

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042220\
 Data File : VD065669.D
 Acq On : 22 Apr 2020 18:19
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSV042220

Manual Integrations
 APPROVED

MMDadoda
 4/23/2020 1:31:49 PM

Quant Time: Apr 23 04:18:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042220S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 04:14:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	225766	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	321500	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	257993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	153378	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	92259	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	
35) Dibromofluoromethane	7.92	113	94632	46.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.14%	
50) Toluene-d8	10.34	98	347087	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	
62) 4-Bromofluorobenzene	12.64	95	110613	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	97494	56.811	ug/l	98
3) Chloromethane	2.21	50	102323	53.741	ug/l	99
4) Vinyl Chloride	2.35	62	110389	51.566	ug/l	100
5) Bromomethane	2.77	94	70939	53.861	ug/l	94
6) Chloroethane	2.93	64	69224	52.182	ug/l	95
7) Trichlorofluoromethane	3.27	101	159546	50.712	ug/l	96
8) Diethyl Ether	3.71	74	36535	63.513	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	78963	62.512	ug/l	100
10) Methyl Iodide	4.29	142	105213	70.359	ug/l	96
11) Tert butyl alcohol	5.24	59	30588	288.743	ug/l	100
12) 1,1-Dichloroethene	4.06	96	73280	63.870	ug/l	98
13) Acrolein	3.93	56	26775	323.304	ug/l	99
14) Allyl chloride	4.71	41	169026	77.555	ug/l	93
15) Acrylonitrile	5.43	53	123439	297.865	ug/l	98
16) Acetone	4.16	43	70623	285.782	ug/l	99
17) Carbon Disulfide	4.40	76	351628	80.740	ug/l	99
18) Methyl Acetate	4.73	43	62535	78.568	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	230559	61.883	ug/l	95
20) Methylene Chloride	4.96	84	120834	50.463	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	122717	59.114	ug/l	96
22) Diisopropyl ether	6.37	45	344978	61.513	ug/l	98
23) Vinyl Acetate	6.31	43	989924	318.768	ug/l	99
24) 1,1-Dichloroethane	6.26	63	204668	57.075	ug/l	99
25) 2-Butanone	7.22	43	147639	280.492	ug/l	98
26) 2,2-Dichloropropane	7.21	77	166350	51.398	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	130444	57.928	ug/l	97
28) Bromochloromethane	7.55	49	74956	49.863	ug/l	98
29) Tetrahydrofuran	7.57	42	100799	299.776	ug/l	99
30) Chloroform	7.71	83	207904	54.684	ug/l	96
31) Cyclohexane	7.98	56	184777	52.154	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	183379	53.274	ug/l	98
36) 1,1-Dichloropropene	8.11	75	164236	53.208	ug/l	99
37) Ethyl Acetate	7.30	43	68592	53.075	ug/l	99
38) Carbon Tetrachloride	8.10	117	170493	51.124	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	195901	55.410	ug/l	98
40) Benzene	8.36	78	475054	54.485	ug/l	97
41) Methacrylonitrile	7.53	41	40795	59.005	ug/l	96
42) 1,2-Dichloroethane	8.43	62	134302	54.465	ug/l	100
43) Isopropyl Acetate	8.46	43	126993	55.908	ug/l	99
44) Trichloroethene	9.11	130	132018	53.301	ug/l	98
45) 1,2-Dichloropropane	9.39	63	116650	54.631	ug/l	96
46) Dibromomethane	9.48	93	61366	53.949	ug/l	98
47) Bromodichloromethane	9.67	83	159677	53.303	ug/l	97
48) Methyl methacrylate	9.46	41	62996	58.172	ug/l	99
49) 1,4-Dioxane	9.47	88	15402	1170.670	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	338385	287.760	ug/l	100
52) Toluene	10.41	92	302104	54.972	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	151752	55.762	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	175299	53.316	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	86215	53.727	ug/l	99
56) Ethyl methacrylate	10.67	69	104039	52.990	ug/l	94
57) 1,3-Dichloropropane	10.95	76	148616	55.169	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	235353	239.156	ug/l	100
59) 2-Hexanone	10.99	43	230679	289.527	ug/l	98
60) Dibromochloromethane	11.14	129	112763	53.569	ug/l	98
61) 1,2-Dibromoethane	11.25	107	82852	54.151	ug/l	100
64) Tetrachloroethene	10.88	164	113278	62.295	ug/l	99
65) Chlorobenzene	11.67	112	298468	59.077	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	121064	62.941	ug/l	97
67) Ethyl Benzene	11.75	91	554374	65.259	ug/l	99
68) m/p-Xylenes	11.86	106	439191	131.708	ug/l	99
69) o-Xylene	12.18	106	197081	68.955	ug/l	99
70) Styrene	12.20	104	352440	68.821	ug/l	99
71) Bromoform	12.37	173	69194	61.996	ug/l #	99
73) Isopropylbenzene	12.48	105	496249	55.131	ug/l	100
74) N-amyl acetate	12.30	43	114820	57.913	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	85220	50.525	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	55438m	49.273	ug/l	
77) Bromobenzene	12.77	156	129160	53.682	ug/l	97
78) n-propylbenzene	12.83	91	608401	55.640	ug/l	100
79) 2-Chlorotoluene	12.91	91	352581	56.759	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	450197	58.942	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	29059	52.019	ug/l	95
82) 4-Chlorotoluene	13.01	91	376017	56.307	ug/l	100
83) tert-Butylbenzene	13.23	119	374277	58.826	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	447089	58.829	ug/l	99
85) sec-Butylbenzene	13.41	105	518233	57.029	ug/l	100
86) p-Isopropyltoluene	13.53	119	490340	58.644	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	259262	55.601	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	253509	54.105	ug/l	99
89) n-Butylbenzene	13.86	91	437909	57.640	ug/l	99
90) Hexachloroethane	14.12	117	87021	48.085	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	224560	55.569	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12830	48.906	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	149116	54.247	ug/l	99
94) Hexachlorobutadiene	15.28	225	100967	53.275	ug/l	99
95) Naphthalene	15.41	128	255151	53.194	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	141081	57.790	ug/l	99

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

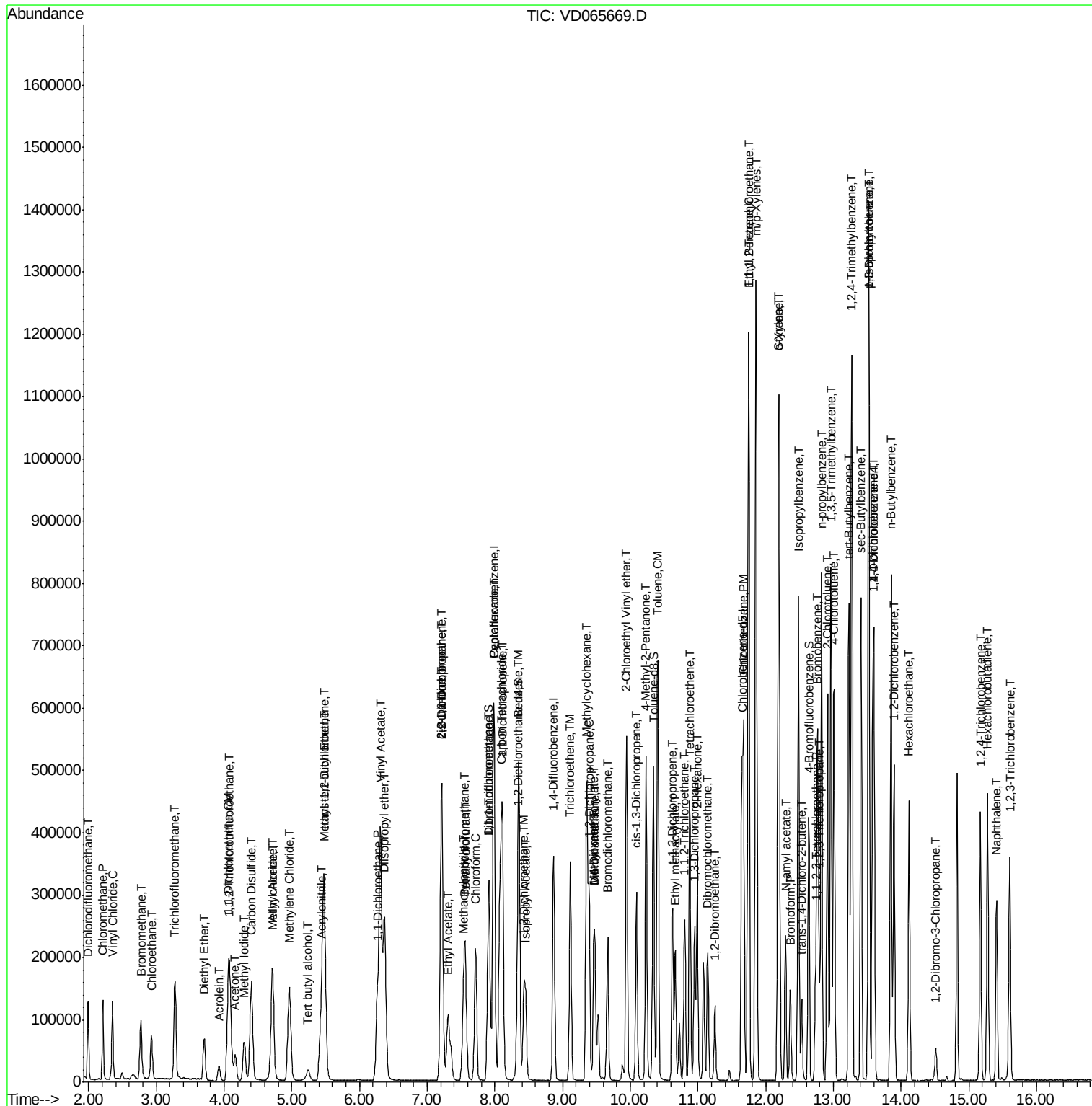
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042220\
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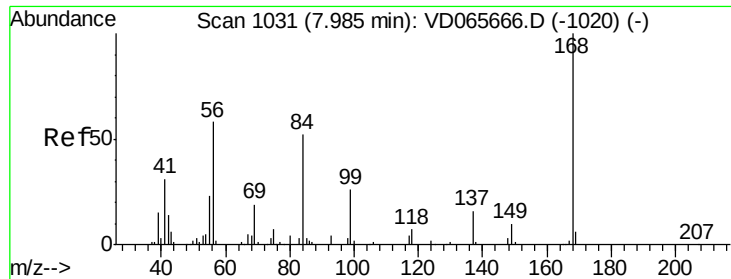
Instrument :
MSVOA_D
ClientSampleId :
ICVVD042220

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

ICVVD042220

Tot Ion:168 Resp: 225766

Ion Ratio Lower Upper

168 100

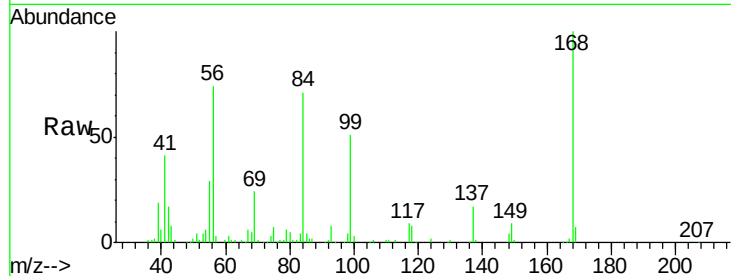
99 50.8 39.0 58.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

120000

100000

80000

60000

40000

20000

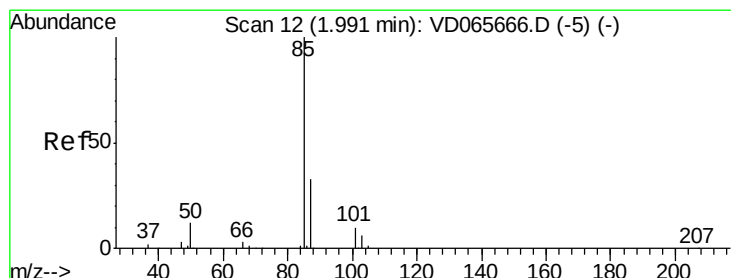
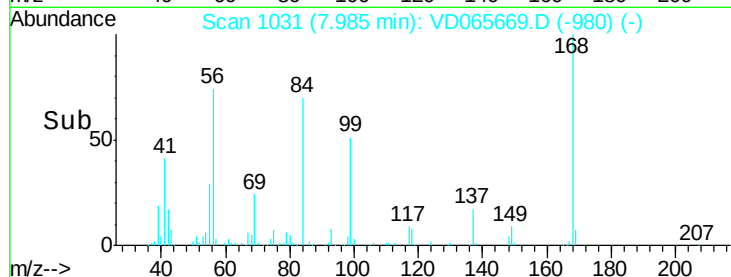
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 56.811 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065669.D

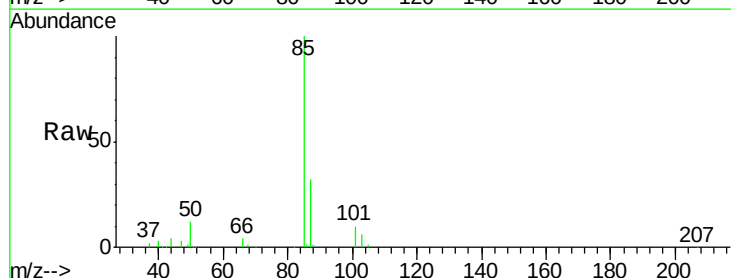
Acq: 22 Apr 2020 18:19

Tgt Ion: 85 Resp: 97494

Ion Ratio Lower Upper

85 100

87 32.1 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

80000

60000

40000

20000

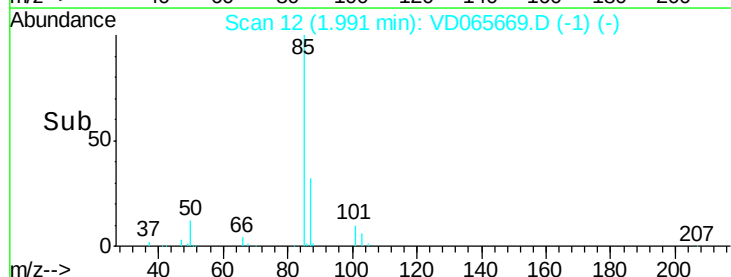
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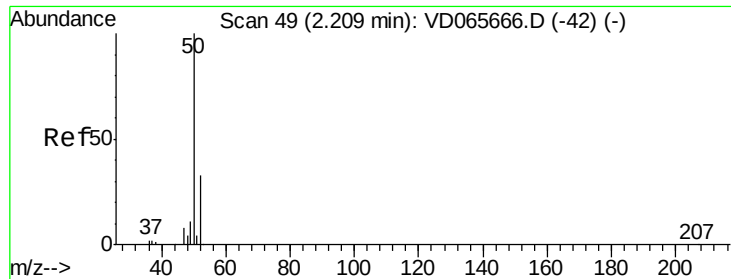
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 53.741 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

ICVVD042220

Tot Ion: 50 Resp: 102323

Ion Ratio Lower Upper

50 100

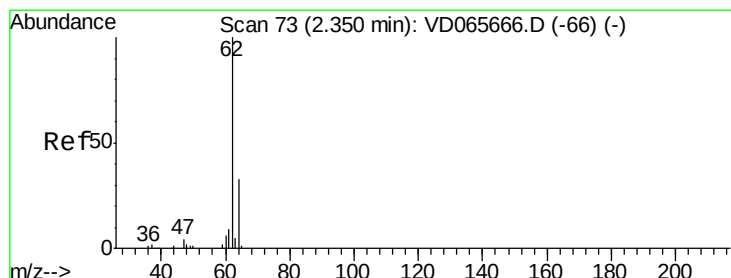
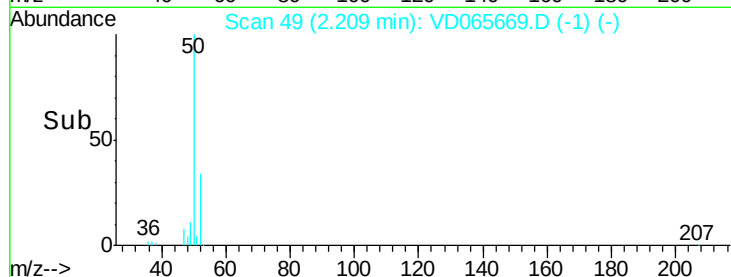
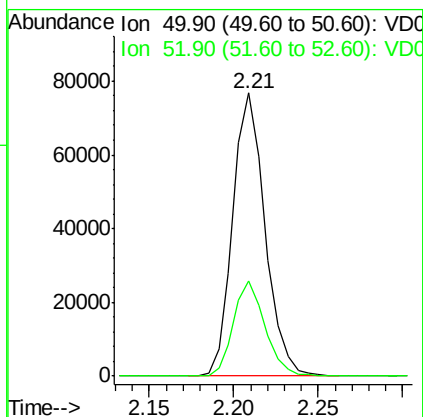
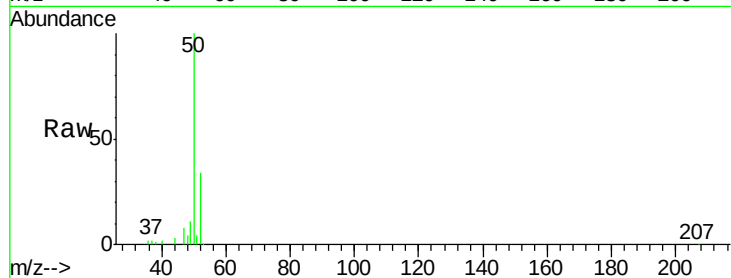
52 33.8 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.566 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065669.D

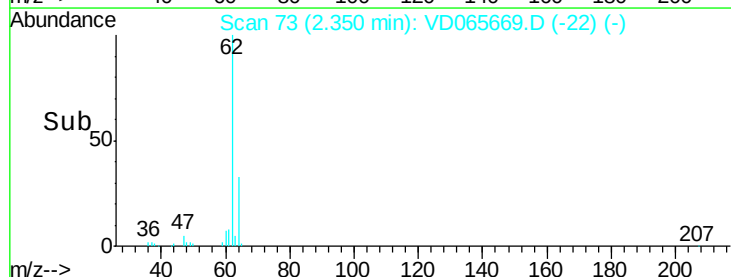
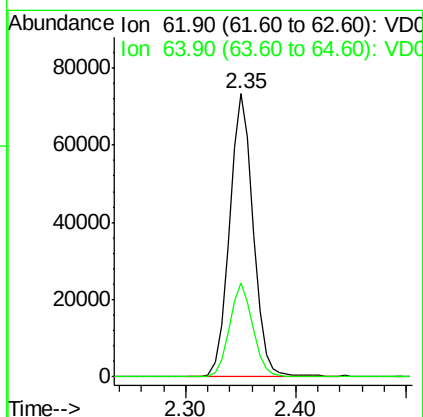
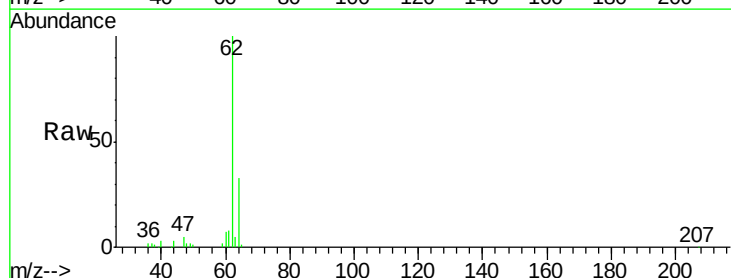
Acq: 22 Apr 2020 18:19

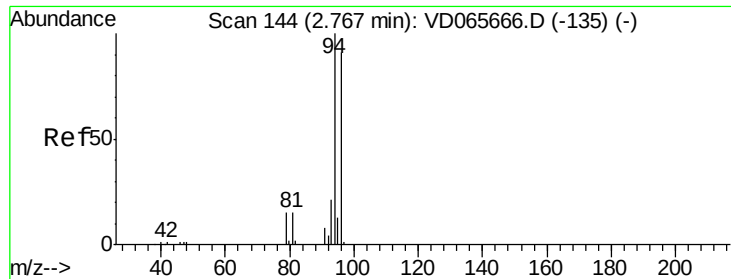
Tgt Ion: 62 Resp: 110389

Ion Ratio Lower Upper

62 100

64 33.2 26.4 39.6





#5

Bromomethane

Concen: 53.861 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

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Tot Ion: 94 Resp: 70939

Ion Ratio Lower Upper

94 100

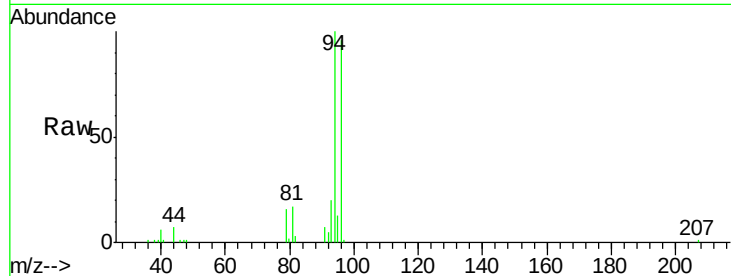
96 96.2 72.4 108.6

Manual Integrations

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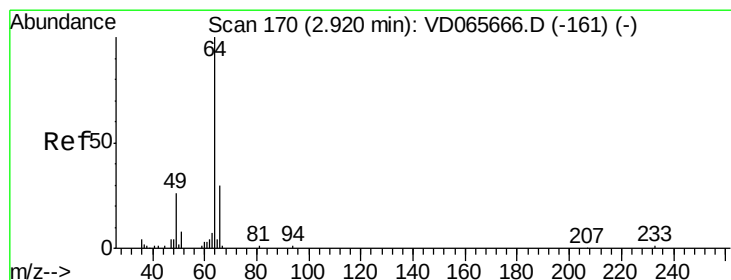
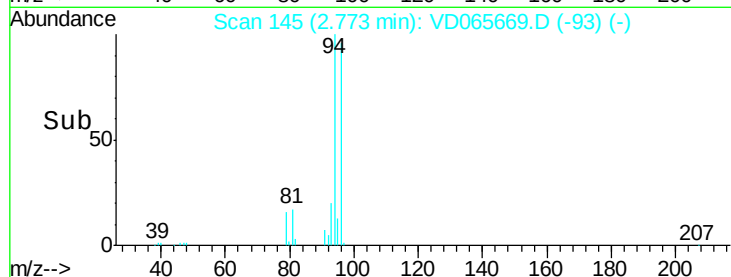
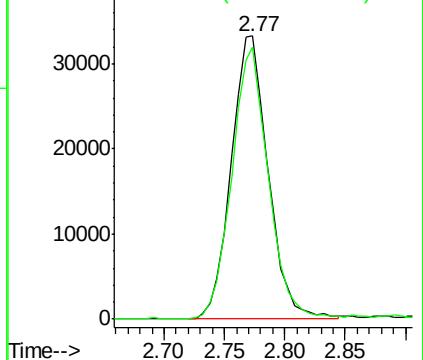
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 52.182 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD065669.D

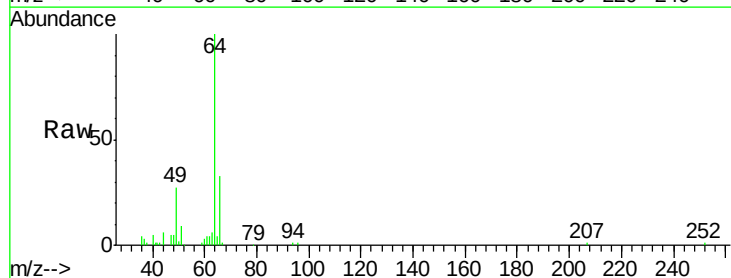
Acq: 22 Apr 2020 18:19

Tgt Ion: 64 Resp: 69224

Ion Ratio Lower Upper

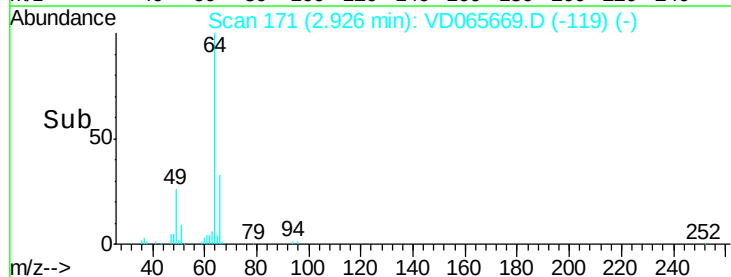
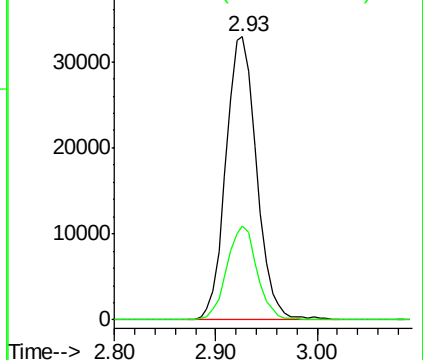
64 100

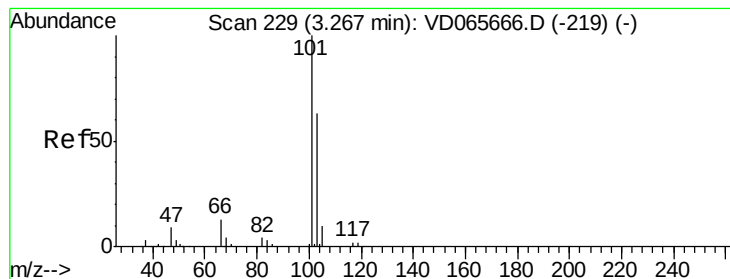
66 33.3 24.2 36.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

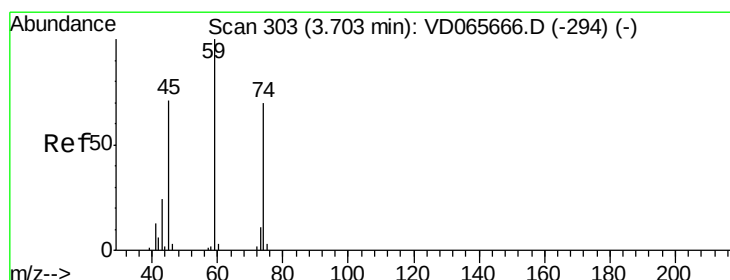
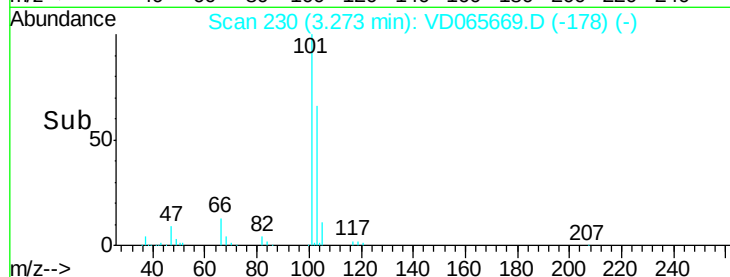
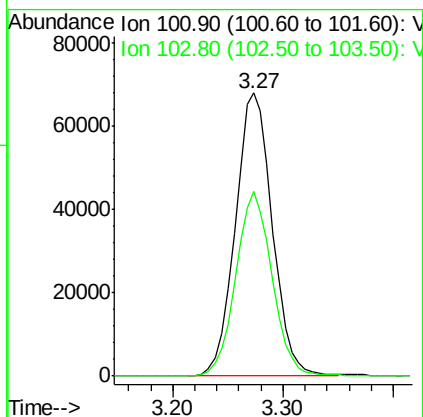
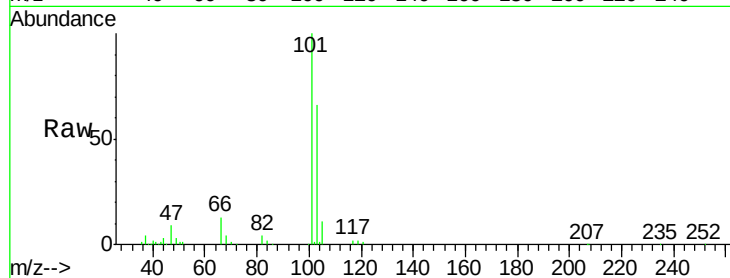
Trichlorofluoromethane
Concen: 50.712 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD065669.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	159546		
103	65.5	50.2	75.2	

Manual Integrations
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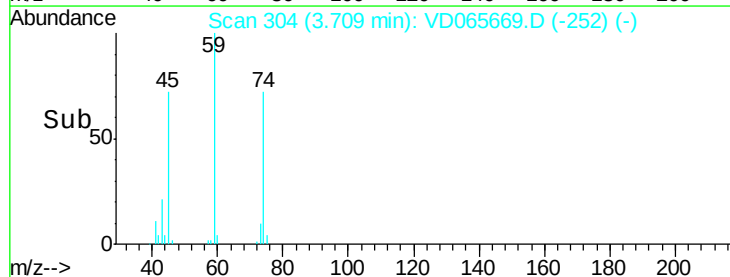
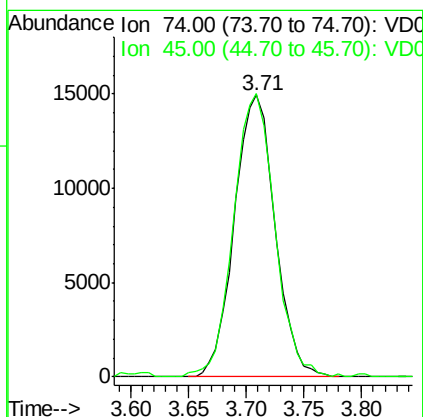
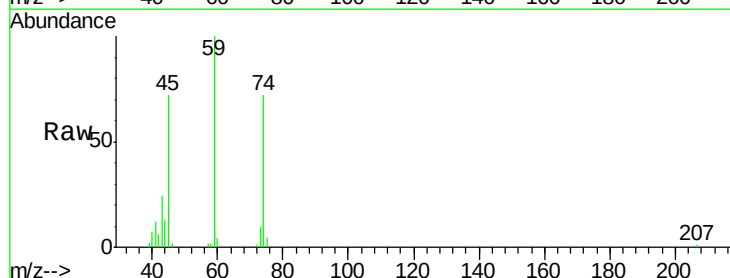
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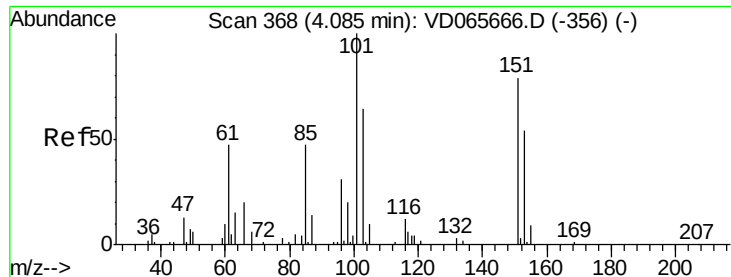


#8

Diethyl Ether
Concen: 63.513 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	36535		
45	101.8	51.0	153.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 62.512 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

Instrument :

MSVOA_D

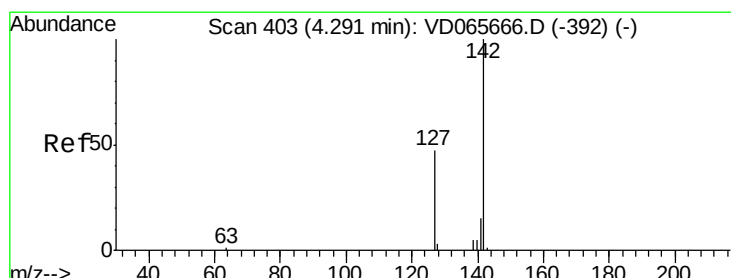
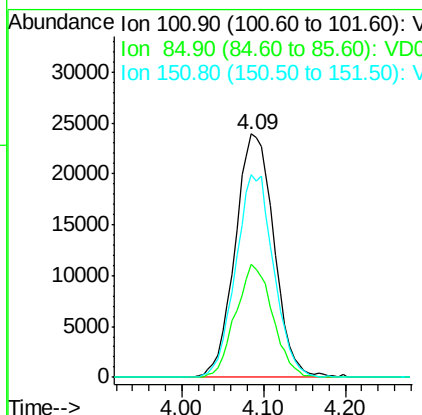
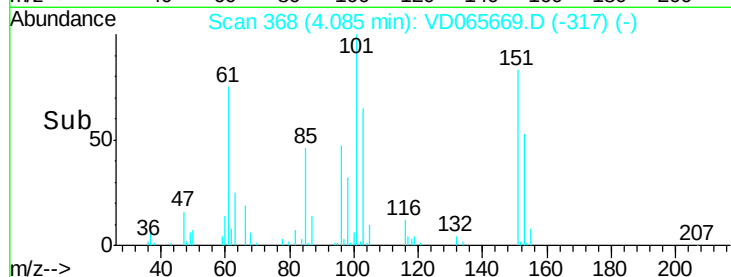
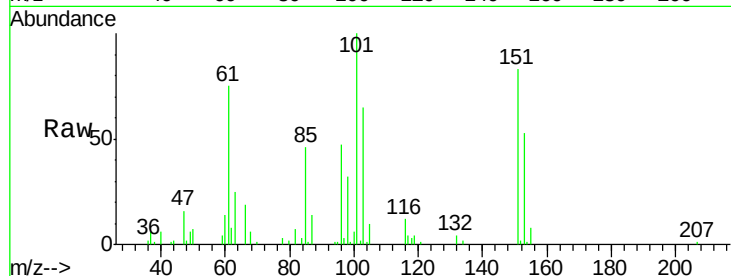
ClientSampleId :

ICVVD042220

Tot Ion:	101	Resp:	78963
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.6	53.4
151	81.6	65.4	98.0

