

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040920\
 Data File : VD065611.D
 Acq On : 09 Apr 2020 13:27
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 4/10/2020 2:58:58 PM

Quant Time: Apr 10 01:30:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 10 01:11:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	472752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	651968	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	622160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	317098	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	625630	139.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	279.86%	
35) Dibromofluoromethane	7.92	113	661264	145.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	290.36%	
50) Toluene-d8	10.34	98	2530334	152.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.26%	
62) 4-Bromofluorobenzene	12.64	95	829793	155.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	310.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	592044	138.880	ug/l	99
3) Chloromethane	2.21	50	690524	130.258	ug/l	99
4) Vinyl Chloride	2.35	62	671964	135.574	ug/l	99
5) Bromomethane	2.75	94	487147	139.362	ug/l	100
6) Chloroethane	2.91	64	412173	135.034	ug/l	99
7) Trichlorofluoromethane	3.27	101	997842	132.733	ug/l	94
8) Diethyl Ether	3.71	74	206089	132.685	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	428239	87.141	ug/l	98
10) Methyl Iodide	4.29	142	556932	115.165	ug/l	97
11) Tert butyl alcohol	5.25	59	167128	733.877	ug/l #	73
12) 1,1-Dichloroethene	4.06	96	400822	88.432	ug/l	98
13) Acrolein	3.93	56	144648	461.681	ug/l	97
14) Allyl chloride	4.71	41	901340	134.059	ug/l	95
15) Acrylonitrile	5.43	53	724980	791.510	ug/l	99
16) Acetone	4.17	43	364026	450.880	ug/l	98
17) Carbon Disulfide	4.40	76	1326284	87.943	ug/l	100
18) Methyl Acetate	4.72	43	336701	142.080	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	1463314	167.000	ug/l	97
20) Methylene Chloride	4.96	84	699991	131.158	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	755201	146.806	ug/l	94
22) Diisopropyl ether	6.37	45	2076663	160.687	ug/l	100
23) Vinyl Acetate	6.31	43	5903663	889.003	ug/l	99
24) 1,1-Dichloroethane	6.27	63	1223596	142.312	ug/l	99
25) 2-Butanone	7.22	43	864234	782.056	ug/l	99
26) 2,2-Dichloropropane	7.21	77	1064557	138.353	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	815825	154.958	ug/l	98
28) Bromochloromethane	7.55	49	487545	141.281	ug/l	99
29) Tetrahydrofuran	7.57	42	570813	821.984	ug/l	100
30) Chloroform	7.71	83	1267554	140.795	ug/l	100
31) Cyclohexane	7.98	56	1119564	140.368	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	1139314	140.032	ug/l	99
36) 1,1-Dichloropropene	8.11	75	996439	148.451	ug/l	99
37) Ethyl Acetate	7.30	43	399331	160.230	ug/l	99
38) Carbon Tetrachloride	8.10	117	1054845	144.730	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1266080	166.625	ug/l	99
40) Benzene	8.36	78	2889891	150.690	ug/l	100
41) Methacrylonitrile	7.53	41	200221	137.440	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	787229	146.962	ug/l	100
43) Isopropyl Acetate	8.46	43	763072	167.818	ug/l	98
44) Trichloroethene	9.11	130	815273	147.914	ug/l	96
45) 1,2-Dichloropropane	9.39	63	700944	150.102	ug/l	99
46) Dibromomethane	9.48	93	378029	150.605	ug/l	99
47) Bromodichloromethane	9.67	83	994305	151.059	ug/l	99
48) Methyl methacrylate	9.46	41	370148	175.517	ug/l	99
49) 1,4-Dioxane	9.47	88	85294	3208.543	ug/l	94
51) 4-Methyl-2-Pentanone	10.24	43	1964857	838.516	ug/l	99
52) Toluene	10.41	92	1885318	155.482	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	962587	164.763	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	1157117	161.761	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	523973	148.754	ug/l	96
56) Ethyl methacrylate	10.67	69	656592	184.821	ug/l	100
57) 1,3-Dichloropropane	10.96	76	906271	155.334	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	1615509	865.928	ug/l	99
59) 2-Hexanone	10.99	43	1345346	863.905	ug/l	98
60) Dibromochloromethane	11.14	129	711365	151.637	ug/l	98
61) 1,2-Dibromoethane	11.25	107	519333	155.102	ug/l	99
64) Tetrachloroethene	10.88	164	701641	141.782	ug/l	98
65) Chlorobenzene	11.68	112	1997961	148.281	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	768584	149.736	ug/l	100
67) Ethyl Benzene	11.75	91	3544434	159.302	ug/l	99
68) m/p-Xylenes	11.86	106	2774403	316.060	ug/l	99
69) o-Xylene	12.19	106	1271723	168.126	ug/l	98
70) Styrene	12.20	104	2237523	167.317	ug/l	100
71) Bromoform	12.37	173	425498	147.807	ug/l #	100
73) Isopropylbenzene	12.48	105	3352118	165.910	ug/l	99
74) N-amyl acetate	12.30	43	713100	178.216	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	548282	147.624	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	389201m	91.352	ug/l	
77) Bromobenzene	12.77	156	852548	153.915	ug/l	98
78) n-propylbenzene	12.83	91	3879408	159.095	ug/l	99
79) 2-Chlorotoluene	12.91	91	2195857	157.129	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	2761341	162.156	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	190799	173.782	ug/l	98
82) 4-Chlorotoluene	13.01	91	2295186	152.589	ug/l	100
83) tert-Butylbenzene	13.23	119	2450969	172.127	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	2779214	164.233	ug/l	99
85) sec-Butylbenzene	13.41	105	3264986	161.141	ug/l	100
86) p-Isopropyltoluene	13.53	119	3108132	166.228	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	1583893	148.282	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	1537579	144.119	ug/l	100
89) n-Butylbenzene	13.86	91	2755733	163.309	ug/l	99
90) Hexachloroethane	14.13	117	588025	144.163	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	1354017	149.001	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	84847	148.102	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	985399	165.085	ug/l	99
94) Hexachlorobutadiene	15.28	225	612643	147.660	ug/l	100
95) Naphthalene	15.41	128	1659822	191.917	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	863598	167.142	ug/l	99

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

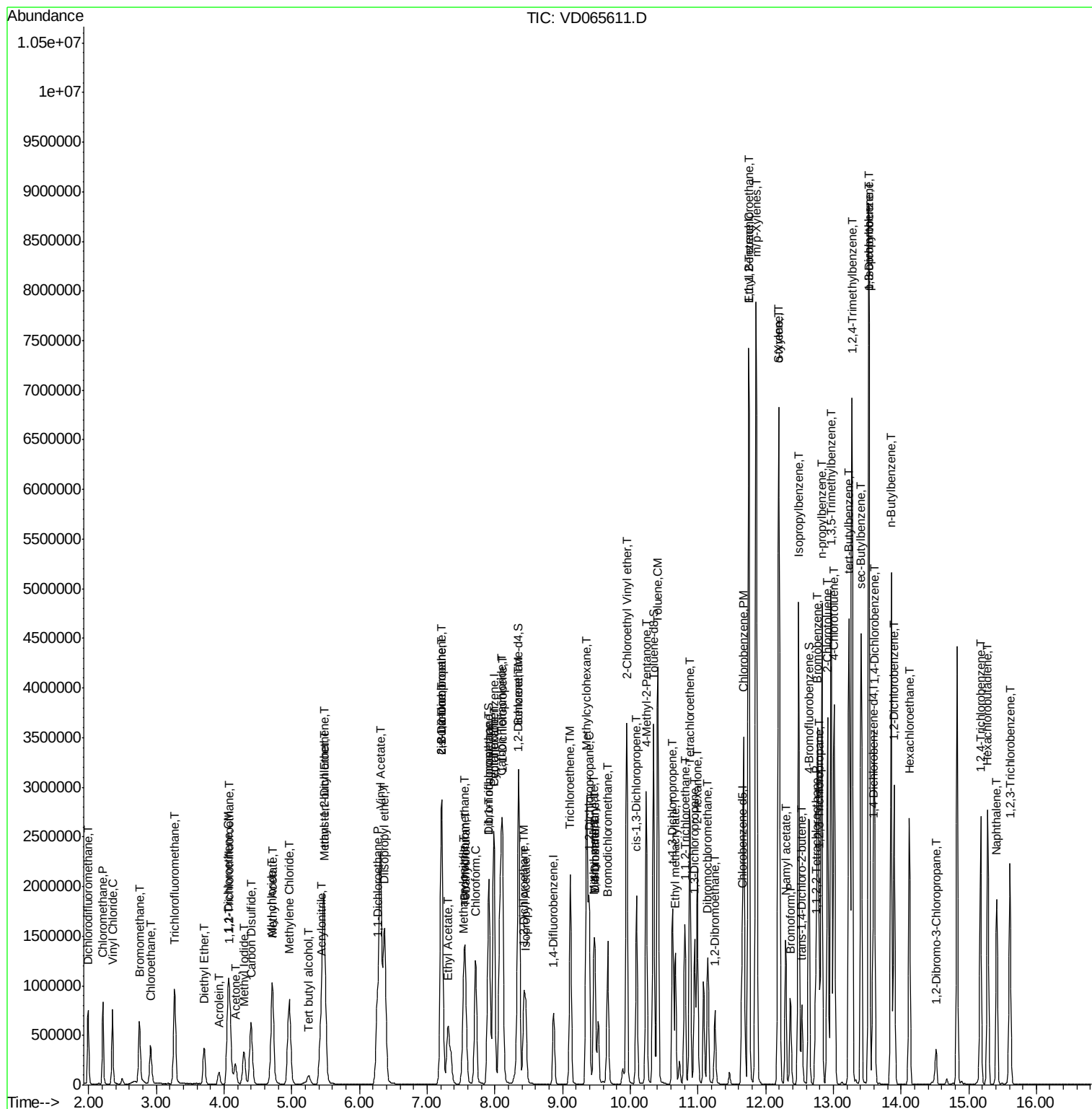
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040920\
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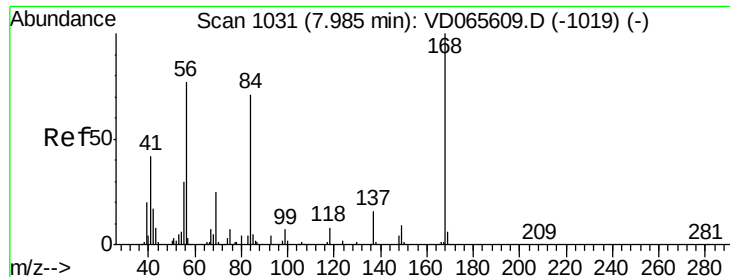
Instrument :
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ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 472752

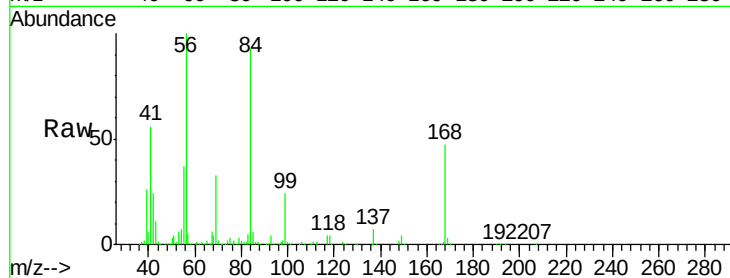
Ion Ratio Lower Upper

168 100

99 50.3 40.2 60.2

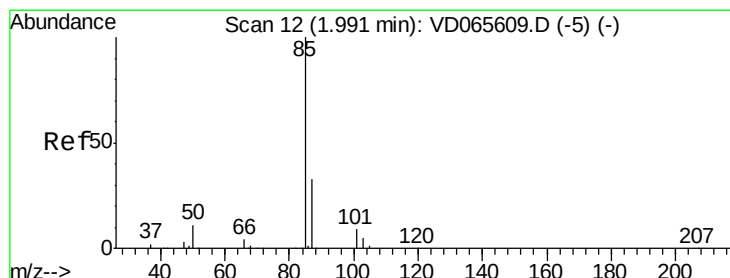
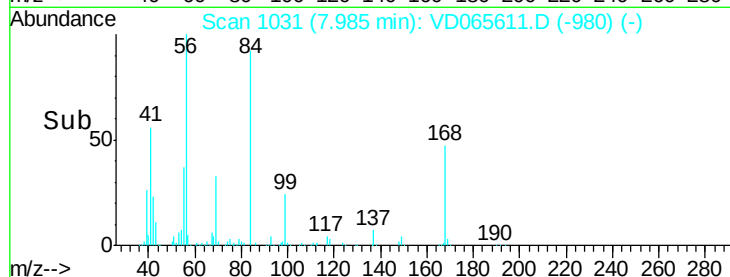
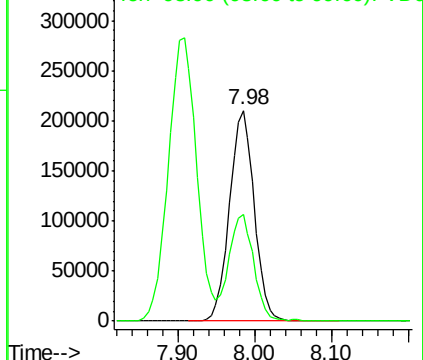
Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 138.880 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065611.D

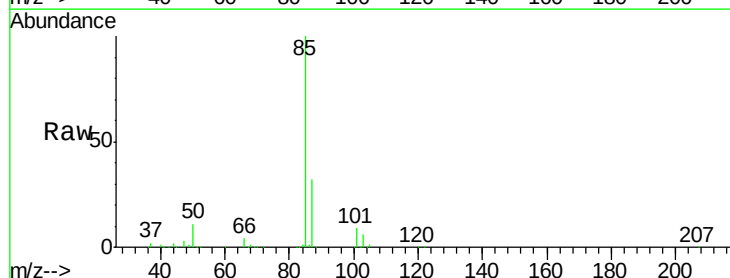
Acq: 09 Apr 2020 13:27

Tgt Ion: 85 Resp: 592044

Ion Ratio Lower Upper

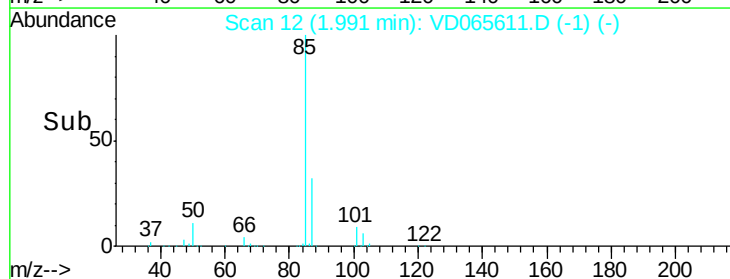
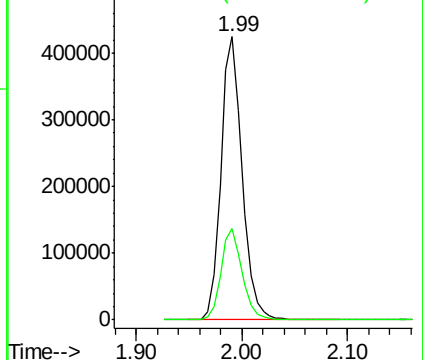
85 100

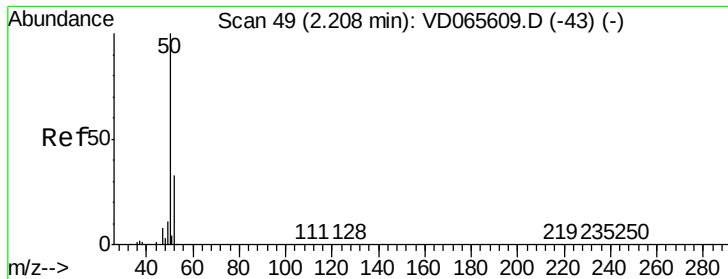
87 32.4 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 130.258 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 690524

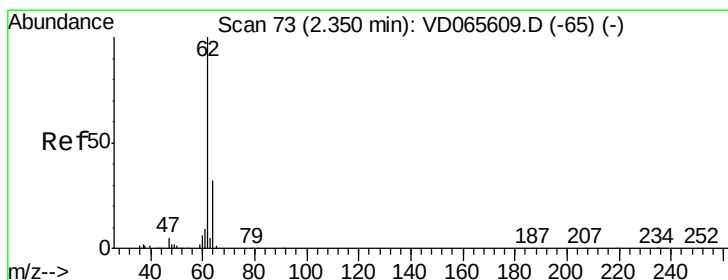
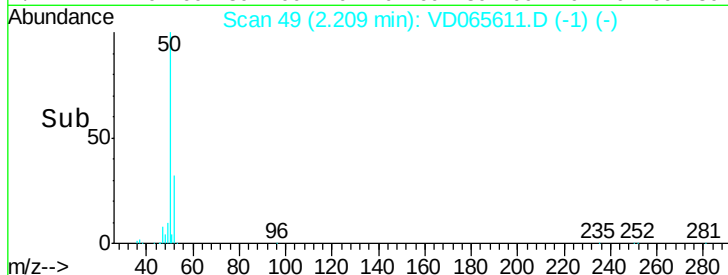
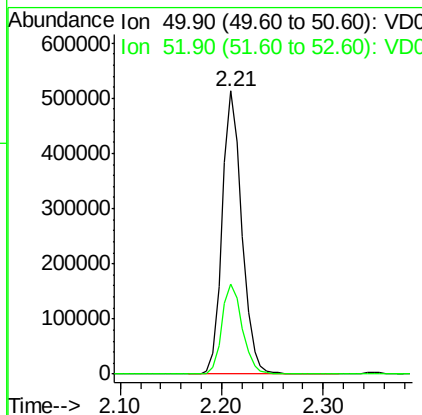
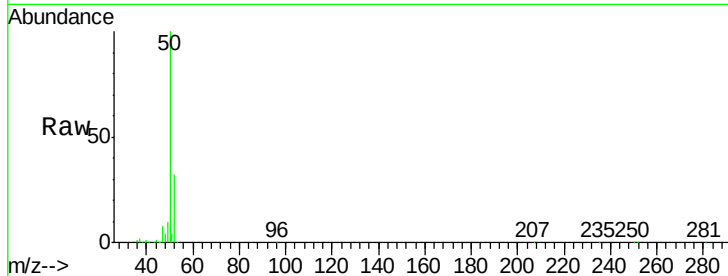
Ion Ratio Lower Upper

50 100

52 32.0 26.2 39.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 135.574 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065611.D

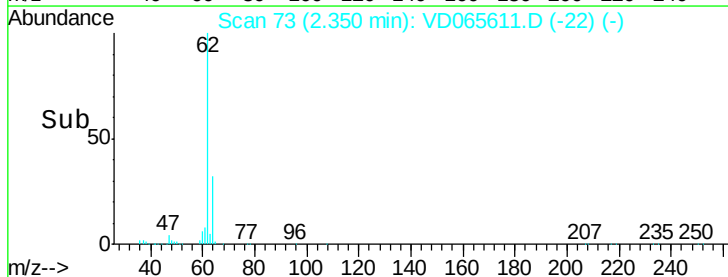
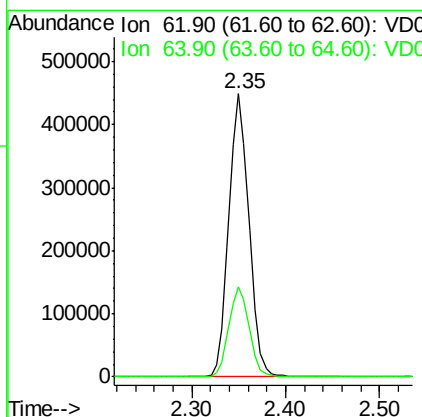
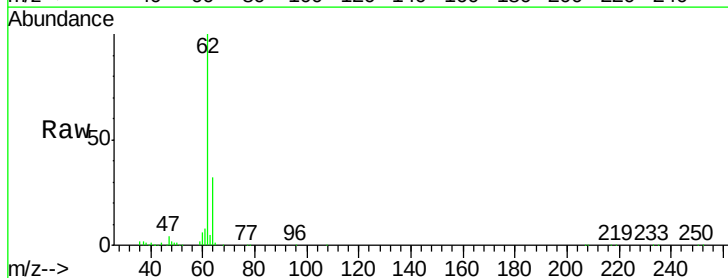
Acq: 09 Apr 2020 13:27

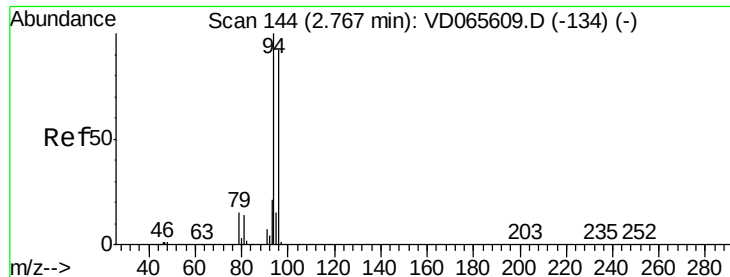
Tgt Ion: 62 Resp: 671964

Ion Ratio Lower Upper

62 100

64 31.9 25.8 38.6





#5

Bromomethane

Concen: 139.362 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC150

Tot Ion: 94 Resp: 487147

Ion Ratio Lower Upper

94 100

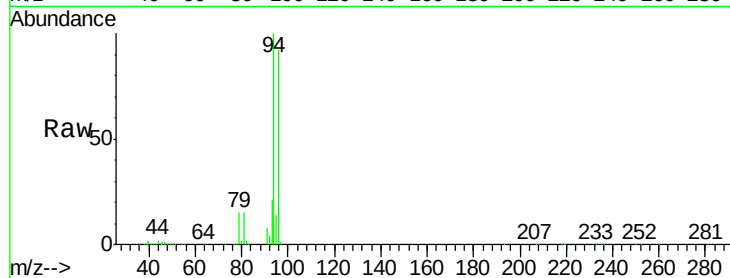
96 91.5 73.3 109.9

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.75

250000

200000

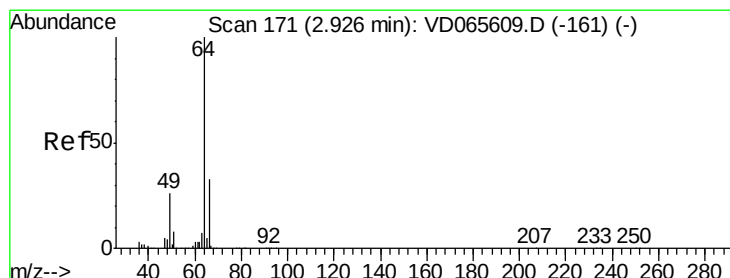
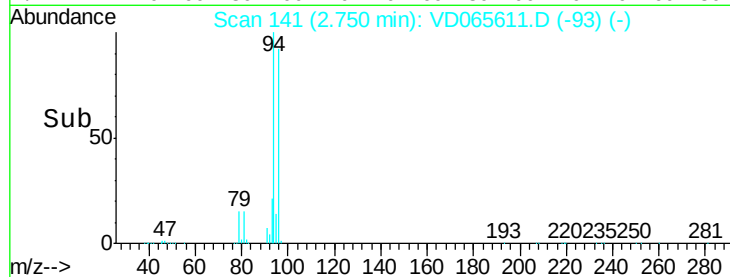
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 135.034 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065611.D

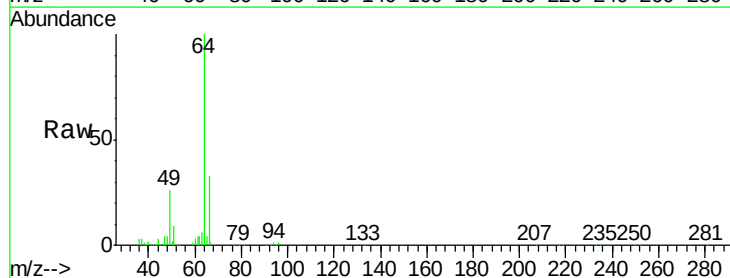
Acq: 09 Apr 2020 13:27

Tgt Ion: 64 Resp: 412173

Ion Ratio Lower Upper

64 100

66 33.2 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.91

200000

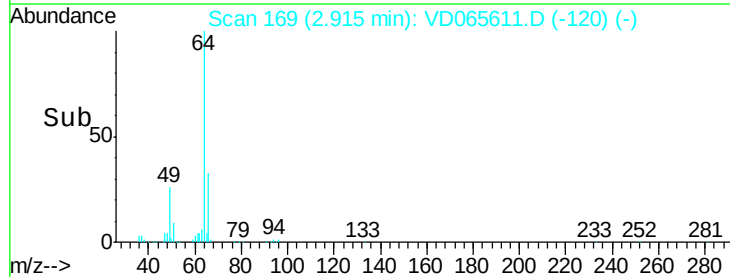
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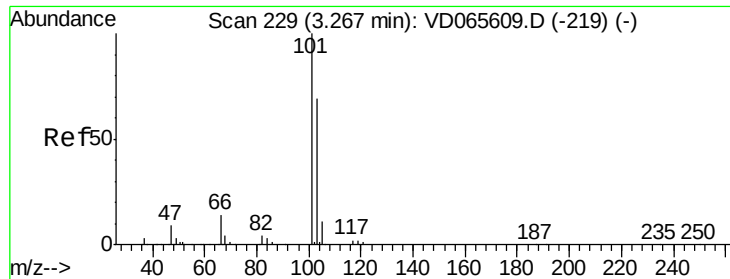
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Time-->





#7

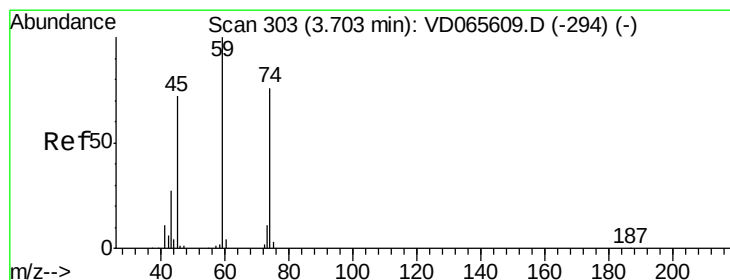
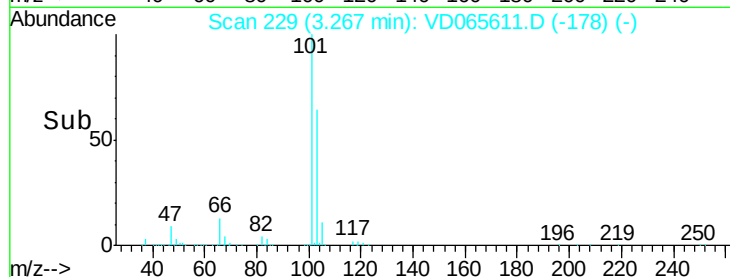
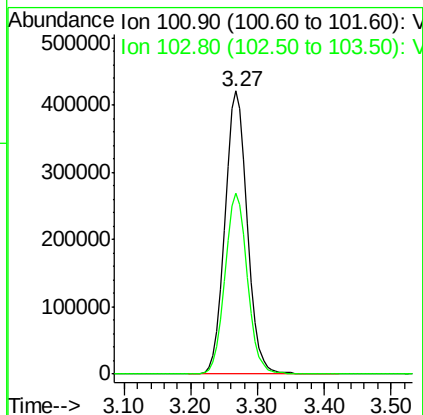
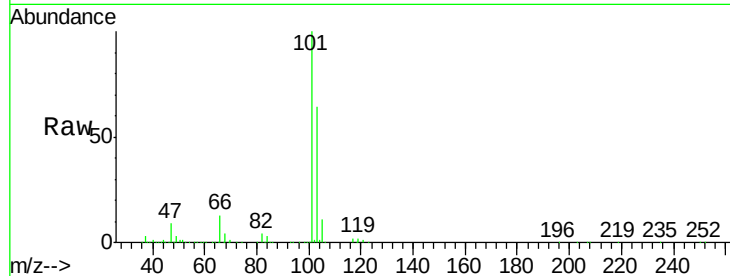
Trichlorofluoromethane
 Concen: 132.733 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD065611.D
 Acq: 09 Apr 2020 13:27

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	55.0	82.4

Manual Integrations
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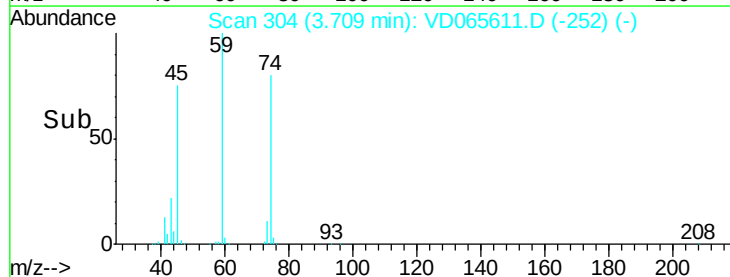
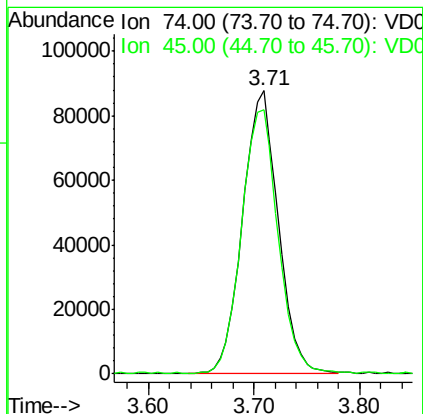
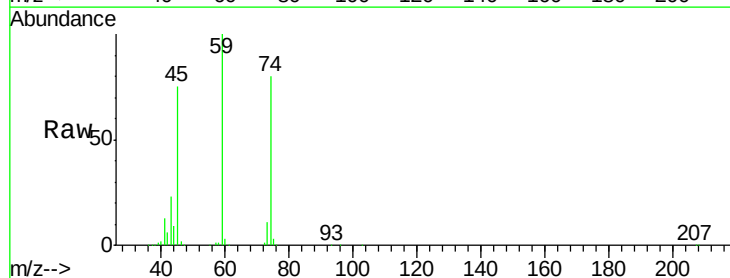
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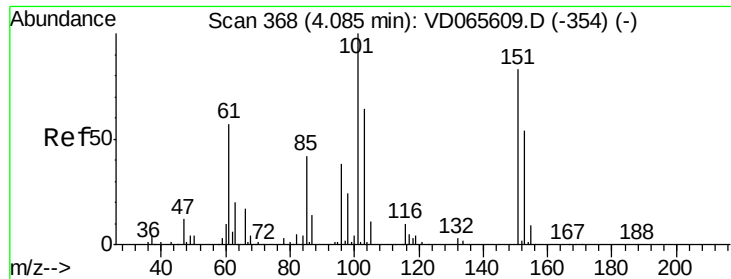


#8

Diethyl Ether
 Concen: 132.685 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD065611.D
 Acq: 09 Apr 2020 13:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.5	47.8	143.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 87.141 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065611.D

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MSVOA_D

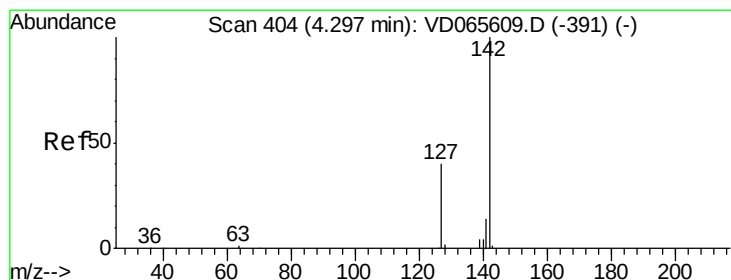
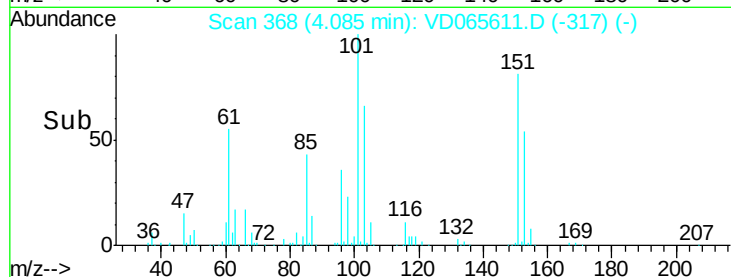
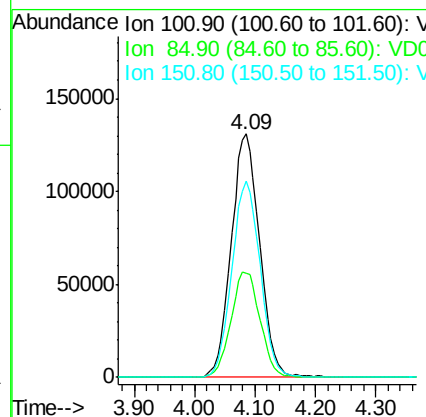
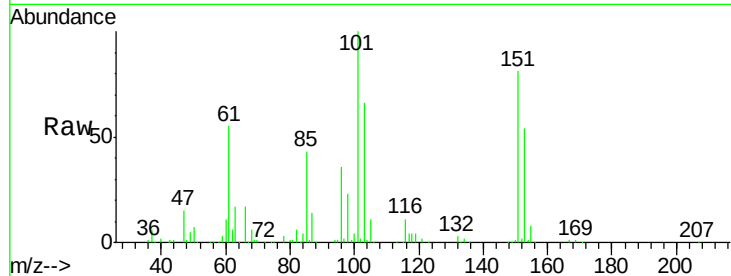
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	428239
Ion Ratio	Lower	Upper	
101	100		
85	44.2	33.8	50.6
151	80.6	65.0	97.4

