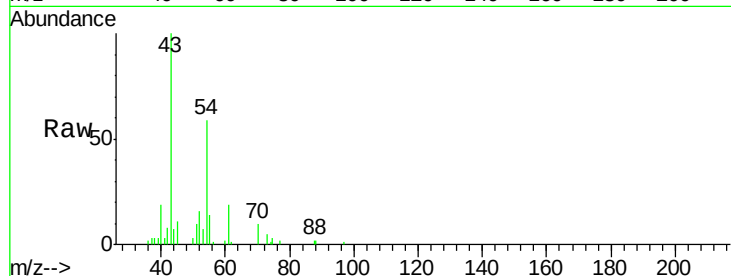
#37
Ethyl Acetate
Concen: 21.833 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.4	17.0
70	9.3	9.3	13.9

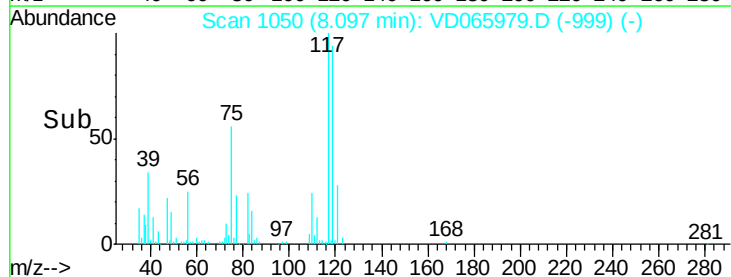
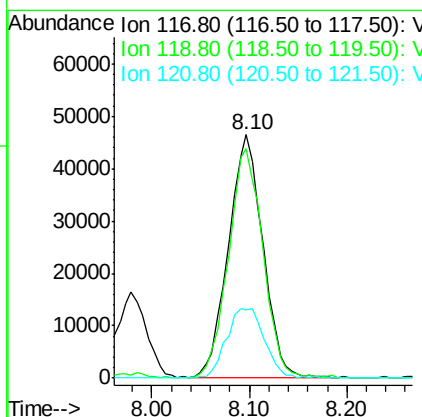
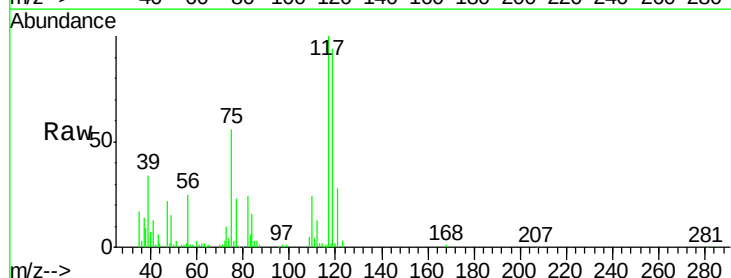
Manual Integrations
APPROVED

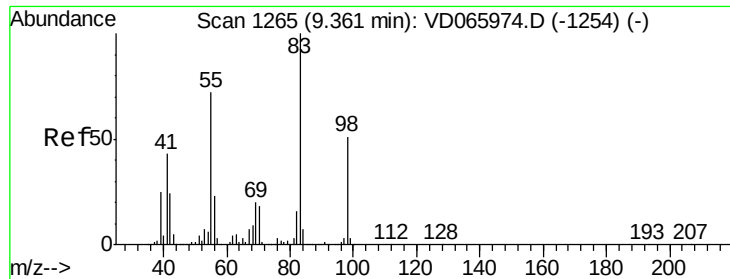
MMDadoda
7/22/2020 2:44:32 PM



#38
Carbon Tetrachloride
Concen: 21.947 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	75.0	112.6
121	28.1	25.5	38.3





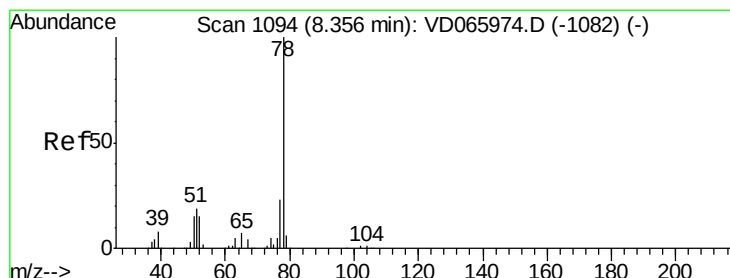
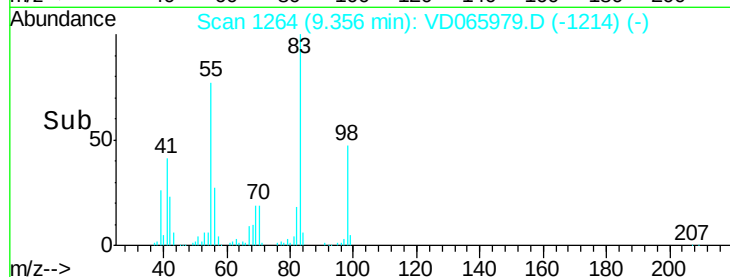
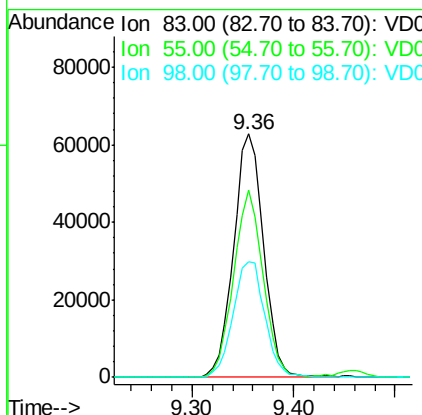
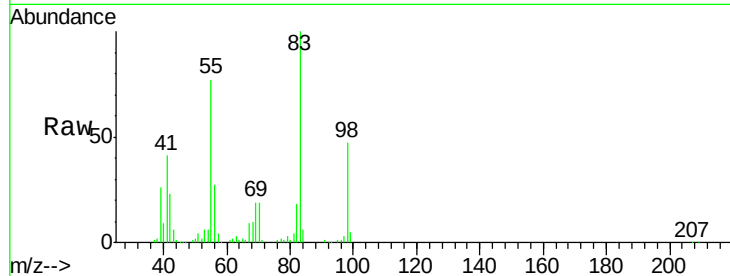
#39
Methylvlcyclohexane
Concen: 22.286 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	57.3	85.9
98	47.5	41.0	61.6

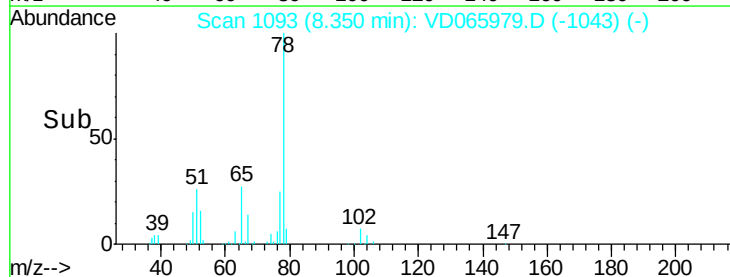
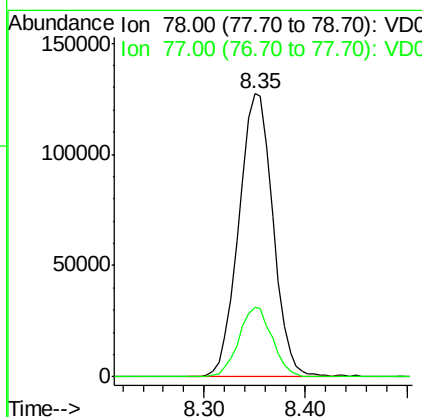
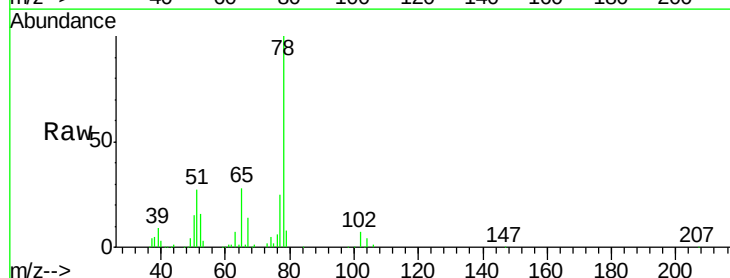
Manual Integrations
APPROVED

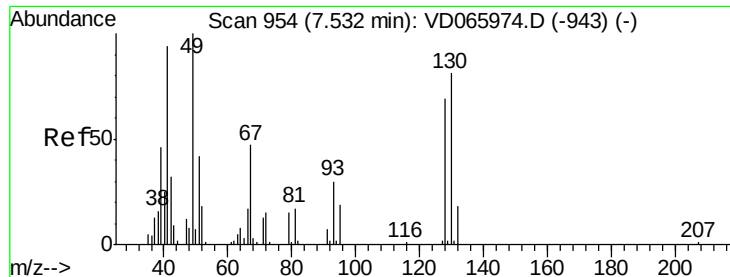
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#40
Benzene
Concen: 22.287 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.6	27.8





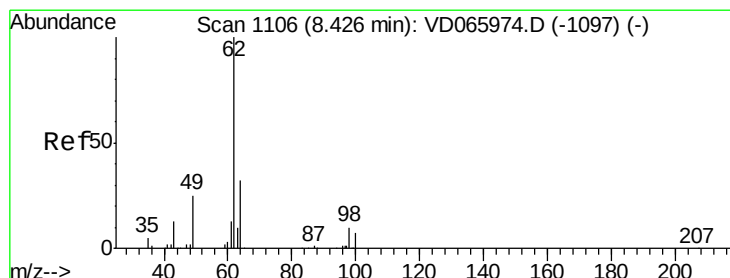
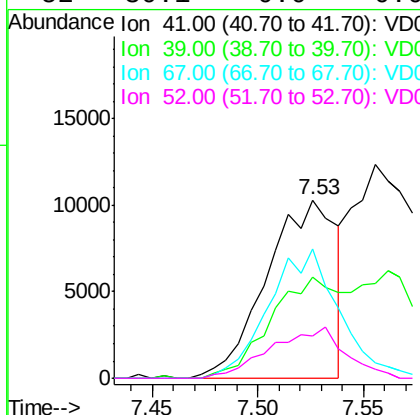
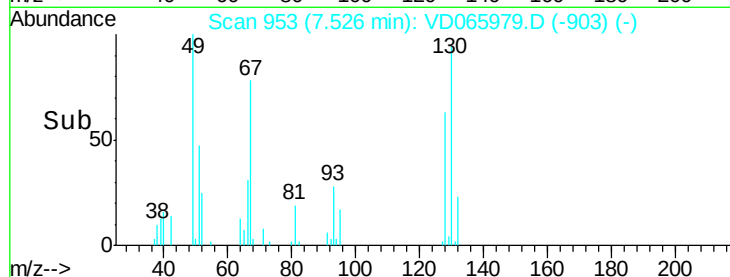
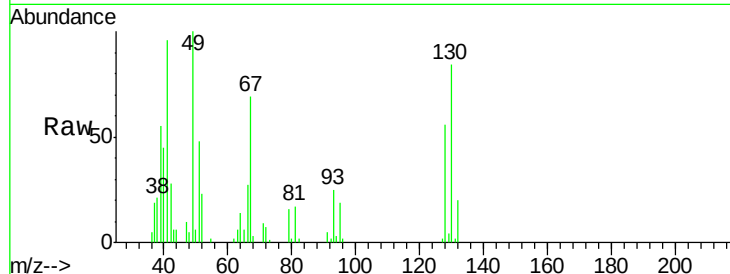
#41
Methacrylonitrile
Concen: 22.611 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	41	Resp	23657
Ion	Ratio	Lower	Upper
41	100		
39	61.5	0.0	0.0#
67	73.5	0.0	0.0#
52	30.1	0.0	0.0#

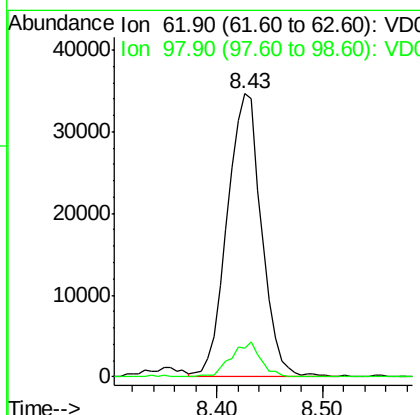
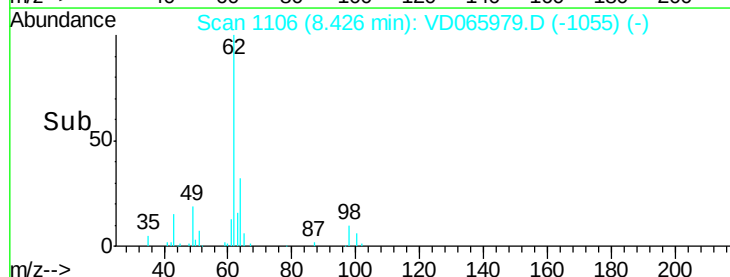
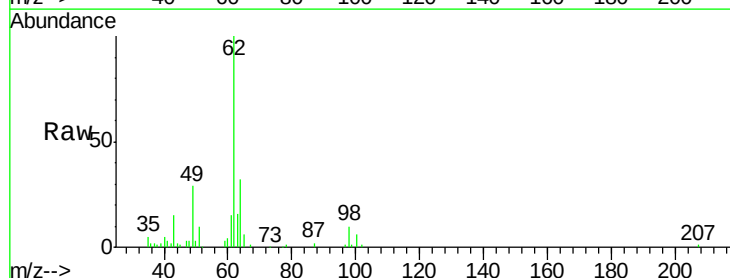
Manual Integrations
APPROVED

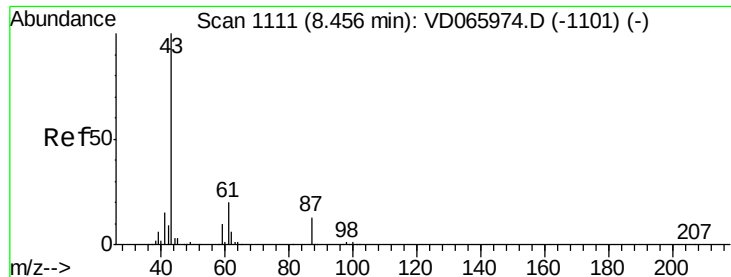
MMDadoda
7/22/2020 2:44:32 PM



#42
1,2-Dichloroethane
Concen: 21.264 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Tgt Ion	62	Resp	77959
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	21.0





#43

Isopropyl Acetate

Concen: 21.449 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Instrument :

MSVOA_D

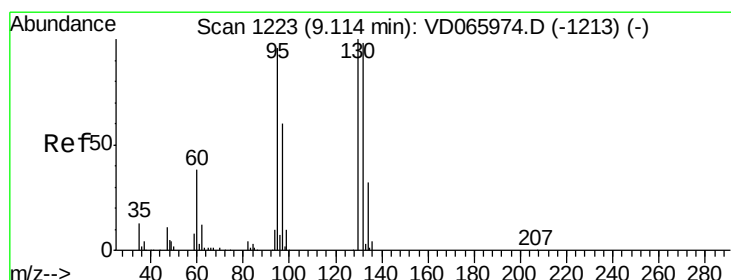
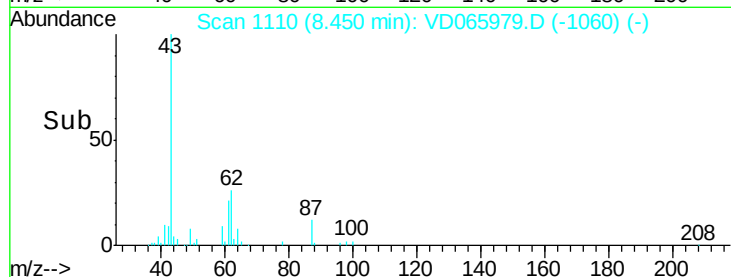
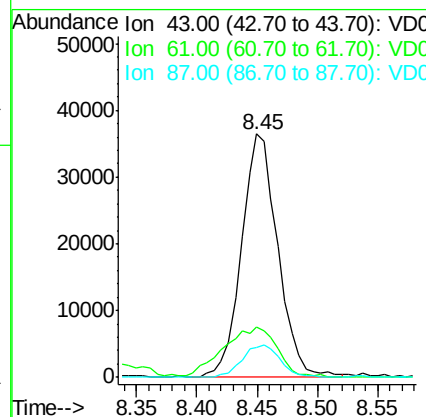
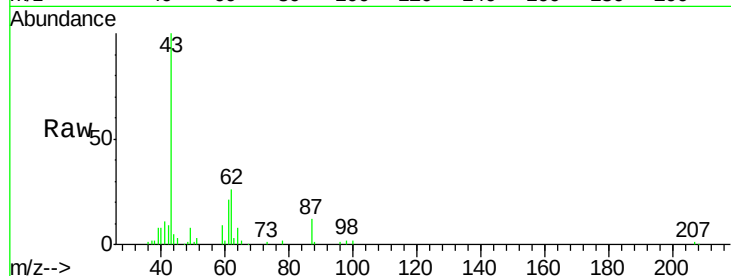
ClientSampleId :

VD0721SBS01

Tot Ion:	43	Resp:	76510
Ion	Ratio	Lower	Upper
43	100		
61	30.7	25.8	38.8
87	13.9	10.9	16.3

Manual Integrations
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#44

Trichloroethene

Concen: 22.007 ug/l

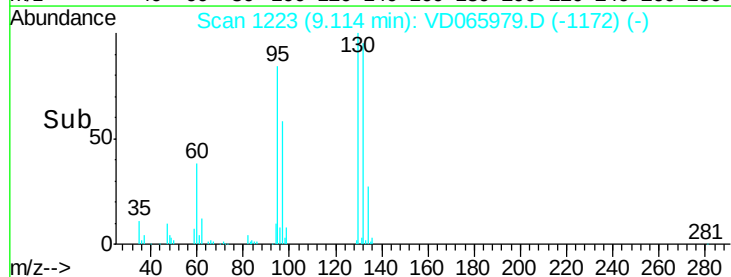
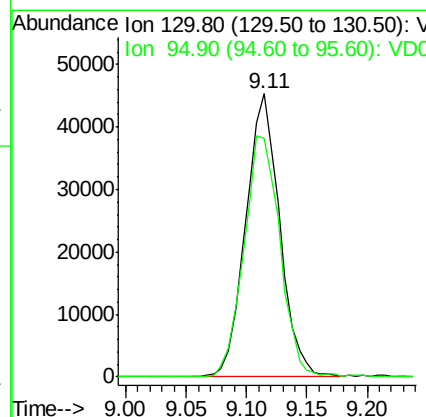
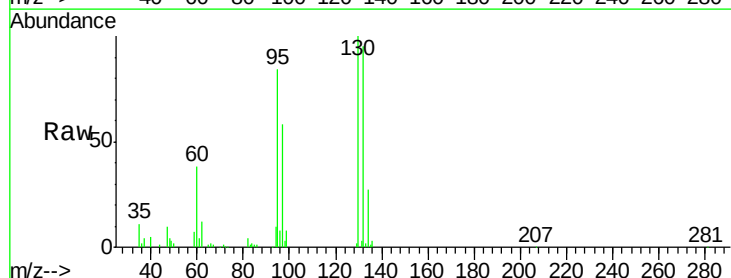
RT: 9.11 min Scan# 1223

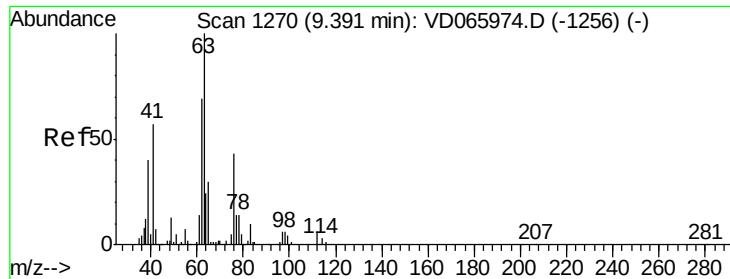
Delta R.T. 0.00 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Tgt Ion:	130	Resp:	89100
Ion	Ratio	Lower	Upper
130	100		
95	84.2	0.0	191.6