Manual Integrations
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#10

Methyl Iodide

Concen: 70.359 ug/l

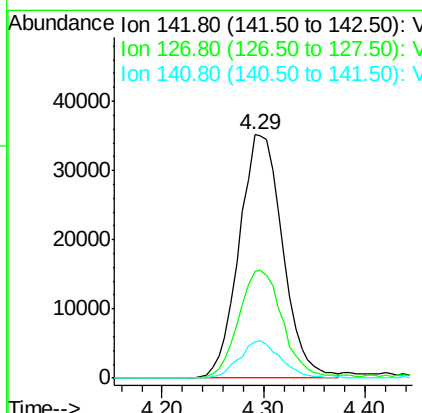
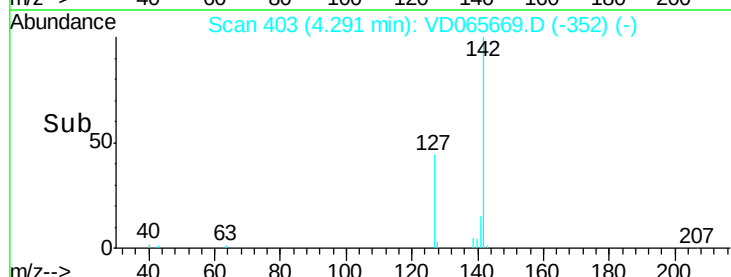
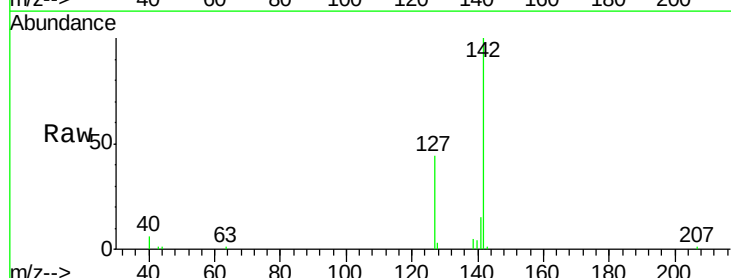
RT: 4.29 min Scan# 403

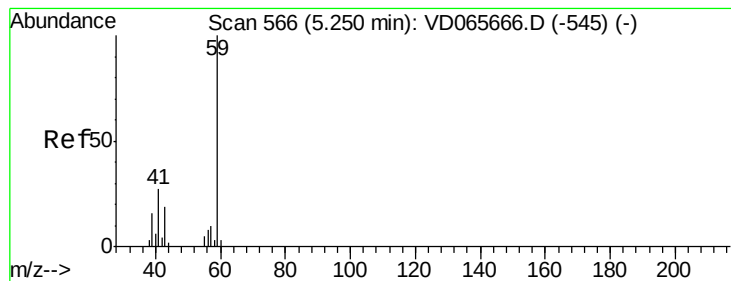
Delta R.T. 0.00 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

Tgt Ion:	142	Resp:	105213
Ion Ratio	Lower	Upper	
142	100		
127	44.7	38.2	57.2
141	14.6	12.1	18.1





#11

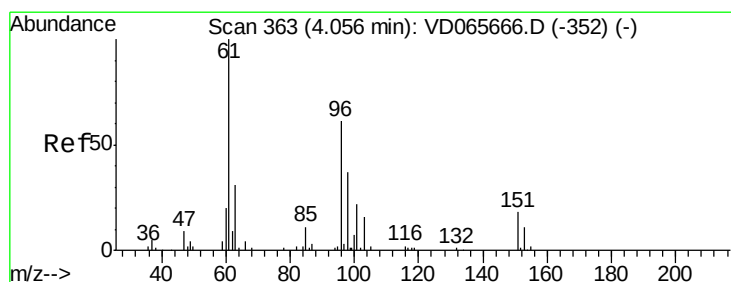
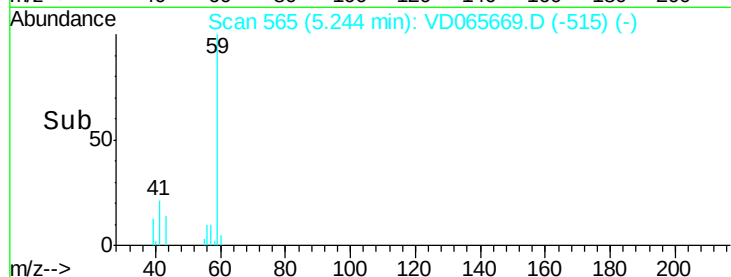
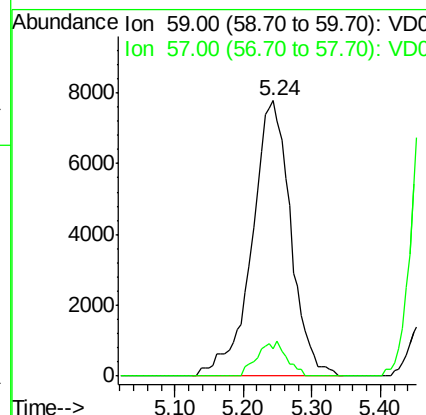
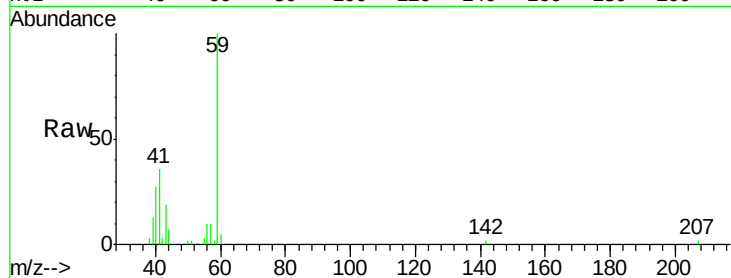
Tert butyl alcohol
Concen: 288.743 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Instrument :
MSVOA_D
ClientSampleId :
ICVVD042220

Tot Ion	Ratio	Resp	Lower	Upper
59	100	30588		
57	9.4		7.5	11.3

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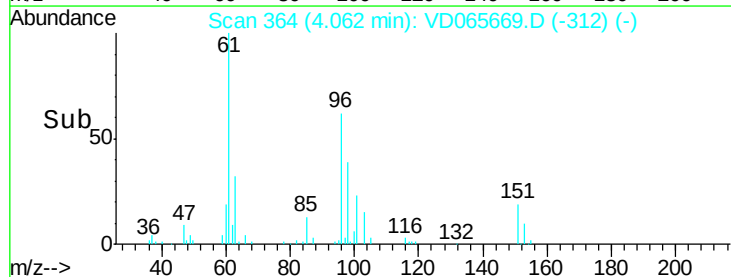
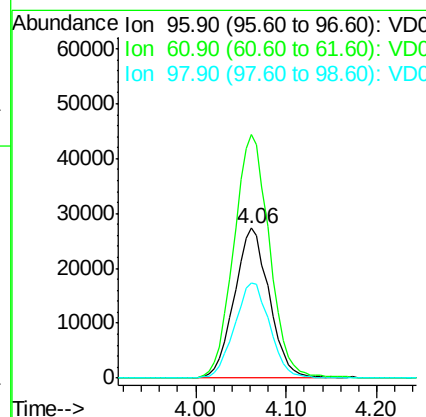
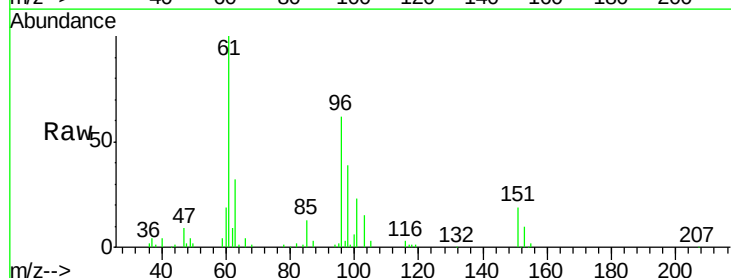
MMDadoda
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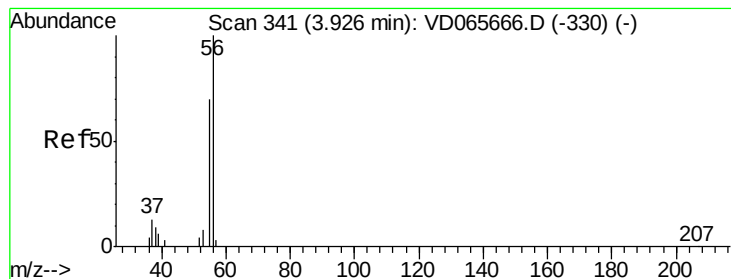


#12

1,1-Dichloroethene
Concen: 63.870 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	73280		
61	162.2		131.8	197.6
98	63.1		48.2	72.4





#13

Acrolein

Concen: 323.304 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

ICVVD042220

Tot Ion: 56 Resp: 26775

Ion Ratio Lower Upper

56 100

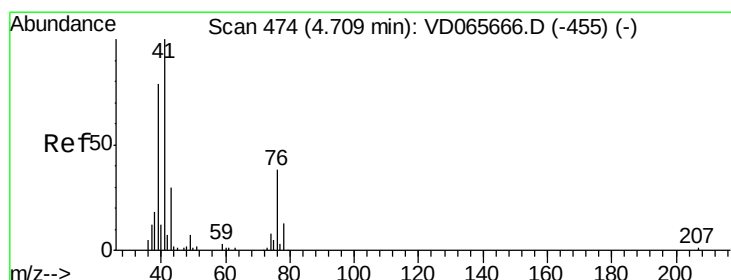
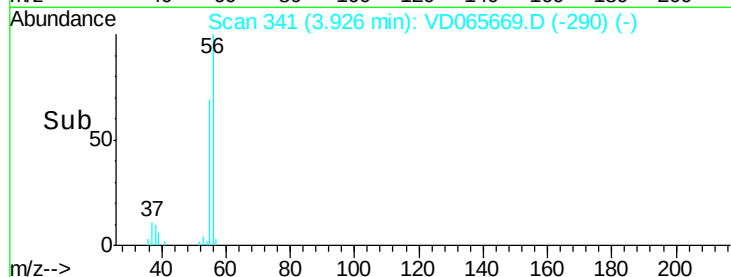
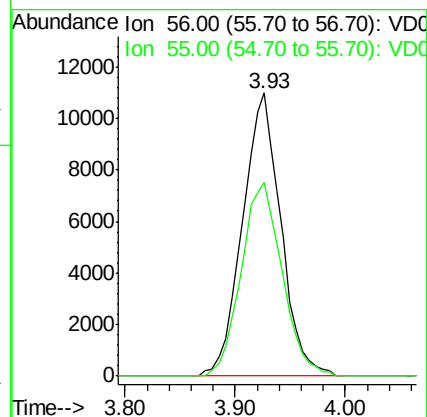
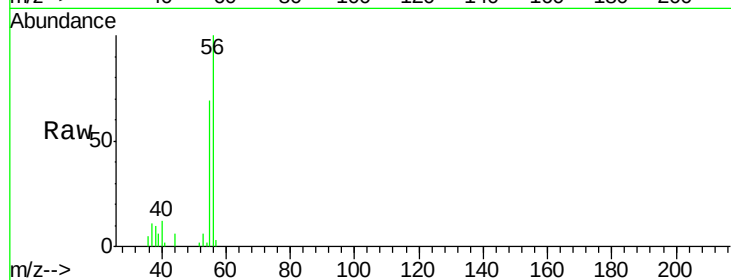
55 72.8 57.3 85.9

Manual Integrations

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#14

Allyl chloride

Concen: 77.555 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

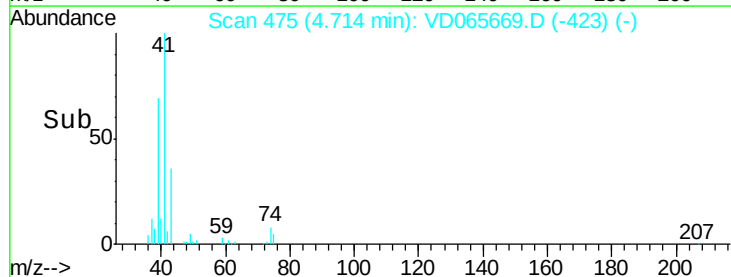
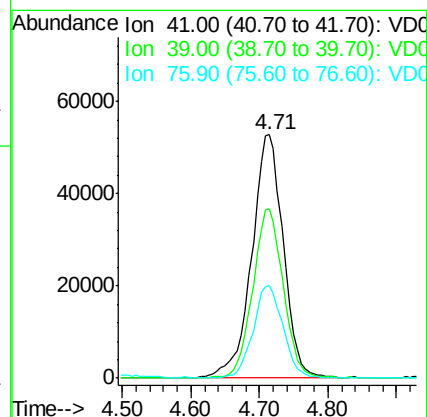
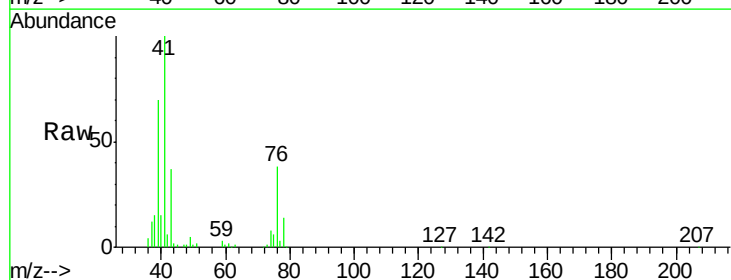
Tgt Ion: 41 Resp: 169026

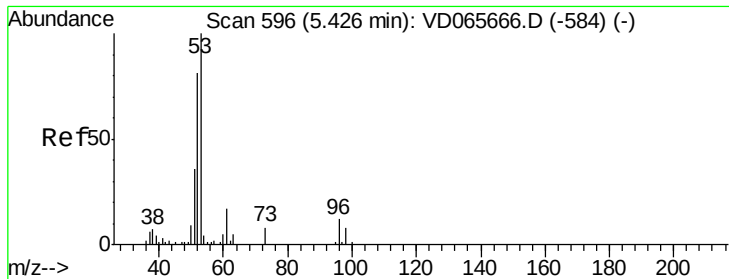
Ion Ratio Lower Upper

41 100

39 67.3 60.7 91.1

76 36.1 29.3 43.9





#15

Acrylonitrile

Concen: 297.865 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

Instrument :

MSVOA_D

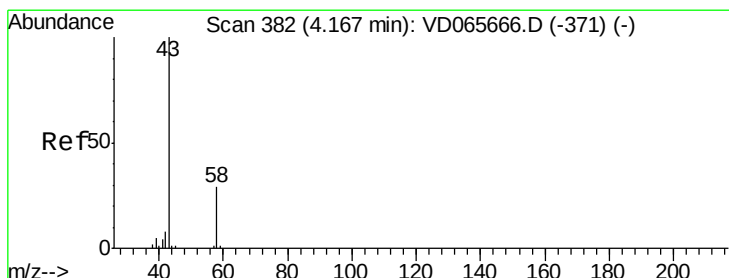
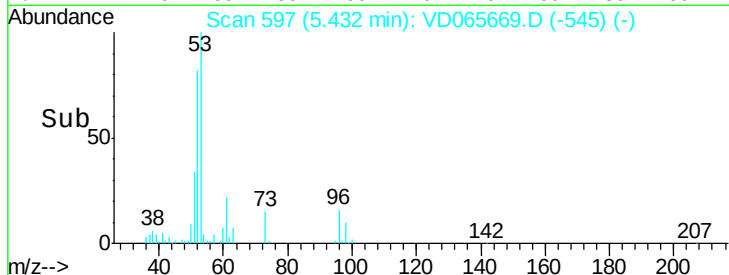
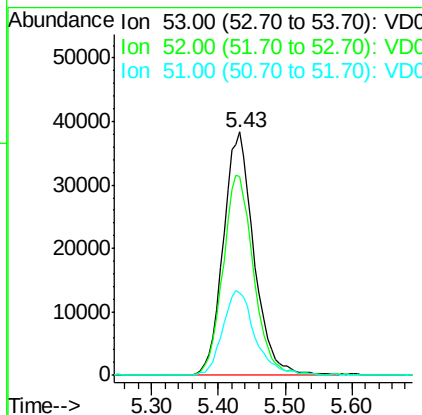
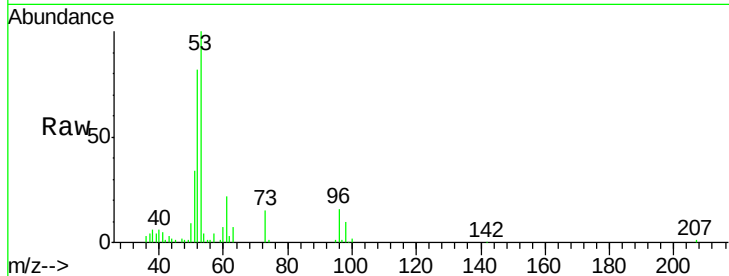
ClientSampleId :

ICVVD042220

Tot Ion:	53	Resp:	123439
Ion	Ratio	Lower	Upper
53	100		
52	82.3	64.2	96.2
51	36.6	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 285.782 ug/l

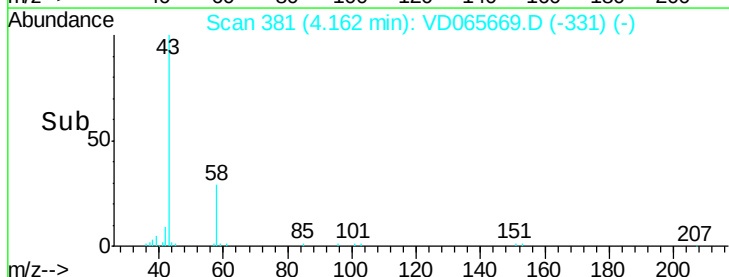
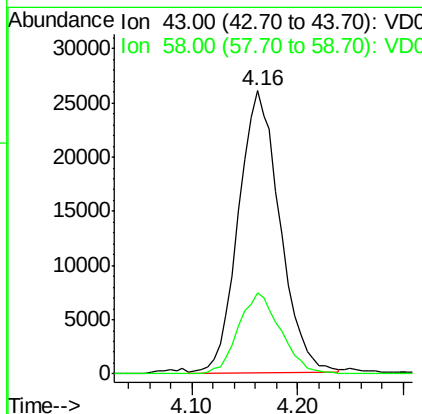
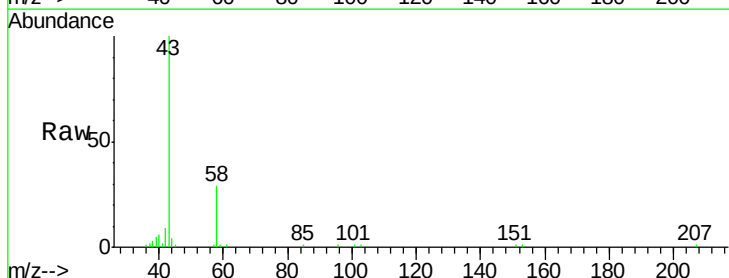
RT: 4.16 min Scan# 381

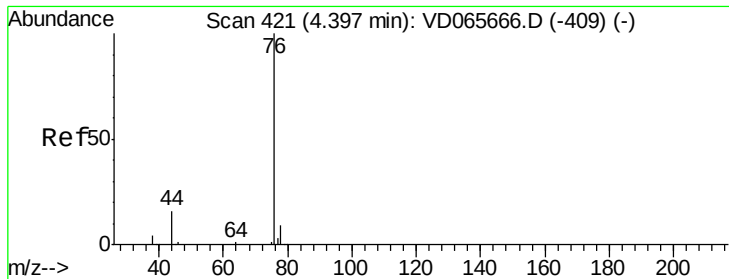
Delta R.T. -0.01 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

Tgt Ion:	43	Resp:	70623
Ion	Ratio	Lower	Upper
43	100		
58	28.8	22.6	34.0





#17

Carbon Disulfide

Concen: 80.740 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

ICVVD042220

Tot Ion: 76 Resp: 351628

Ion Ratio Lower Upper

76 100

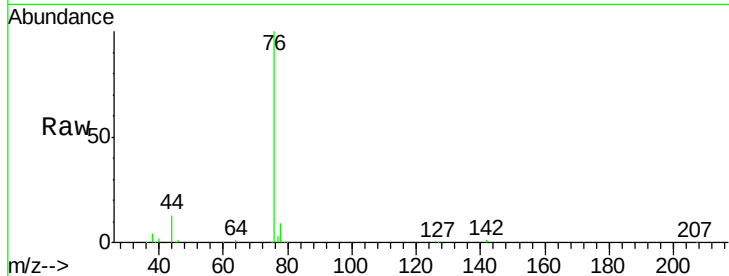
78 8.9 7.4 11.0

Manual Integrations

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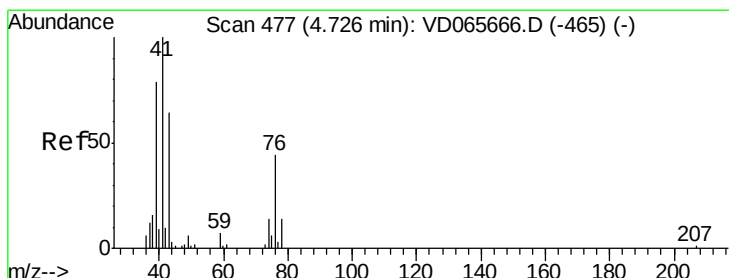
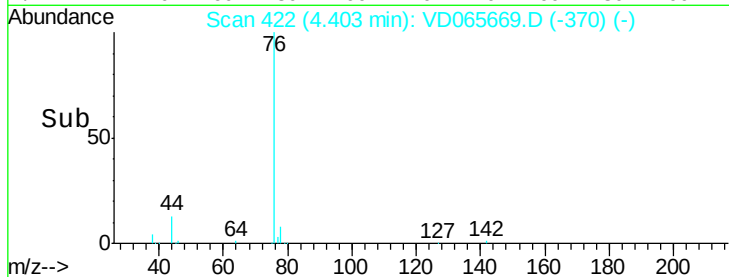
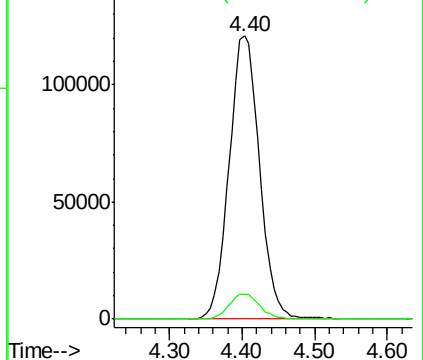
MMDadoda

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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: 78.568 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065669.D

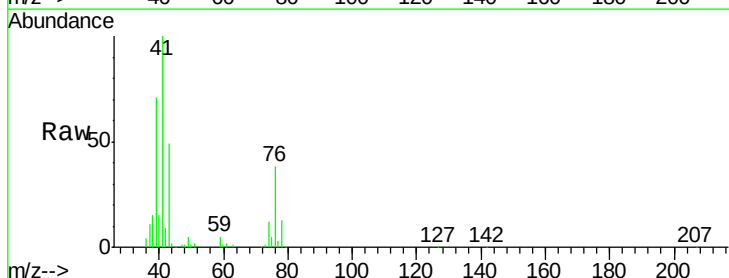
Acq: 22 Apr 2020 18:19

Tgt Ion: 43 Resp: 62535

Ion Ratio Lower Upper

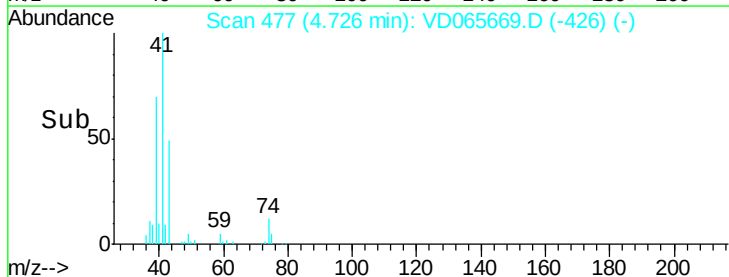
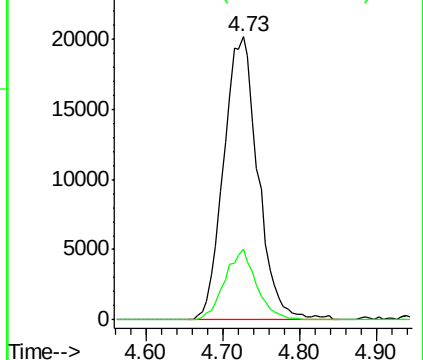
43 100

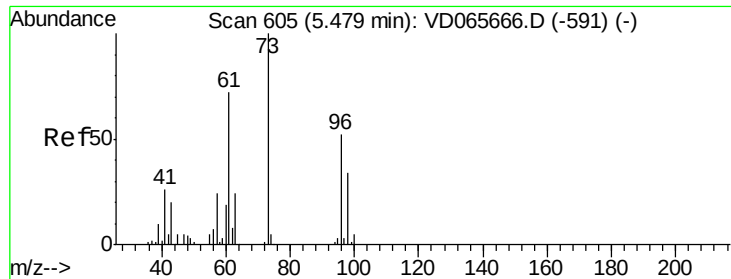
74 23.0 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





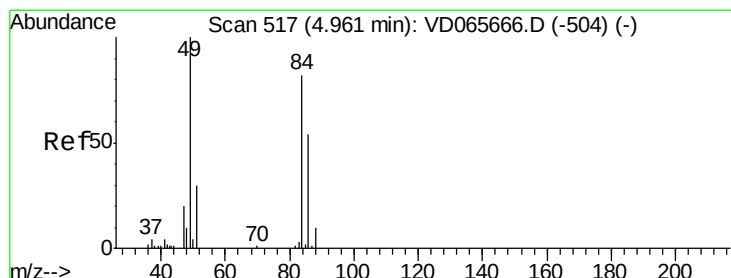
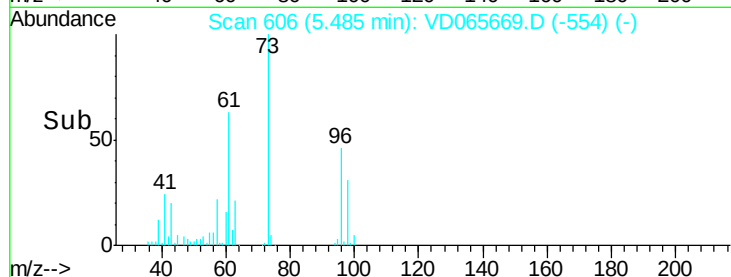
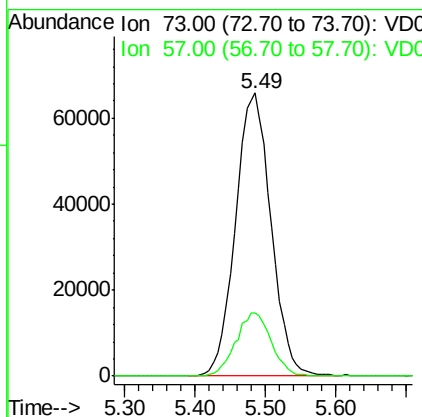
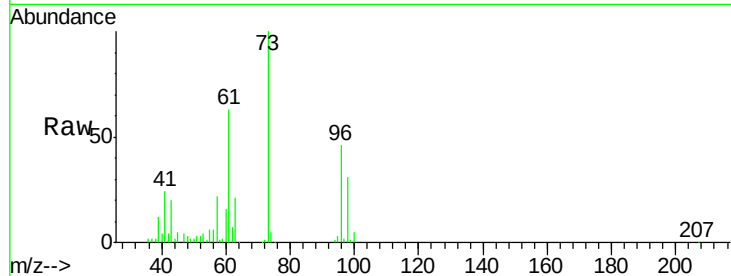
#19
Methyl tert-butyl Ether
Concen: 61.883 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Instrument :
MSVOA_D
ClientSampleId :
ICVVD042220

Tot Ion: 73 Resp: 230559
Ion Ratio Lower Upper
73 100
57 22.2 19.6 29.4

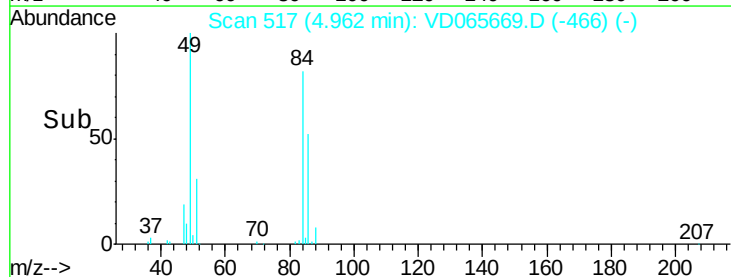
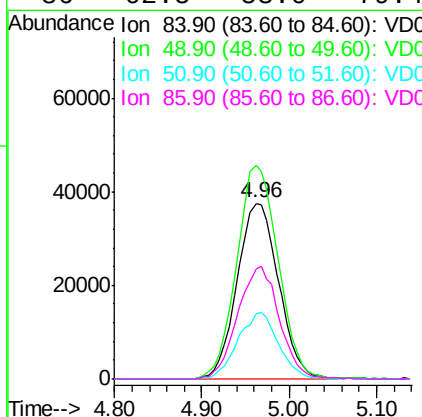
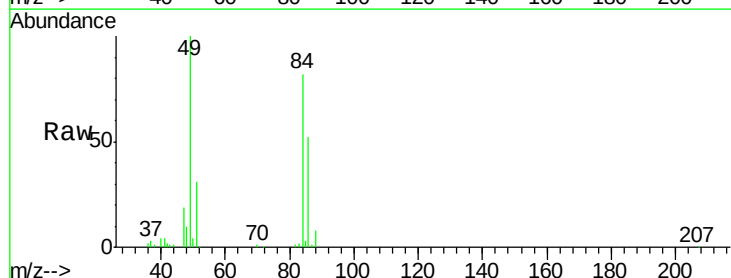
Manual Integrations
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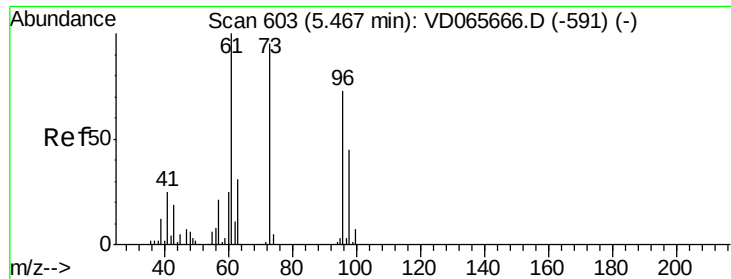
MMDadoda
4/23/2020 1:31:49 PM



#20
Methylene Chloride
Concen: 50.463 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Tgt Ion: 84 Resp: 120834
Ion Ratio Lower Upper
84 100
49 121.4 97.7 146.5
51 37.1 29.4 44.2
86 62.5 53.0 79.4





#21

trans-1,2-Dichloroethene

Concen: 59.114 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

Instrument :

MSVOA_D

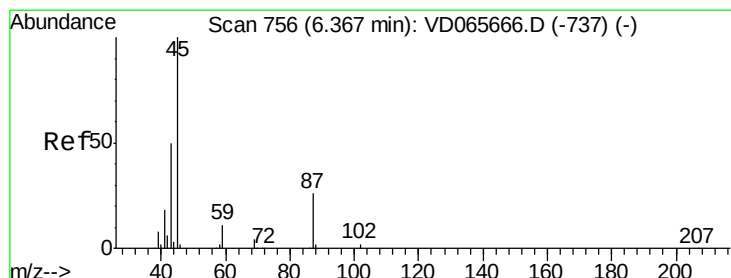
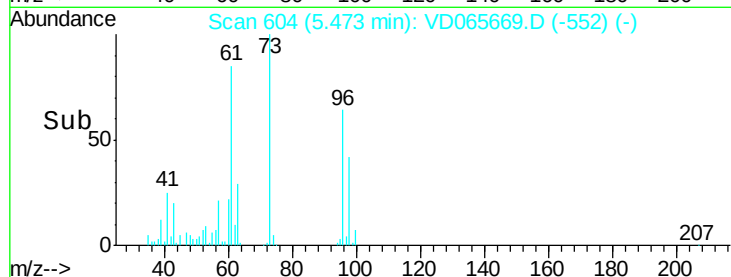
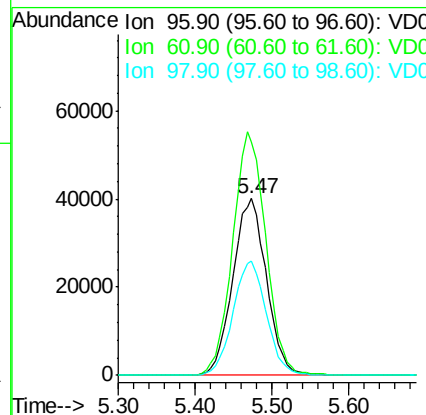
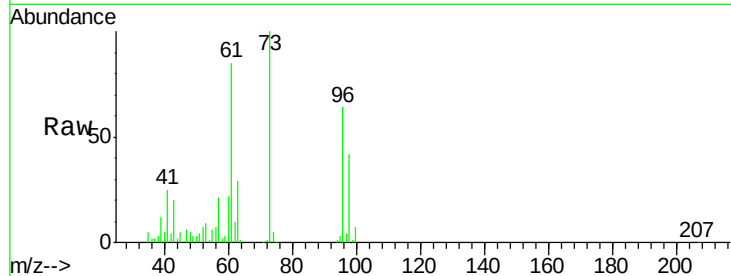
ClientSampleId :

ICVVD042220

Tot Ion:	96	Resp:	122717
Ion	Ratio	Lower	Upper
96	100		
61	132.2	109.6	164.4
98	64.9	49.3	73.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 61.513 ug/l