Manual Integrations
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#10

Methyl Iodide

Concen: 115.165 ug/l

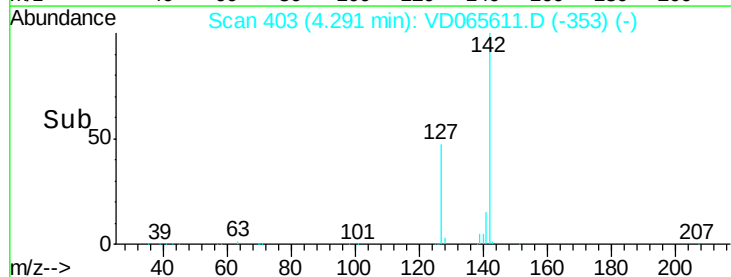
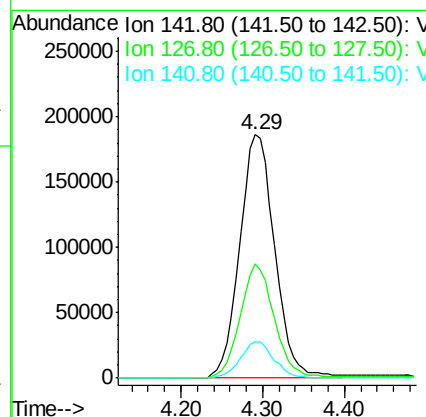
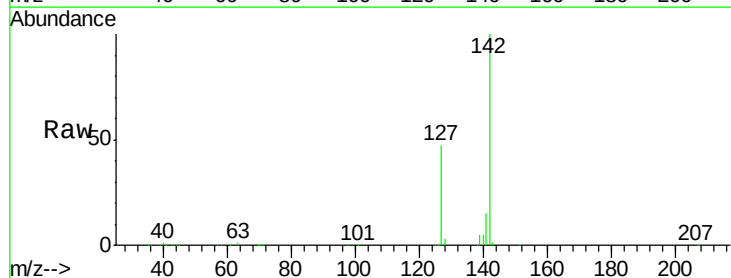
RT: 4.29 min Scan# 403

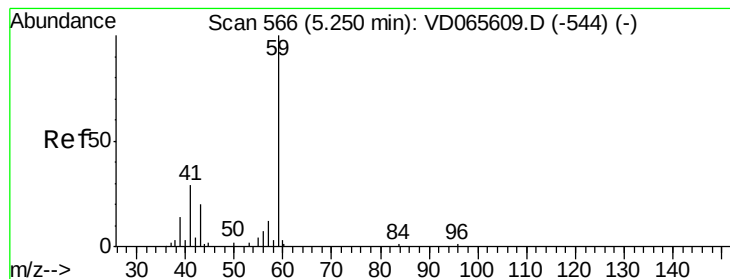
Delta R.T. -0.01 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

Tgt Ion:	142	Resp:	556932
Ion Ratio	Lower	Upper	
142	100		
127	45.5	34.6	51.8
141	14.3	11.7	17.5





#11

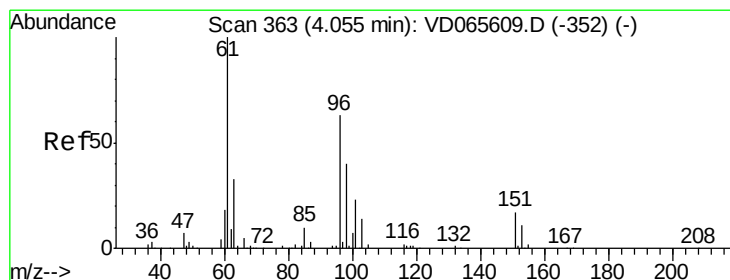
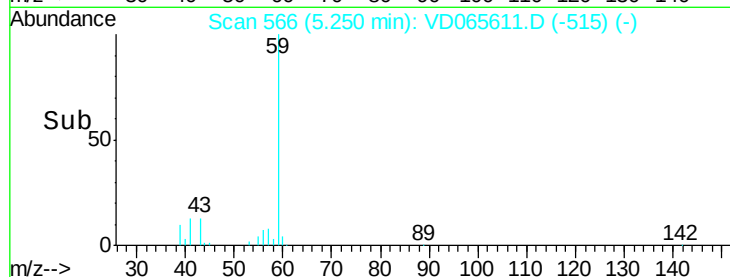
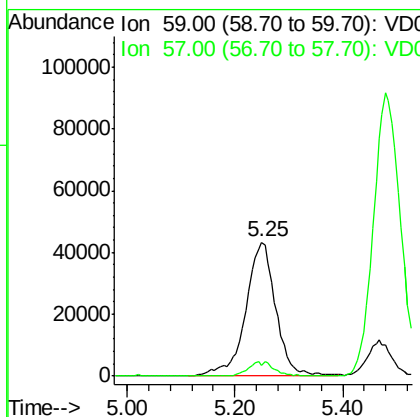
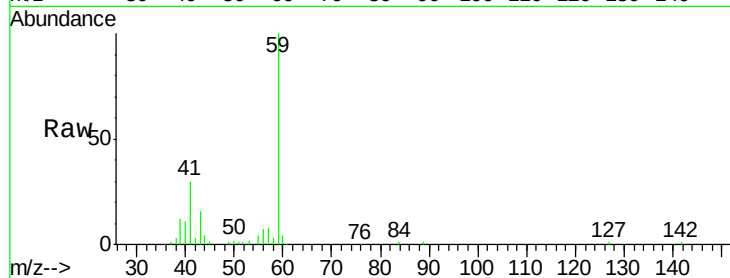
Tert butyl alcohol
 Concen: 733.877 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD065611.D
 Acq: 09 Apr 2020 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
59	100			
57	0.0	8.1	12.1	

Manual Integrations
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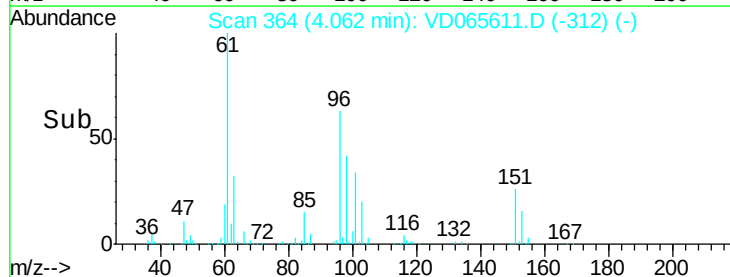
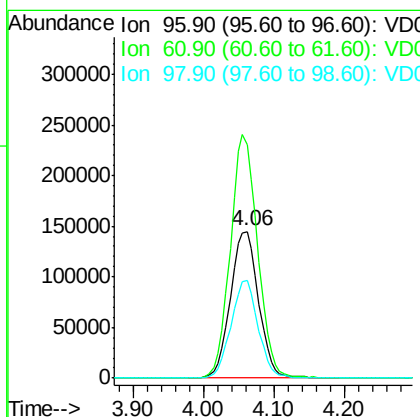
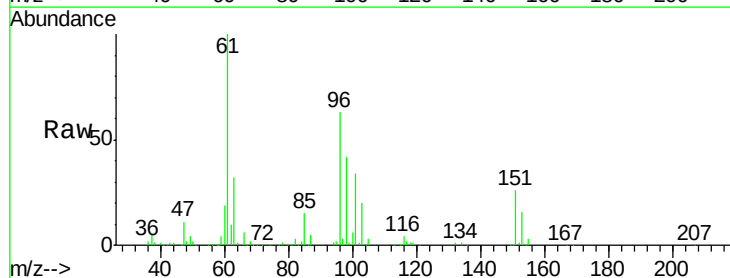
MMDadoda
 4/10/2020 2:58:58 PM

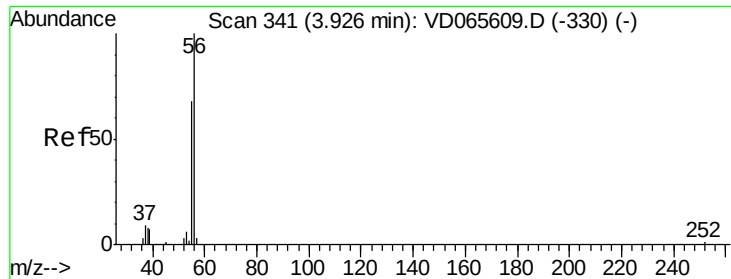


#12

1,1-Dichloroethene
 Concen: 88.432 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD065611.D
 Acq: 09 Apr 2020 13:27

Tgt Ion	Ion	Ratio	Lower	Upper
96	100			
61	159.7	126.6	190.0	
98	66.3	50.2	75.4	





#13

Acrolein

Concen: 461.681 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 144648

Ion Ratio Lower Upper

56 100

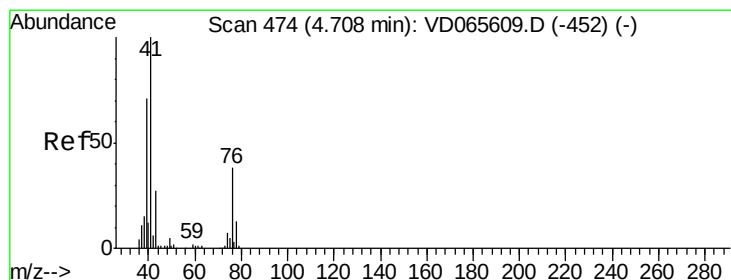
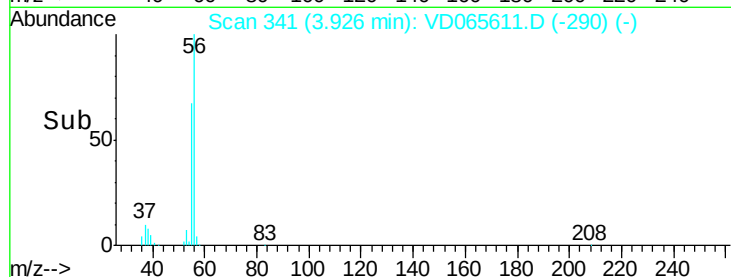
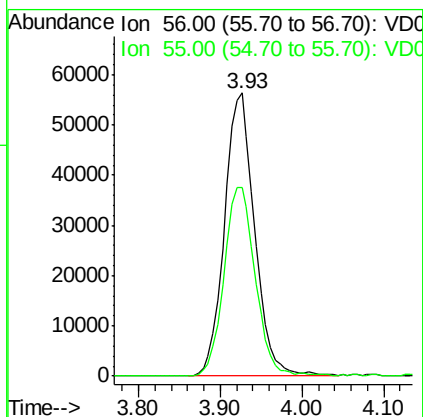
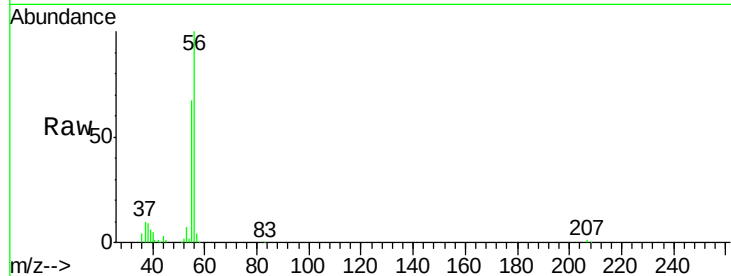
55 69.6 57.9 86.9

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 134.059 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

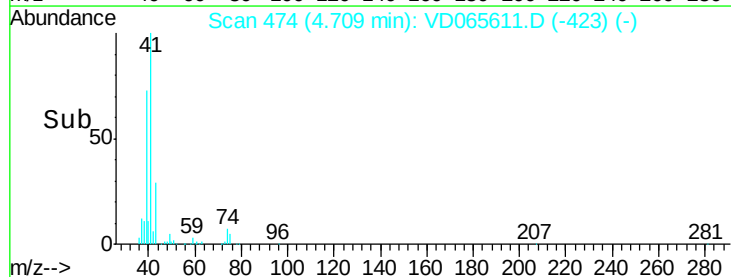
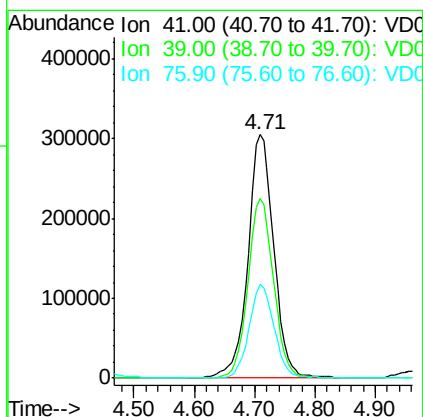
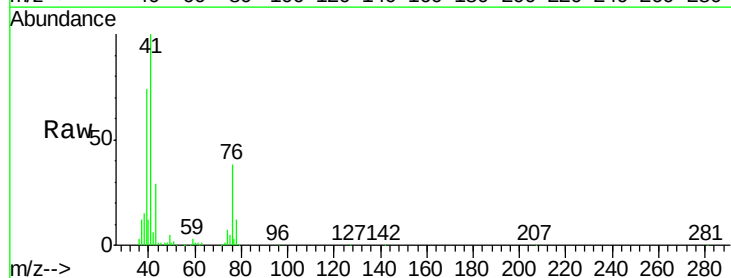
Tgt Ion: 41 Resp: 901340

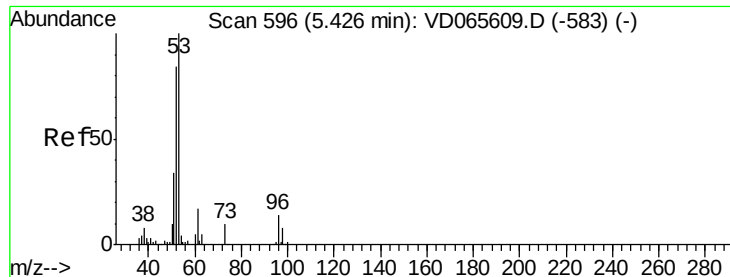
Ion Ratio Lower Upper

41 100

39 73.6 54.2 81.2

76 36.8 29.7 44.5





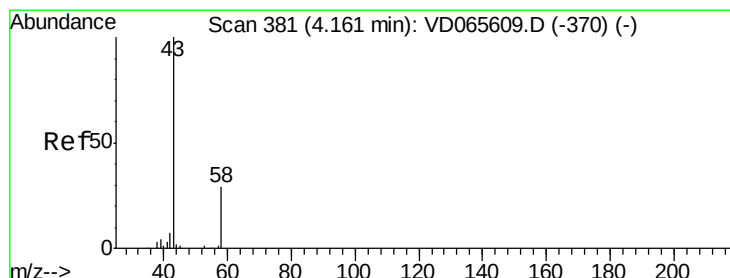
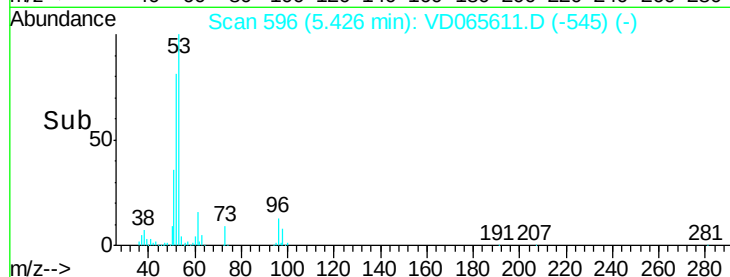
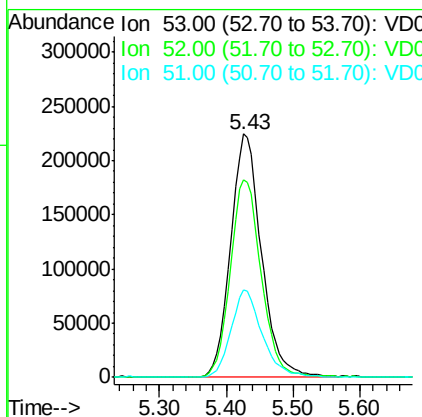
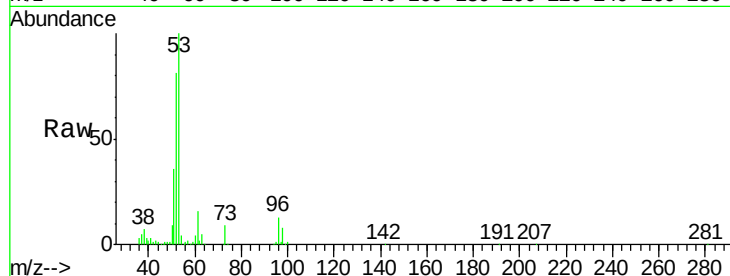
#15
 Acrylonitrile
 Concen: 791.510 ug/l
 RT: 5.43 min Scan# 596
 Delta R.T. 0.00 min
 Lab File: VD065611.D
 Acq: 09 Apr 2020 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:	53	Resp:	724980
Ion Ratio	Lower	Upper	
53	100		
52	81.2	65.3	97.9
51	36.4	29.5	44.3

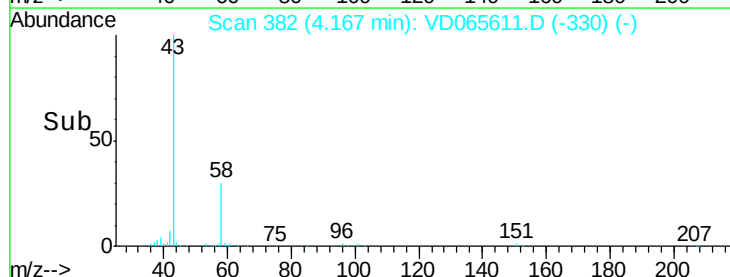
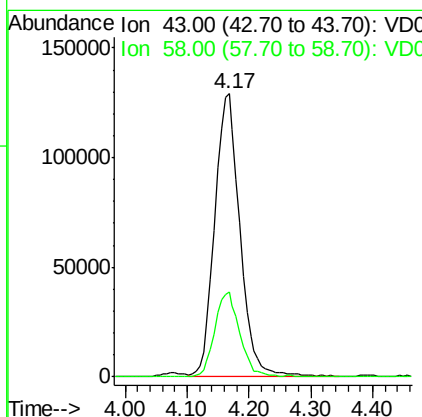
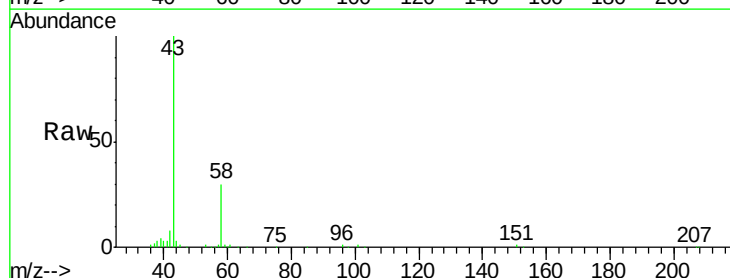
Manual Integrations
 APPROVED

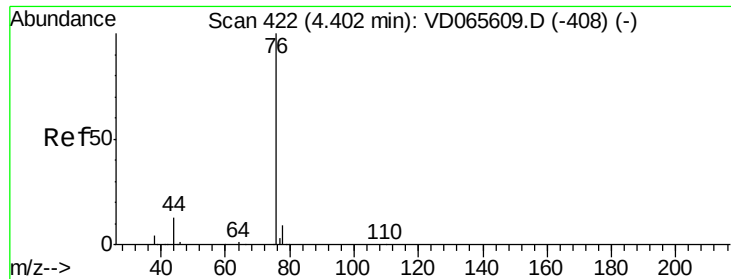
MMDadoda
 4/10/2020 2:58:58 PM



#16
 Acetone
 Concen: 450.880 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD065611.D
 Acq: 09 Apr 2020 13:27

Tgt Ion:	43	Resp:	364026
Ion Ratio	Lower	Upper	
43	100		
58	29.9	23.2	34.8





#17

Carbon Disulfide

Concen: 87.943 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1326284

Ion Ratio Lower Upper

76 100

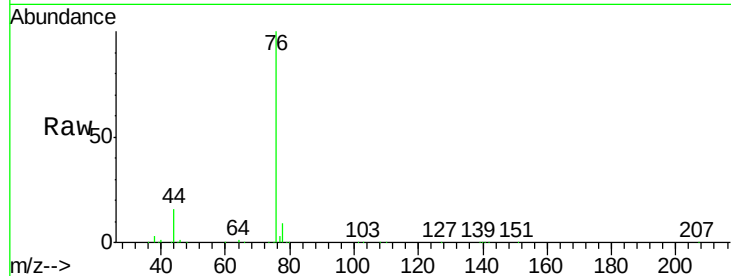
78 9.1 7.3 10.9

Manual Integrations

APPROVED

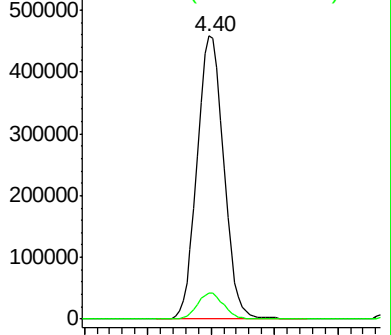
MMDadoda

4/10/2020 2:58:58 PM

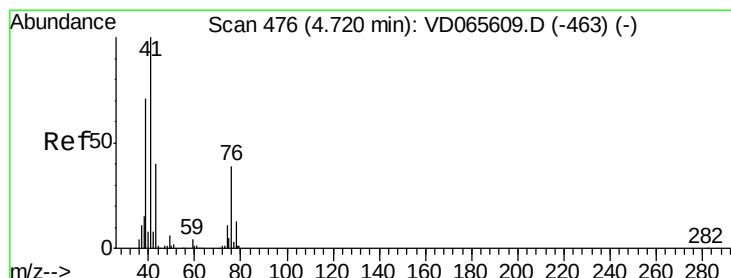
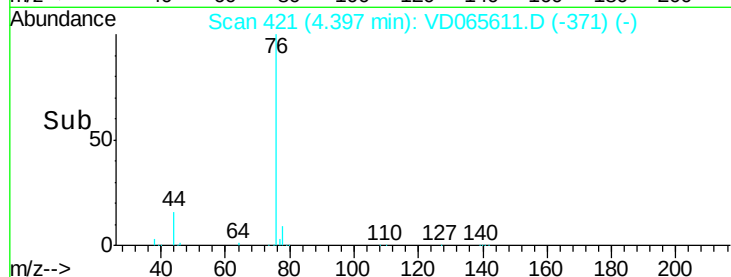


Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



Time--> 4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 142.080 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD065611.D

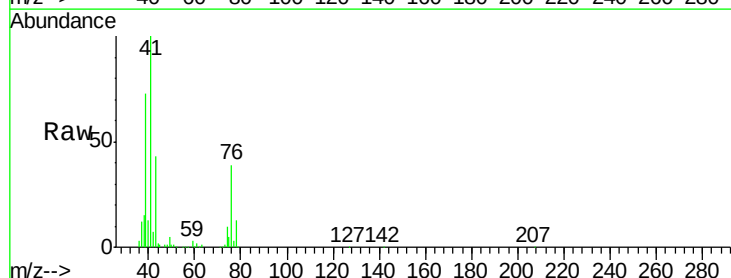
Acq: 09 Apr 2020 13:27

Tgt Ion: 43 Resp: 336701

Ion Ratio Lower Upper

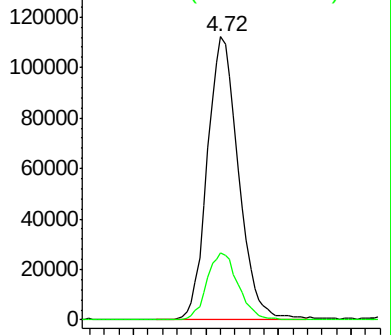
43 100

74 23.7 20.2 30.2

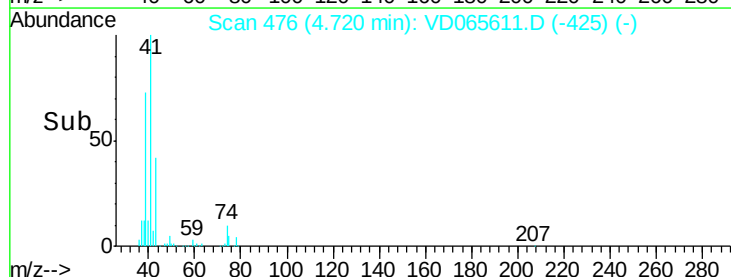


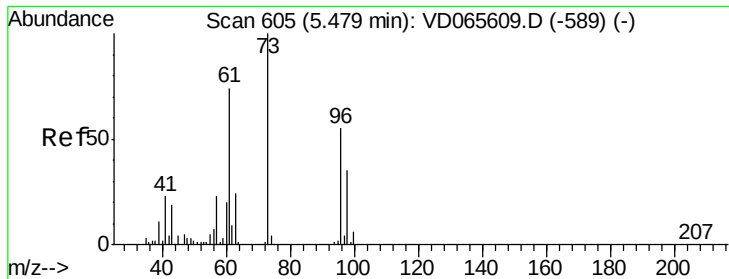
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



Time--> 4.60 4.70 4.80 4.90





#19

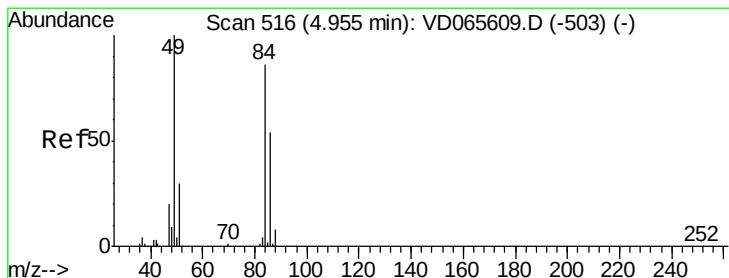
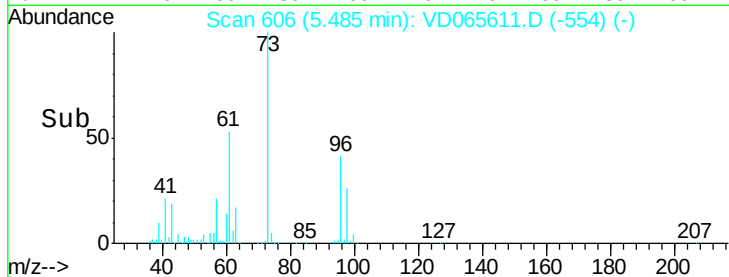
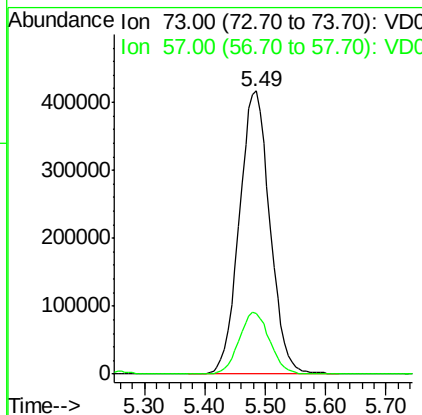
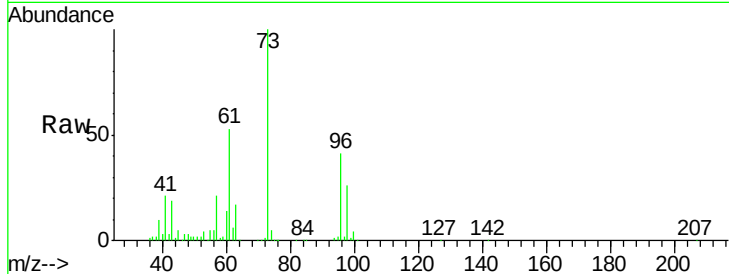
Methyl tert-butyl Ether
 Concen: 167.000 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD065611.D
 Acq: 09 Apr 2020 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 73 Resp: 1463314
 Ion Ratio Lower Upper
 73 100
 57 21.4 18.2 27.2

Manual Integrations
 APPROVED

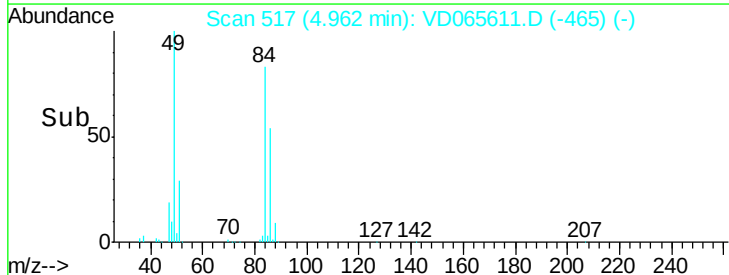
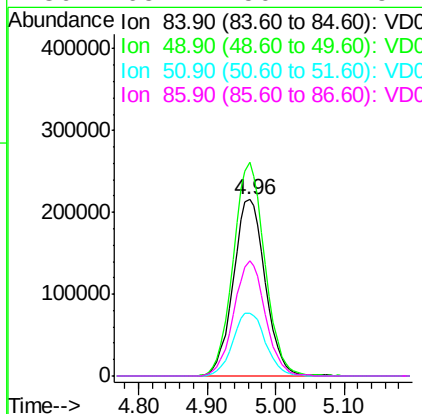
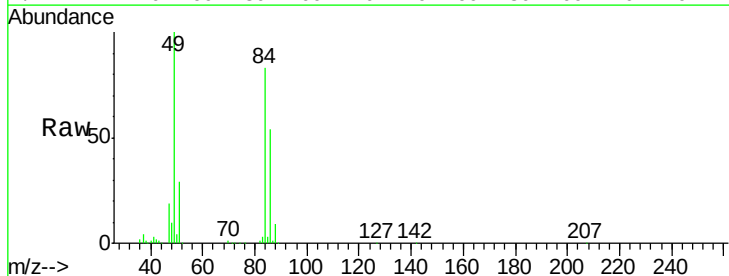
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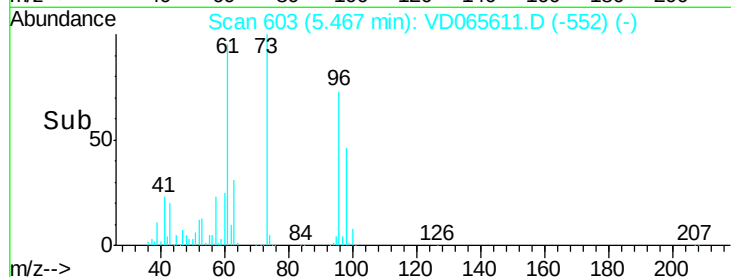
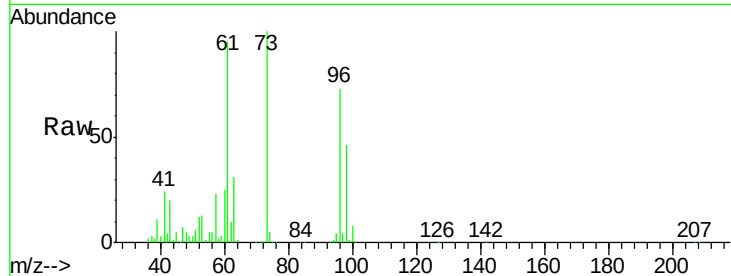
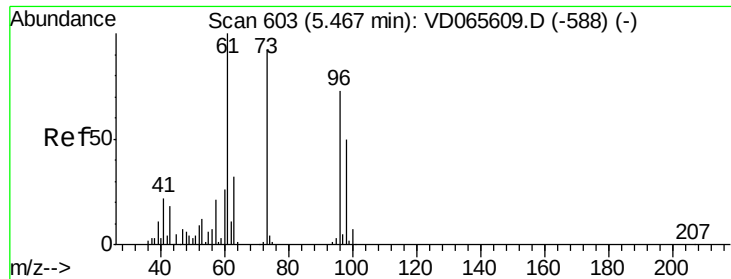


#20

Methylene Chloride
 Concen: 131.158 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: VD065611.D
 Acq: 09 Apr 2020 13:27

Tgt Ion: 84 Resp: 699991
 Ion Ratio Lower Upper
 84 100
 49 121.0 93.4 140.2
 51 35.5 28.5 42.7
 86 65.4 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 146.806 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065611.D

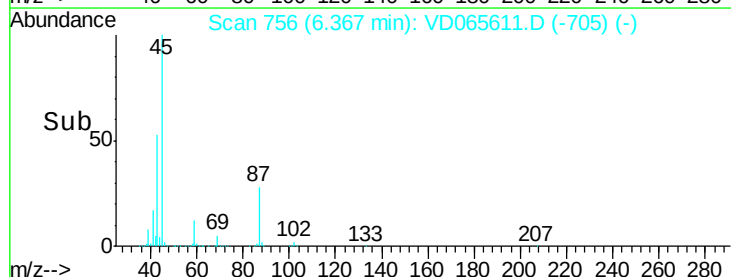
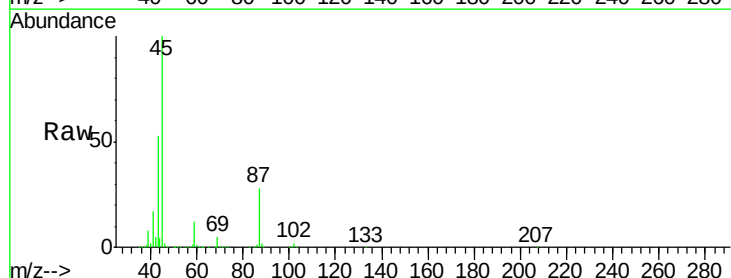
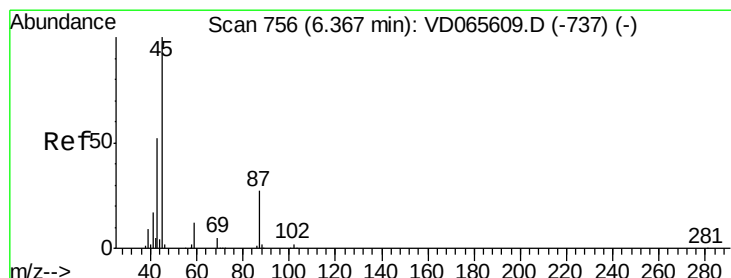
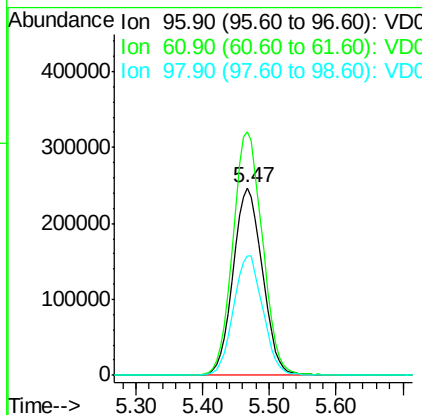
Acq: 09 Apr 2020 13:27