#45

1,2-Dichloropropane

Concen: 22.542 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion: 63 Resp: 73043

Ion Ratio Lower Upper

63 100

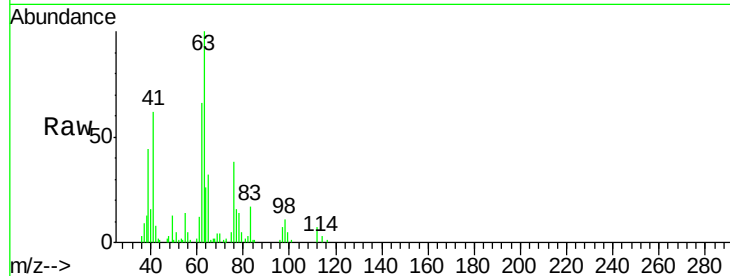
65 32.0 24.0 36.0

Manual Integrations

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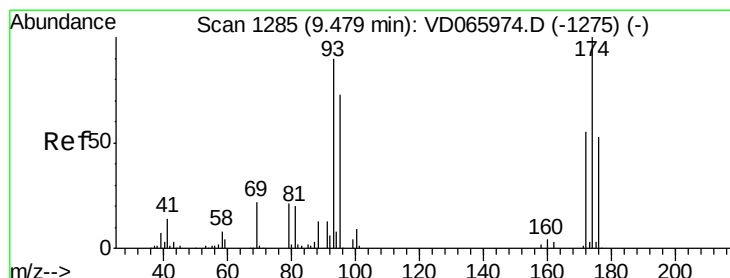
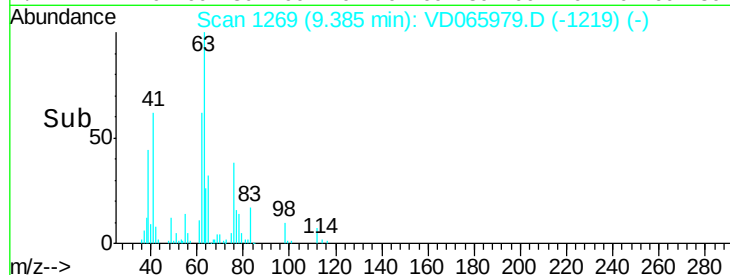
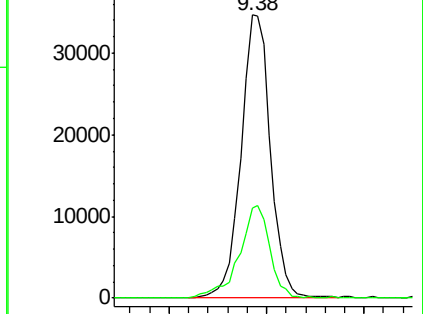
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.439 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

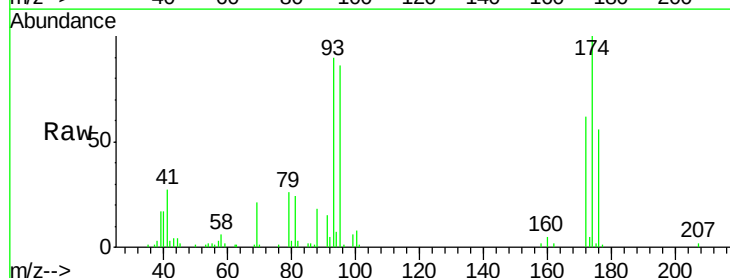
Tgt Ion: 93 Resp: 37398

Ion Ratio Lower Upper

93 100

95 83.6 66.2 99.4

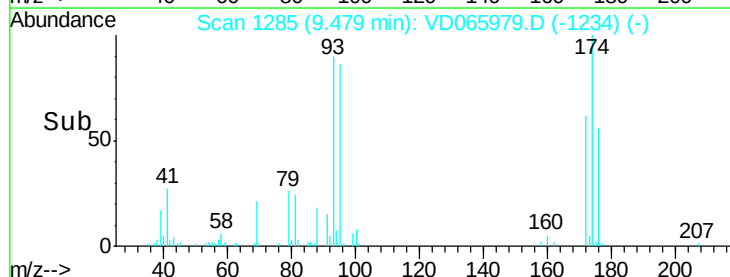
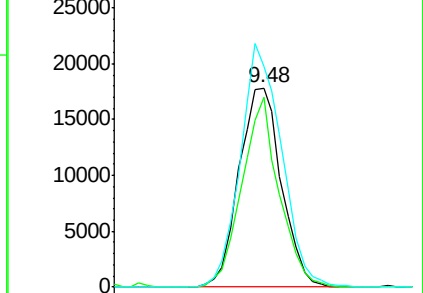
174 118.8 91.5 137.3

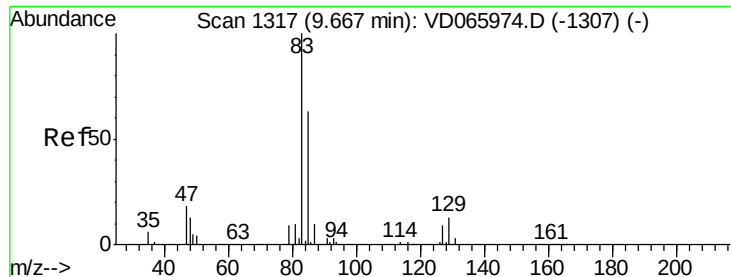


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





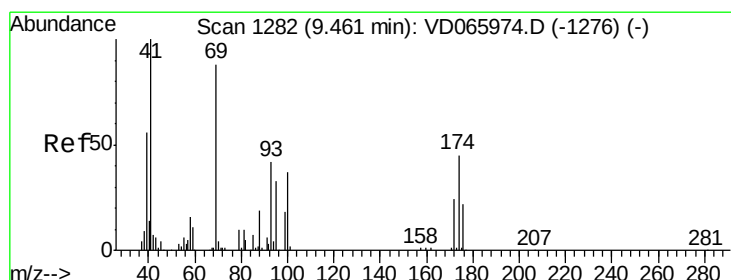
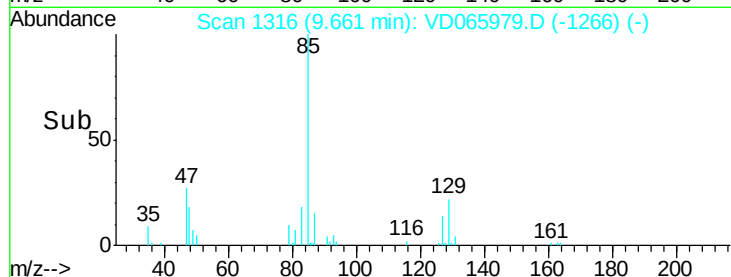
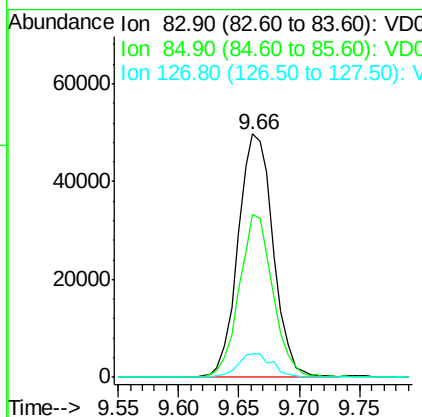
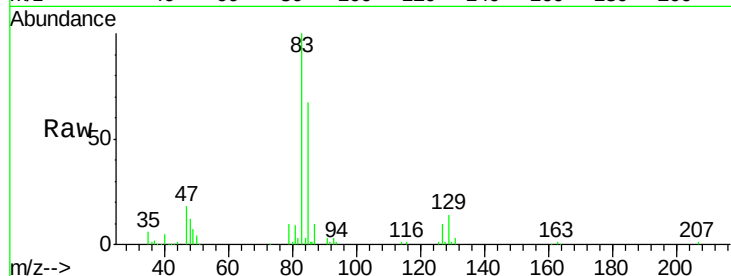
#47
Bromodichloromethane
Concen: 21.889 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	100959		
85	66.9		50.6	75.8
127	9.6		7.1	10.7

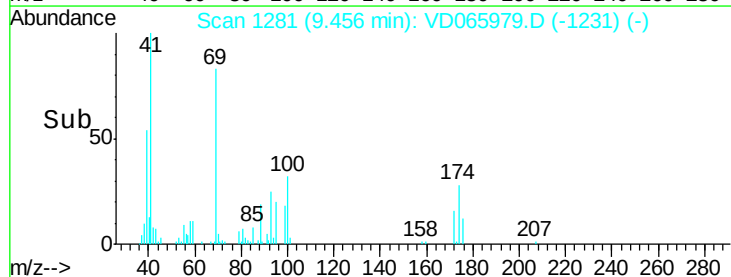
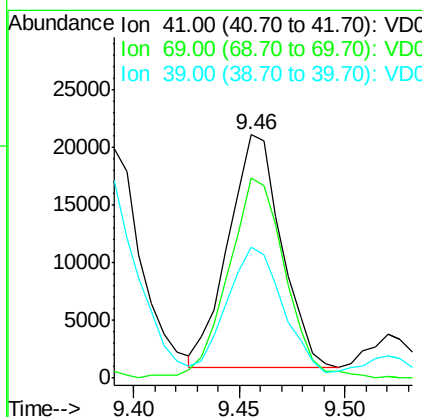
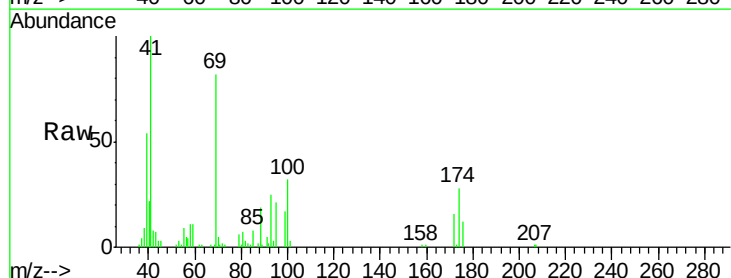
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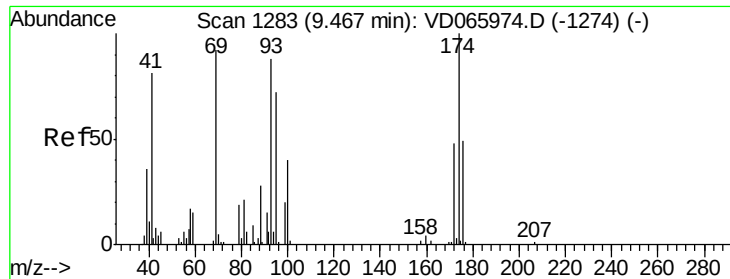
MMDadoda
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#48
Methyl methacrylate
Concen: 19.522 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	35127		
69	92.8		65.1	97.7
39	55.4		41.5	62.3





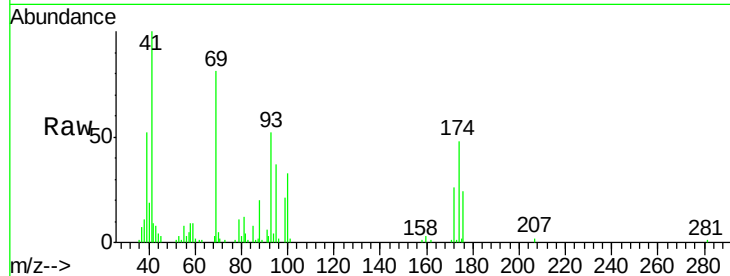
#49
1,4-Dioxane
Concen: 467.749 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	88	Resp	9453
Ion	Ratio	Lower	Upper
88	100		
43	36.2	29.0	43.6
58	60.3	57.0	85.4

Manual Integrations
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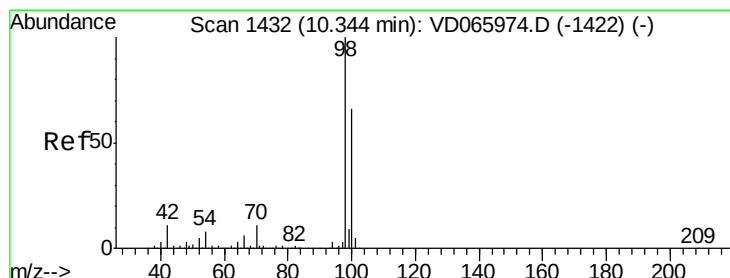
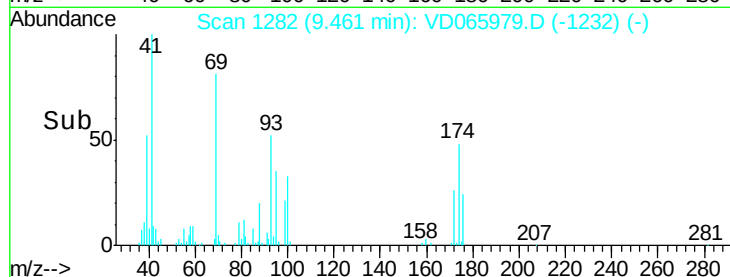
Abundance

Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

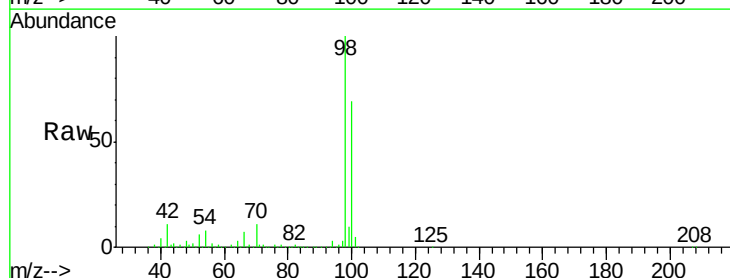
Ion 58.00 (57.70 to 58.70): VDC

Time-->



#50
Toluene-d8
Concen: 51.912 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Tgt Ion	98	Resp	657252
Ion	Ratio	Lower	Upper
98	100		
100	67.7	52.7	79.1

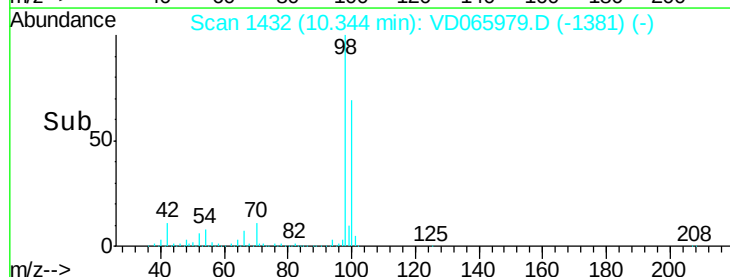


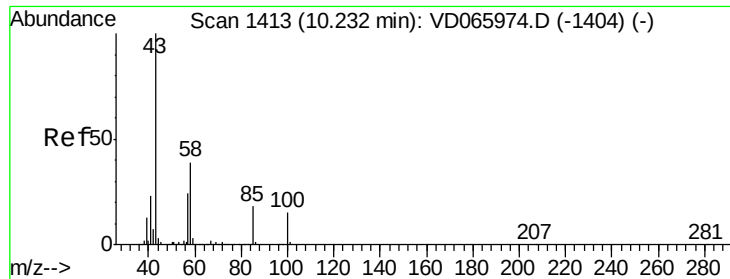
Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

Time-->





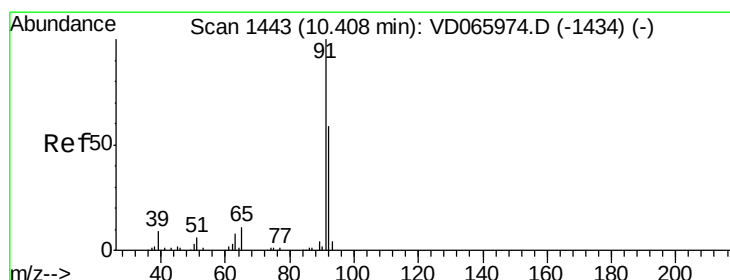
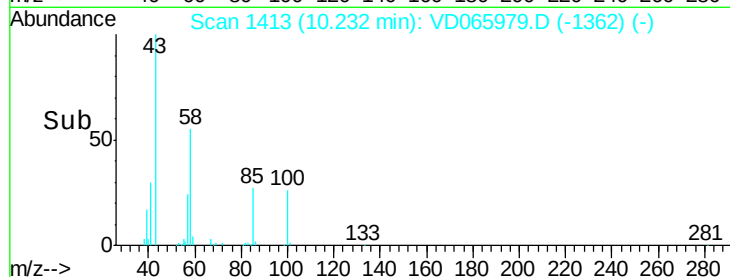
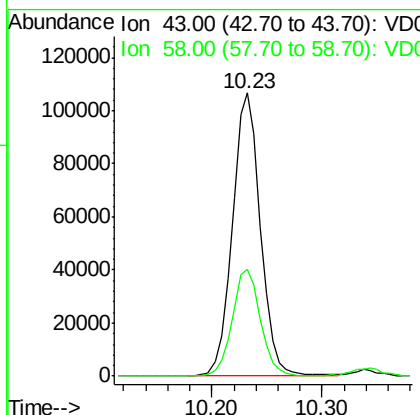
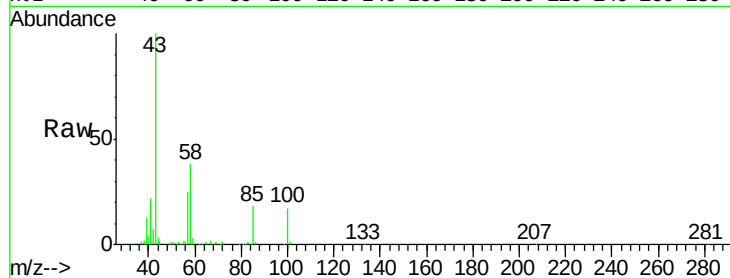
#51
4-Methyl-2-Pentanone
Concen: 105.553 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	43	58	Ratio	Lower	Upper
189714	100	38.0		31.3	46.9

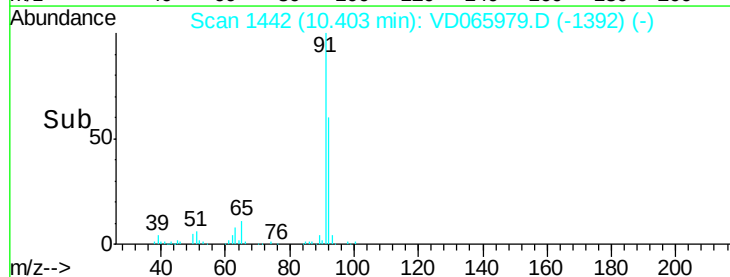
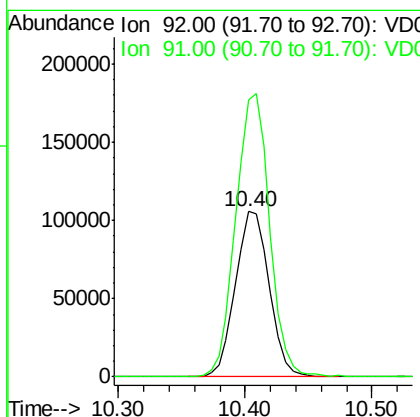
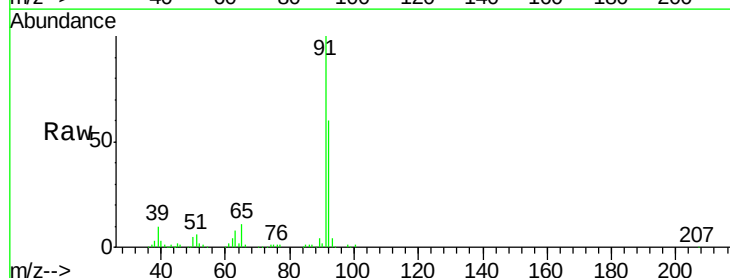
Manual Integrations
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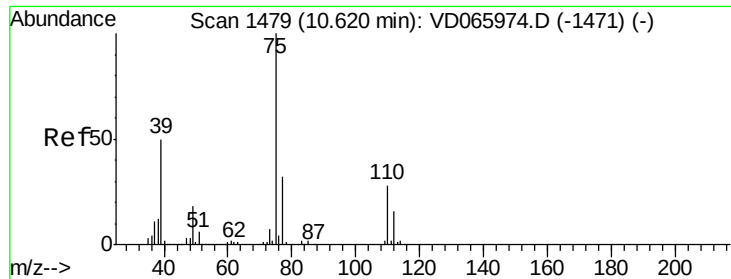
MMDadoda
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#52
Toluene
Concen: 22.423 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Tgt Ion	92	91	Ratio	Lower	Upper
195640	100	171.3		134.5	201.7