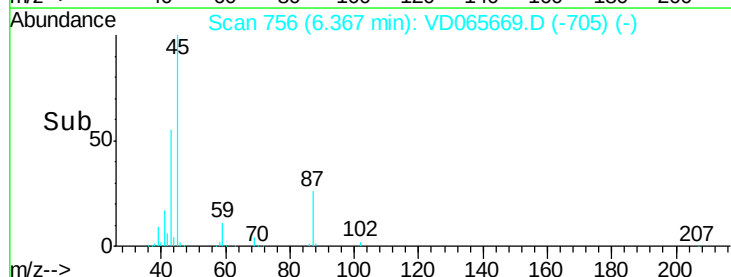
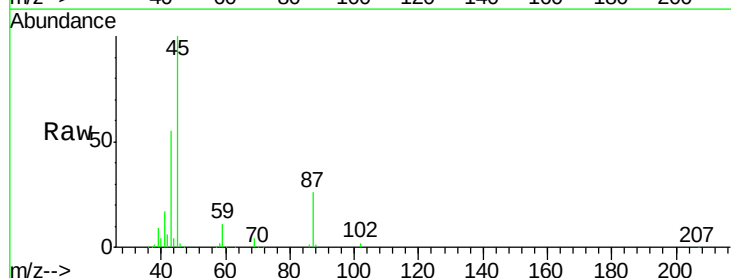
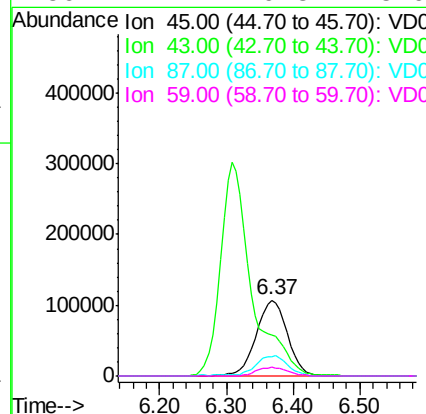
RT: 6.37 min Scan# 756

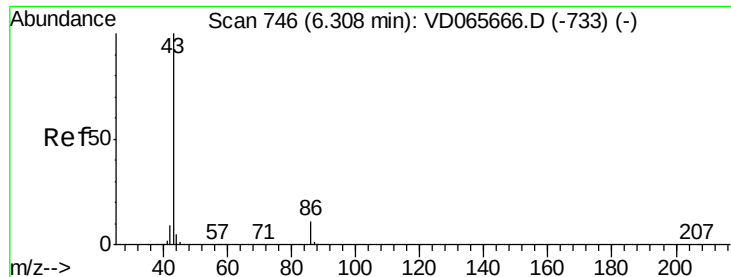
Delta R.T. 0.00 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

Tgt Ion:	45	Resp:	344978
Ion	Ratio	Lower	Upper
45	100		
43	53.9	41.9	62.9
87	25.8	21.6	32.4
59	11.1	9.3	13.9





#23

Vinyl Acetate

Concen: 318.768 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

ICVVD042220

Tot Ion: 43 Resp: 989924

Ion Ratio Lower Upper

43 100

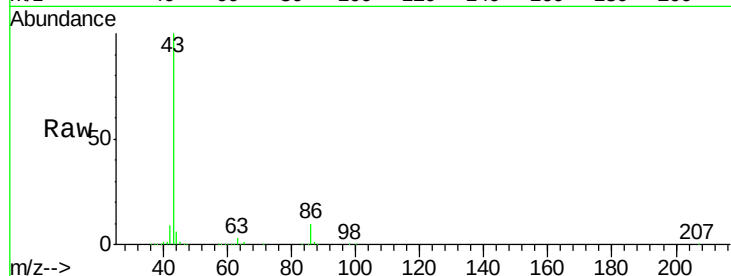
86 10.4 8.7 13.1

Manual Integrations

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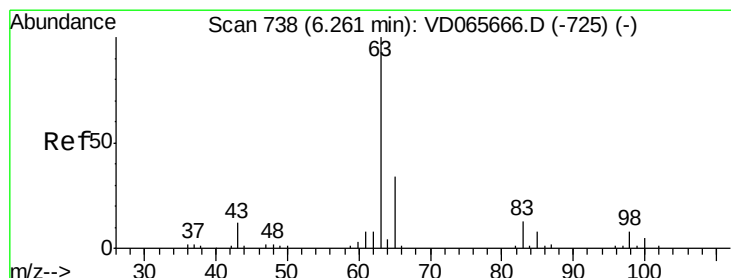
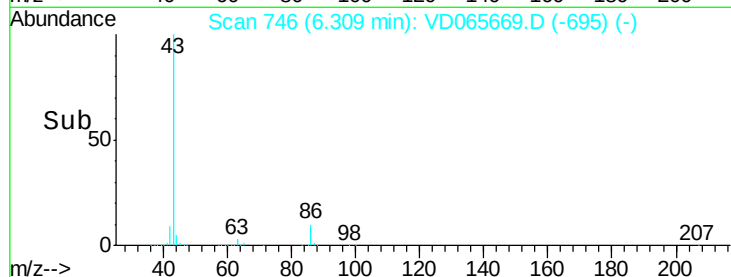
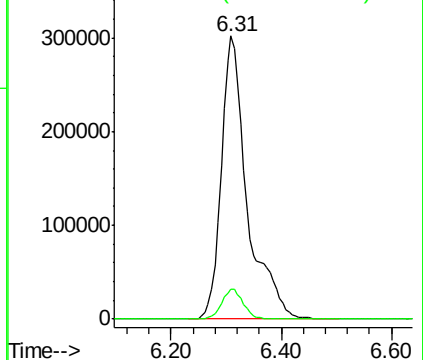
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 57.075 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

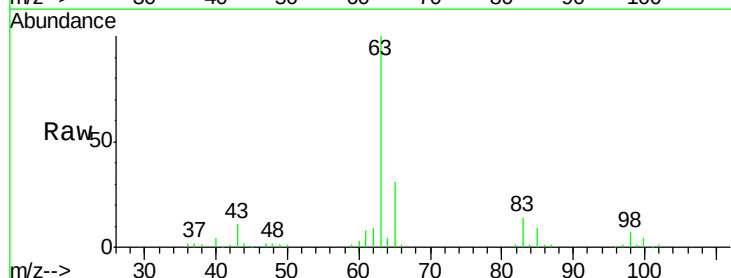
Tgt Ion: 63 Resp: 204668

Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.2

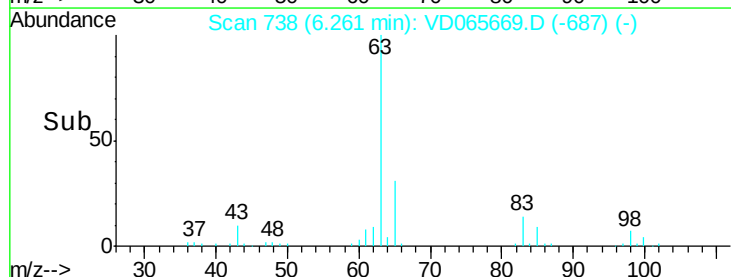
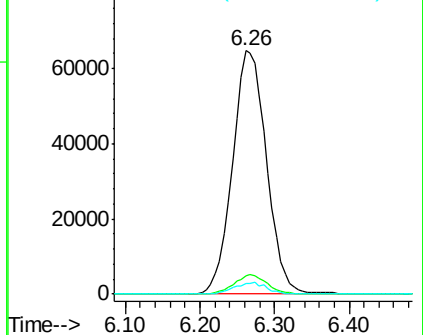
100 4.2 2.3 6.9

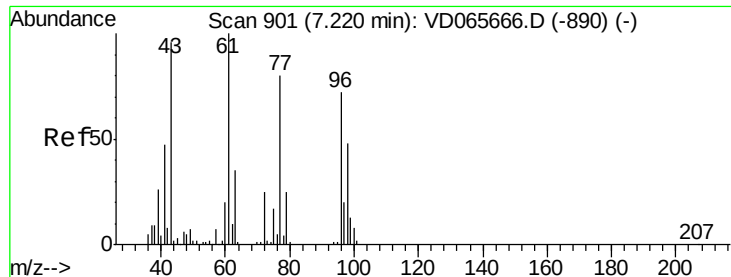


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 280.492 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

ICVVD042220

Tot Ion: 43 Resp: 147639

Ion Ratio Lower Upper

43 100

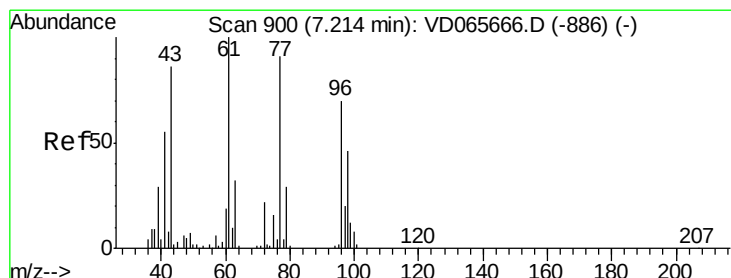
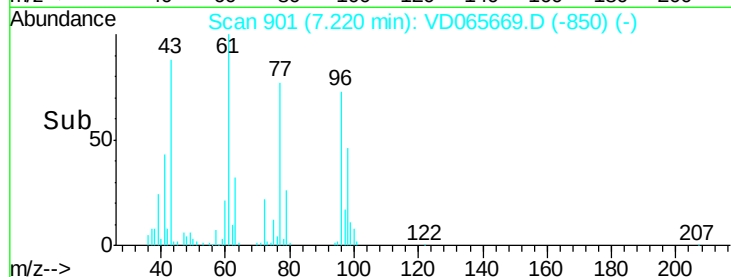
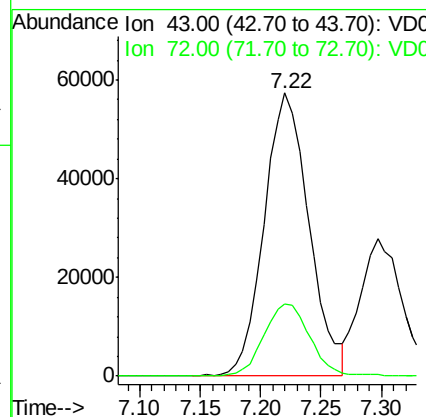
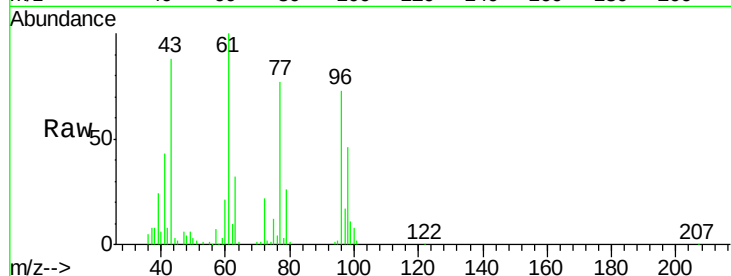
72 25.3 21.1 31.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.398 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065669.D

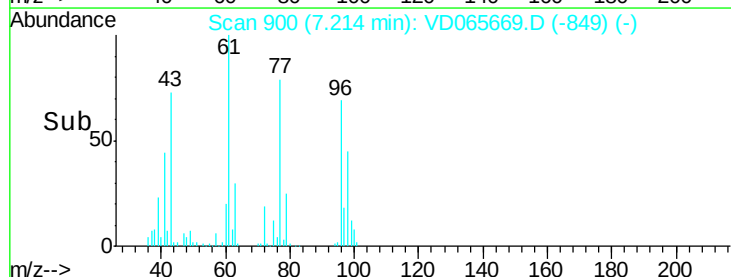
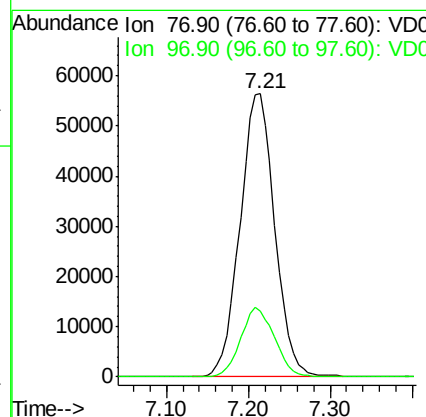
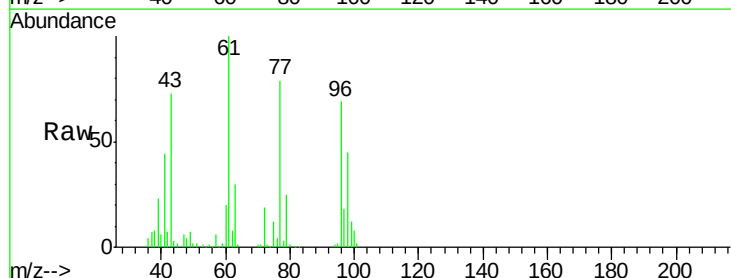
Acq: 22 Apr 2020 18:19

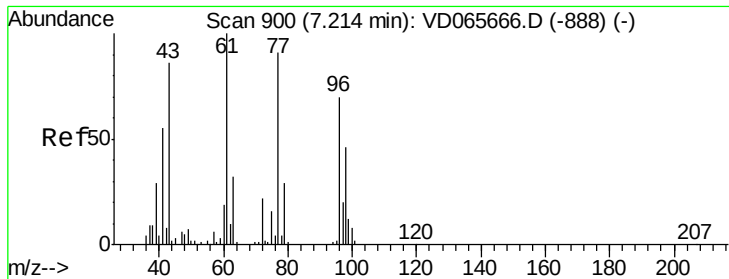
Tgt Ion: 77 Resp: 166350

Ion Ratio Lower Upper

77 100

97 23.9 11.5 34.4





#27

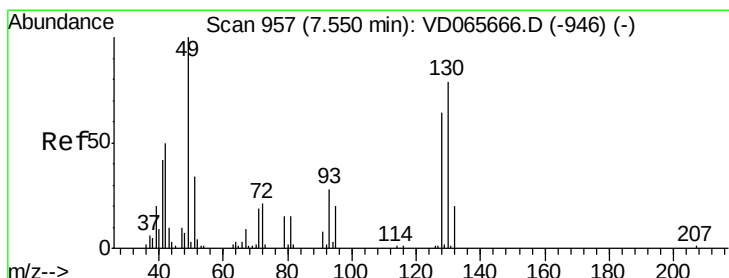
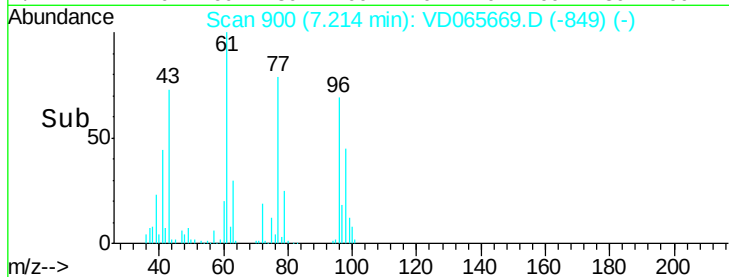
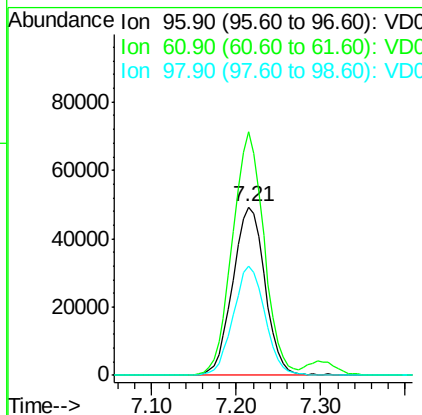
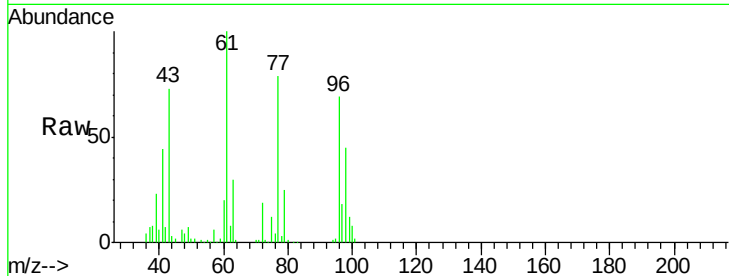
cis-1,2-Dichloroethene
 Concen: 57.928 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065669.D
 Acq: 22 Apr 2020 18:19

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD042220

Tot Ion	Ratio	Resp	Lower	Upper
96	100	130444		
61	141.2	0.0	290.4	
98	63.8	0.0	131.0	

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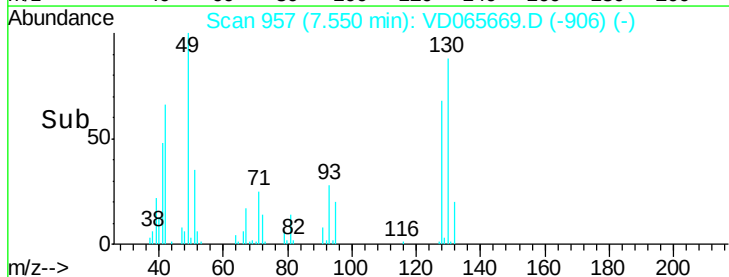
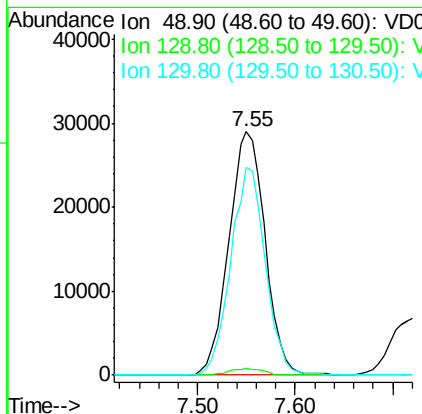
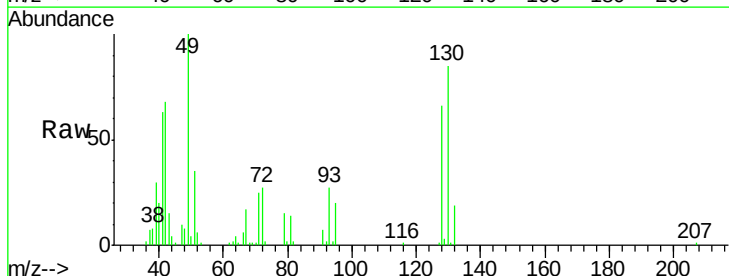
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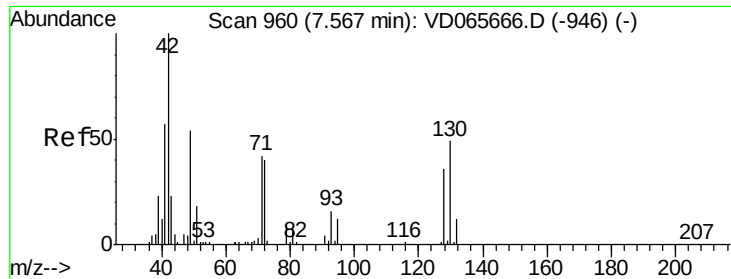


#28

Bromochloromethane
 Concen: 49.863 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065669.D
 Acq: 22 Apr 2020 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	74956		
129	2.4	0.0	5.0	
130	81.5	66.3	99.5	





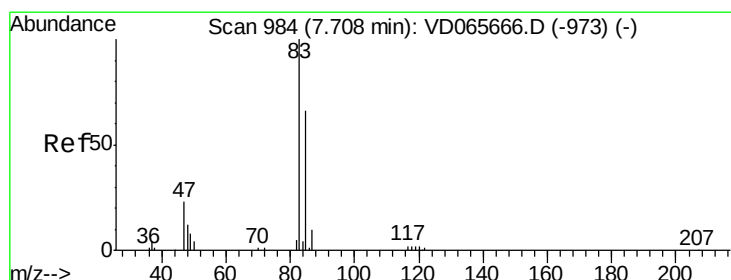
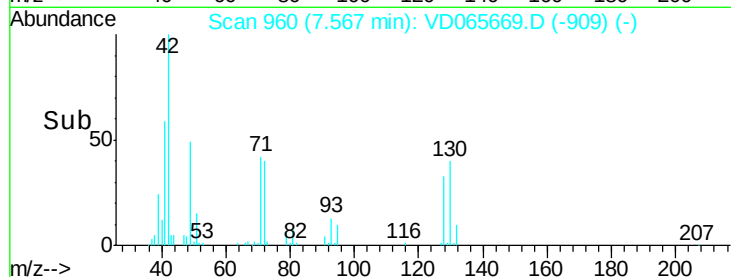
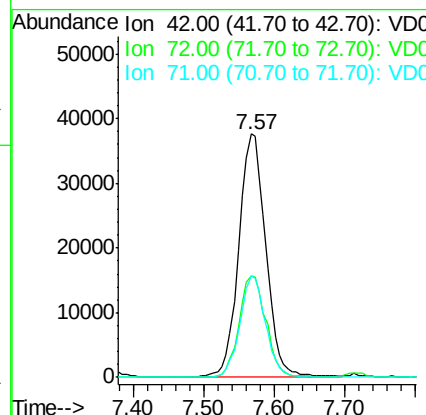
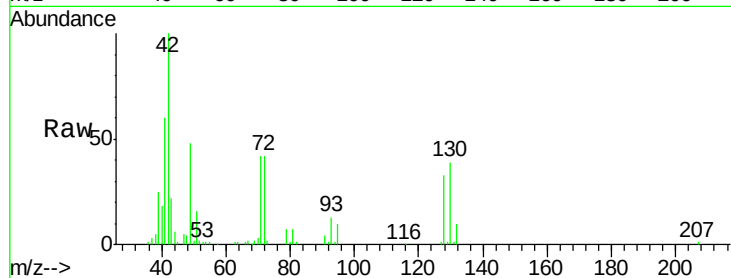
#29
Tetrahydrofuran
Concen: 299.776 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Instrument :
MSVOA_D
ClientSampleId :
ICVVD042220

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.8	50.6
71	39.0	30.7	46.1

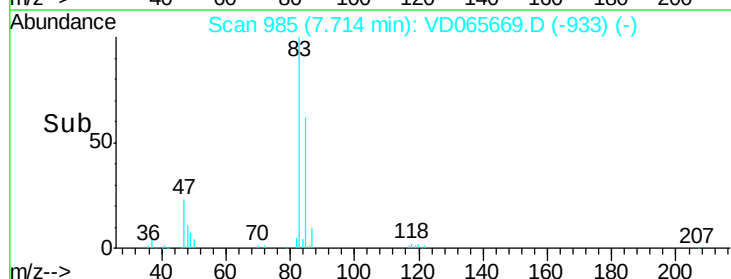
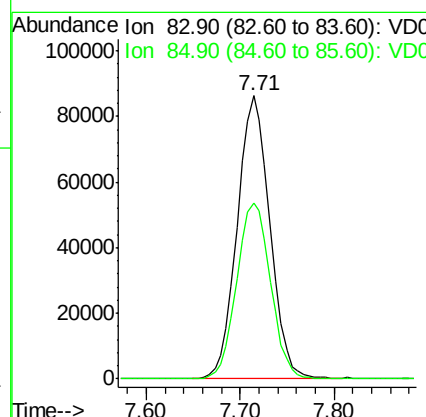
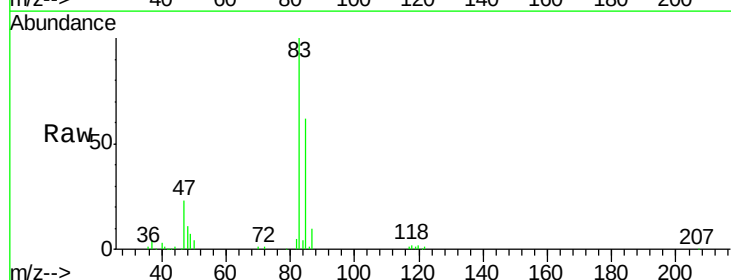
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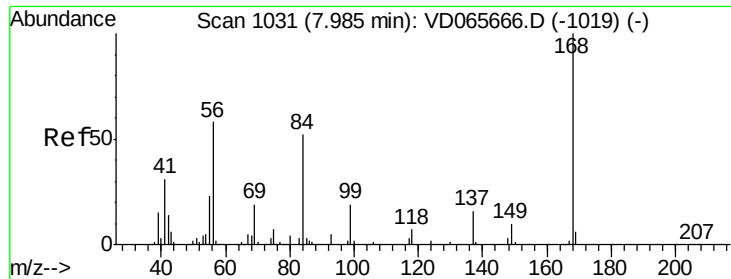
MMDadoda
4/23/2020 1:31:49 PM



#30
Chloroform
Concen: 54.684 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	52.5	78.7





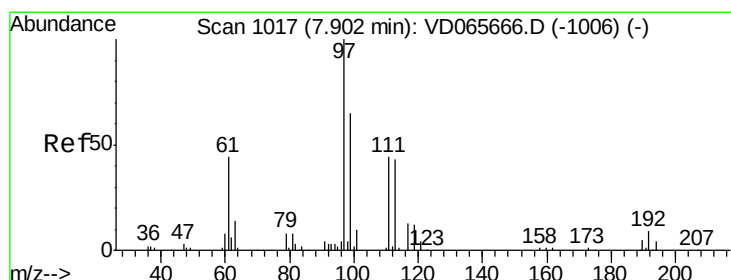
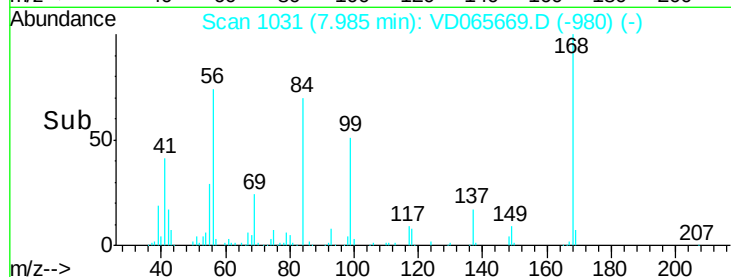
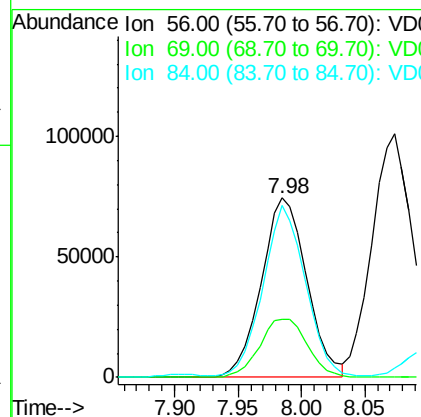
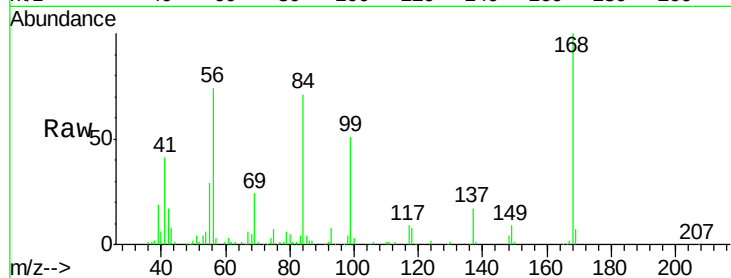
#31
Cyclohexane
Concen: 52.154 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Instrument :
MSVOA_D
ClientSampleId :
ICVVD042220

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	26.3	39.5
84	94.0	71.4	107.0

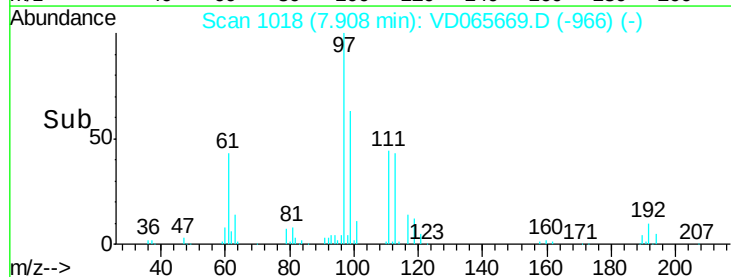
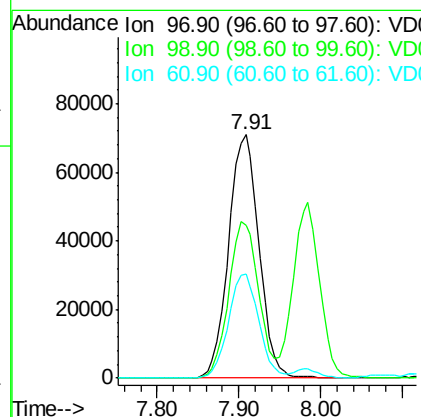
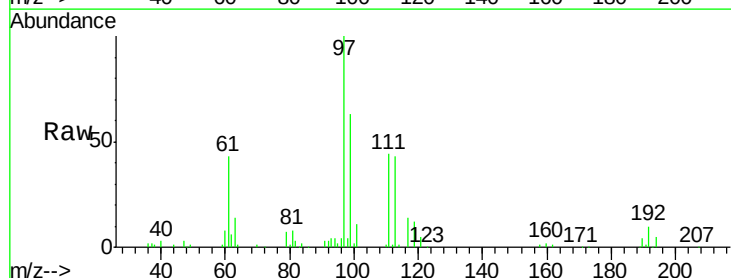
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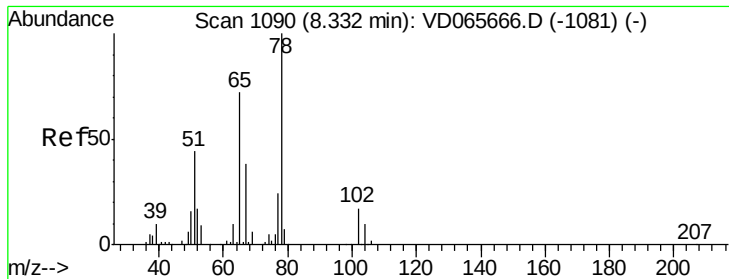
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 53.274 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.1	76.7
61	42.6	35.8	53.6





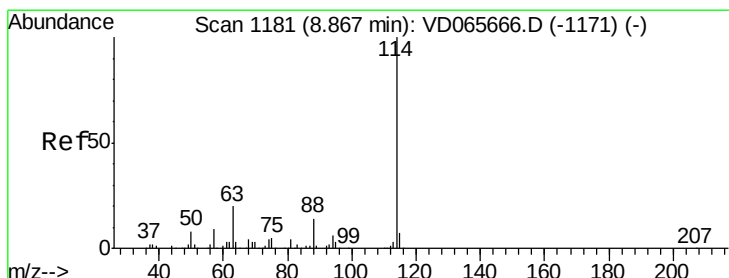
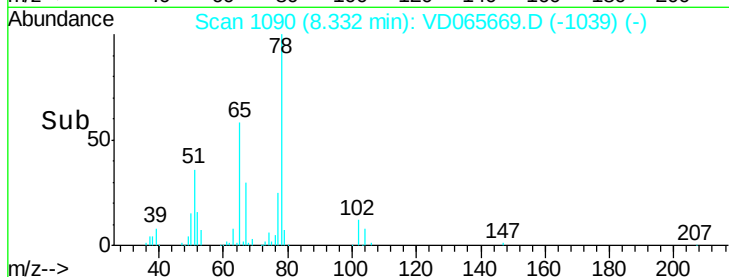
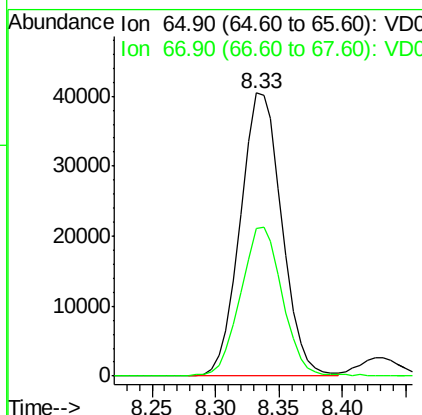
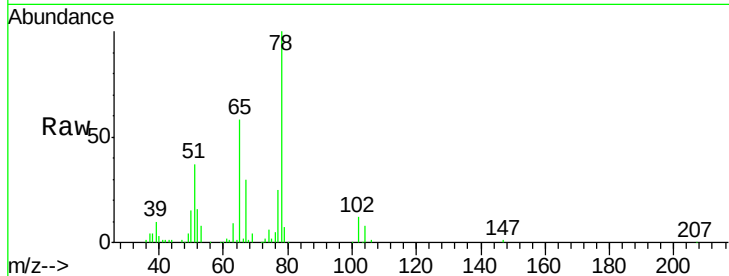
#33
 1,2-Dichloroethane-d4
 Concen: 47.363 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065669.D
 Acq: 22 Apr 2020 18:19

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD042220

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	107.0

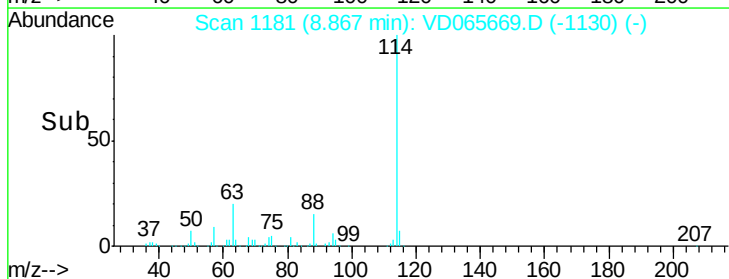
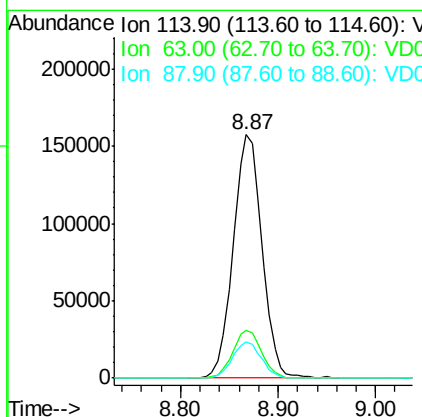
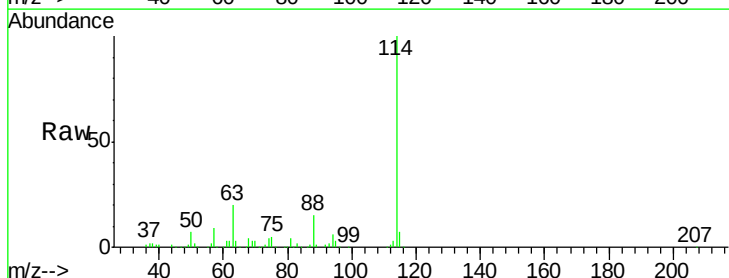
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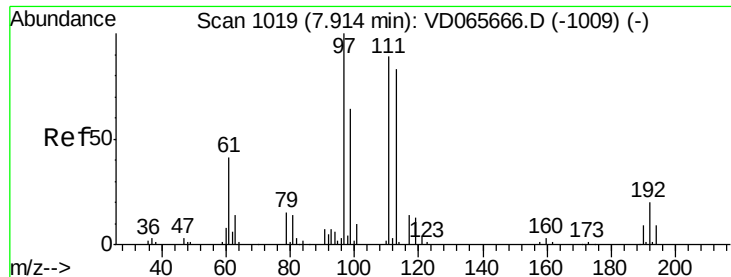
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065669.D
 Acq: 22 Apr 2020 18:19