Tot Ion:	96	Resp:	755201
Ion	Ratio	Lower	Upper
96	100		
61	129.8	109.8	164.6
98	63.5	54.8	82.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Manual Integrations
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4/10/2020 2:58:58 PM



#22

Diisopropyl ether

Concen: 160.687 ug/l

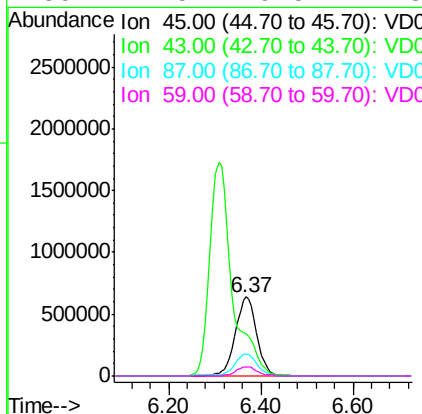
RT: 6.37 min Scan# 756

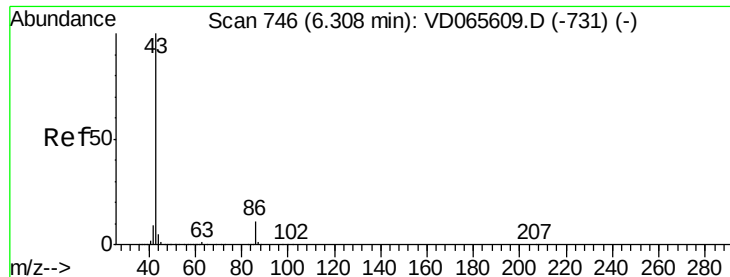
Delta R.T. 0.00 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

Tgt Ion:	45	Resp:	2076663
Ion	Ratio	Lower	Upper
45	100		
43	53.0	42.5	63.7
87	28.1	22.3	33.5
59	11.5	9.5	14.3





#23

Vinyl Acetate

Concen: 889.003 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 5903663

Ion Ratio Lower Upper

43 100

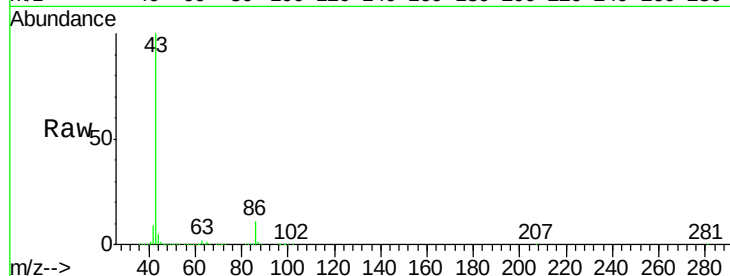
86 11.2 9.1 13.7

Manual Integrations

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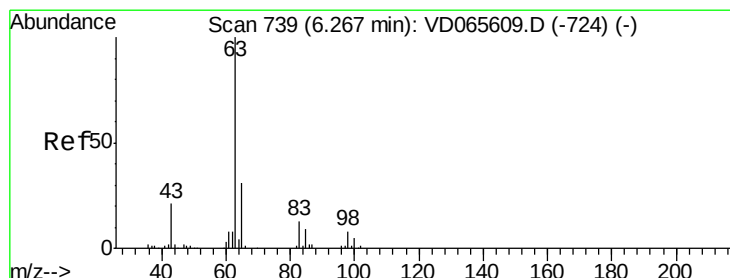
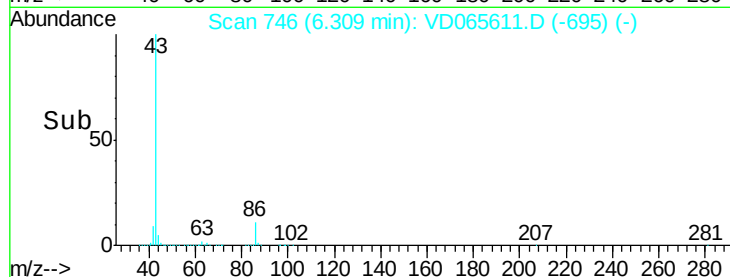
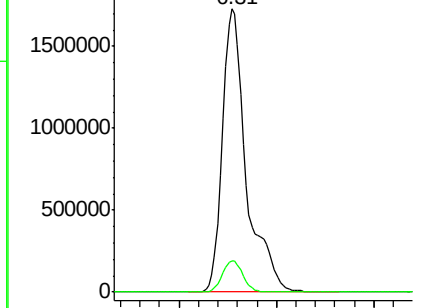
MMDadoda

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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: 142.312 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

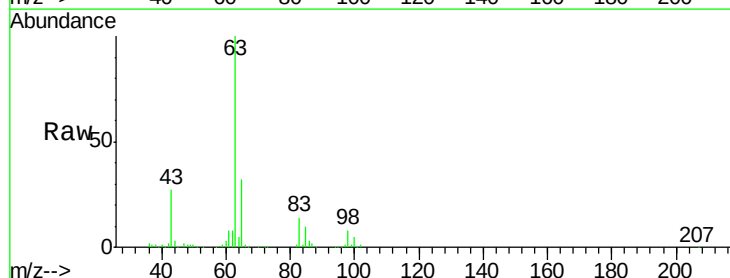
Tgt Ion: 63 Resp: 1223596

Ion Ratio Lower Upper

63 100

98 7.6 4.0 11.9

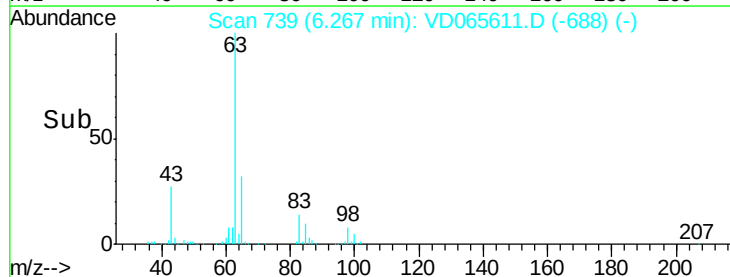
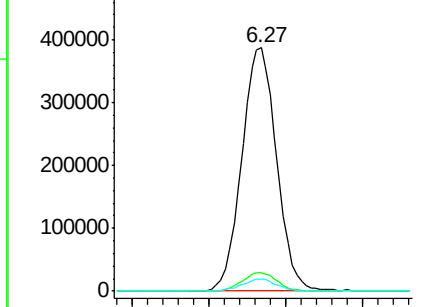
100 4.7 2.6 7.8

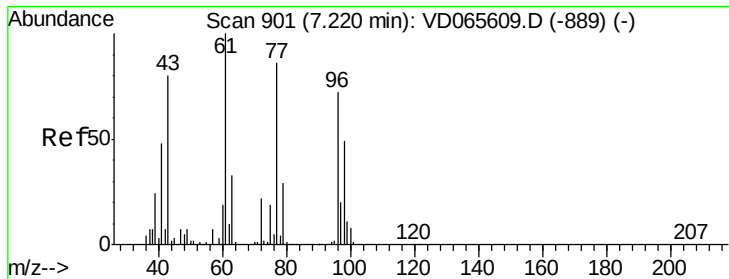


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 782.056 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 864234

Ion Ratio Lower Upper

43 100

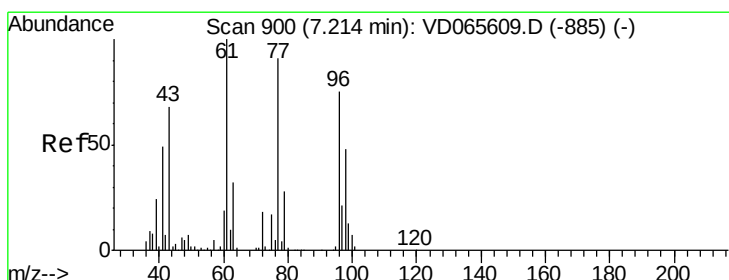
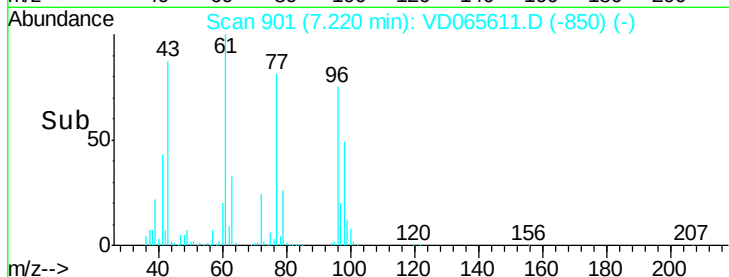
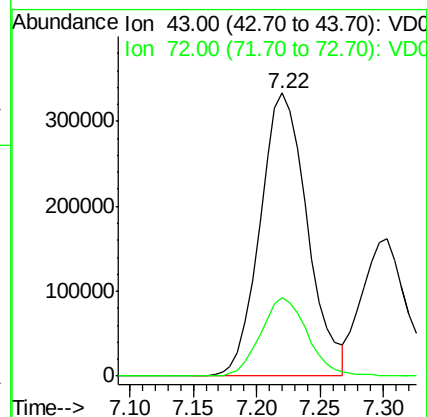
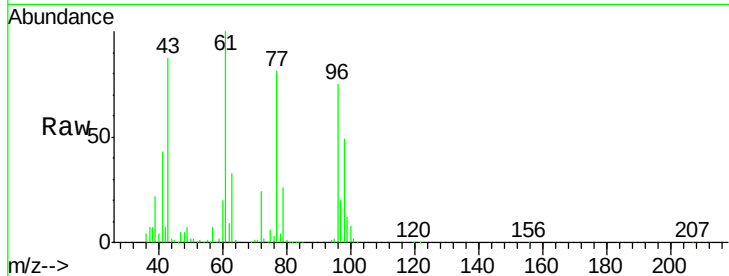
72 27.6 22.5 33.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 138.353 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065611.D

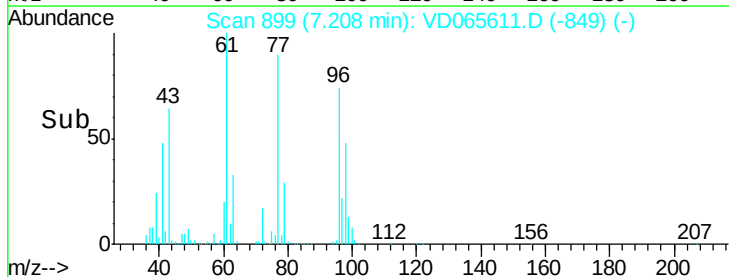
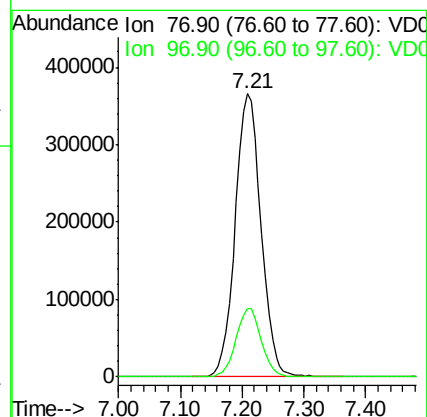
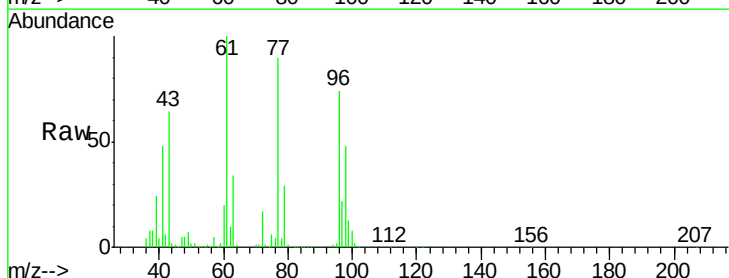
Acq: 09 Apr 2020 13:27

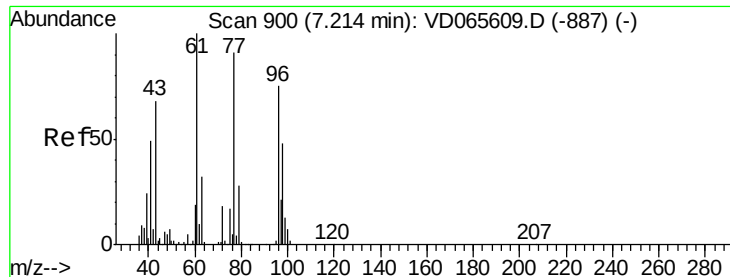
Tgt Ion: 77 Resp: 1064557

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.1





#27

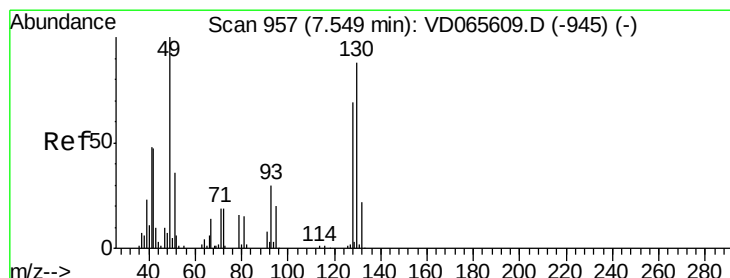
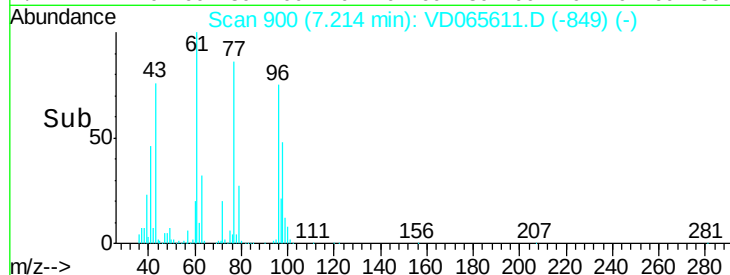
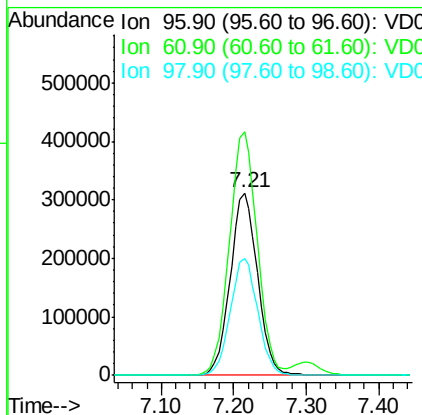
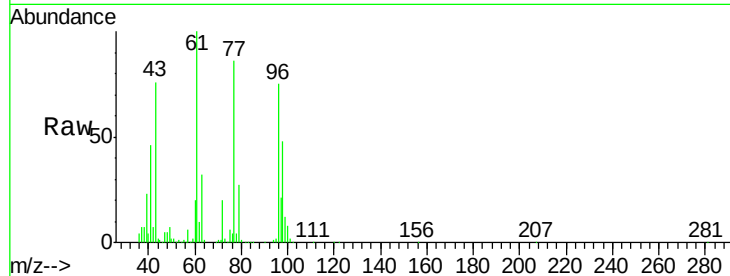
cis-1,2-Dichloroethene
 Concen: 154.958 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065611.D
 Acq: 09 Apr 2020 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	136.5	0.0	279.0	
98	64.5	0.0	130.2	

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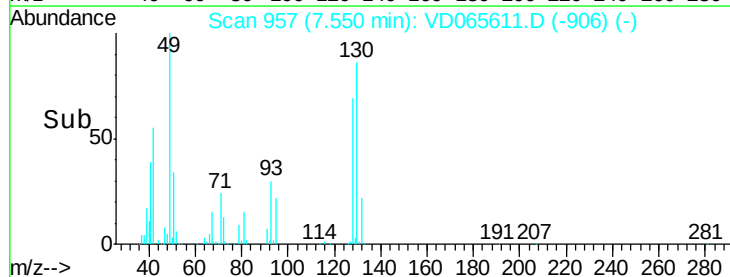
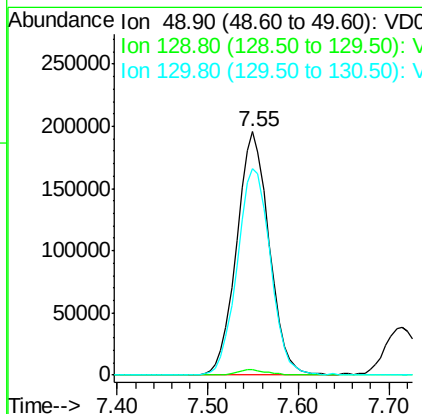
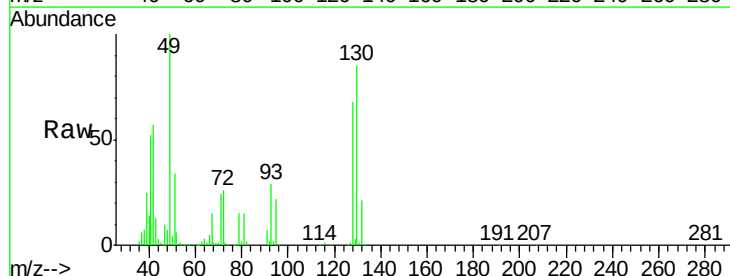
MMDadoda
 4/10/2020 2:58:58 PM

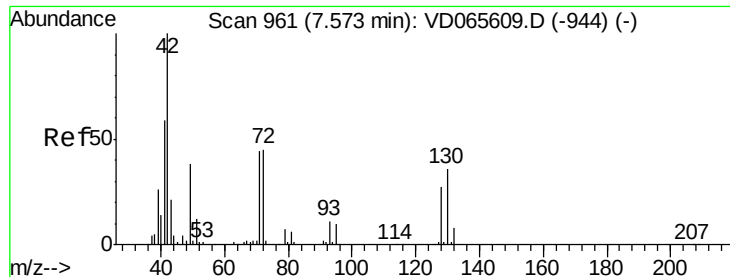


#28

Bromochloromethane
 Concen: 141.281 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065611.D
 Acq: 09 Apr 2020 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.8	
130	87.4	69.4	104.2	





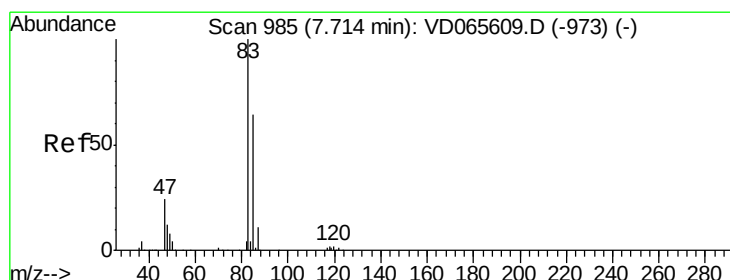
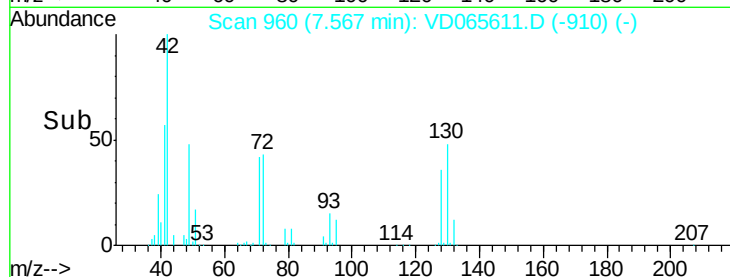
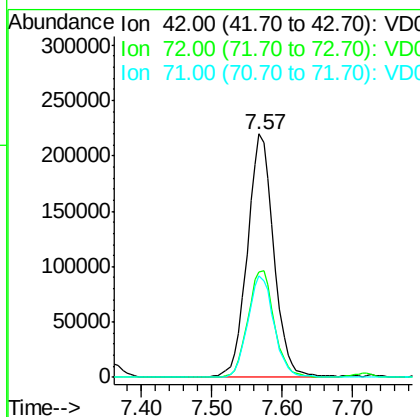
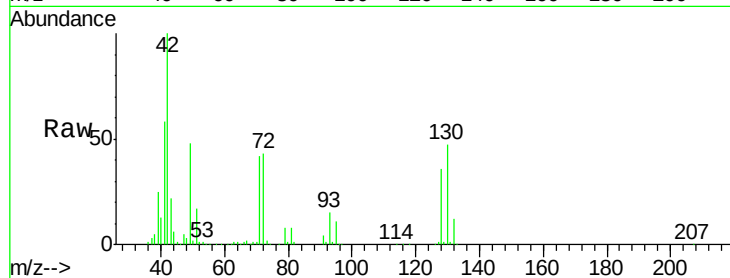
#29
Tetrahydrofuran
Concen: 821.984 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065611.D
Acq: 09 Apr 2020 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:	42	Resp:	570813
Ion	Ratio	Lower	Upper
42	100		
72	44.0	35.3	52.9
71	41.5	33.1	49.7

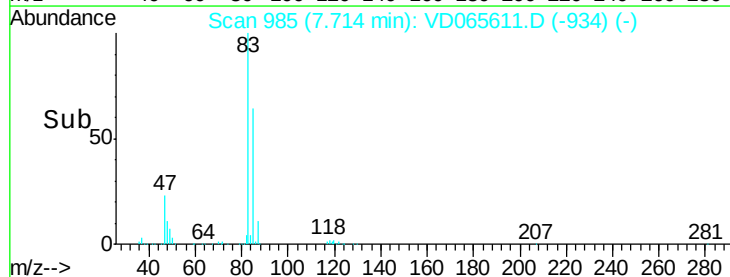
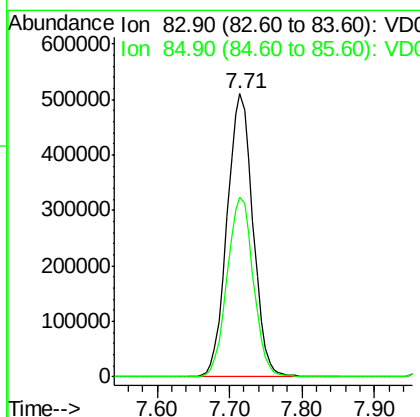
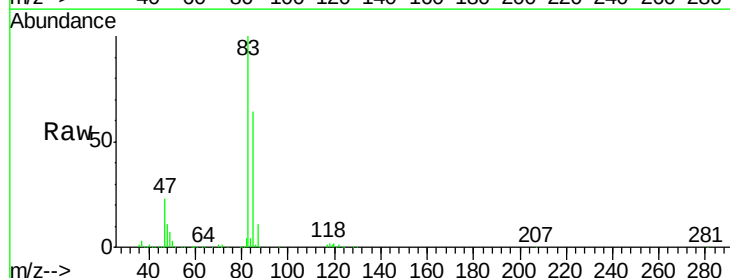
Manual Integrations
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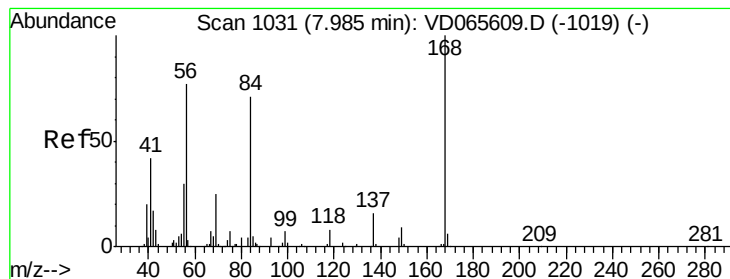
MMDadoda
4/10/2020 2:58:58 PM



#30
Chloroform
Concen: 140.795 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065611.D
Acq: 09 Apr 2020 13:27

Tgt Ion:	83	Resp:	1267554
Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.9	76.3





#31

Cyclohexane

Concen: 140.368 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 1119564

Ion Ratio Lower Upper

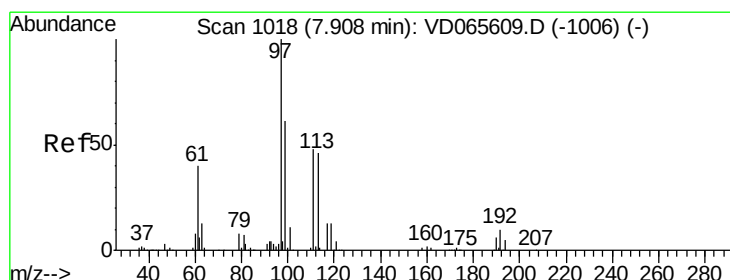
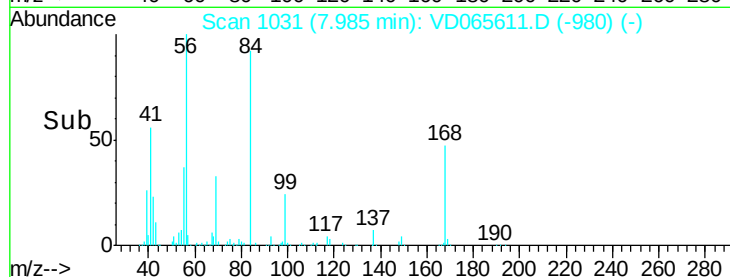
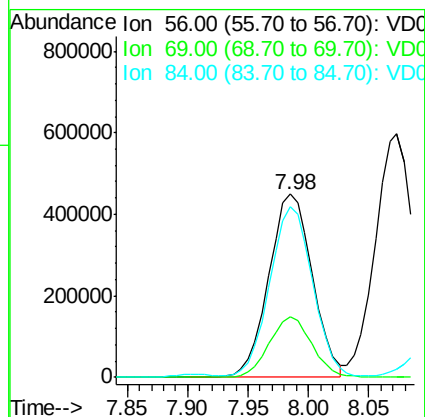
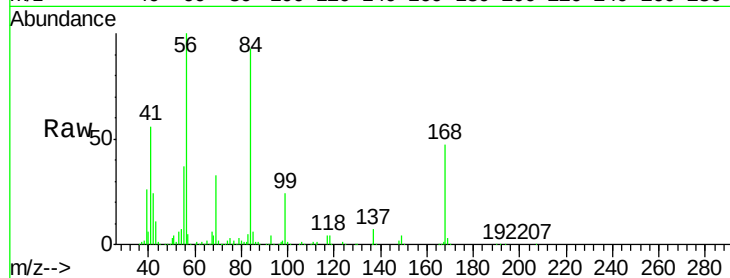
56 100

69 32.9 26.2 39.4

84 91.5 73.7 110.5

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 140.032 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

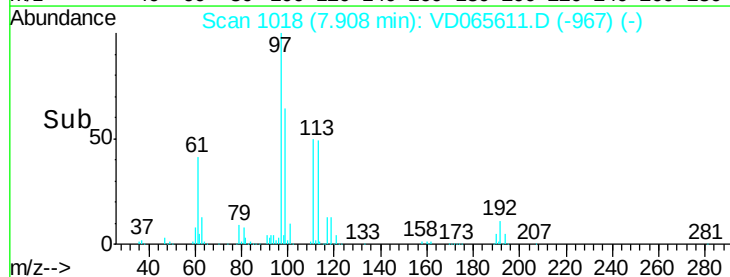
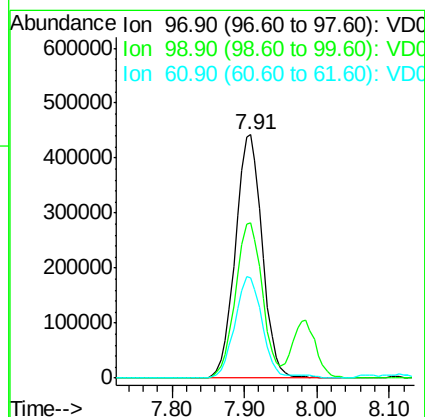
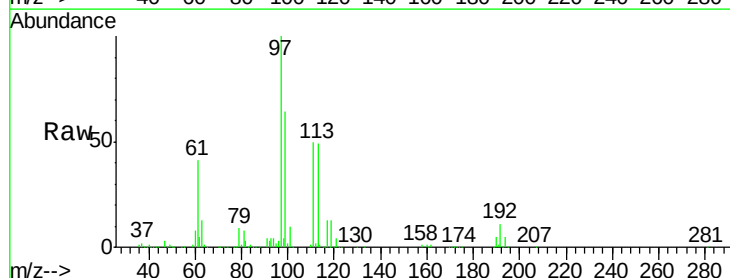
Tgt Ion: 97 Resp: 1139314

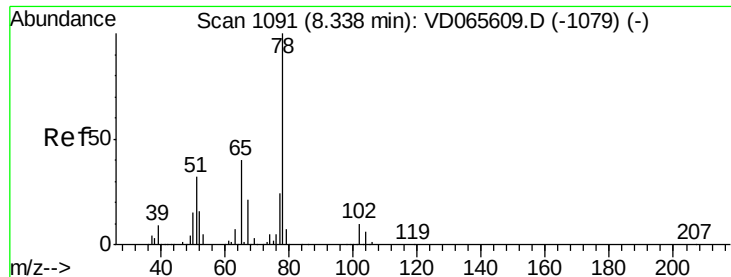
Ion Ratio Lower Upper

97 100

99 64.1 50.2 75.2

61 42.2 33.5 50.3





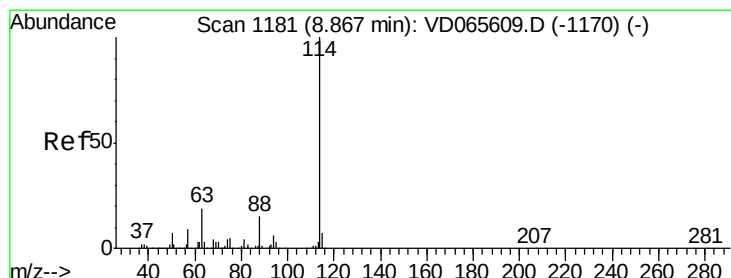
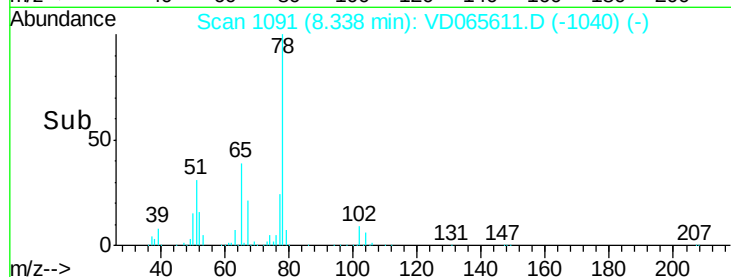
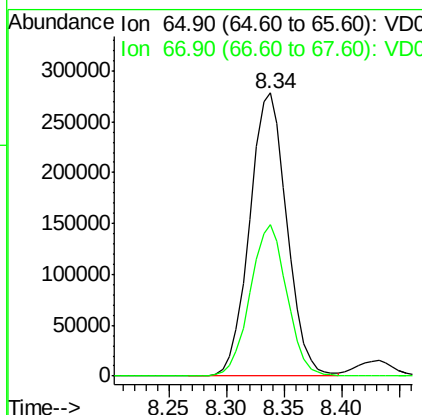
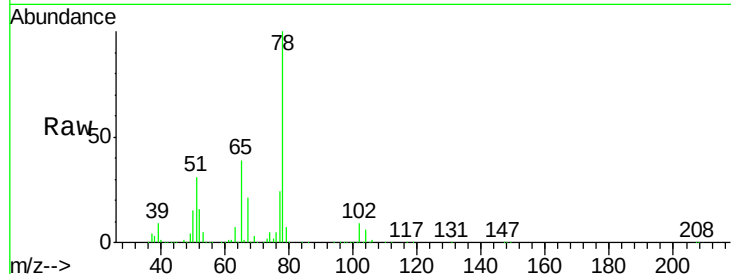
#33
 1,2-Dichloroethane-d4
 Concen: 139.928 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065611.D
 Acq: 09 Apr 2020 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	625630		
67	53.1	0.0	107.6	