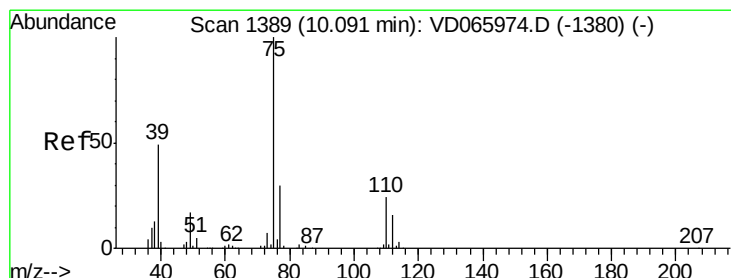
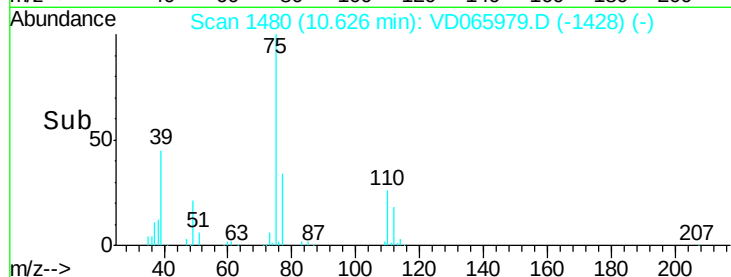
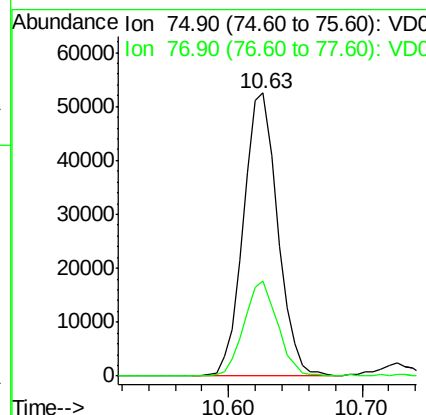
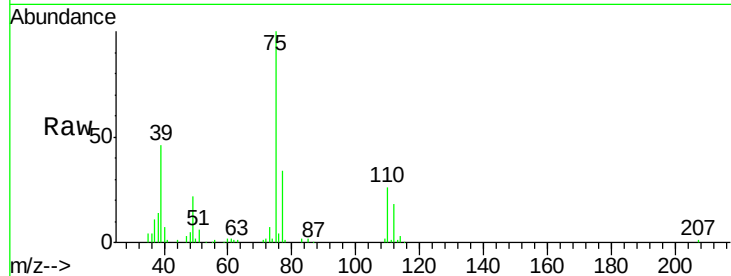
#53
 t-1,3-Dichloropropene
 Concen: 21.692 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD065979.D
 Acq: 21 Jul 2020 14:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBS01

Tot Ion: 75 Resp: 93211
 Ion Ratio Lower Upper
 75 100
 77 33.5 25.8 38.6

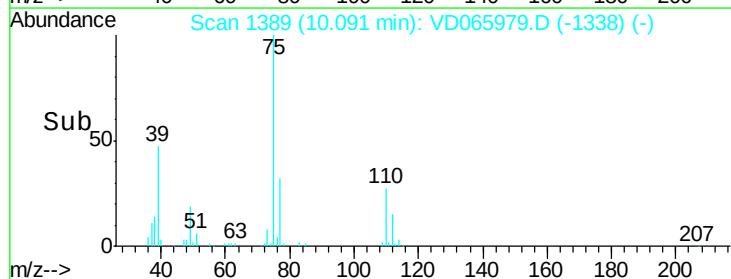
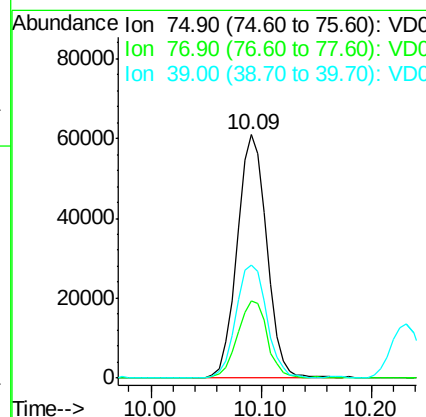
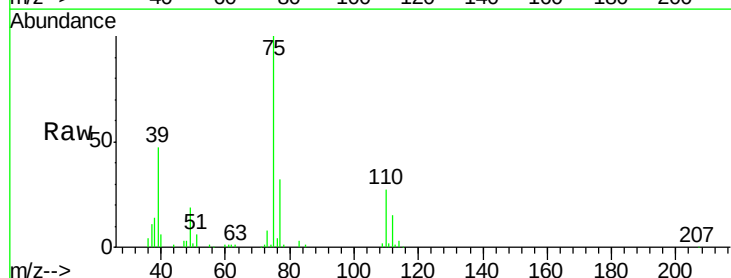
Manual Integrations
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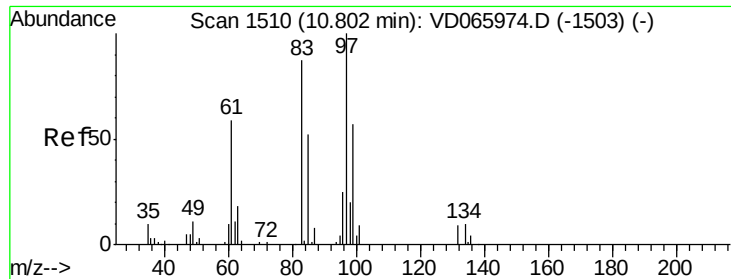
MMDadoda
 7/22/2020 2:44:32 PM



#54
 cis-1,3-Dichloropropene
 Concen: 22.046 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD065979.D
 Acq: 21 Jul 2020 14:49

Tgt Ion: 75 Resp: 114832
 Ion Ratio Lower Upper
 75 100
 77 31.6 23.8 35.8
 39 46.4 38.8 58.2





#55

1,1,2-Trichloroethane

Concen: 21.961 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion: 97 Resp: 54332

Ion Ratio Lower Upper

97 100

83 71.8 69.7 104.5

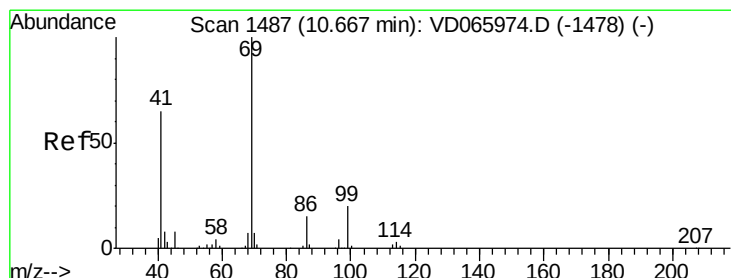
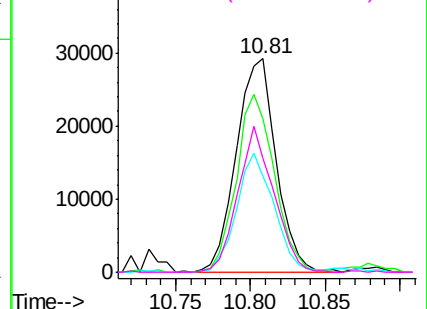
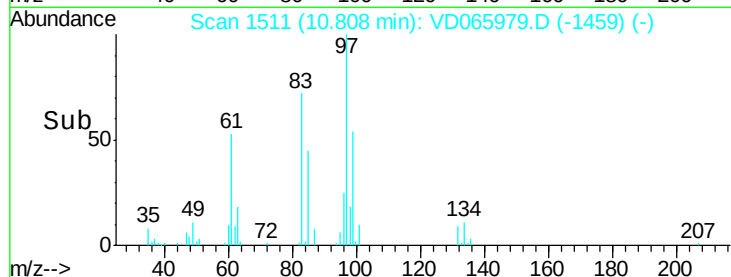
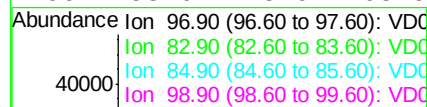
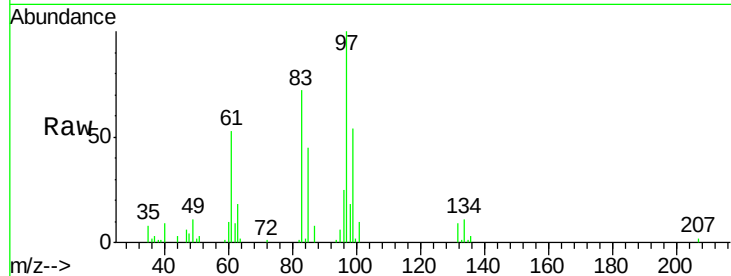
85 45.1 41.6 62.4

99 53.6 45.9 68.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 21.375 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

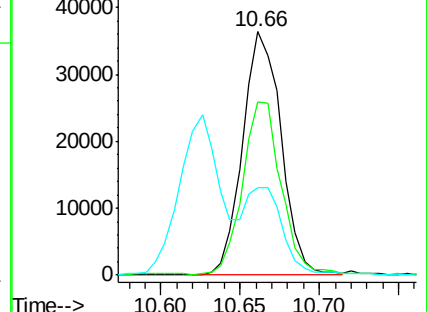
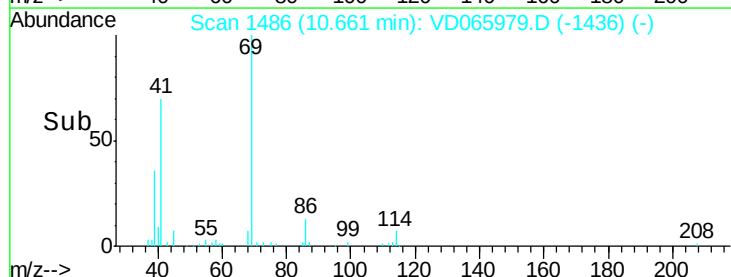
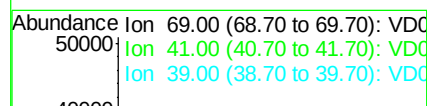
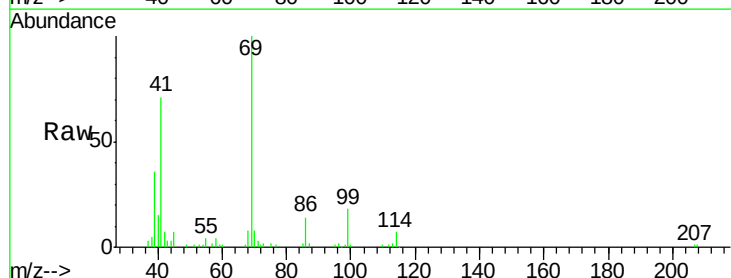
Tgt Ion: 69 Resp: 61482

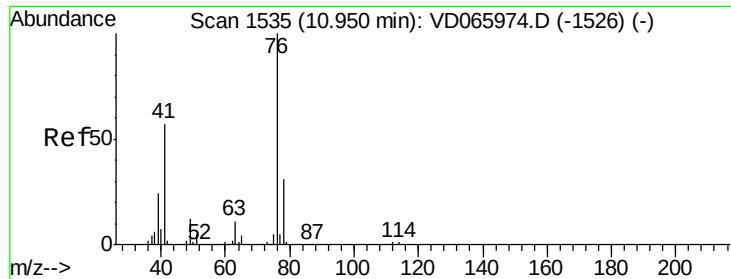
Ion Ratio Lower Upper

69 100

41 71.8 52.3 78.5

39 34.0 25.2 37.8





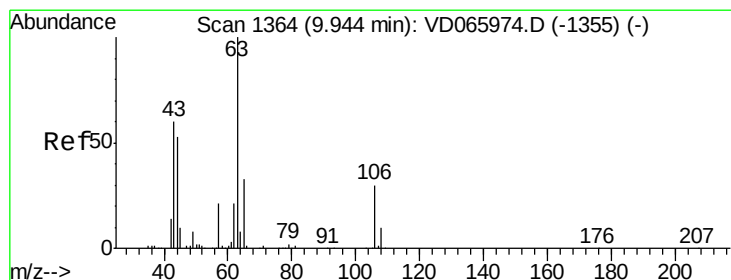
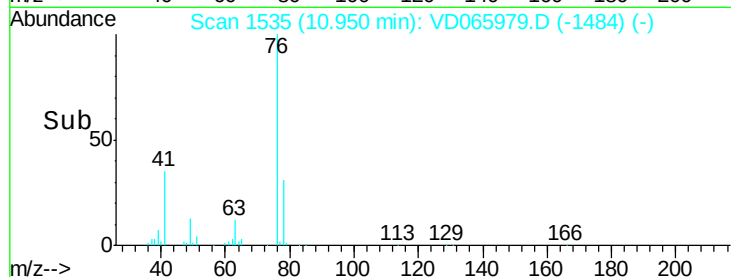
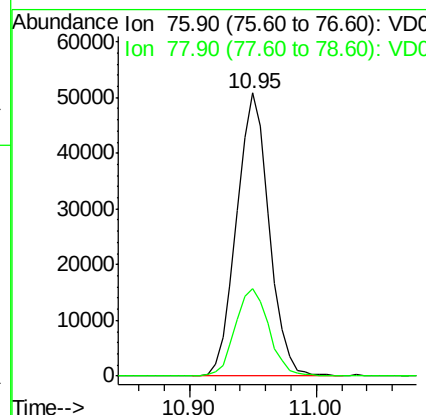
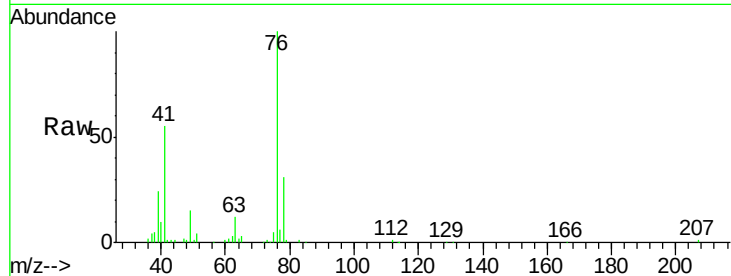
#57
 1,3-Dichloropropane
 Concen: 21.886 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065979.D
 Acq: 21 Jul 2020 14:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBS01

Tot Ion: 76 Resp: 89634
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.6 38.4

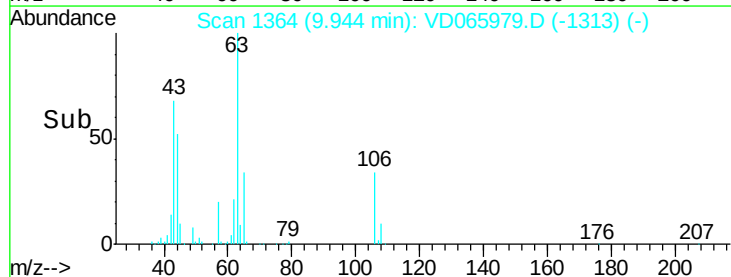
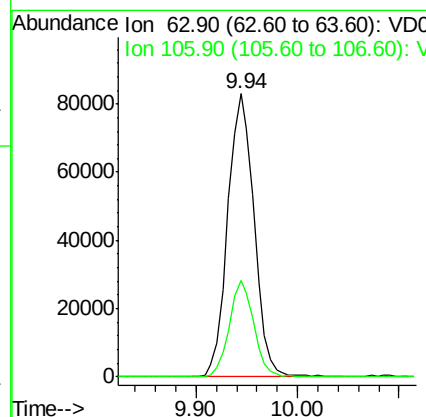
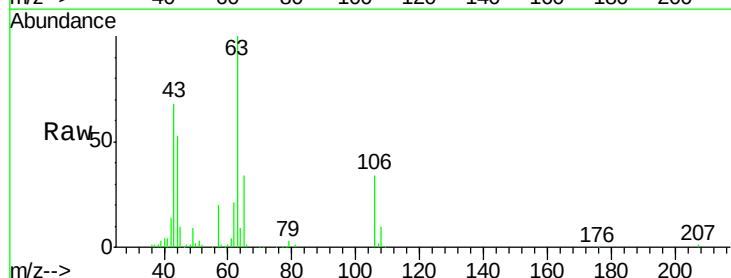
Manual Integrations
 APPROVED

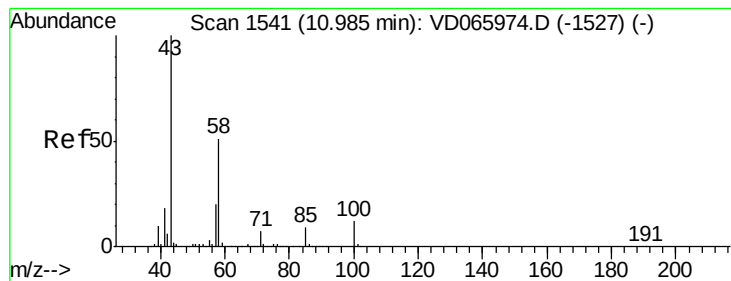
MMDadoda
 7/22/2020 2:44:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.935 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065979.D
 Acq: 21 Jul 2020 14:49

Tgt Ion: 63 Resp: 149682
 Ion Ratio Lower Upper
 63 100
 106 31.7 24.4 36.6





#59

2-Hexanone

Concen: 105.551 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. 0.01 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion: 43 Resp: 131466

Ion Ratio Lower Upper

43 100

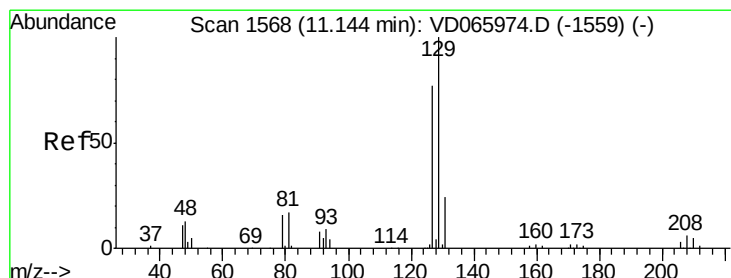
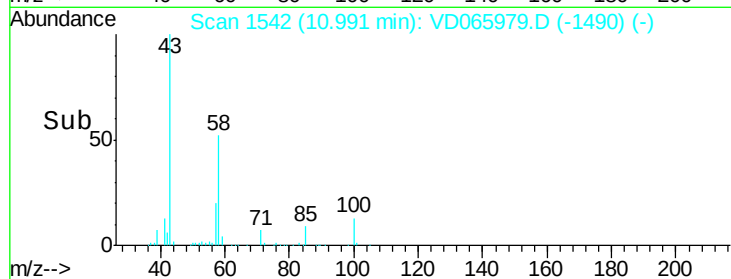
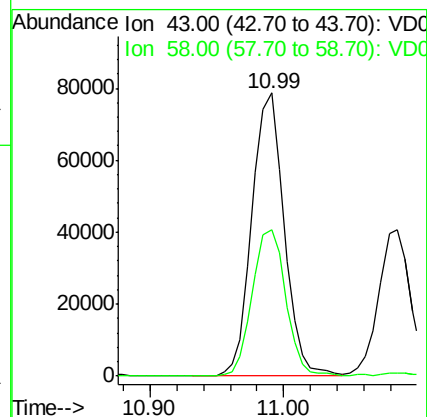
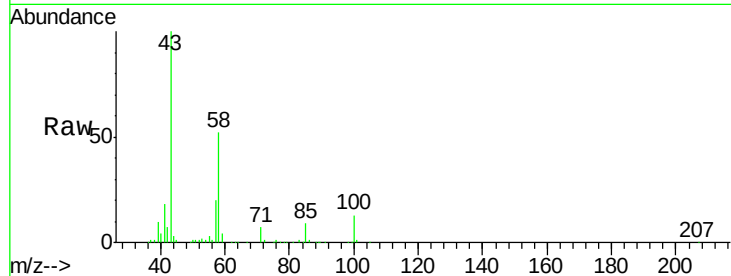
58 54.0 26.2 78.6

