

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062220\
 Data File : VD065848.D
 Acq On : 22 Jun 2020 16:57
 Operator : VA/SY
 Sample : VD0622SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 11:02:19 AM

Quant Time: Jun 23 07:10:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	188460	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	299867	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	274761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	140074	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	97615	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
35) Dibromofluoromethane	7.91	113	95450	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
50) Toluene-d8	10.34	98	364641	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
62) 4-Bromofluorobenzene	12.64	95	121399	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	30616	21.939	ug/l	99
3) Chloromethane	2.21	50	57359	24.211	ug/l	99
4) Vinyl Chloride	2.35	62	66079	23.765	ug/l	98
5) Bromomethane	2.76	94	47442	24.398	ug/l	99
6) Chloroethane	2.92	64	45321	24.106	ug/l	100
7) Trichlorofluoromethane	3.27	101	70857	22.493	ug/l	99
8) Diethyl Ether	3.71	74	17218	20.789	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	40517	21.569	ug/l	96
10) Methyl Iodide	4.30	142	35062	19.168	ug/l	98
11) Tert butyl alcohol	5.22	59	15788	134.865	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	37128	21.686	ug/l	97
13) Acrolein	3.93	56	7502	71.722	ug/l	91
14) Allyl chloride	4.71	41	60627	21.425	ug/l	98
15) Acrylonitrile	5.42	53	40166	106.775	ug/l	97
16) Acetone	4.16	43	37553	106.904	ug/l	90
17) Carbon Disulfide	4.41	76	119982	20.880	ug/l	99
18) Methyl Acetate	4.72	43	19233	22.259	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	80018	20.634	ug/l	92
20) Methylene Chloride	4.96	84	47088	22.823	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	43945	21.917	ug/l	90
22) Diisopropyl ether	6.37	45	123751	21.644	ug/l	98
23) Vinyl Acetate	6.31	43	347174	107.531	ug/l	99
24) 1,1-Dichloroethane	6.27	63	75234	21.596	ug/l	99
25) 2-Butanone	7.21	43	52140	107.475	ug/l	93
26) 2,2-Dichloropropane	7.21	77	67327	21.796	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	47228	21.897	ug/l	98
28) Bromochloromethane	7.54	49	28972	21.533	ug/l	97
29) Tetrahydrofuran	7.56	42	32674	106.564	ug/l	97
30) Chloroform	7.71	83	76357	21.146	ug/l	94
31) Cyclohexane	7.99	56	72745	21.782	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	71515	21.539	ug/l	98
36) 1,1-Dichloropropene	8.11	75	61309	21.343	ug/l	99
37) Ethyl Acetate	7.30	43	25414	22.461	ug/l	98
38) Carbon Tetrachloride	8.10	117	65323	21.608	ug/l	98

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Manual Integrations
 APPROVED

MMDadoda
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Quant Time: Jun 23 07:10:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	71656	21.069	ug/l	98
40) Benzene	8.35	78	170230	21.677	ug/l	99
41) Methacrylonitrile	7.53	41	14356	21.309	ug/l #	73
42) 1,2-Dichloroethane	8.43	62	50007	21.105	ug/l	99
43) Isopropyl Acetate	8.46	43	46117	20.497	ug/l	98
44) Trichloroethene	9.11	130	45940	21.021	ug/l	96
45) 1,2-Dichloropropane	9.39	63	42165	21.369	ug/l	97
46) Dibromomethane	9.48	93	21426	20.022	ug/l	99
47) Bromodichloromethane	9.67	83	60228	21.002	ug/l	91
48) Methyl methacrylate	9.46	41	23896	21.942	ug/l	98
49) 1,4-Dioxane	9.46	88	5108	448.446	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	113964	103.371	ug/l	99
52) Toluene	10.41	92	110591	21.674	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	54720	21.072	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	64194	20.931	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	29954	20.948	ug/l	92
56) Ethyl methacrylate	10.66	69	34250	20.364	ug/l	95
57) 1,3-Dichloropropane	10.95	76	52512	21.198	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	85310	109.103	ug/l	100
59) 2-Hexanone	10.99	43	80472	108.266	ug/l	100
60) Dibromochloromethane	11.14	129	38871	20.123	ug/l	97
61) 1,2-Dibromoethane	11.25	107	27985	19.915	ug/l	97
64) Tetrachloroethene	10.88	164	39120	21.056	ug/l	94
65) Chlorobenzene	11.67	112	113020	21.070	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	40878	20.445	ug/l	97
67) Ethyl Benzene	11.75	91	203979	21.287	ug/l	95
68) m/p-Xylenes	11.86	106	157980	42.802	ug/l	100
69) o-Xylene	12.18	106	71785	21.571	ug/l	97
70) Styrene	12.20	104	121204	21.039	ug/l	98
71) Bromoform	12.37	173	21386	19.423	ug/l #	97
73) Isopropylbenzene	12.48	105	198100	21.094	ug/l	98
74) N-amyl acetate	12.29	43	42256	20.224	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	32494	20.487	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	19526m	17.924	ug/l	
77) Bromobenzene	12.76	156	45181	20.333	ug/l	93
78) n-propylbenzene	12.83	91	244014	21.585	ug/l	99
79) 2-Chlorotoluene	12.91	91	134373	21.668	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	167947	21.490	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	10725	21.272	ug/l	98
82) 4-Chlorotoluene	13.01	91	141223	21.216	ug/l	98
83) tert-Butylbenzene	13.23	119	141612	20.883	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	167716	21.440	ug/l	99
85) sec-Butylbenzene	13.41	105	198312	21.014	ug/l	99
86) p-Isopropyltoluene	13.52	119	185134	21.403	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	90771	20.718	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	89496	20.535	ug/l	97
89) n-Butylbenzene	13.85	91	175154	21.232	ug/l	99
90) Hexachloroethane	14.12	117	35806	20.681	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	79614	21.115	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5321	20.158	ug/l	94

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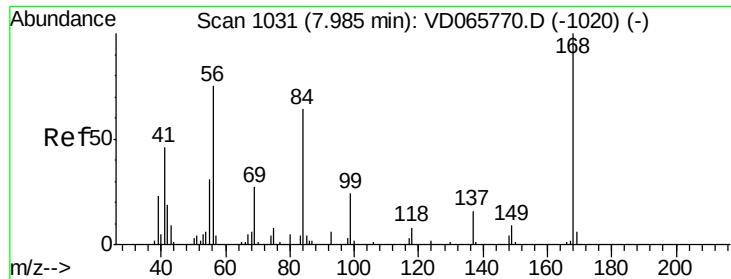
Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	50992	19.890	ug/l	96
94) Hexachlorobutadiene	15.27	225	30032	19.378	ug/l	98
95) Naphthalene	15.41	128	83667	19.266	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	43511	19.706	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion:168 Resp: 188460

Ion Ratio Lower Upper

168 100

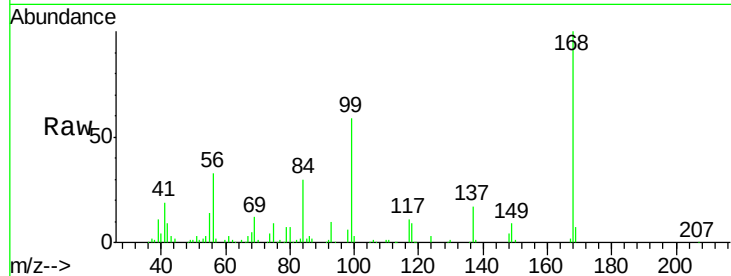
99 58.5 45.3 67.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

80000

60000

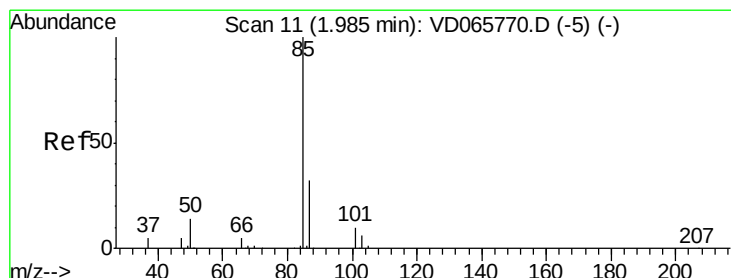
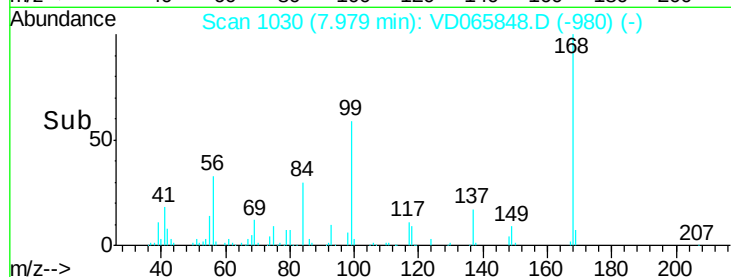
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.939 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065848.D

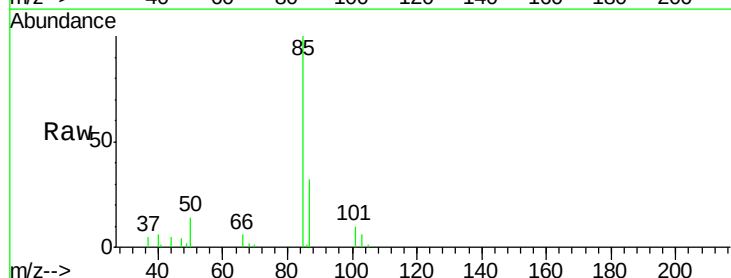
Acq: 22 Jun 2020 16:57

Tgt Ion: 85 Resp: 30616

Ion Ratio Lower Upper

85 100

87 31.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

25000

20000

15000

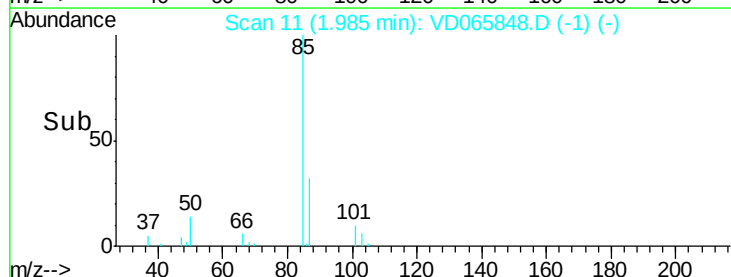
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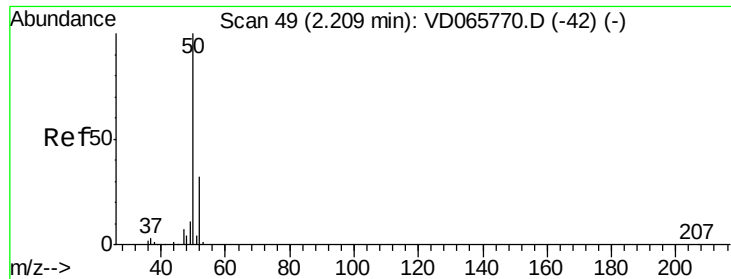
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 24.211 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 50 Resp: 57359

Ion Ratio Lower Upper

50 100

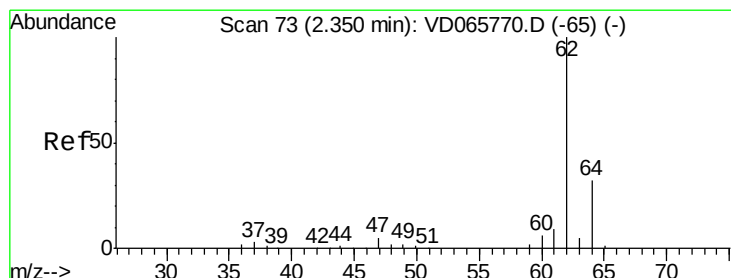
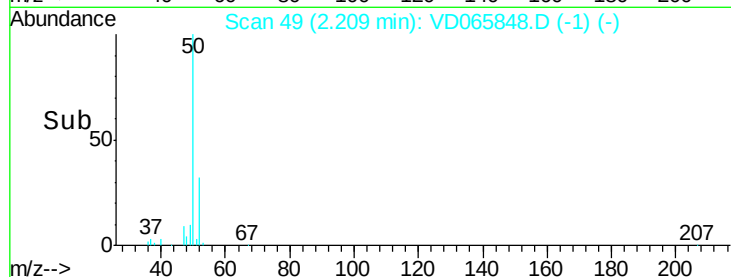
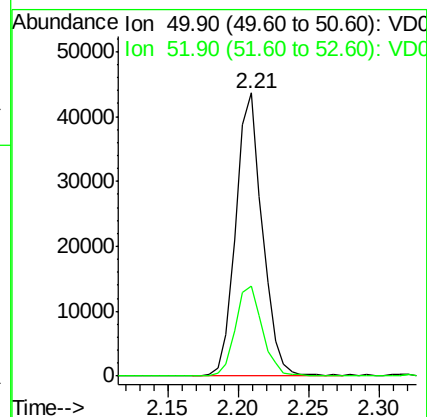
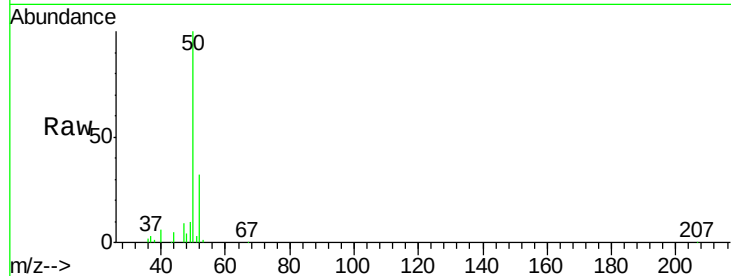
52 31.7 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 23.765 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065848.D

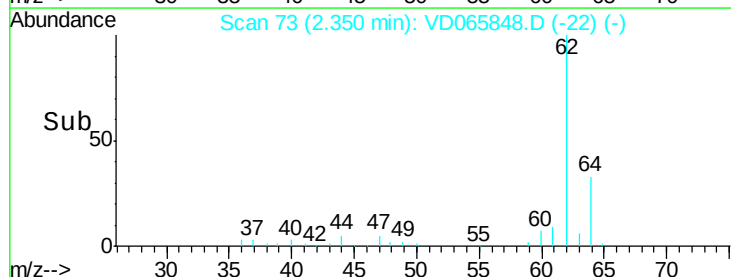
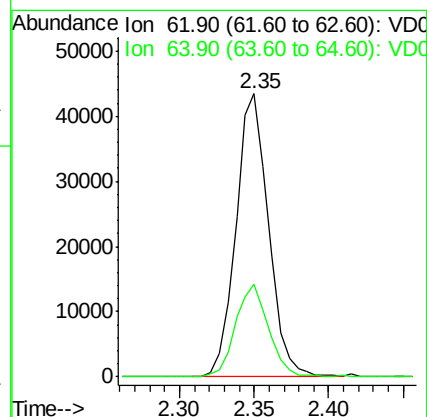
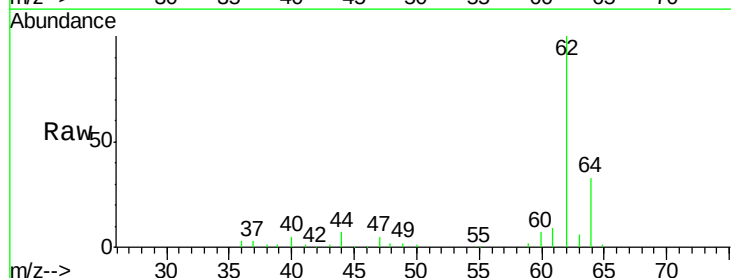
Acq: 22 Jun 2020 16:57

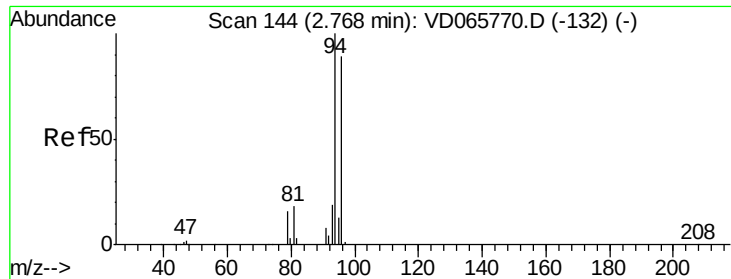
Tgt Ion: 62 Resp: 66079

Ion Ratio Lower Upper

62 100

64 32.6 25.3 37.9





#5

Bromomethane

Concen: 24.398 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 94 Resp: 47442

Ion Ratio Lower Upper

94 100

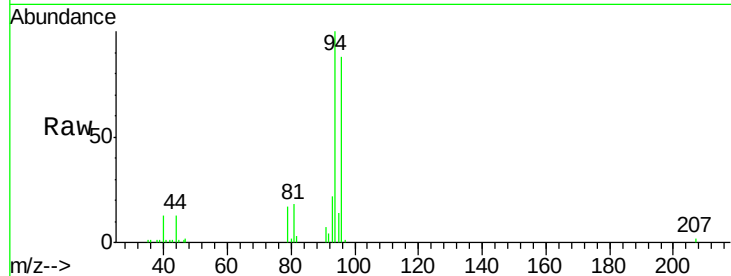
96 87.9 71.4 107.0

Manual Integrations

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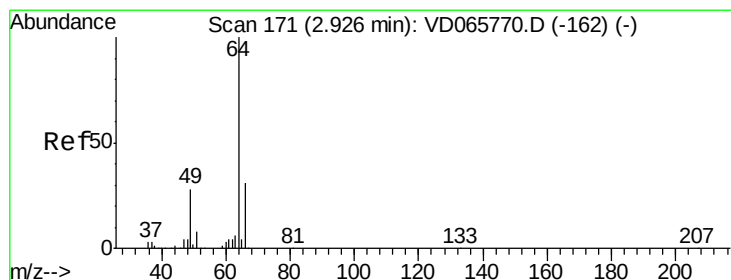
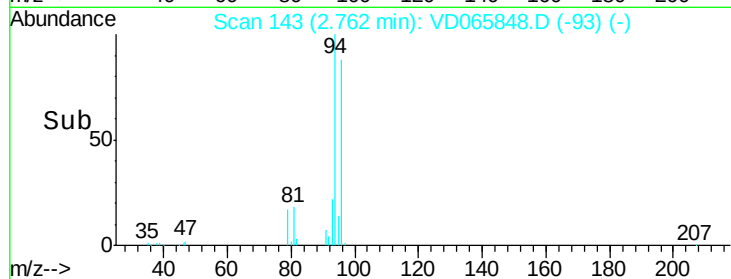
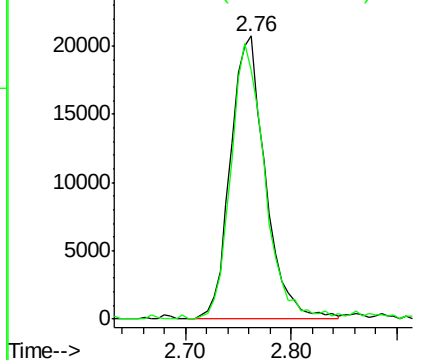
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 24.106 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065848.D

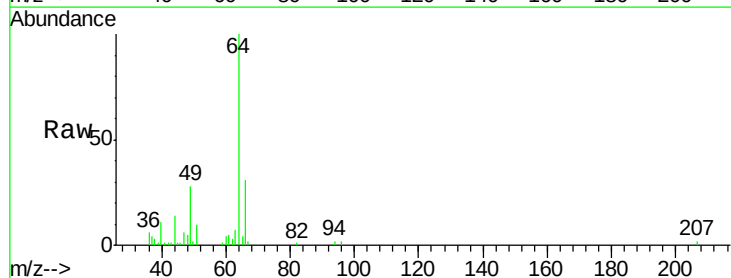
Acq: 22 Jun 2020 16:57

Tgt Ion: 64 Resp: 45321

Ion Ratio Lower Upper

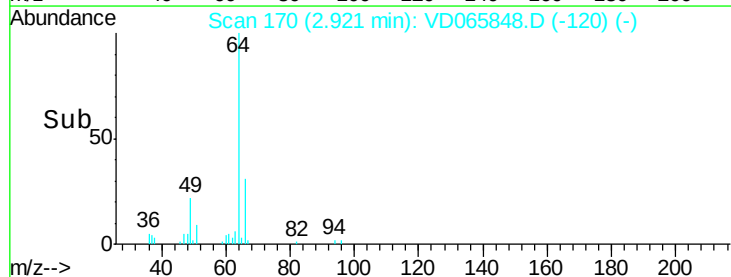
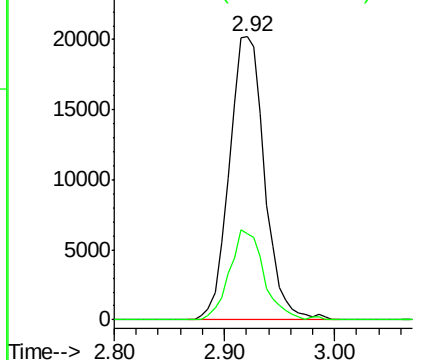
64 100

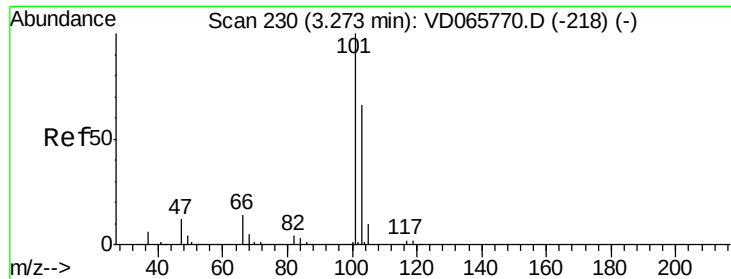
66 30.5 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