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.2
88	15.1	0.0	28.4





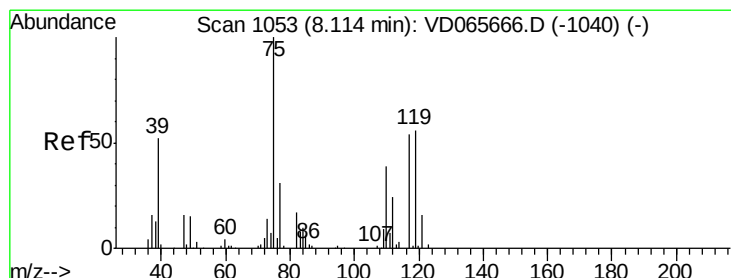
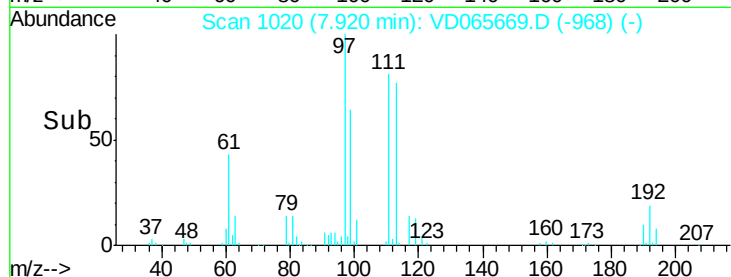
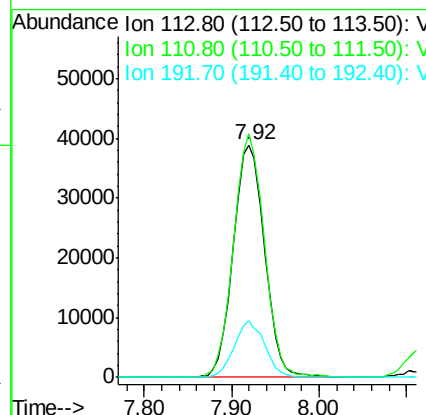
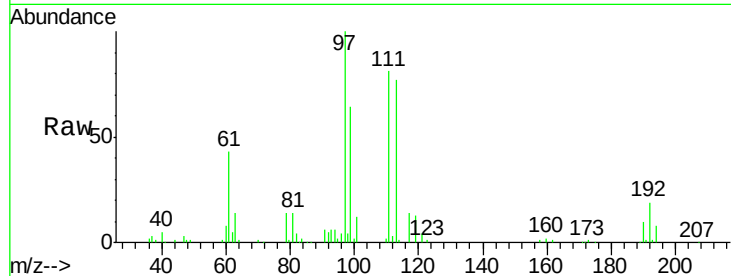
#35
Dibromofluoromethane
Concen: 46.070 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Instrument :
MSVOA_D
ClientSampleId :
ICVVD042220

Tot Ion	Ratio	Resp	Lower	Upper
113	100	94632		
111	102.8	83.2	124.8	
192	23.5	18.6	28.0	

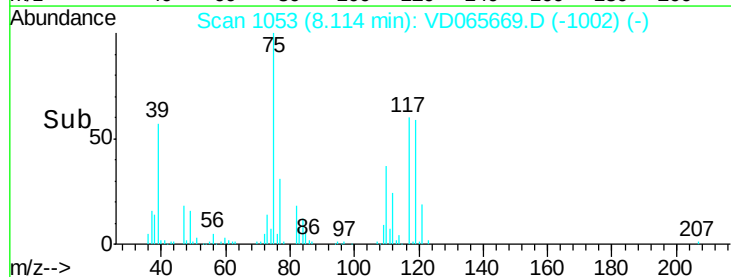
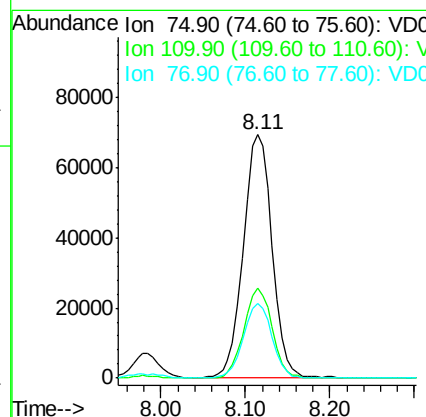
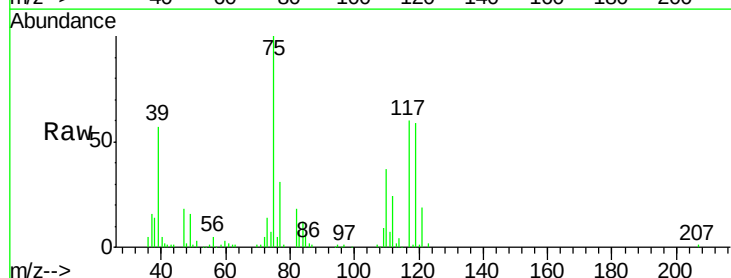
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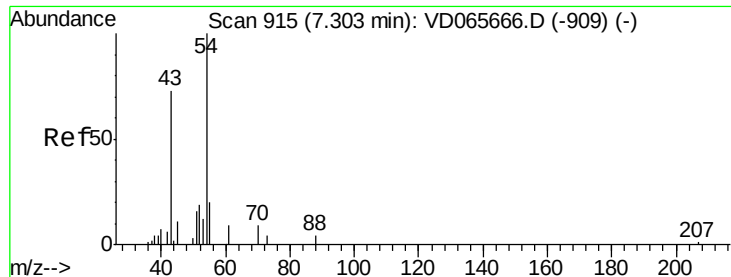
MMDadoda
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#36
1,1-Dichloropropene
Concen: 53.208 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	164236		
110	36.1	18.4	55.0	
77	30.6	25.3	37.9	





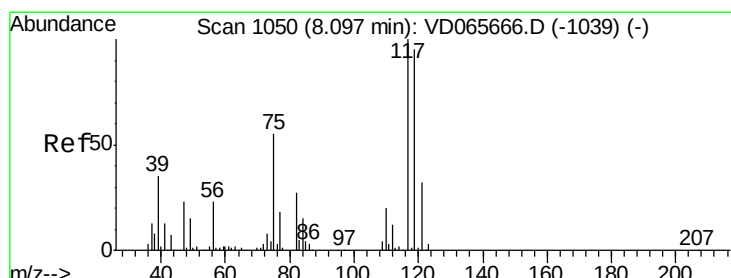
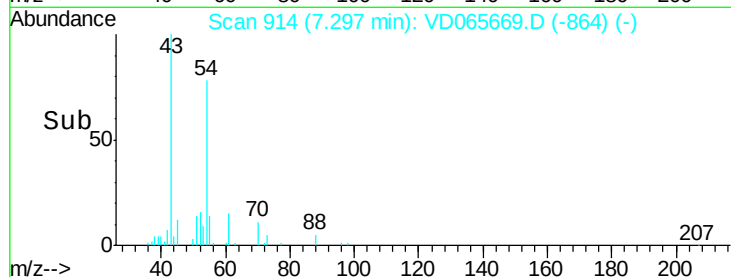
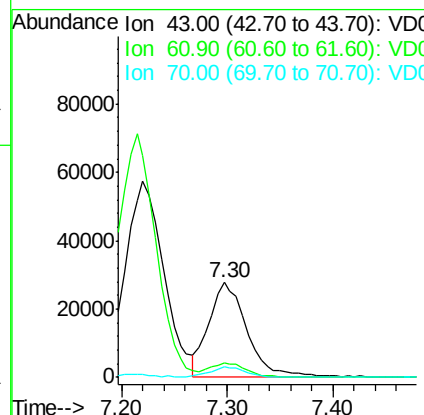
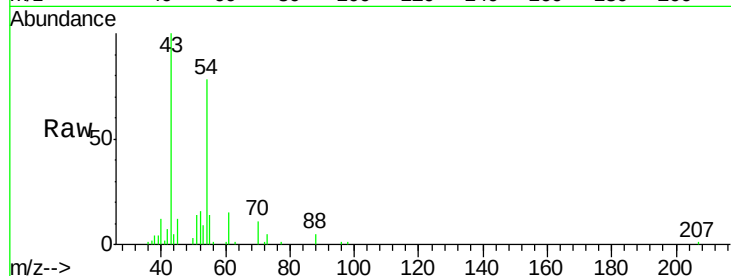
#37
Ethyl Acetate
Concen: 53.075 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Instrument :
MSVOA_D
ClientSampleId :
ICVVD042220

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.1	18.1
70	10.3	7.8	11.8

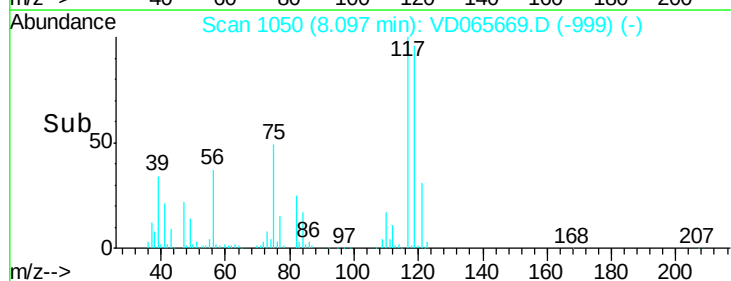
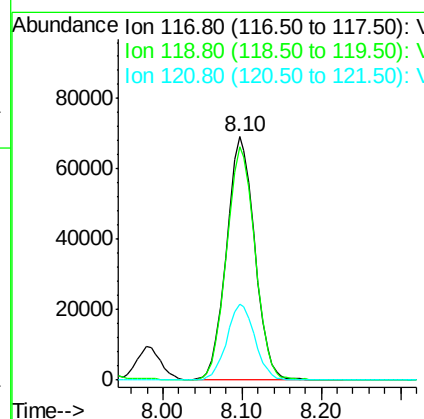
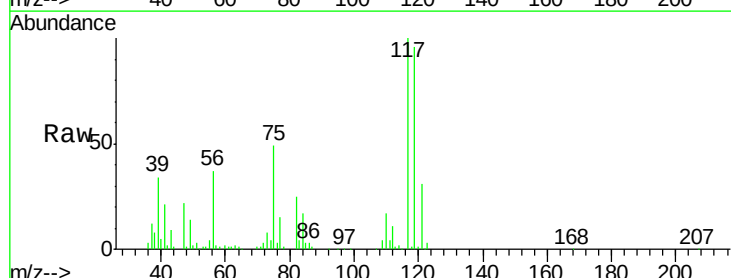
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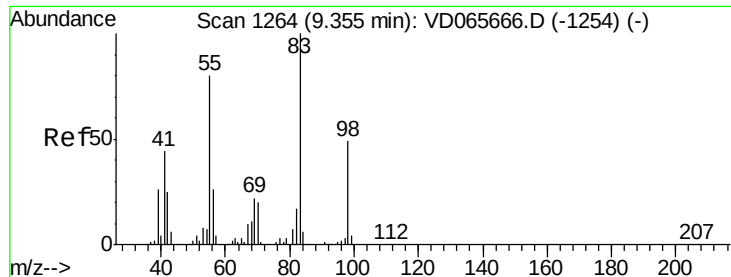
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#38
Carbon Tetrachloride
Concen: 51.124 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.7	113.5
121	31.2	25.8	38.6





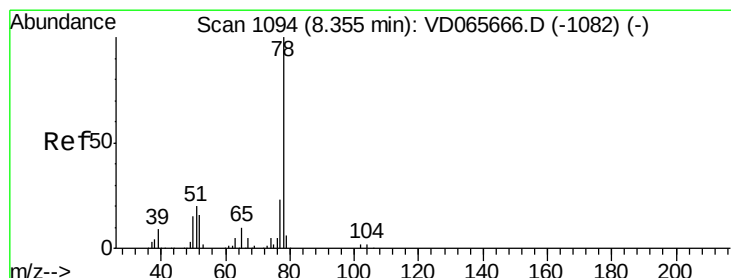
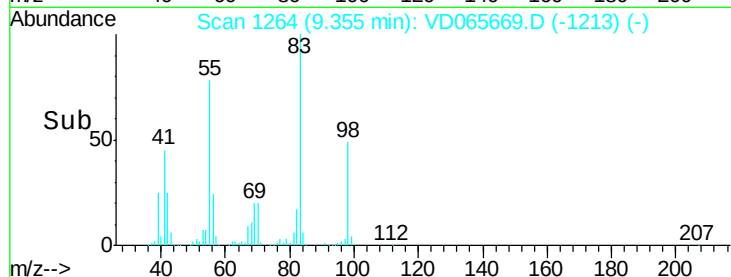
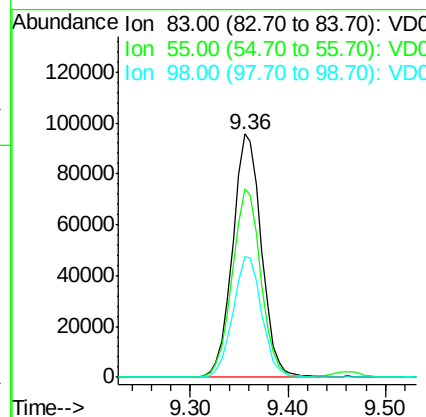
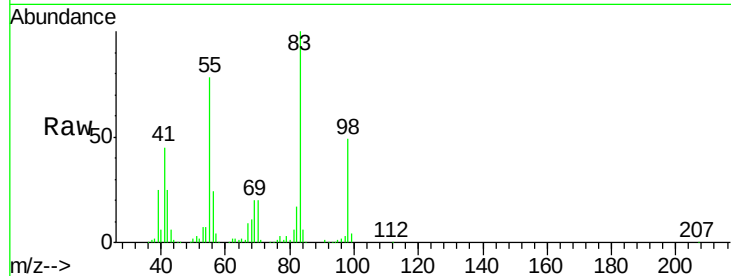
#39
Methylvlcyclohexane
Concen: 55.410 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Instrument :
MSVOA_D
ClientSampleId :
ICVVD042220

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	64.0	96.0
98	49.4	39.2	58.8

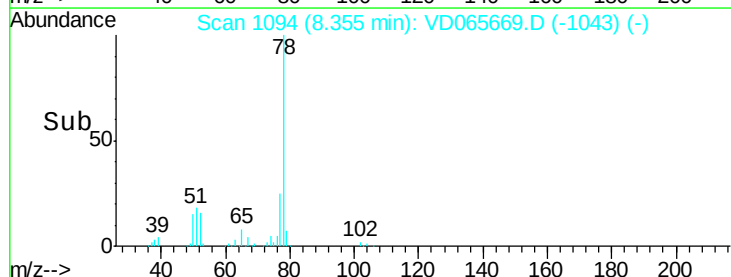
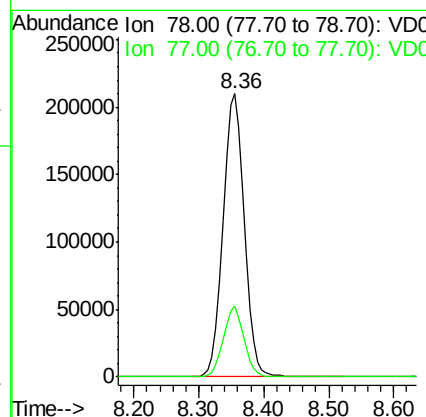
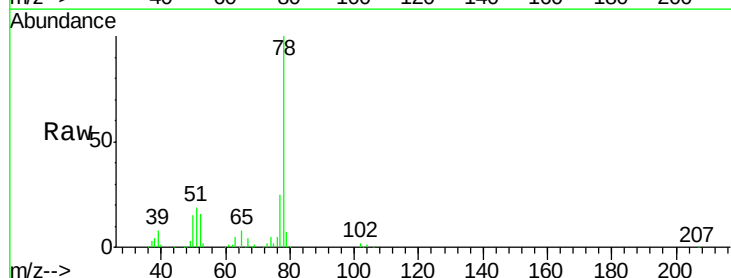
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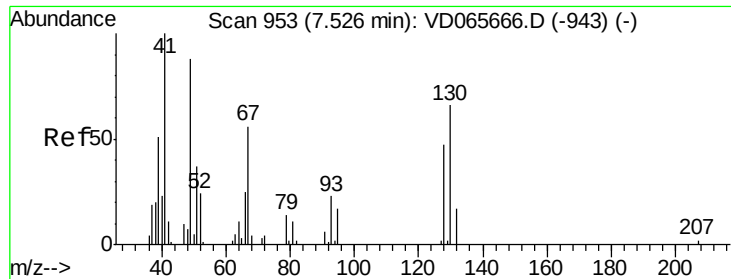
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#40
Benzene
Concen: 54.485 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.7	28.1





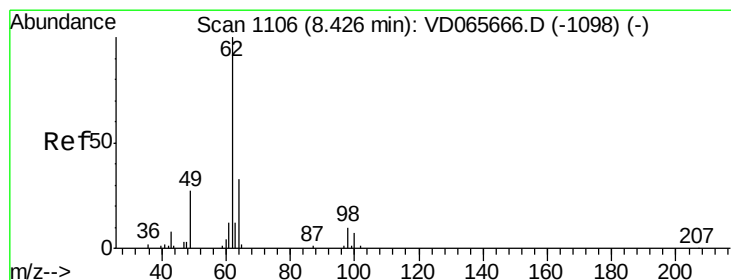
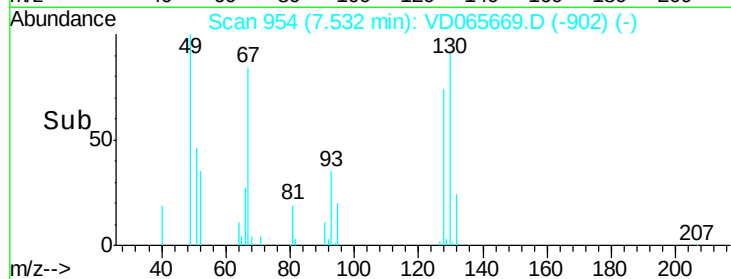
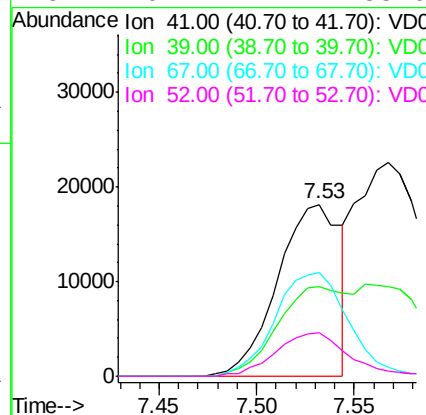
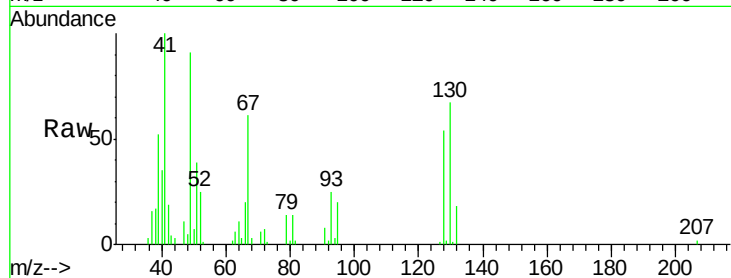
#41
Methacrylonitrile
Concen: 59.005 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Instrument :
MSVOA_D
ClientSampleId :
ICVVD042220

Tot Ion	41	Resp	40795
Ion Ratio	Lower	Upper	
41	100		
39	60.7	43.8	65.6
67	69.8	54.4	81.6
52	29.1	22.4	33.6

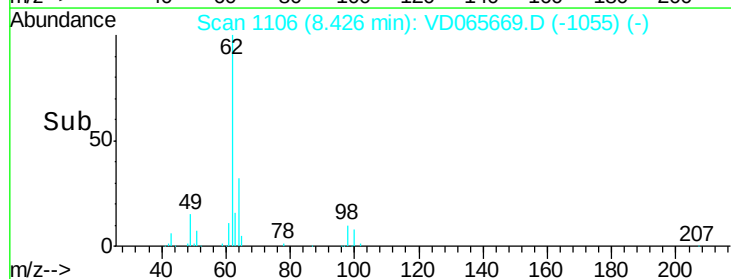
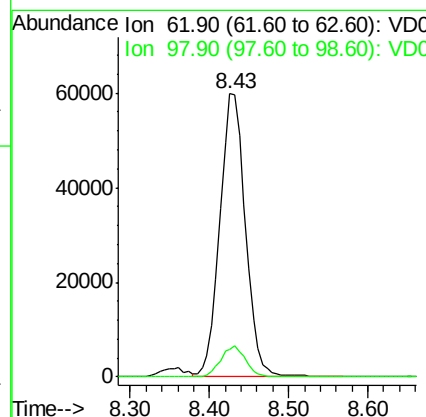
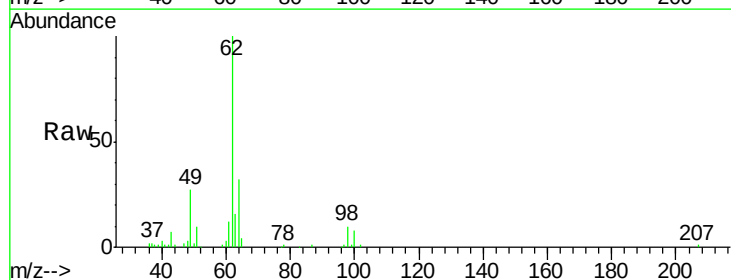
Manual Integrations
APPROVED

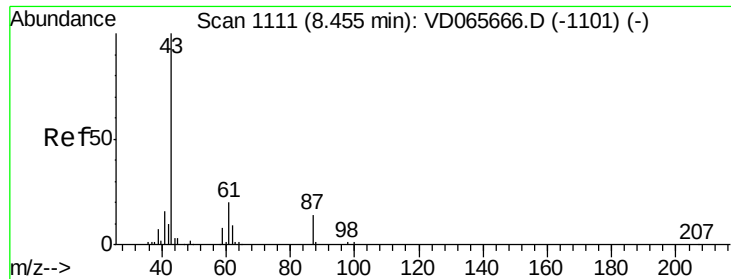
MMDadoda
4/23/2020 1:31:49 PM



#42
1,2-Dichloroethane
Concen: 54.465 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Tgt Ion	62	Resp	134302
Ion Ratio	Lower	Upper	
62	100		
98	10.3	0.0	20.2





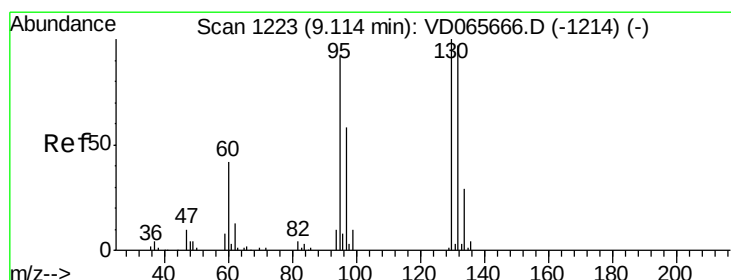
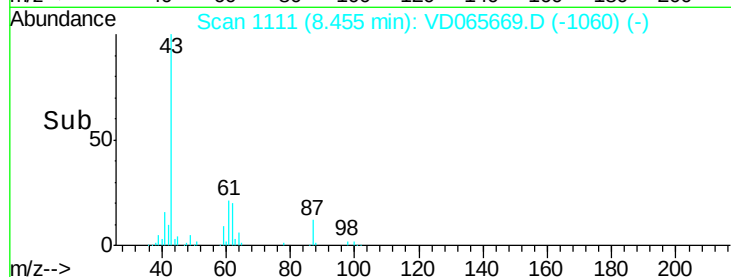
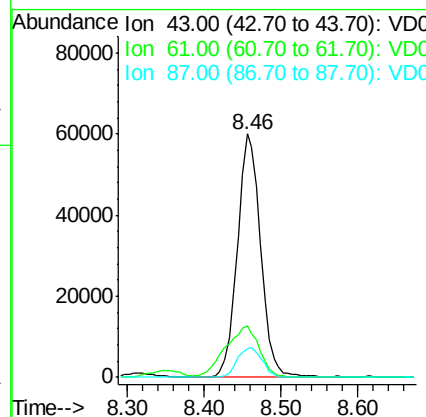
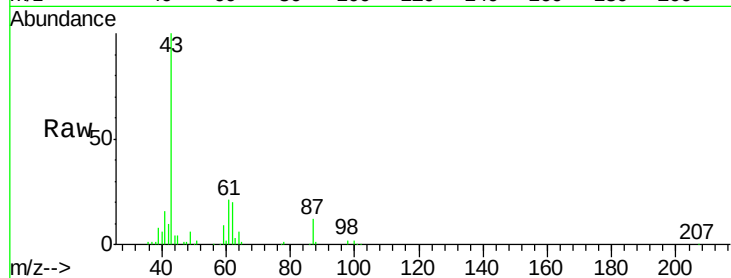
#43
Isopropyl Acetate
Concen: 55.908 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Instrument :
MSVOA_D
ClientSampleId :
ICVVD042220

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.2	24.7	37.1
87	12.8	10.6	16.0

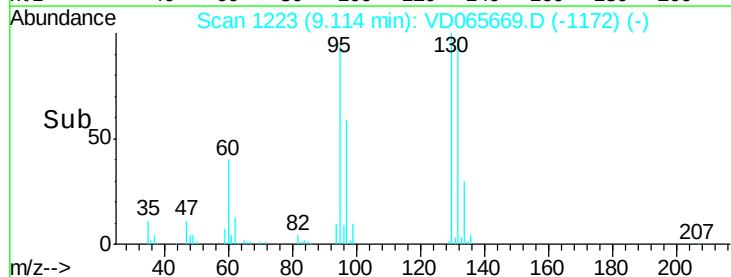
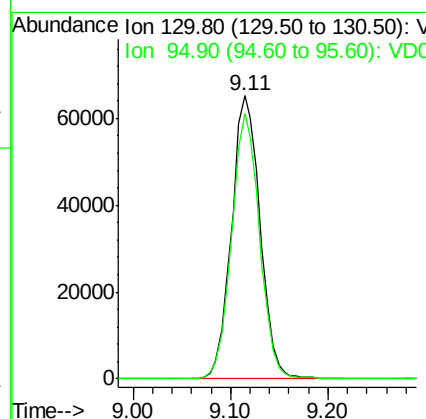
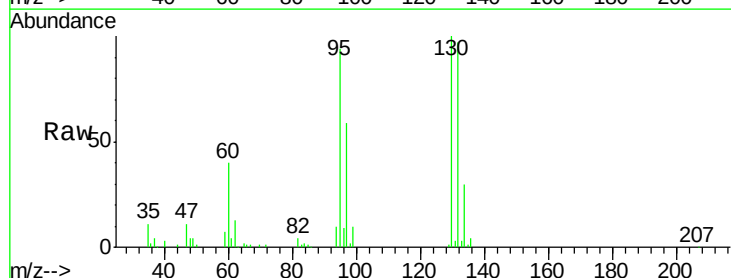
Manual Integrations
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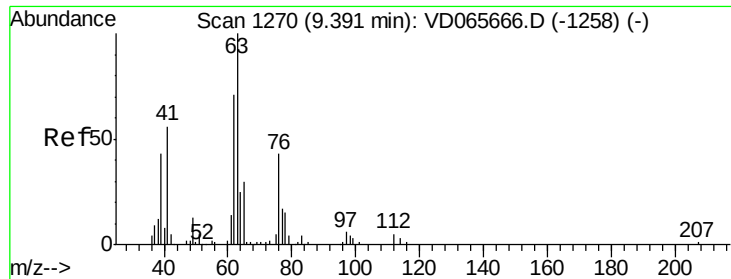
MMDadoda
4/23/2020 1:31:49 PM



#44
Trichloroethene
Concen: 53.301 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	183.2





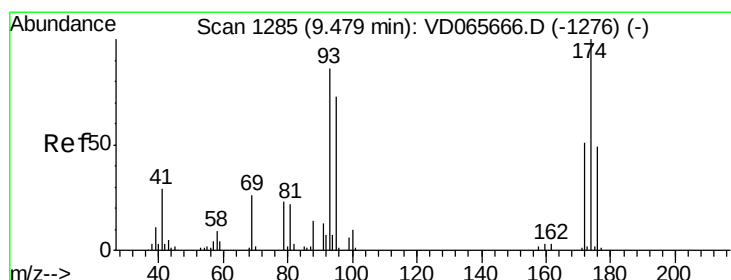
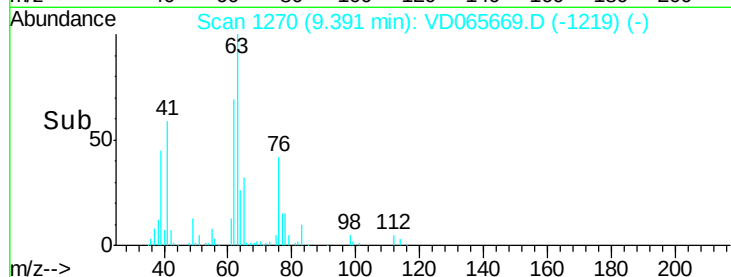
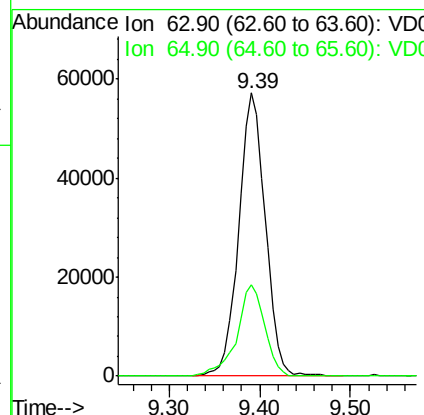
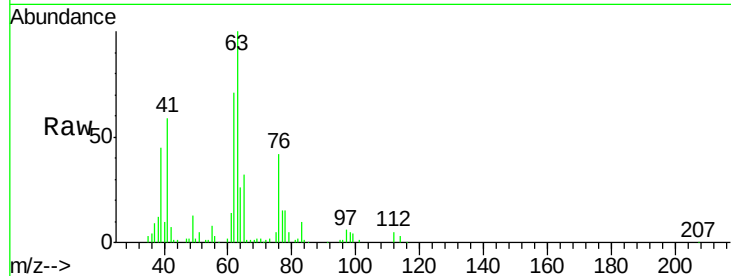
#45
 1,2-Dichloropropane
 Concen: 54.631 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065669.D
 Acq: 22 Apr 2020 18:19

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD042220

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
65	32.3		24.2	36.4

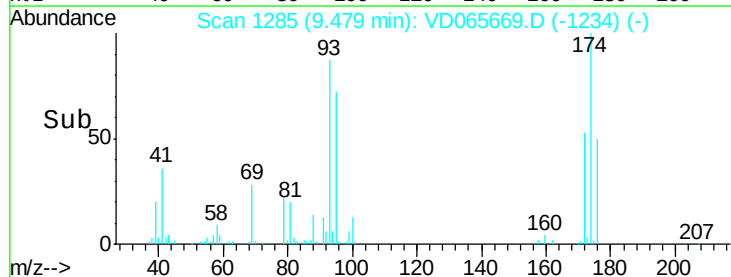
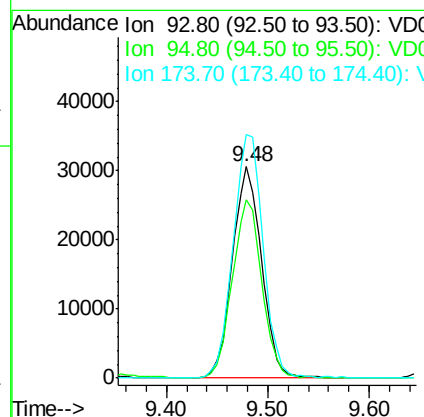
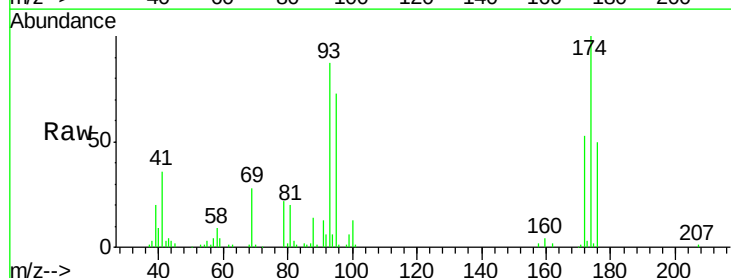
Manual Integrations
 APPROVED

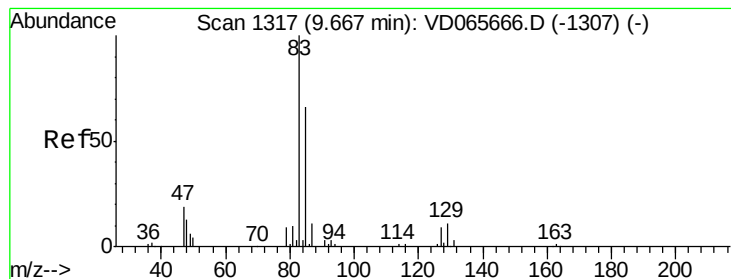
MMDadoda
 4/23/2020 1:31:49 PM



#46
 Dibromomethane
 Concen: 53.949 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065669.D
 Acq: 22 Apr 2020 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	84.8		66.4	99.6
174	118.1		93.0	139.6