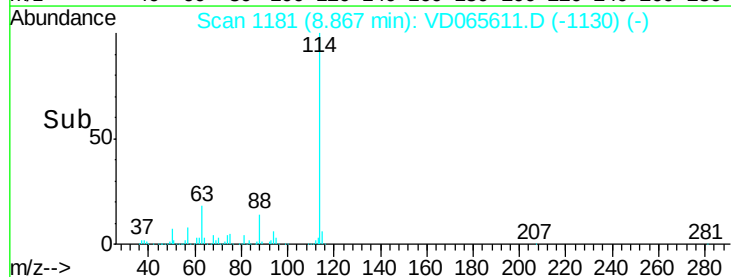
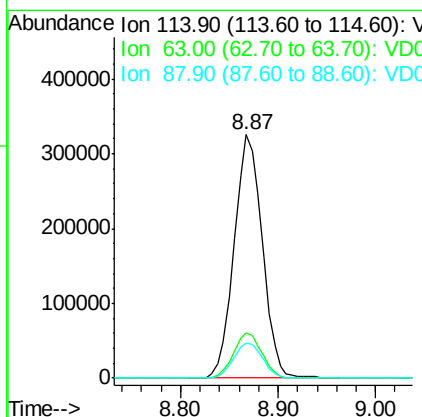
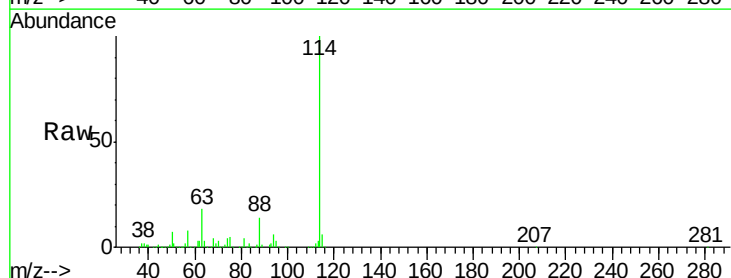
Manual Integrations
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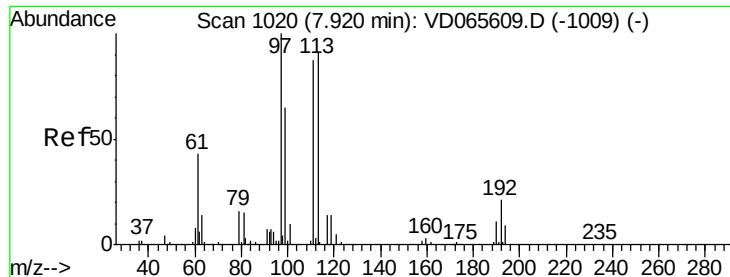
MMDadoda
 4/10/2020 2:58:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065611.D
 Acq: 09 Apr 2020 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	651968		
63	18.4	0.0	38.2	
88	14.3	0.0	29.6	





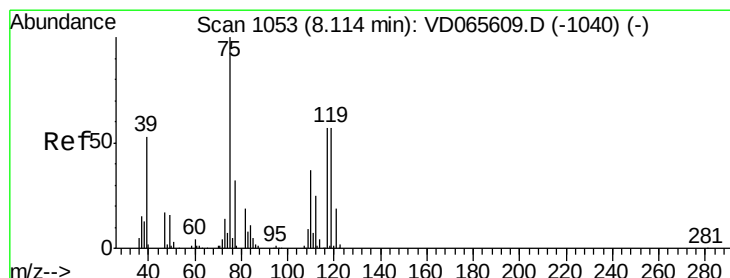
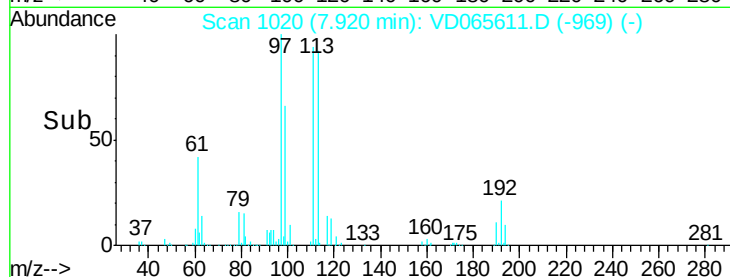
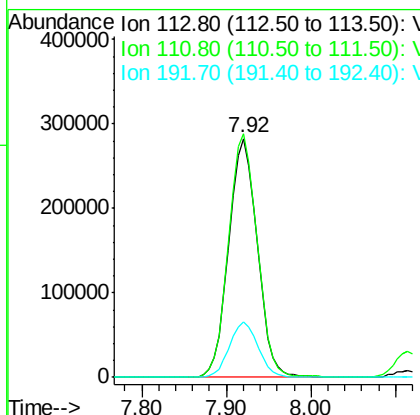
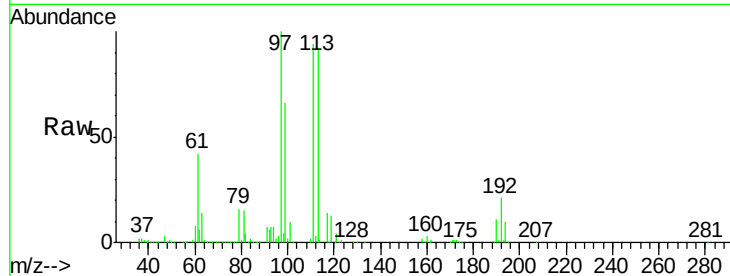
#35
 Dibromofluoromethane
 Concen: 145.178 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065611.D
 Acq: 09 Apr 2020 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	80.6	120.8
192	23.2	18.6	27.8

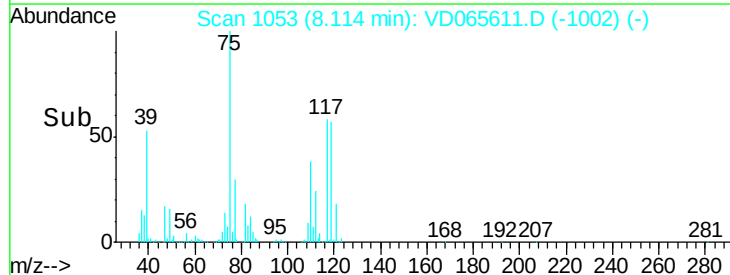
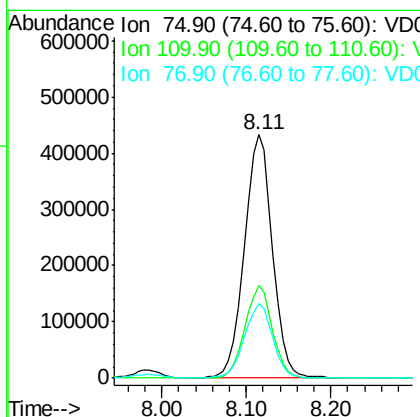
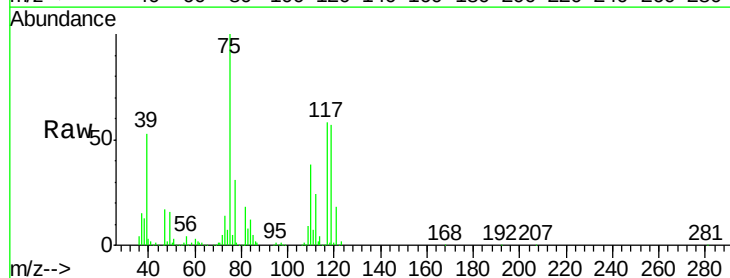
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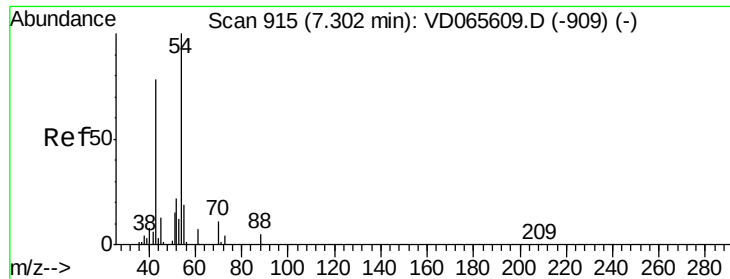
MMDadoda
 4/10/2020 2:58:58 PM



#36
 1,1-Dichloropropene
 Concen: 148.451 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065611.D
 Acq: 09 Apr 2020 13:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.3	18.3	54.9
77	30.8	25.0	37.6





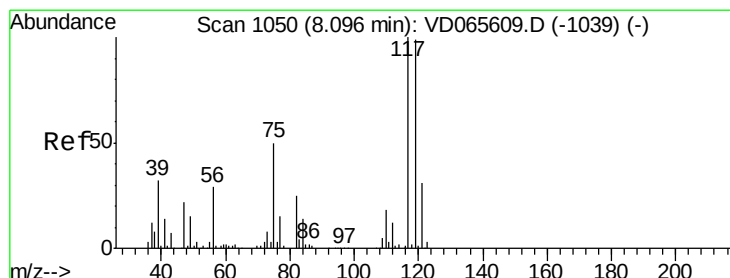
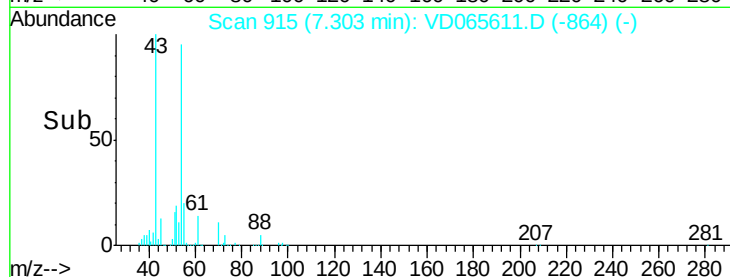
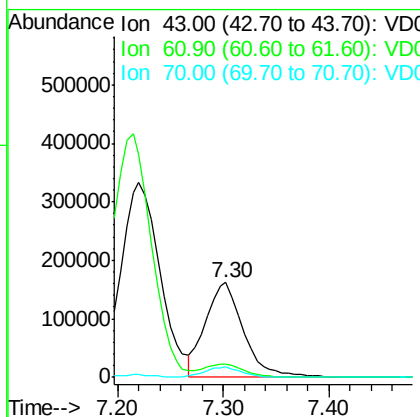
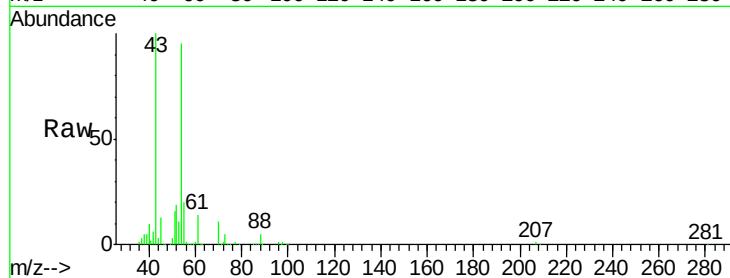
#37
Ethyl Acetate
Concen: 160.230 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065611.D
Acq: 09 Apr 2020 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.3	16.9
70	10.6	8.6	13.0

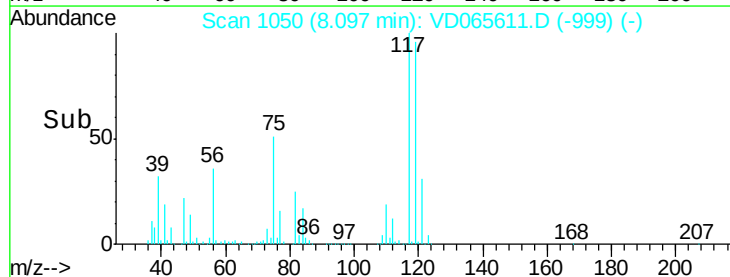
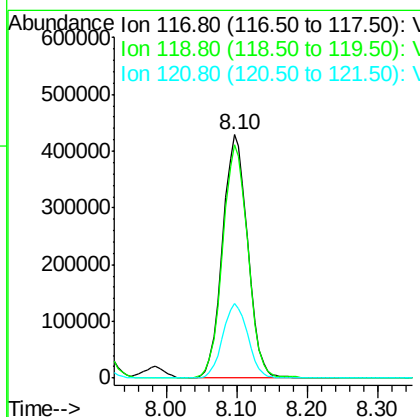
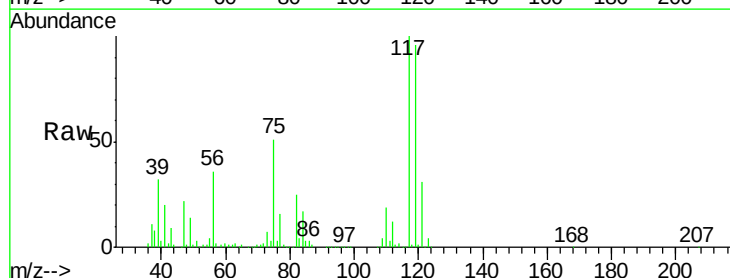
Manual Integrations
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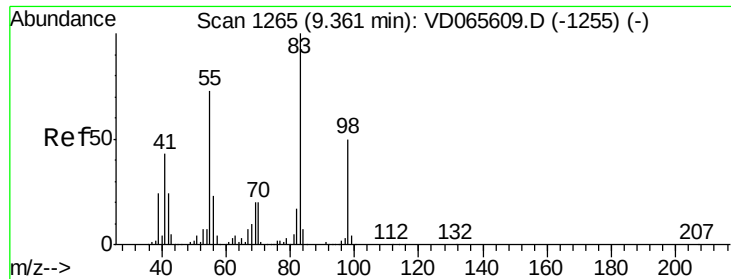
MMDadoda
4/10/2020 2:58:58 PM



#38
Carbon Tetrachloride
Concen: 144.730 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065611.D
Acq: 09 Apr 2020 13:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	78.9	118.3
121	30.7	24.6	37.0





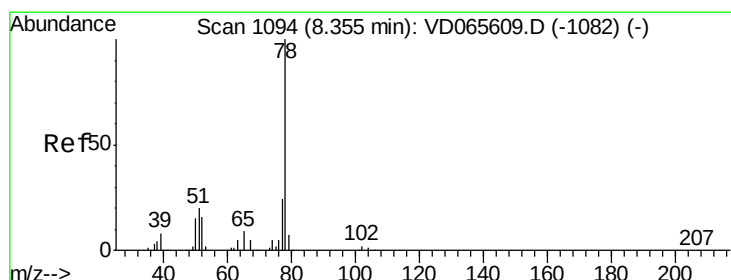
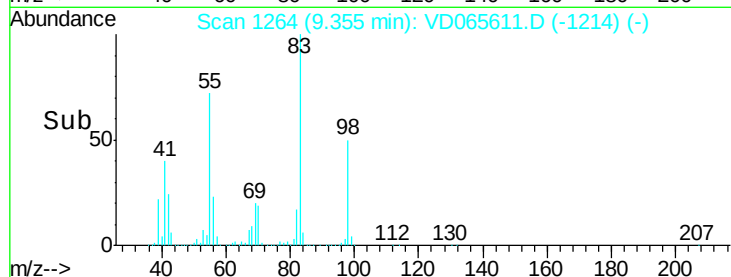
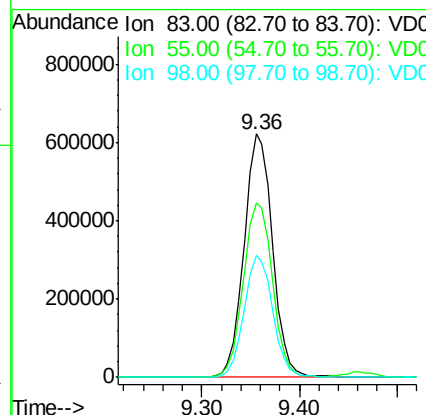
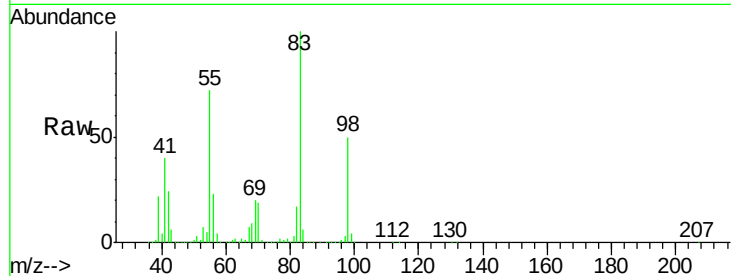
#39
Methylvlcyclohexane
Concen: 166.625 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065611.D
Acq: 09 Apr 2020 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1266080
Ion Ratio Lower Upper
83 100
55 71.8 58.7 88.1
98 50.2 40.2 60.4

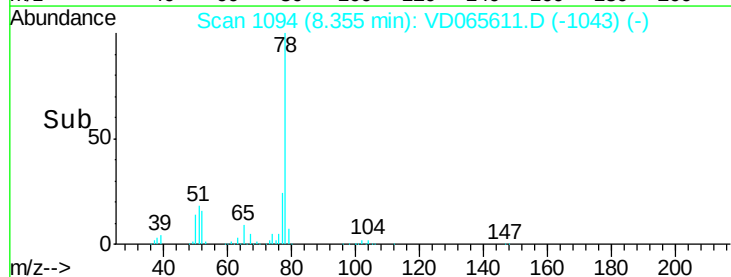
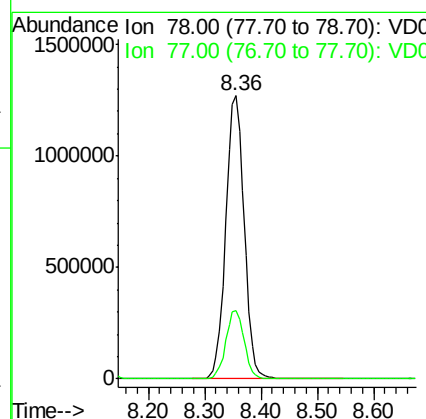
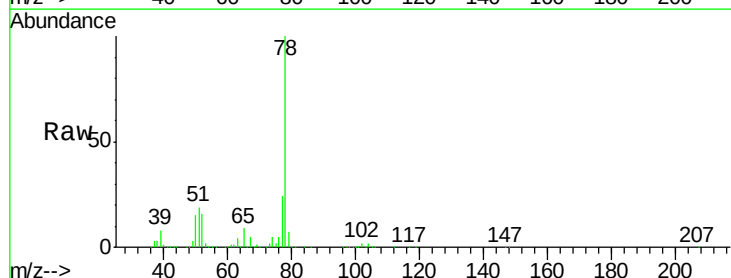
Manual Integrations
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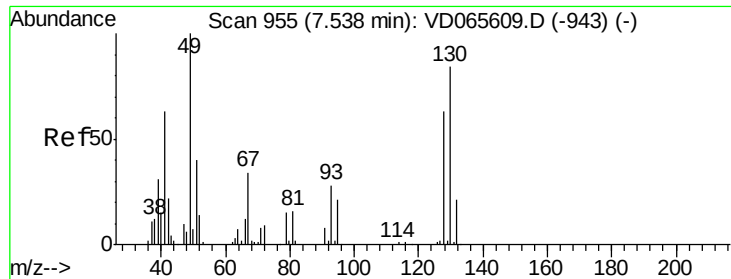
MMDadoda
4/10/2020 2:58:58 PM



#40
Benzene
Concen: 150.690 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065611.D
Acq: 09 Apr 2020 13:27

Tgt Ion: 78 Resp: 2889891
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.0





#41

Methacrylonitrile

Concen: 137.440 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 200221

Ion Ratio Lower Upper

41 100

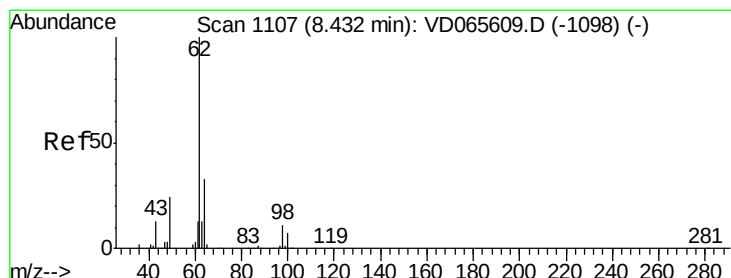
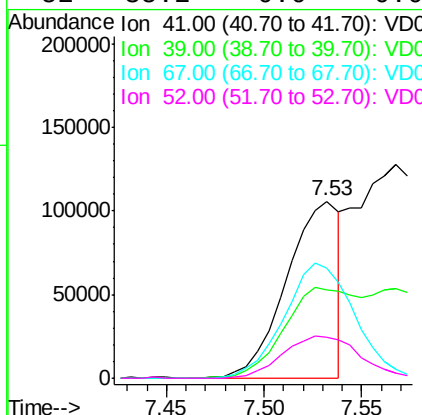
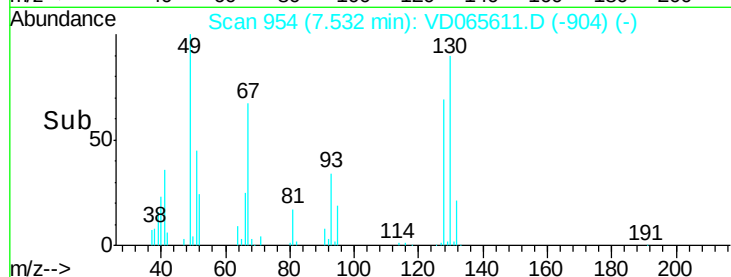
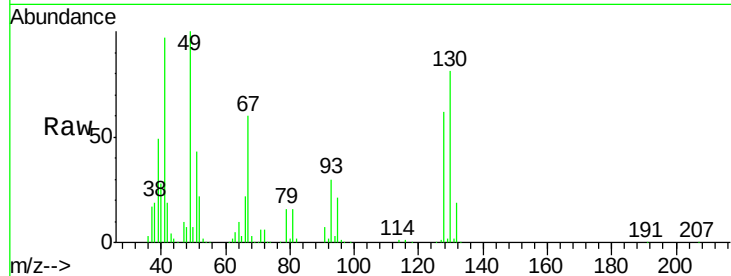
39 70.4 0.0 0.0#

67 87.0 0.0 0.0#

52 35.2 0.0 0.0#

Manual Integrations
APPROVED

MMDadoda
4/10/2020 2:58:58 PM



#42

1,2-Dichloroethane

Concen: 146.962 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065611.D

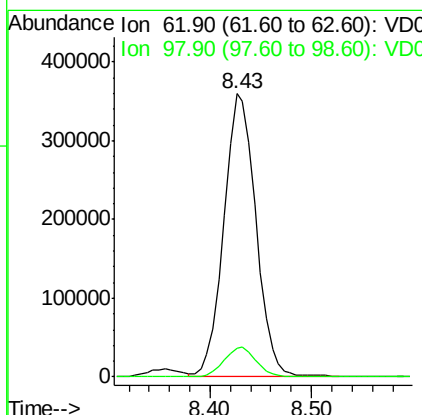
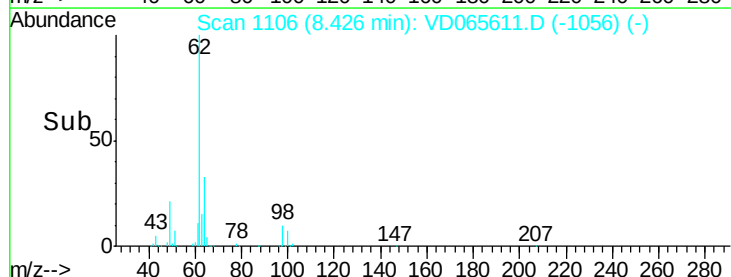
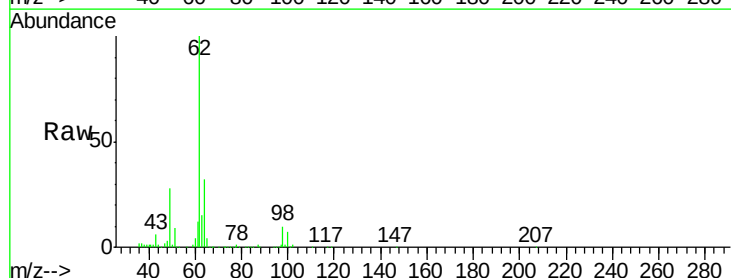
Acq: 09 Apr 2020 13:27

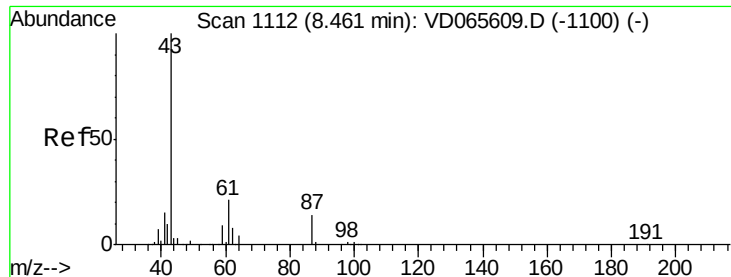
Tgt Ion: 62 Resp: 787229

Ion Ratio Lower Upper

62 100

98 10.6 0.0 21.0





#43

Isopropyl Acetate

Concen: 167.818 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

Instrument :

MSVOA_D

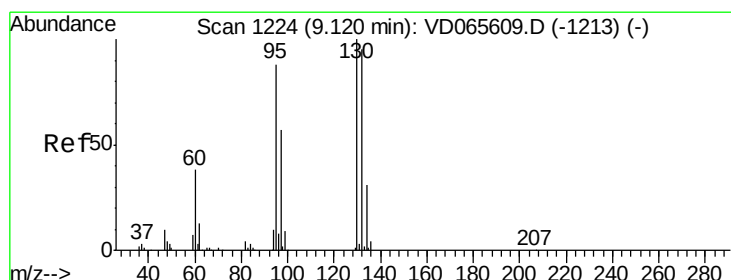
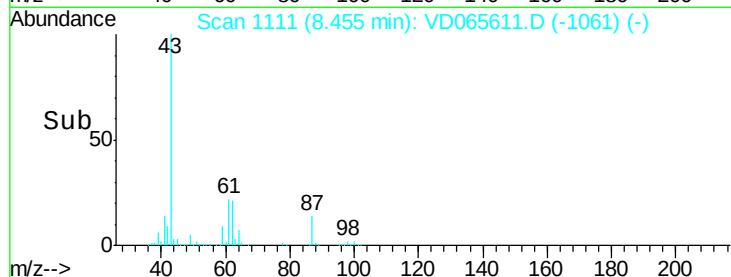
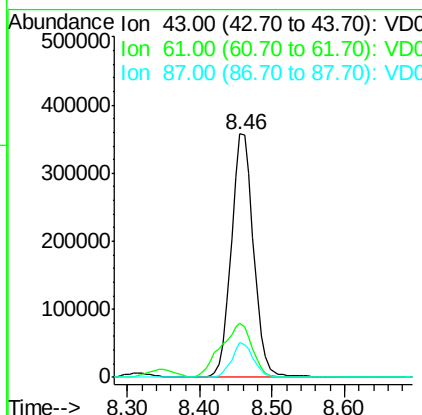
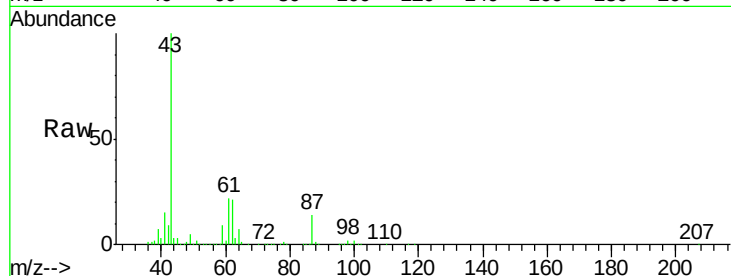
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	763072
Ion	Ratio	Lower	Upper
43	100		
61	31.2	25.9	38.9
87	13.7	10.9	16.3

Manual Integrations
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#44

Trichloroethene

Concen: 147.914 ug/l

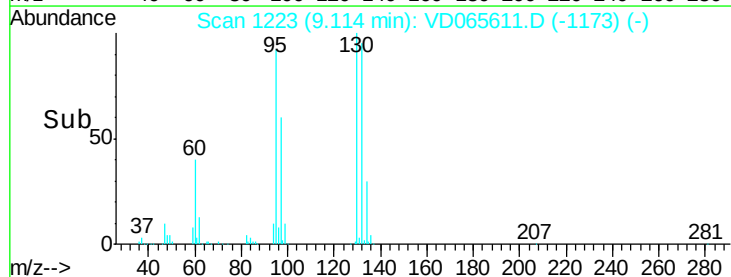
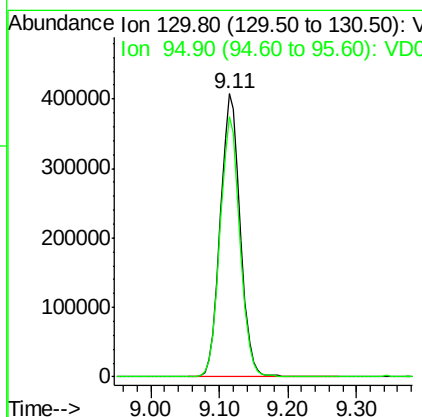
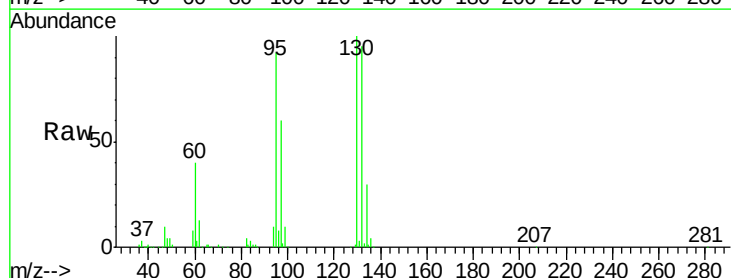
RT: 9.11 min Scan# 1223

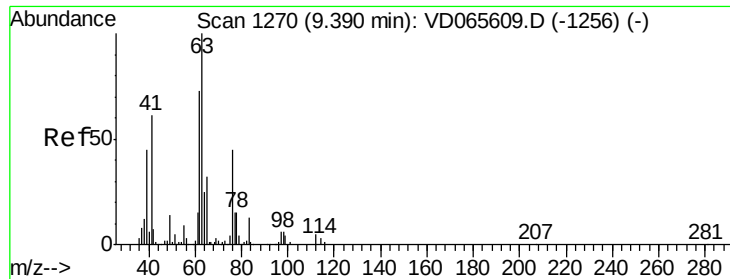
Delta R.T. -0.01 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

Tgt Ion:	130	Resp:	815273
Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	176.8





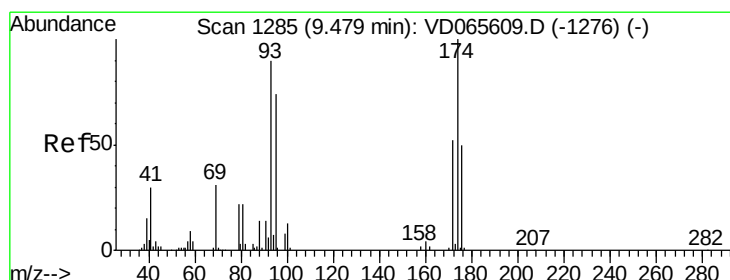
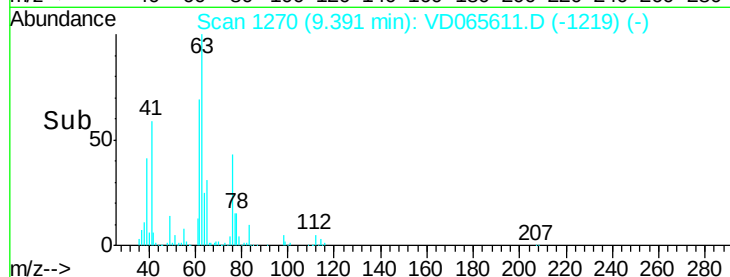
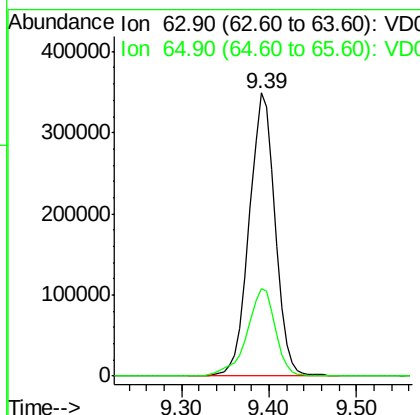
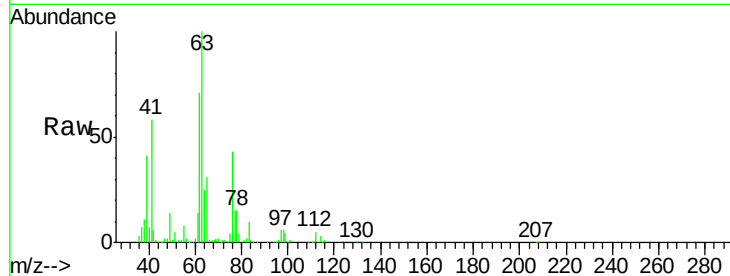
#45
 1,2-Dichloropropane
 Concen: 150.102 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065611.D
 Acq: 09 Apr 2020 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.3	37.9

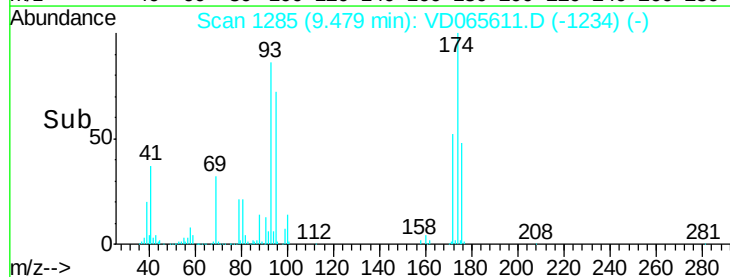
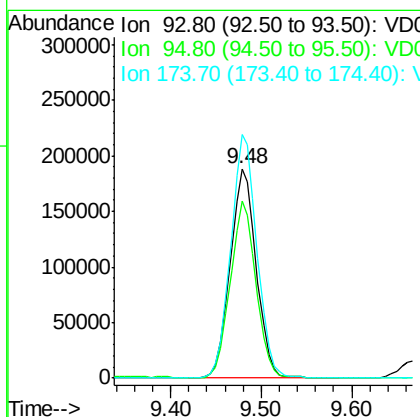
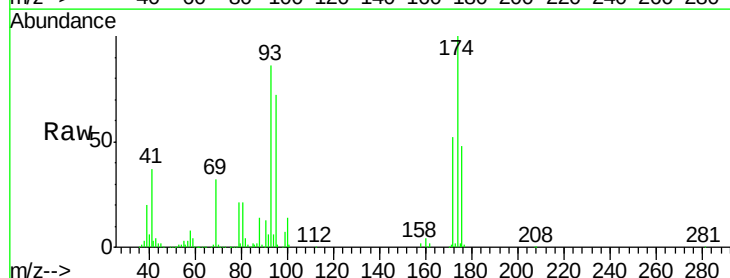
Manual Integrations
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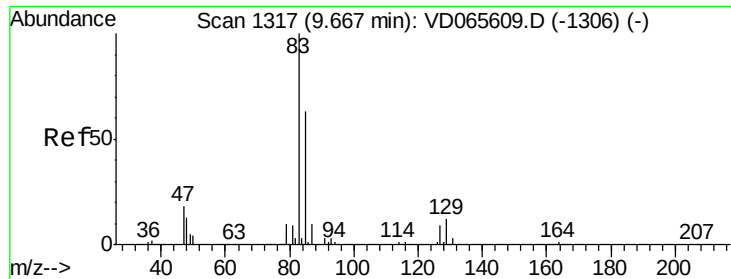
MMDadoda
 4/10/2020 2:58:58 PM