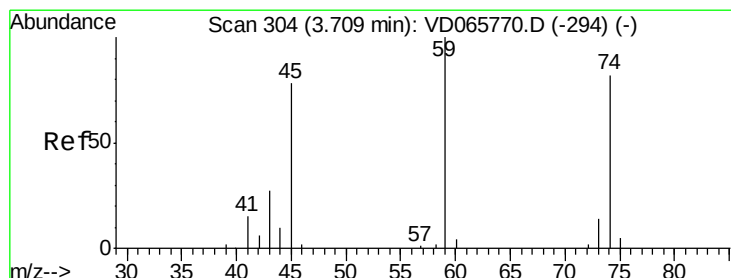
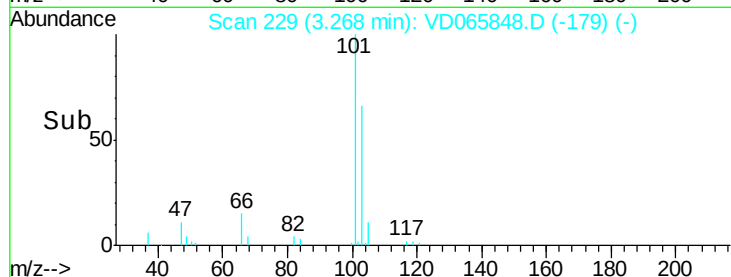
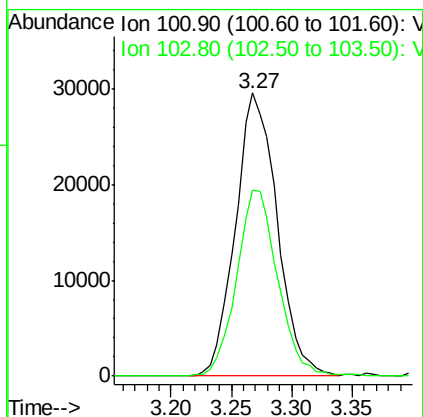
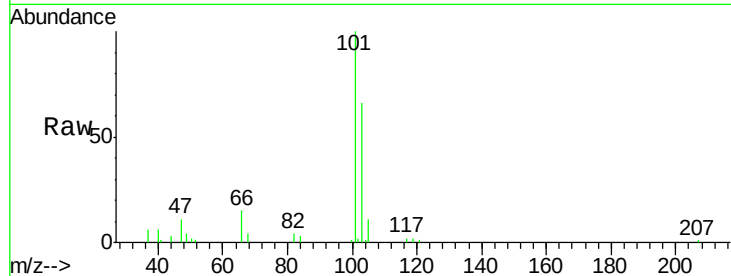
Trichlorofluoromethane
Concen: 22.493 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

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VD0622SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		70857		
103	65.6	53.1	79.7		

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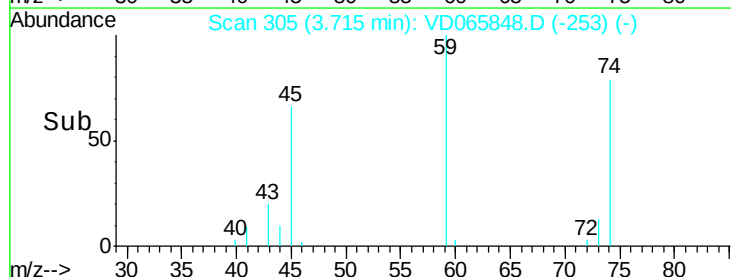
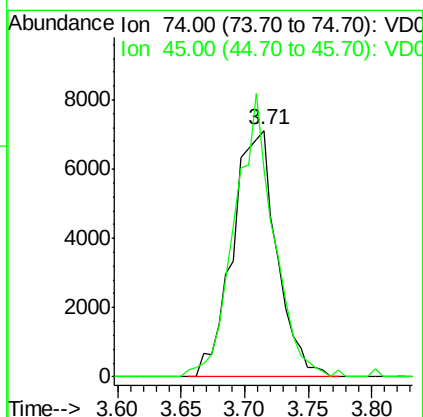
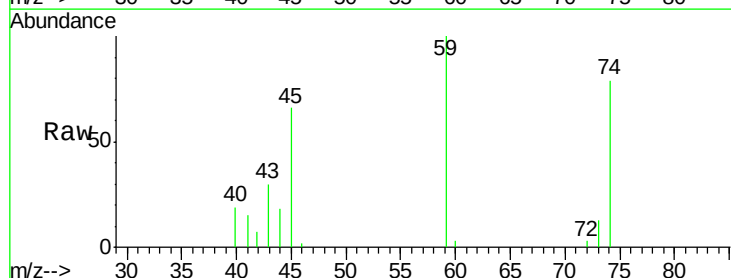
MMDadoda
6/23/2020 11:02:19 AM

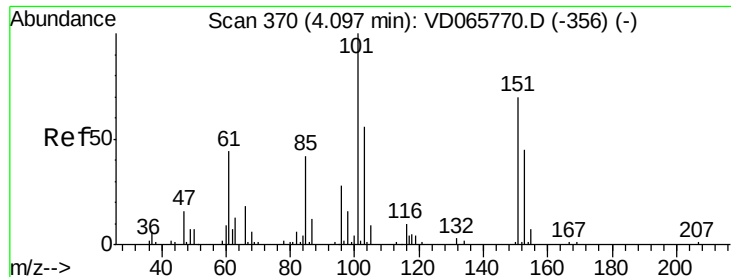


#8

Diethyl Ether
Concen: 20.789 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		17218		
45	101.0	47.9	143.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.569 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

Instrument :

MSVOA_D

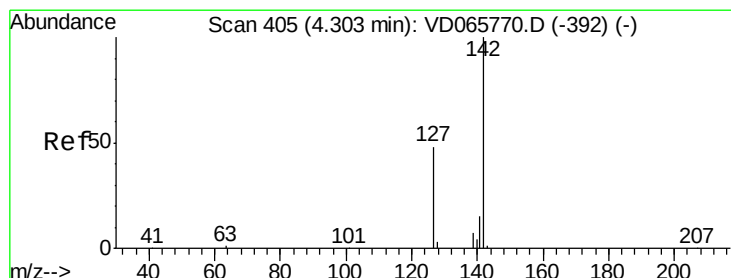
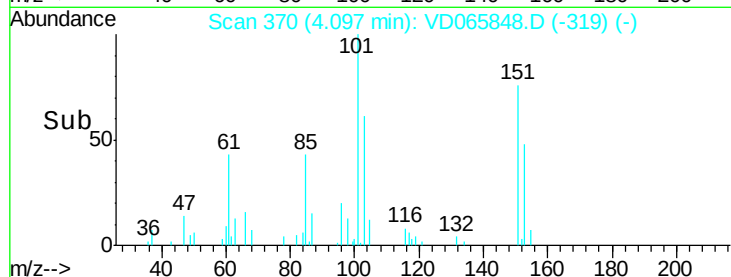
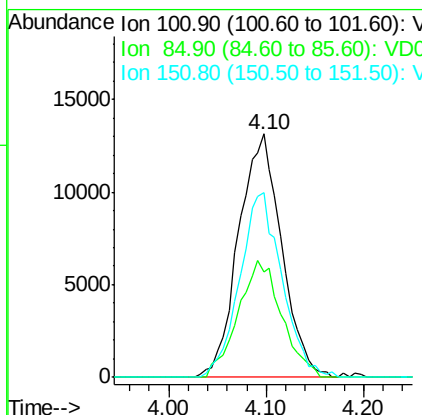
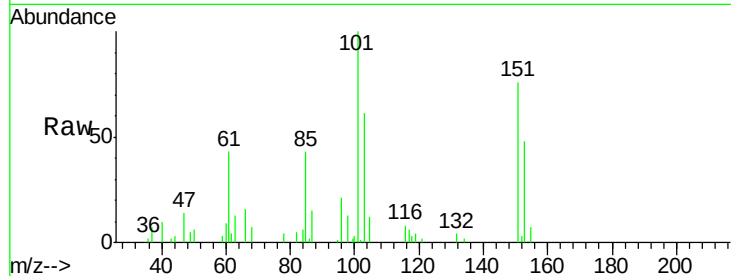
ClientSampleId :

VD0622SBS01

Tot Ion:	101	Resp:	40517
Ion Ratio	Lower	Upper	
101	100		
85	48.5	36.5	54.7
151	74.5	61.8	92.6

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#10

Methyl Iodide

Concen: 19.168 ug/l

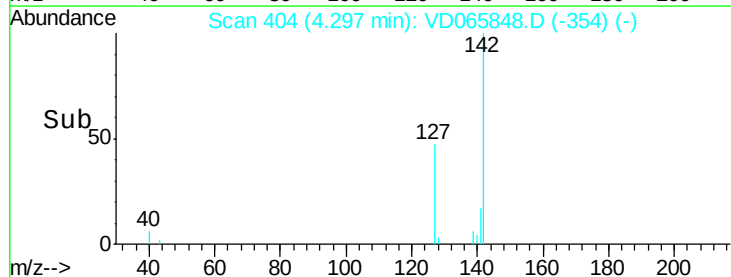
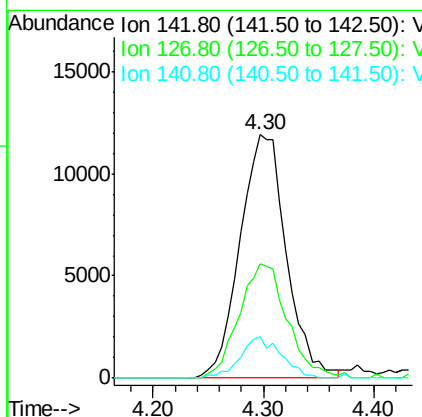
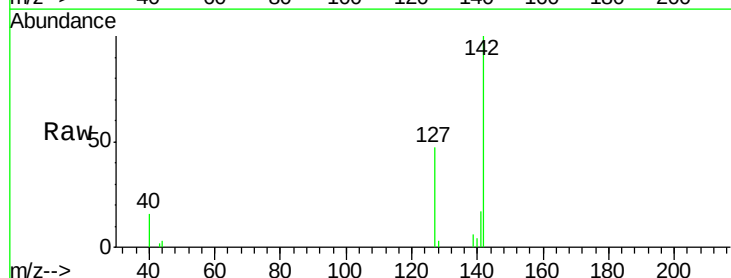
RT: 4.30 min Scan# 404

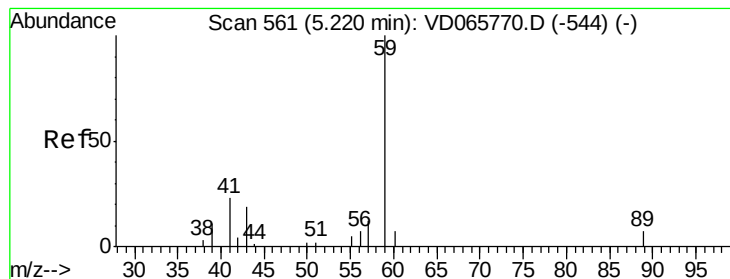
Delta R.T. -0.01 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

Tgt Ion:	142	Resp:	35062
Ion Ratio	Lower	Upper	
142	100		
127	48.8	37.6	56.4
141	15.1	12.1	18.1





#11

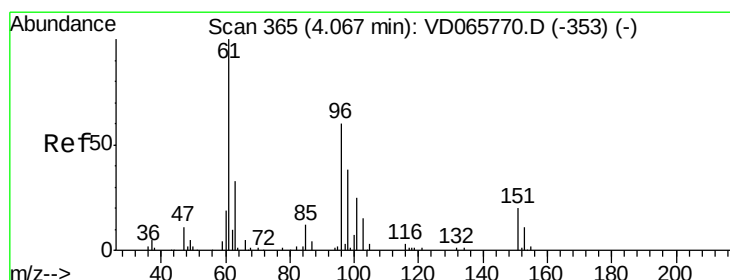
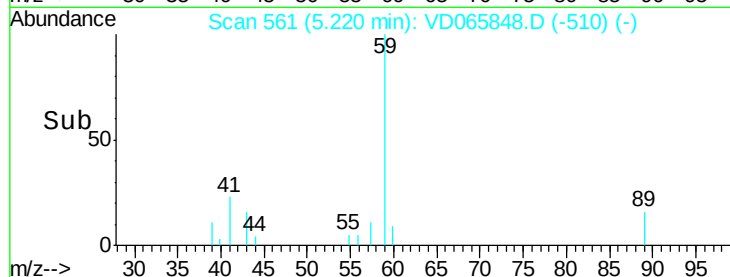
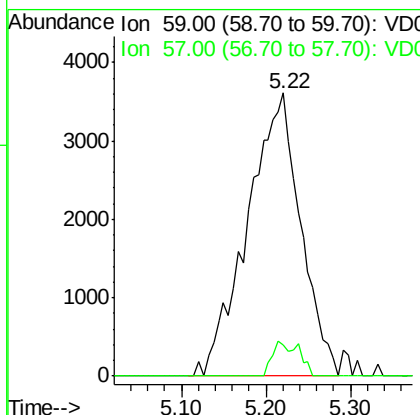
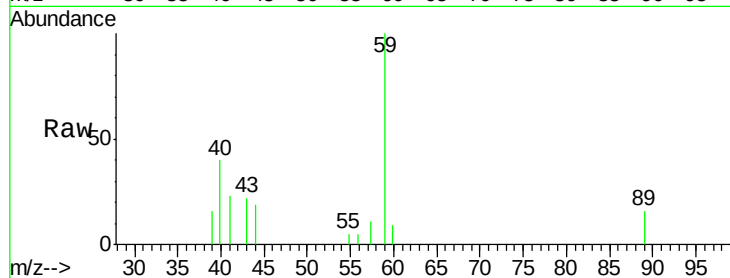
Tert butyl alcohol
 Concen: 134.865 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD065848.D
 Acq: 22 Jun 2020 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.1	7.5	11.3#

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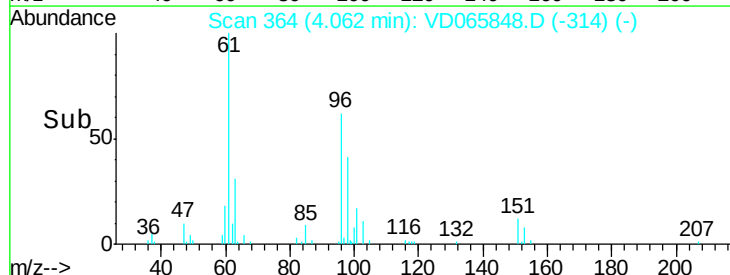
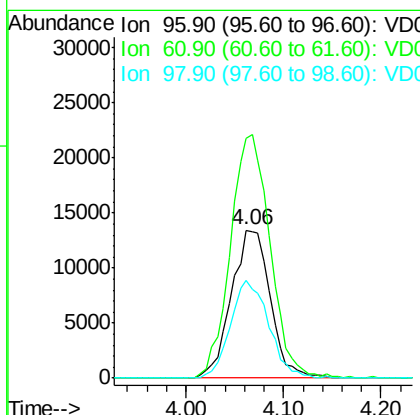
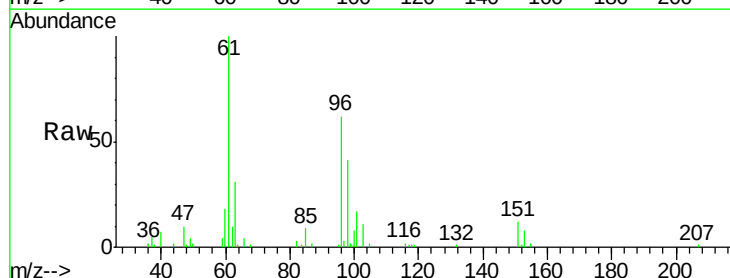
MMDadoda
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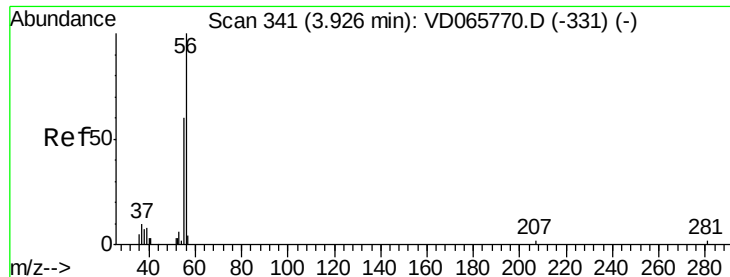


#12

1,1-Dichloroethene
 Concen: 21.686 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD065848.D
 Acq: 22 Jun 2020 16:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.8	132.3	198.5
98	65.8	50.7	76.1





#13

Acrolein

Concen: 71.722 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 56 Resp: 7502

Ion Ratio Lower Upper

56 100

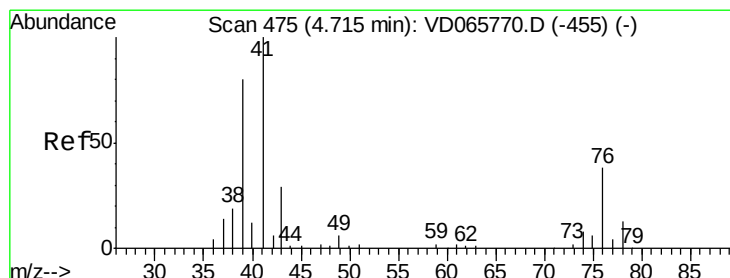
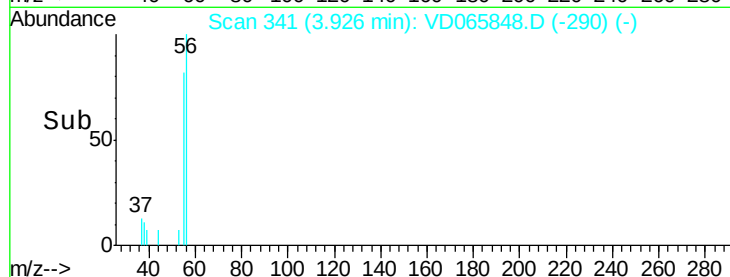
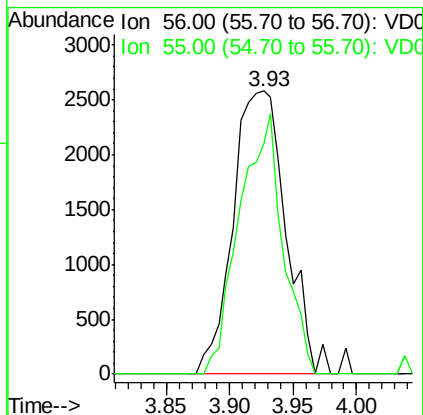
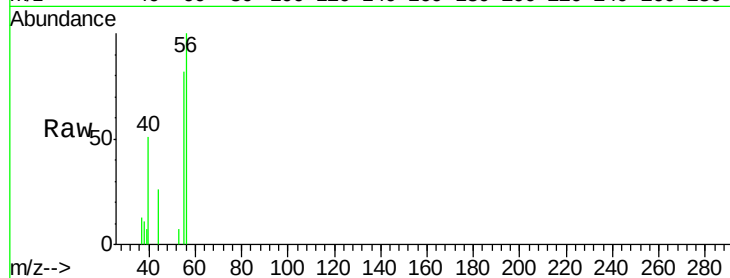
55 75.6 54.8 82.2

Manual Integrations

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#14

Allyl chloride

Concen: 21.425 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

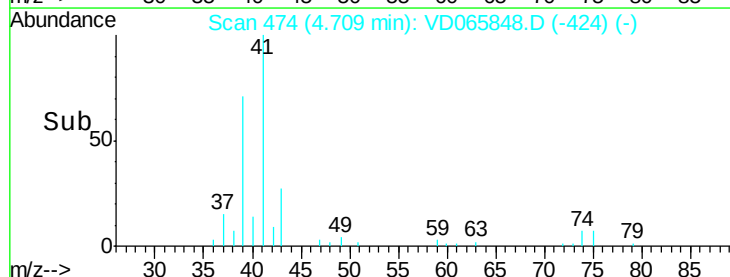
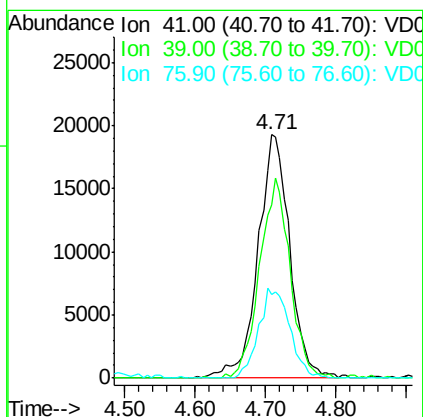
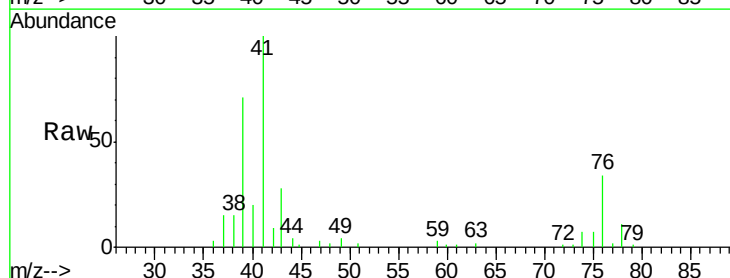
Tgt Ion: 41 Resp: 60627

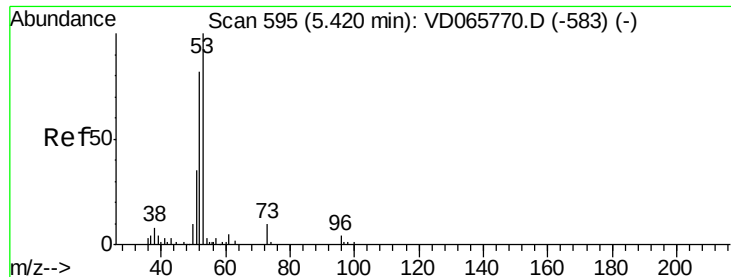
Ion Ratio Lower Upper

41 100

39 78.6 60.9 91.3

76 36.1 28.9 43.3





#15

Acrylonitrile

Concen: 106.775 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

Instrument :