Manual Integrations

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#60

Dibromochloromethane

Concen: 21.930 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD065979.D

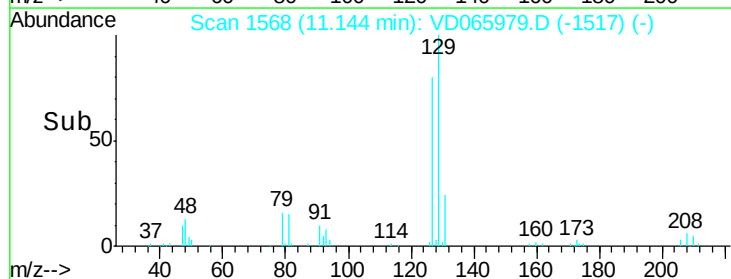
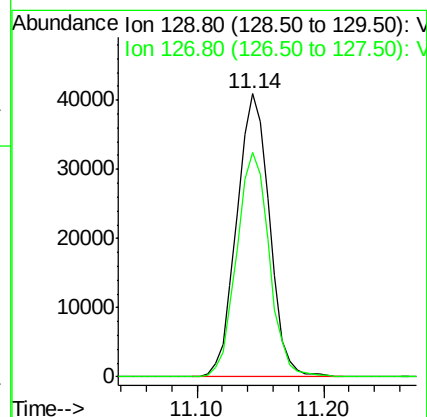
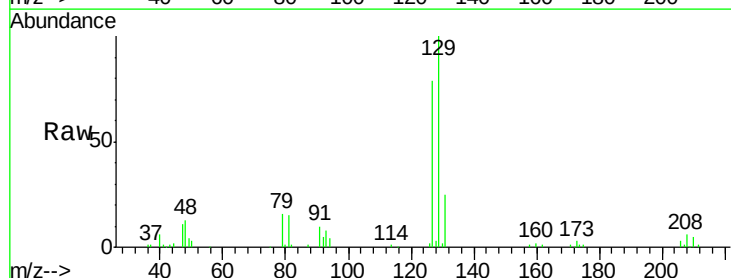
Acq: 21 Jul 2020 14:49

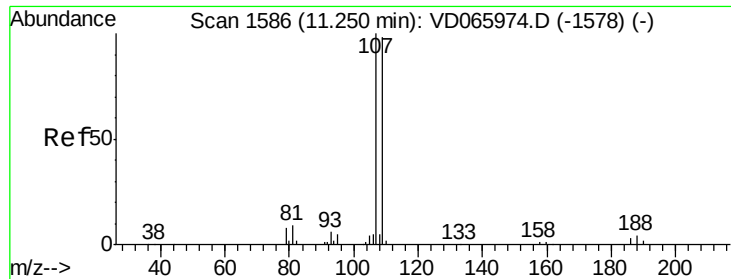
Tgt Ion:129 Resp: 73152

Ion Ratio Lower Upper

129 100

127 78.7 38.6 115.7





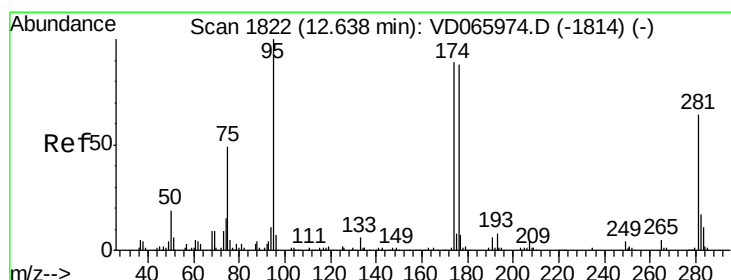
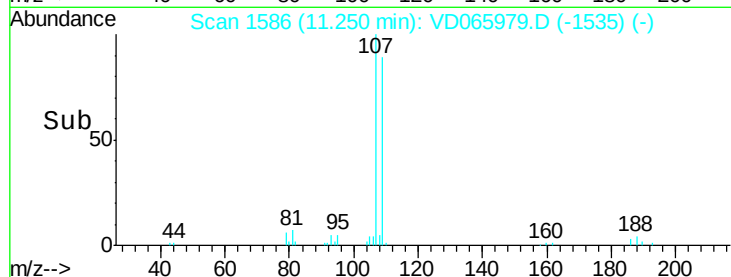
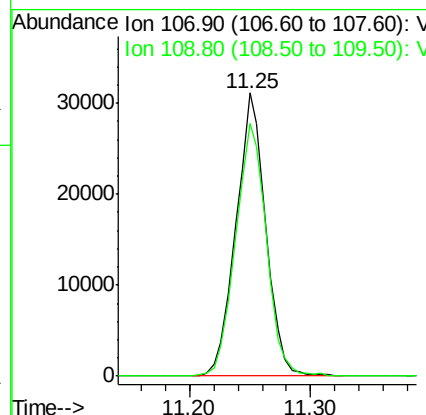
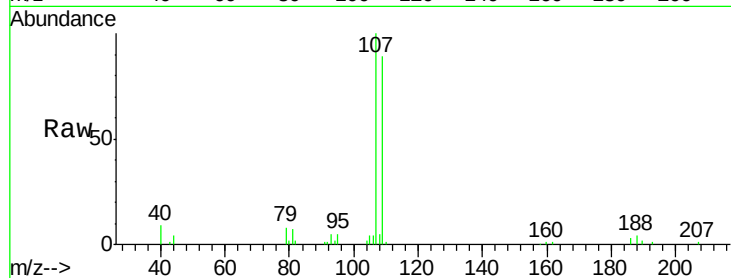
#61
 1,2-Dibromoethane
 Concen: 22.332 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065979.D
 Acq: 21 Jul 2020 14:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBS01

Tot Ion: 107 Resp: 53269
 Ion Ratio Lower Upper
 107 100
 109 92.6 75.0 112.4

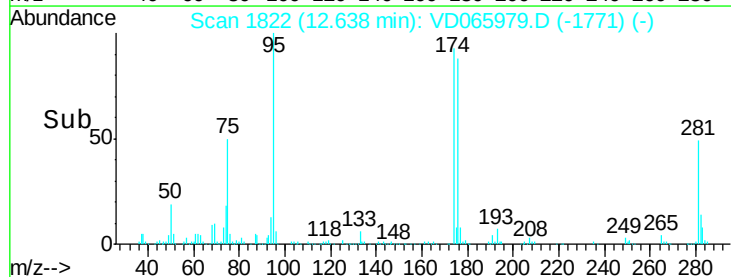
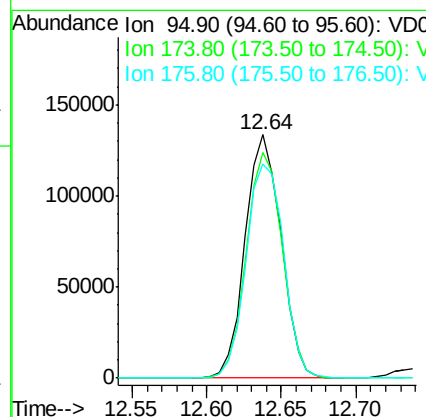
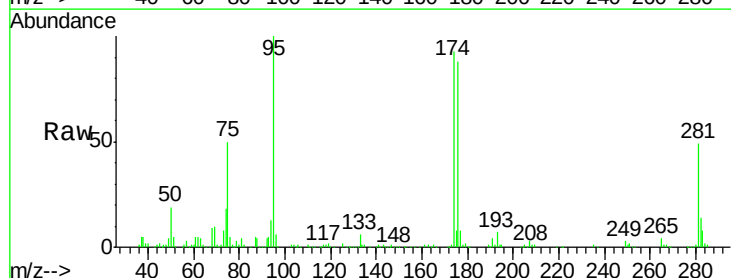
Manual Integrations
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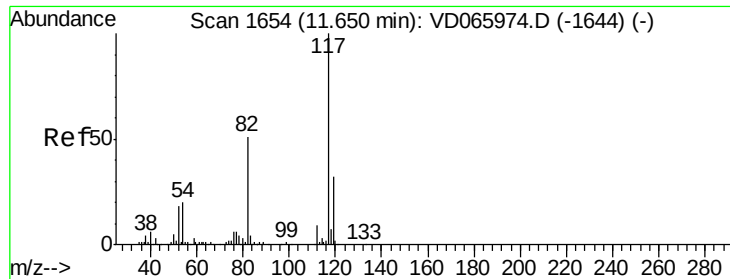
MMDadoda
 7/22/2020 2:44:32 PM



#62
 4-Bromofluorobenzene
 Concen: 50.724 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065979.D
 Acq: 21 Jul 2020 14:49

Tgt Ion: 95 Resp: 222681
 Ion Ratio Lower Upper
 95 100
 174 93.3 0.0 178.8
 176 91.7 0.0 172.6





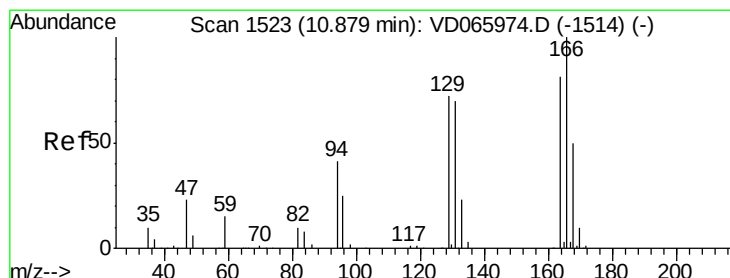
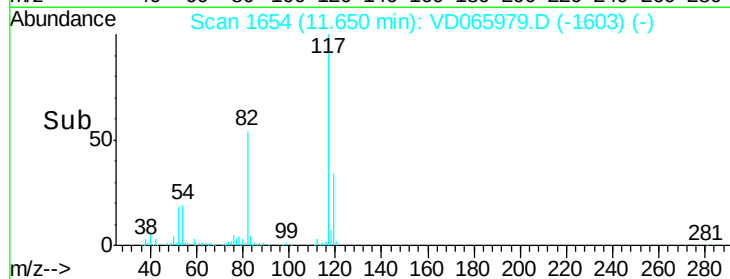
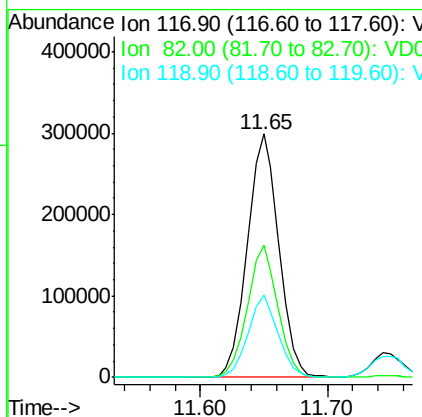
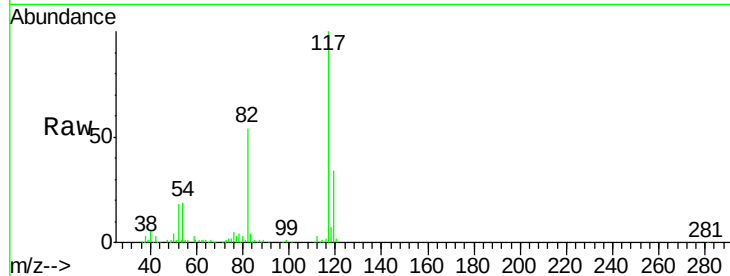
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	41.1	61.7
119	33.9	25.9	38.9

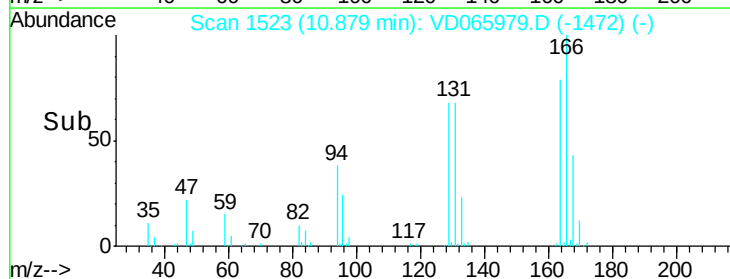
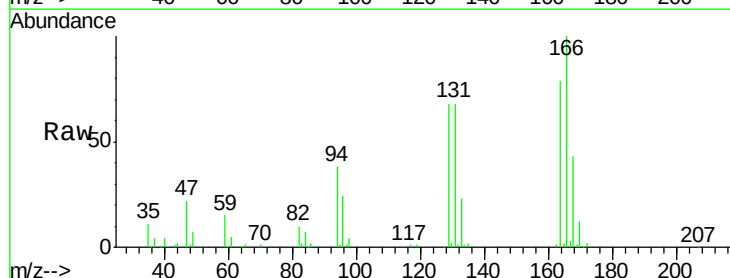
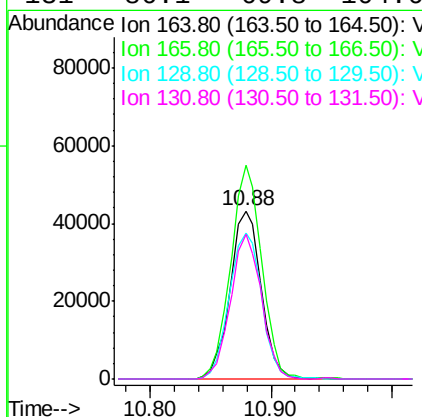
Manual Integrations
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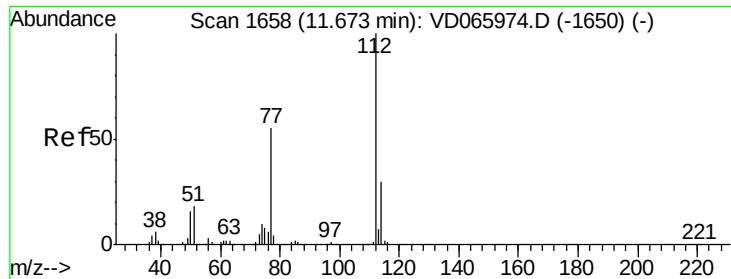
MMDadoda
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#64
Tetrachloroethene
Concen: 22.298 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	99.1	148.7
129	87.0	71.5	107.3
131	86.1	69.8	104.6





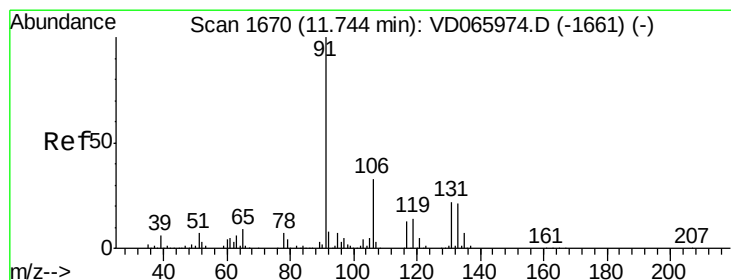
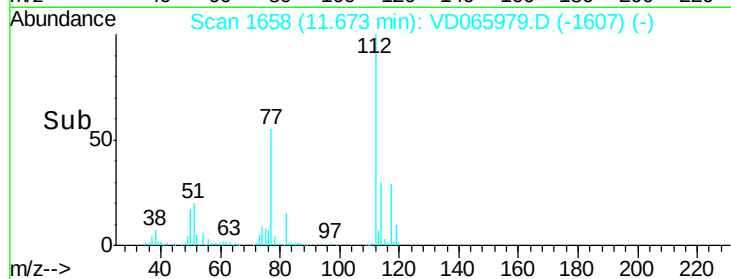
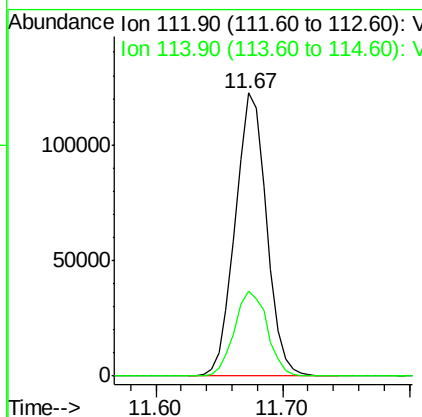
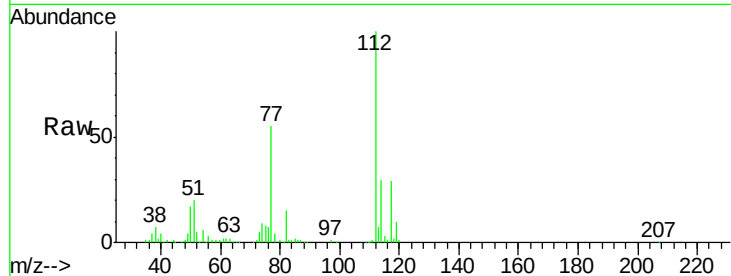
#65
Chlorobenzene
Concen: 22.249 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	209561		
114	30.2	24.4	36.6	

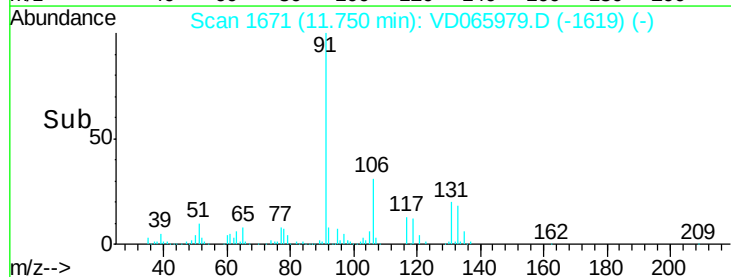
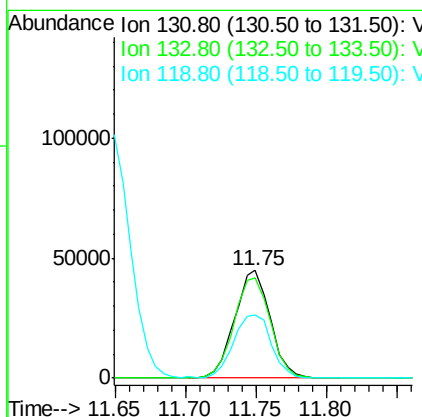
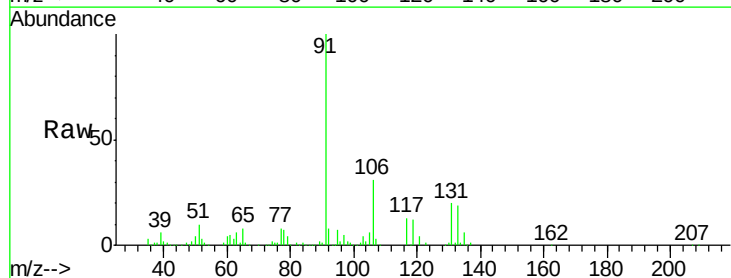
Manual Integrations
APPROVED

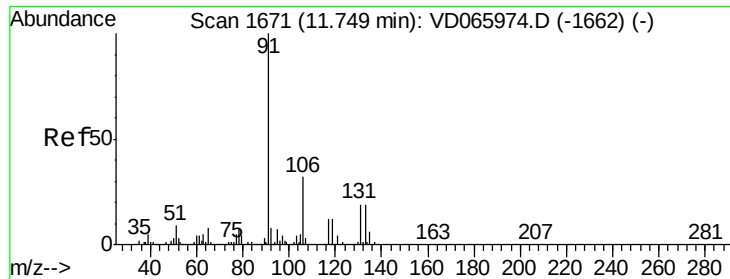
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.666 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	78832		
133	95.5	47.3	142.0	
119	62.7	31.7	95.1	