#46
 Dibromomethane
 Concen: 150.605 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065611.D
 Acq: 09 Apr 2020 13:27

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	66.5	99.7
174	116.3	91.5	137.3





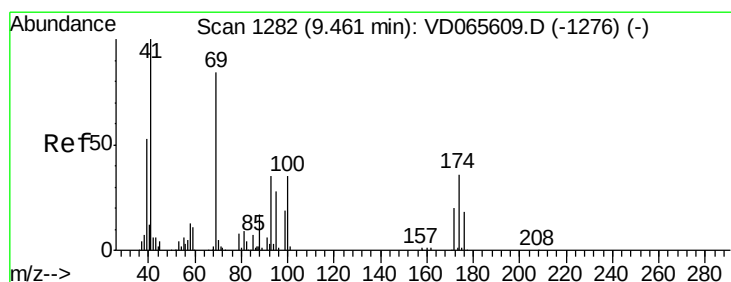
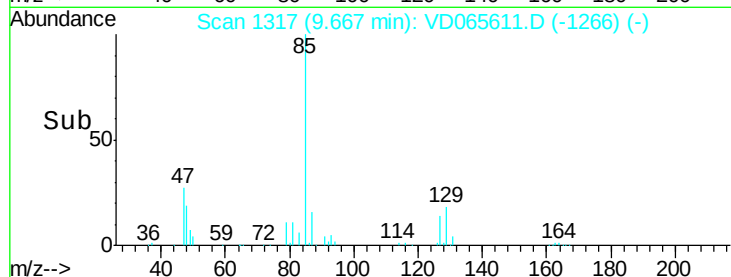
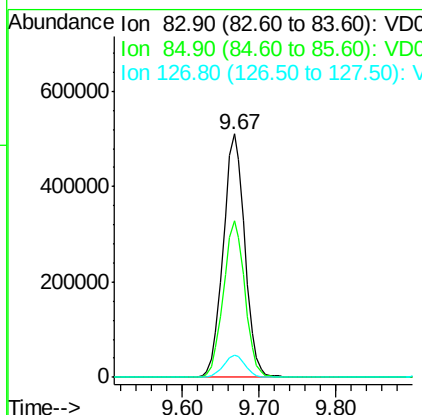
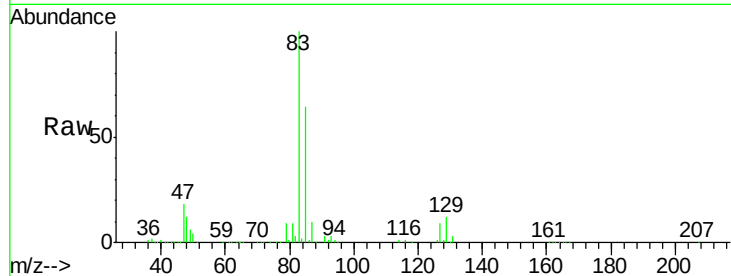
#47
Bromodichloromethane
Concen: 151.059 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065611.D
Acq: 09 Apr 2020 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	994305
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	50.7	76.1
127	9.3	7.6	11.4

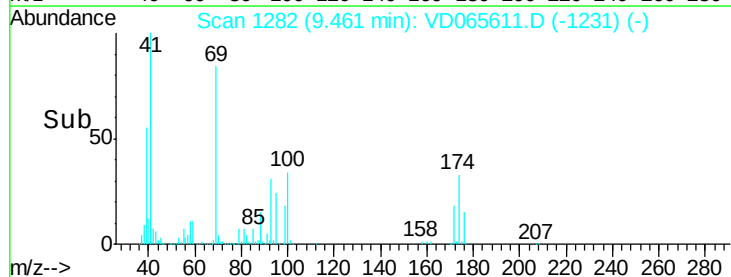
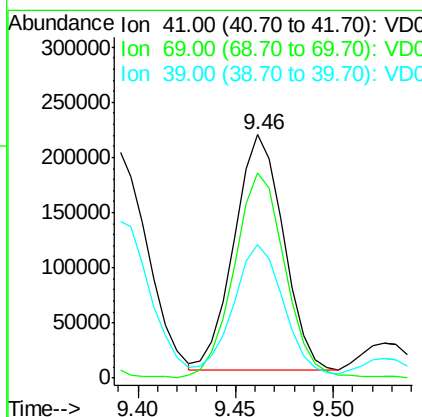
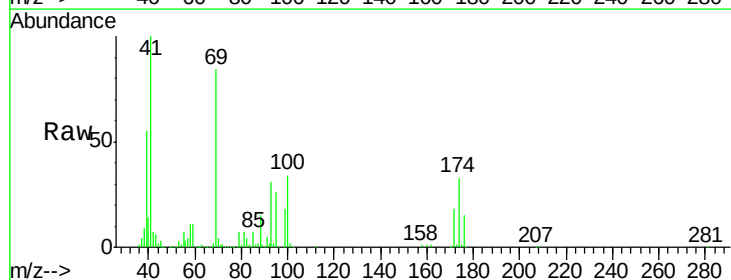
Manual Integrations
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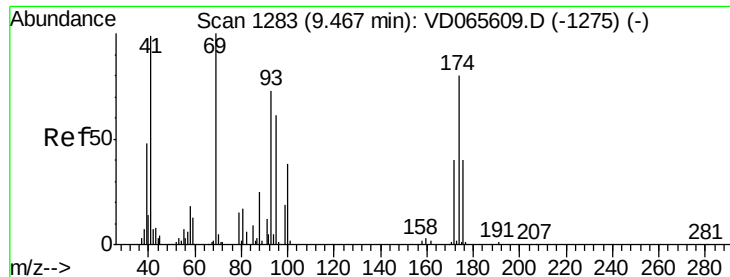
MMDadoda
4/10/2020 2:58:58 PM



#48
Methyl methacrylate
Concen: 175.517 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065611.D
Acq: 09 Apr 2020 13:27

Tgt Ion	41	Resp	370148
Ion Ratio	100	Lower	Upper
41	100		
69	91.2	72.4	108.6
39	54.8	43.5	65.3





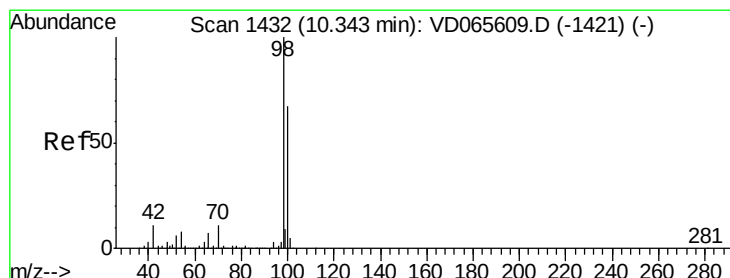
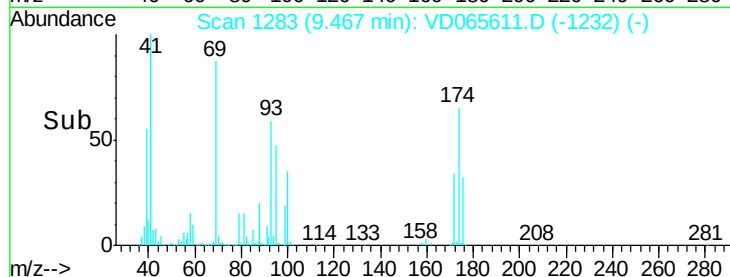
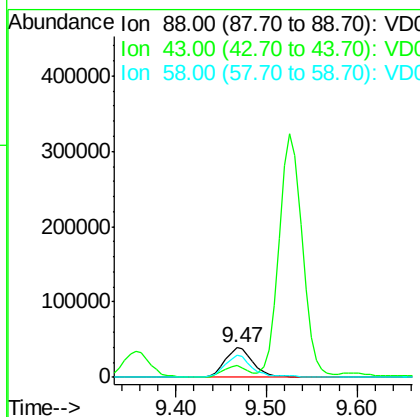
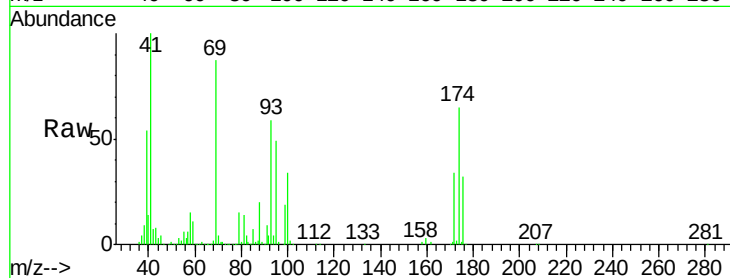
#49
1,4-Dioxane
Concen: 3208.543 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065611.D
Acq: 09 Apr 2020 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	85294
Ion Ratio	100	Lower	Upper
88	100		
43	32.6	29.8	44.8
58	67.9	57.7	86.5

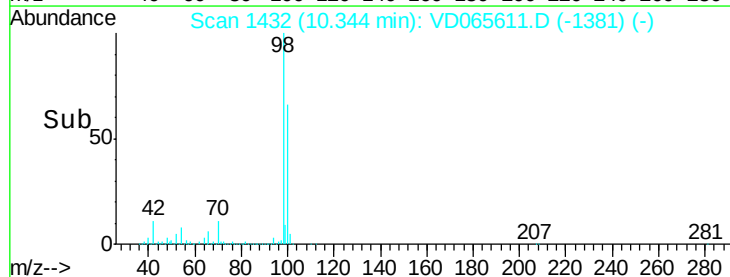
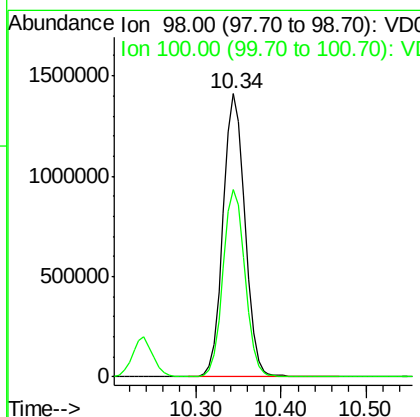
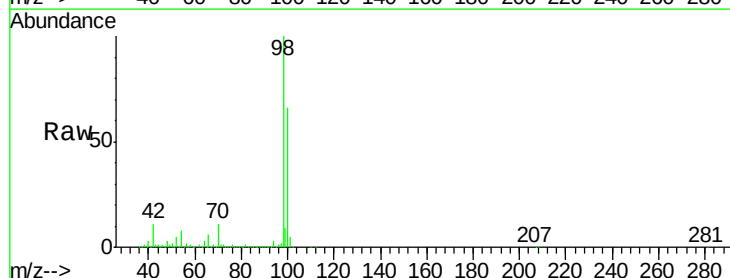
Manual Integrations
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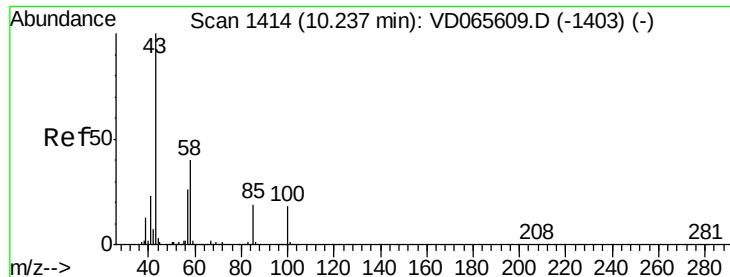
MMDadoda
4/10/2020 2:58:58 PM



#50
Toluene-d8
Concen: 152.127 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065611.D
Acq: 09 Apr 2020 13:27

Tgt Ion	98	Resp	2530334
Ion Ratio	100	Lower	Upper
98	100		
100	66.5	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 838.516 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1964857

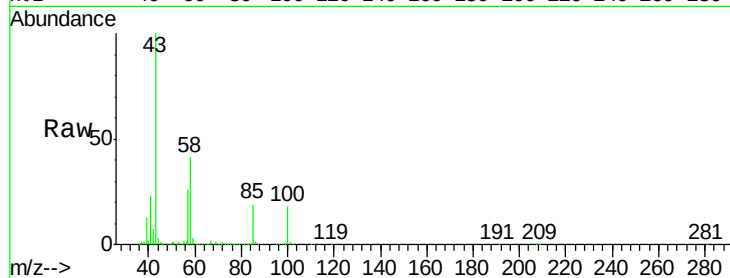
Ion Ratio Lower Upper

43 100

58 40.1 31.4 47.2

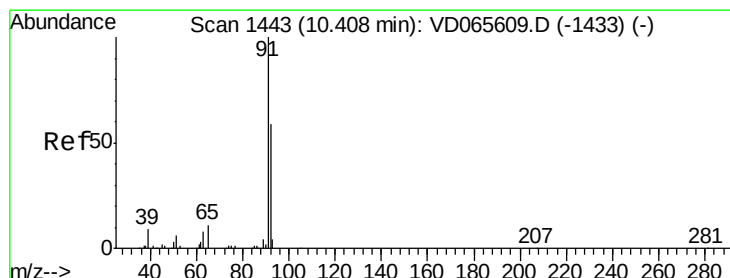
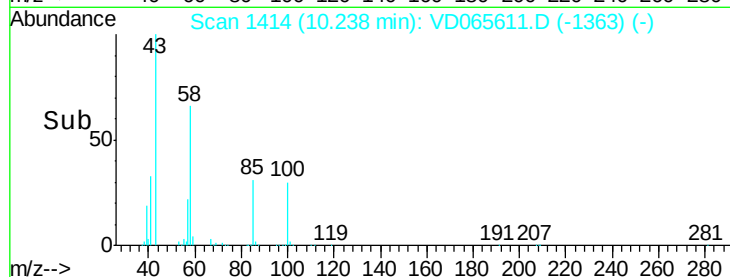
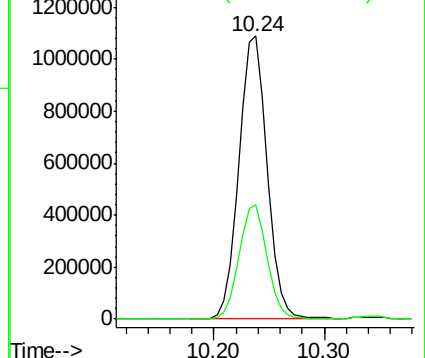
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 155.482 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065611.D

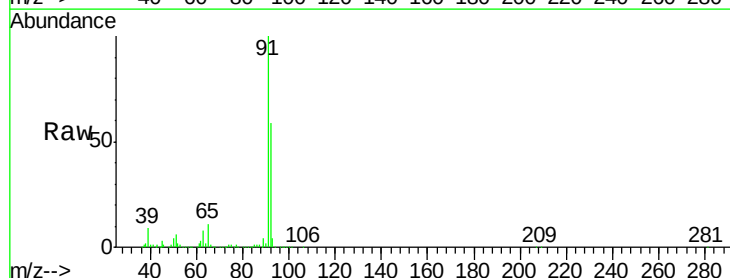
Acq: 09 Apr 2020 13:27

Tgt Ion: 92 Resp: 1885318

Ion Ratio Lower Upper

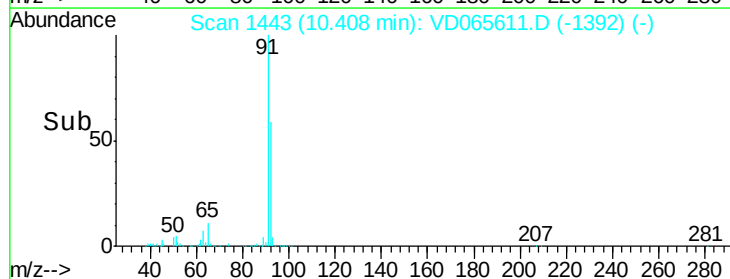
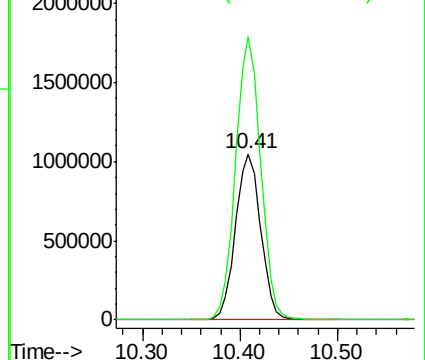
92 100

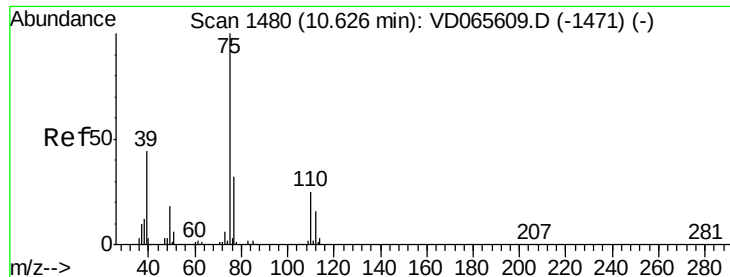
91 169.9 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 164.763 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 962587

Ion Ratio Lower Upper

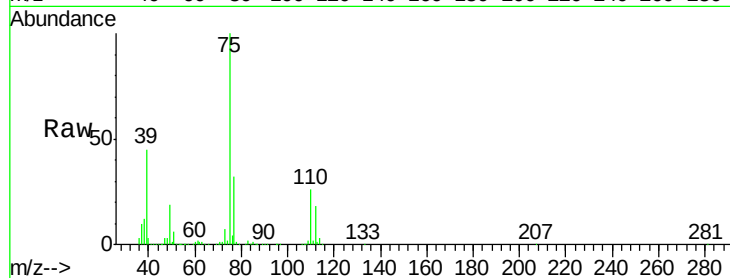
75 100

77 31.9 25.4 38.0

Manual Integrations
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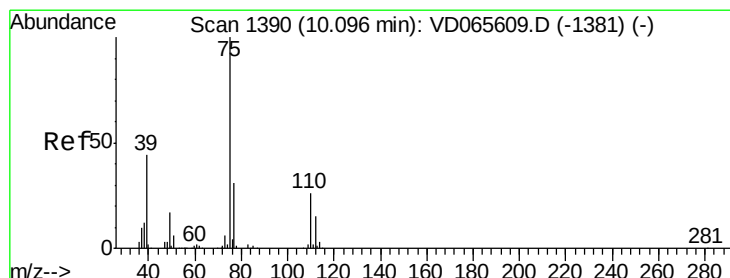
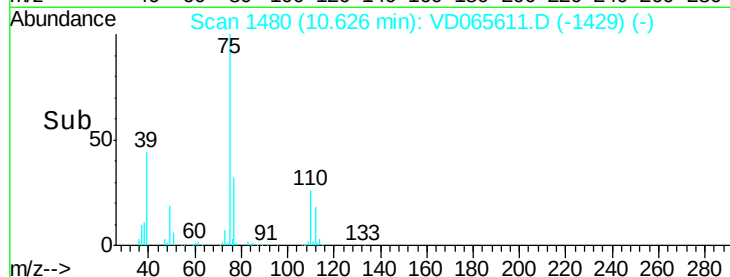
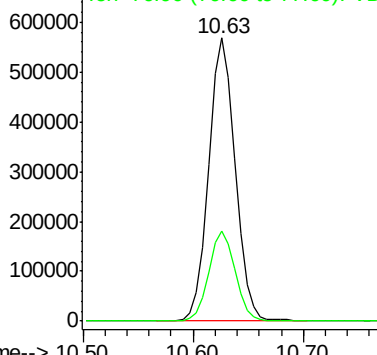
MMDadoda

4/10/2020 2:58:58 PM



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 161.761 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

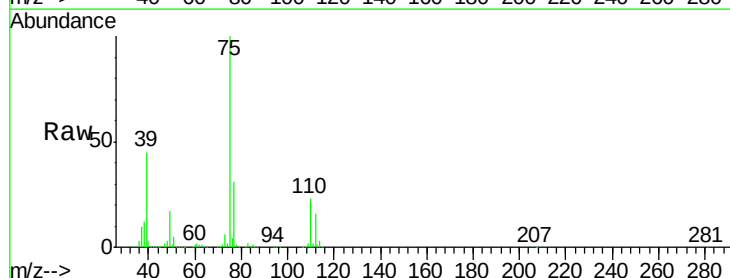
Tgt Ion: 75 Resp: 1157117

Ion Ratio Lower Upper

75 100

77 31.1 24.5 36.7

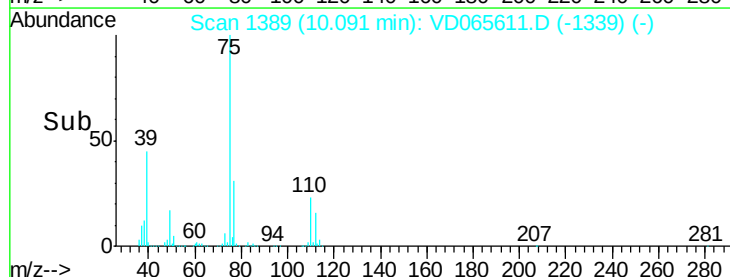
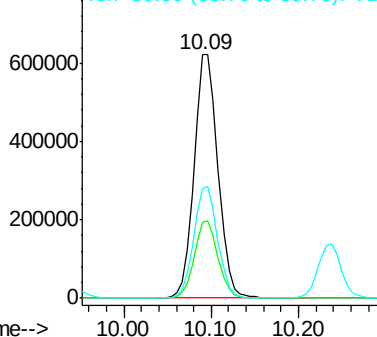
39 44.9 35.5 53.3

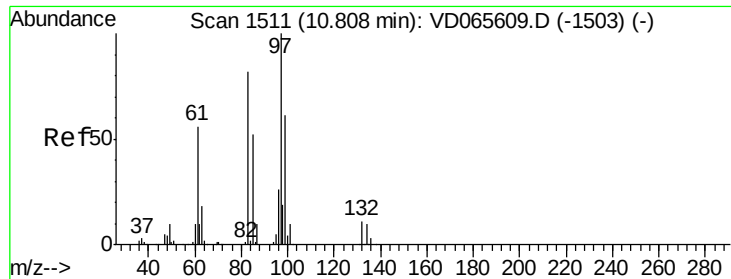


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





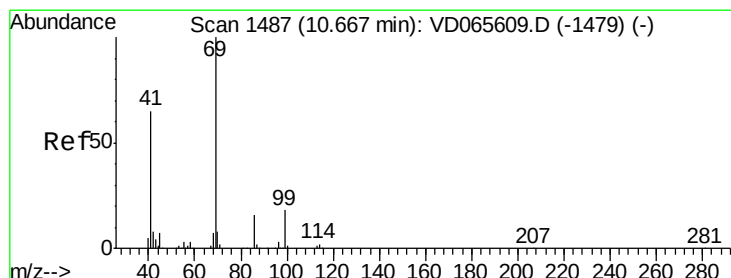
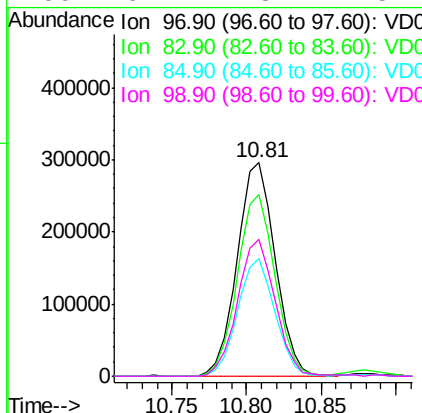
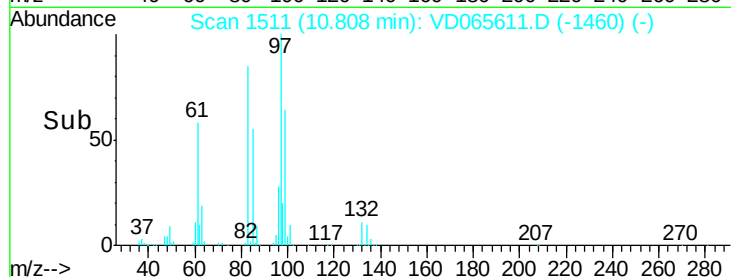
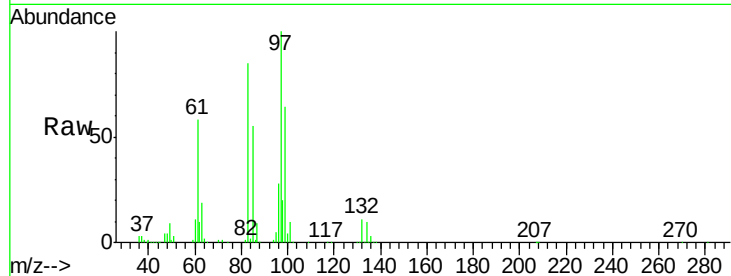
#55
 1,1,2-Trichloroethane
 Concen: 148.754 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065611.D
 Acq: 09 Apr 2020 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		523973		
83	84.8	65.7	98.5		
85	55.1	41.6	62.4		
99	64.1	48.7	73.1		

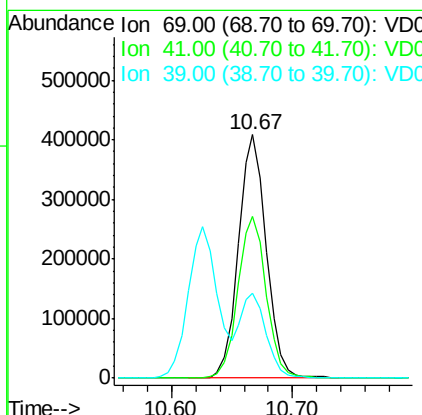
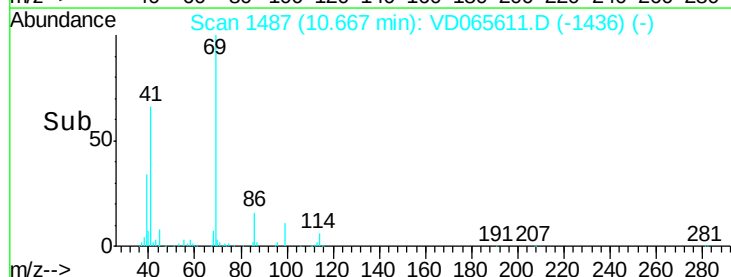
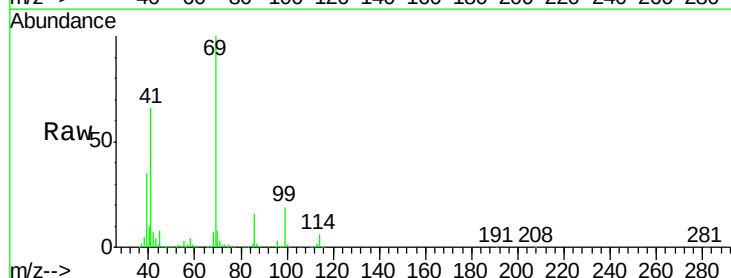
Manual Integrations
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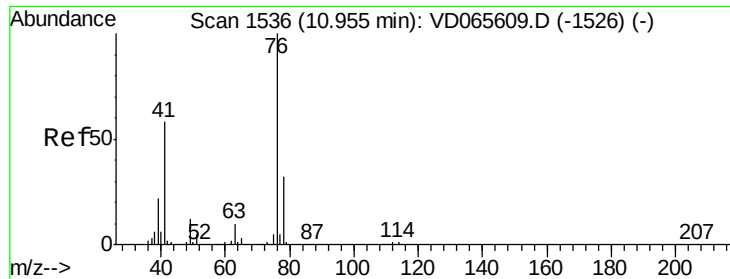
MMDadoda
 4/10/2020 2:58:58 PM



#56
 Ethyl methacrylate
 Concen: 184.821 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065611.D
 Acq: 09 Apr 2020 13:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		656592		
41	68.3	54.4	81.6		
39	32.9	26.5	39.7		





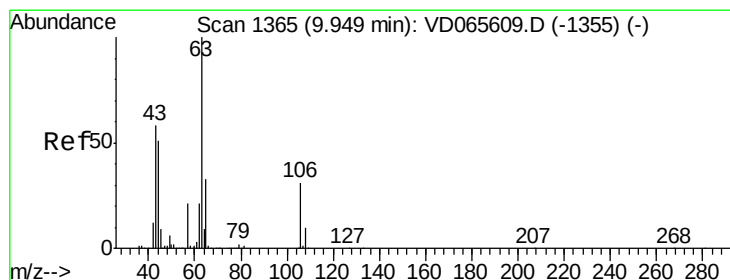
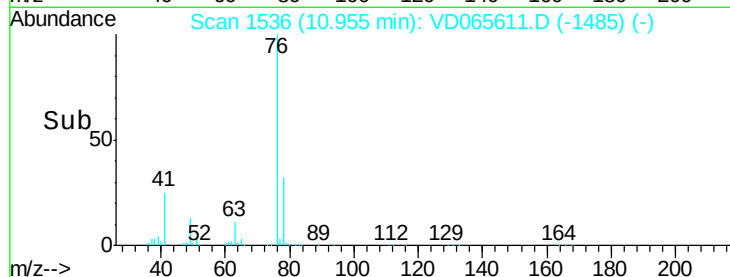
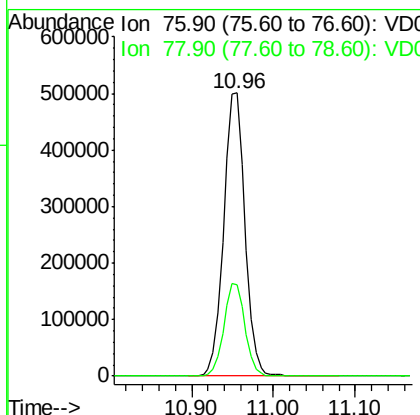
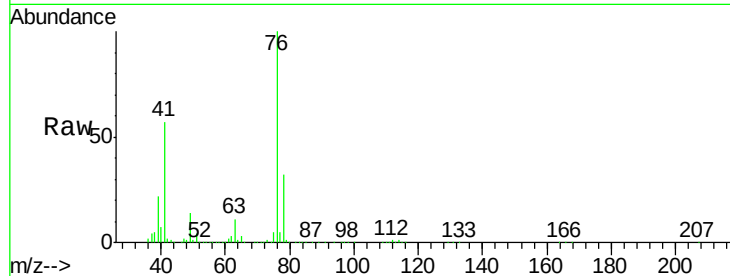
#57
 1,3-Dichloropropane
 Concen: 155.334 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VD065611.D
 Acq: 09 Apr 2020 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 906271
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.0 39.0

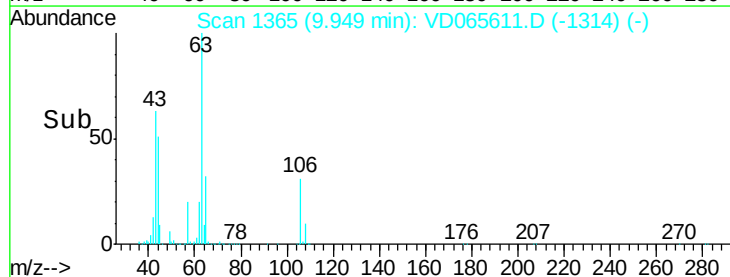
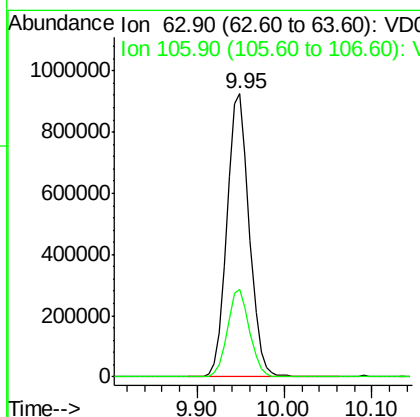
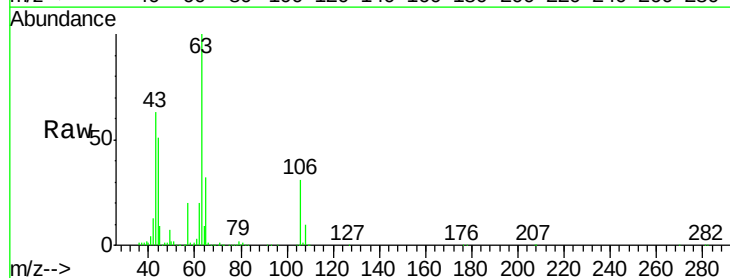
Manual Integrations
 APPROVED

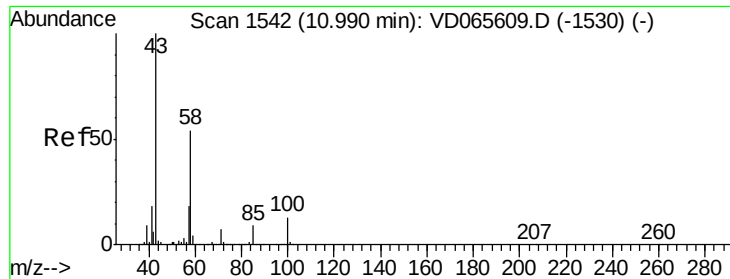
MMDadoda
 4/10/2020 2:58:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 865.928 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065611.D
 Acq: 09 Apr 2020 13:27