MSVOA_D

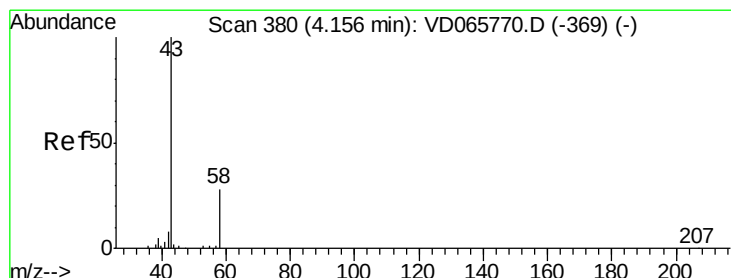
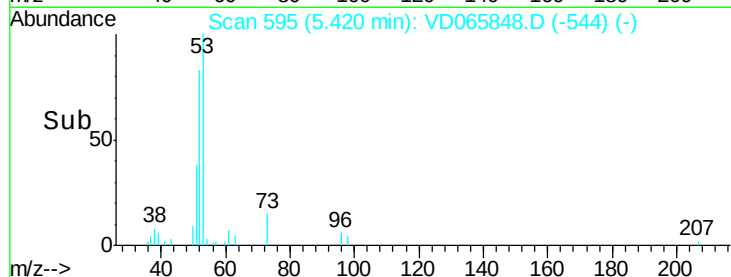
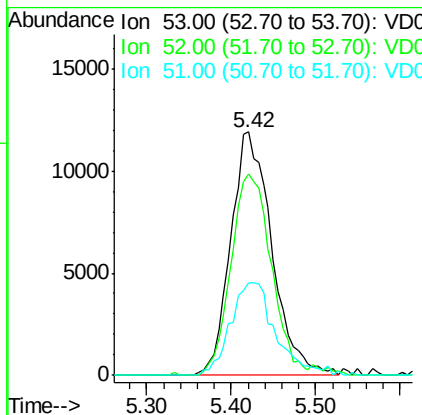
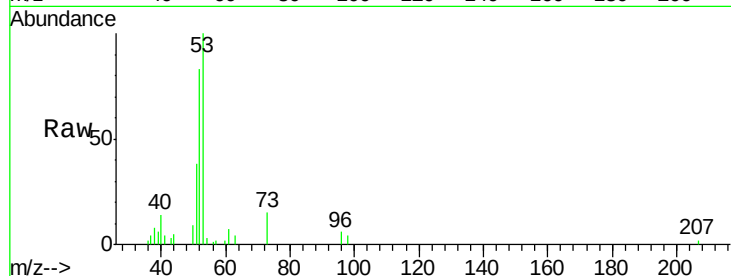
ClientSampleId :

VD0622SBS01

Tot Ion:	53	Resp:	40166
Ion	Ratio	Lower	Upper
53	100		
52	80.7	66.2	99.2
51	41.6	30.7	46.1

Manual Integrations
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#16

Acetone

Concen: 106.904 ug/l

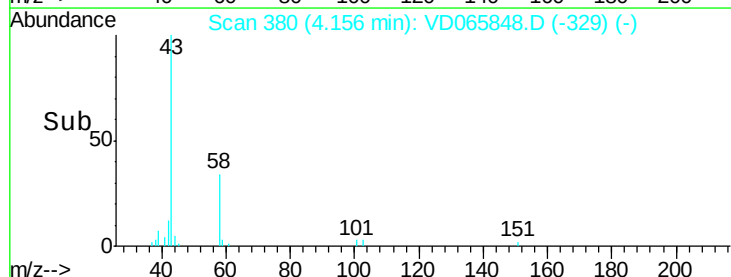
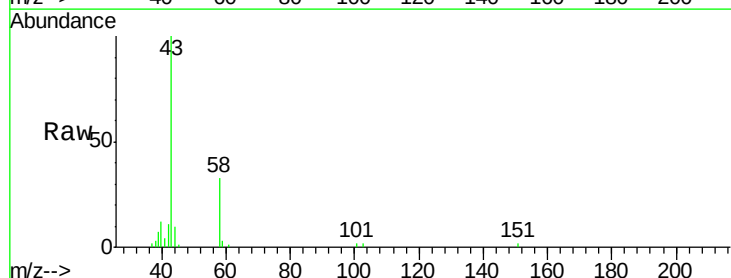
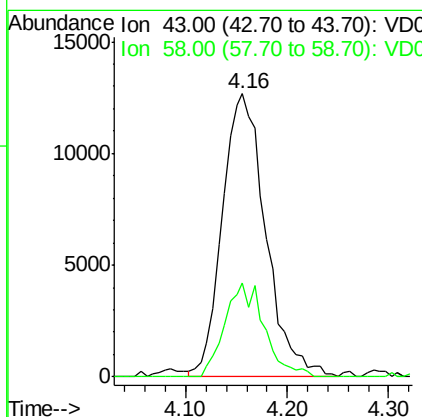
RT: 4.16 min Scan# 380

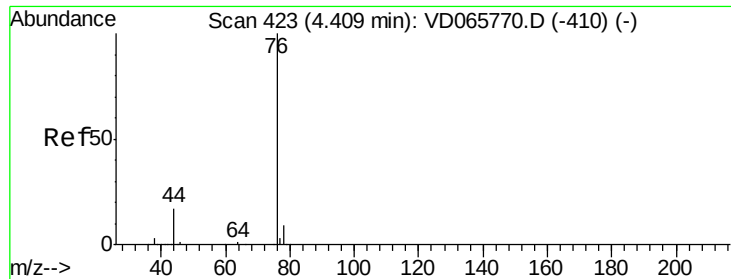
Delta R.T. 0.00 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

Tgt Ion:	43	Resp:	37553
Ion	Ratio	Lower	Upper
43	100		
58	33.0	22.3	33.5





#17

Carbon Disulfide

Concen: 20.880 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 76 Resp: 119982

Ion Ratio Lower Upper

76 100

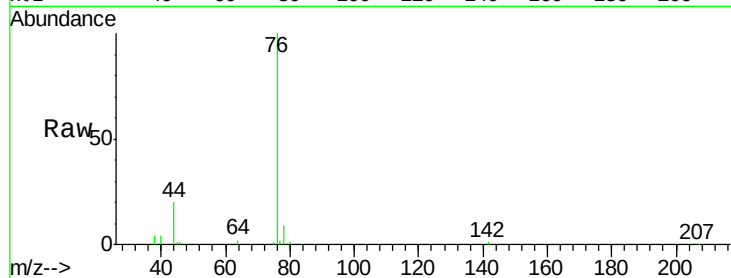
78 9.4 7.1 10.7

Manual Integrations

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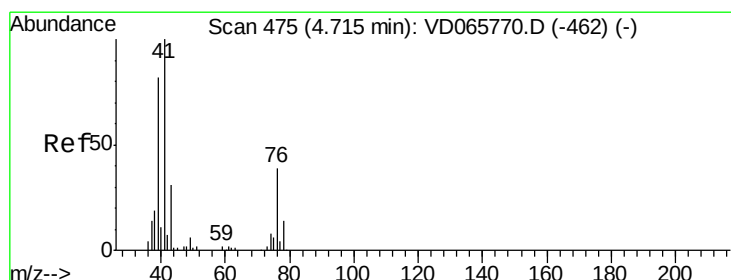
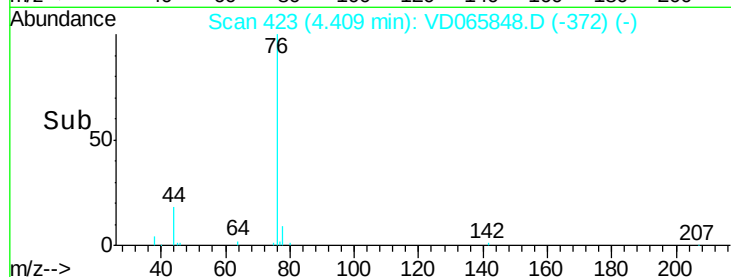
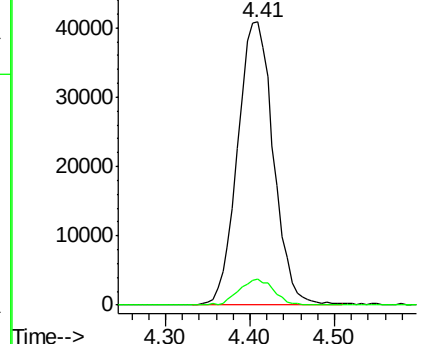
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 22.259 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065848.D

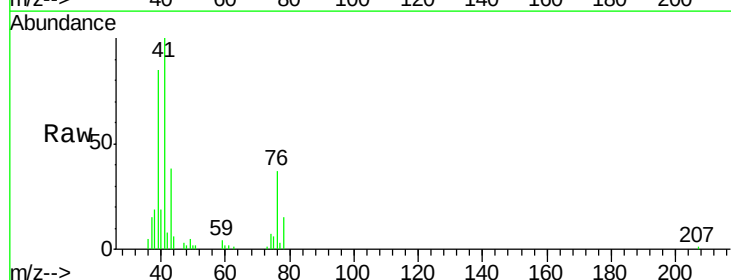
Acq: 22 Jun 2020 16:57

Tgt Ion: 43 Resp: 19233

Ion Ratio Lower Upper

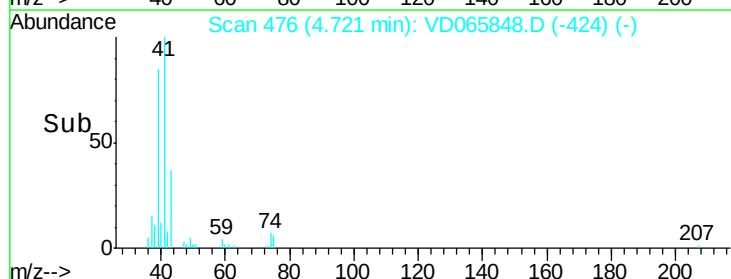
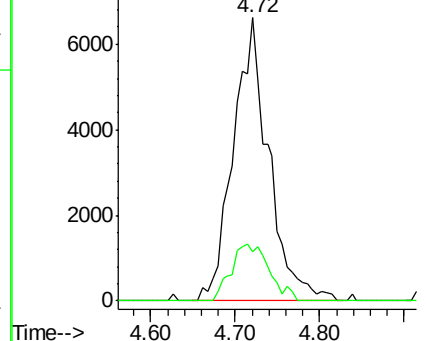
43 100

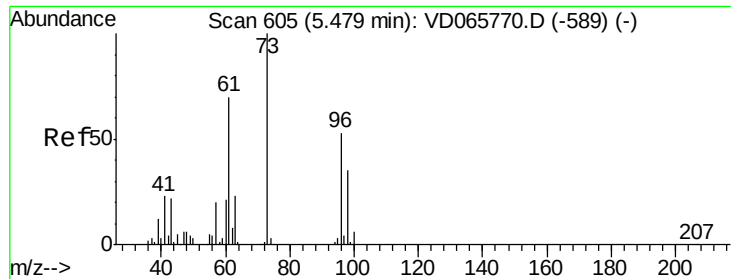
74 21.5 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





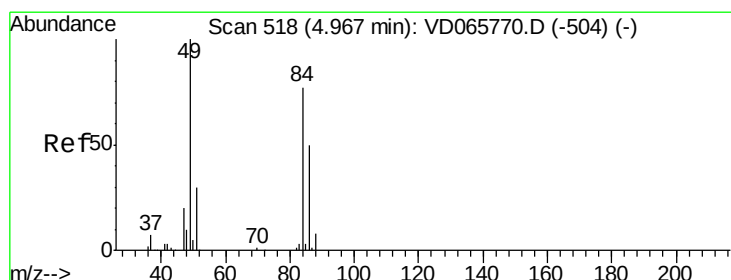
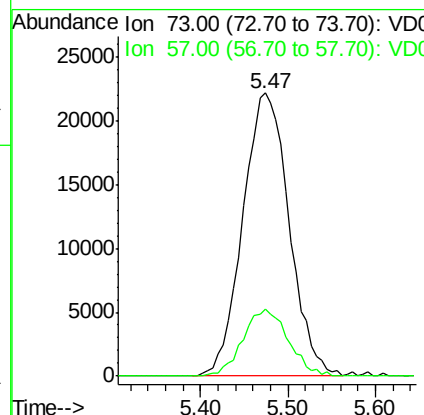
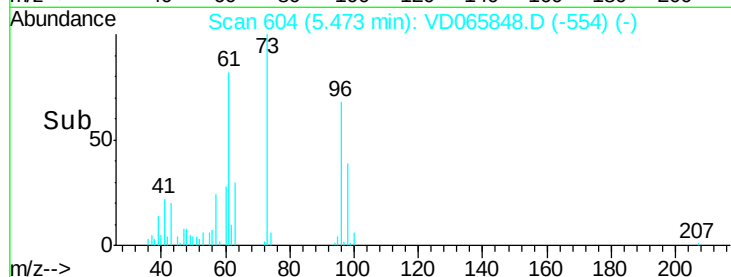
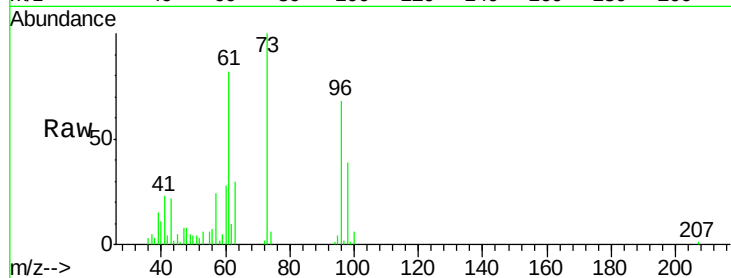
#19
Methyl tert-butyl Ether
Concen: 20.634 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion: 73 Resp: 80018
Ion Ratio Lower Upper
73 100
57 23.9 16.2 24.2

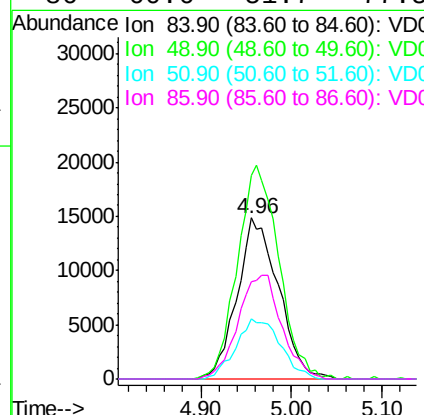
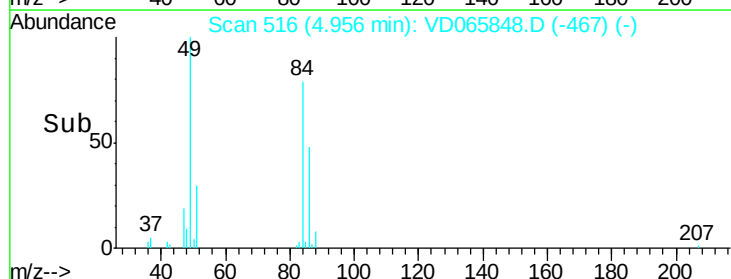
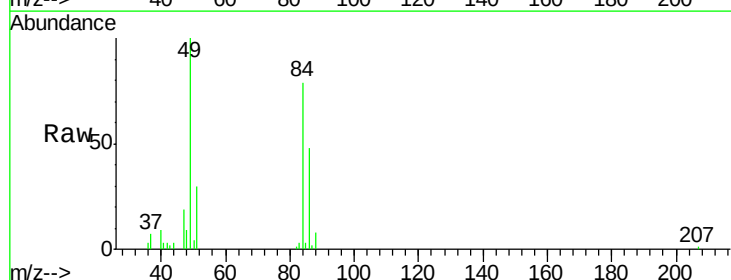
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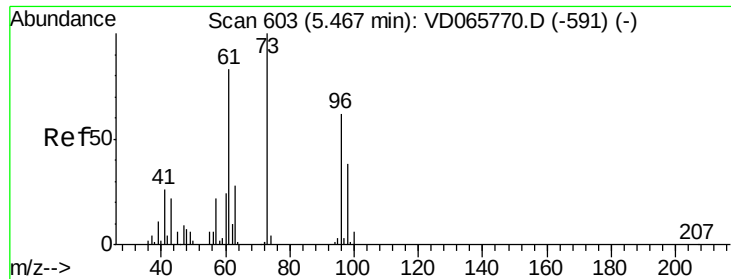
MMDadoda
6/23/2020 11:02:19 AM



#20
Methylene Chloride
Concen: 22.823 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Tgt Ion: 84 Resp: 47088
Ion Ratio Lower Upper
84 100
49 126.0 103.4 155.0
51 37.2 31.4 47.2
86 60.6 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 21.917 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

Instrument :

MSVOA_D

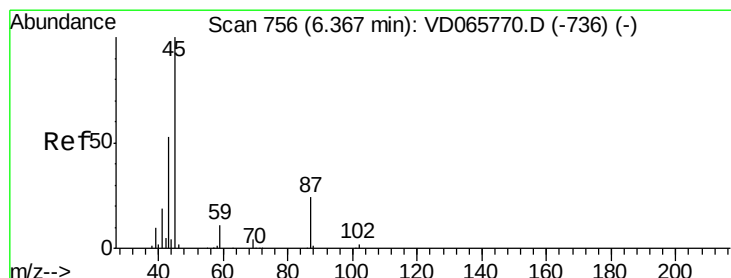
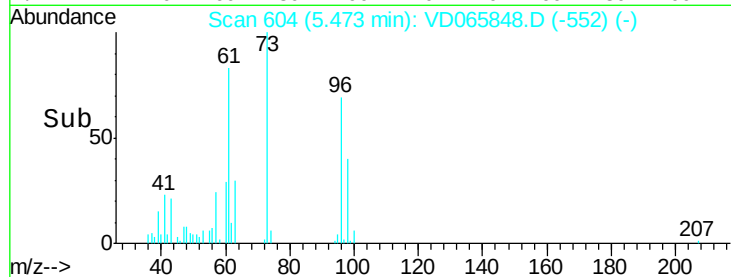
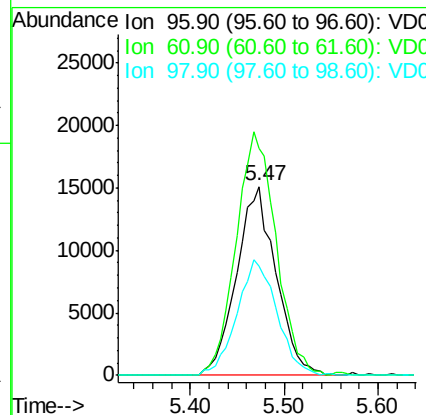
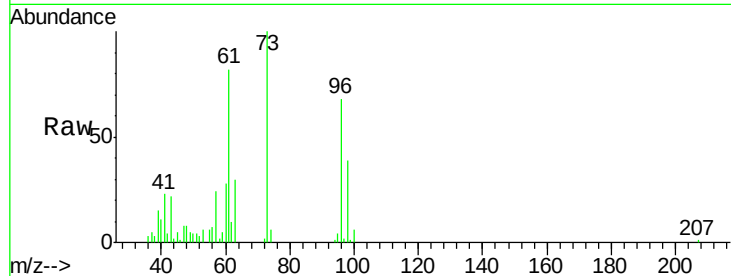
ClientSampleId :

VD0622SBS01

Tot Ion:	96	Resp:	43945
Ion	Ratio	Lower	Upper
96	100		
61	120.5	107.7	161.5
98	57.9	49.3	73.9

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#22

Diisopropyl ether

Concen: 21.644 ug/l

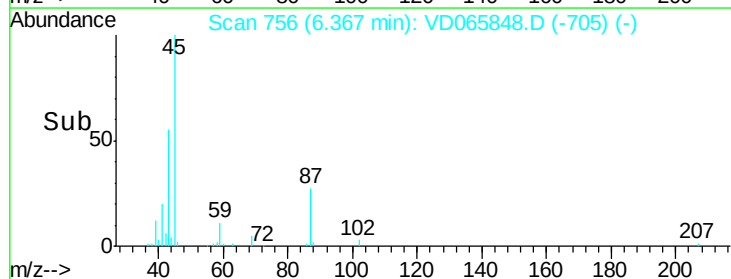
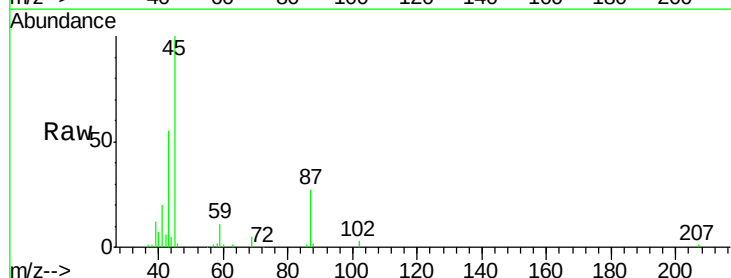
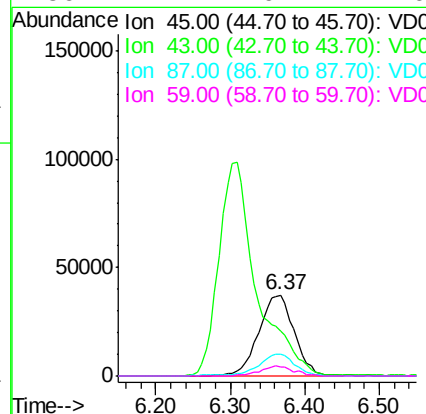
RT: 6.37 min Scan# 756

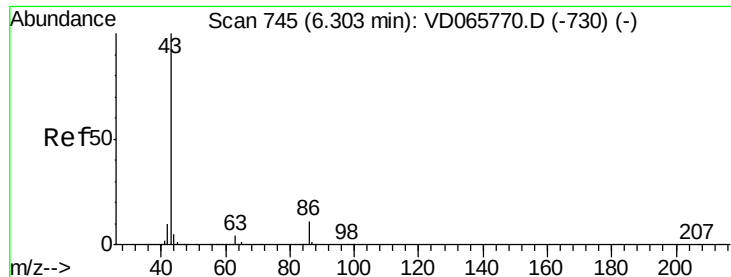
Delta R.T. 0.00 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

Tgt Ion:	45	Resp:	123751
Ion	Ratio	Lower	Upper
45	100		
43	53.0	43.4	65.0
87	27.5	20.2	30.4
59	11.2	9.4	14.0





#23

Vinyl Acetate

Concen: 107.531 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 43 Resp: 347174