#67

Ethyl Benzene

Concen: 22.674 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion: 91 Resp: 367541

Ion Ratio Lower Upper

91 100

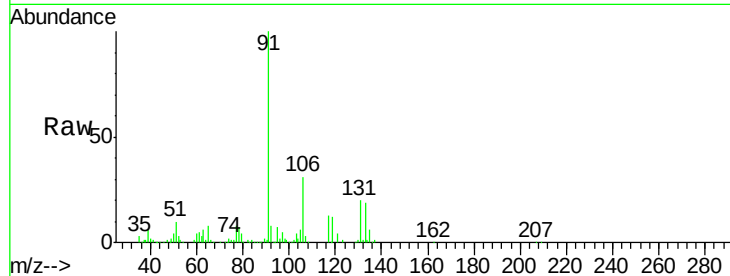
106 31.2 25.7 38.5

Manual Integrations

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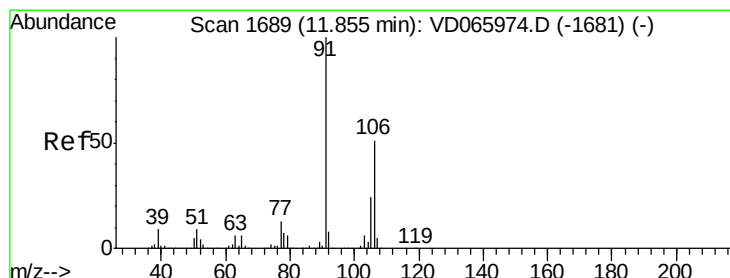
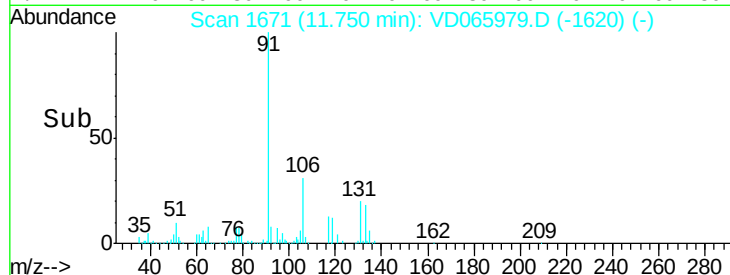
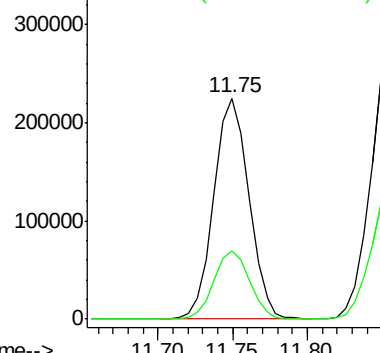
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VD0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 46.319 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065979.D

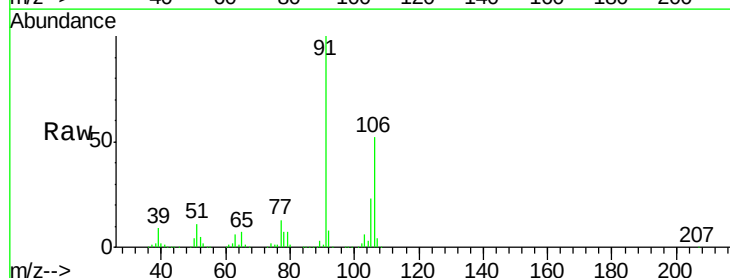
Acq: 21 Jul 2020 14:49

Tgt Ion: 106 Resp: 288578

Ion Ratio Lower Upper

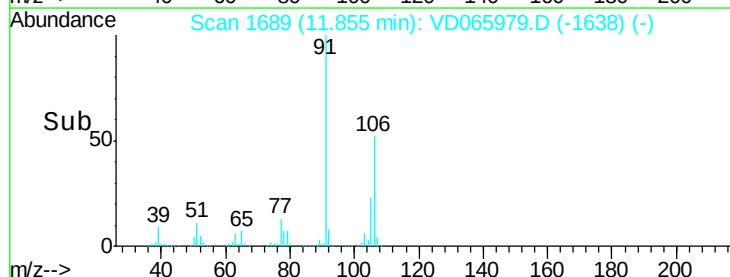
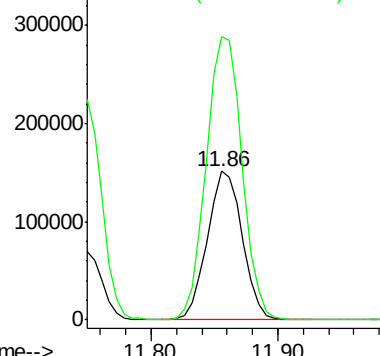
106 100

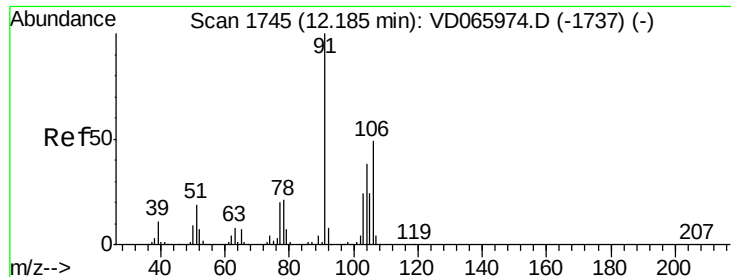
91 195.3 157.0 235.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VD0





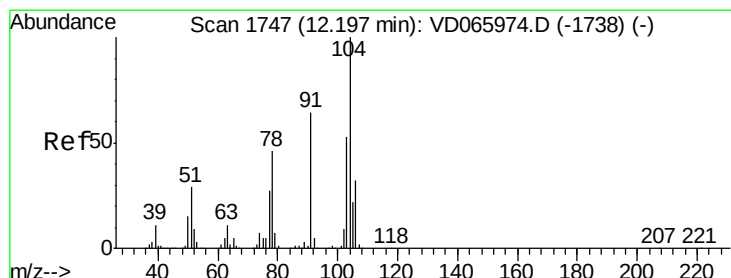
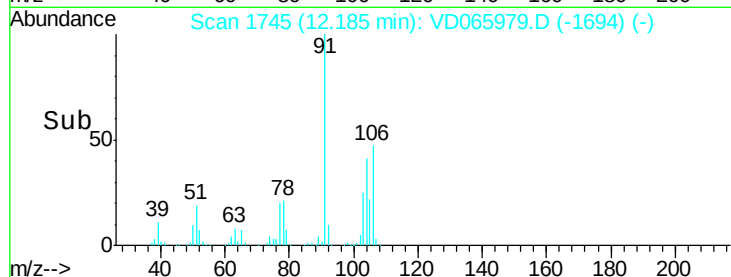
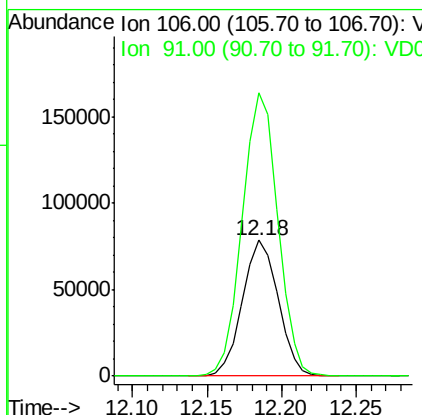
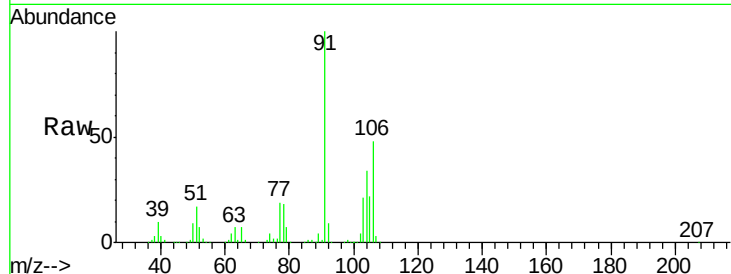
#69
o-Xylene
Concen: 23.135 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		131099		
91	206.3	103.1	309.3		

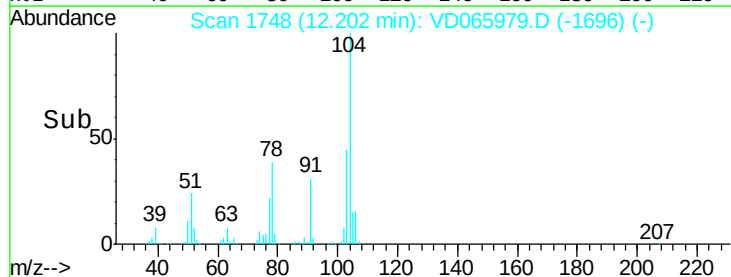
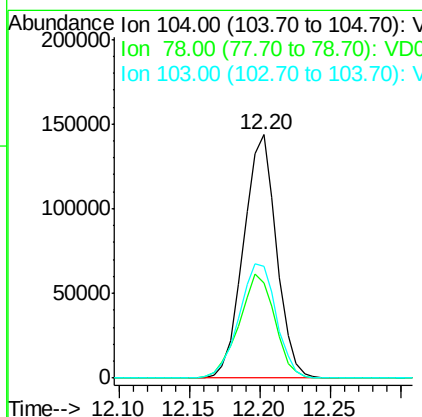
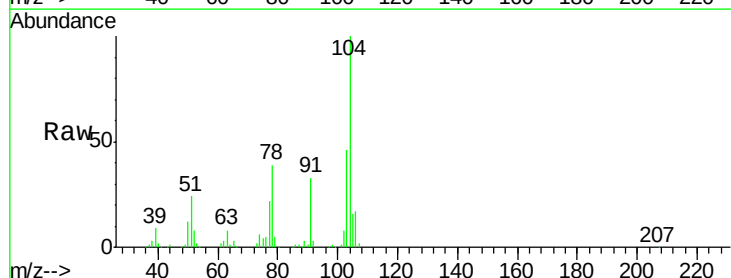
Manual Integrations
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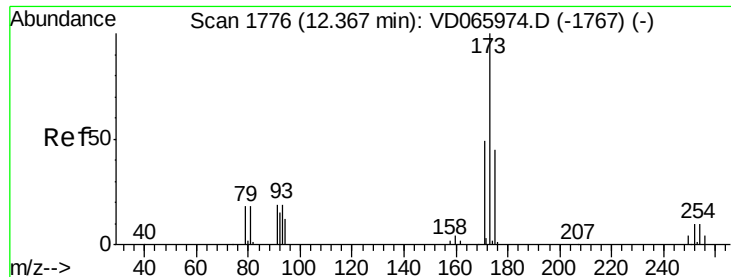
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#70
Styrene
Concen: 24.105 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		234694		
78	46.5	38.3	57.5		
103	53.2	43.8	65.8		





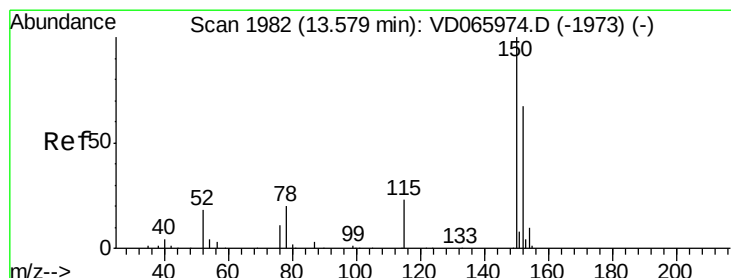
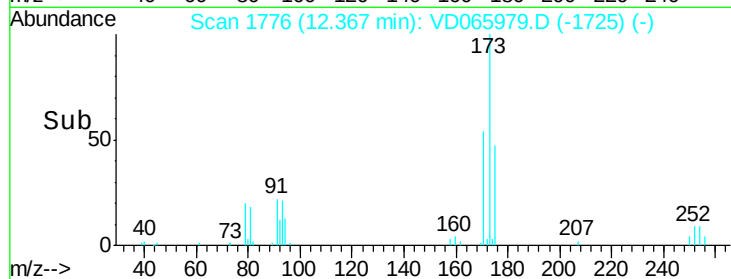
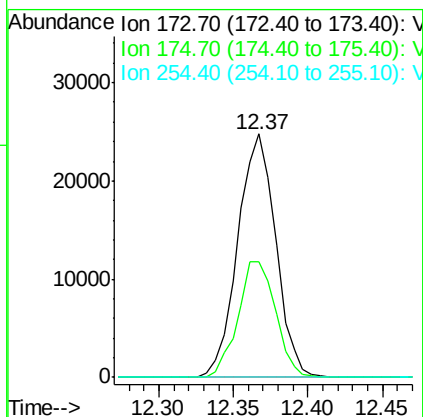
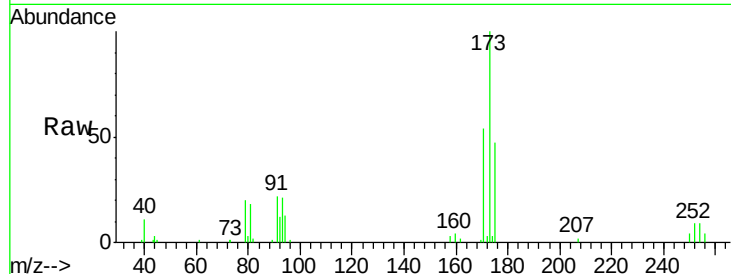
#71
Bromoform
Concen: 21.464 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	47.2	24.1	72.3	
254	0.0	0.0	0.0	

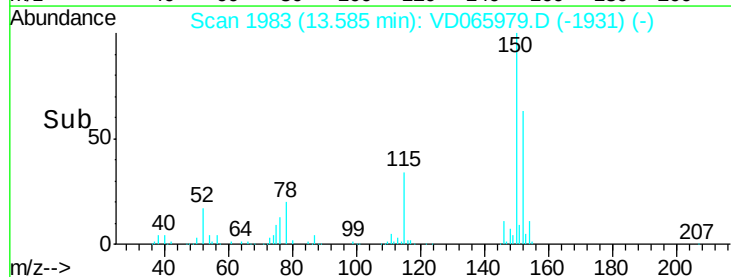
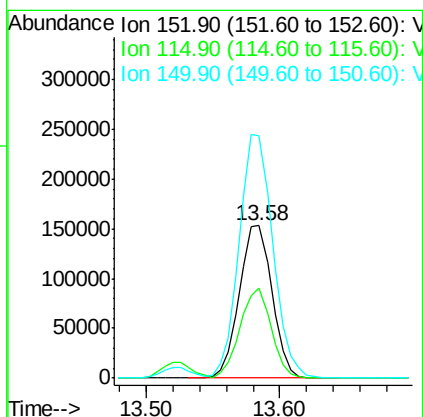
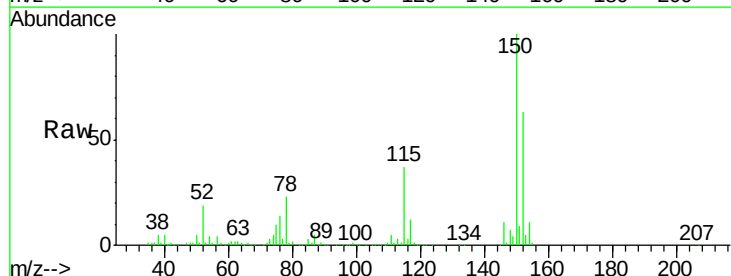
Manual Integrations
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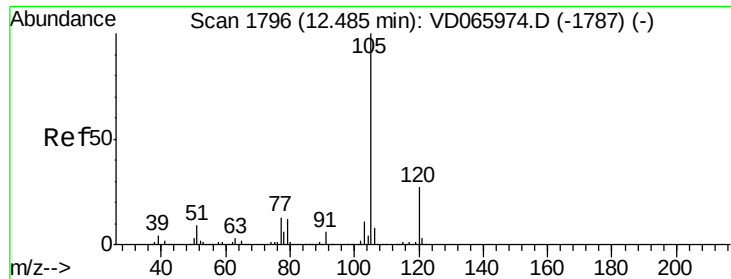
MMDadoda
7/22/2020 2:44:32 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	55.8	27.9	83.7	
150	164.5	0.0	348.2	





#73

Isopropylbenzene

Concen: 22.534 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion: 105 Resp: 355371

Ion Ratio Lower Upper

105 100

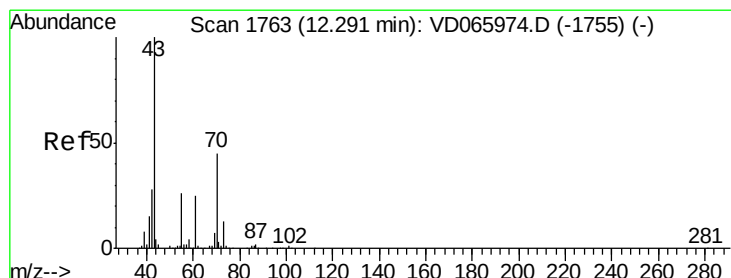
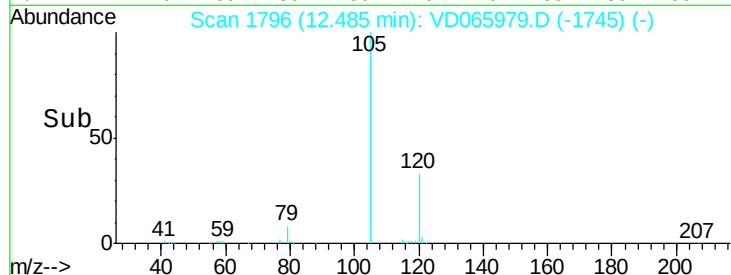
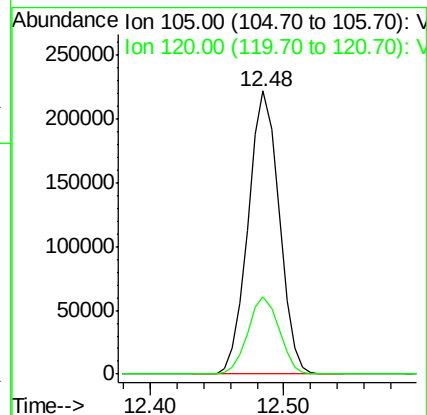
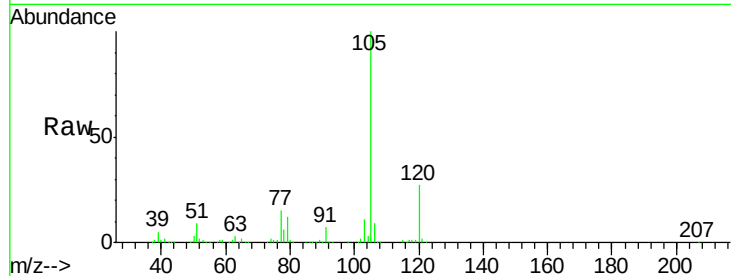
120 27.7 13.6 40.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.405 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Tgt Ion: 43 Resp: 69991