#47

Bromodichloromethane

Concen: 53.303 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

Instrument :

MSVOA_D

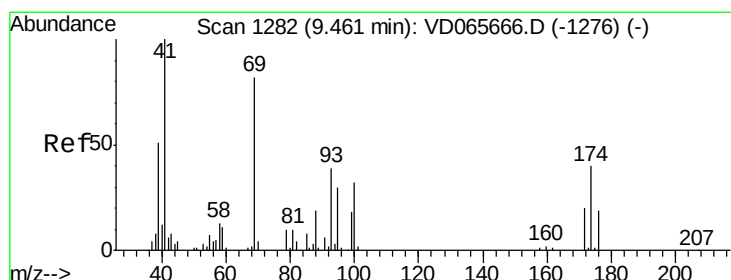
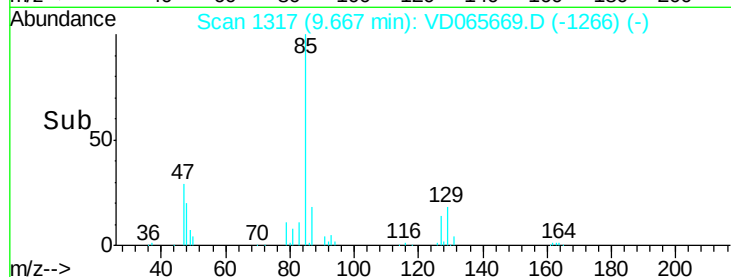
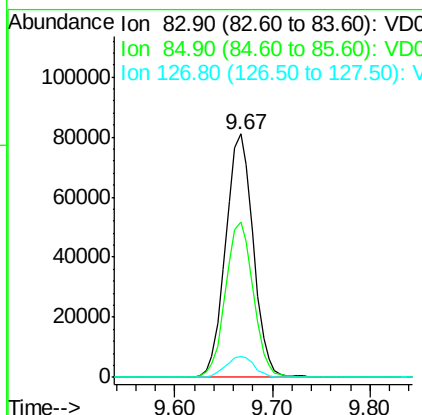
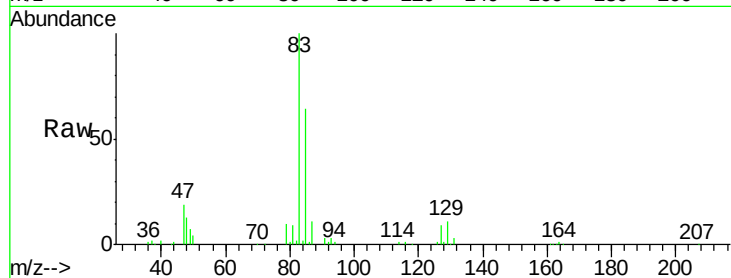
ClientSampleId :

ICVVD042220

Tot Ion:	83	Resp:	159677
Ion	Ratio	Lower	Upper
83	100		
85	63.5	53.2	79.8
127	8.6	7.3	10.9

Manual Integrations
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MMDadoda
4/23/2020 1:31:49 PM



#48

Methyl methacrylate

Concen: 58.172 ug/l

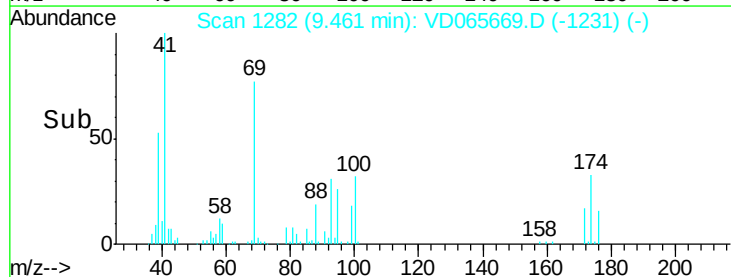
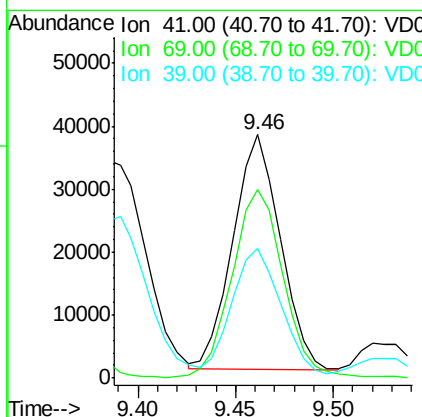
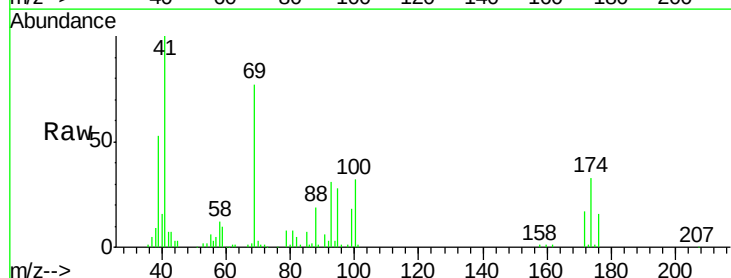
RT: 9.46 min Scan# 1282

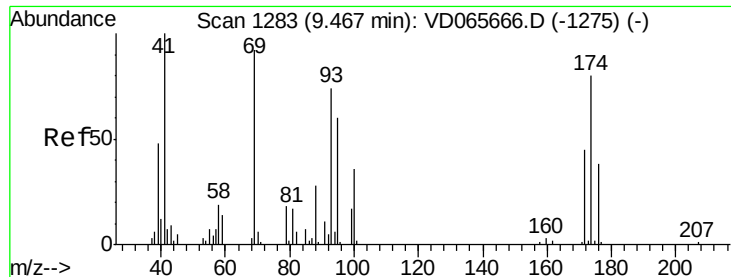
Delta R.T. 0.00 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

Tgt Ion:	41	Resp:	62996
Ion	Ratio	Lower	Upper
41	100		
69	87.2	69.5	104.3
39	53.6	41.6	62.4





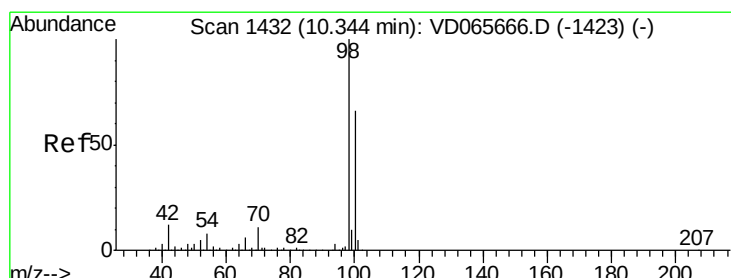
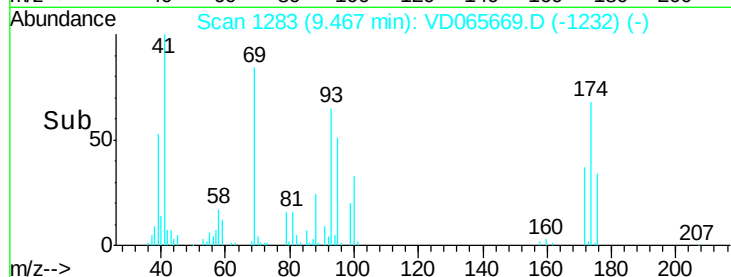
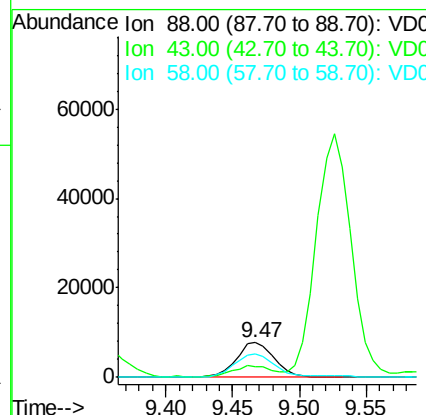
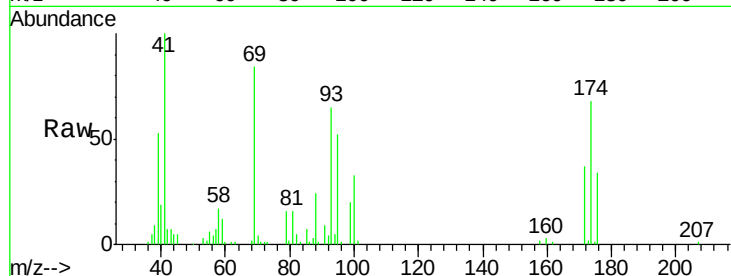
#49
1,4-Dioxane
Concen: 1170.670 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Instrument :
MSVOA_D
ClientSampleId :
ICVVD042220

Tot Ion	88	Resp	15402
Ion	Ratio	Lower	Upper
88	100		
43	33.7	31.3	46.9
58	71.3	58.0	87.0

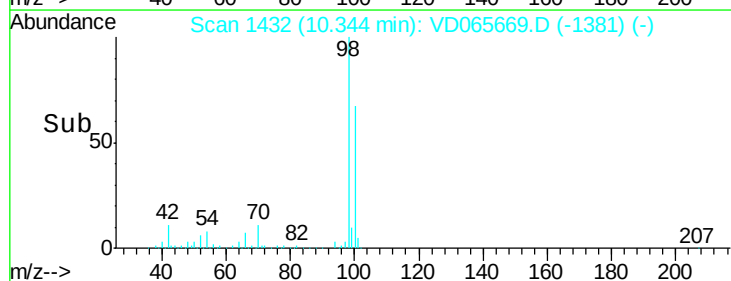
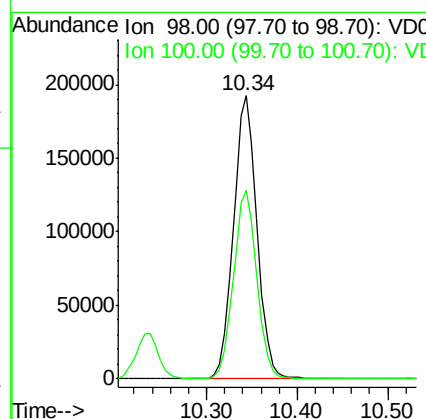
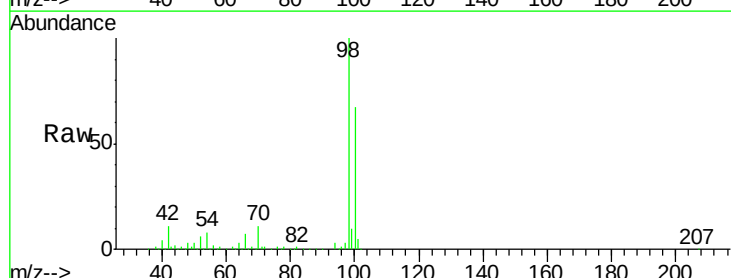
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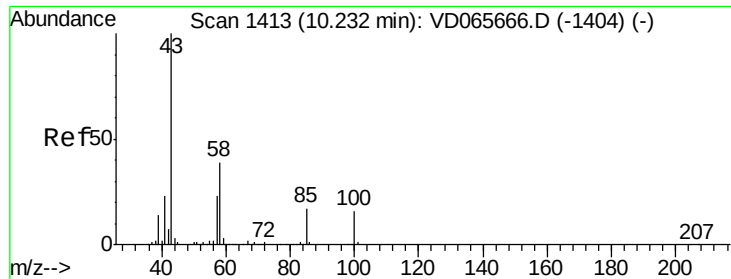
MMDadoda
4/23/2020 1:31:49 PM



#50
Toluene-d8
Concen: 46.277 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Tgt Ion	98	Resp	347087
Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.8	79.2





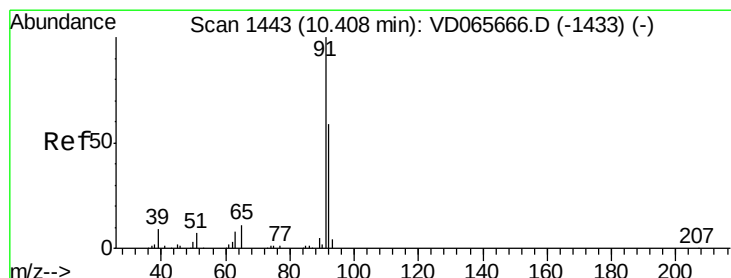
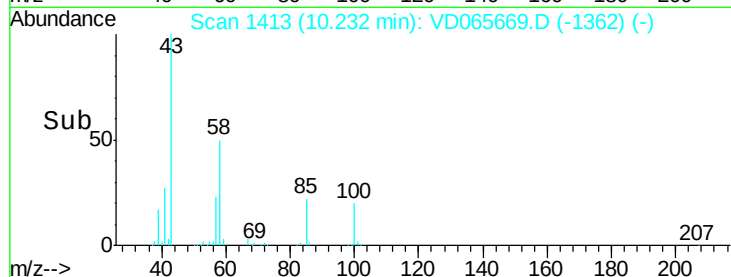
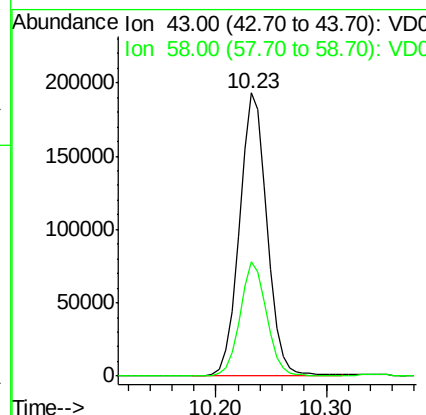
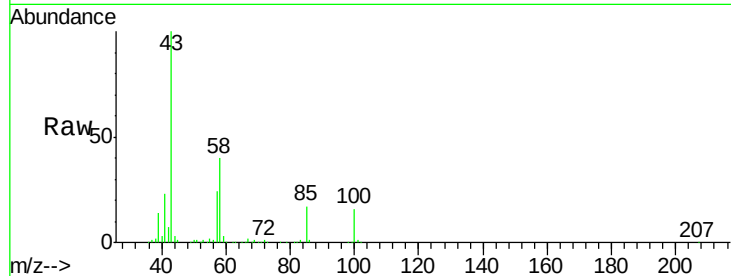
#51
4-Methyl-2-Pentanone
Concen: 287.760 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Instrument :
MSVOA_D
ClientSampleId :
ICVVD042220

Tot Ion	43	Resp	338385
Ion Ratio	100	Lower	Upper
58	38.8	31.1	46.7

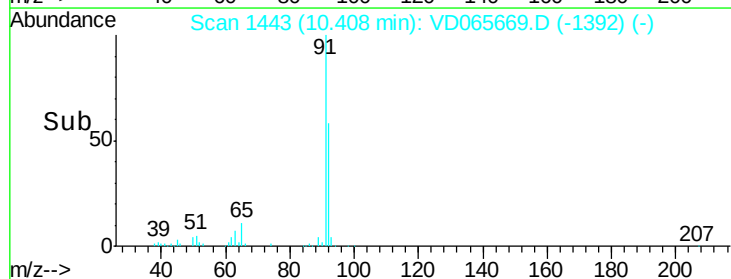
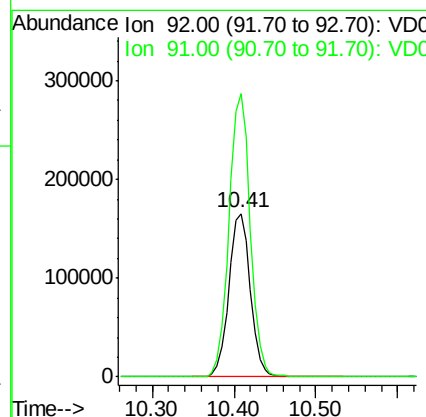
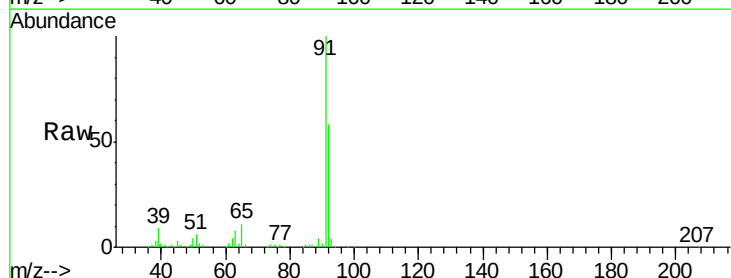
Manual Integrations
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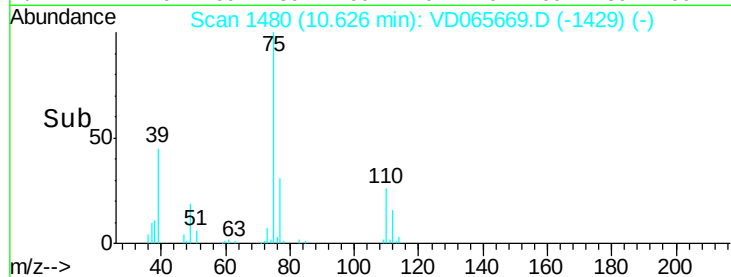
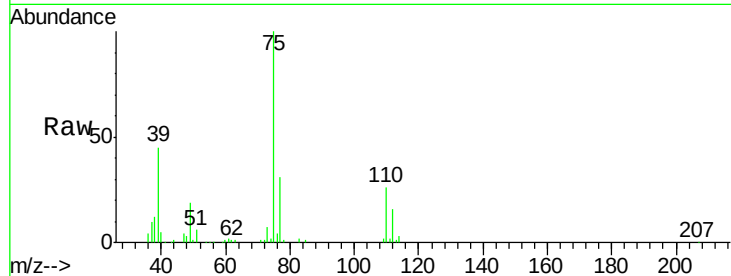
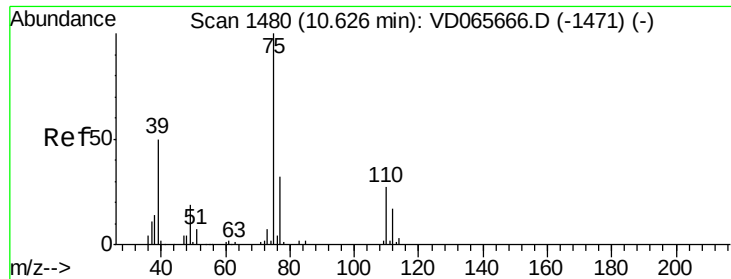
MMDadoda
4/23/2020 1:31:49 PM



#52
Toluene
Concen: 54.972 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Tgt Ion	92	Resp	302104
Ion Ratio	100	Lower	Upper
91	171.8	135.9	203.9





#53

t-1,3-Dichloropropene

Concen: 55.762 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

Tot Ion: 75 Resp: 151752

Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.8

Instrument :

MSVOA_D

ClientSampleId :

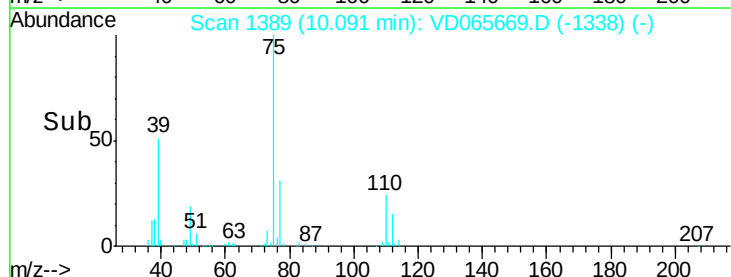
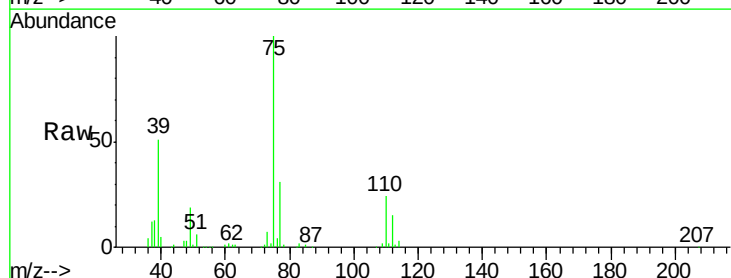
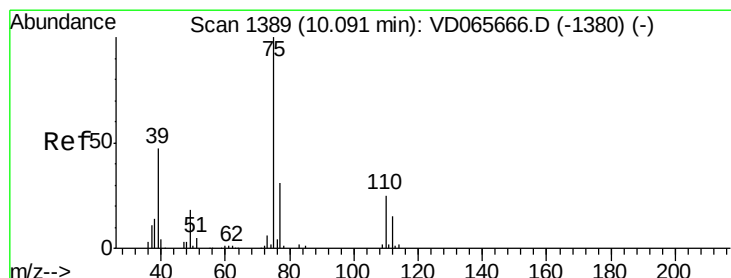
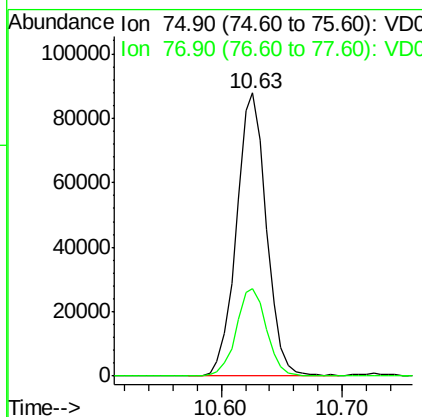
ICVVD042220

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 53.316 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

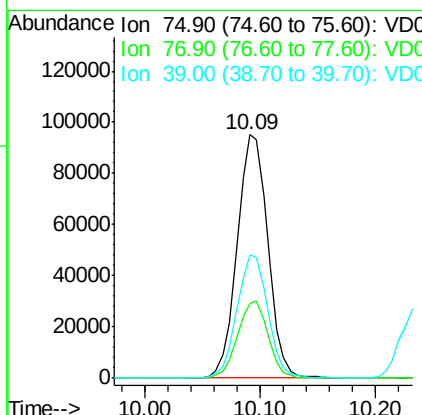
Tgt Ion: 75 Resp: 175299

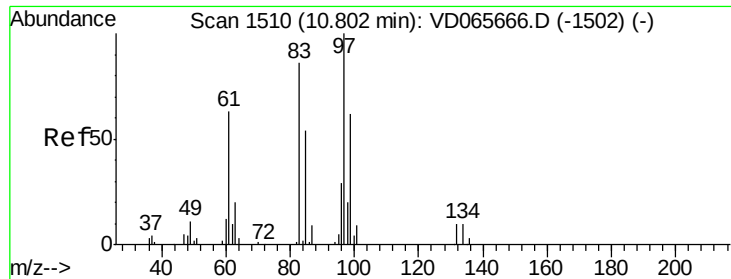
Ion Ratio Lower Upper

75 100

77 30.9 25.2 37.8

39 50.9 37.9 56.9





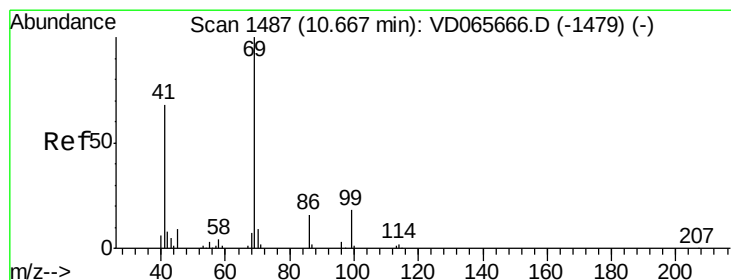
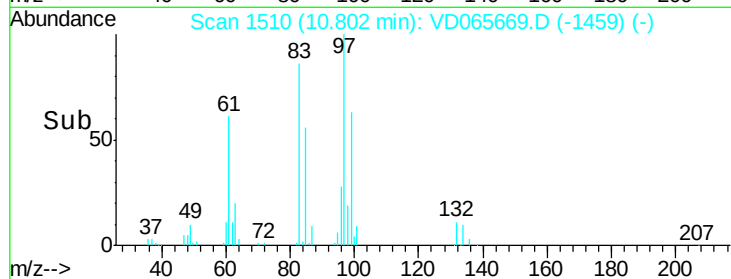
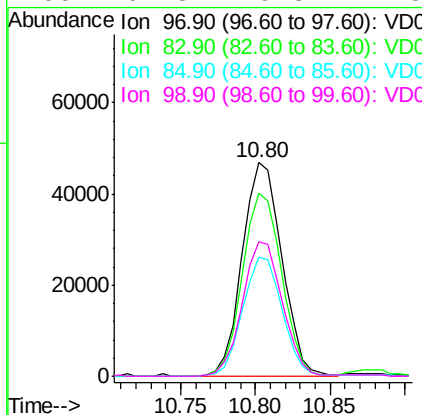
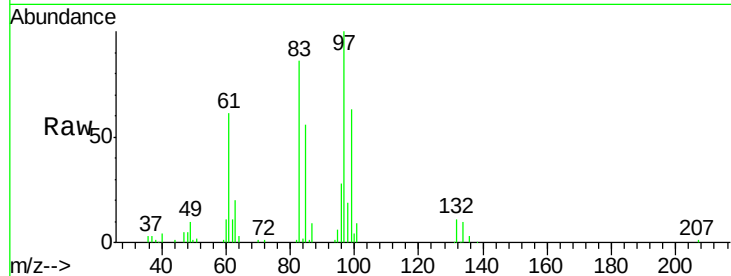
#55
 1,1,2-Trichloroethane
 Concen: 53.727 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065669.D
 Acq: 22 Apr 2020 18:19

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD042220

Tot Ion	Ratio	Resp	Lower	Upper
97	100	86215		
83	85.8	68.5	102.7	
85	55.5	43.0	64.6	
99	62.8	49.8	74.8	

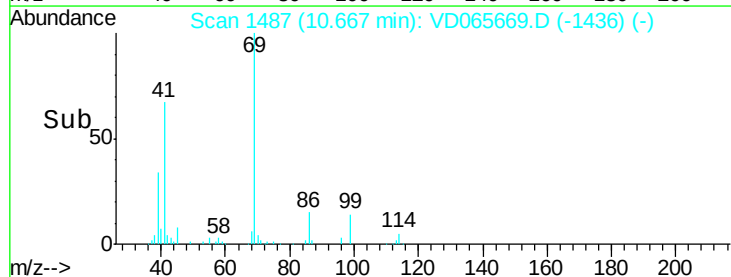
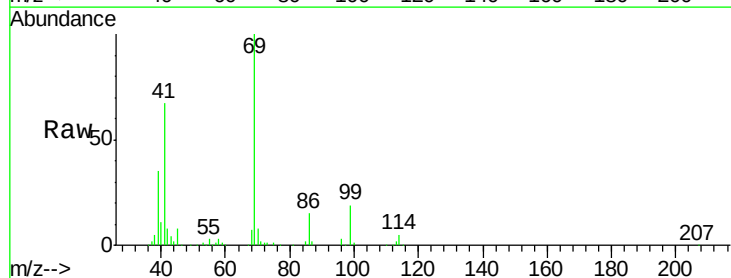
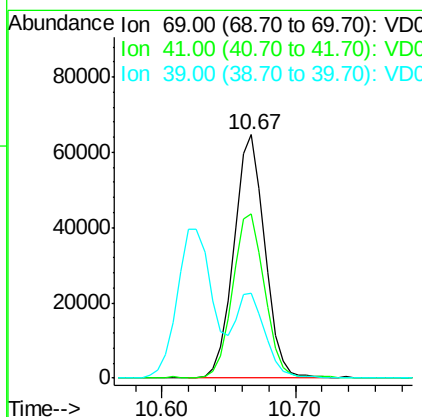
Manual Integrations
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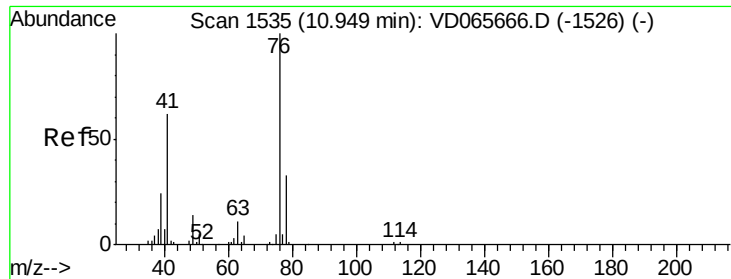
MMDadoda
 4/23/2020 1:31:49 PM



#56
 Ethyl methacrylate
 Concen: 52.990 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065669.D
 Acq: 22 Apr 2020 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	104039		
41	68.4	58.3	87.5	
39	32.1	29.5	44.3	





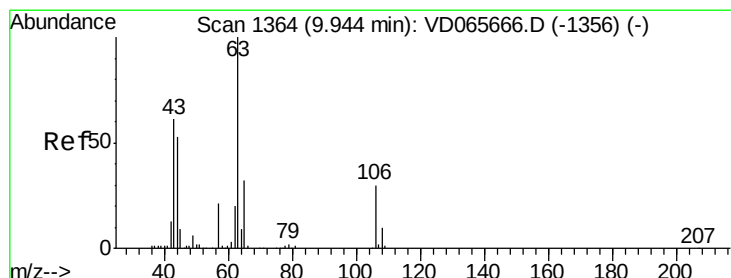
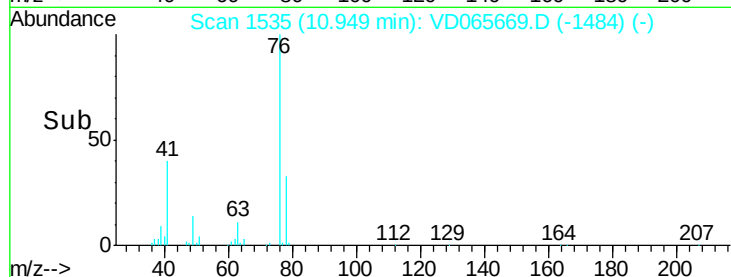
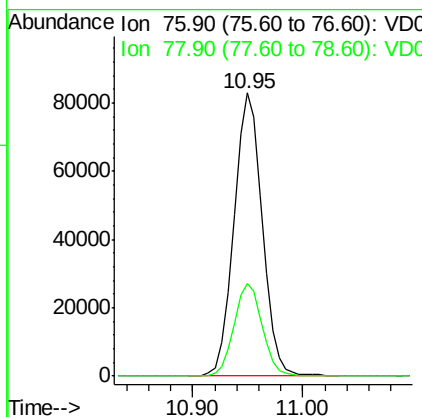
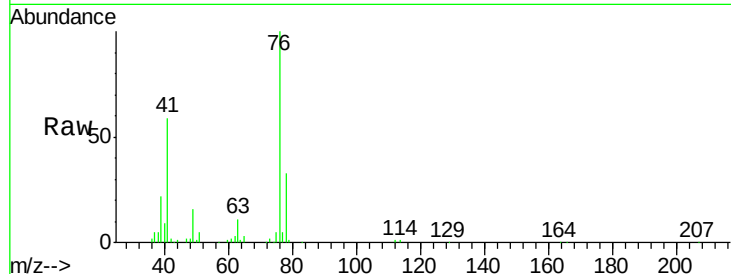
#57
 1,3-Dichloropropane
 Concen: 55.169 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065669.D
 Acq: 22 Apr 2020 18:19

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD042220

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.9	38.9

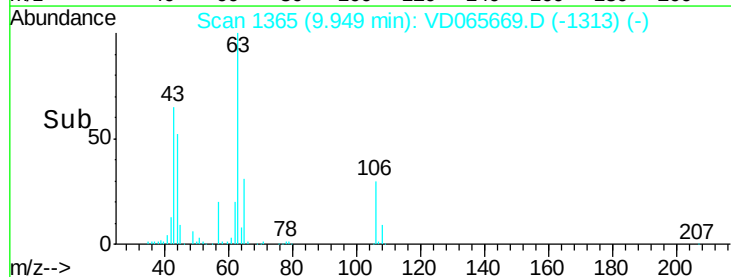
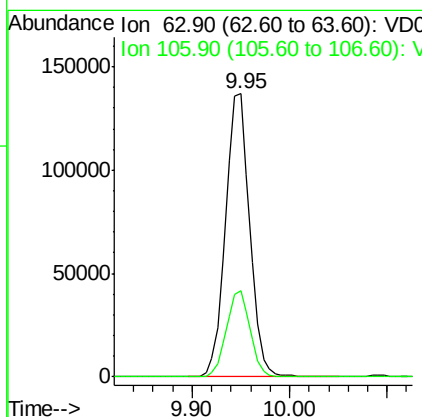
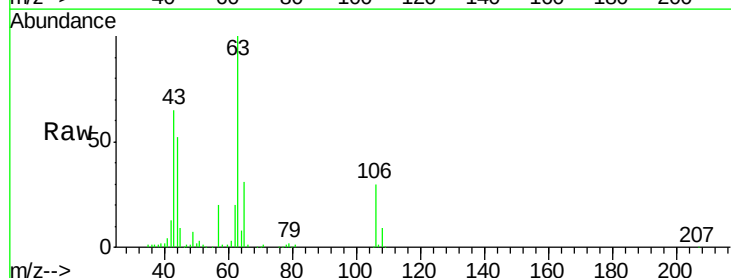
Manual Integrations
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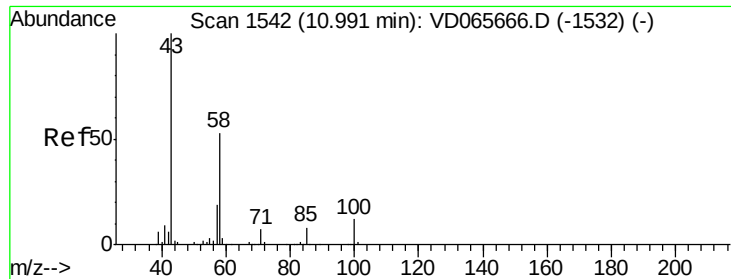
MMDadoda
 4/23/2020 1:31:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 239.156 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD065669.D
 Acq: 22 Apr 2020 18:19