Ion Ratio Lower Upper

43 100

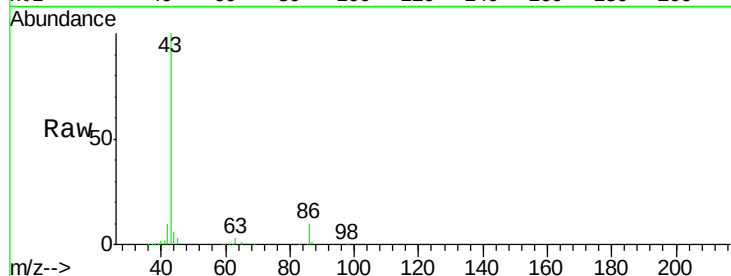
86 10.2 8.5 12.7

Manual Integrations

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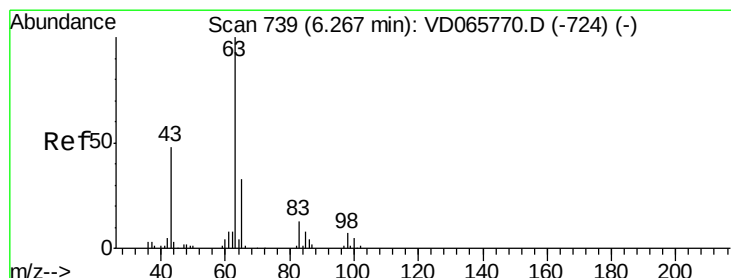
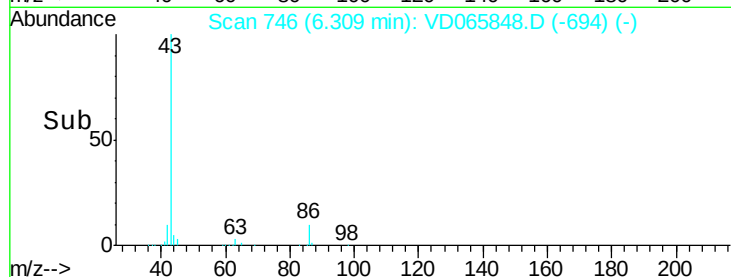
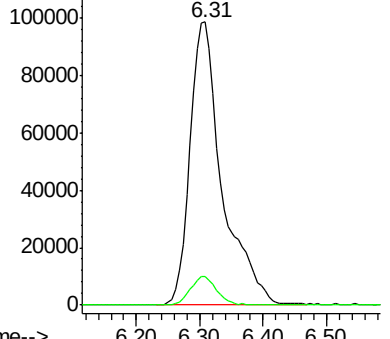
MMDadoda

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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: 21.596 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

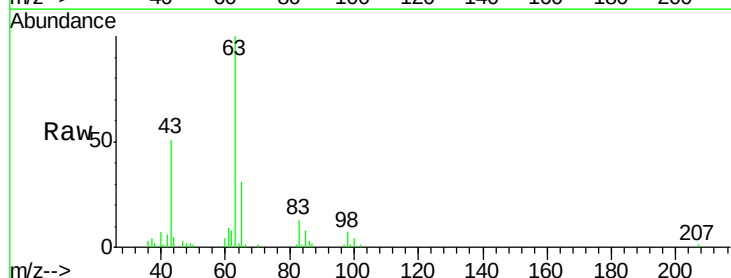
Tgt Ion: 63 Resp: 75234

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

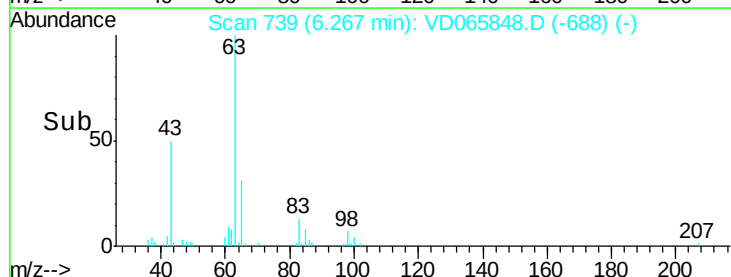
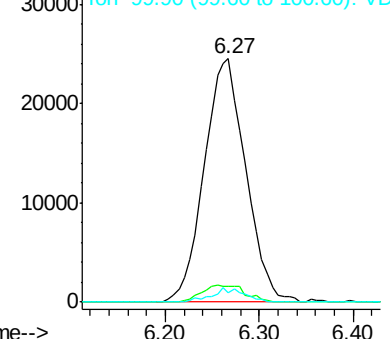
100 3.9 2.3 6.9

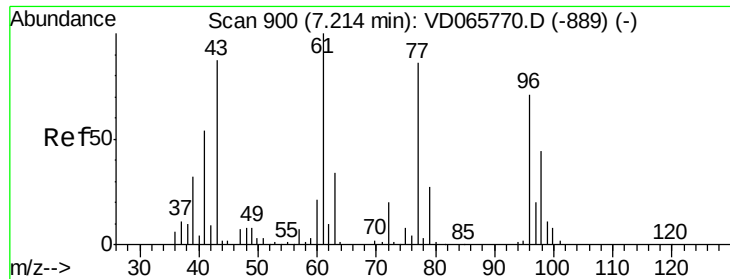


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





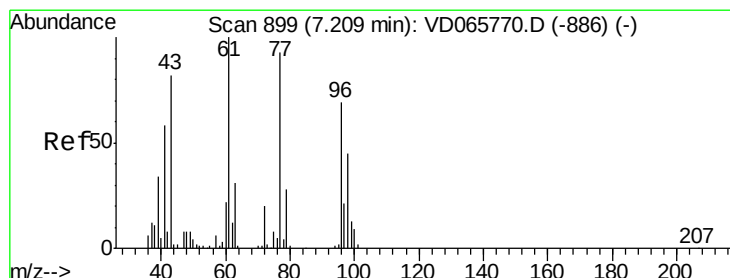
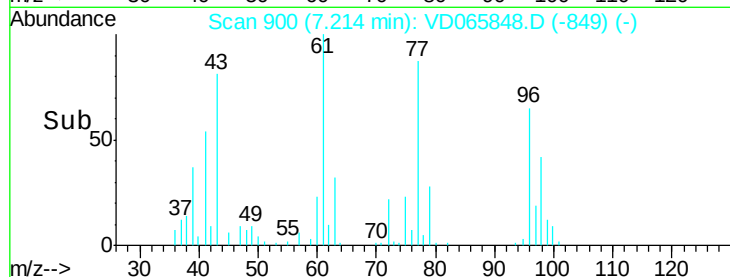
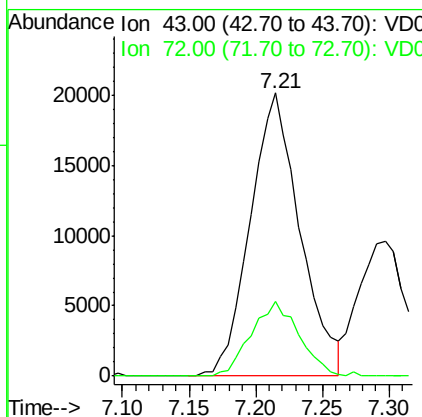
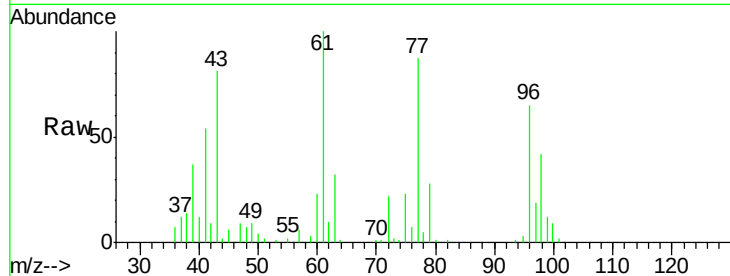
#25
2-Butanone
Concen: 107.475 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion: 43 Resp: 52140
Ion Ratio Lower Upper
43 100
72 26.5 18.5 27.7

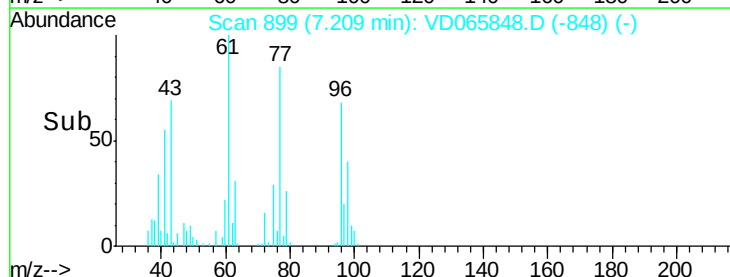
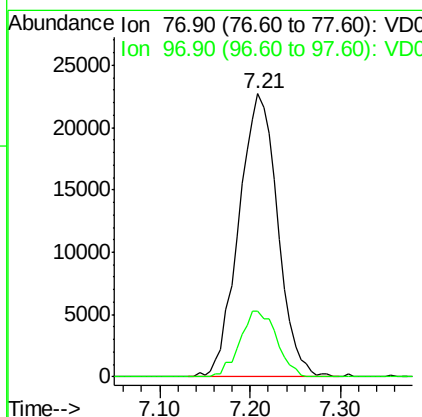
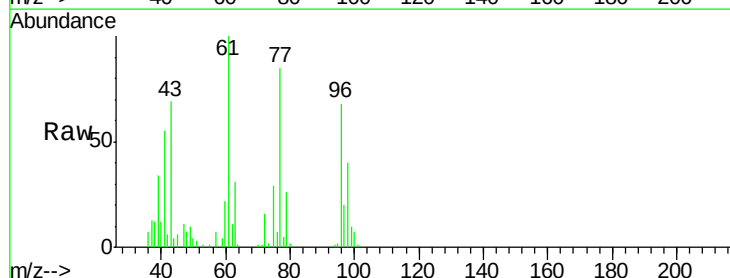
Manual Integrations
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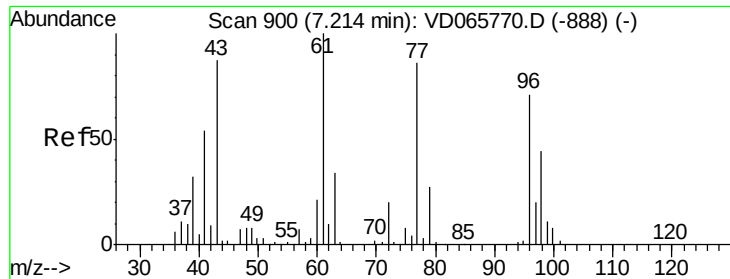
MMDadoda
6/23/2020 11:02:19 AM



#26
2,2-Dichloropropane
Concen: 21.796 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Tgt Ion: 77 Resp: 67327
Ion Ratio Lower Upper
77 100
97 22.0 10.9 32.7





#27

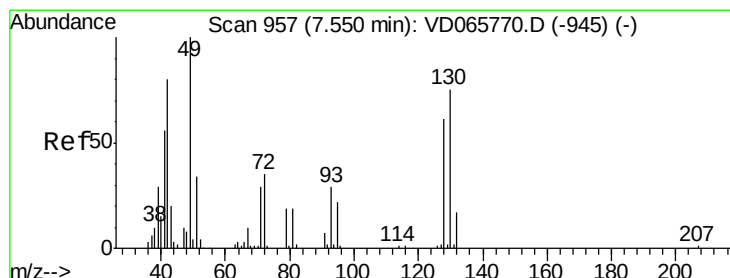
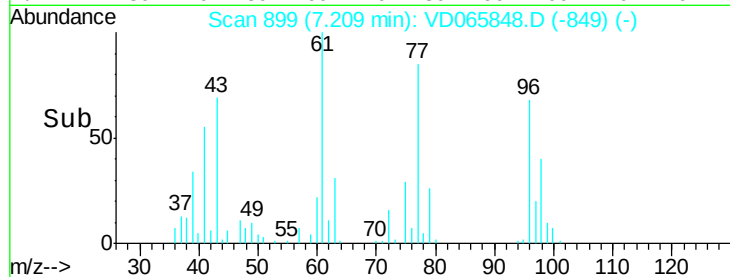
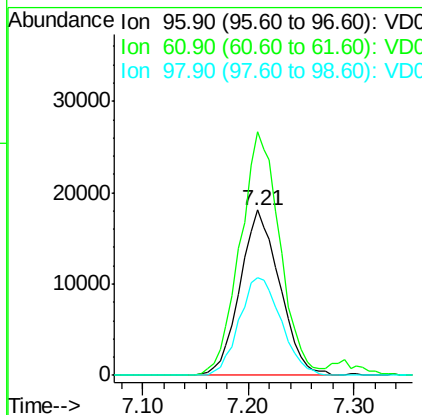
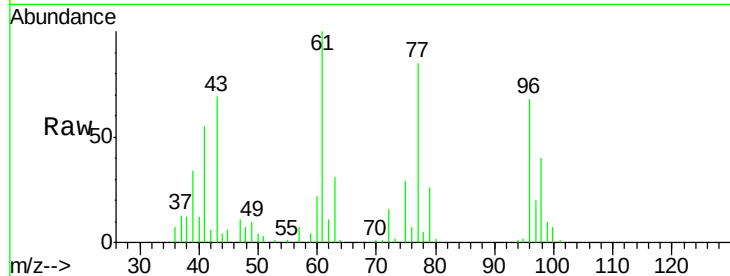
cis-1,2-Dichloroethene
Concen: 21.897 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.5	0.0	291.2
98	62.1	0.0	128.8

Manual Integrations
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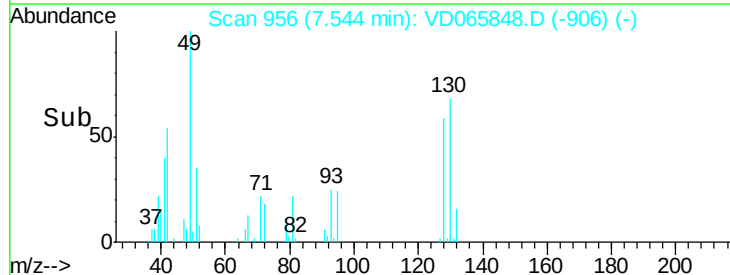
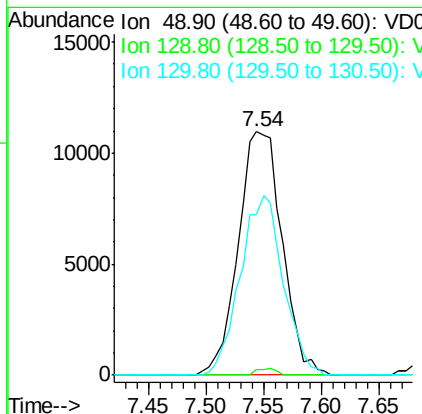
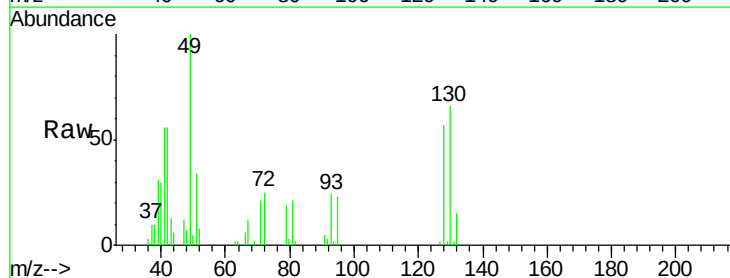
MMDadoda
6/23/2020 11:02:19 AM

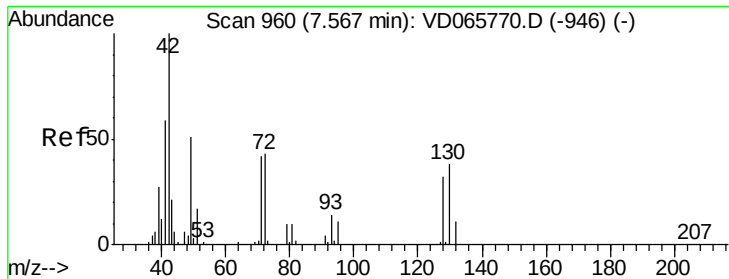


#28

Bromochloromethane
Concen: 21.533 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.6
130	72.3	59.5	89.3





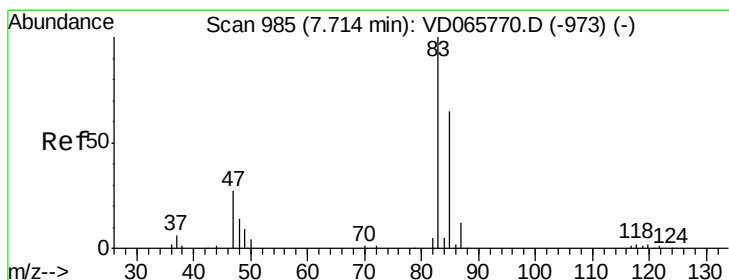
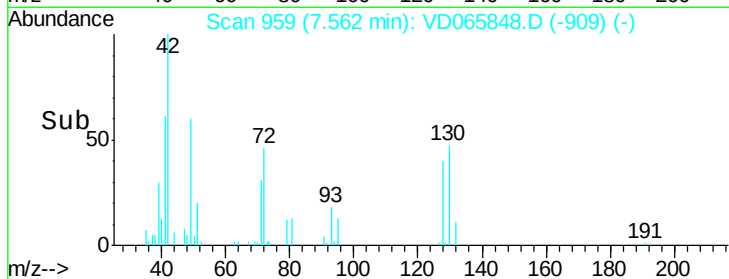
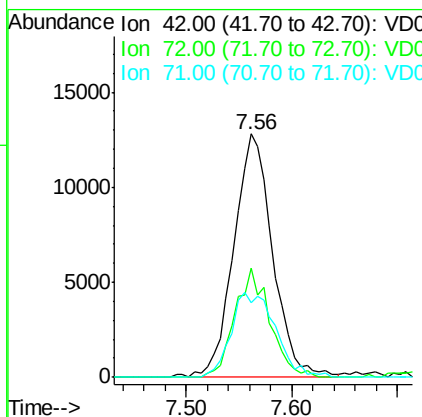
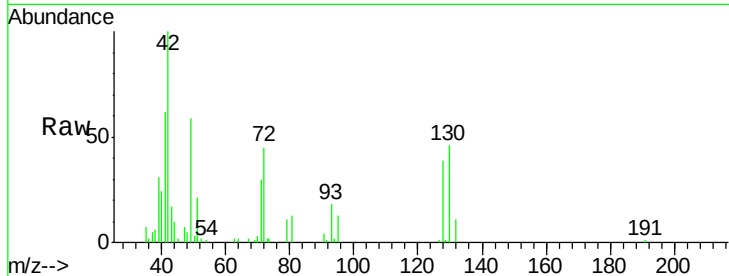
#29
Tetrahydrofuran
Concen: 106.564 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	34.9	52.3
71	39.7	31.2	46.8

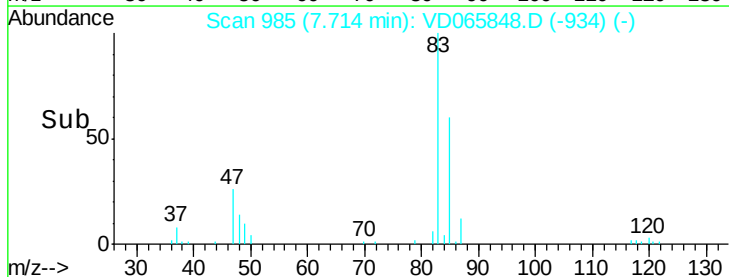
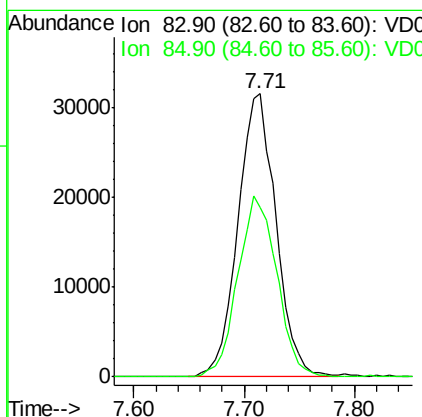
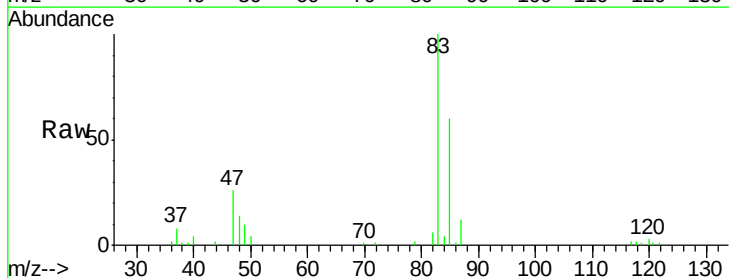
Manual Integrations
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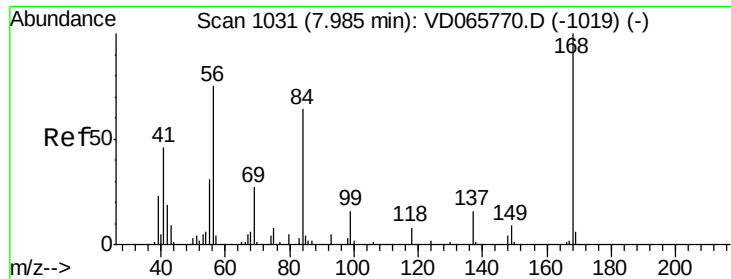
MMDadoda
6/23/2020 11:02:19 AM



#30
Chloroform
Concen: 21.146 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.8	51.9	77.9





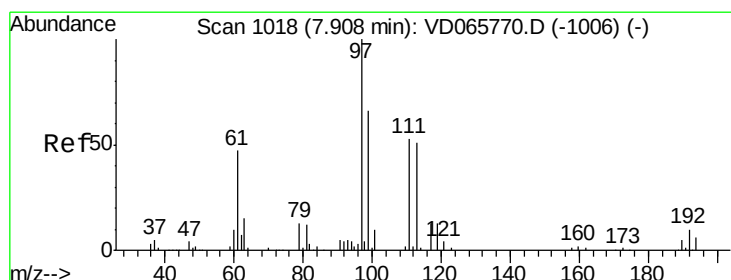
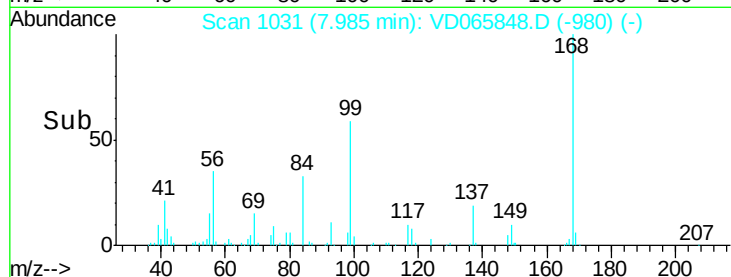
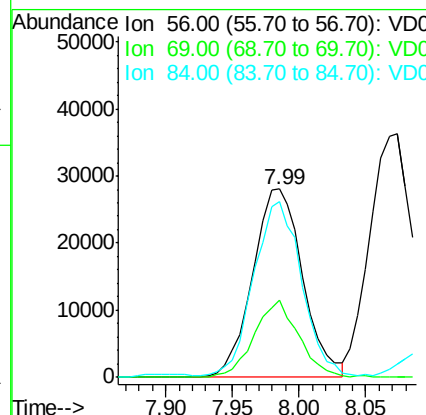
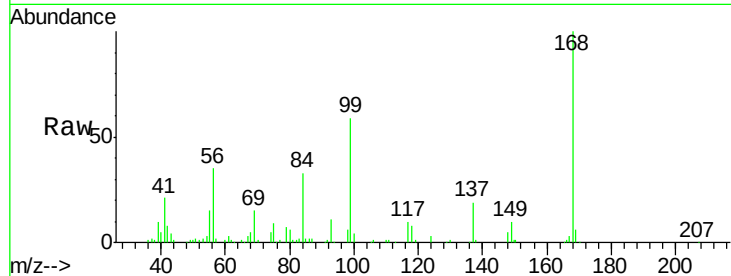
#31
Cyclohexane
Concen: 21.782 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.1	28.5	42.7
84	92.9	68.4	102.6