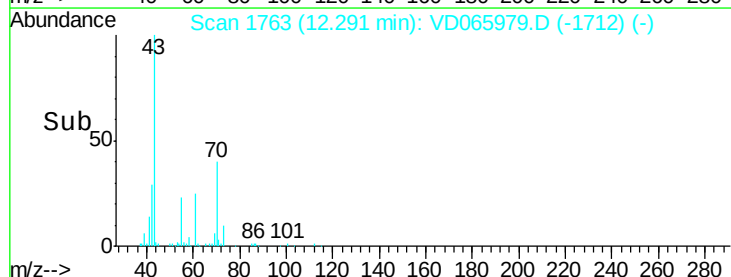
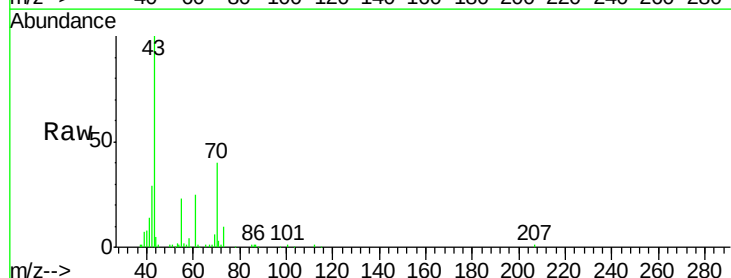
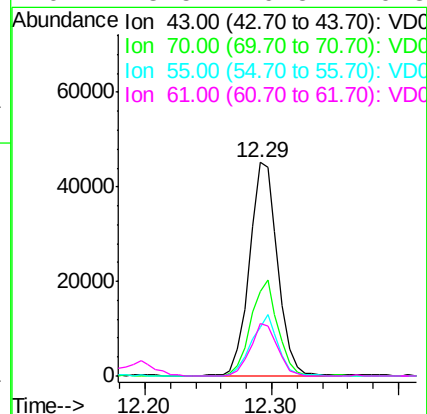
Ion Ratio Lower Upper

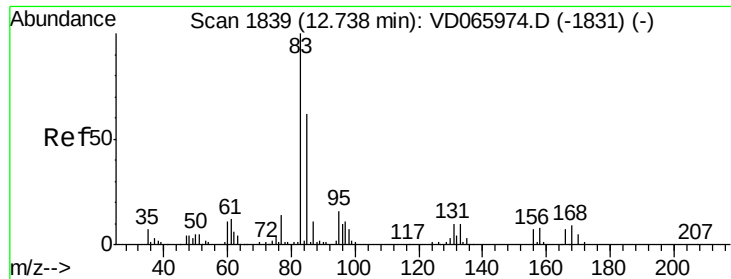
43 100

70 43.1 34.6 51.8

55 26.8 20.3 30.5

61 23.5 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 21.480 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Instrument :

MSVOA_D

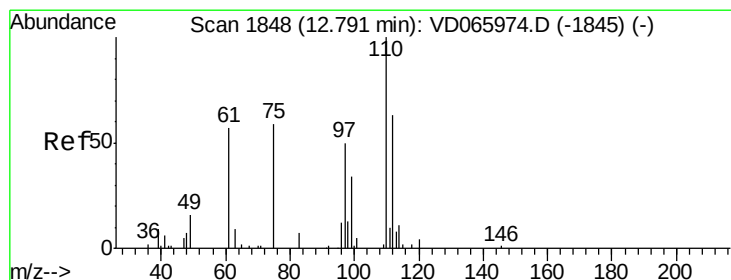
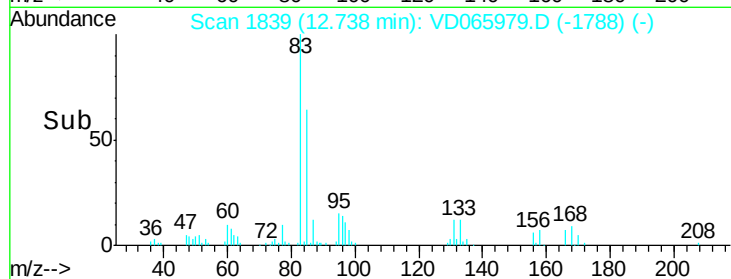
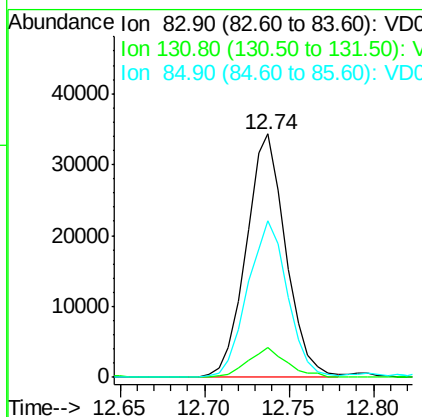
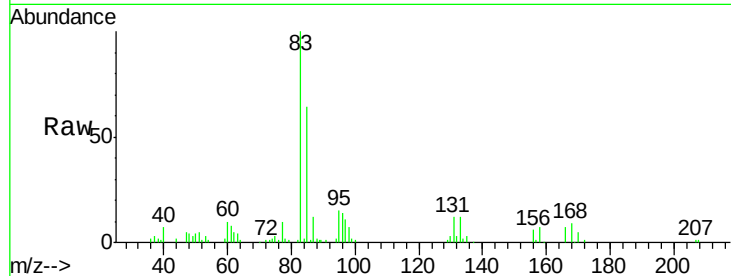
ClientSampleId :

VD0721SBS01

Tot Ion:	83	Resp:	55983
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.7	17.1
85	65.0	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.443 ug/l m

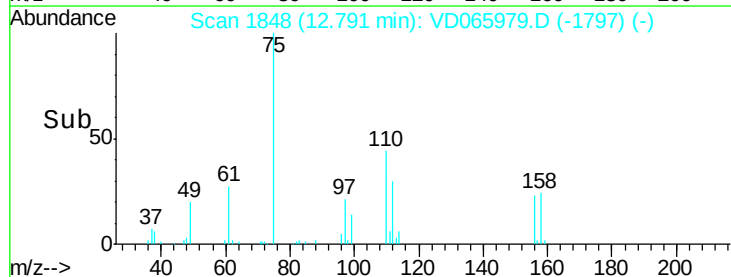
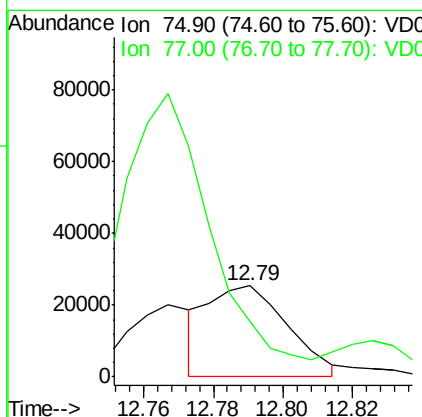
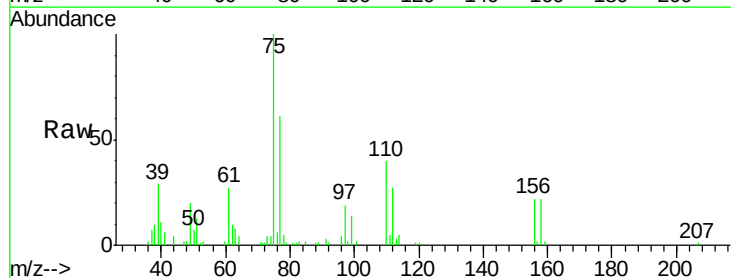
RT: 12.79 min Scan# 1848

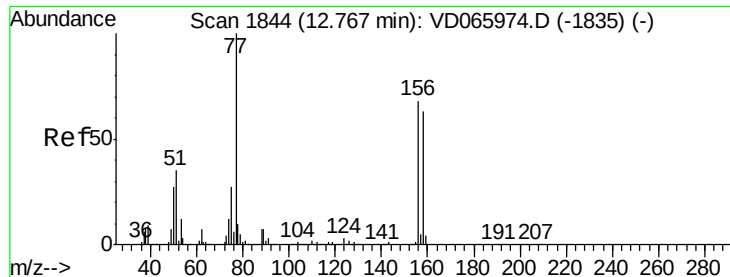
Delta R.T. 0.00 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Tgt Ion:	75	Resp:	40116
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.428 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Instrument :

MSVOA_D

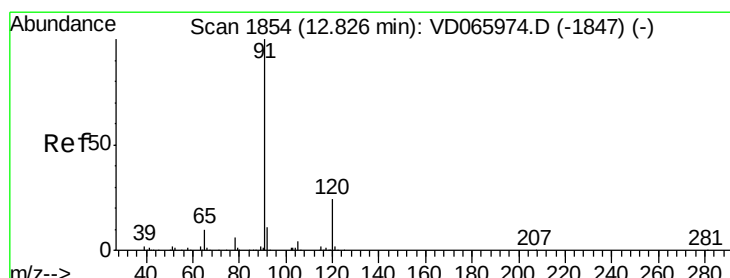
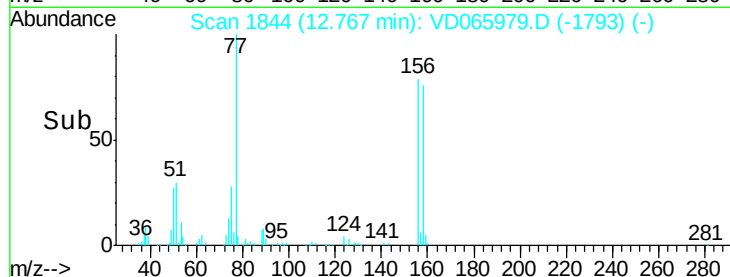
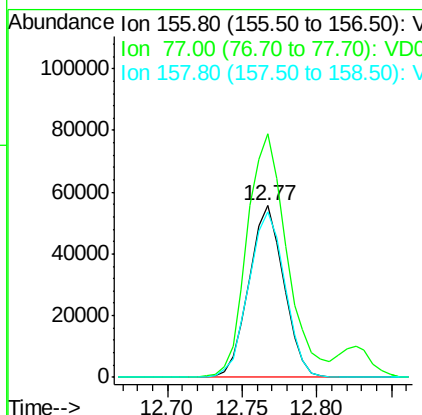
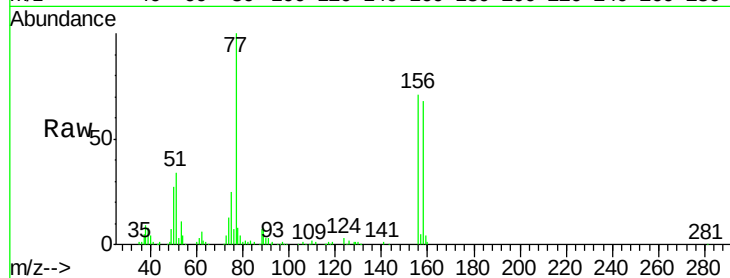
ClientSampleId :

VD0721SBS01

Tot Ion:	156	Resp:	90393
Ion Ratio	Lower	Upper	
156	100		
77	161.3	83.0	249.0
158	99.7	48.2	144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 23.210 ug/l

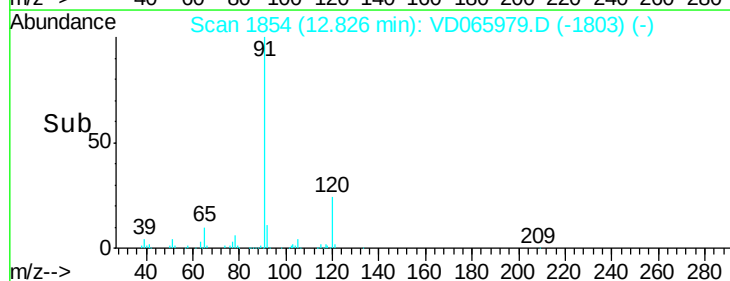
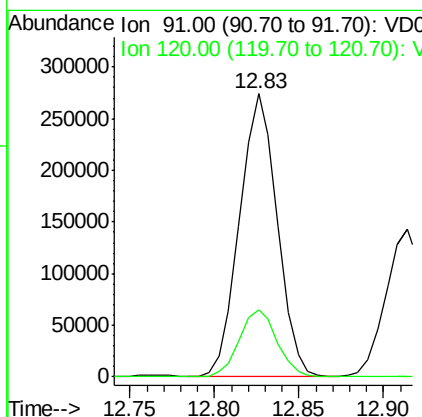
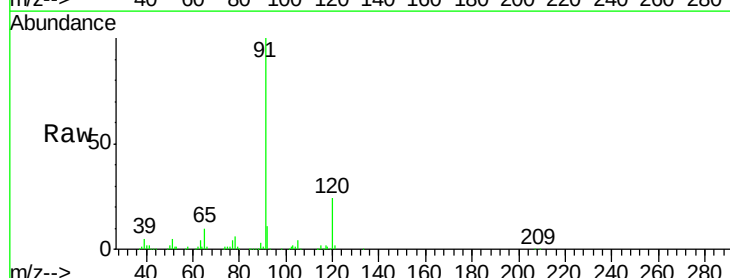
RT: 12.83 min Scan# 1854

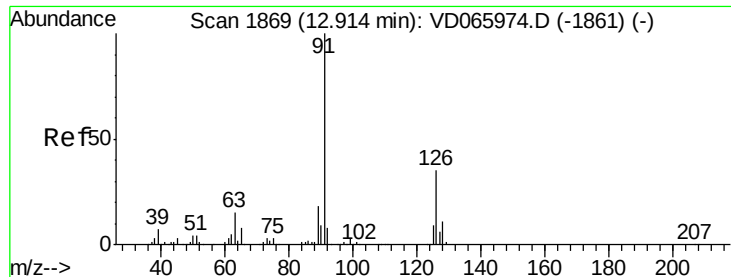
Delta R.T. 0.00 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Tgt Ion:	91	Resp:	424742
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.0	36.0





#79

2-Chlorotoluene

Concen: 22.400 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion: 91 Resp: 234190

Ion Ratio Lower Upper

91 100

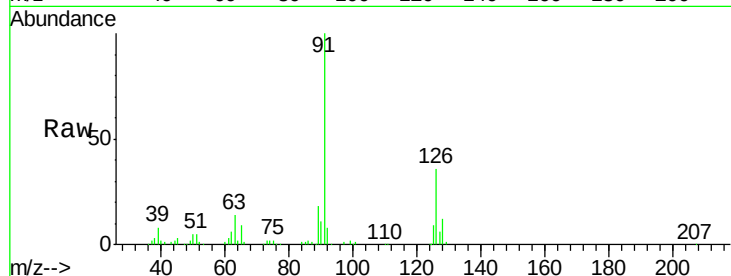
126 36.4 17.7 53.1

Manual Integrations

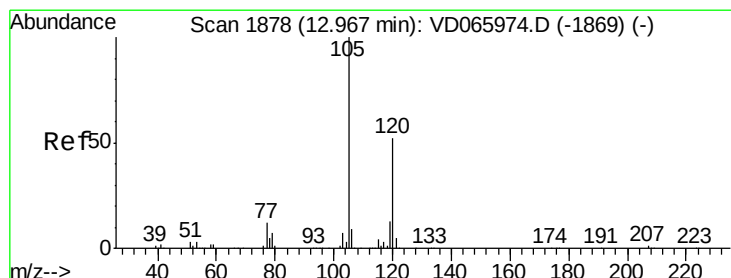
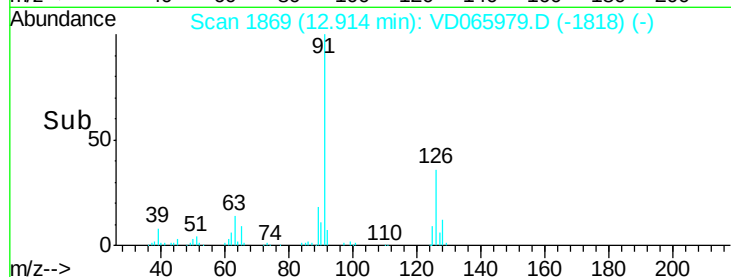
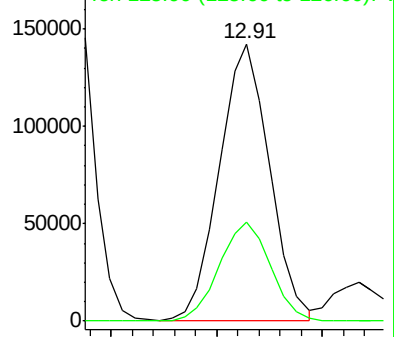
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Abundance Ion 91.00 (90.70 to 91.70): VD065979.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 23.017 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065979.D

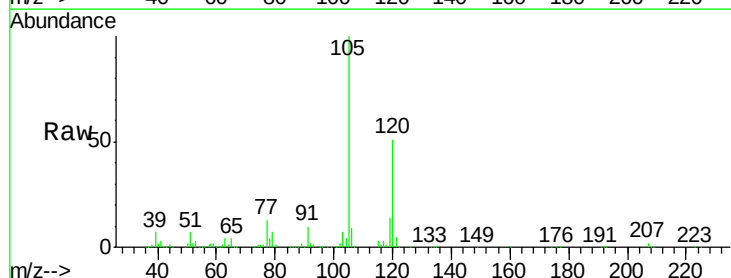
Acq: 21 Jul 2020 14:49

Tgt Ion: 105 Resp: 298218

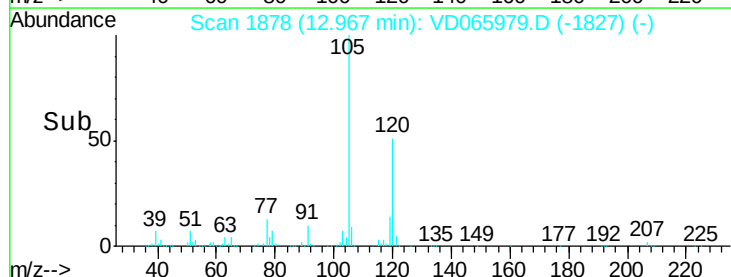
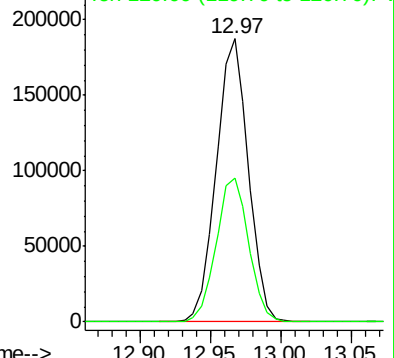
Ion Ratio Lower Upper

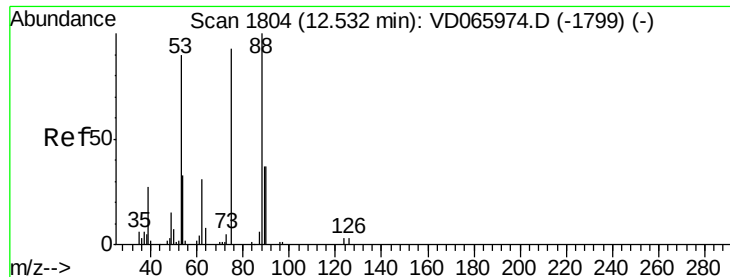
105 100

120 51.6 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VD065979.D (-1827) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.747 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion: 75 Resp: 18598

Ion Ratio Lower Upper

75 100

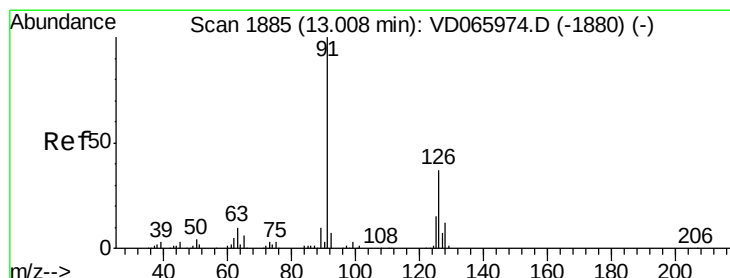
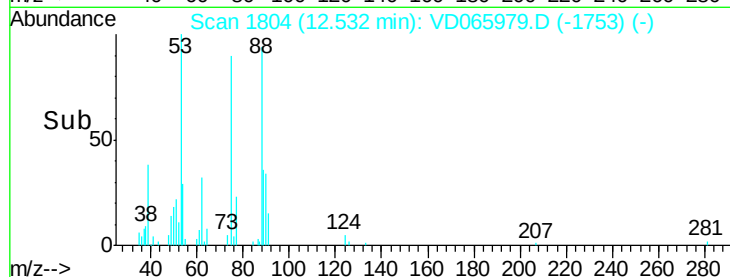
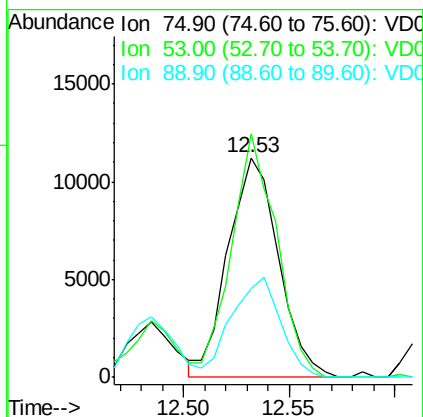
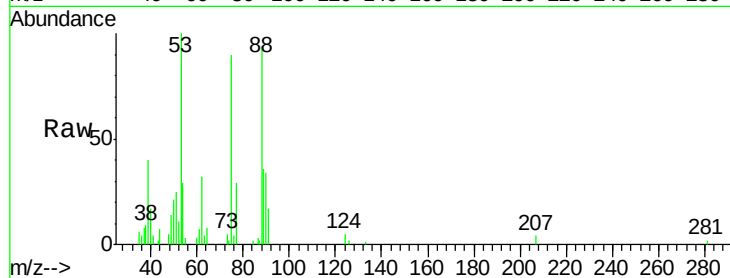
53 99.5 76.8 115.2