Tgt Ion: 63 Resp: 1615509
 Ion Ratio Lower Upper
 63 100
 106 30.6 24.2 36.2





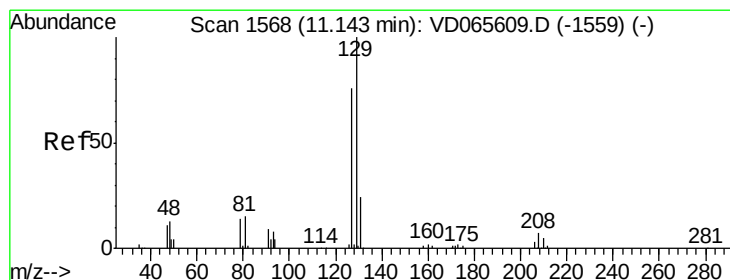
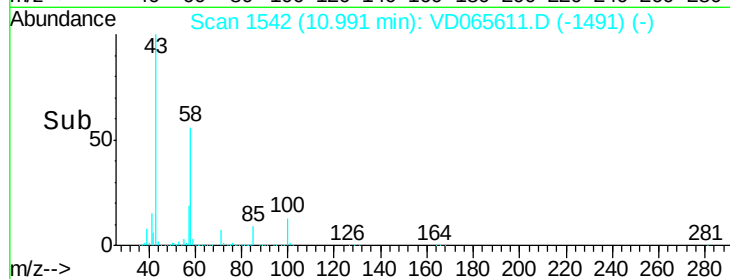
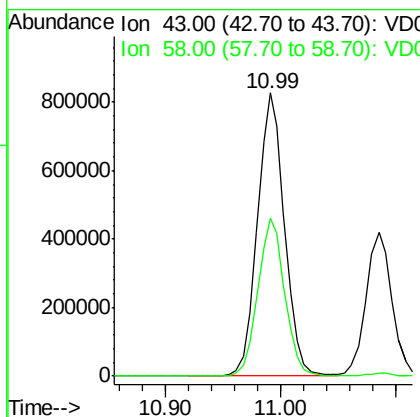
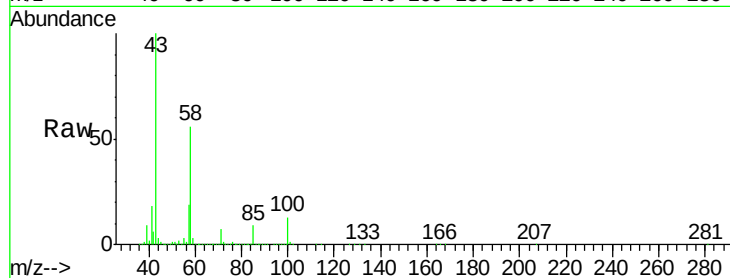
#59
2-Hexanone
Concen: 863.905 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065611.D
Acq: 09 Apr 2020 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1345346
Ion Ratio Lower Upper
43 100
58 55.5 27.1 81.3

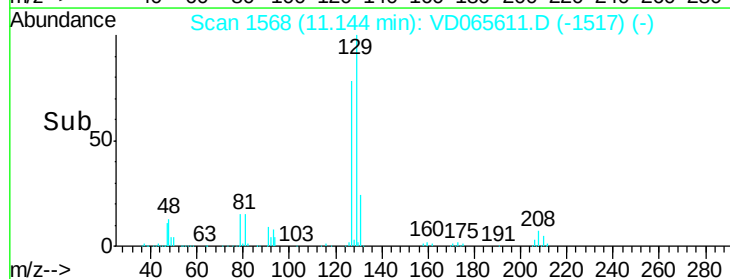
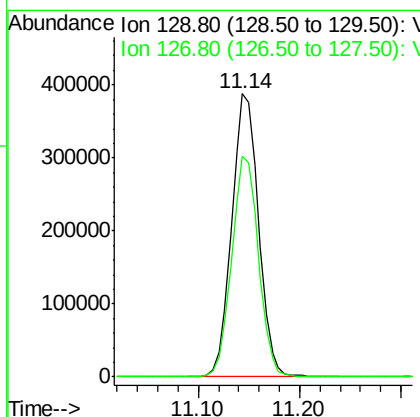
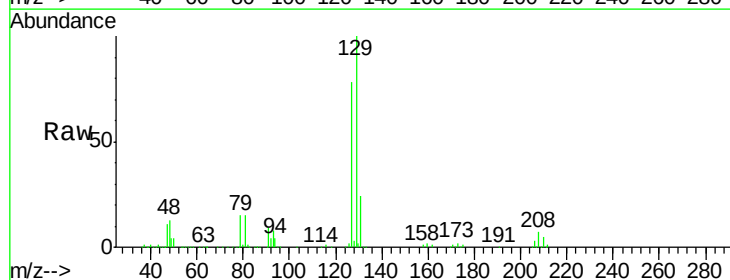
Manual Integrations
APPROVED

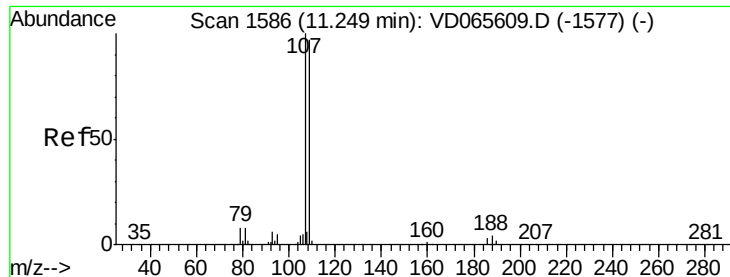
MMDadoda
4/10/2020 2:58:58 PM



#60
Dibromochloromethane
Concen: 151.637 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065611.D
Acq: 09 Apr 2020 13:27

Tgt Ion: 129 Resp: 711365
Ion Ratio Lower Upper
129 100
127 77.9 38.1 114.3





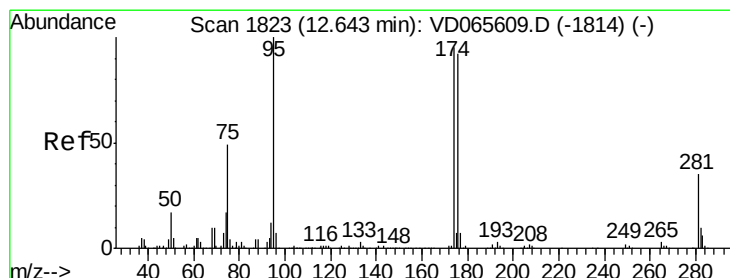
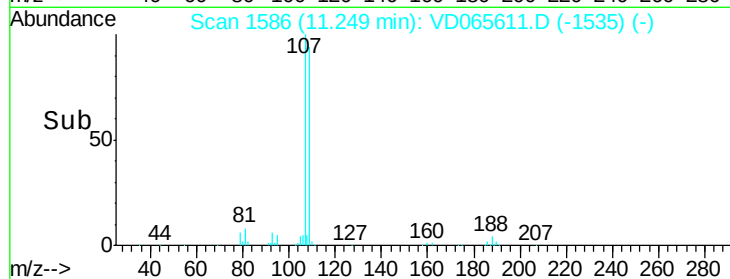
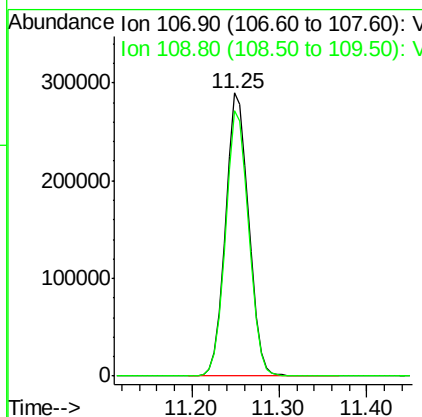
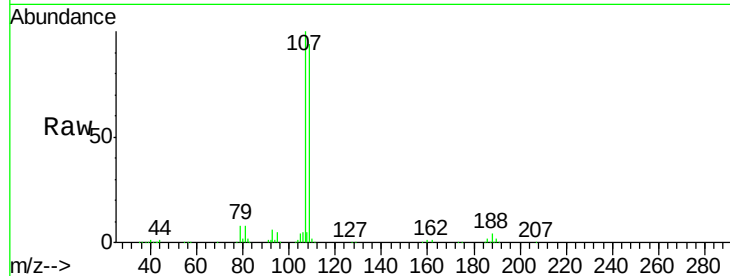
#61
 1,2-Dibromoethane
 Concen: 155.102 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065611.D
 Acq: 09 Apr 2020 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	519333		
109	94.1	74.9	112.3	

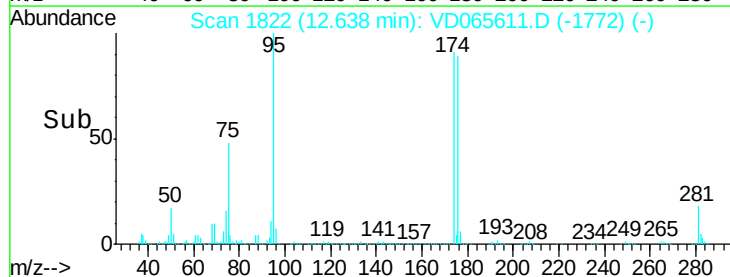
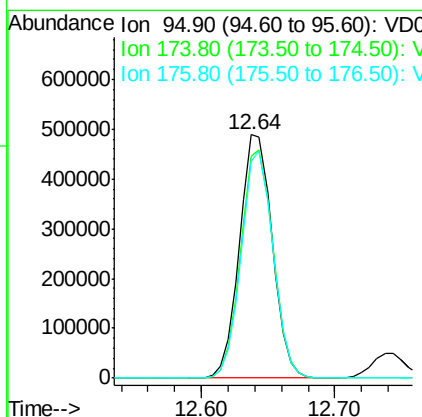
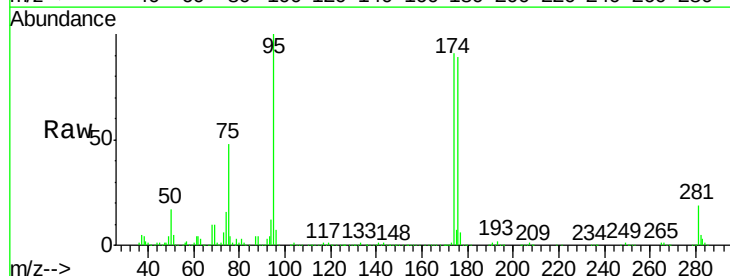
Manual Integrations
 APPROVED

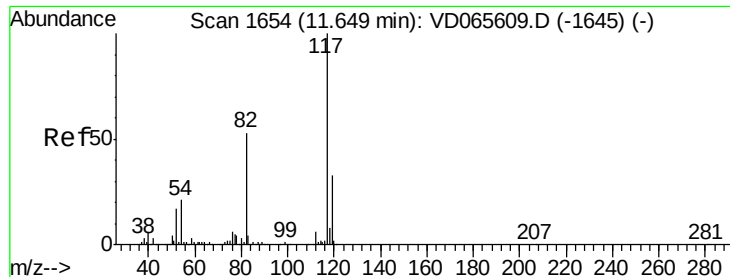
MMDadoda
 4/10/2020 2:58:58 PM



#62
 4-Bromofluorobenzene
 Concen: 155.250 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065611.D
 Acq: 09 Apr 2020 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	829793		
174	92.8	0.0	182.8	
176	90.7	0.0	176.6	





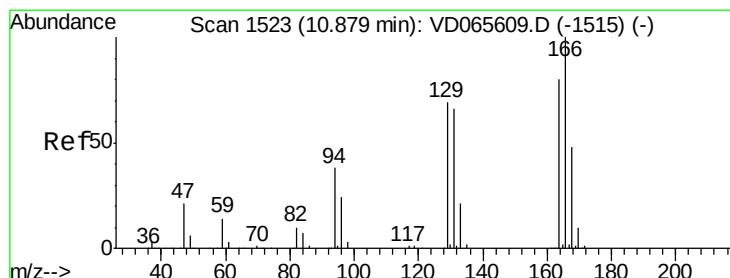
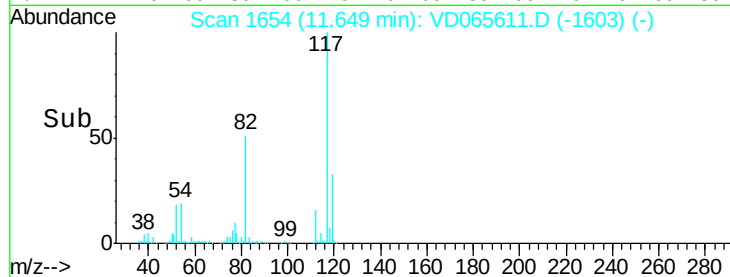
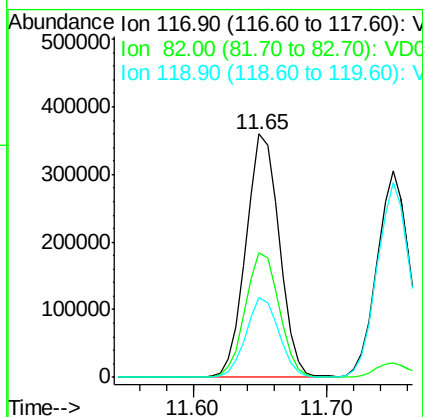
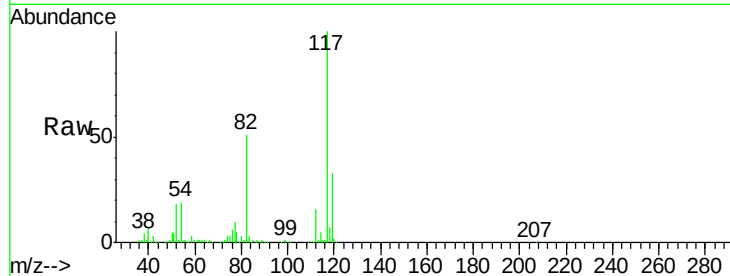
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065611.D
Acq: 09 Apr 2020 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	42.6	64.0
119	32.6	26.7	40.1

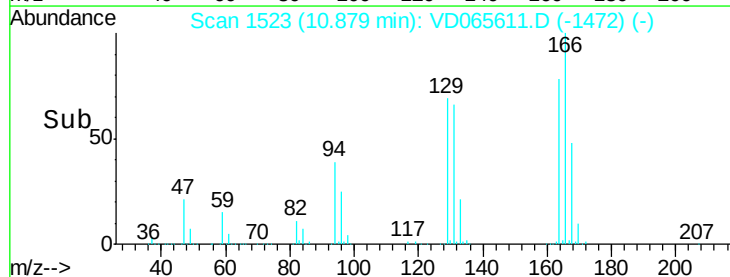
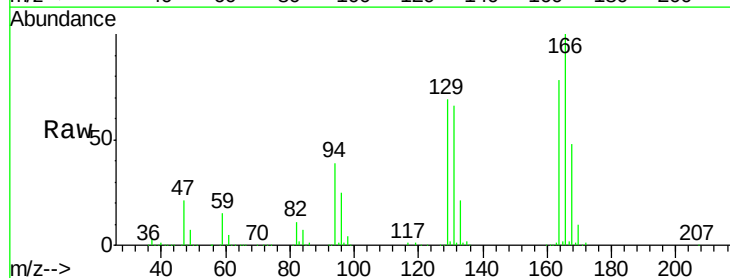
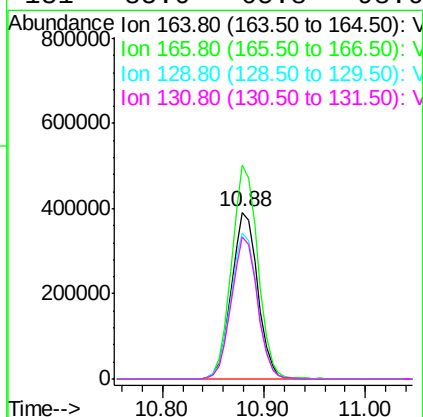
Manual Integrations
APPROVED

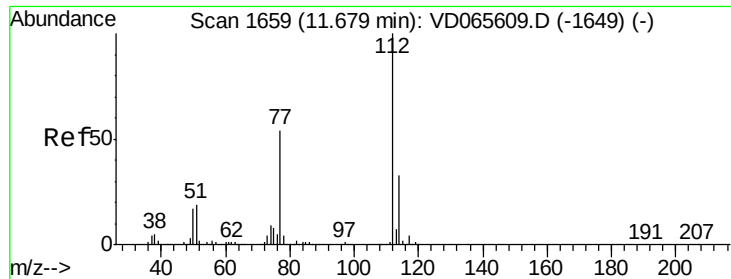
MMDadoda
4/10/2020 2:58:58 PM



#64
Tetrachloroethene
Concen: 141.782 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065611.D
Acq: 09 Apr 2020 13:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	100.2	150.2
129	87.9	69.5	104.3
131	85.0	65.8	98.6





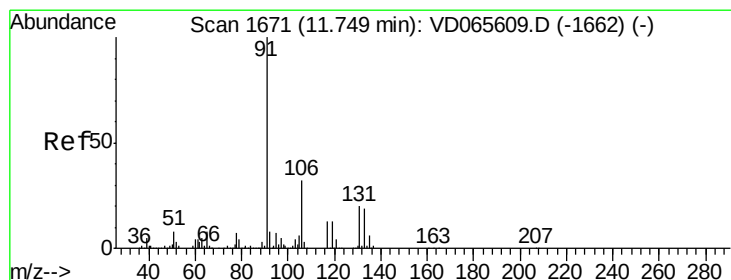
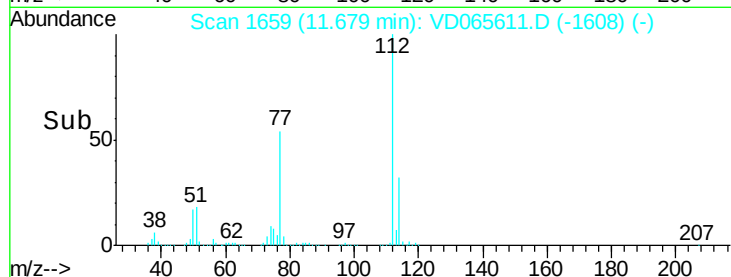
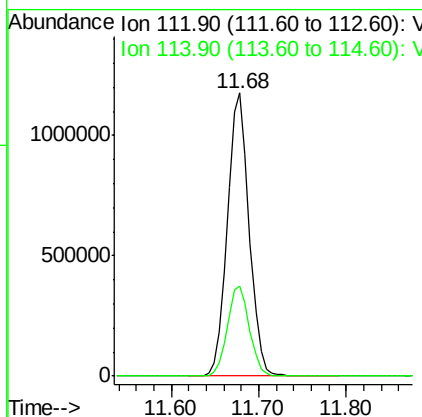
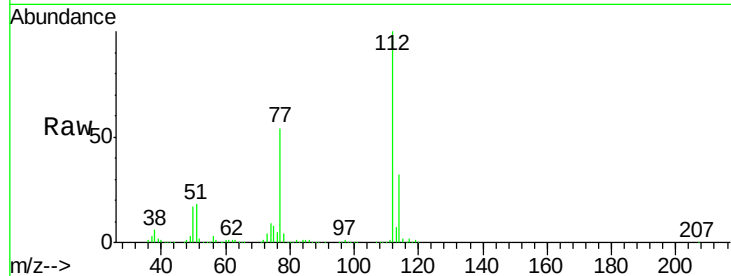
#65
Chlorobenzene
Concen: 148.281 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065611.D
Acq: 09 Apr 2020 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1997961
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.2

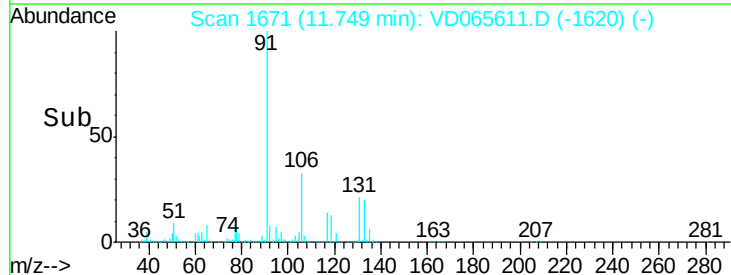
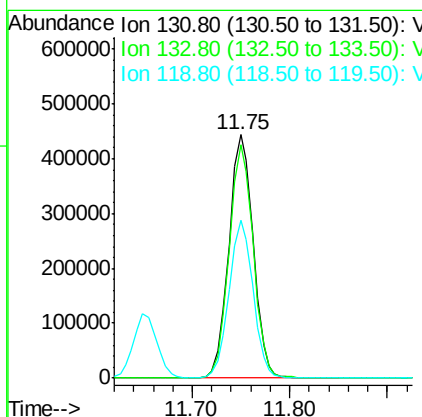
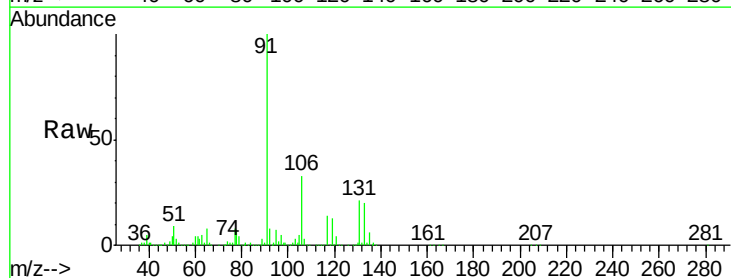
Manual Integrations
APPROVED

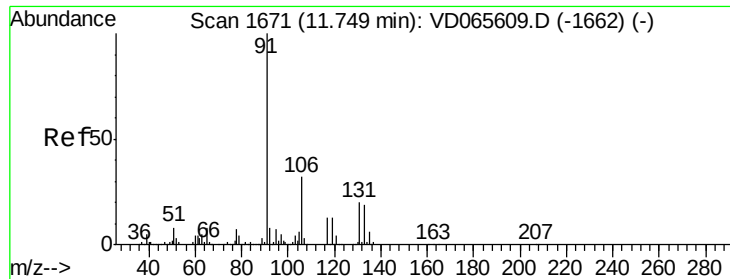
MMDadoda
4/10/2020 2:58:58 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 149.736 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065611.D
Acq: 09 Apr 2020 13:27

Tgt Ion:131 Resp: 768584
Ion Ratio Lower Upper
131 100
133 95.1 47.3 142.0
119 63.9 31.9 95.9





#67

Ethyl Benzene

Concen: 159.302 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 3544434

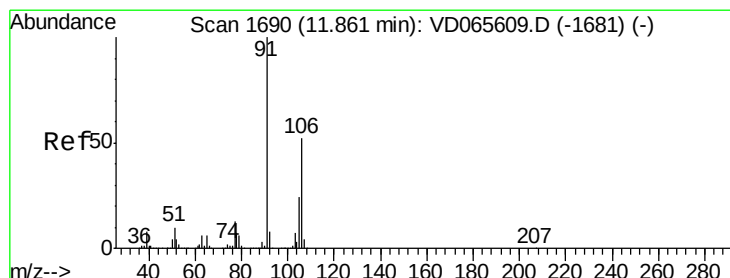
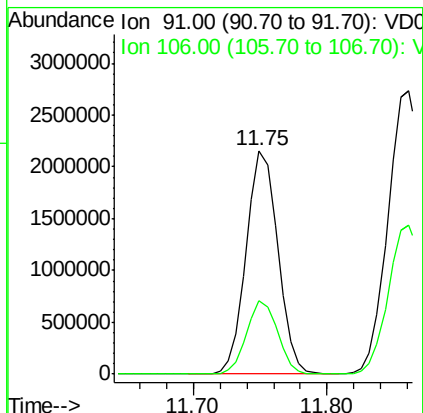
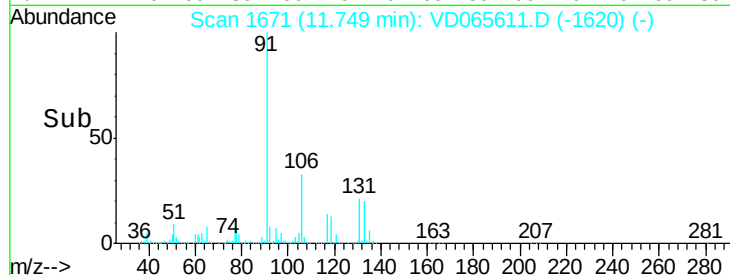
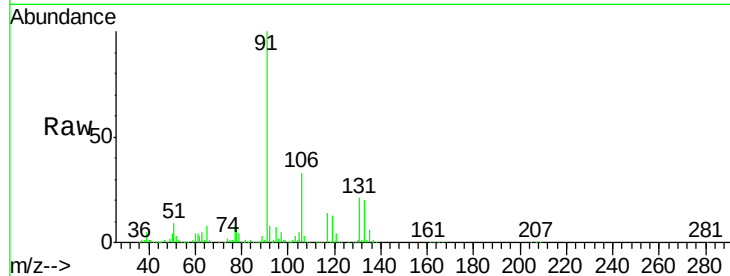
Ion Ratio Lower Upper

91 100

106 32.6 25.6 38.4

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 316.060 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065611.D

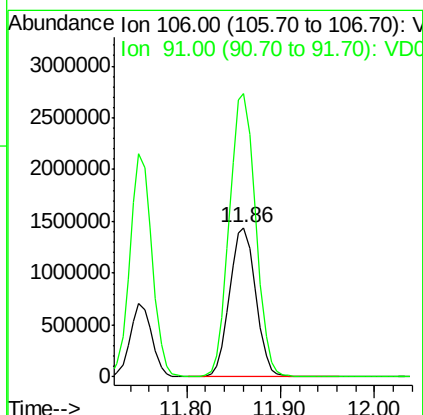
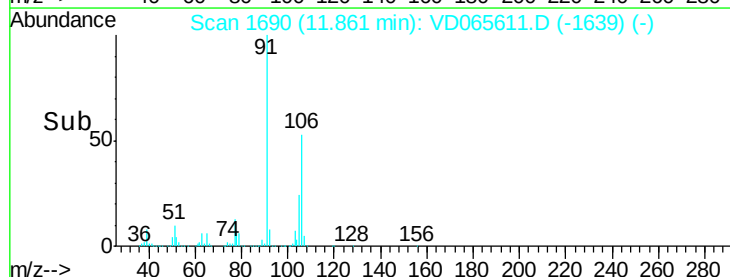
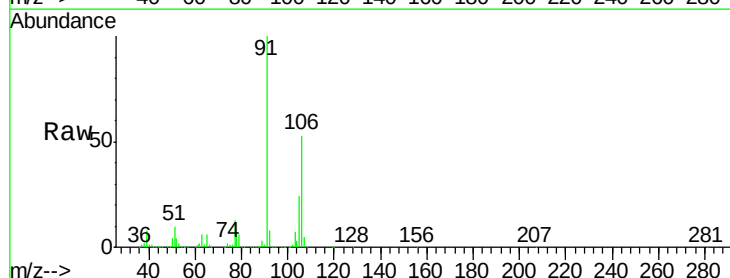
Acq: 09 Apr 2020 13:27

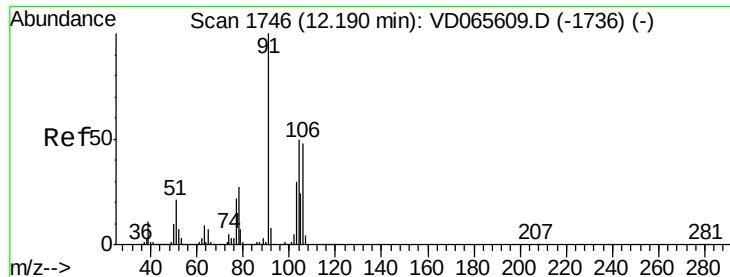
Tgt Ion: 106 Resp: 2774403

Ion Ratio Lower Upper

106 100

91 191.6 155.0 232.4





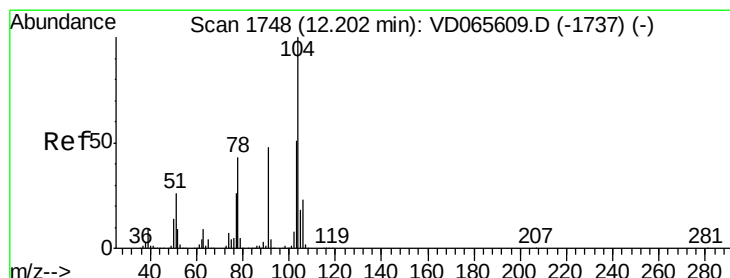
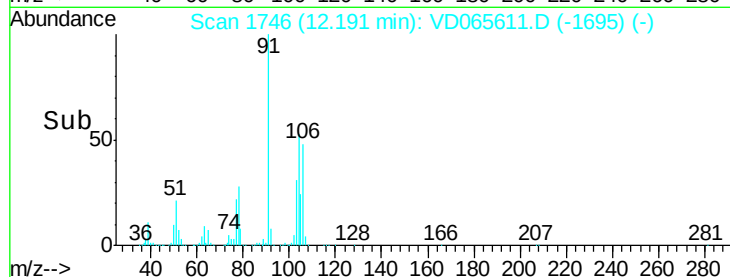
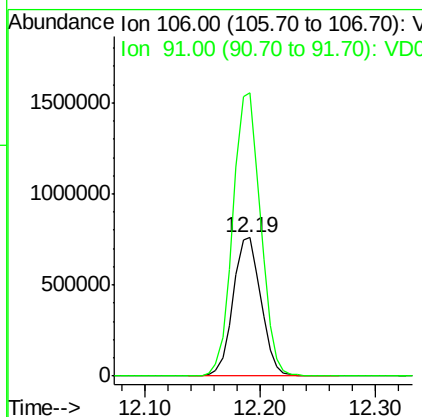
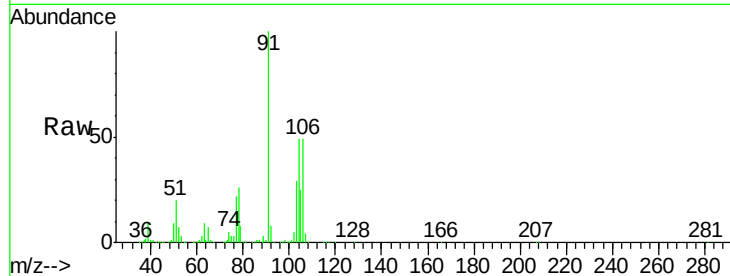
#69
o-Xylene
Concen: 168.126 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.00 min
Lab File: VD065611.D
Acq: 09 Apr 2020 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1271723
Ion Ratio Lower Upper
106 100
91 203.8 103.8 311.3

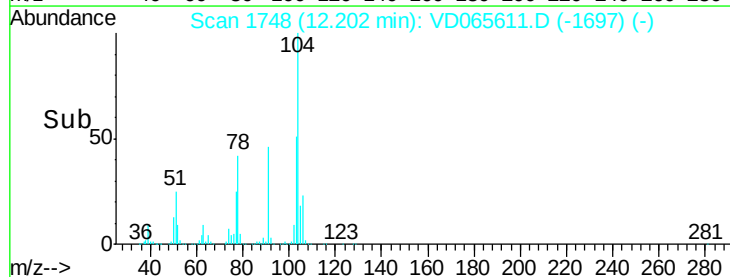
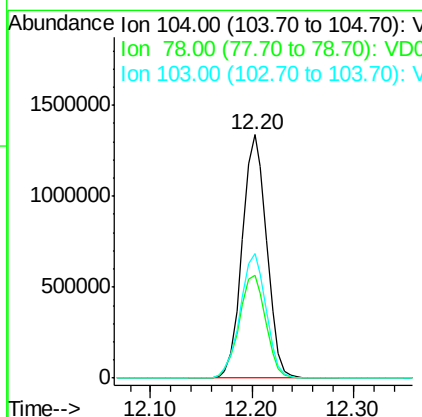
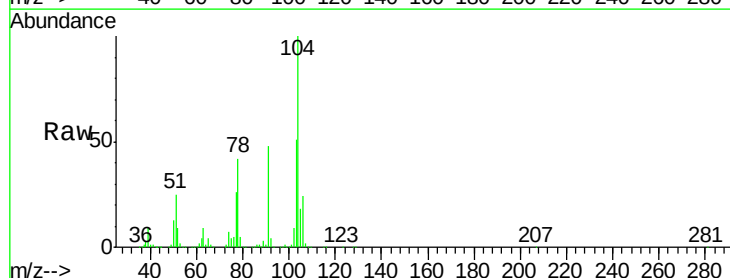
Manual Integrations
APPROVED

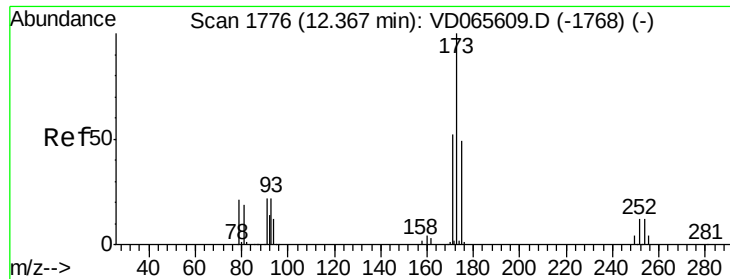
MMDadoda
4/10/2020 2:58:58 PM



#70
Styrene
Concen: 167.317 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065611.D
Acq: 09 Apr 2020 13:27

Tgt Ion:104 Resp: 2237523
Ion Ratio Lower Upper
104 100
78 46.3 37.1 55.7
103 54.3 43.2 64.8