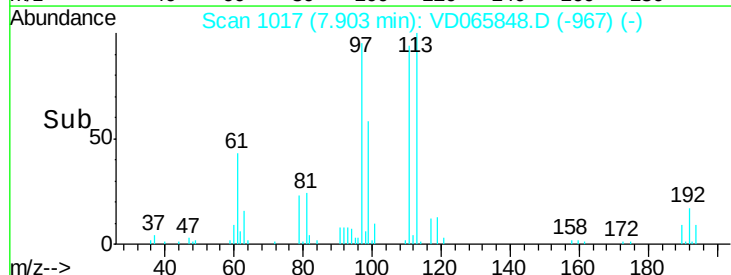
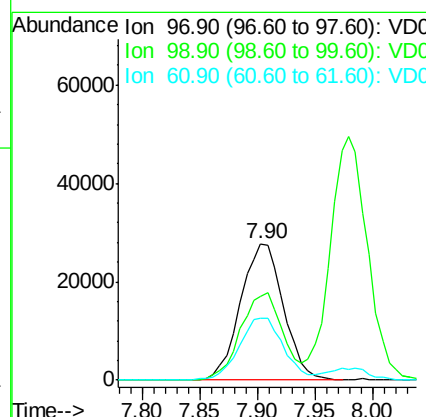
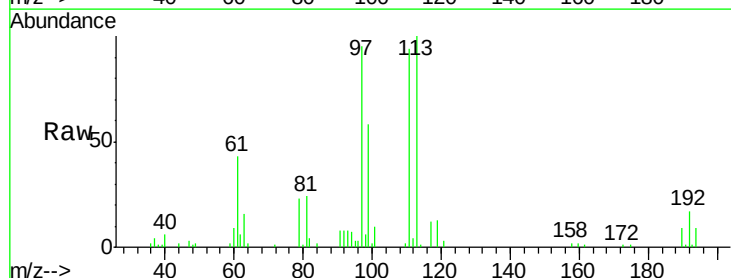
Manual Integrations
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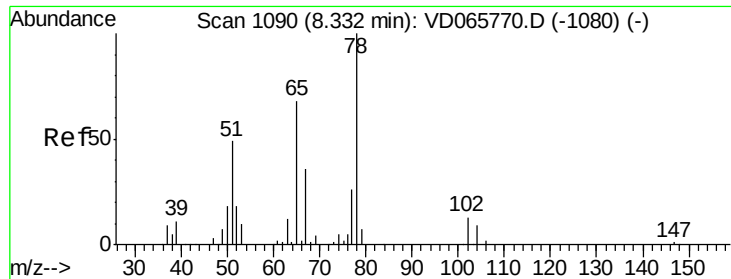
MMDadoda
6/23/2020 11:02:19 AM



#32
1,1,1-Trichloroethane
Concen: 21.539 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	49.2	73.8
61	47.0	36.0	54.0





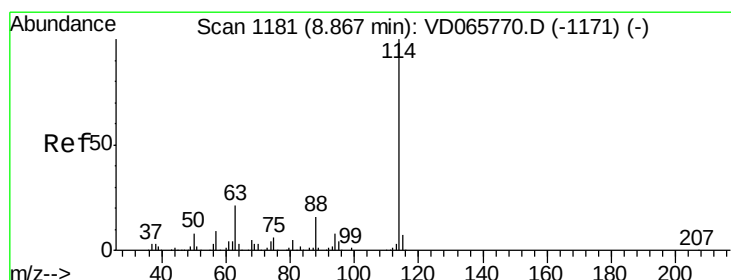
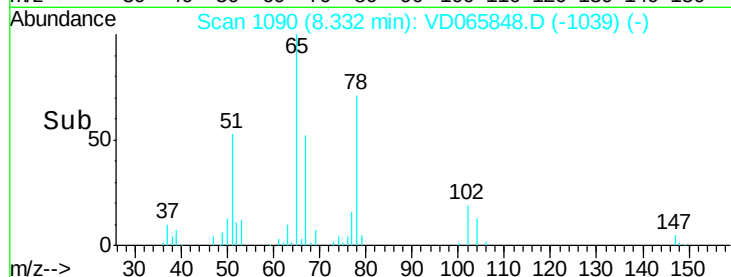
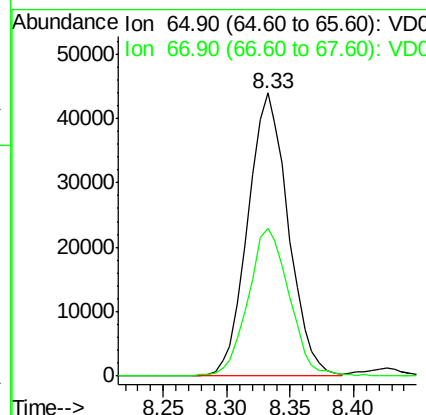
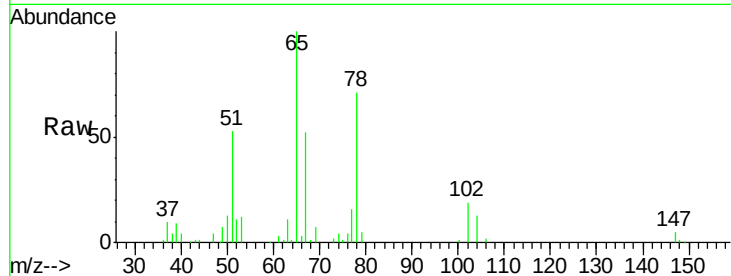
#33
 1,2-Dichloroethane-d4
 Concen: 52.418 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065848.D
 Acq: 22 Jun 2020 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	103.6

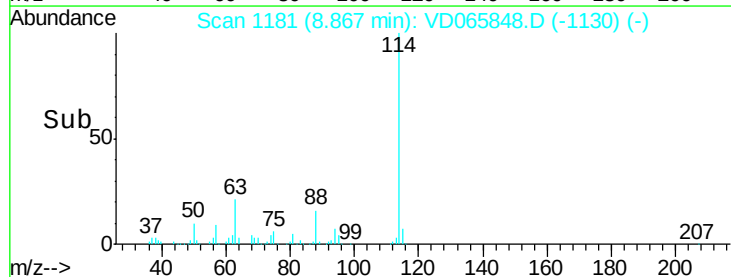
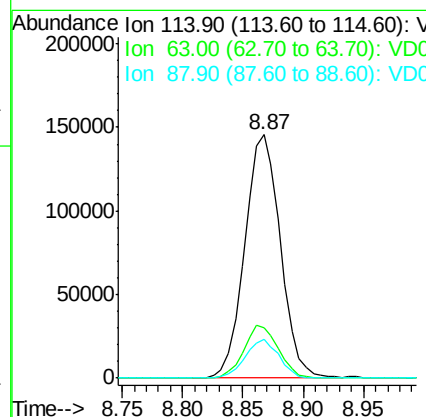
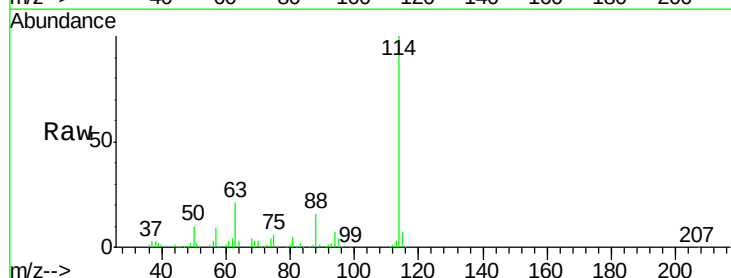
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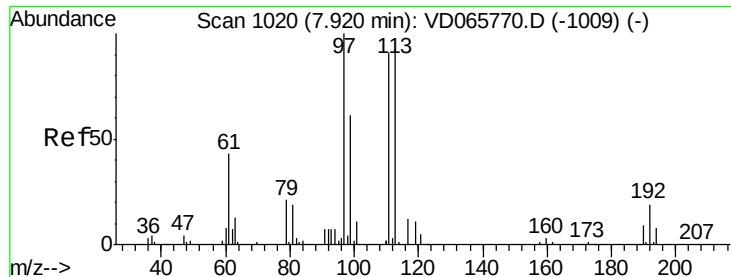
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065848.D
 Acq: 22 Jun 2020 16:57

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	41.8
88	15.8	0.0	32.0





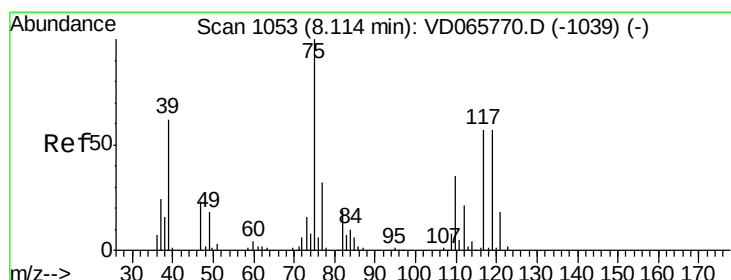
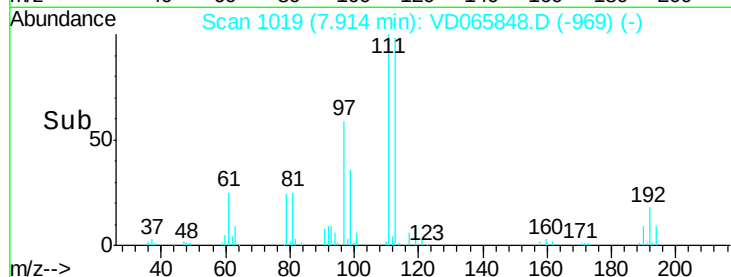
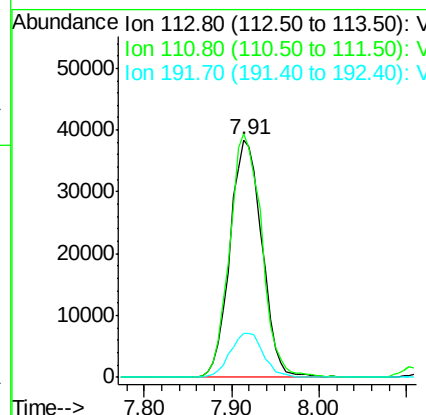
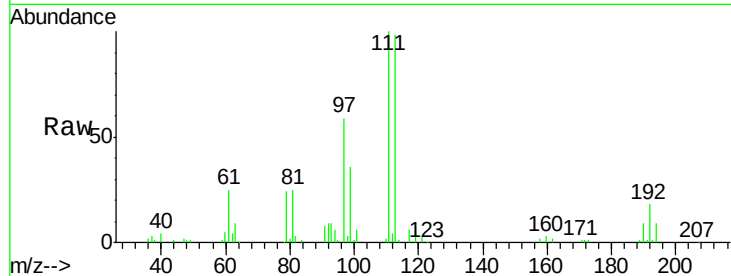
#35
 Dibromofluoromethane
 Concen: 50.392 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065848.D
 Acq: 22 Jun 2020 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.4	125.0
192	19.2	15.7	23.5

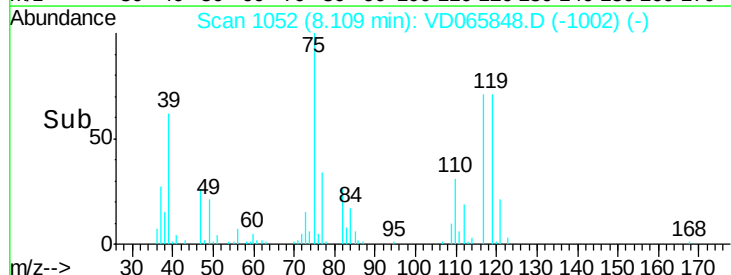
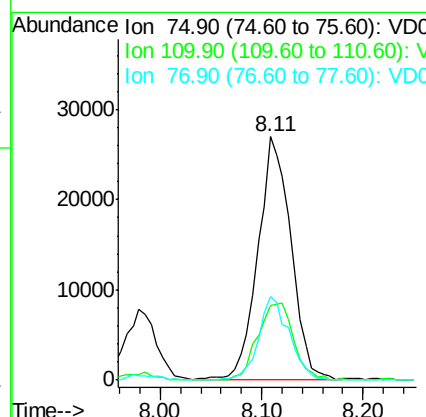
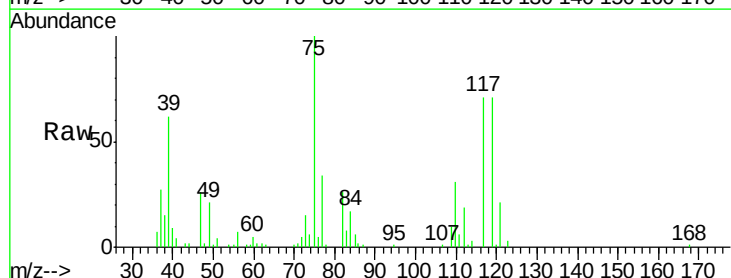
Manual Integrations
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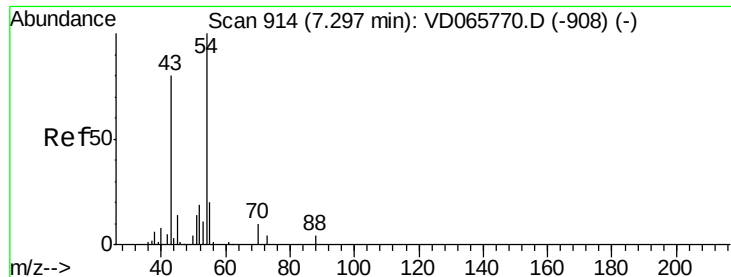
MMDadoda
 6/23/2020 11:02:19 AM



#36
 1,1-Dichloropropene
 Concen: 21.343 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD065848.D
 Acq: 22 Jun 2020 16:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.6	52.8
77	31.9	25.1	37.7





#37

Ethyl Acetate

Concen: 22.461 ug/l

RT: 7.30 min Scan# 914

Delta R.T. 0.00 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

Instrument :

MSVOA_D

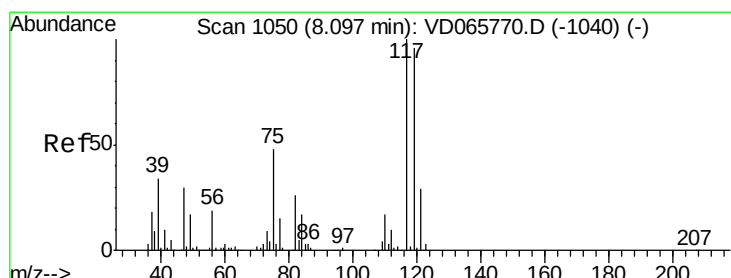
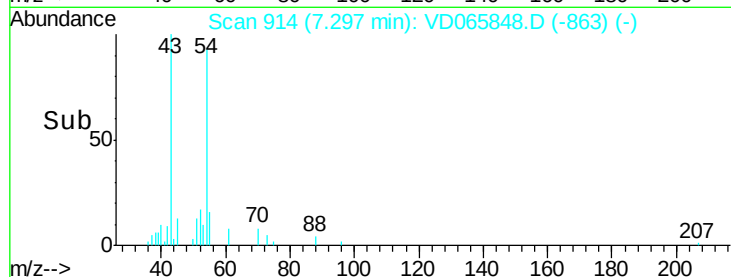
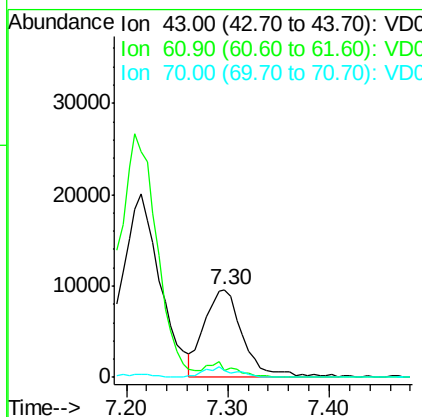
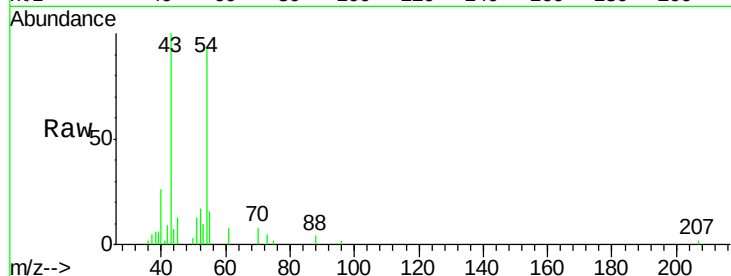
ClientSampleId :

VD0622SBS01

Tot Ion:	43	Resp:	25414
Ion	Ratio	Lower	Upper
43	100		
61	12.0	10.6	15.8
70	9.6	7.5	11.3

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 21.608 ug/l

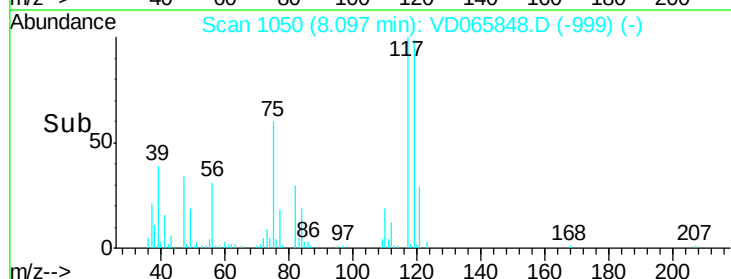
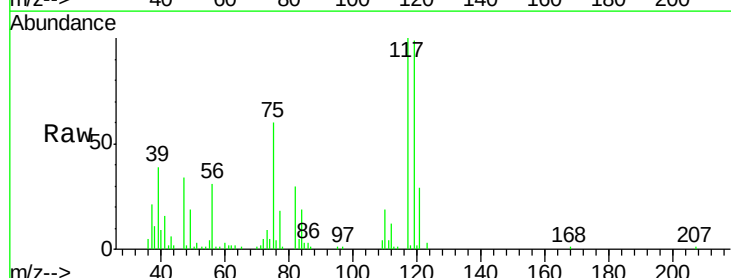
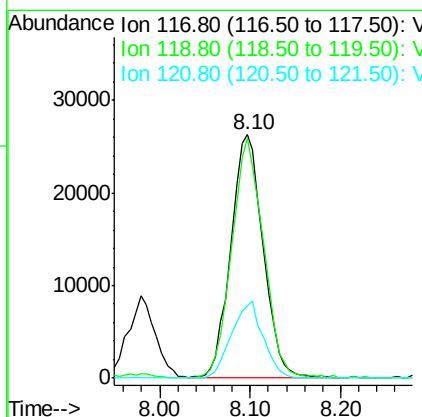
RT: 8.10 min Scan# 1050

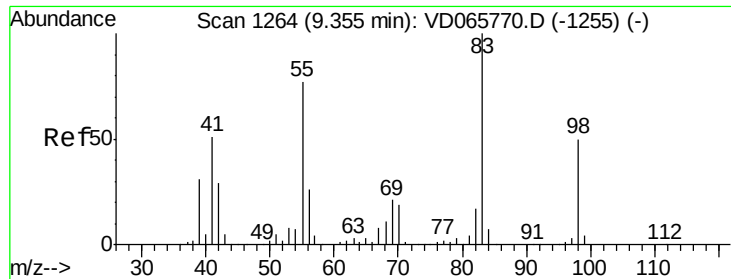
Delta R.T. 0.00 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

Tgt Ion:	117	Resp:	65323
Ion	Ratio	Lower	Upper
117	100		
119	98.6	76.8	115.2
121	29.4	23.4	35.2





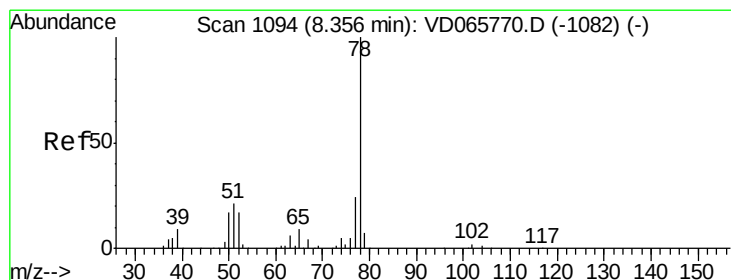
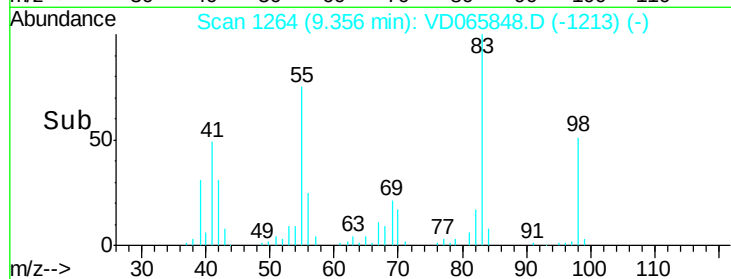
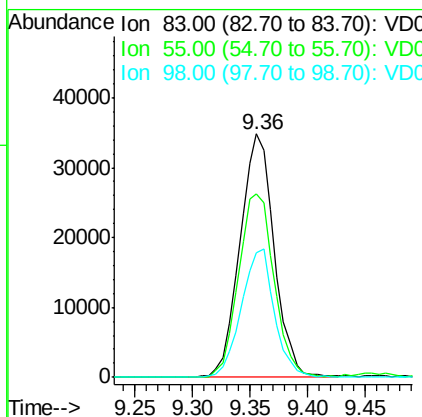
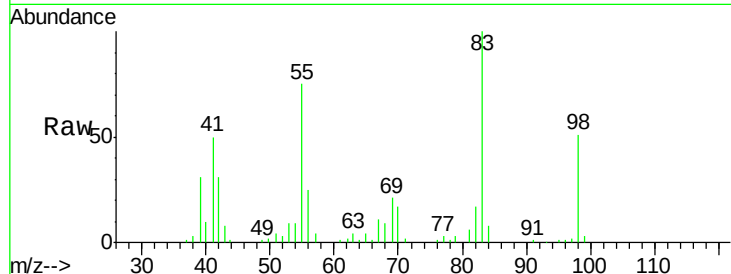
#39
Methylvlcyclohexane
Concen: 21.069 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	83	Resp	71656
Ion Ratio	100	Lower	Upper
83	100		
55	75.4	61.6	92.4
98	51.2	40.2	60.2