89 44.1 37.0 55.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.460 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD065979.D

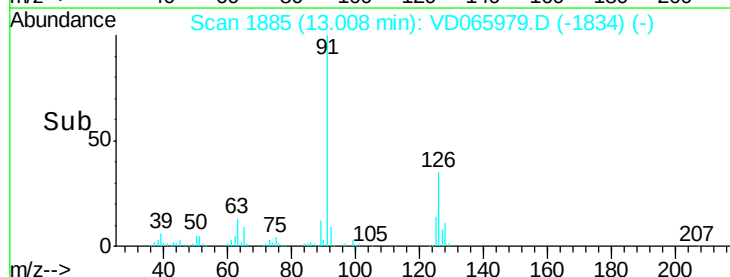
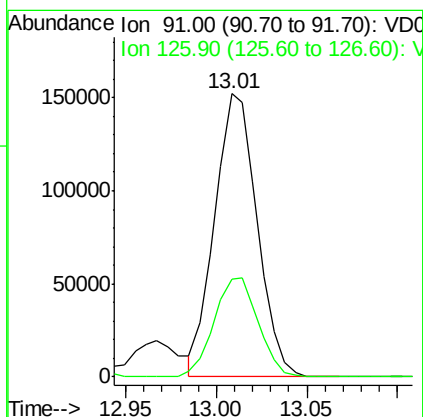
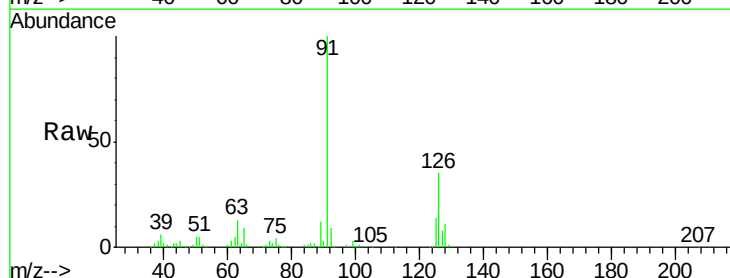
Acq: 21 Jul 2020 14:49

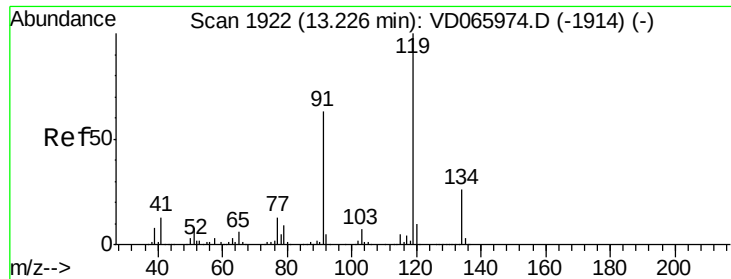
Tgt Ion: 91 Resp: 247850

Ion Ratio Lower Upper

91 100

126 36.5 17.8 53.5





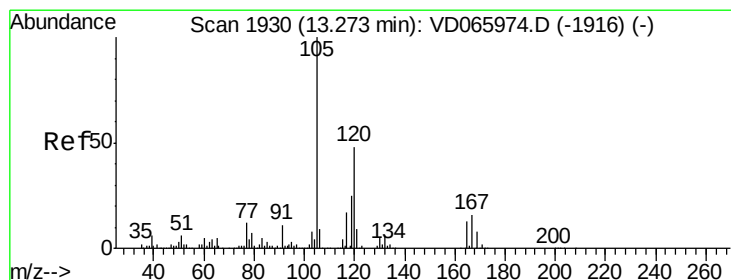
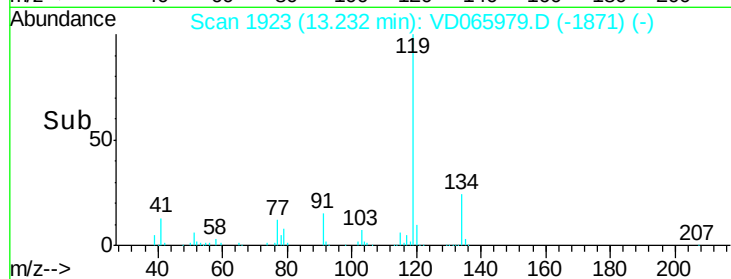
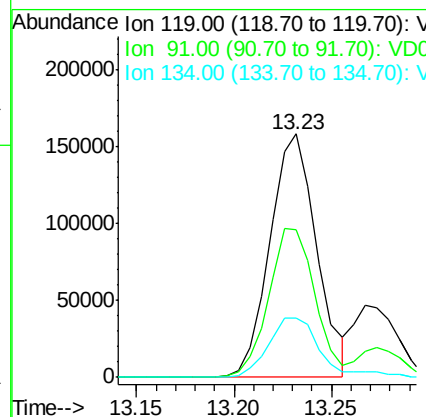
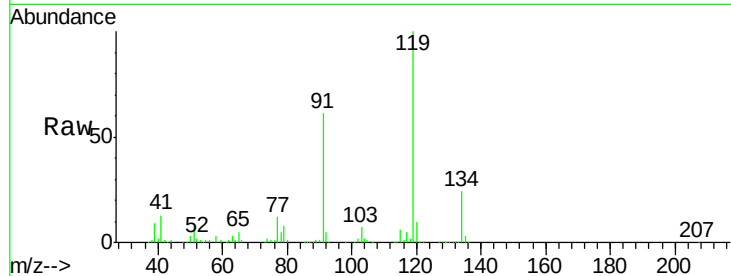
#83
 tert-Butylbenzene
 Concen: 23.126 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD065979.D
 Acq: 21 Jul 2020 14:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	262205		
91	60.7		30.6	91.6
134	27.4		13.9	41.7

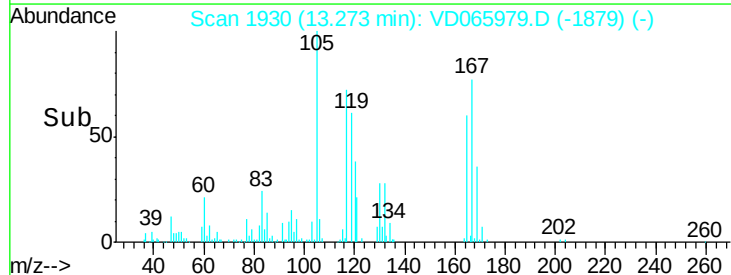
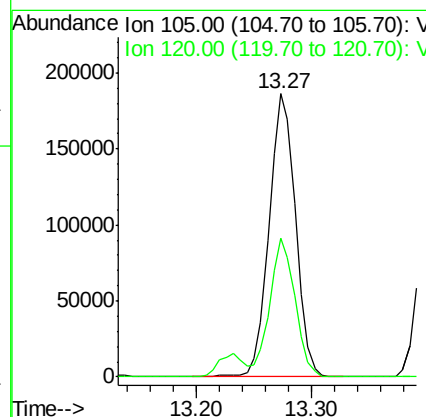
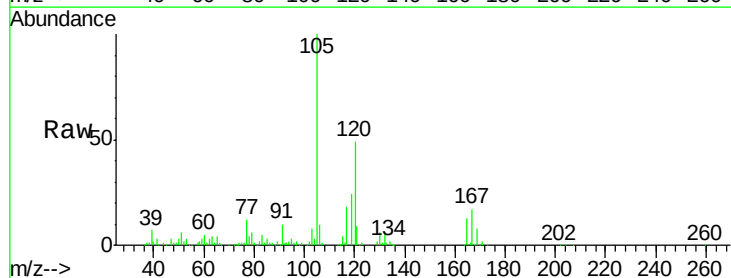
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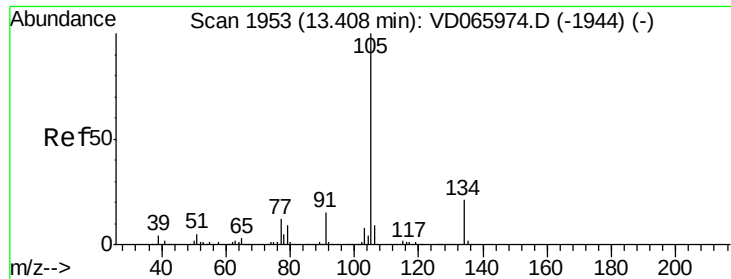
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.292 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD065979.D
 Acq: 21 Jul 2020 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	297735		
120	47.4		23.9	71.8





#85

sec-Butylbenzene

Concen: 22.832 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion:105 Resp: 356563

Ion Ratio Lower Upper

105 100

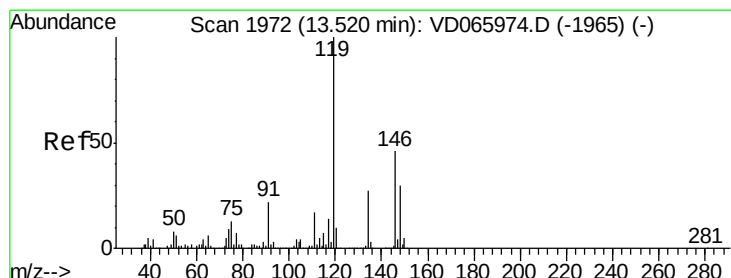
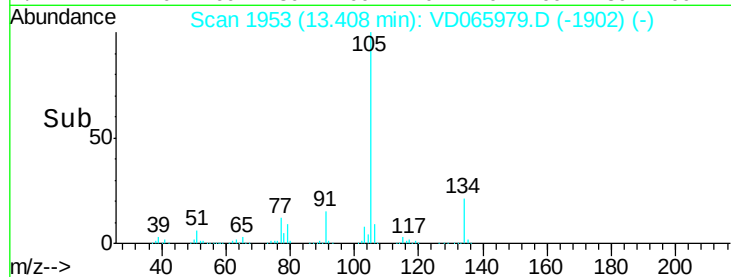
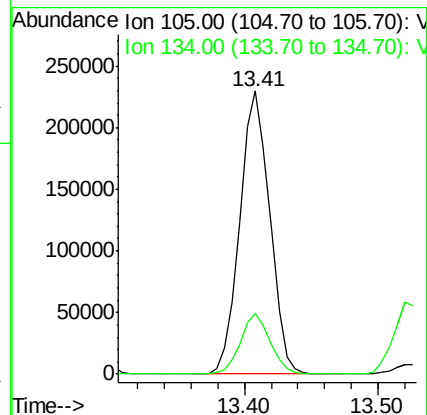
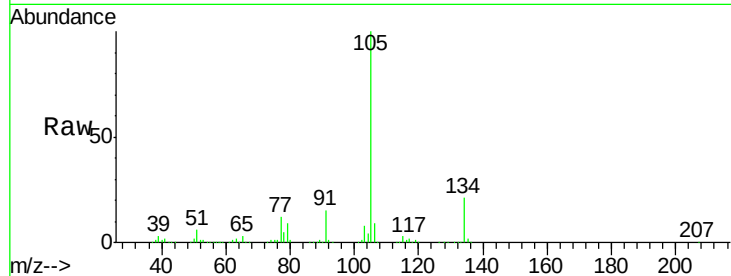
134 21.0 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 23.488 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

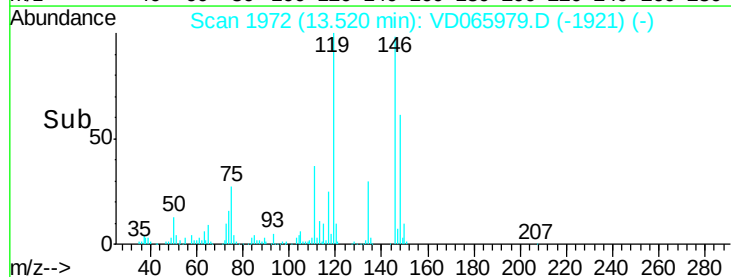
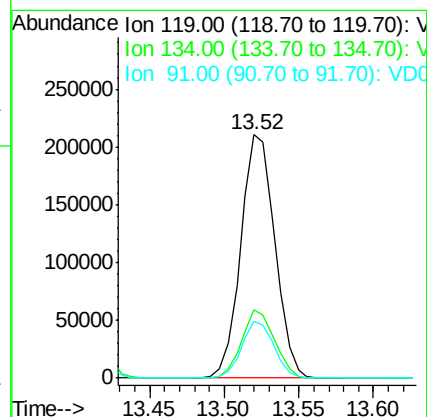
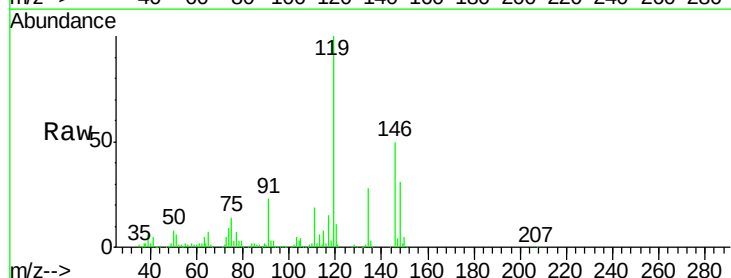
Tgt Ion:119 Resp: 333248

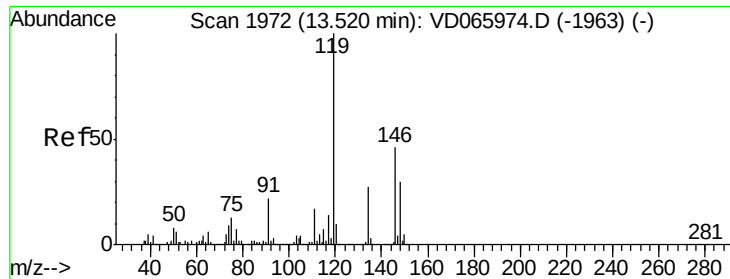
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.2

91 22.0 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 22.590 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Instrument :

MSVOA_D

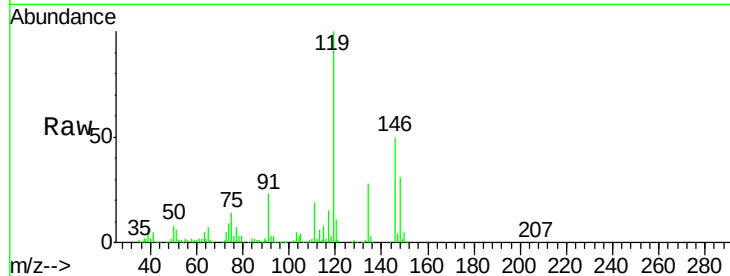
ClientSampleId :

VD0721SBS01

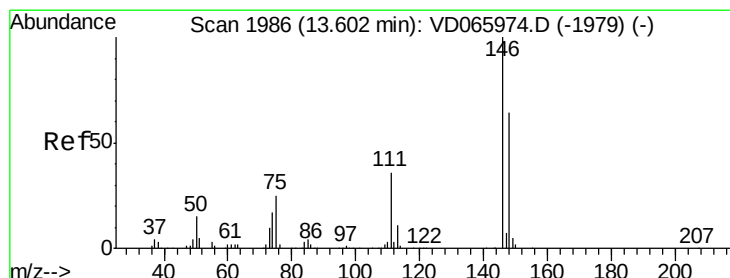
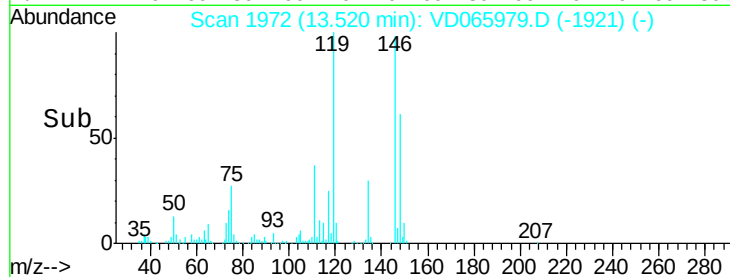
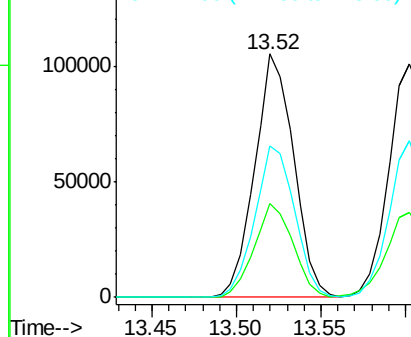
Tot Ion:	146	Resp:	169039
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.6	55.6
148	63.3	32.4	97.0

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 22.369 ug/l

RT: 13.60 min Scan# 1986

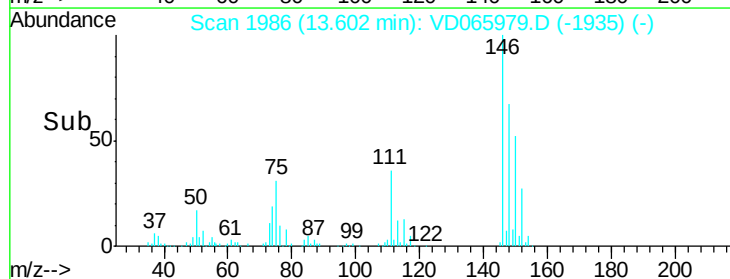
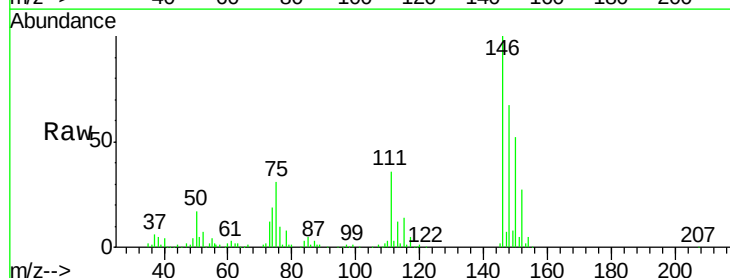
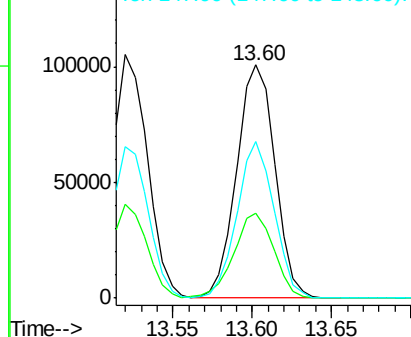
Delta R.T. 0.00 min

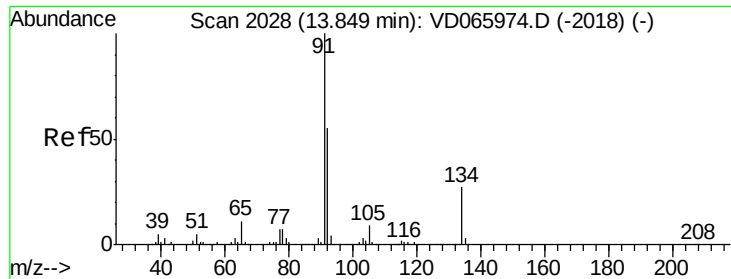
Lab File: VD065979.D

Acq: 21 Jul 2020 14:49

Tgt Ion:	146	Resp:	169210
Ion Ratio	Lower	Upper	
146	100		
111	38.0	18.8	56.4
148	65.0	32.2	96.6

Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





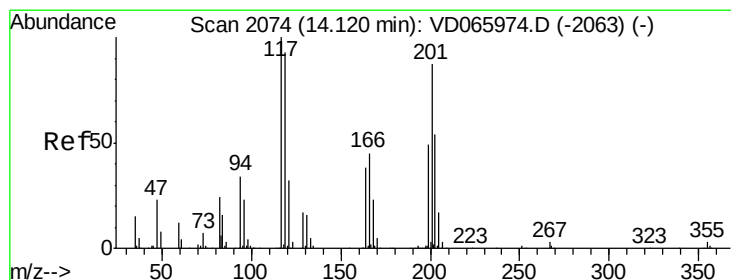
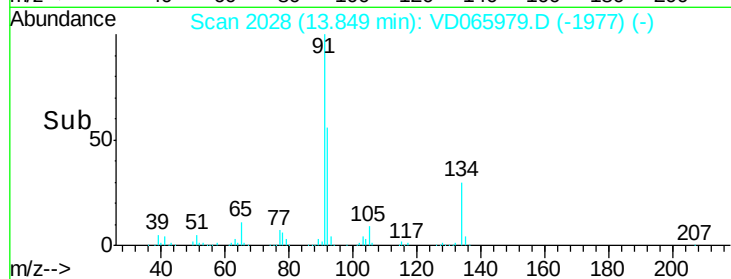
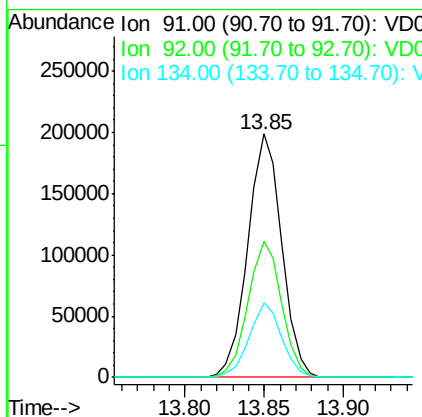
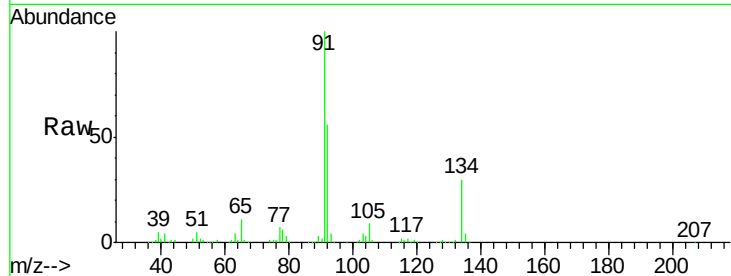
#89
n-Butylbenzene
Concen: 22.418 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.3	27.2	81.6	
134	29.1	13.8	41.4	

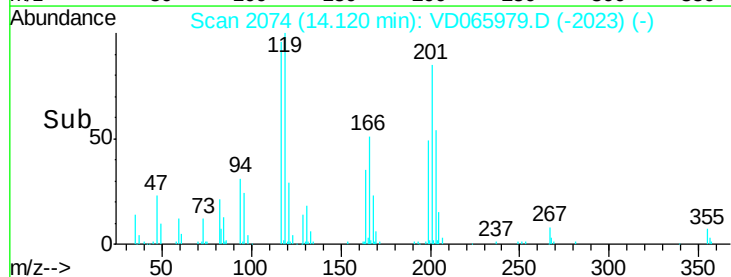
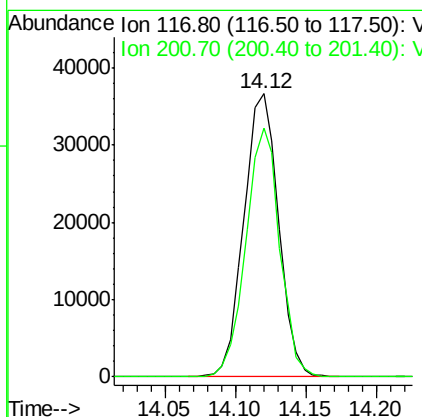
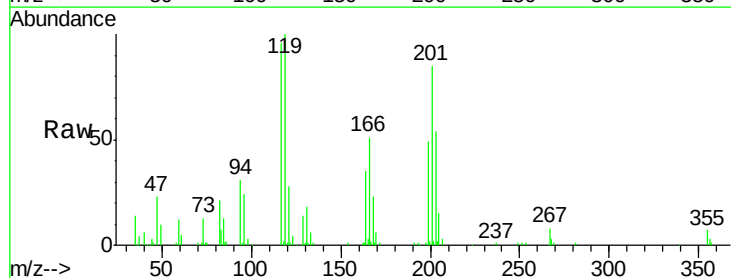
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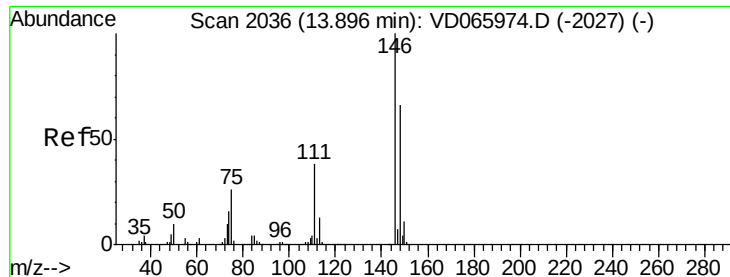
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#90
Hexachloroethane
Concen: 21.525 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	85.8	42.0	126.1	





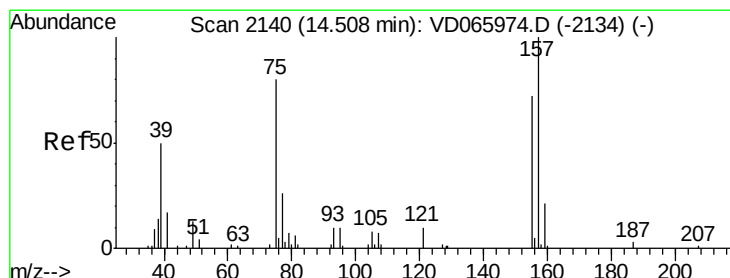
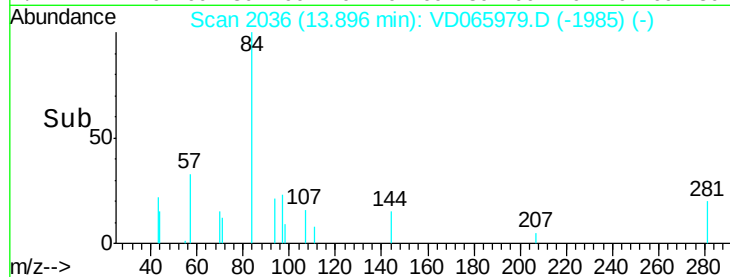
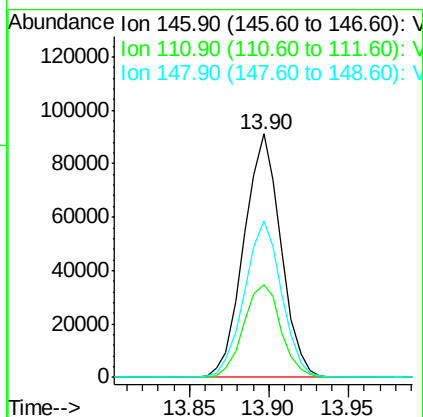
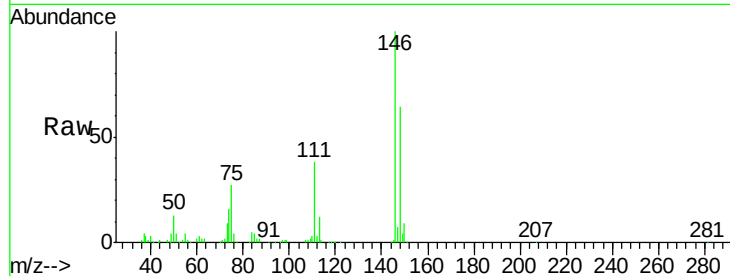
#91
1,2-Dichlorobenzene
Concen: 22.722 ug/l
RT: 13.90 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.3	57.9
148	64.5	32.7	98.1

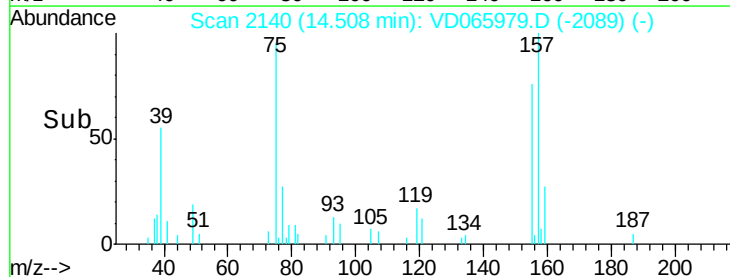
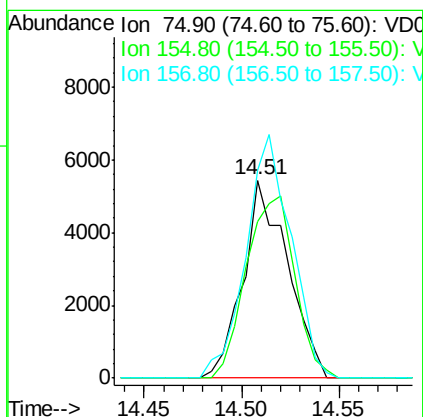
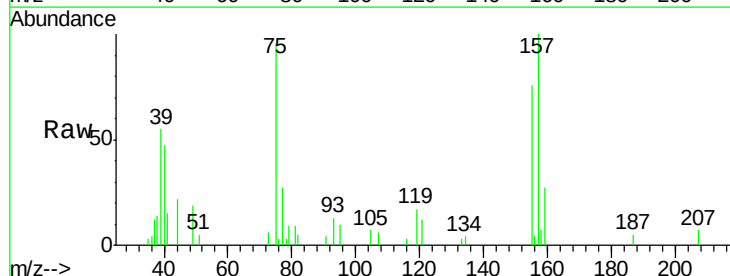
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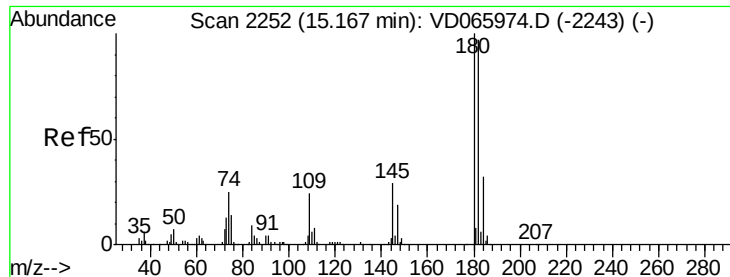
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#92
1,2-Dibromo-3-Chloropropane
Concen: 20.157 ug/l
RT: 14.51 min Scan# 2140
Delta R.T. 0.00 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.2	48.5	145.5
157	124.6	64.7	194.1





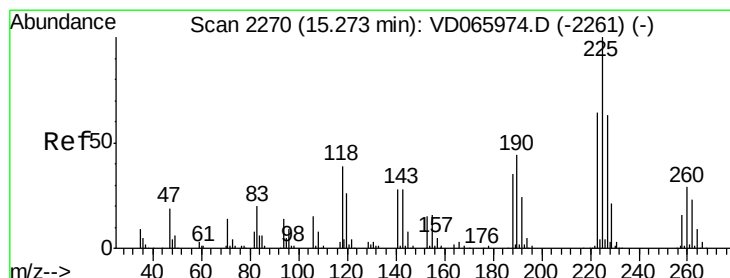
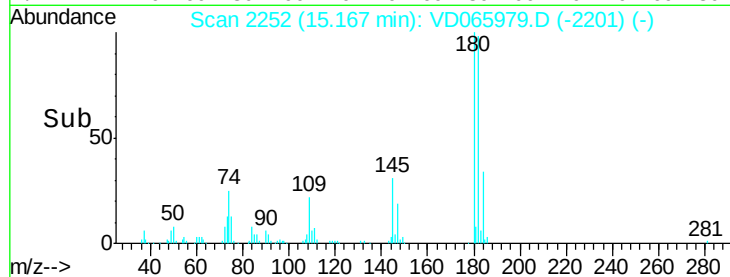
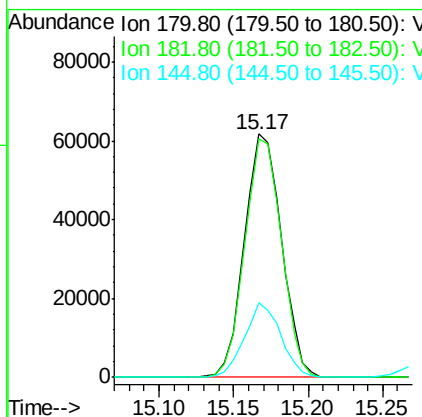
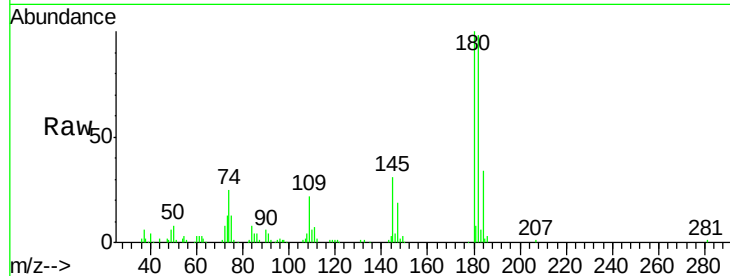
#93
 1,2,4-Trichlorobenzene
 Concen: 22.834 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD065979.D
 Acq: 21 Jul 2020 14:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBS01

Tot Ion:	180	Resp:	106277
Ion Ratio	Lower	Upper	
180	100		
182	96.9	48.1	144.3
145	29.8	14.7	44.1

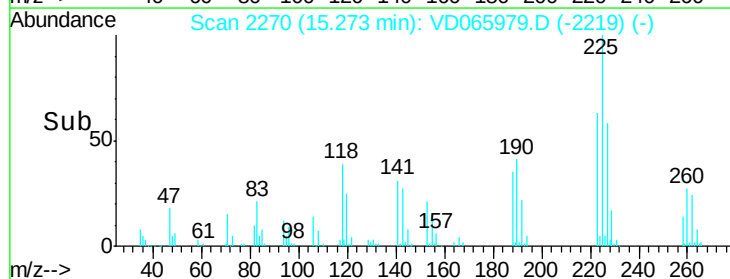
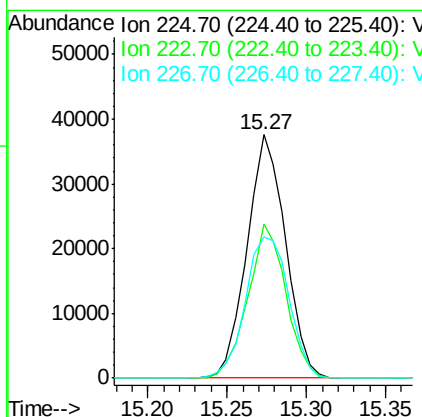
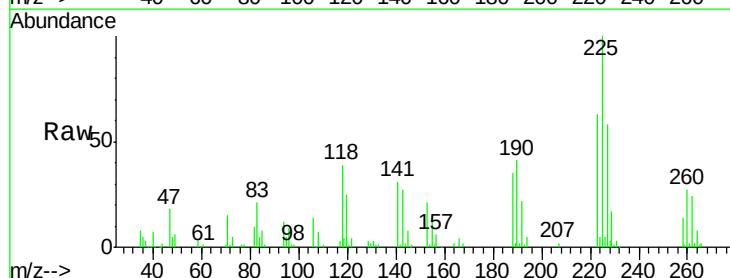
Manual Integrations
 APPROVED

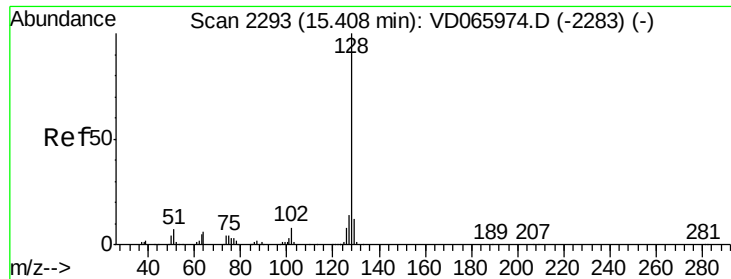
MMDadoda
 7/22/2020 2:44:32 PM



#94
 Hexachlorobutadiene
 Concen: 22.005 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD065979.D
 Acq: 21 Jul 2020 14:49

Tgt Ion:	225	Resp:	63318
Ion Ratio	Lower	Upper	
225	100		
223	62.4	31.2	93.6
227	65.6	31.6	94.8





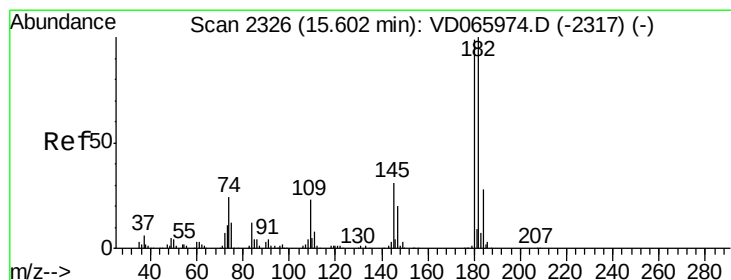
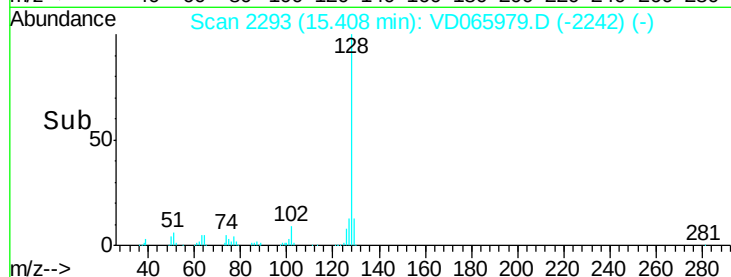
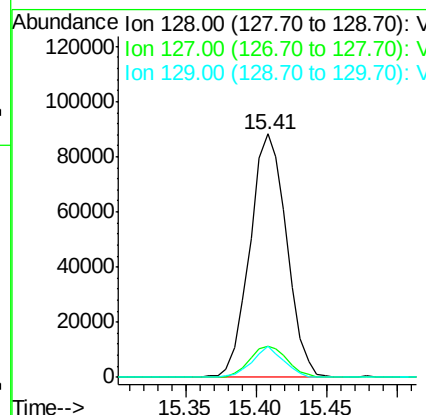
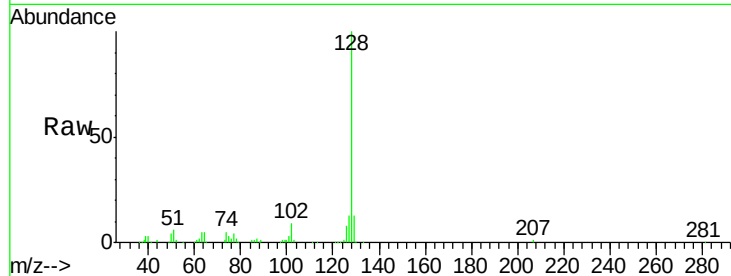
#95
Naphthalene
Concen: 21.623 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	161035		
127	13.1	10.8	16.2	
129	11.1	8.9	13.3	

Manual Integrations
APPROVED

MMDadoda
7/22/2020 2:44:32 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.801 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD065979.D
Acq: 21 Jul 2020 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	92255		
182	92.2	47.9	143.6	
145	29.9	15.4	46.2	