#71

Bromoform

Concen: 147.807 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 425498

Ion Ratio Lower Upper

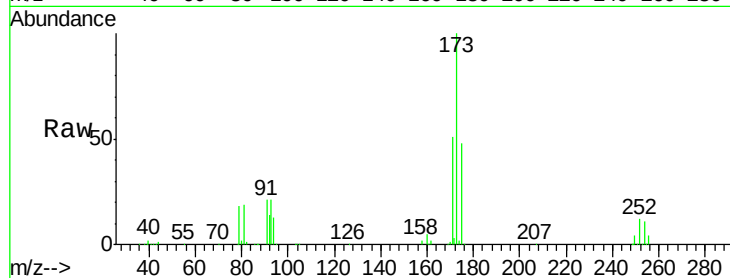
173 100

175 49.2 24.5 73.5

254 0.2 0.0 0.0#

Manual Integrations
APPROVED

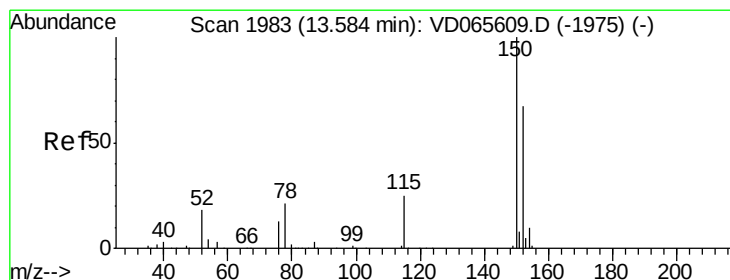
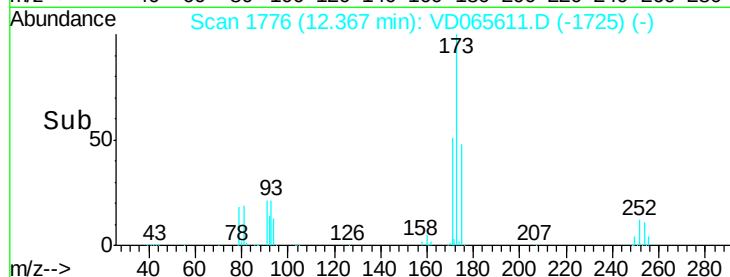
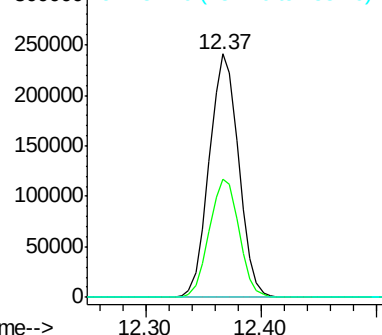
MMDadoda
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VD065611.D

Acq: 09 Apr 2020 13:27

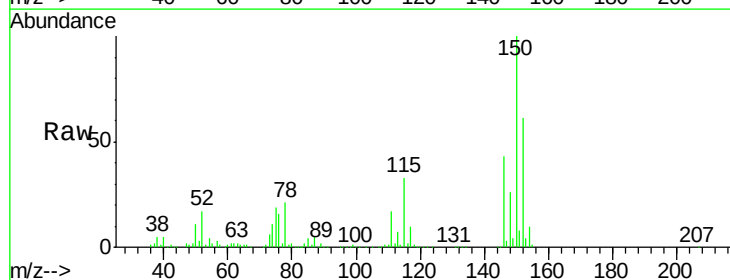
Tgt Ion:152 Resp: 317098

Ion Ratio Lower Upper

152 100

115 54.5 27.1 81.2

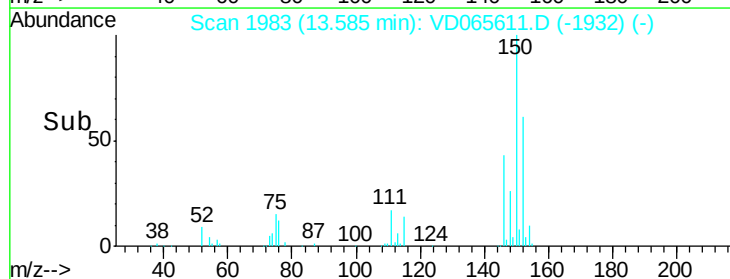
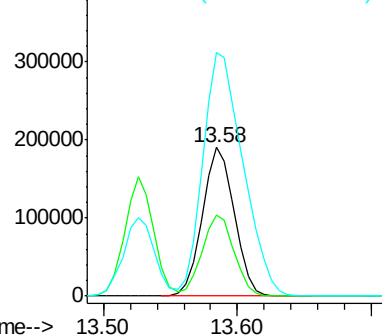
150 205.3 0.0 348.2

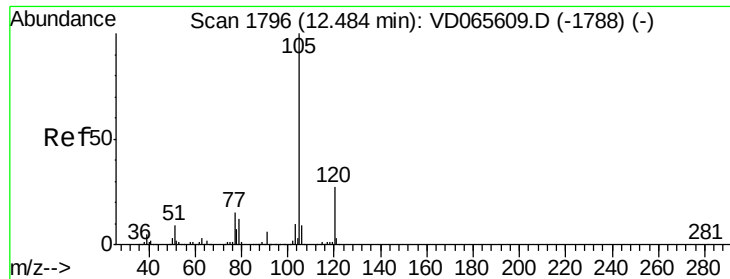


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 165.910 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3352118

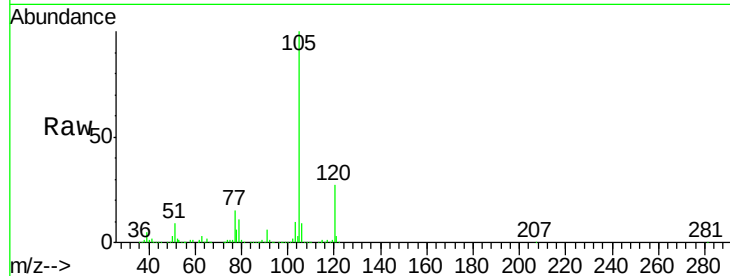
Ion Ratio Lower Upper

105 100

120 27.2 13.8 41.3

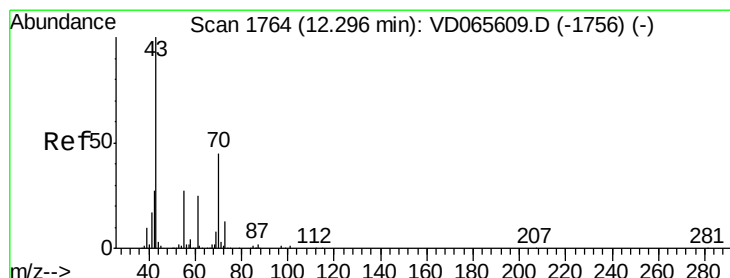
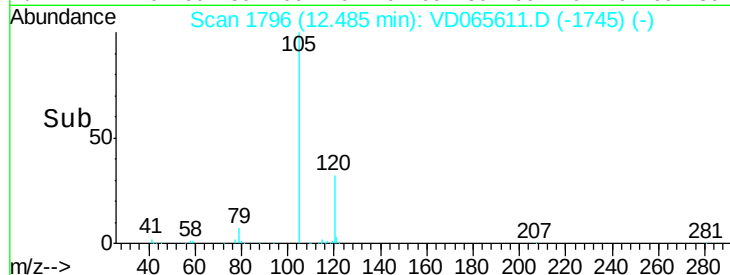
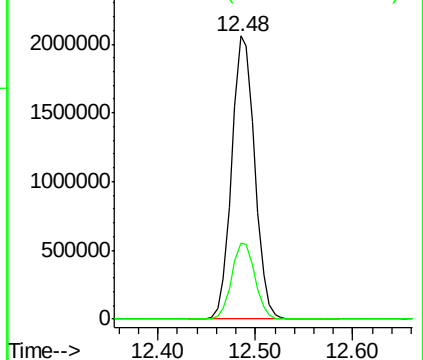
Manual Integrations
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4/10/2020 2:58:58 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 178.216 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

Tgt Ion: 43 Resp: 713100

Ion Ratio Lower Upper

43 100

70 44.5 35.2 52.8

55 26.0 22.5 33.7

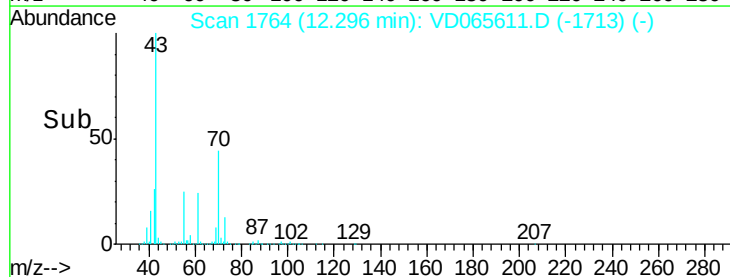
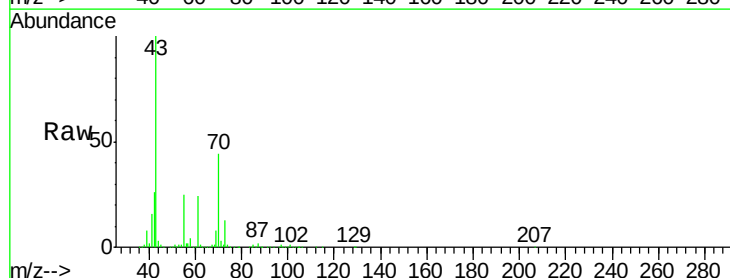
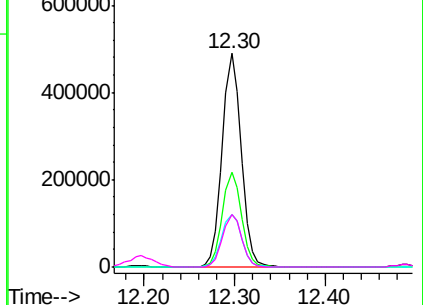
61 24.8 19.4 29.0

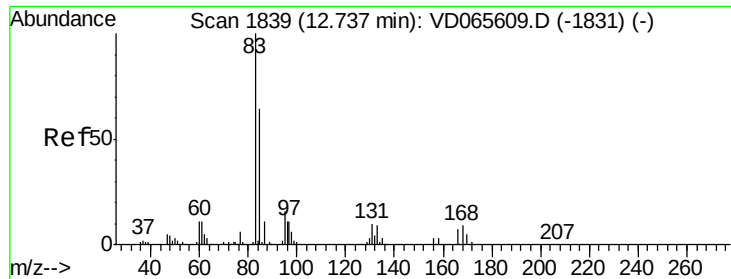
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 147.624 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 548282

Ion Ratio Lower Upper

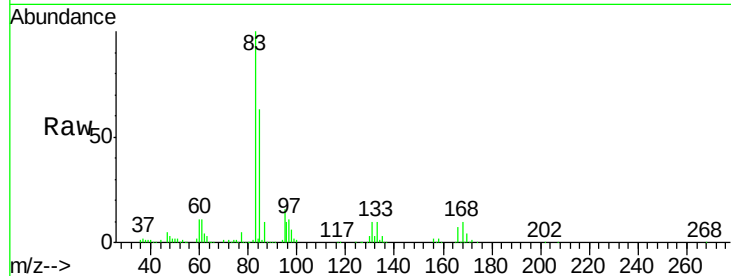
83 100

131 11.2 5.7 17.0

85 64.2 31.8 95.4

Manual Integrations
APPROVED

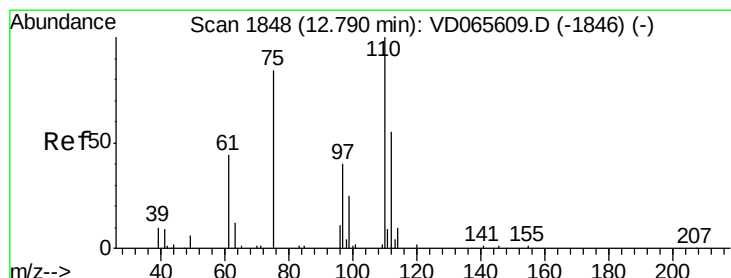
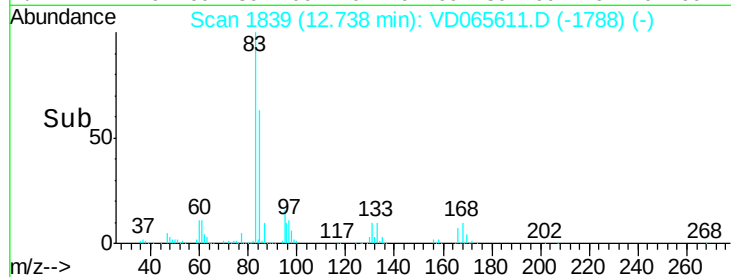
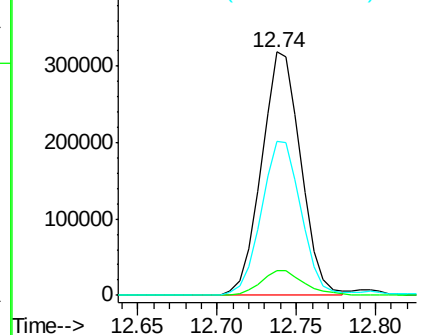
MMDadoda
4/10/2020 2:58:58 PM



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 91.352 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065611.D

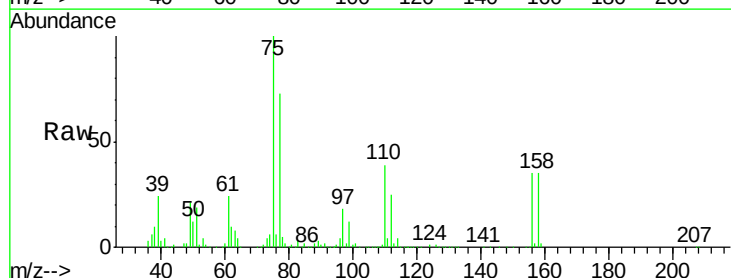
Acq: 09 Apr 2020 13:27

Tgt Ion: 75 Resp: 389201

Ion Ratio Lower Upper

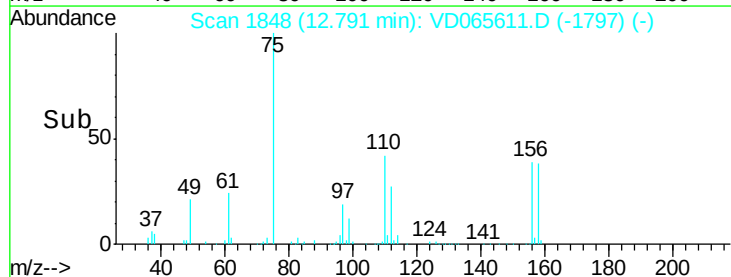
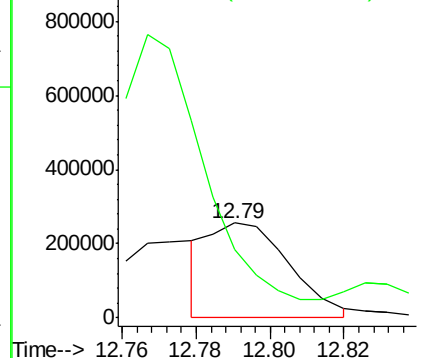
75 100

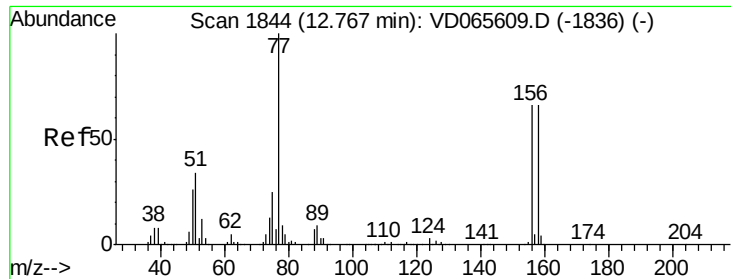
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 153.915 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 852548

Ion Ratio Lower Upper

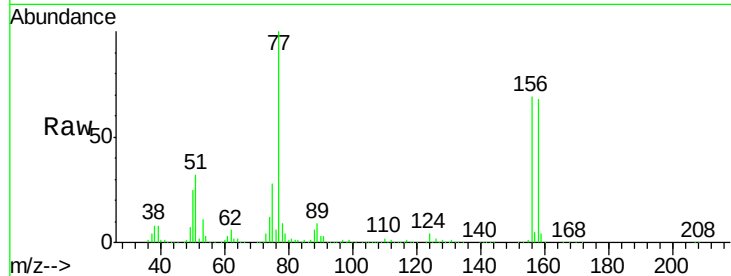
156 100

77 165.1 80.3 240.9

158 97.6 48.5 145.5

Manual Integrations
APPROVED

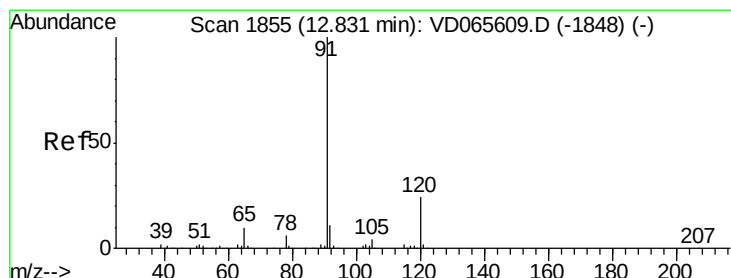
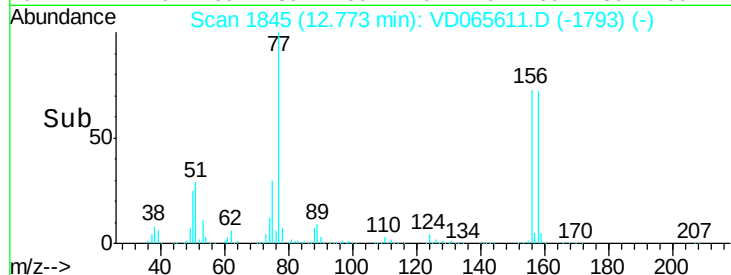
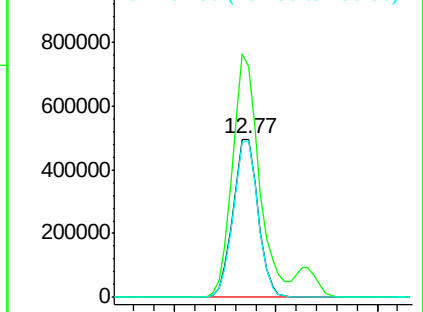
MMDadoda
4/10/2020 2:58:58 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 159.095 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VD065611.D

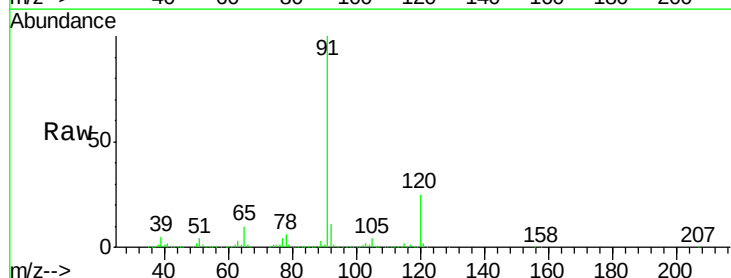
Acq: 09 Apr 2020 13:27

Tgt Ion: 91 Resp: 3879408

Ion Ratio Lower Upper

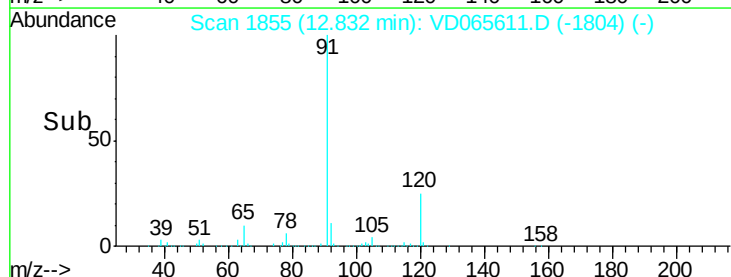
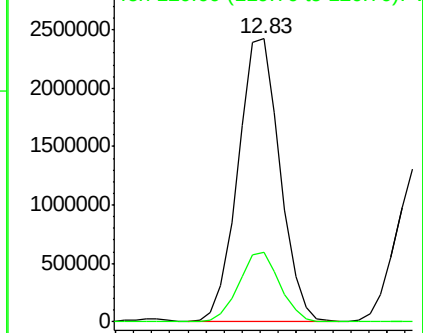
91 100

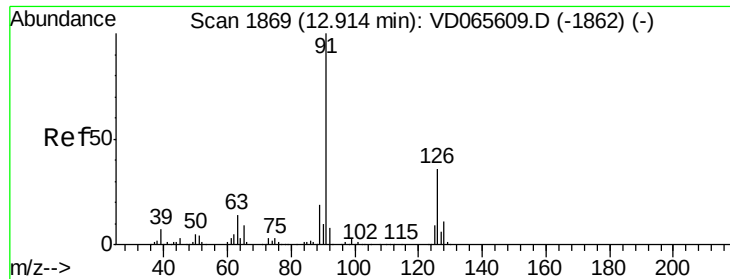
120 24.3 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 157.129 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2195857

Ion Ratio Lower Upper

91 100

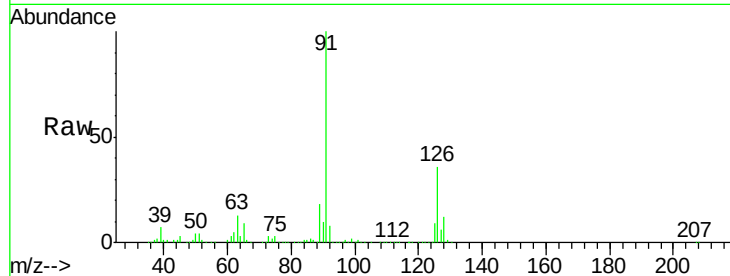
126 36.1 18.0 54.0

Manual Integrations

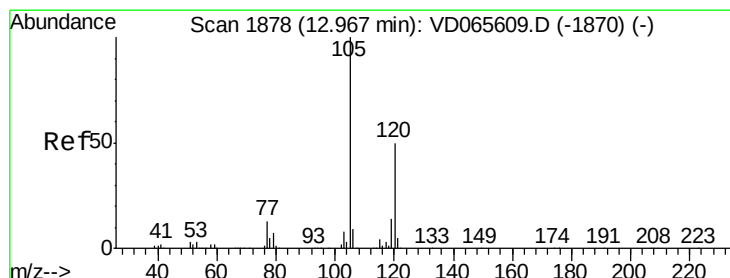
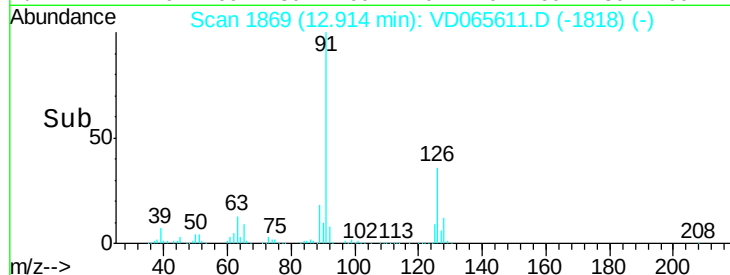
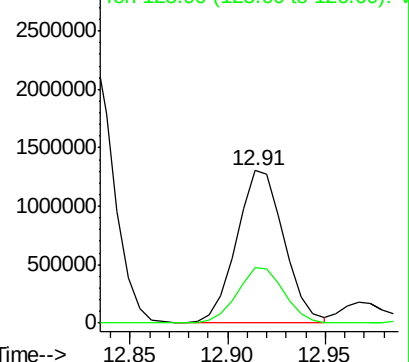
APPROVED

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Abundance Ion 91.00 (90.70 to 91.70): VD065609.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 162.156 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065611.D

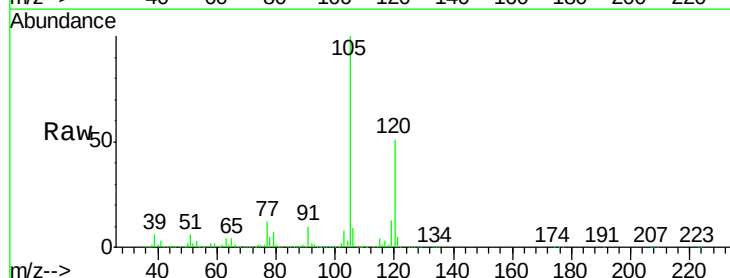
Acq: 09 Apr 2020 13:27

Tgt Ion: 105 Resp: 2761341

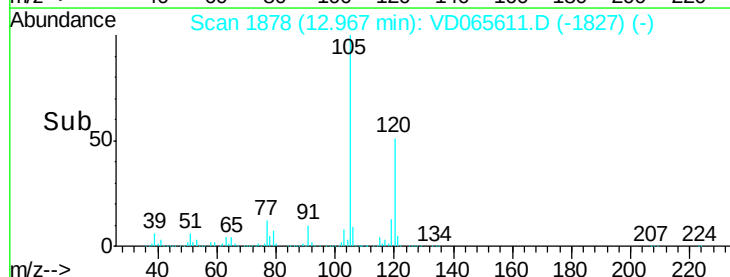
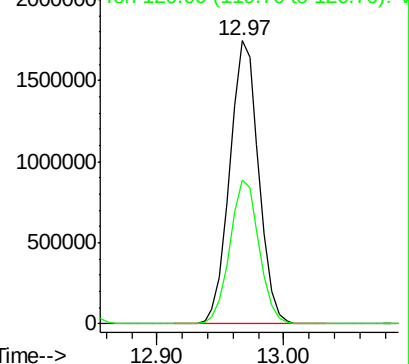
Ion Ratio Lower Upper

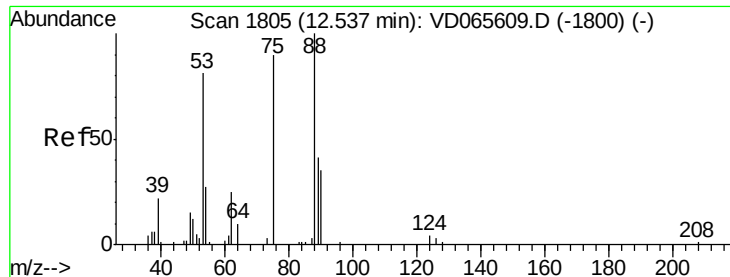
105 100

120 51.3 25.7 77.0



Abundance Ion 105.00 (104.70 to 105.70): VD065609.D (-1870) (-)





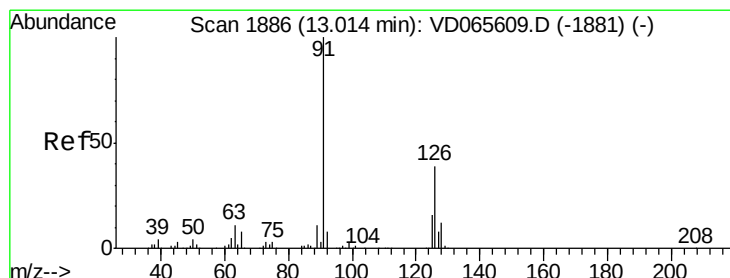
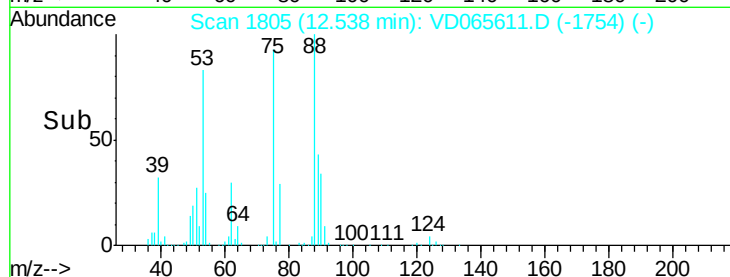
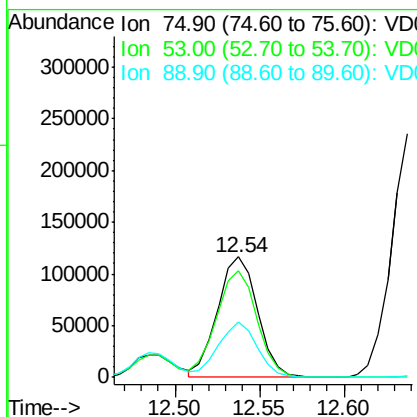
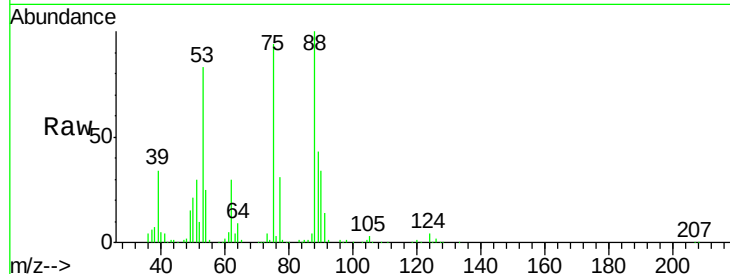
#81
trans-1,4-Dichloro-2-butene
Concen: 173.782 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065611.D
Acq: 09 Apr 2020 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.8	73.8	110.8
89	45.4	36.1	54.1

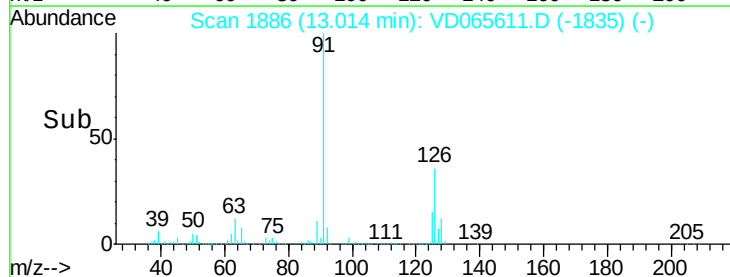
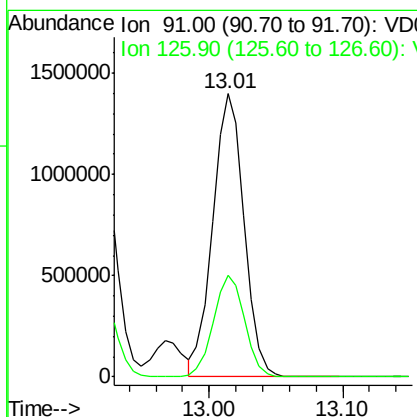
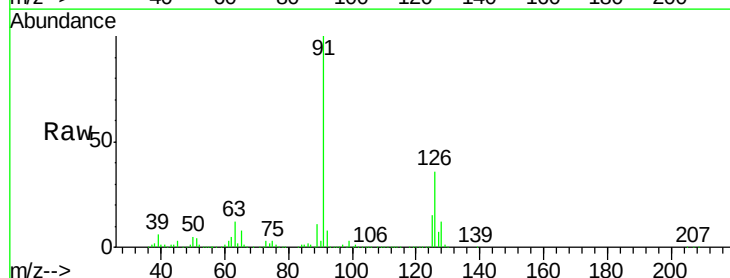
Manual Integrations
APPROVED

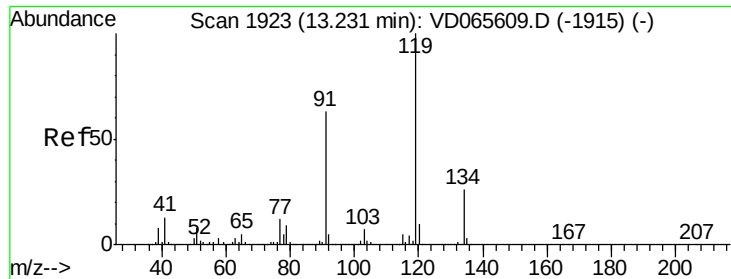
MMDadoda
4/10/2020 2:58:58 PM



#82
4-Chlorotoluene
Concen: 152.589 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065611.D
Acq: 09 Apr 2020 13:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	18.1	54.4





#83

tert-Butylbenzene

Concen: 172.127 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp: 2450969

Ion Ratio Lower Upper

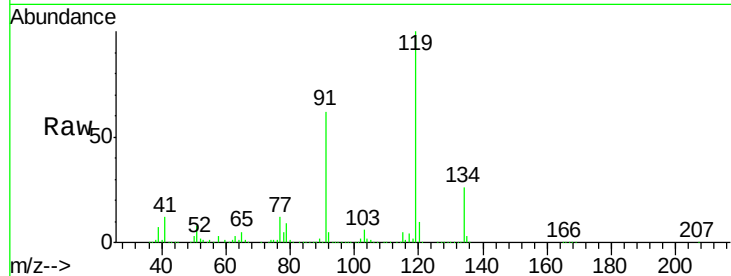
119 100

91 60.0 30.4 91.2

134 27.3 13.7 41.0

Manual Integrations
APPROVED

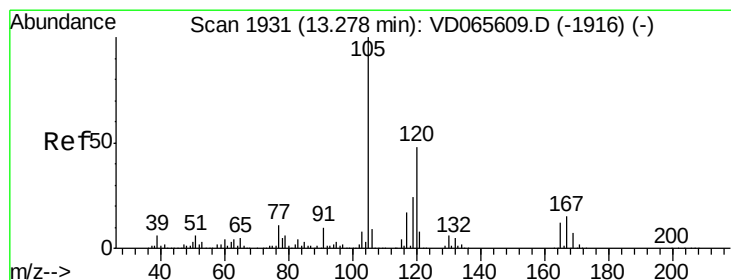
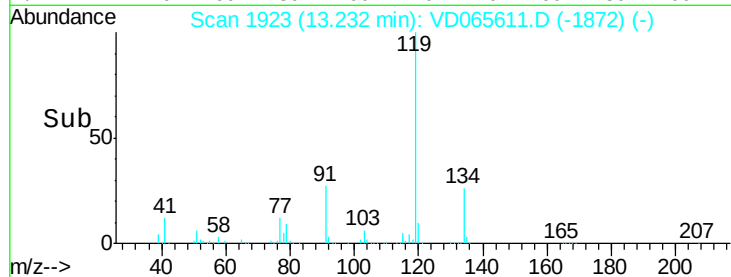
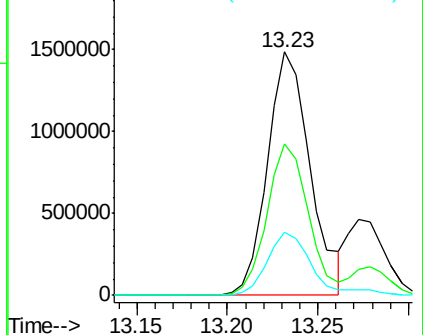
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 164.233 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. 0.00 min