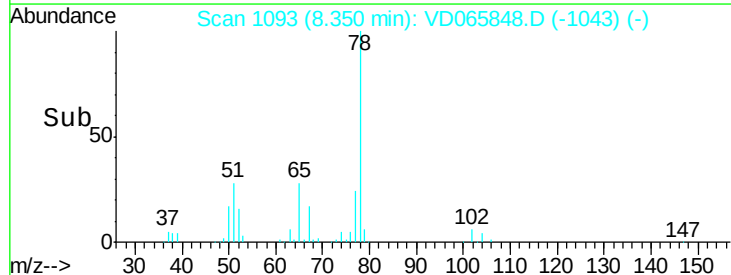
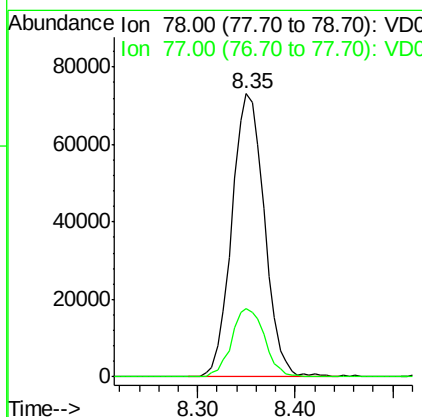
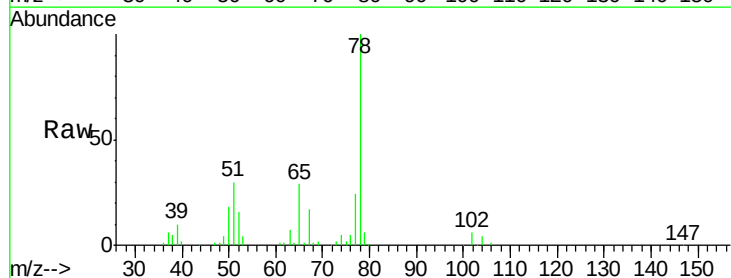
Manual Integrations
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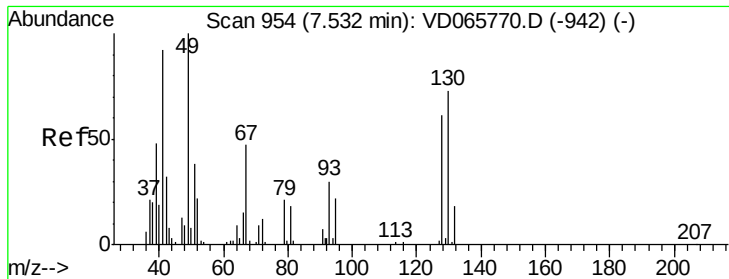
MMDadoda
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#40
Benzene
Concen: 21.677 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Tgt Ion	78	Resp	170230
Ion Ratio	100	Lower	Upper
78	100		
77	24.3	19.2	28.8





#41

Methacrylonitrile

Concen: 21.309 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 41 Resp: 14356

Ion Ratio Lower Upper

41 100

39 0.0 38.3 57.5#

67 63.7 49.8 74.6

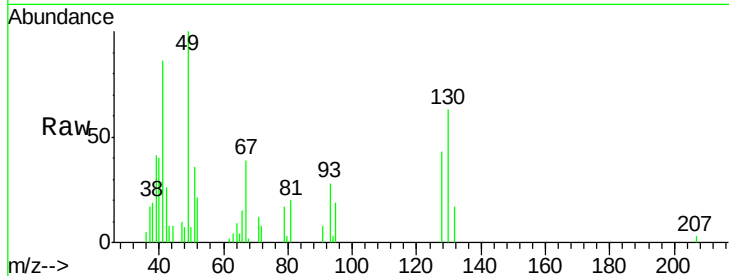
52 30.2 21.7 32.5

Manual Integrations

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MMDadoda

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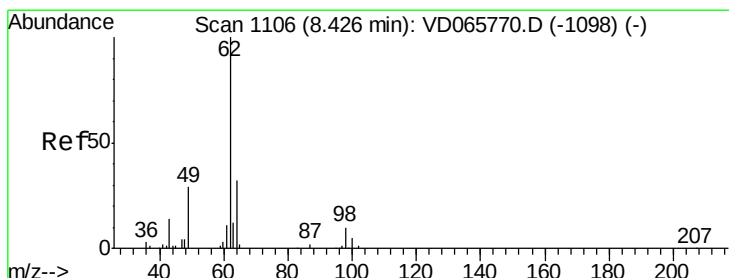
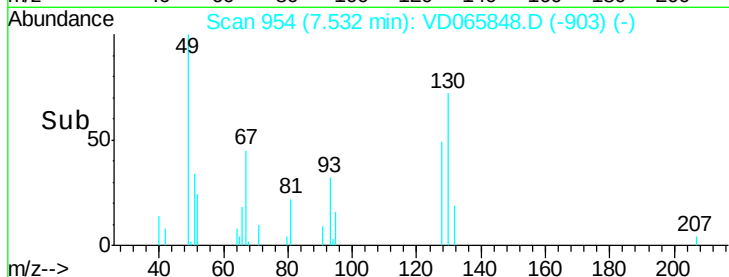
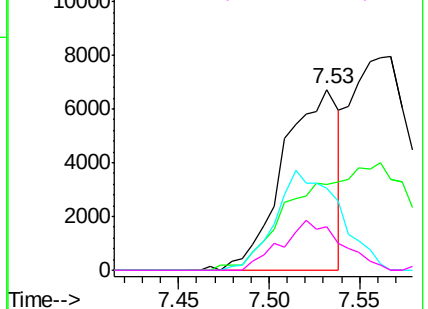


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.105 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD065848.D

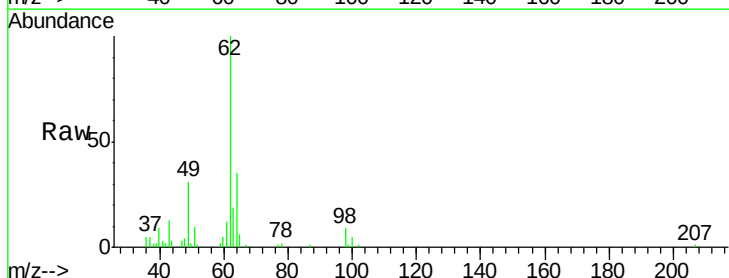
Acq: 22 Jun 2020 16:57

Tgt Ion: 62 Resp: 50007

Ion Ratio Lower Upper

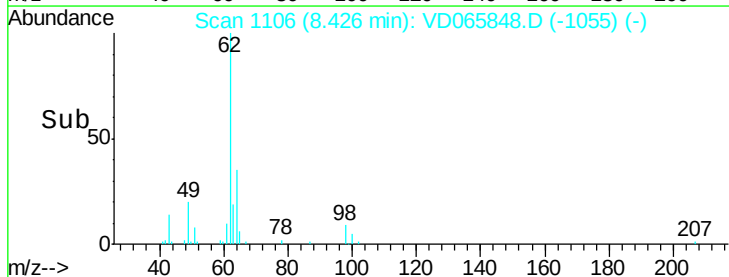
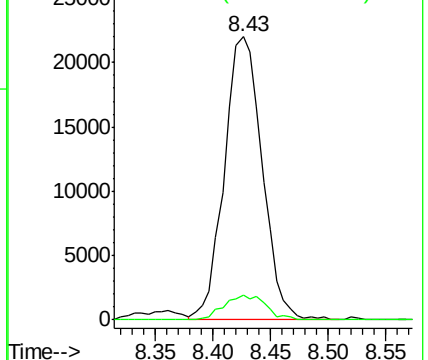
62 100

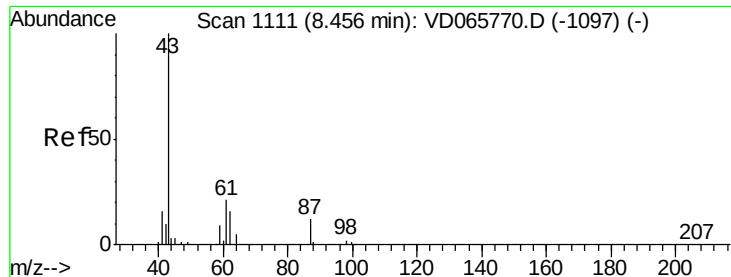
98 9.6 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.497 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

Instrument :

MSVOA_D

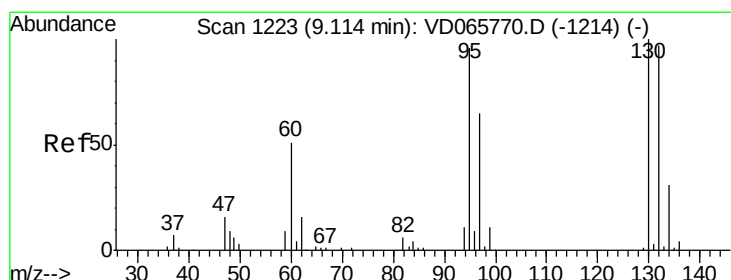
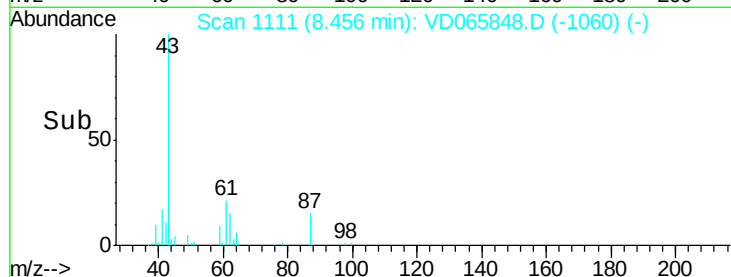
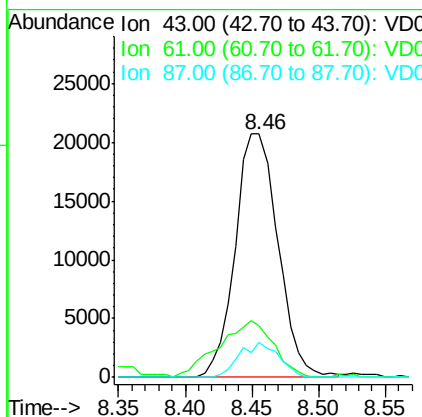
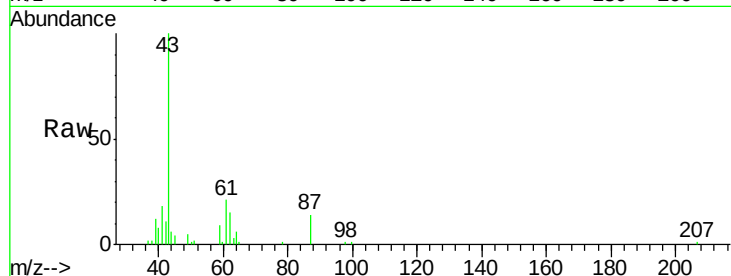
ClientSampleId :

VD0622SBS01

Tot Ion:	43	Resp:	46117
Ion	Ratio	Lower	Upper
43	100		
61	29.8	24.2	36.4
87	13.2	9.5	14.3

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#44

Trichloroethene

Concen: 21.021 ug/l

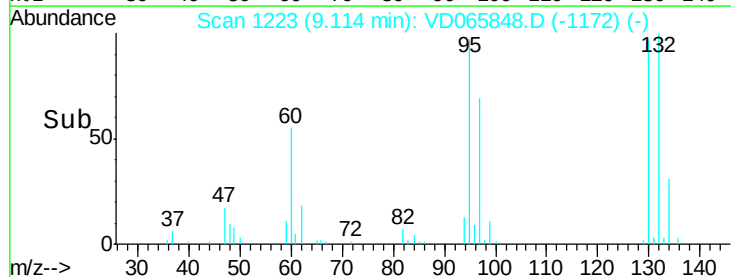
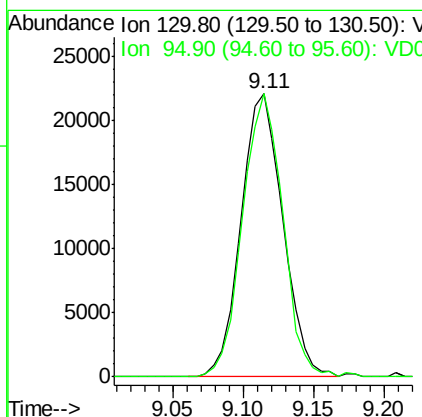
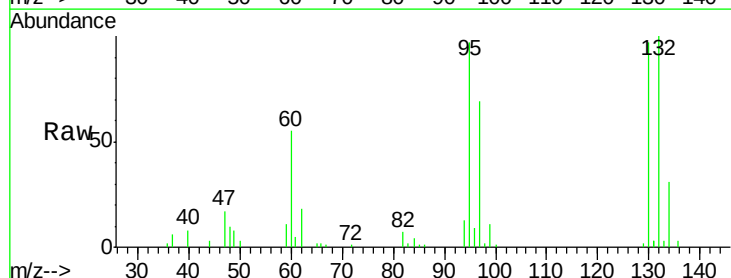
RT: 9.11 min Scan# 1223

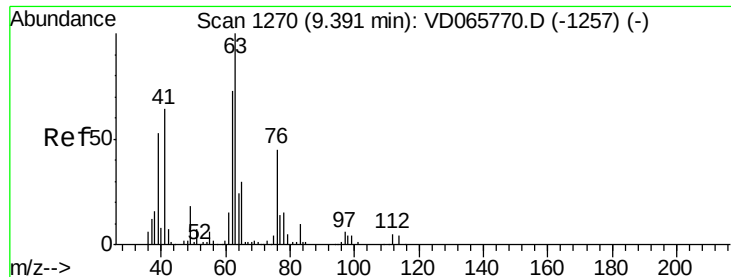
Delta R.T. 0.00 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

Tgt Ion:	130	Resp:	45940
Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	192.8





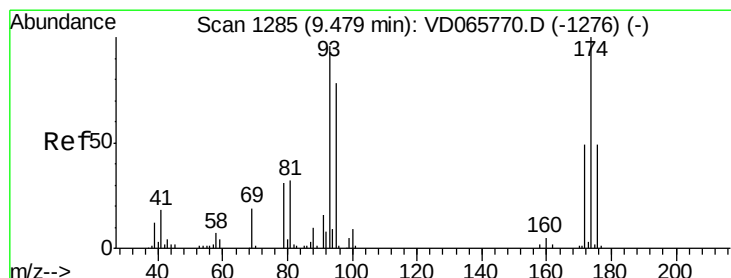
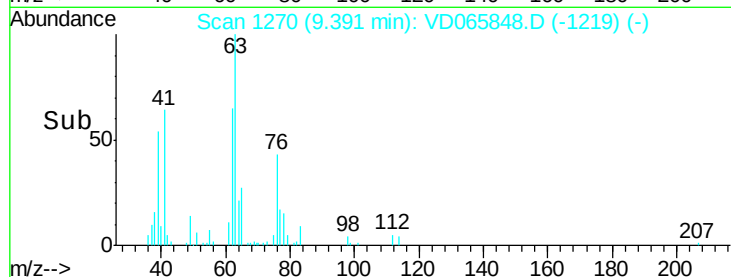
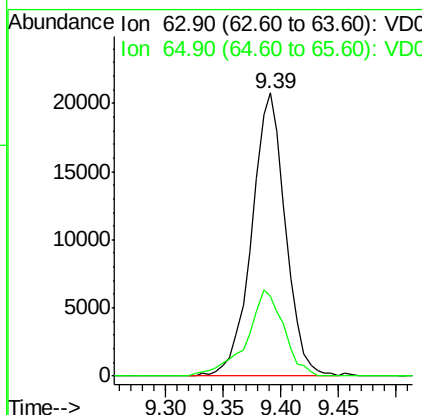
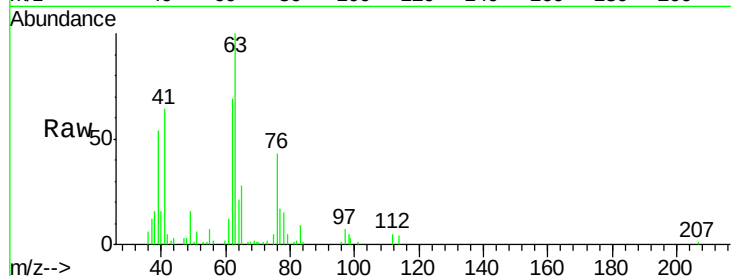
#45
 1,2-Dichloropropane
 Concen: 21.369 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065848.D
 Acq: 22 Jun 2020 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.3	24.2	36.2

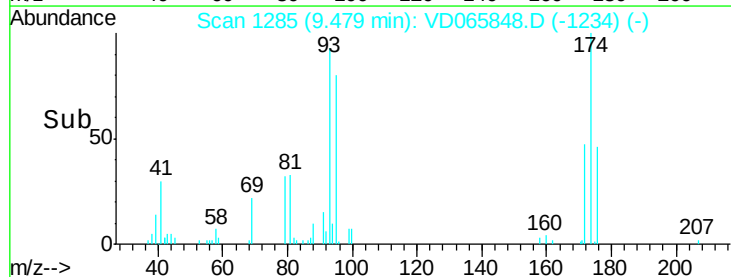
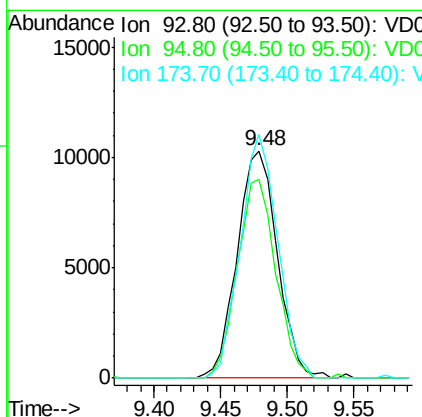
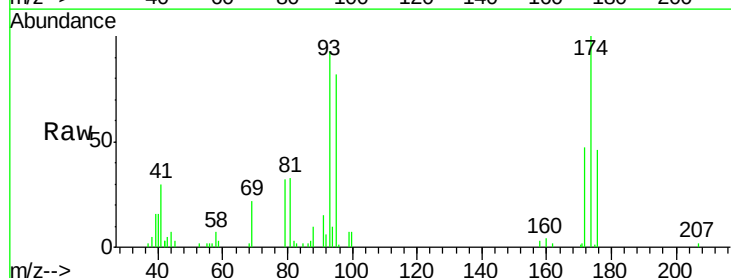
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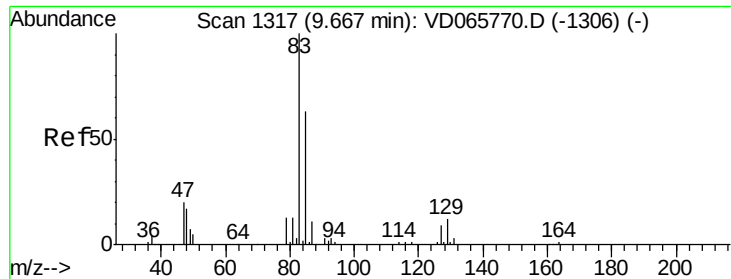
MMDadoda
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#46
 Dibromomethane
 Concen: 20.022 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065848.D
 Acq: 22 Jun 2020 16:57

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	65.8	98.6
174	100.1	80.9	121.3





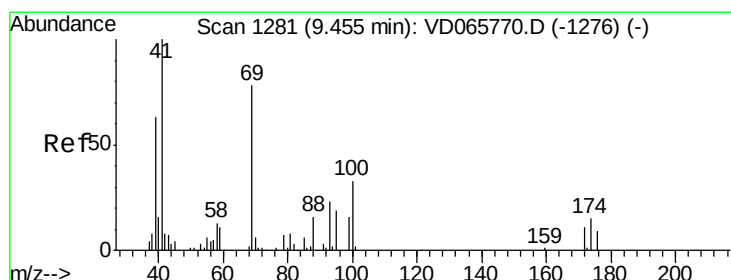
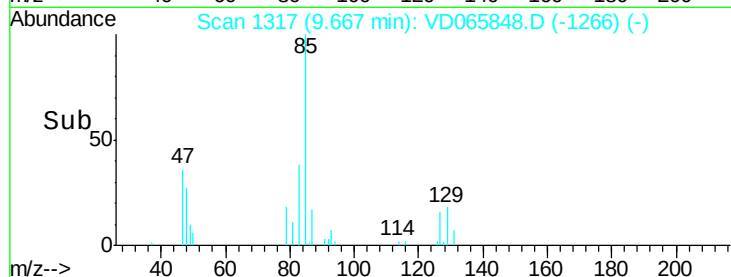
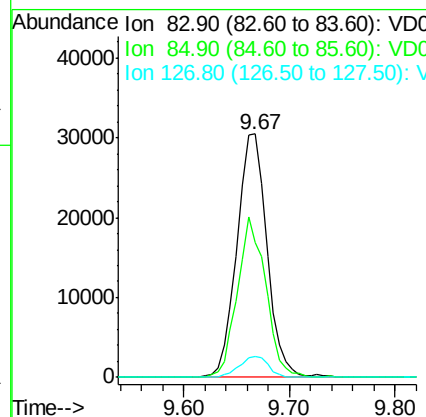
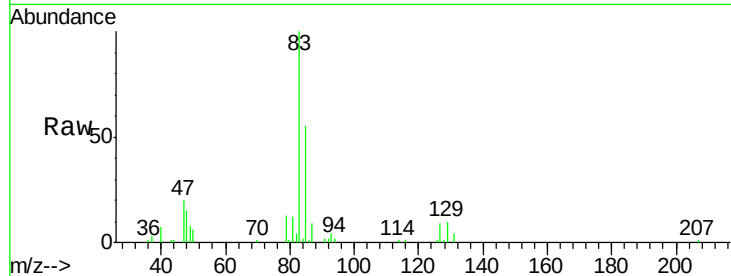
#47
Bromodichloromethane
Concen: 21.002 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	83	Resp	60228
Ion Ratio	100	Lower	Upper
83	100		
85	55.3	50.7	76.1
127	8.7	7.1	10.7