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.8	23.7	35.5





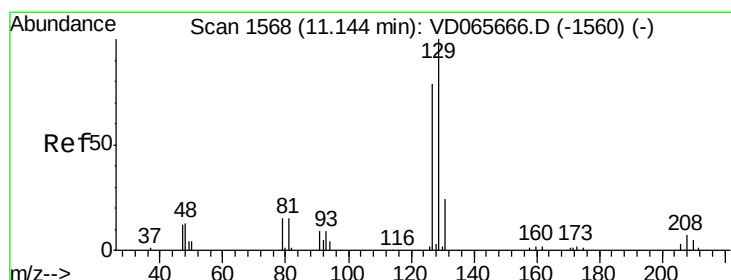
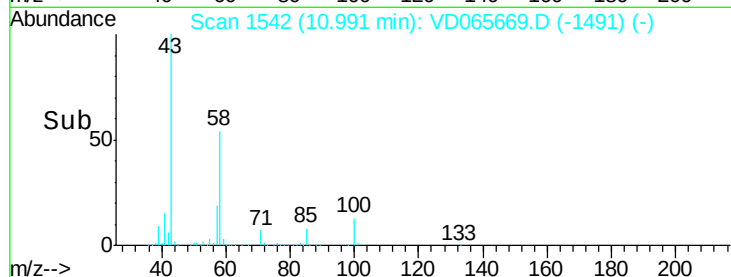
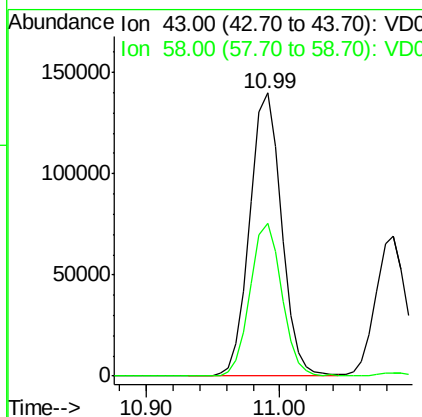
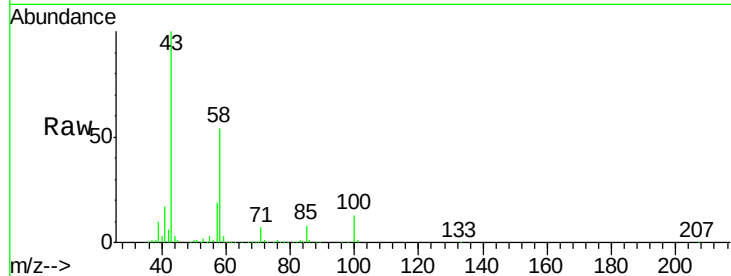
#59
2-Hexanone
Concen: 289.527 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Instrument :
MSVOA_D
ClientSampleId :
ICVVD042220

Tot Ion: 43 Resp: 230679
Ion Ratio Lower Upper
43 100
58 53.9 26.3 78.9

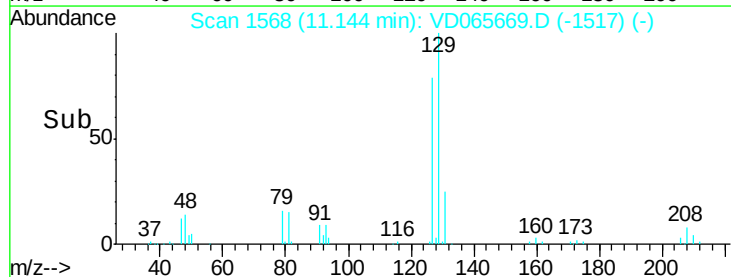
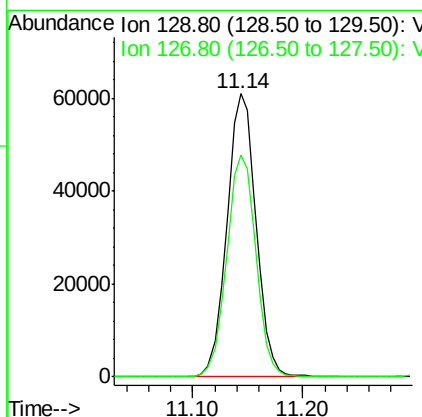
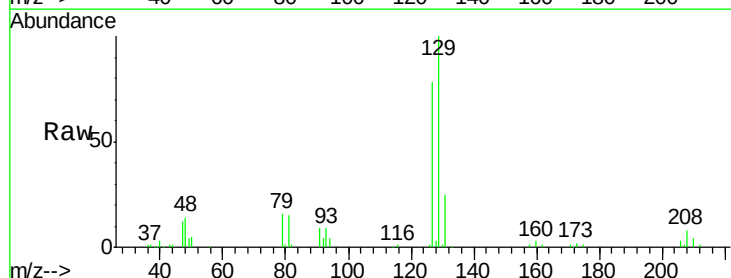
Manual Integrations
APPROVED

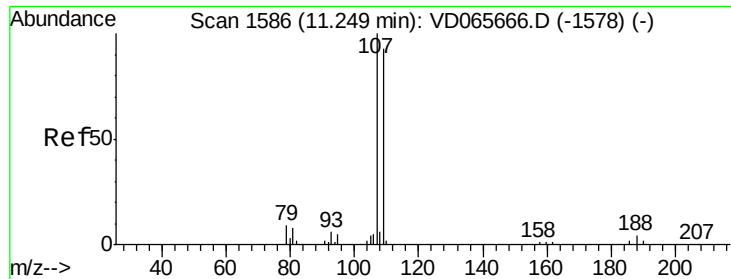
MMDadoda
4/23/2020 1:31:49 PM



#60
Dibromochloromethane
Concen: 53.569 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Tgt Ion: 129 Resp: 112763
Ion Ratio Lower Upper
129 100
127 78.5 38.5 115.5





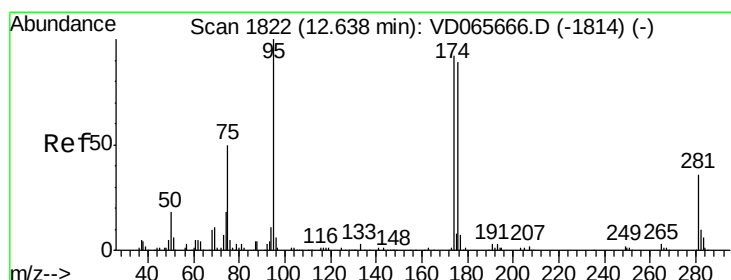
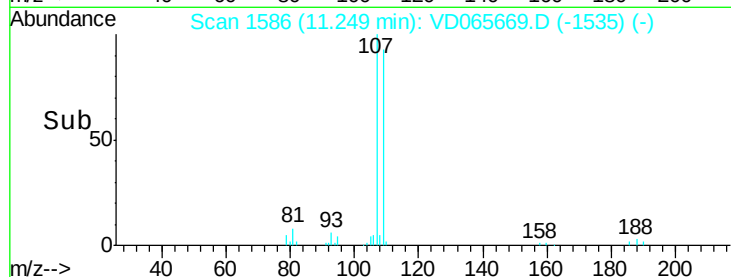
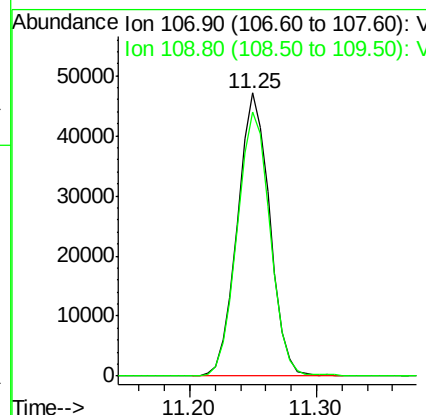
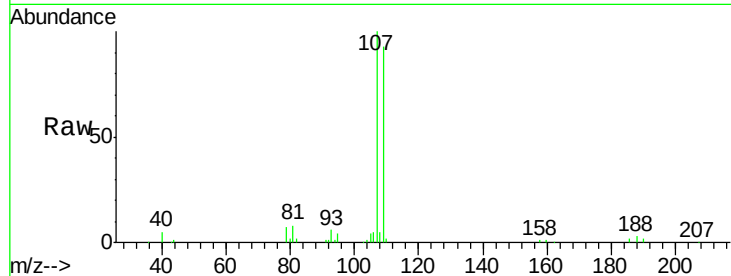
#61
 1,2-Dibromoethane
 Concen: 54.151 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065669.D
 Acq: 22 Apr 2020 18:19

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD042220

Tot Ion: 107 Resp: 82852
 Ion Ratio Lower Upper
 107 100
 109 95.1 76.4 114.6

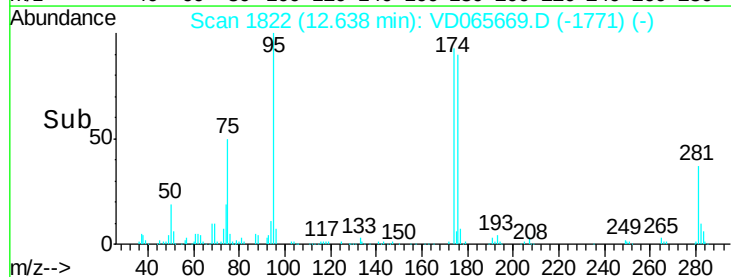
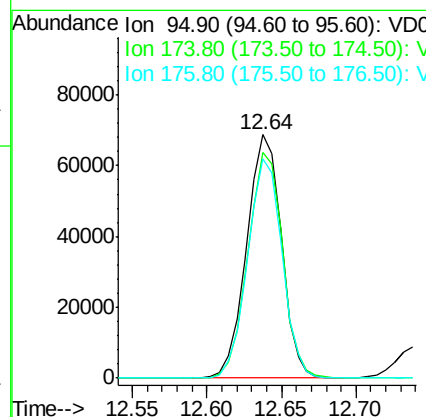
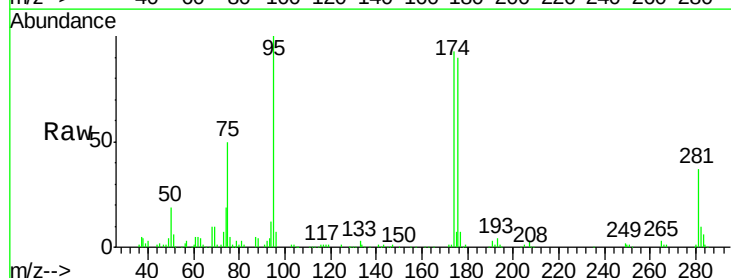
Manual Integrations
 APPROVED

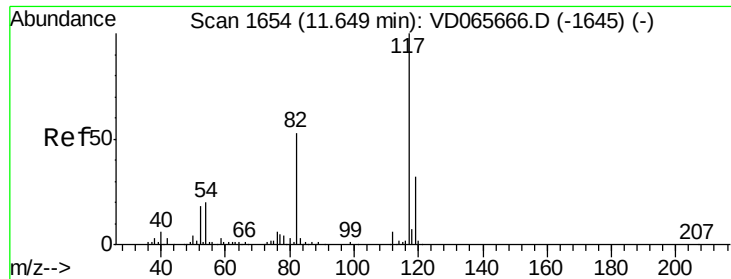
MMDadoda
 4/23/2020 1:31:49 PM



#62
 4-Bromofluorobenzene
 Concen: 45.812 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065669.D
 Acq: 22 Apr 2020 18:19

Tgt Ion: 95 Resp: 110613
 Ion Ratio Lower Upper
 95 100
 174 92.6 0.0 186.4
 176 89.3 0.0 178.4





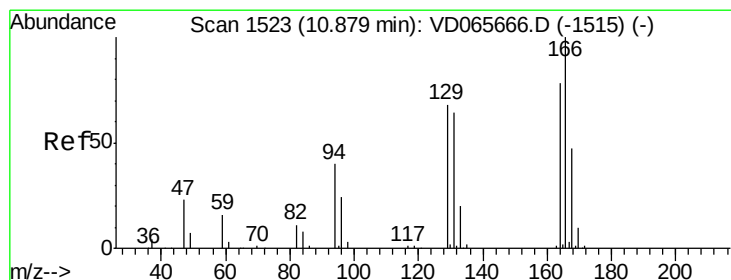
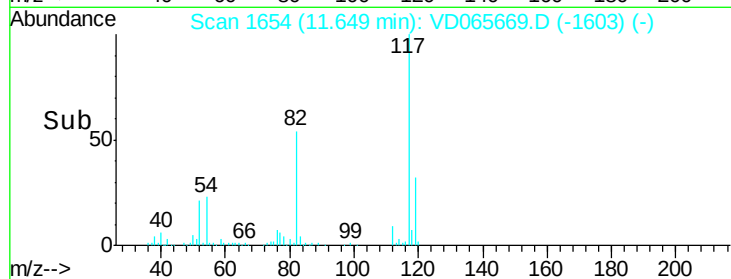
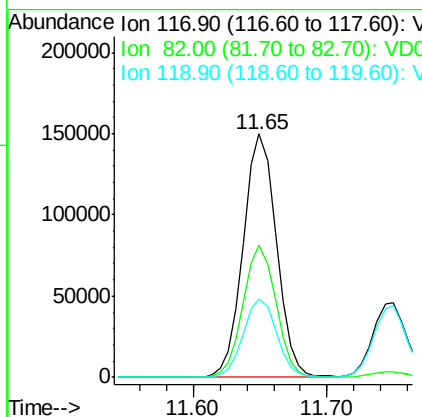
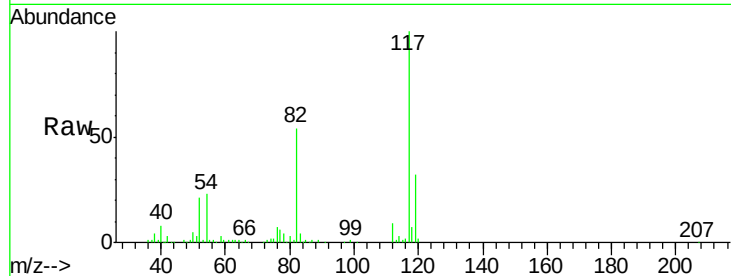
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Instrument :
MSVOA_D
ClientSampleId :
ICVVD042220

Tot Ion	Ratio	Resp	Lower	Upper
117	100	257993		
82	54.3		42.7	64.1
119	32.2		25.9	38.9

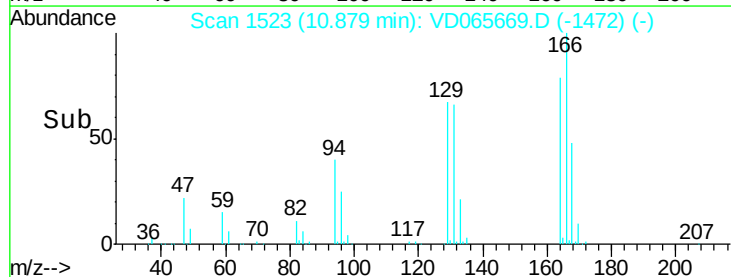
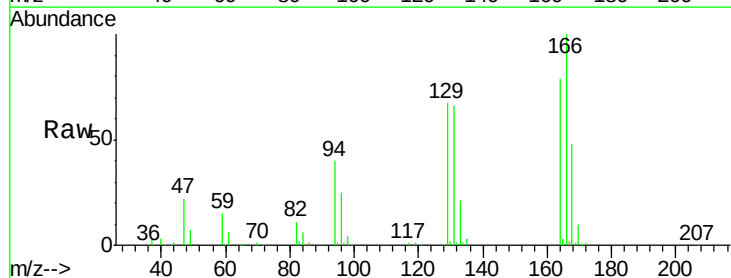
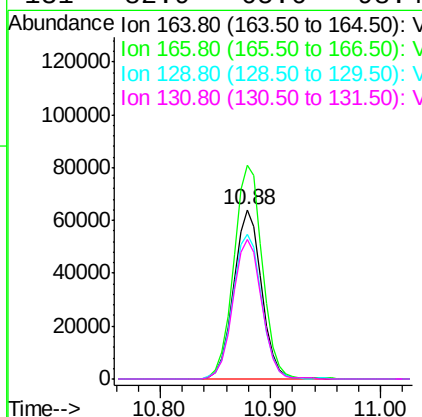
Manual Integrations
APPROVED

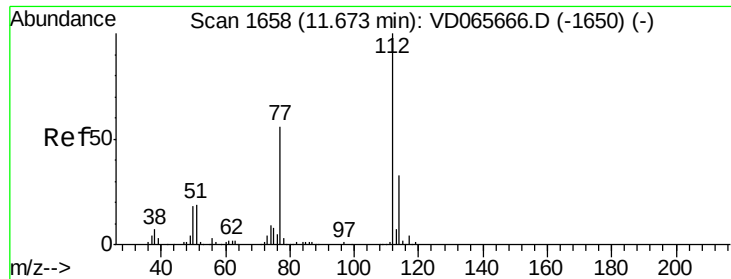
MMDadoda
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#64
Tetrachloroethene
Concen: 62.295 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	113278		
166	126.4		102.0	153.0
129	85.3		69.3	103.9
131	82.9		65.6	98.4





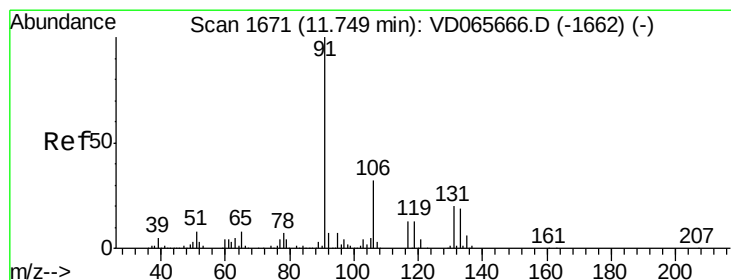
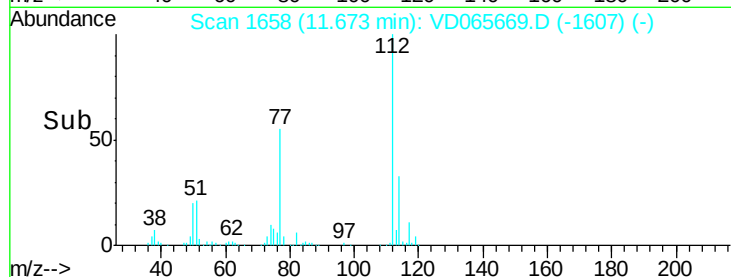
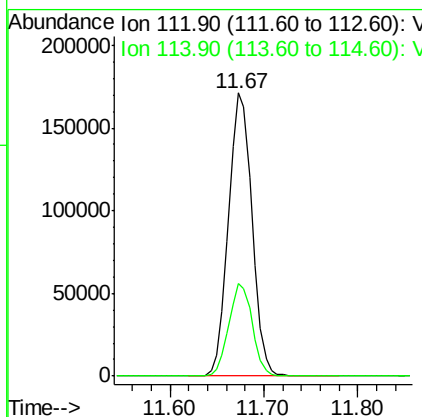
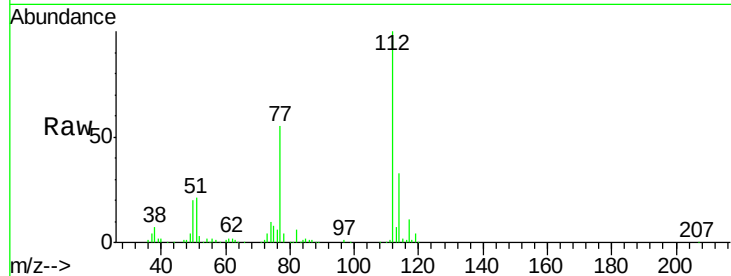
#65
Chlorobenzene
Concen: 59.077 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Instrument :
MSVOA_D
ClientSampleId :
ICVVD042220

Tot Ion	Ratio	Resp	Lower	Upper
112	100	298468		
114	32.5	26.2	39.2	

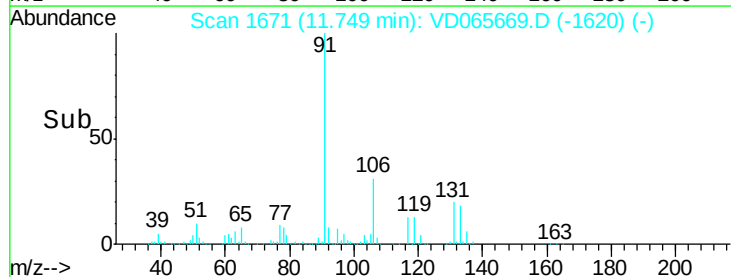
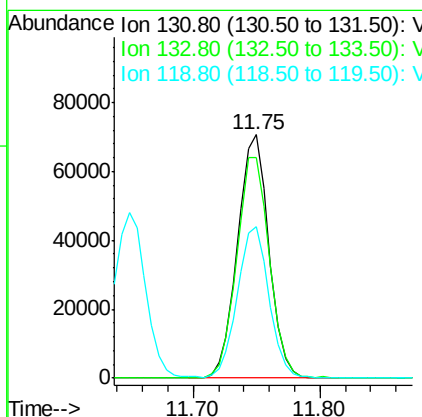
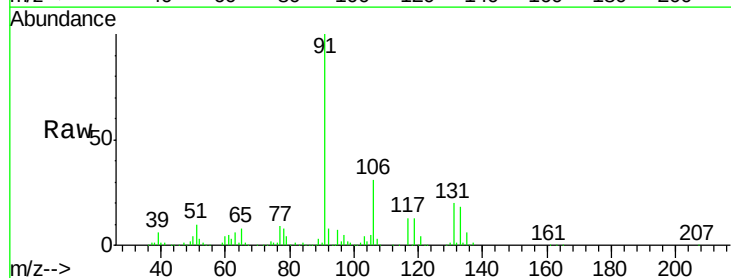
Manual Integrations
APPROVED

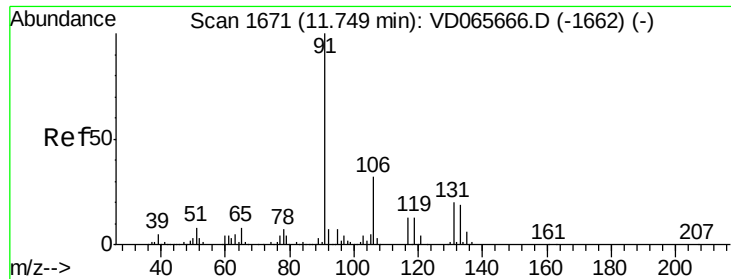
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 62.941 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	121064		
133	94.4	48.6	145.8	
119	62.8	32.3	96.9	





#67

Ethyl Benzene

Concen: 65.259 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

ICVVD042220

Tot Ion: 91 Resp: 554374

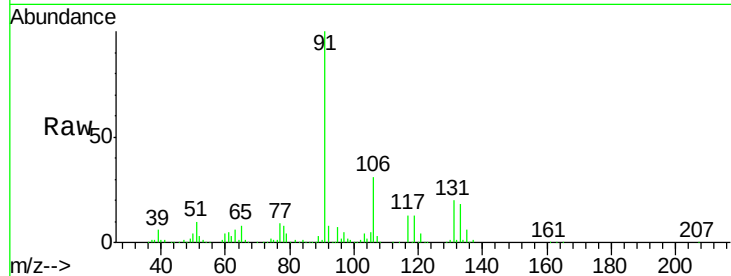
Ion Ratio Lower Upper

91 100

106 31.3 25.3 37.9

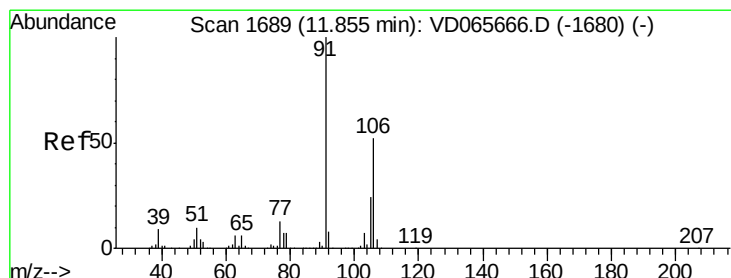
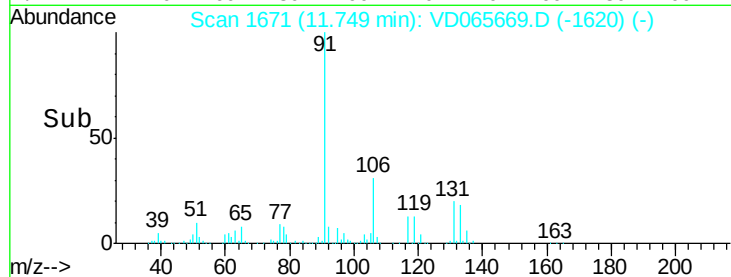
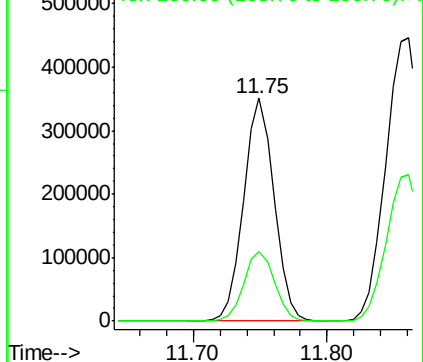
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 131.708 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD065669.D

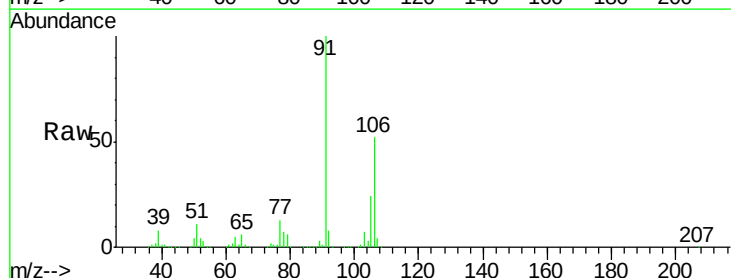
Acq: 22 Apr 2020 18:19

Tgt Ion: 106 Resp: 439191

Ion Ratio Lower Upper

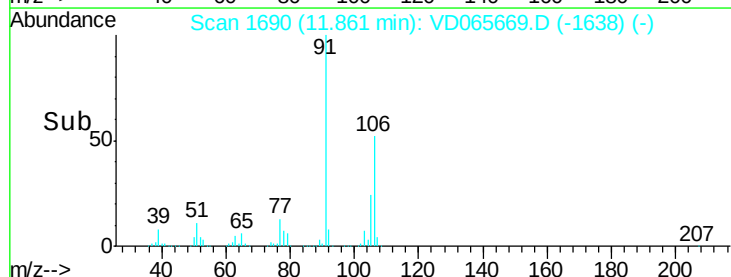
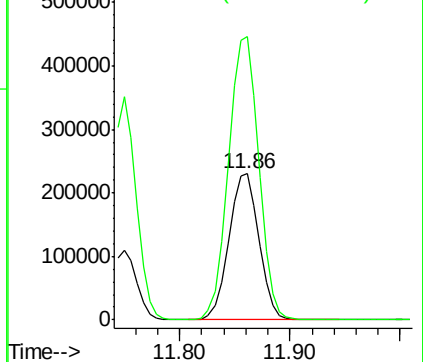
106 100

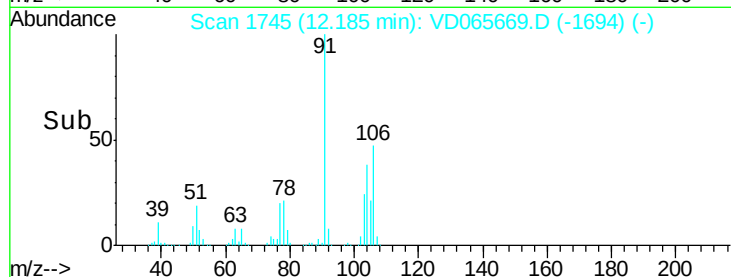
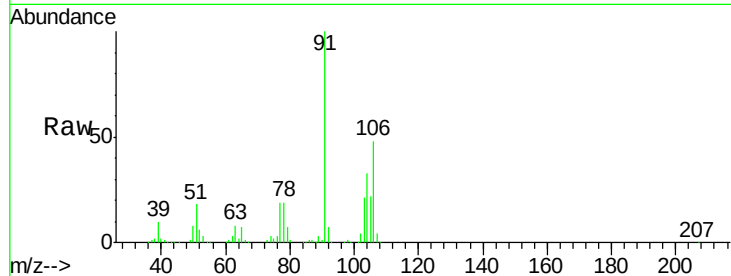
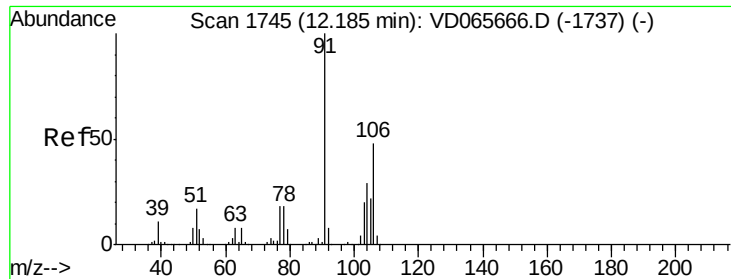
91 196.1 155.8 233.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





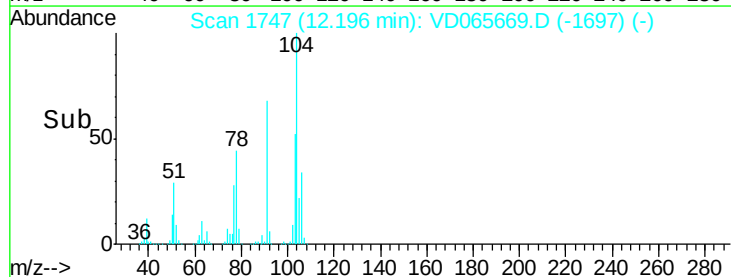
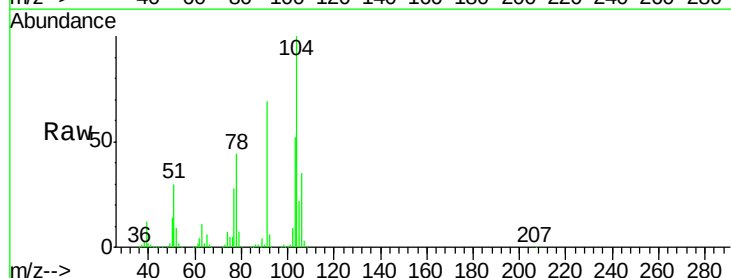
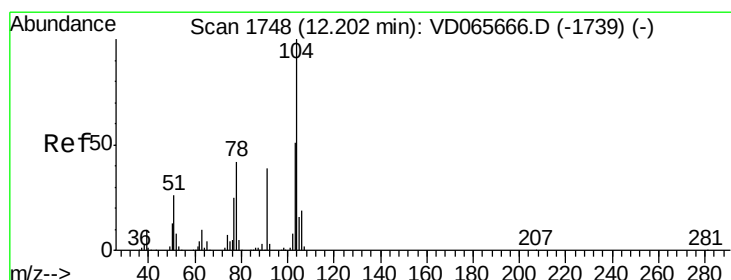
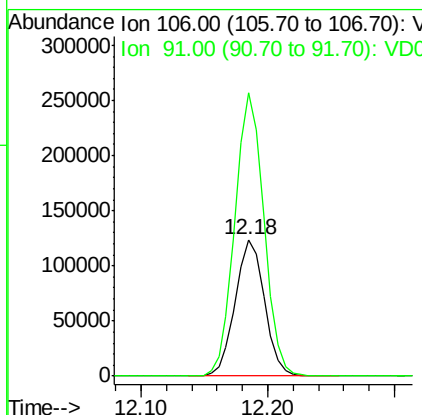
#69
o-Xylene
Concen: 68.955 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	197081		
91	91	206.2	103.6	310.9	

Instrument :
MSVOA_D
ClientSampleId :
ICVVD042220

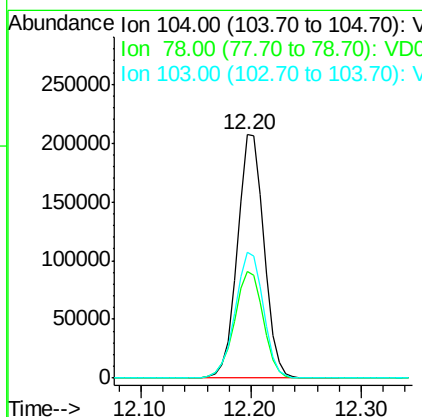
Manual Integrations
APPROVED

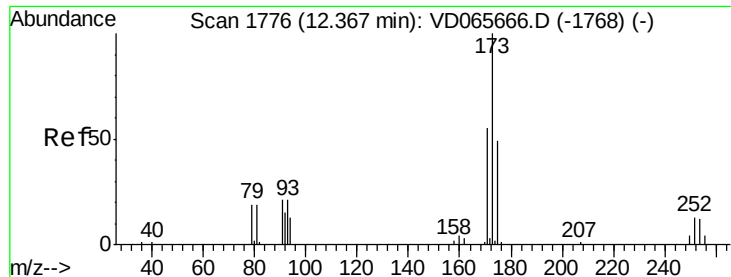
MMDadoda
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#70
Styrene
Concen: 68.821 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	352440		
78	78	47.3	37.4	56.0	
103	103	54.9	43.6	65.4	