Lab File: VD065611.D

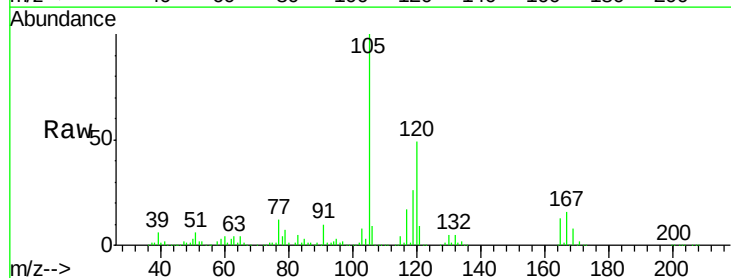
Acq: 09 Apr 2020 13:27

Tgt Ion:105 Resp: 2779214

Ion Ratio Lower Upper

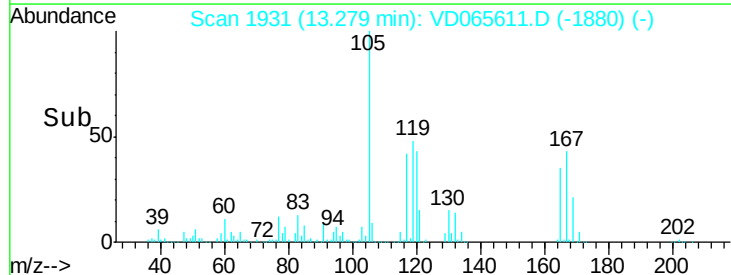
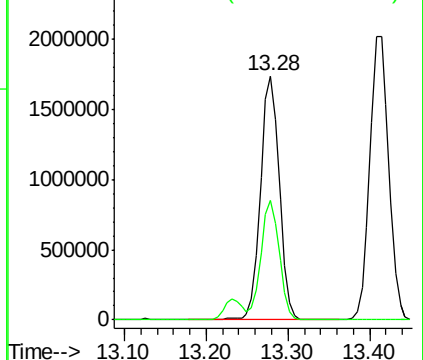
105 100

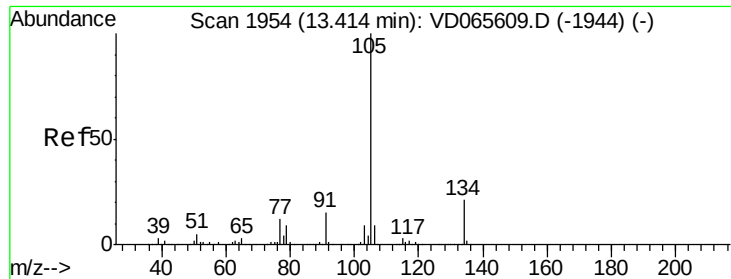
120 47.8 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 161.141 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.01 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3264986

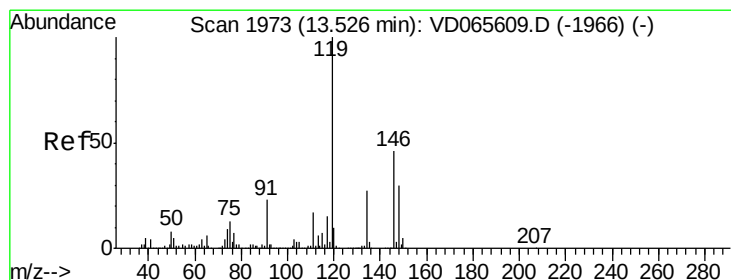
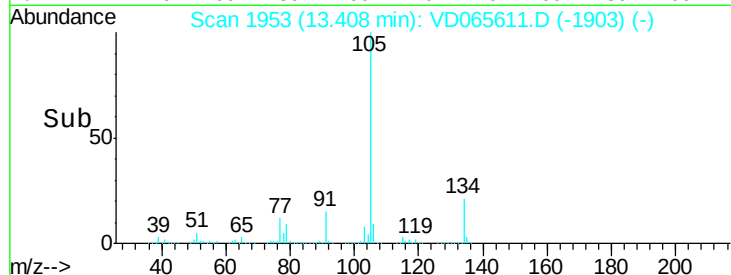
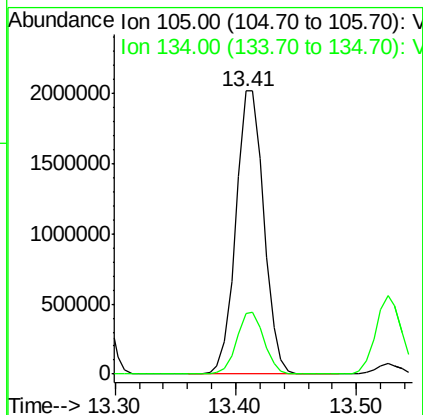
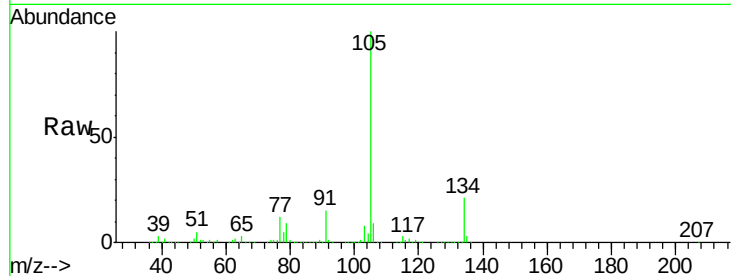
Ion Ratio Lower Upper

105 100

134 21.3 10.7 31.9

Manual Integrations
APPROVED

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#86

p-Isopropyltoluene

Concen: 166.228 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

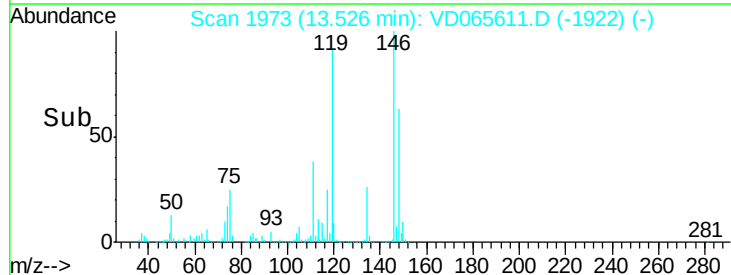
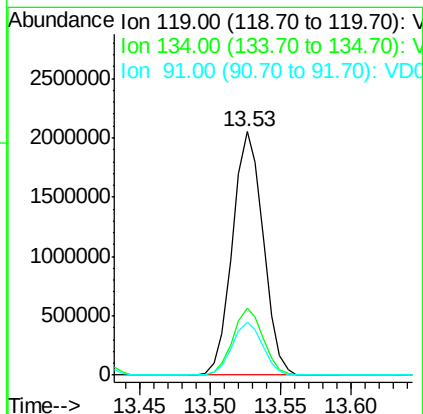
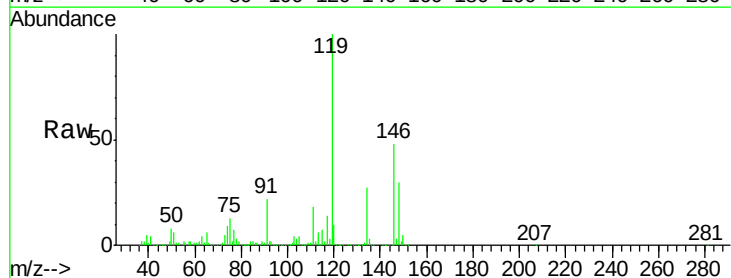
Tgt Ion:119 Resp: 3108132

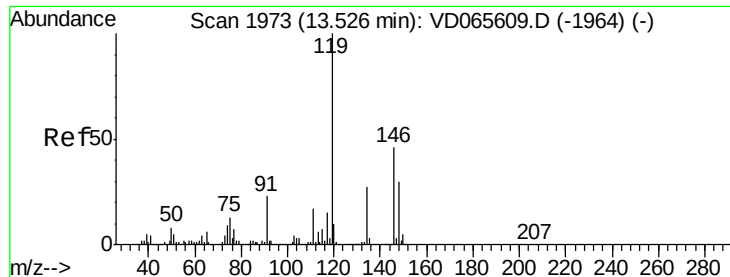
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 21.6 11.1 33.1





#87
 1,3-Dichlorobenzene
 Concen: 148.282 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065611.D
 Acq: 09 Apr 2020 13:27

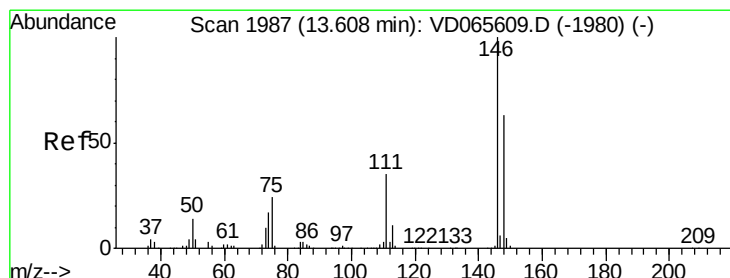
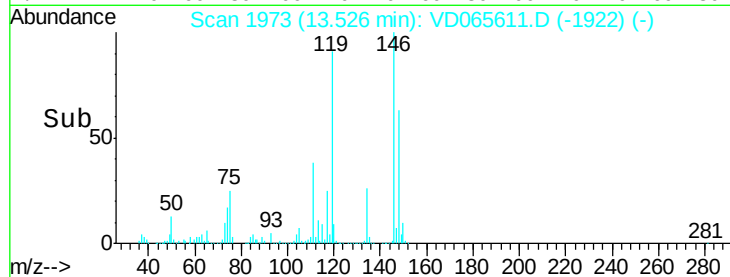
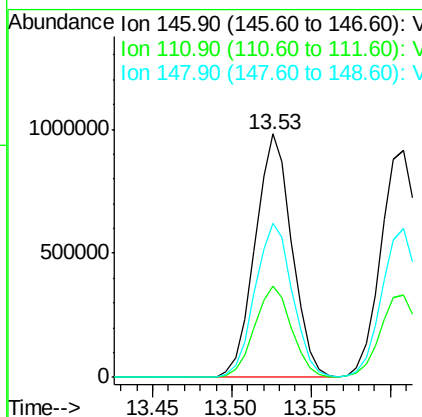
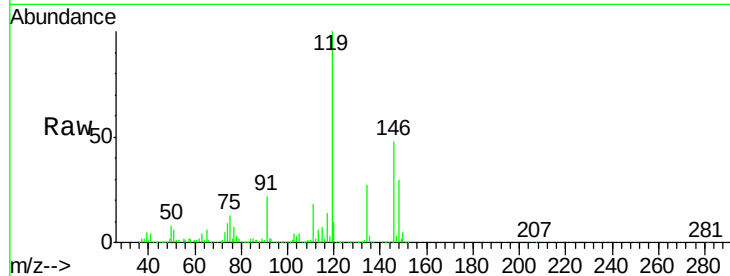
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1583893

Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.6	55.8
148	64.5	32.1	96.5

Manual Integrations
 APPROVED

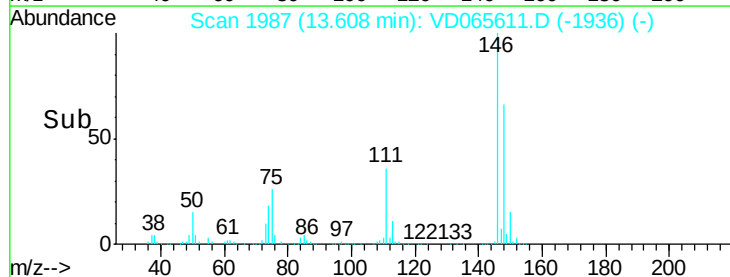
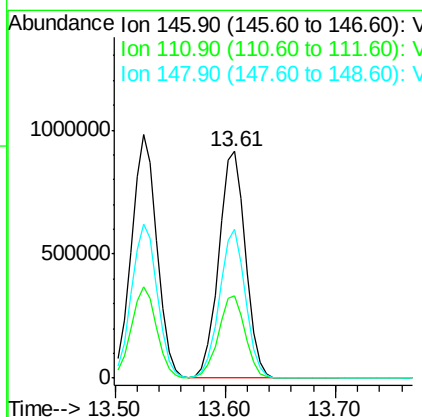
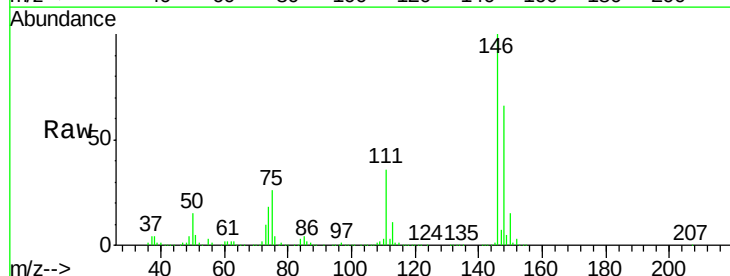
MMDadoda
 4/10/2020 2:58:58 PM

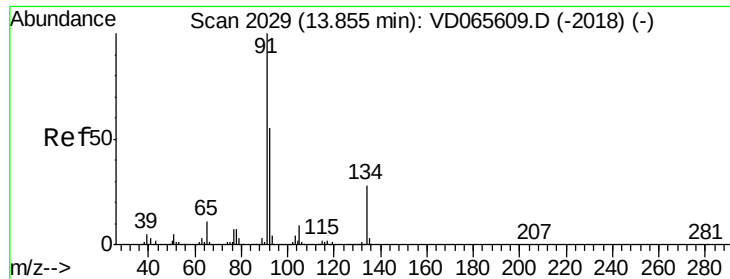


#88
 1,4-Dichlorobenzene
 Concen: 144.119 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VD065611.D
 Acq: 09 Apr 2020 13:27

Tgt Ion:146 Resp: 1537579

Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.0	54.0
148	63.8	31.8	95.4





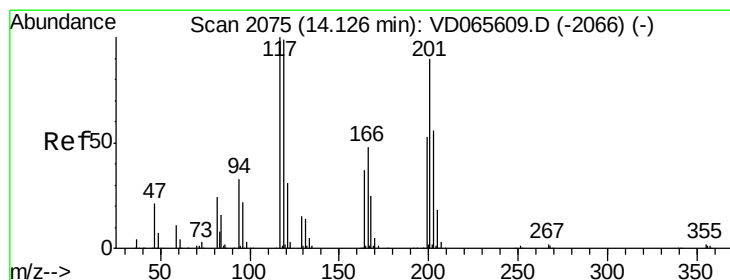
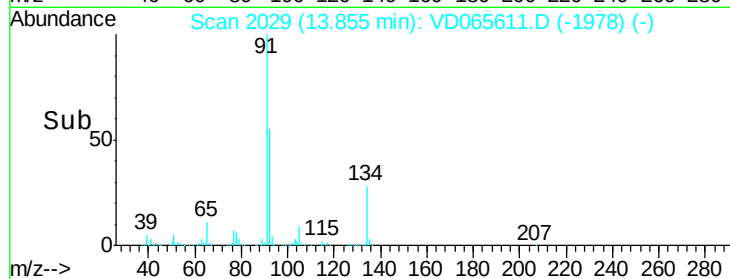
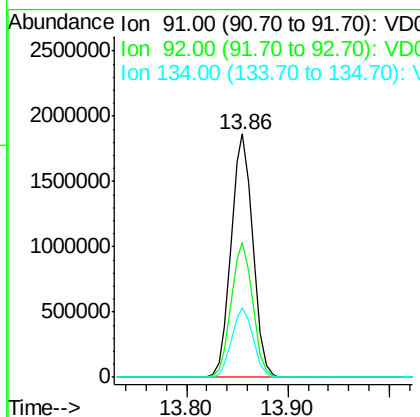
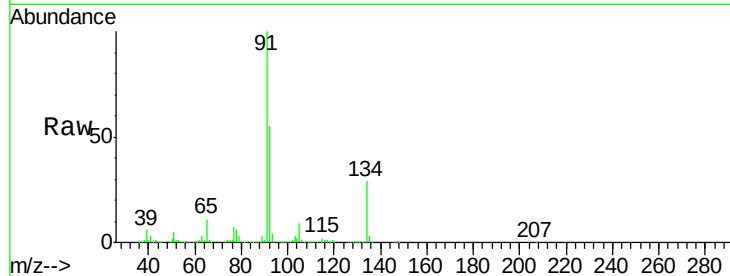
#89
n-Butylbenzene
Concen: 163.309 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065611.D
Acq: 09 Apr 2020 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.2	81.6
134	28.1	13.9	41.7

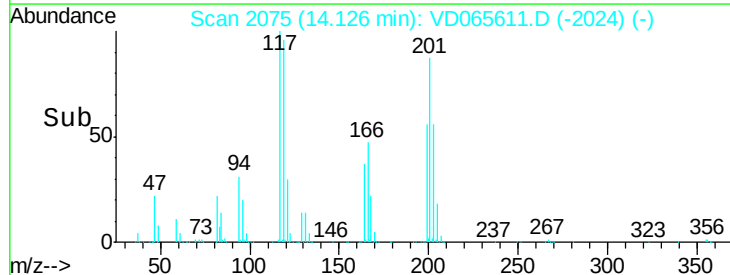
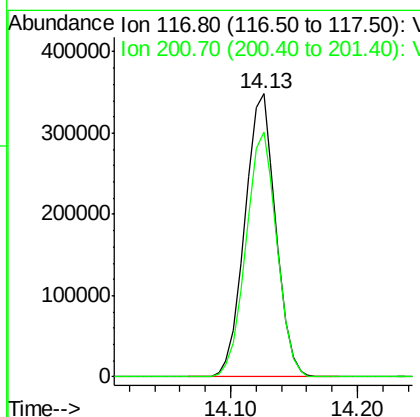
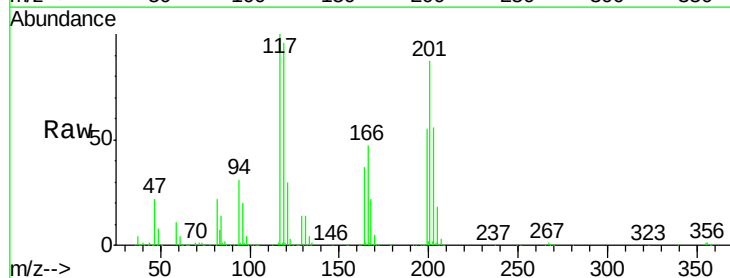
Manual Integrations
APPROVED

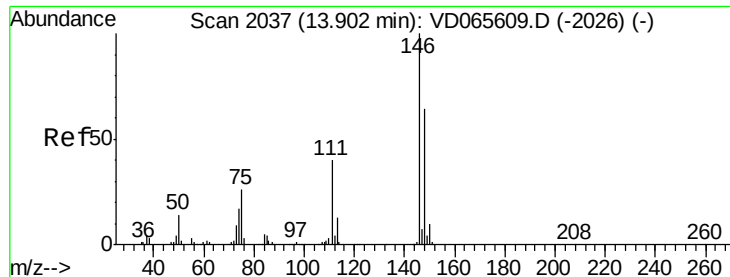
MMDadoda
4/10/2020 2:58:58 PM



#90
Hexachloroethane
Concen: 144.163 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.00 min
Lab File: VD065611.D
Acq: 09 Apr 2020 13:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.6	43.9	131.7





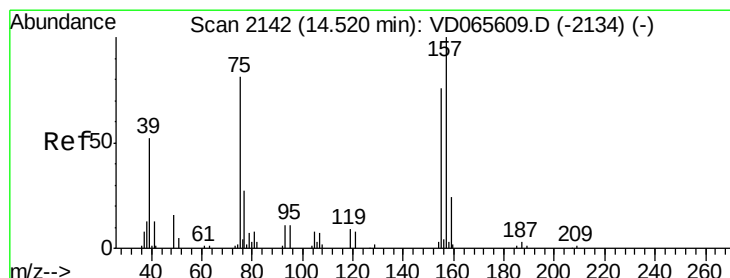
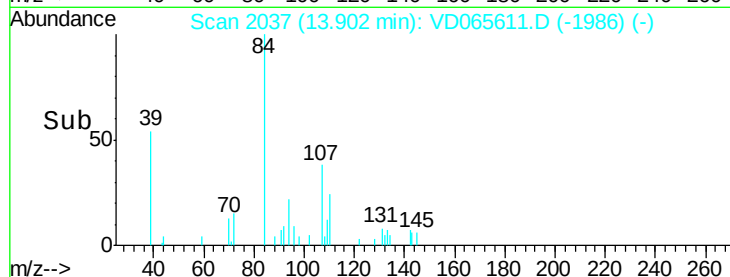
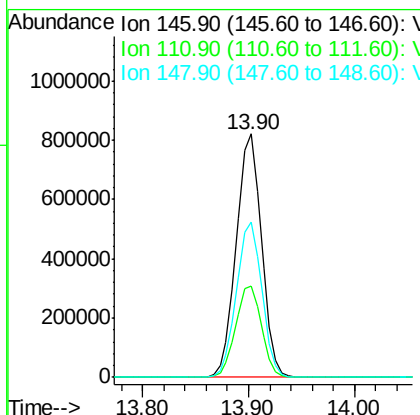
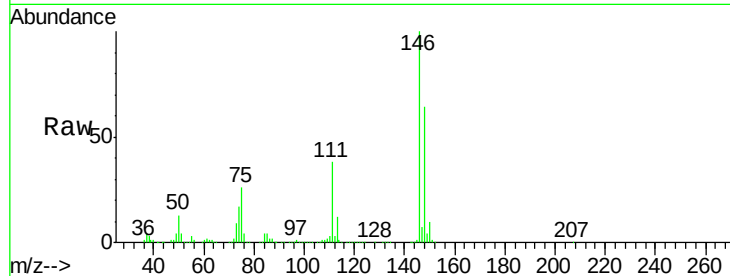
#91
 1,2-Dichlorobenzene
 Concen: 149.001 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065611.D
 Acq: 09 Apr 2020 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.5
148	64.1	31.8	95.4

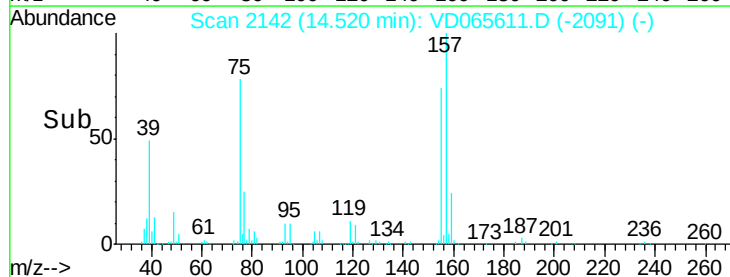
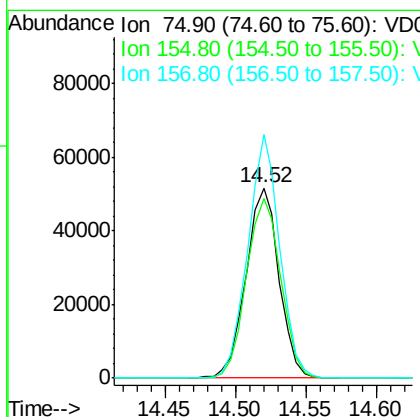
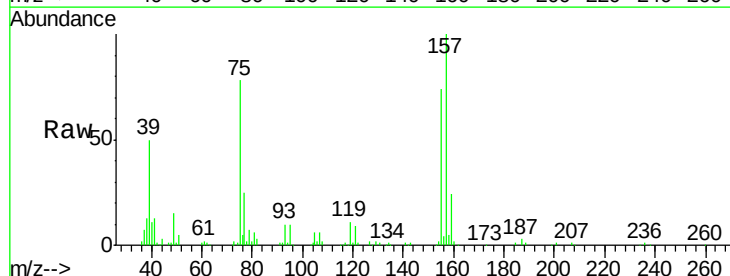
Manual Integrations
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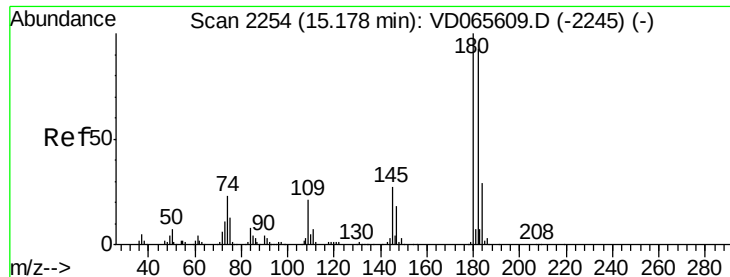
MMDadoda
 4/10/2020 2:58:58 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 148.102 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065611.D
 Acq: 09 Apr 2020 13:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.3	46.8	140.4
157	123.7	59.6	178.7





#93

1,2,4-Trichlorobenzene

Concen: 165.085 ug/l

RT: 15.18 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VD065611.D

Acq: 09 Apr 2020 13:27

Instrument :

MSVOA_D

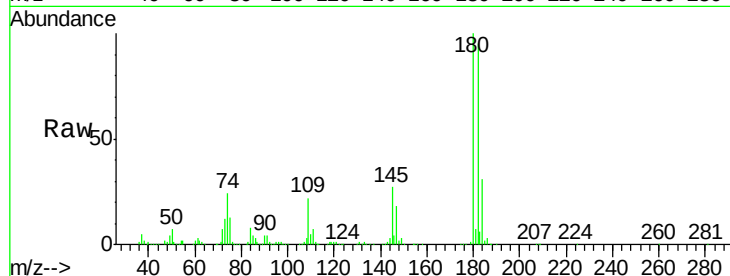
ClientSampleId :

VSTDIC150

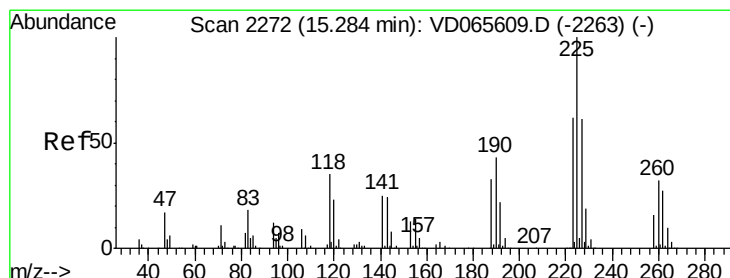
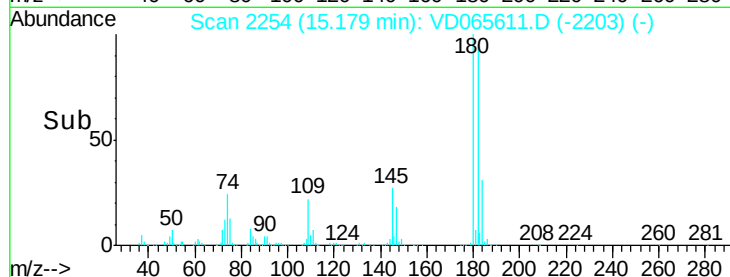
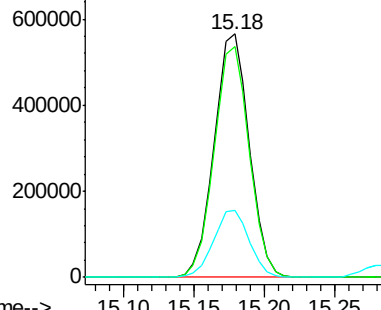
Tot Ion:	180	Resp:	985399
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.0	141.2
145	28.0	14.0	41.9

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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: 147.660 ug/l

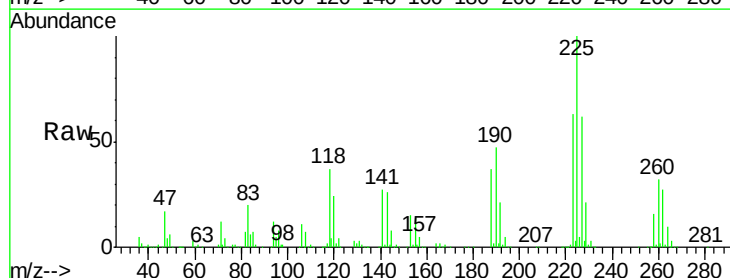
RT: 15.28 min Scan# 2271

Delta R.T. -0.01 min

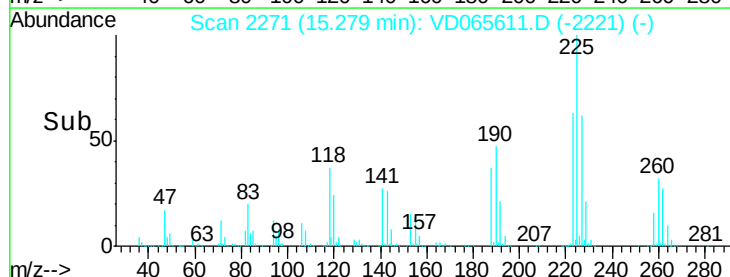
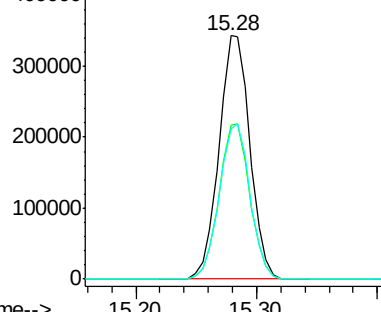
Lab File: VD065611.D

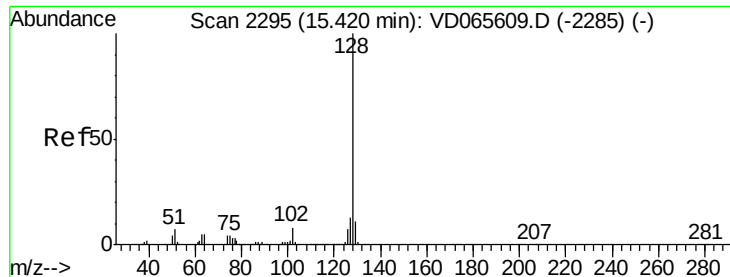
Acq: 09 Apr 2020 13:27

Tgt Ion:	225	Resp:	612643
Ion Ratio	Lower	Upper	
225	100		
223	63.1	31.6	94.7
227	63.5	31.6	95.0



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





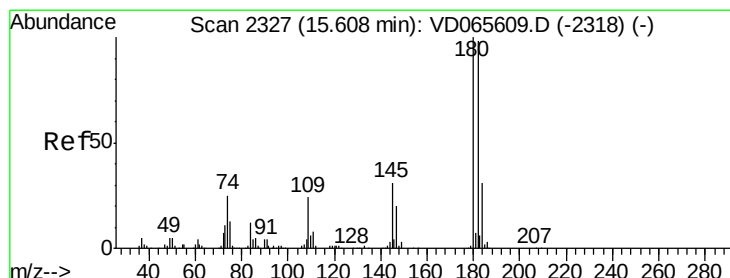
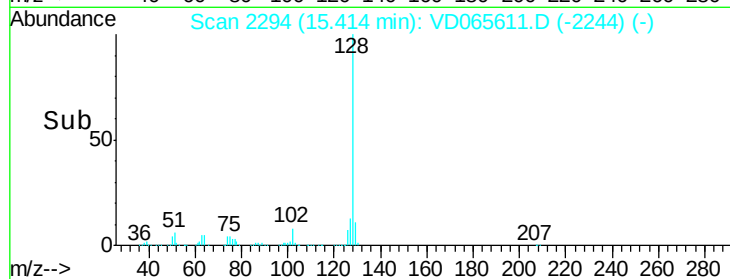
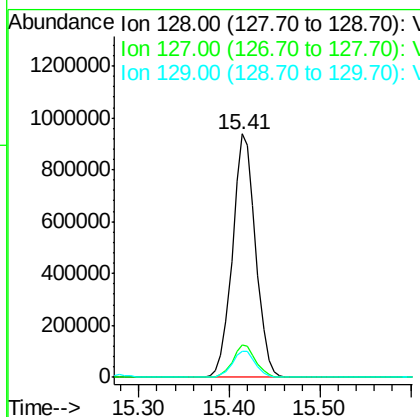
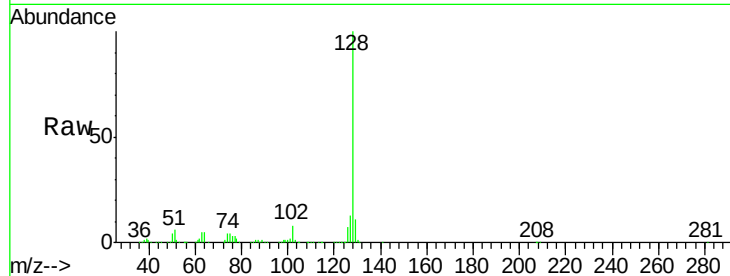
#95
Naphthalene
Concen: 191.917 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.01 min
Lab File: VD065611.D
Acq: 09 Apr 2020 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	11.0	8.4	12.6

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#96
1,2,3-Trichlorobenzene
Concen: 167.142 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065611.D
Acq: 09 Apr 2020 13:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.7	143.1
145	30.1	15.2	45.6