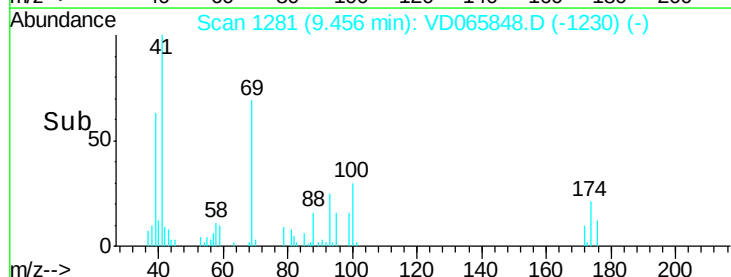
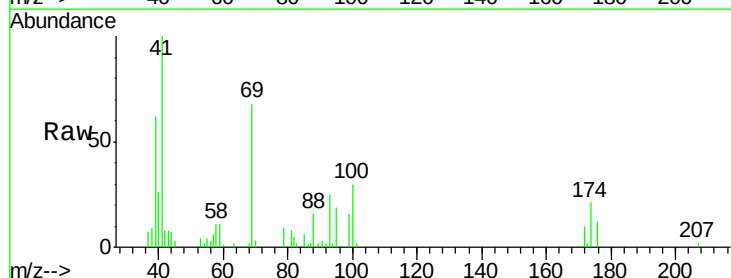
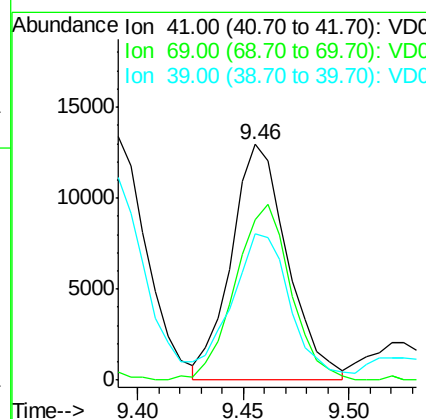
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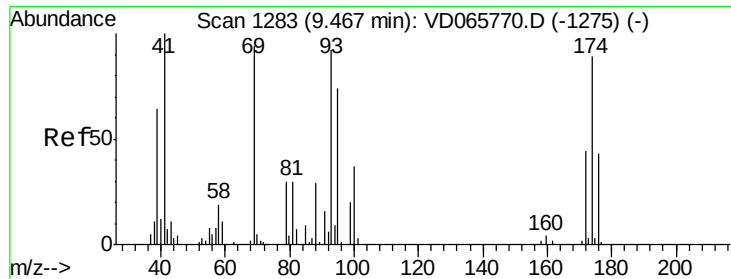
MMDadoda
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#48
Methyl methacrylate
Concen: 21.942 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Tgt Ion	41	Resp	23896
Ion Ratio	100	Lower	Upper
41	100		
69	73.8	60.9	91.3
39	58.4	48.1	72.1





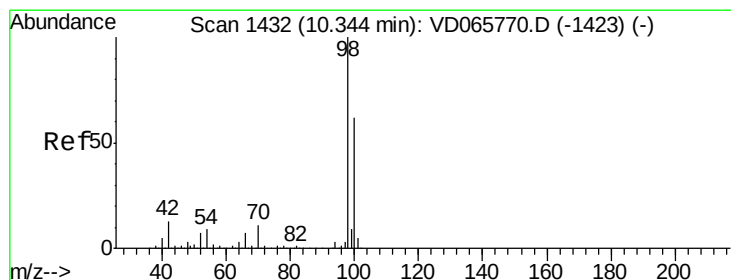
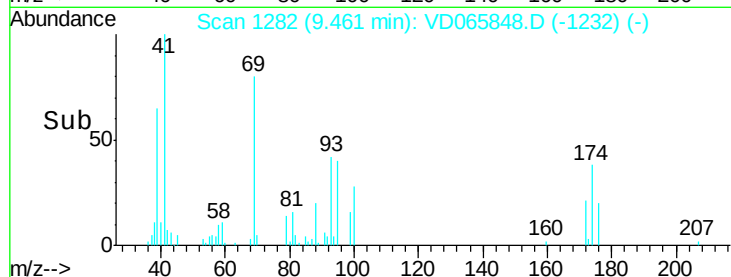
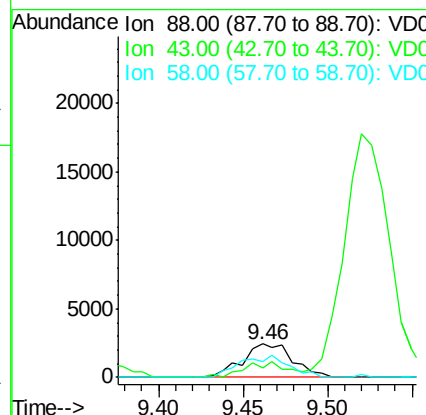
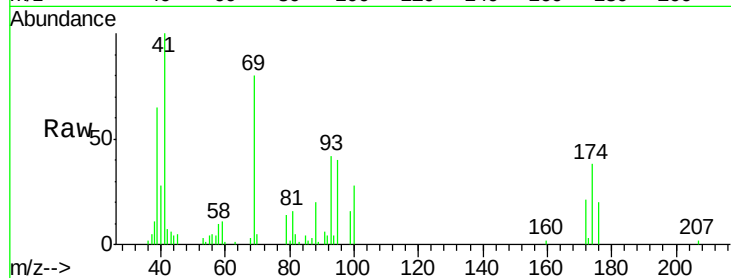
#49
1,4-Dioxane
Concen: 448.446 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.8	32.2	48.4
58	62.7	54.9	82.3

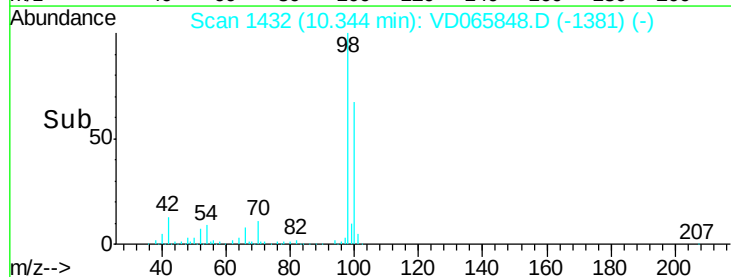
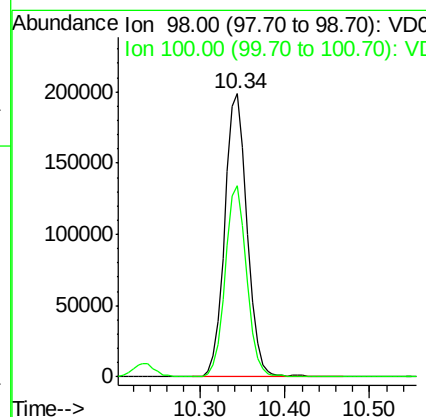
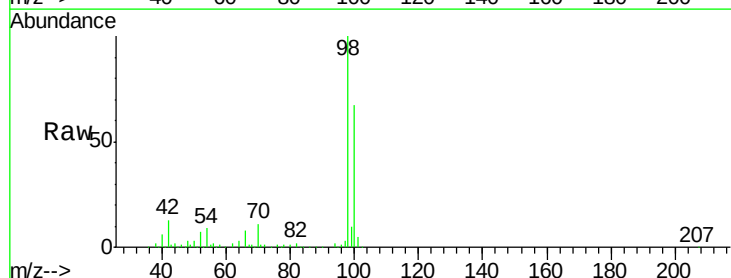
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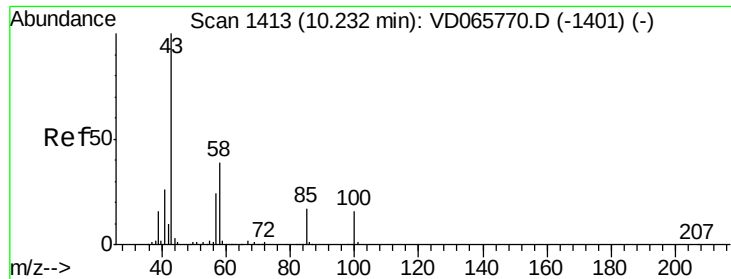
MMDadoda
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#50
Toluene-d8
Concen: 51.627 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 103.371 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 43 Resp: 113964

Ion Ratio Lower Upper

43 100

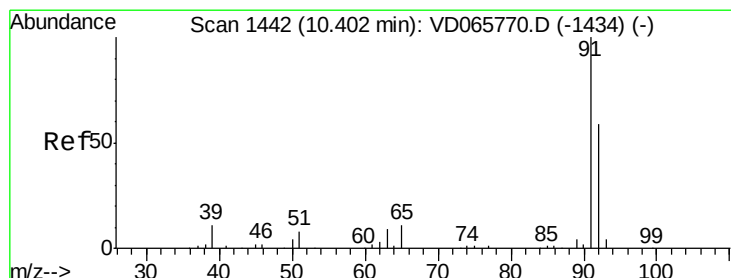
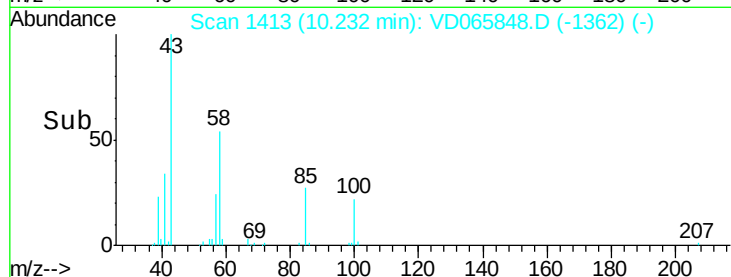
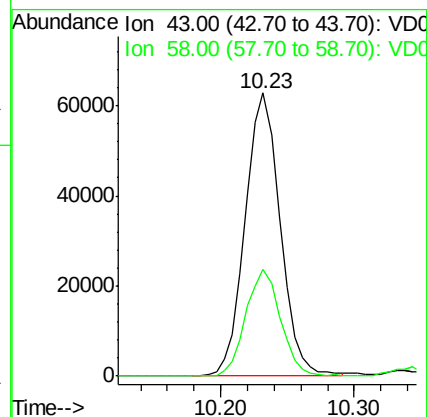
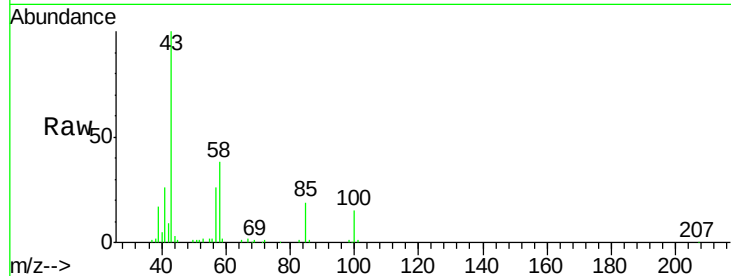
58 37.7 30.7 46.1

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#52

Toluene

Concen: 21.674 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD065848.D

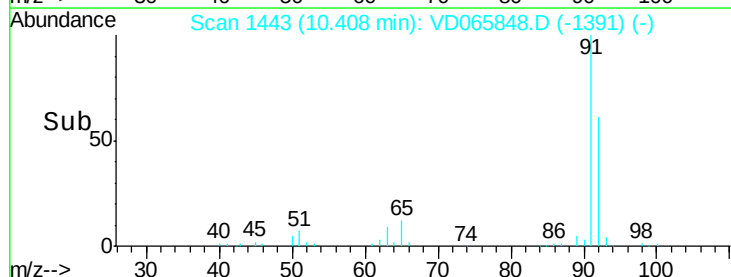
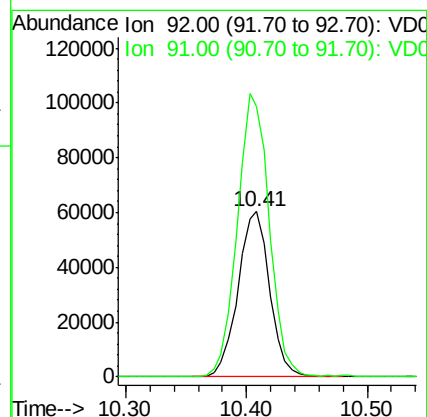
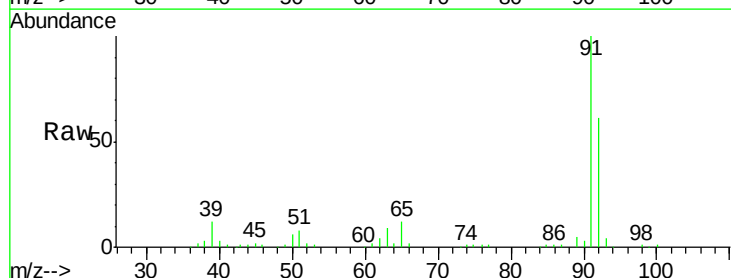
Acq: 22 Jun 2020 16:57

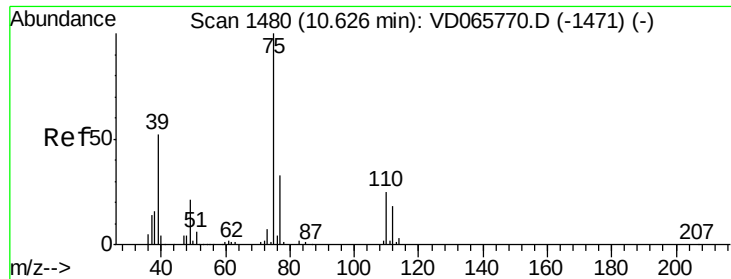
Tgt Ion: 92 Resp: 110591

Ion Ratio Lower Upper

92 100

91 172.1 137.8 206.8





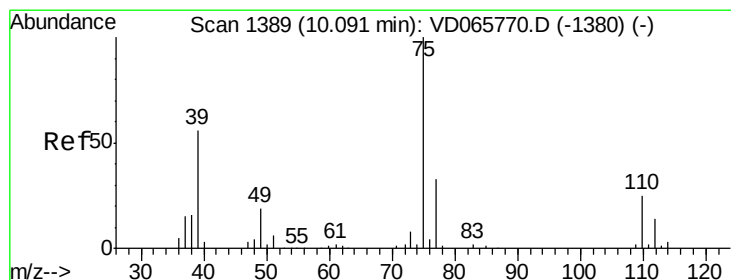
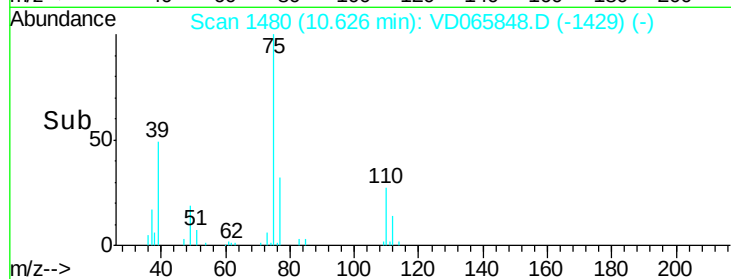
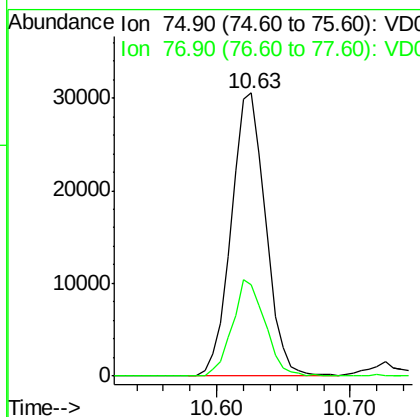
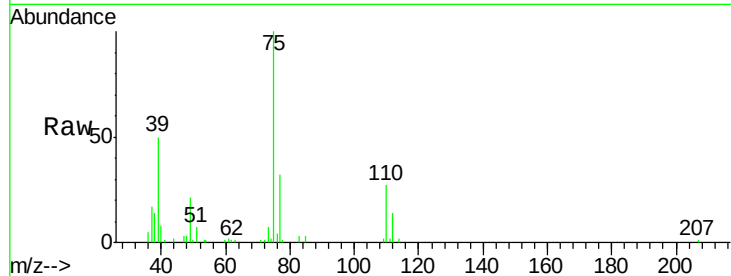
#53
t-1,3-Dichloropropene
Concen: 21.072 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion: 75 Resp: 54720
Ion Ratio Lower Upper
75 100
77 32.3 26.4 39.6

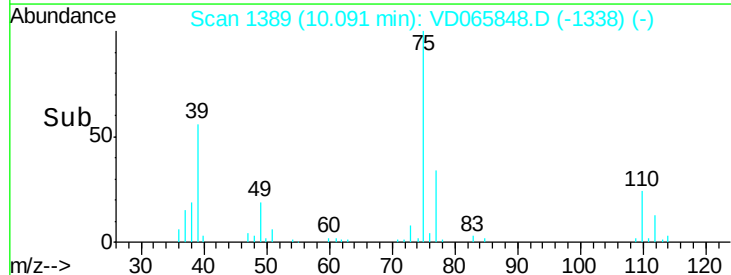
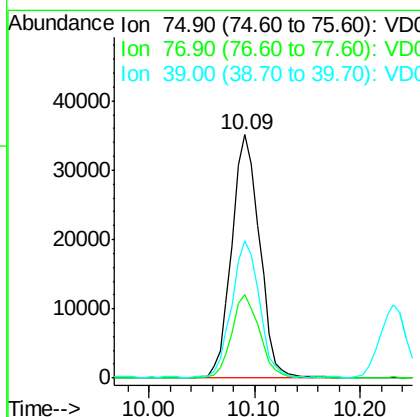
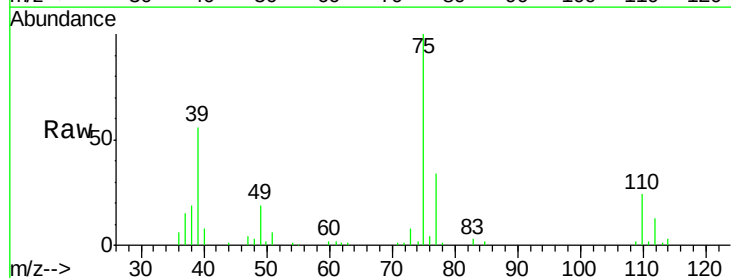
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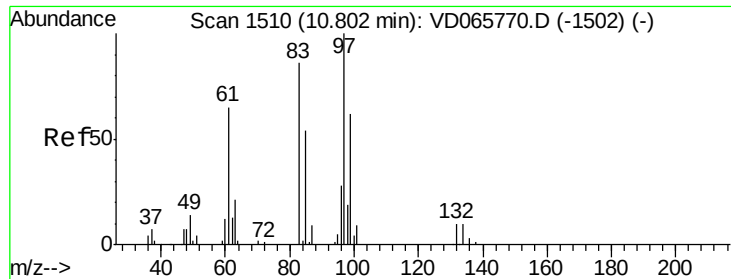
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#54
cis-1,3-Dichloropropene
Concen: 20.931 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Tgt Ion: 75 Resp: 64194
Ion Ratio Lower Upper
75 100
77 34.4 26.0 39.0
39 56.2 45.0 67.6





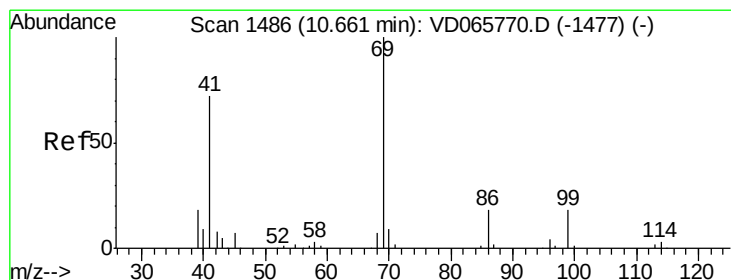
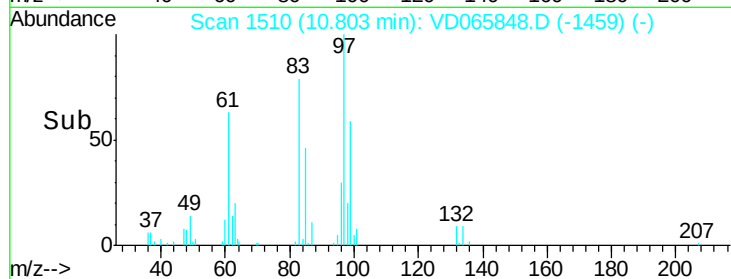
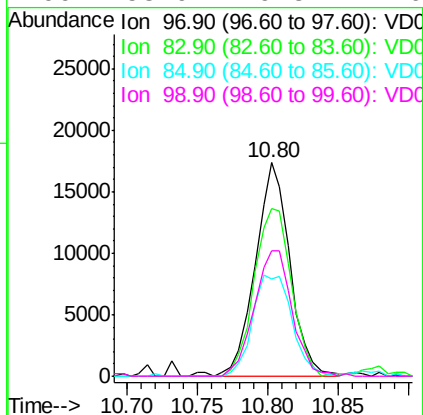
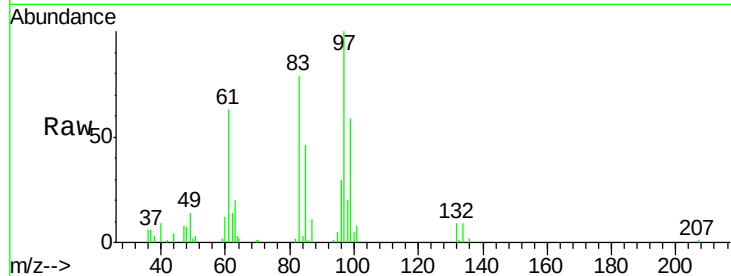
#55
 1,1,2-Trichloroethane
 Concen: 20.948 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065848.D
 Acq: 22 Jun 2020 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion:	97	Resp:	29954
Ion	Ratio	Lower	Upper
97	100		
83	78.6	68.7	103.1
85	45.8	43.0	64.6
99	58.9	49.8	74.6