#71

Bromoform

Concen: 61.996 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

ICVVD042220

Tot Ion:173 Resp: 69194

Ion Ratio Lower Upper

173 100

175 48.6 23.9 71.7

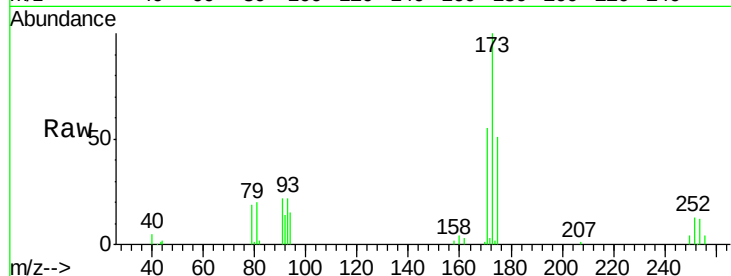
254 0.0 0.0 0.0

Manual Integrations

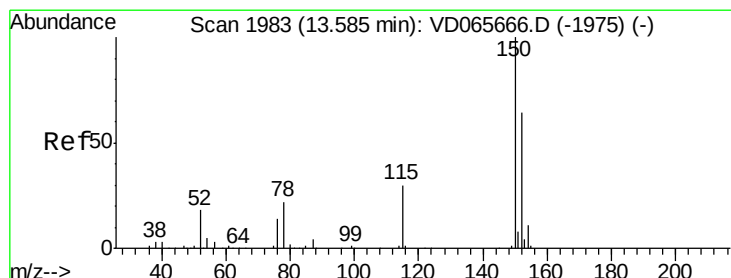
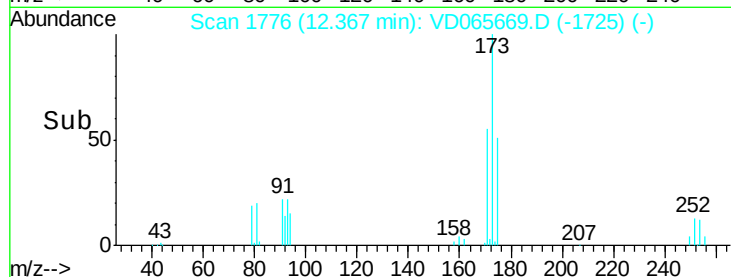
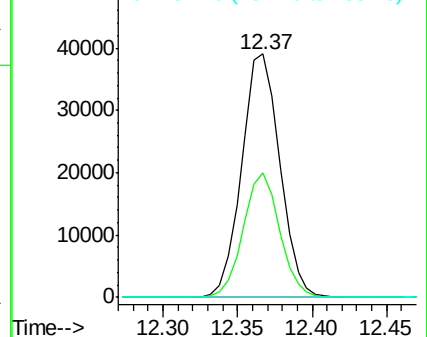
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

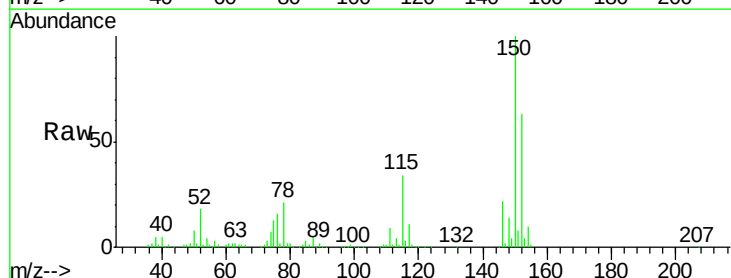
Tgt Ion:152 Resp: 153378

Ion Ratio Lower Upper

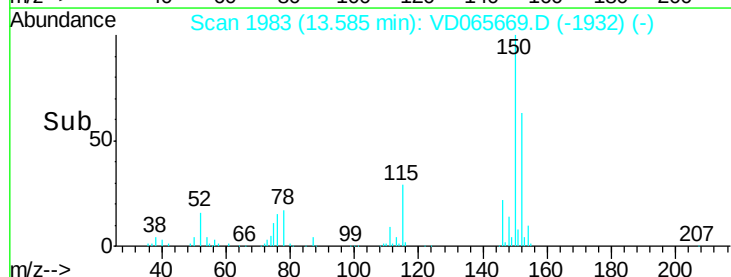
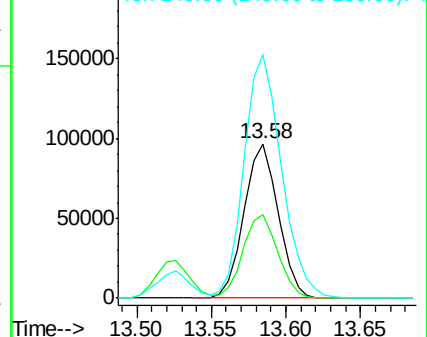
152 100

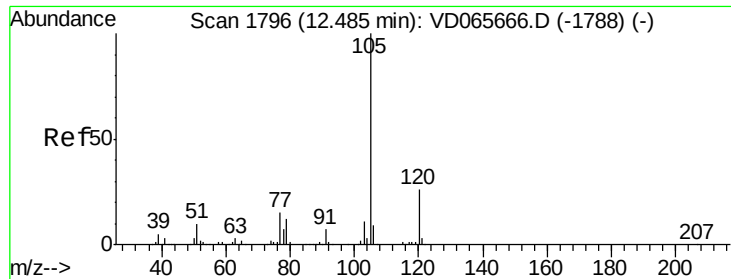
115 54.8 27.4 82.0

150 173.3 0.0 339.0



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





#73

Isopropylbenzene

Concen: 55.131 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

ICVVD042220

Tot Ion:105 Resp: 496249

Ion Ratio Lower Upper

105 100

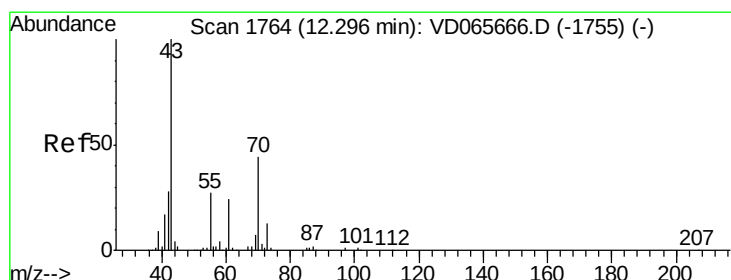
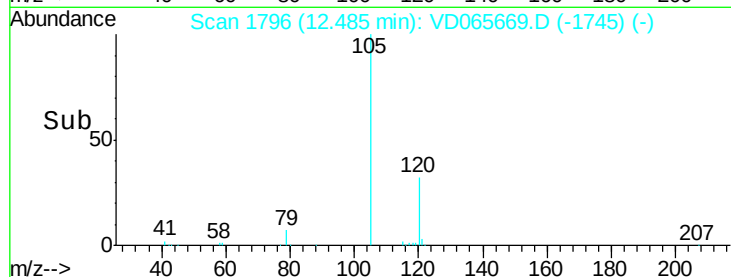
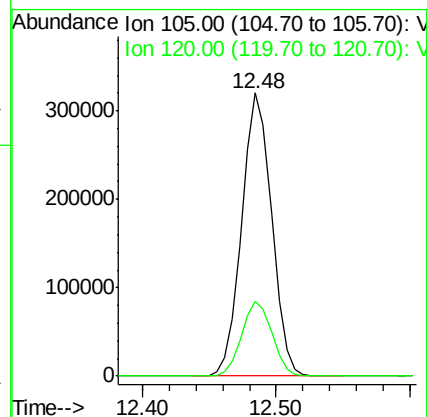
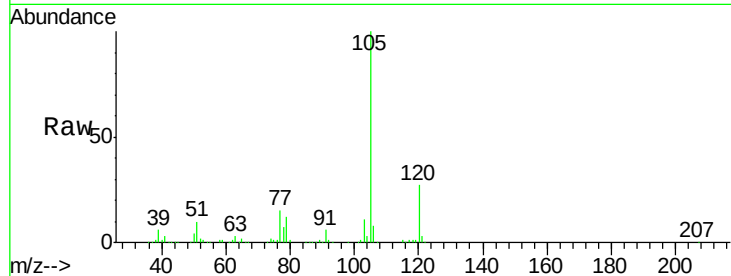
120 26.9 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 57.913 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

Tgt Ion: 43 Resp: 114820

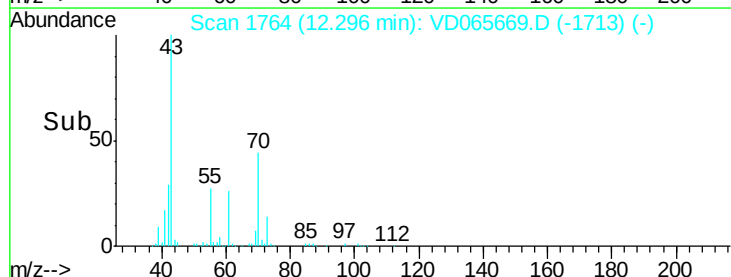
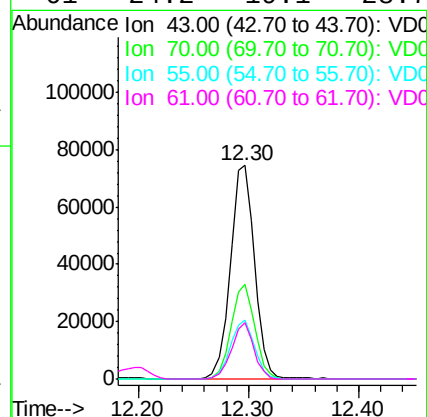
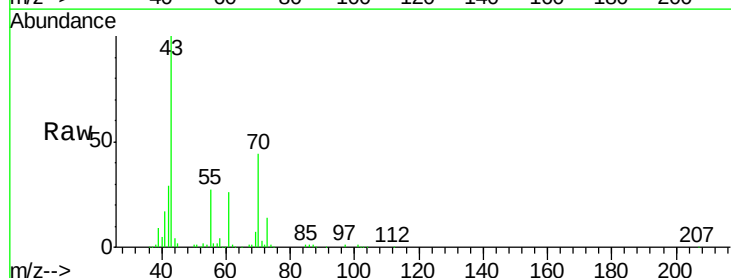
Ion Ratio Lower Upper

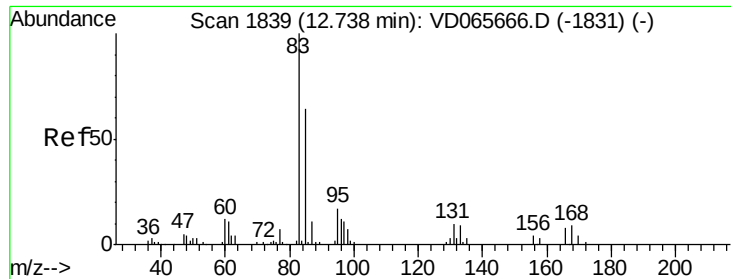
43 100

70 43.2 34.6 51.8

55 27.4 22.3 33.5

61 24.2 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 50.525 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

Instrument :

MSVOA_D

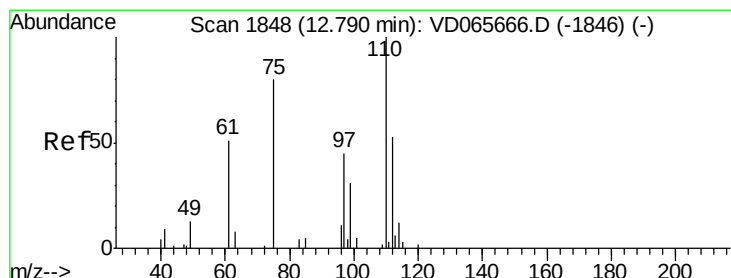
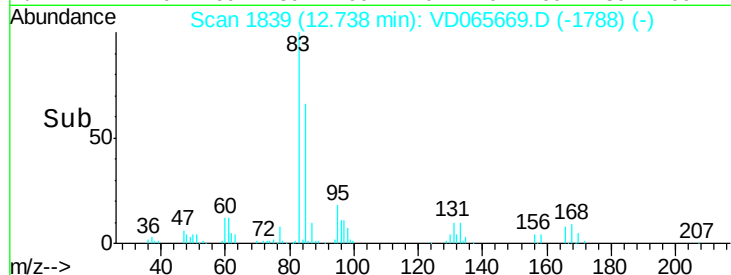
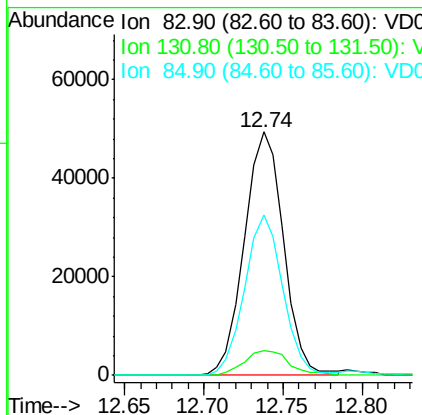
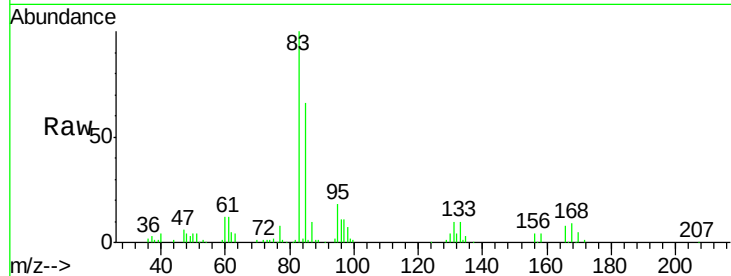
ClientSampleId :

ICVVD042220

Tot Ion:	83	Resp:	85220
Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.7	17.1
85	64.0	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.273 ug/l m

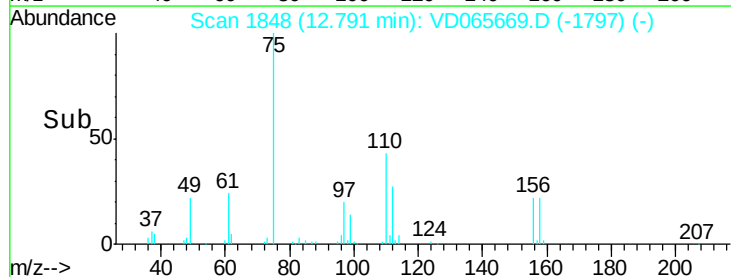
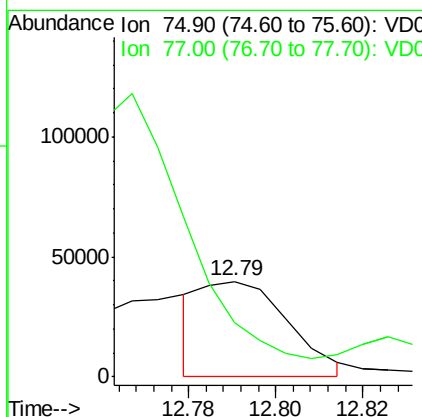
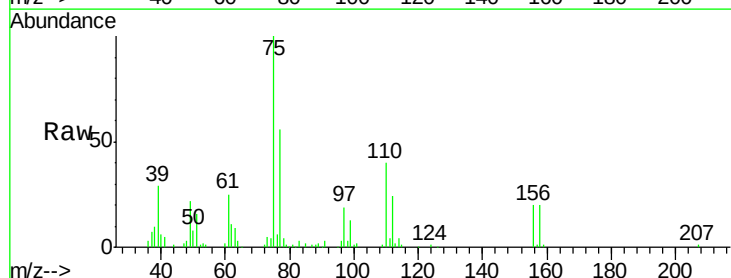
RT: 12.79 min Scan# 1848

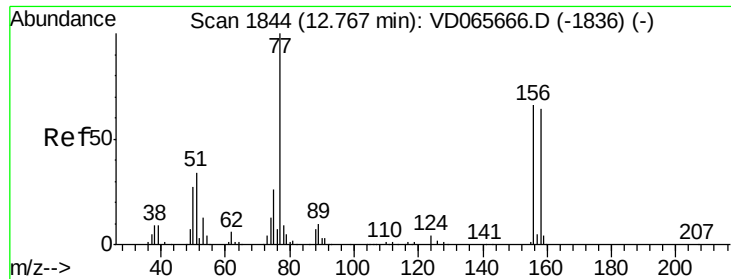
Delta R.T. 0.00 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

Tgt Ion:	75	Resp:	55438
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.682 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

Instrument :

MSVOA_D

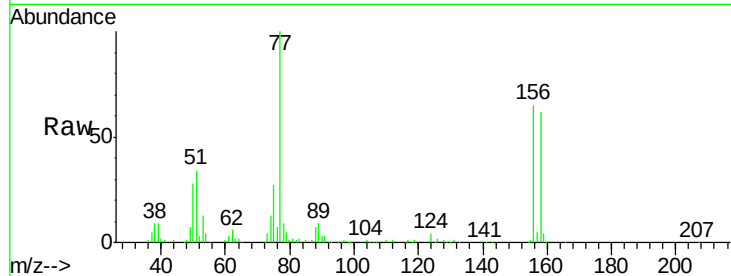
ClientSampleId :

ICVVD042220

Tot Ion:	156	Resp:	129160
Ion Ratio	Lower	Upper	
156	100		
77	166.8	85.8	257.3
158	96.2	49.9	149.6

Manual Integrations
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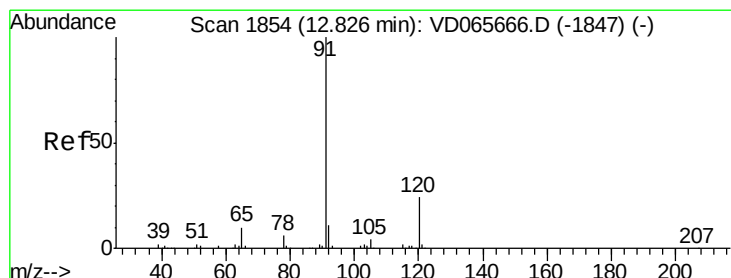
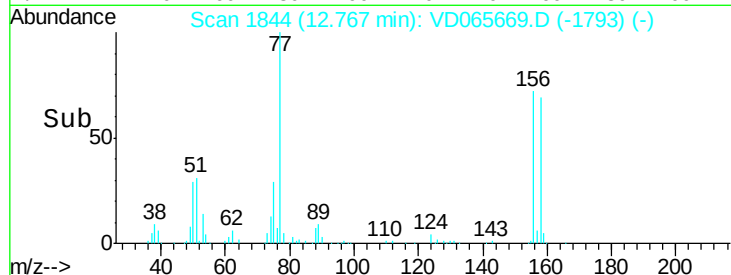
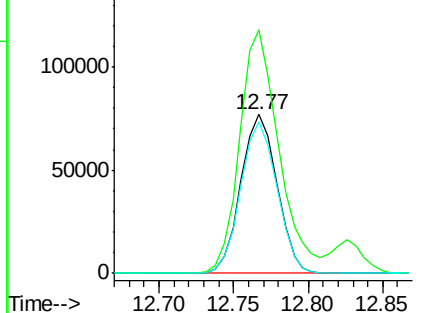
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.640 ug/l

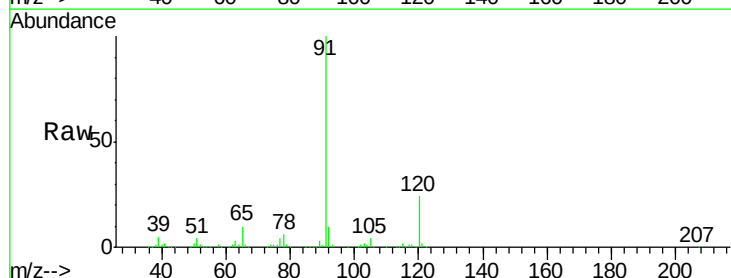
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065669.D

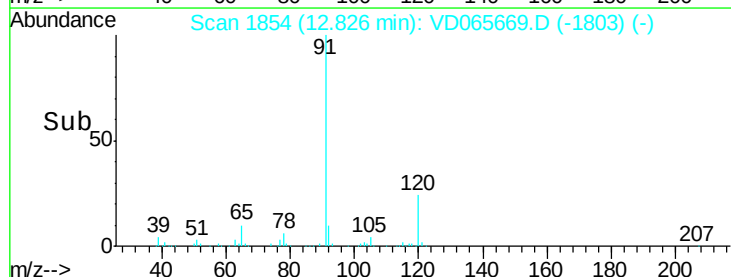
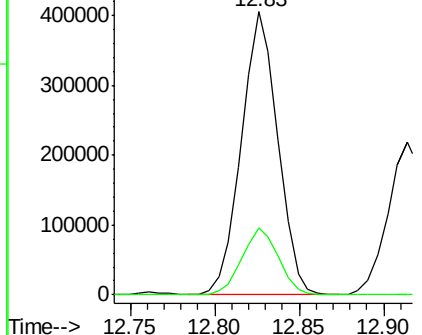
Acq: 22 Apr 2020 18:19

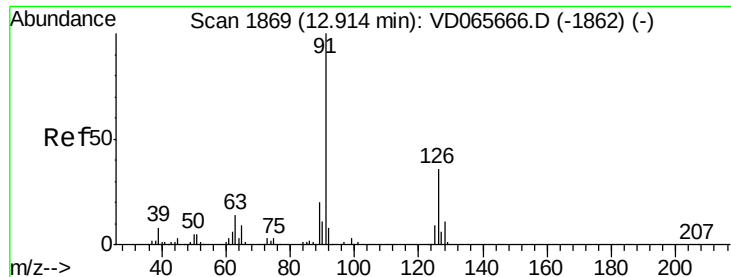
Tgt Ion:	91	Resp:	608401
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.9	35.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 56.759 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

ICVVD042220

Tot Ion: 91 Resp: 352581

Ion Ratio Lower Upper

91 100

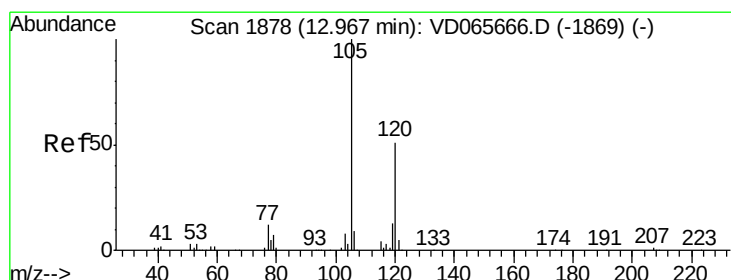
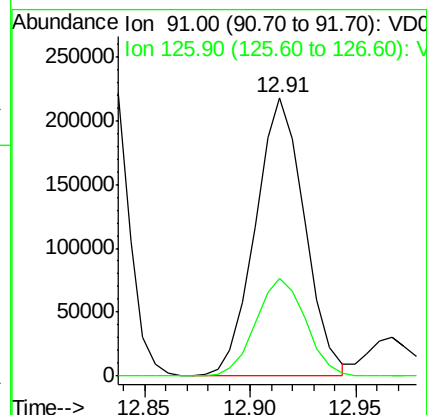
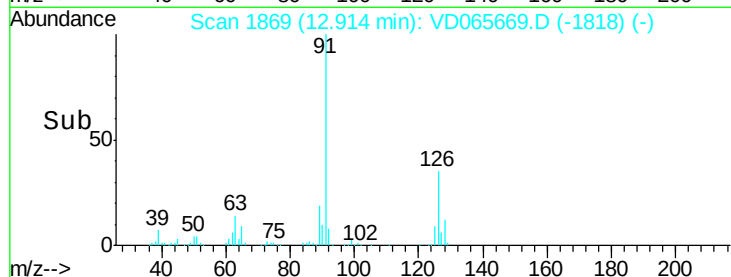
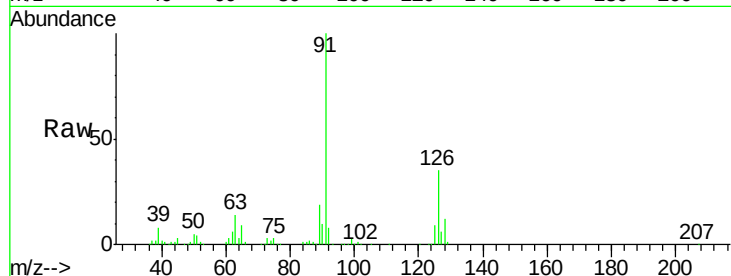
126 35.5 17.8 53.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 58.942 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065669.D

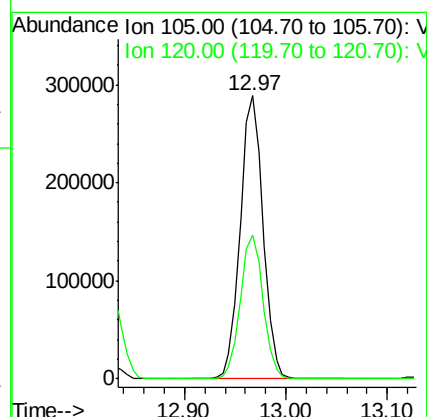
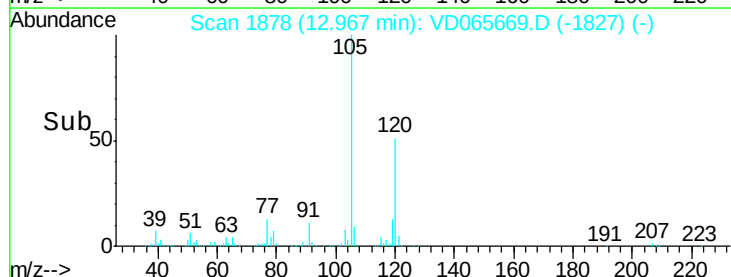
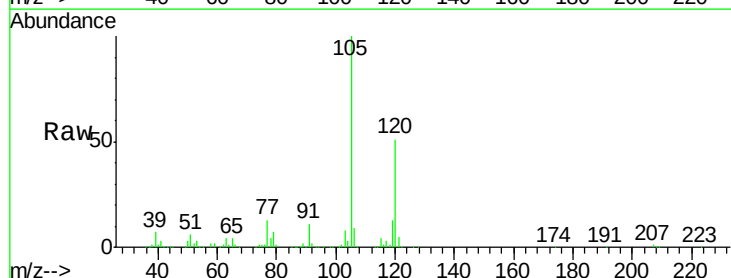
Acq: 22 Apr 2020 18:19

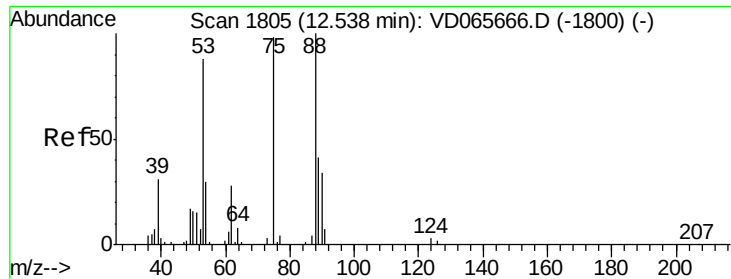
Tgt Ion:105 Resp: 450197

Ion Ratio Lower Upper

105 100

120 50.8 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.019 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

Instrument :

MSVOA_D

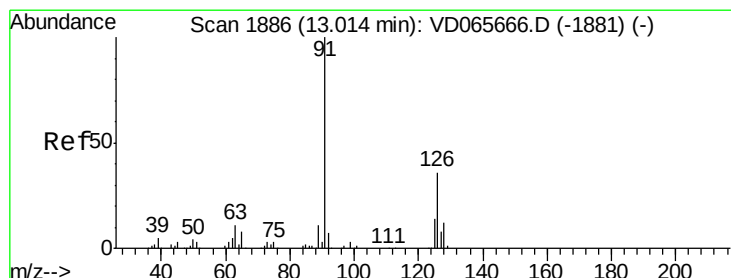
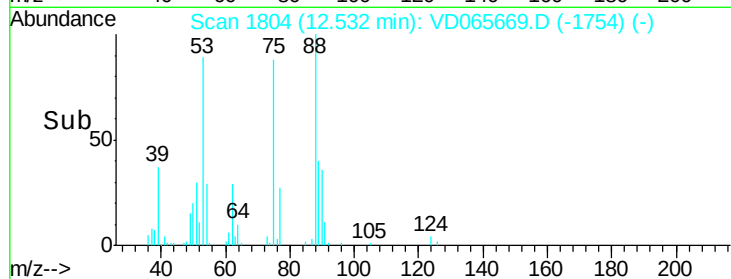
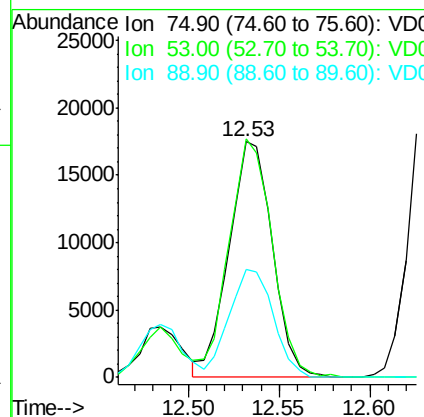
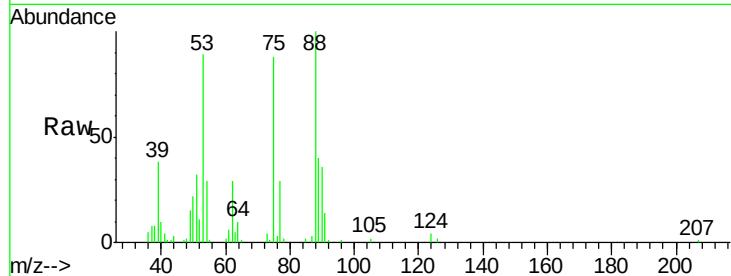
ClientSampleId :

ICVVD042220

Tot Ion:	75	Resp:	29059
Ion	Ratio	Lower	Upper
75	100		
53	101.3	76.5	114.7
89	46.4	35.0	52.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 56.307 ug/l

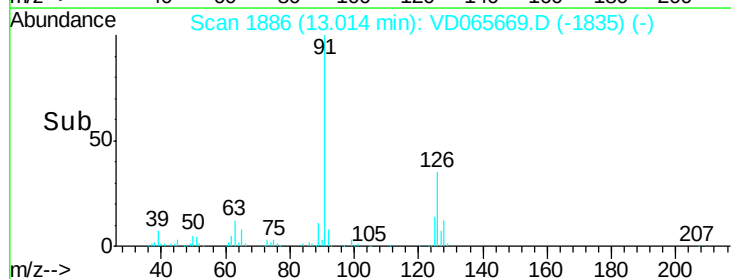
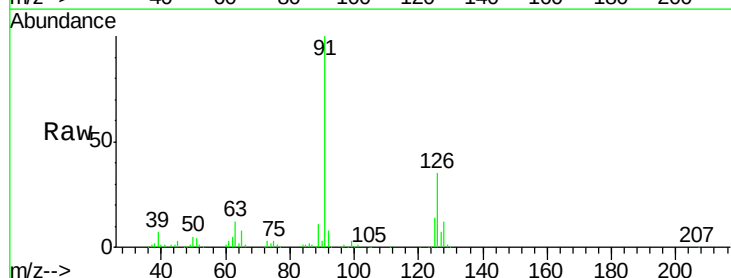
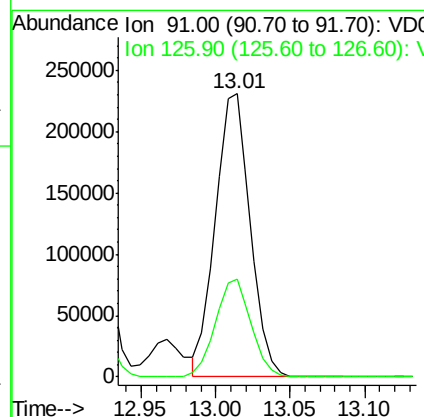
RT: 13.01 min Scan# 1886

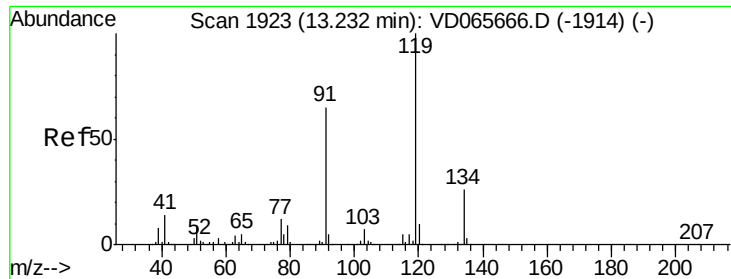
Delta R.T. 0.00 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

Tgt Ion:	91	Resp:	376017
Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.7	53.1





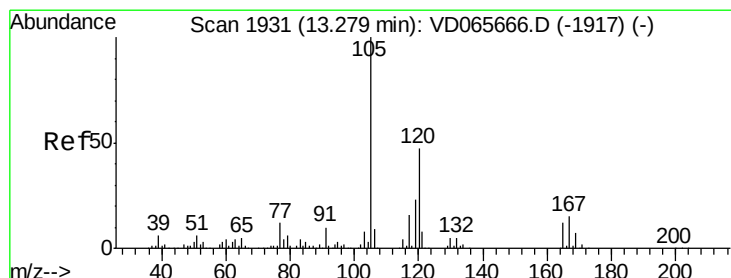
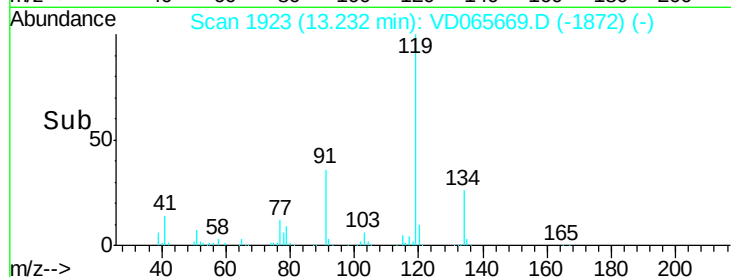
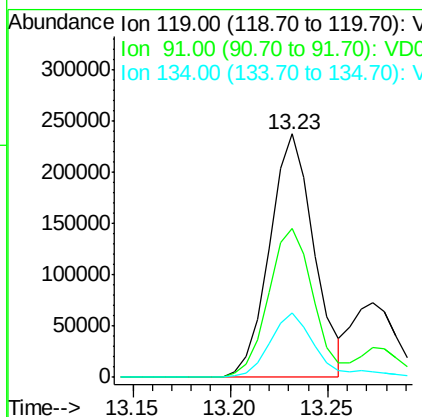
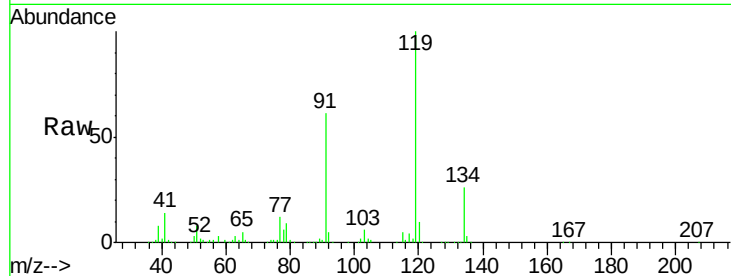
#83
 tert-Butylbenzene
 Concen: 58.826 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065669.D
 Acq: 22 Apr 2020 18:19

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD042220

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.6	31.9	95.7
134	27.5	14.1	42.3

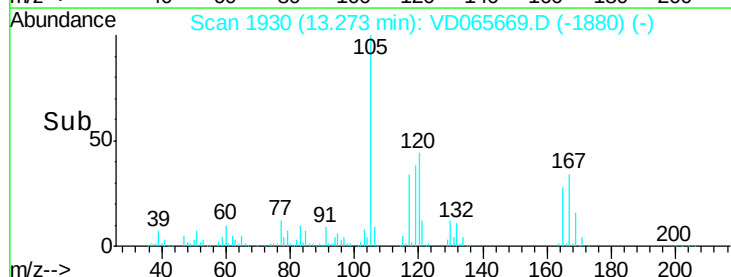
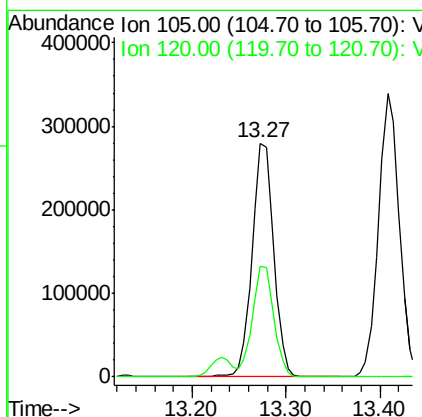
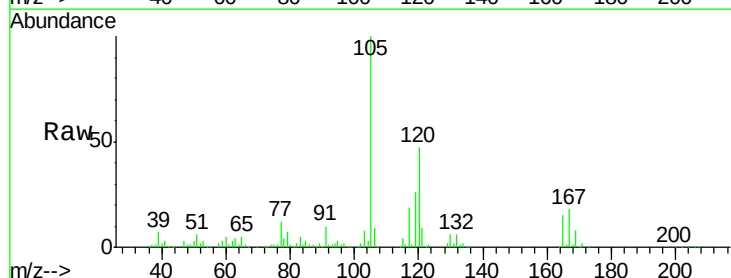
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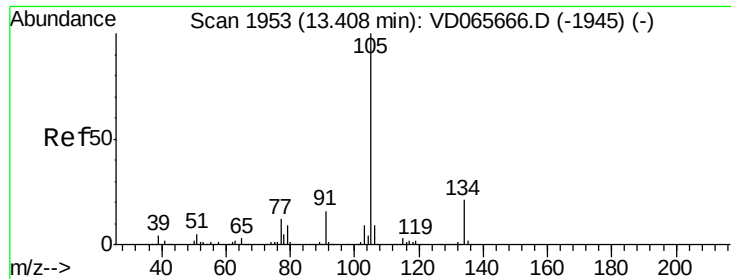
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#84
 1,2,4-Trimethylbenzene
 Concen: 58.829 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD065669.D
 Acq: 22 Apr 2020 18:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.5	70.6





#85

sec-Butylbenzene

Concen: 57.029 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

ICVVD042220

Tot Ion:105 Resp: 518233

Ion Ratio Lower Upper

105 100

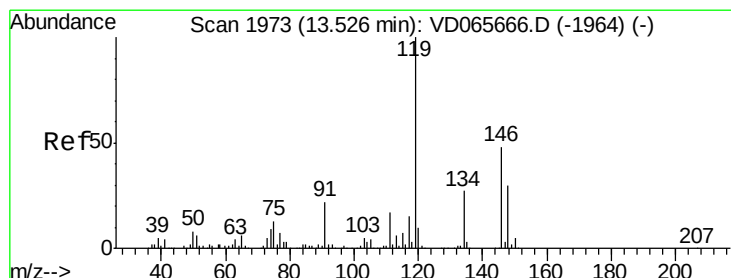
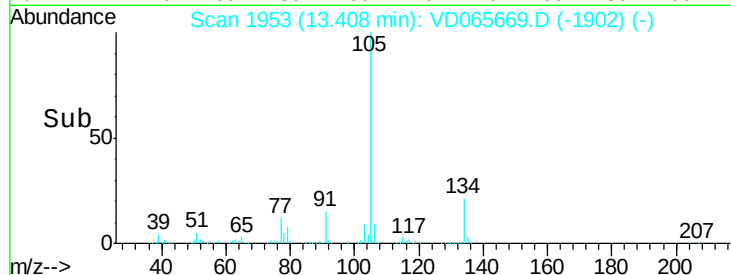
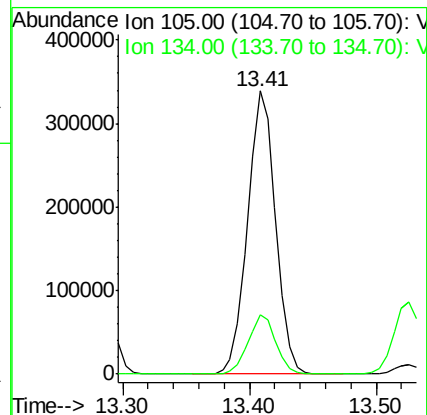
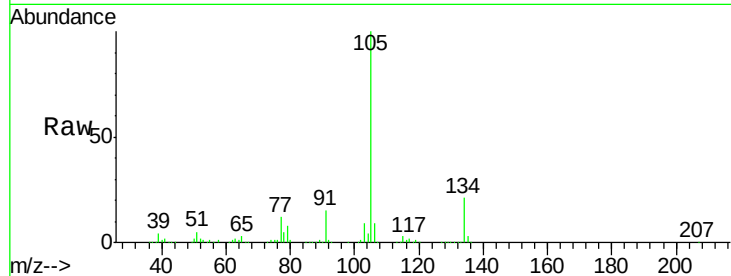
134 20.9 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 58.644 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065669.D

Acq: 22 Apr 2020 18:19

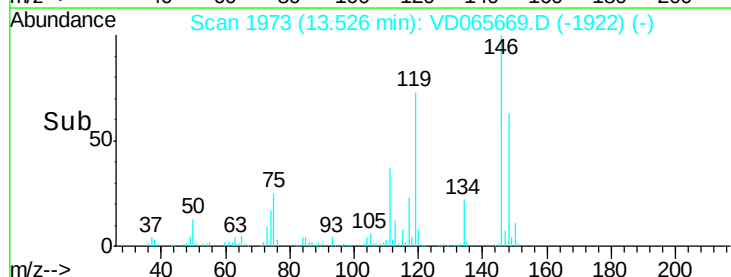
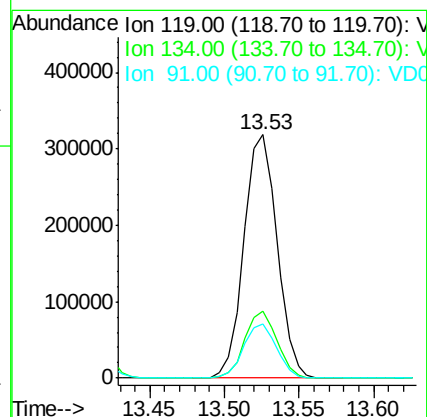
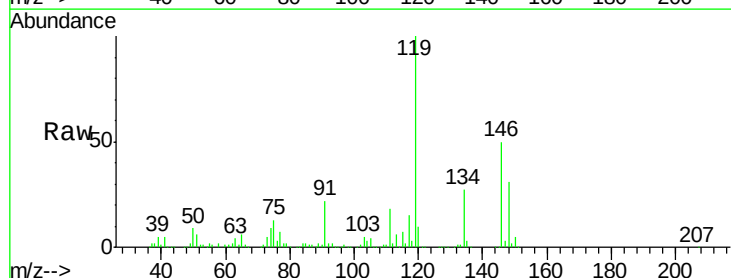
Tgt Ion:119 Resp: 490340

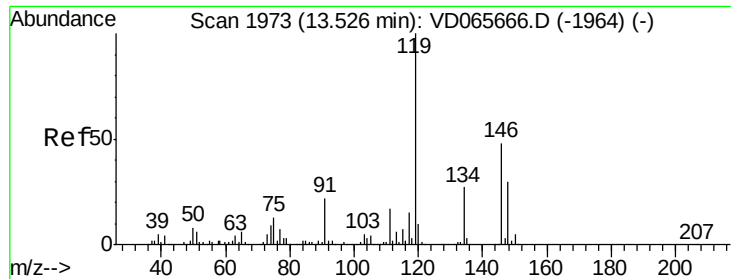
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 22.1 10.9 32.7





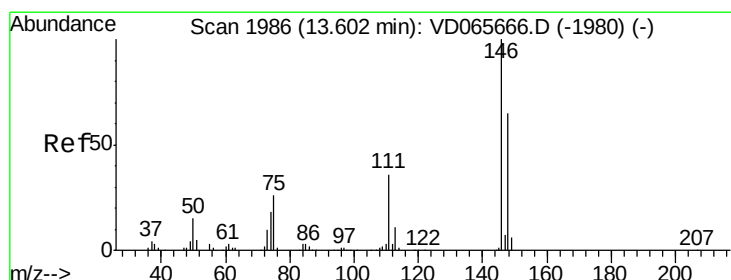
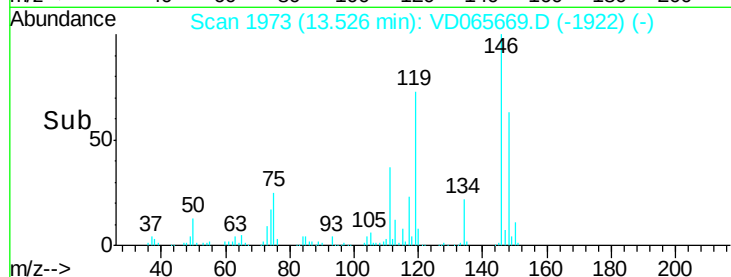
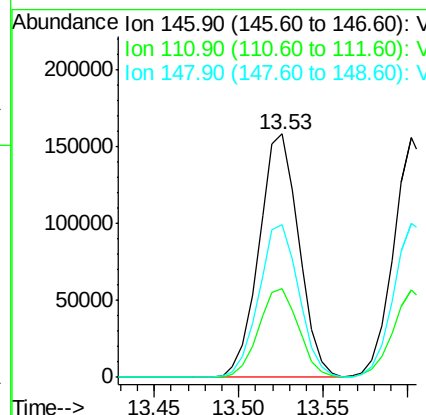
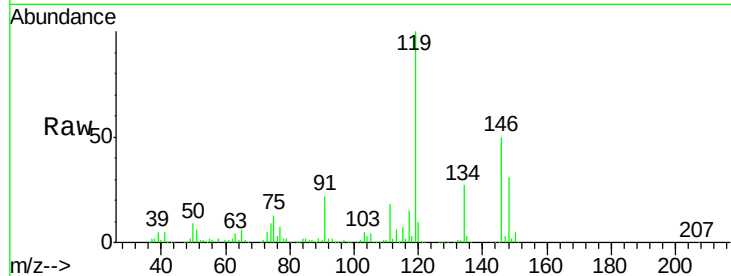
#87
 1,3-Dichlorobenzene
 Concen: 55.601 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065669.D
 Acq: 22 Apr 2020 18:19

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD042220

Tot Ion	Ratio	Resp	Lower	Upper
146	100	259262		
111	36.6	18.6	56.0	
148	63.3	31.9	95.9	

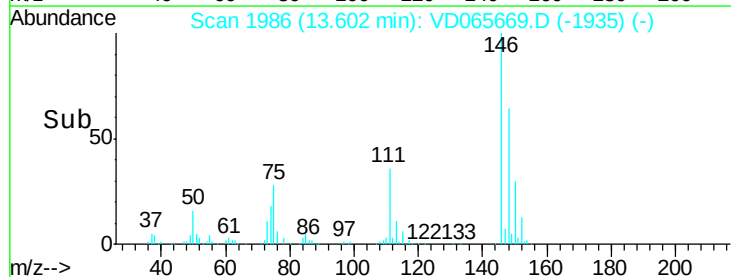
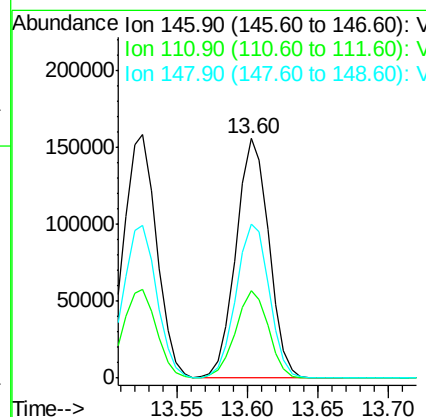
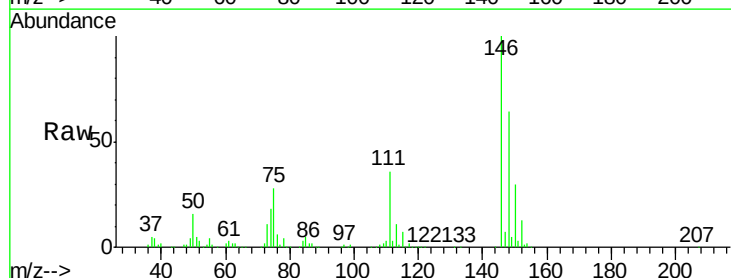
Manual Integrations
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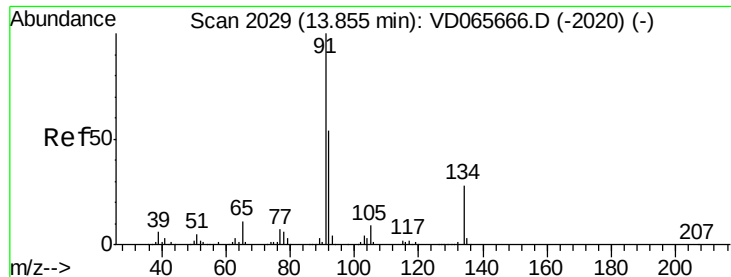
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#88
 1,4-Dichlorobenzene
 Concen: 54.105 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065669.D
 Acq: 22 Apr 2020 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	253509		
111	36.4	18.1	54.1	
148	64.7	31.9	95.5	





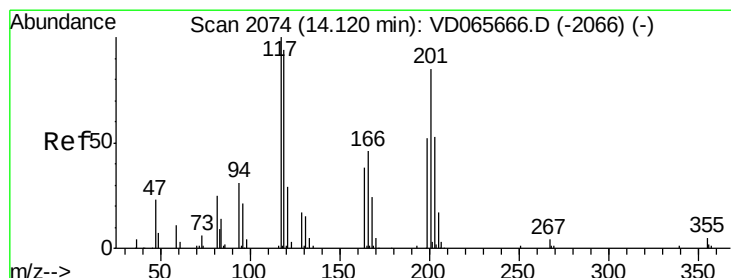
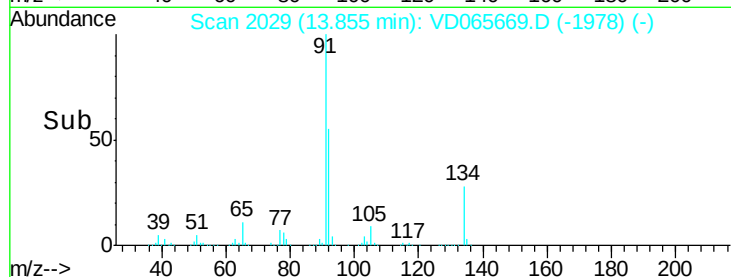
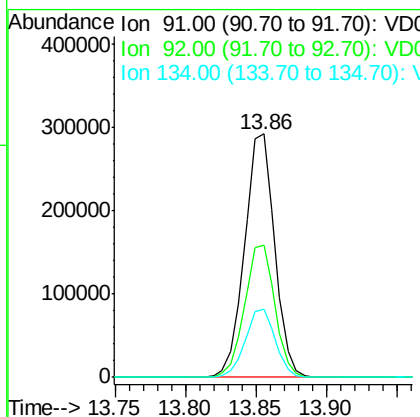
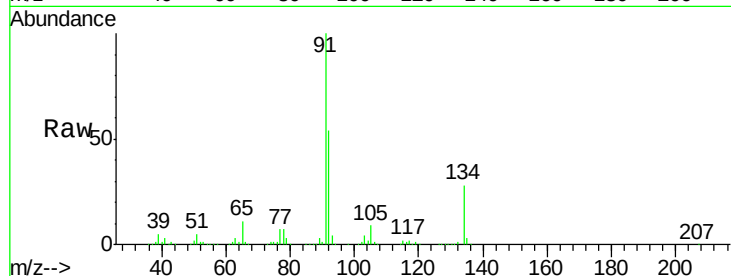
#89
n-Butylbenzene
Concen: 57.640 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Instrument :
MSVOA_D
ClientSampleId :
ICVVD042220

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.7	27.1	81.2	
134	28.0	13.7	41.0	

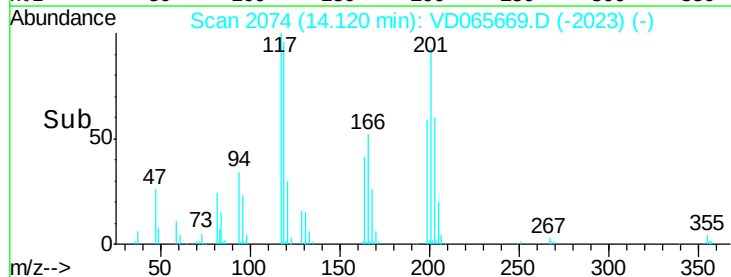
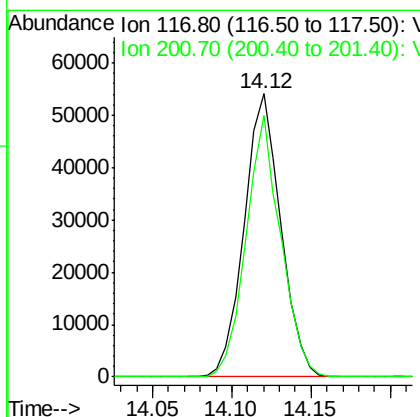
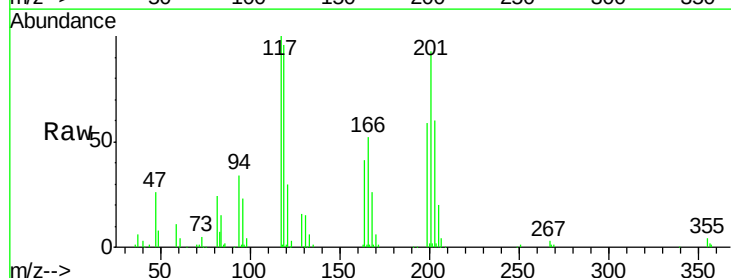
Manual Integrations
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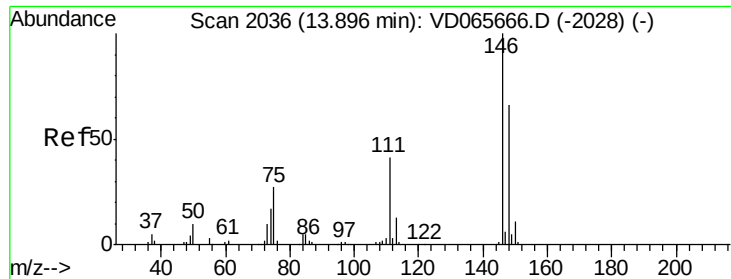
MMDadoda
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#90
Hexachloroethane
Concen: 48.085 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	87.1	44.6	134.0	





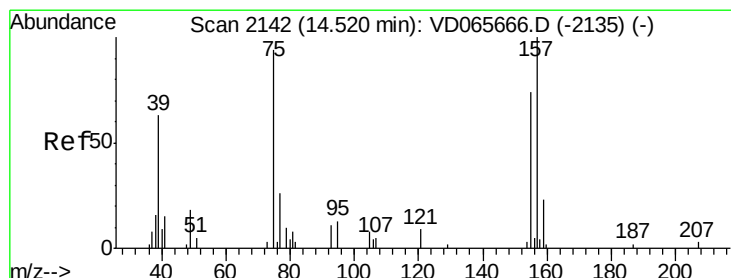
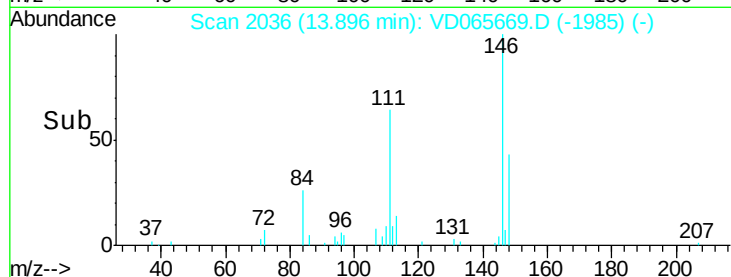
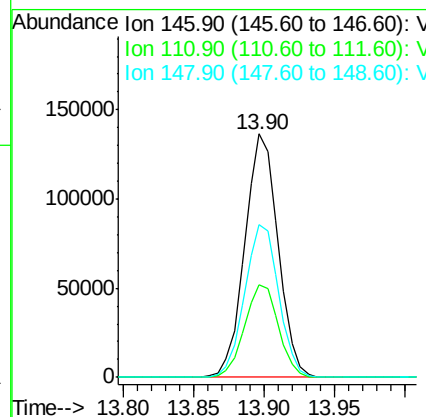
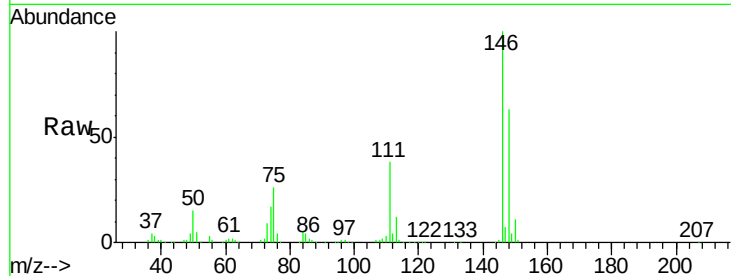
#91
 1,2-Dichlorobenzene
 Concen: 55.569 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD065669.D
 Acq: 22 Apr 2020 18:19

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD042220

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.1
148	64.4	32.2	96.6

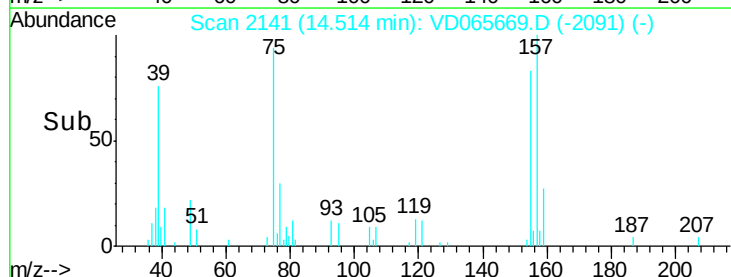
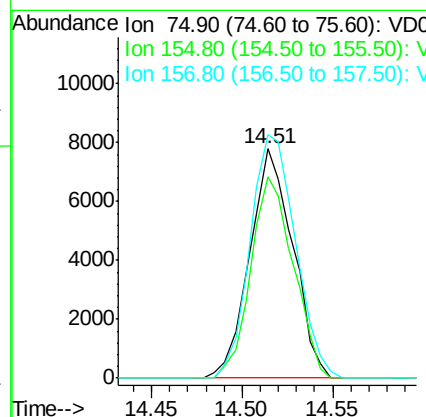
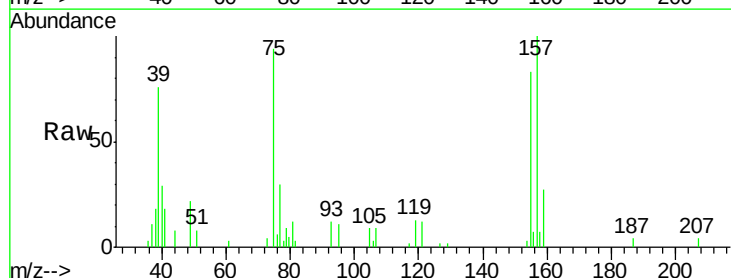
Manual Integrations
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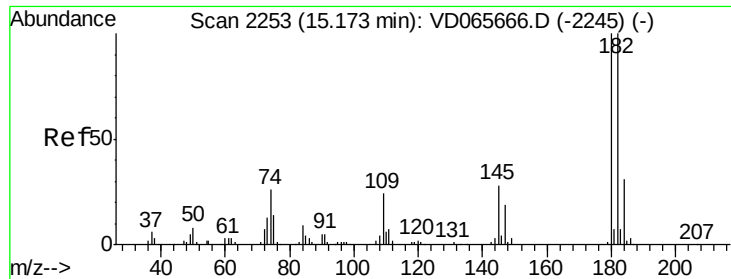
MMDadoda
 4/23/2020 1:31:49 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.906 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065669.D
 Acq: 22 Apr 2020 18:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.6	40.6	122.0
157	112.3	52.8	158.5





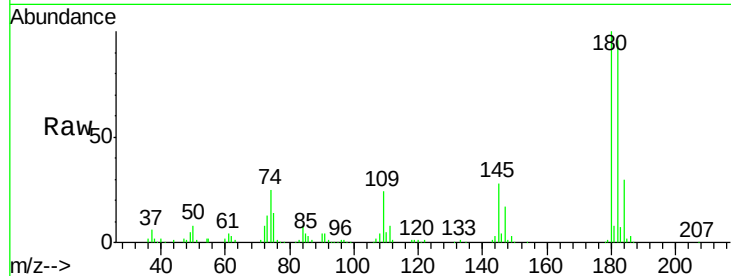
#93
 1,2,4-Trichlorobenzene
 Concen: 54.247 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065669.D
 Acq: 22 Apr 2020 18:19

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD042220

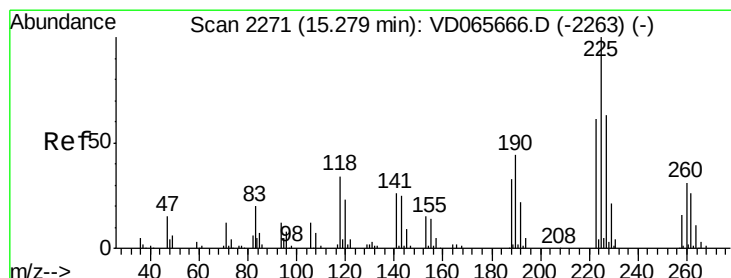
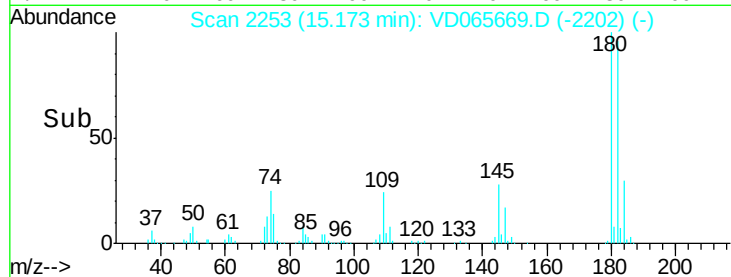
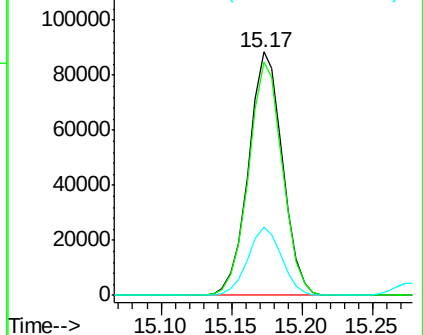
Tot Ion:	180	Resp:	149116
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.4	142.2
145	28.0	14.1	42.4

Manual Integrations
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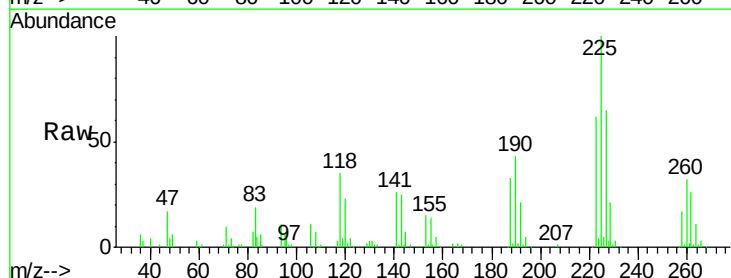


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

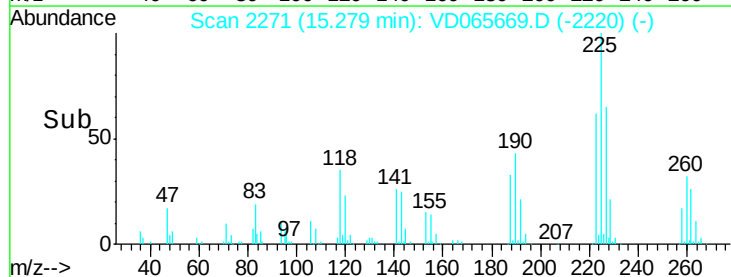
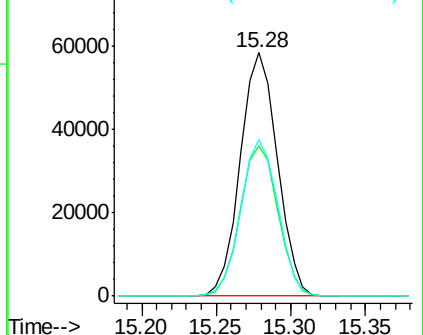


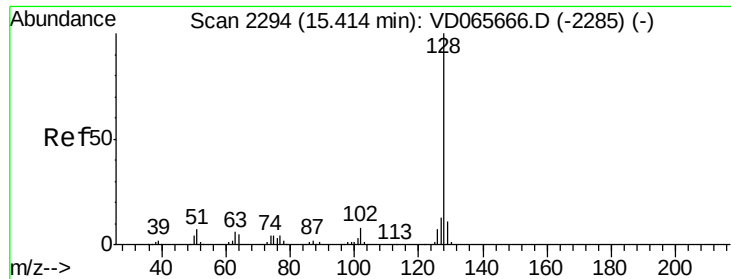
#94
 Hexachlorobutadiene
 Concen: 53.275 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065669.D
 Acq: 22 Apr 2020 18:19

Tgt Ion:	225	Resp:	100967
Ion Ratio	Lower	Upper	
225	100		
223	62.8	30.8	92.4
227	63.9	32.1	96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





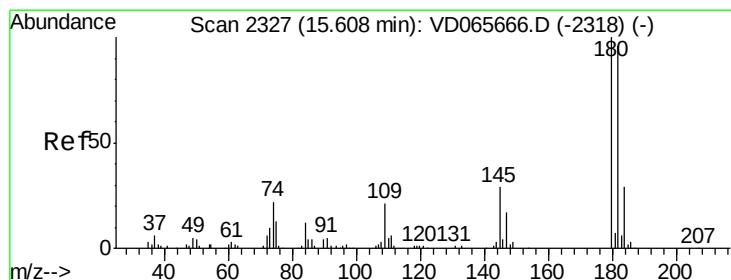
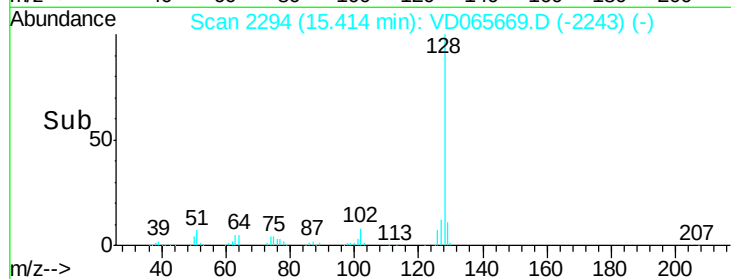
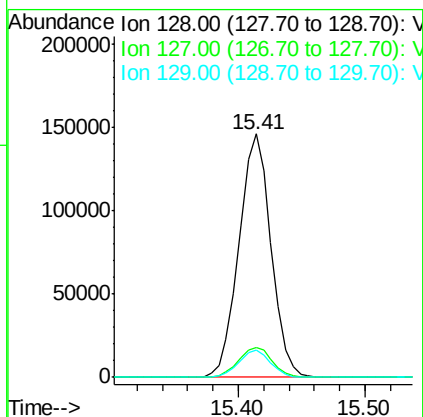
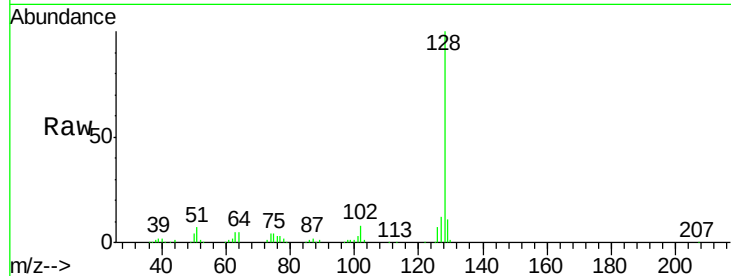
#95
Naphthalene
Concen: 53.194 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Instrument :
MSVOA_D
ClientSampleId :
ICVVD042220

Tot Ion	Ratio	Resp	Lower	Upper
128	100	255151		
127	13.0		10.6	15.8
129	11.2		8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 57.790 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065669.D
Acq: 22 Apr 2020 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	141081		
182	95.5		47.4	142.3
145	28.7		14.6	44.0