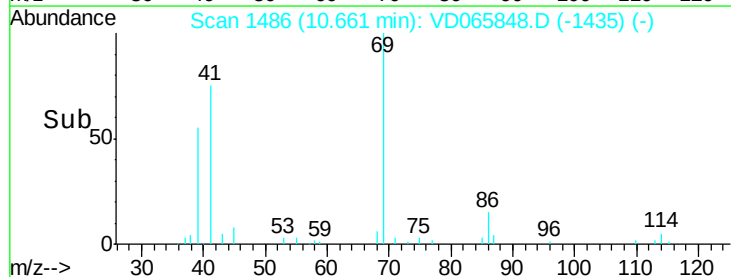
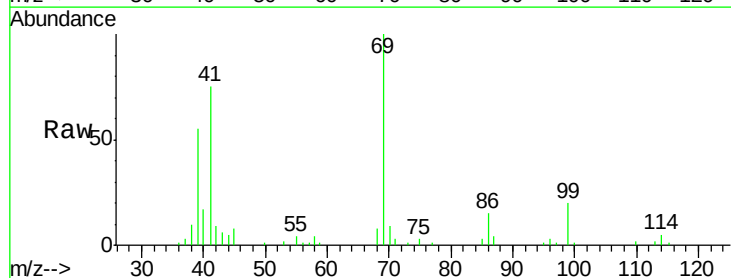
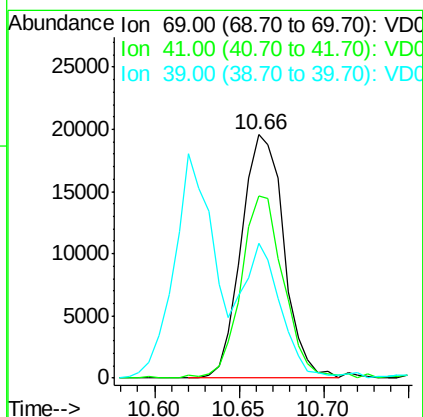
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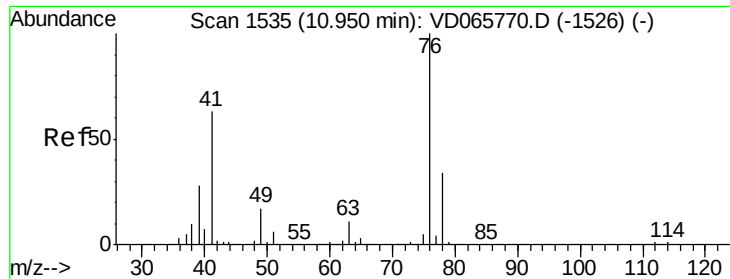
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#56
 Ethyl methacrylate
 Concen: 20.364 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD065848.D
 Acq: 22 Jun 2020 16:57

Tgt Ion:	69	Resp:	34250
Ion	Ratio	Lower	Upper
69	100		
41	75.3	56.9	85.3
39	48.0	36.0	54.0





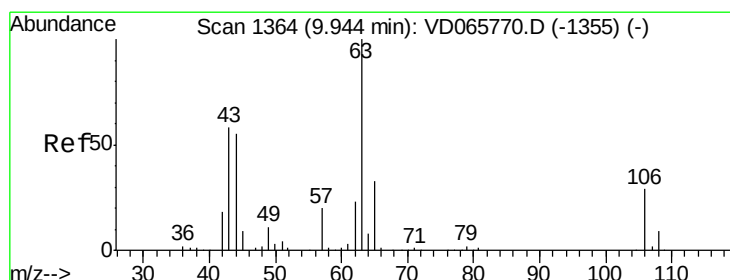
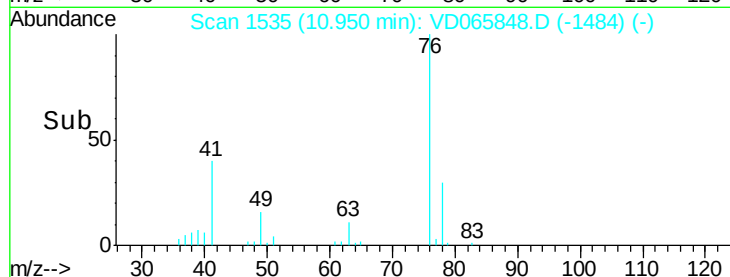
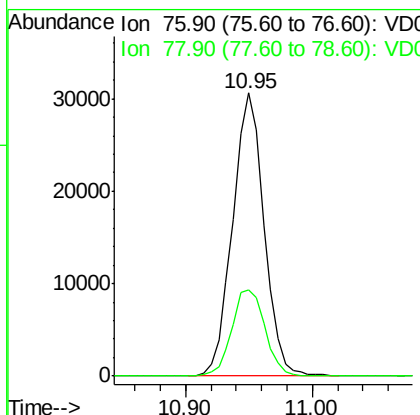
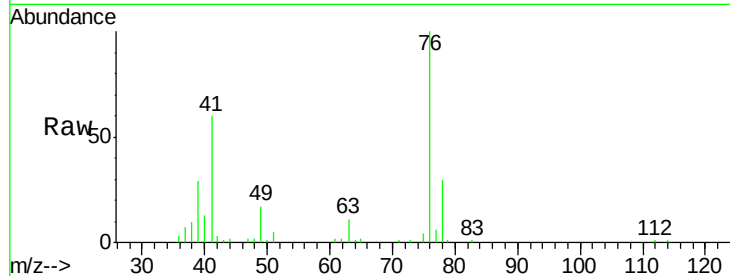
#57
 1,3-Dichloropropane
 Concen: 21.198 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065848.D
 Acq: 22 Jun 2020 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion: 76 Resp: 52512
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.3 39.5

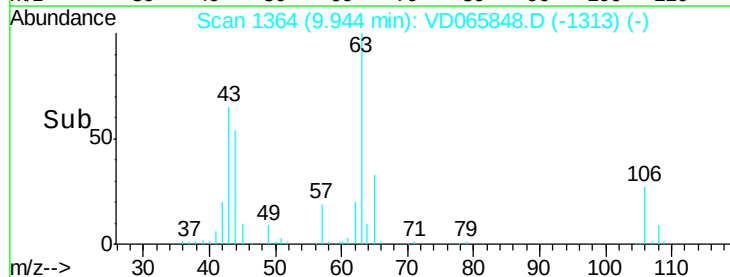
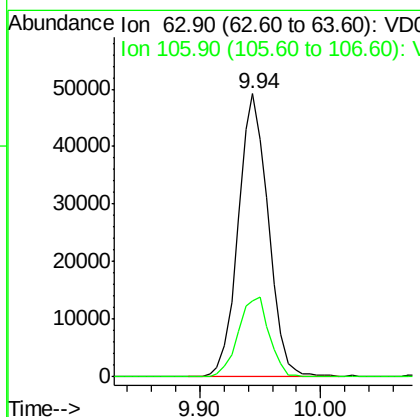
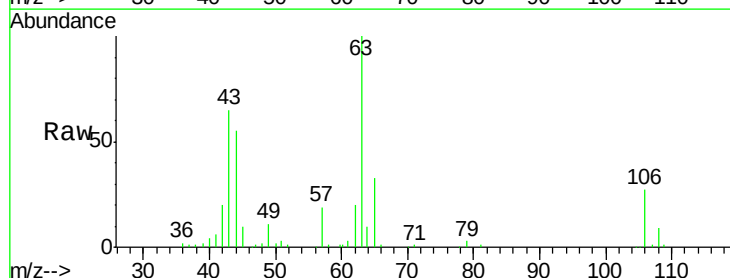
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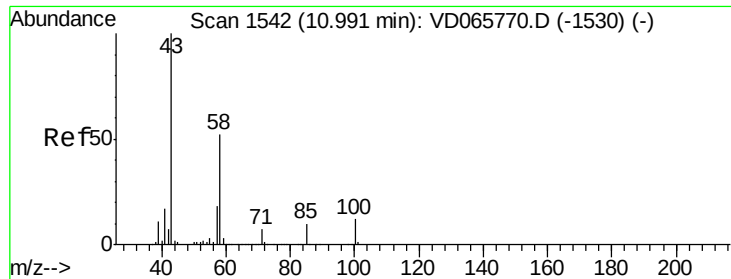
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 6/23/2020 11:02:19 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.103 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065848.D
 Acq: 22 Jun 2020 16:57

Tgt Ion: 63 Resp: 85310
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.2 34.8





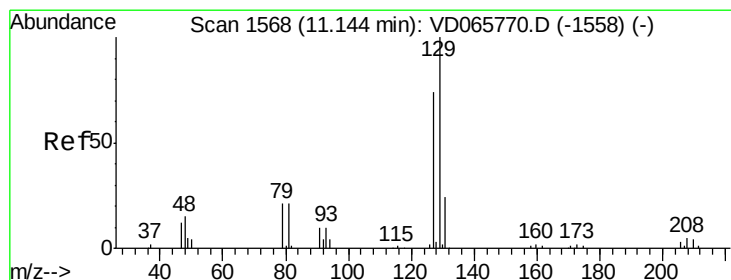
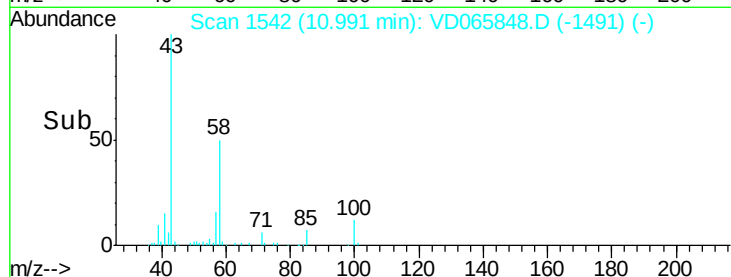
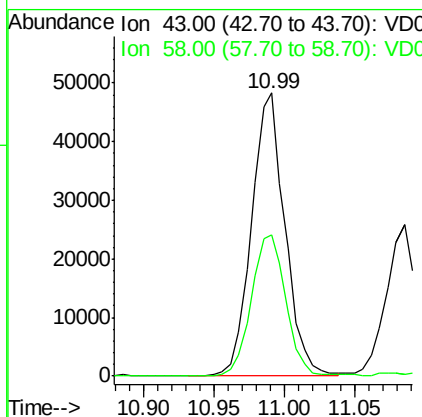
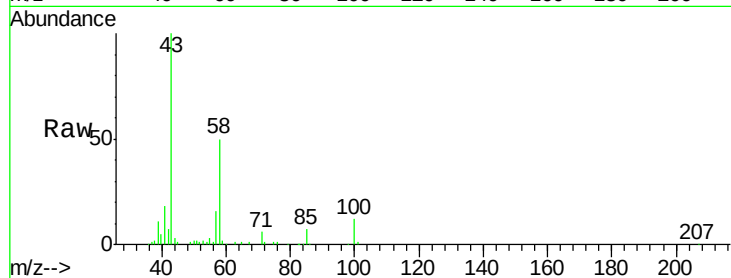
#59
2-Hexanone
Concen: 108.266 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion: 43 Resp: 80472
Ion Ratio Lower Upper
43 100
58 51.6 25.7 77.0

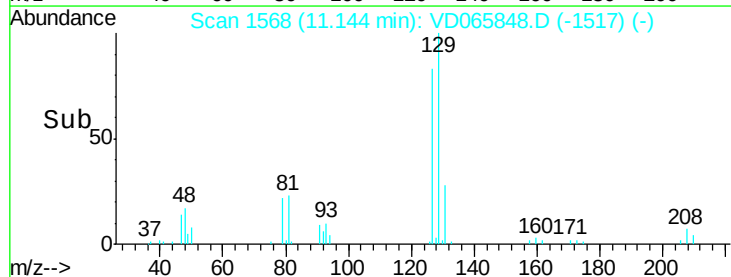
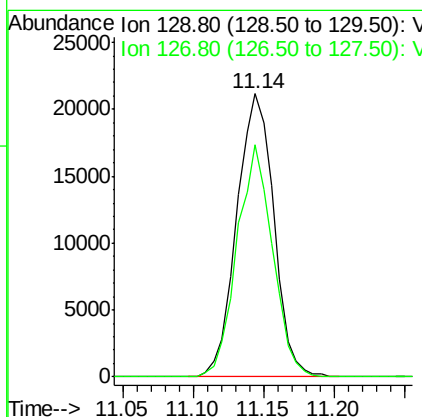
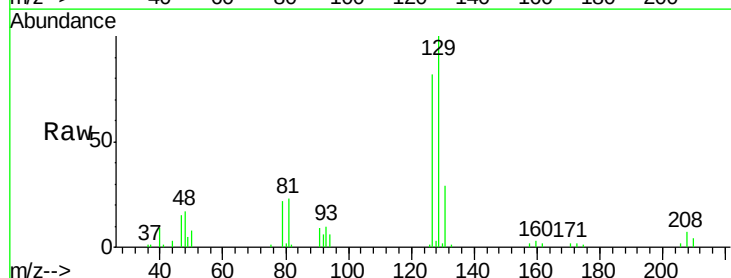
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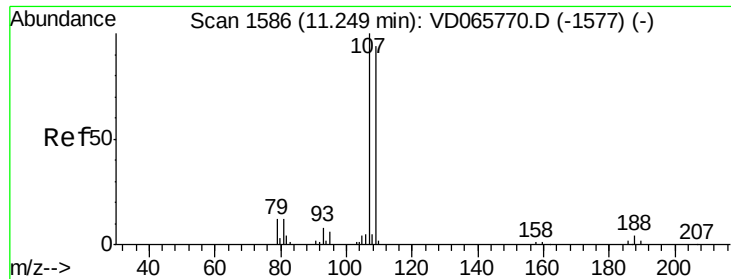
MMDadoda
6/23/2020 11:02:19 AM



#60
Dibromochloromethane
Concen: 20.123 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Tgt Ion: 129 Resp: 38871
Ion Ratio Lower Upper
129 100
127 78.7 38.0 113.9





#61

1,2-Dibromoethane

Concen: 19.915 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 107 Resp: 27985

Ion Ratio Lower Upper

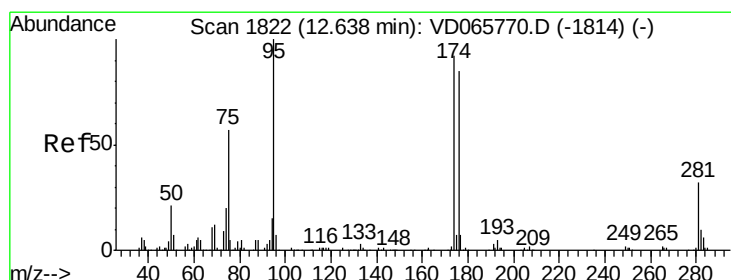
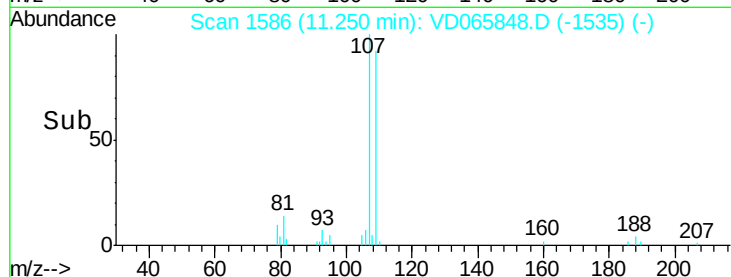
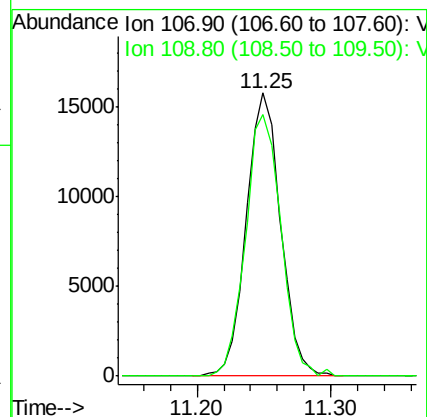
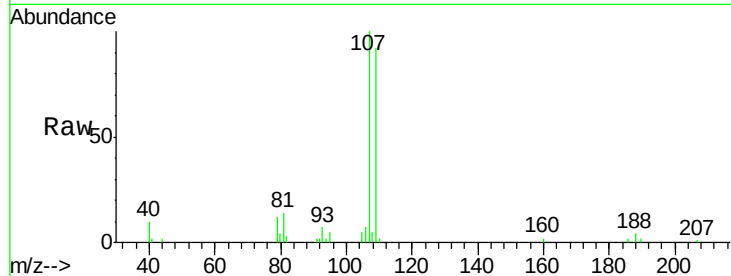
107 100

109 95.5 74.4 111.6

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6/23/2020 11:02:19 AM



#62

4-Bromofluorobenzene

Concen: 50.682 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

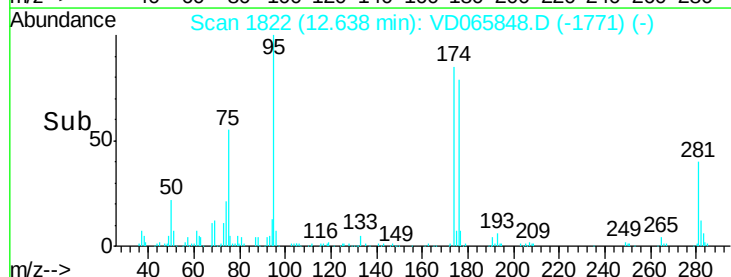
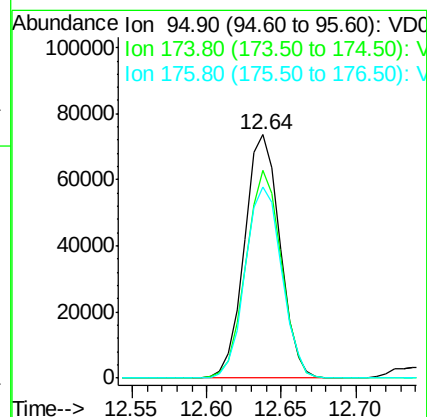
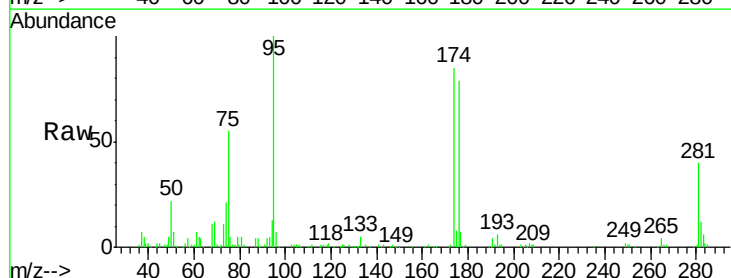
Tgt Ion: 95 Resp: 121399

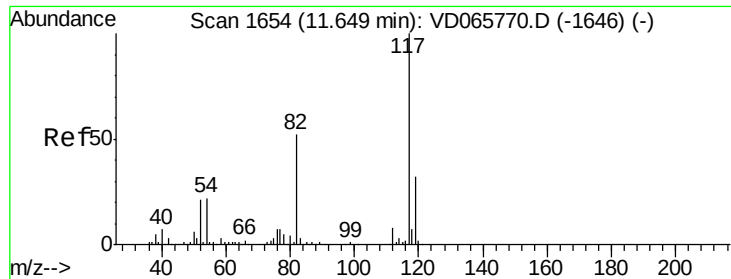
Ion Ratio Lower Upper

95 100

174 85.0 0.0 175.2

176 80.6 0.0 163.0





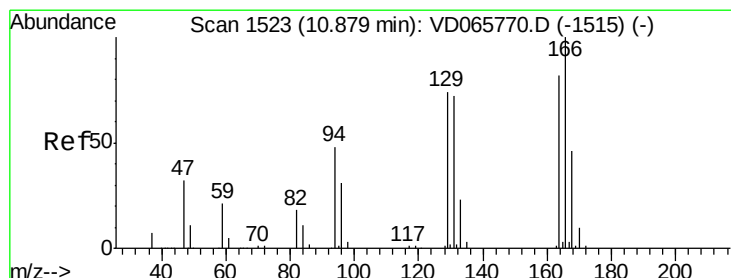
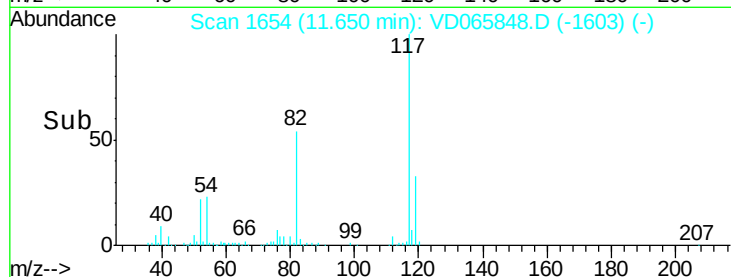
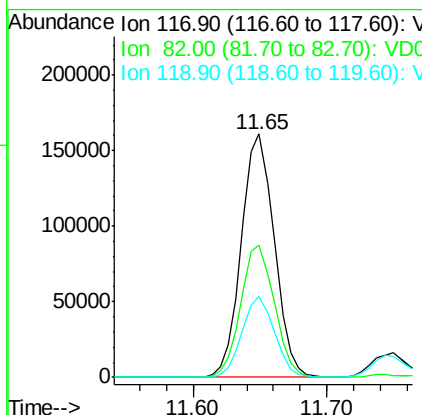
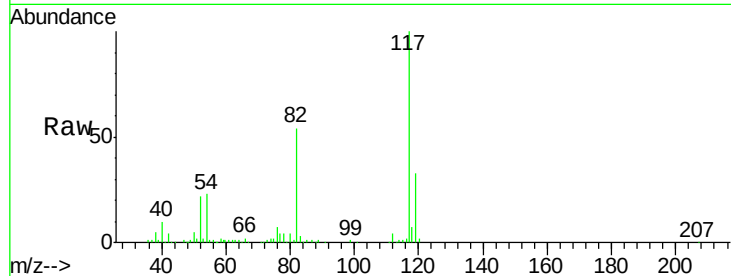
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	274761		
82	54.2		41.9	62.9
119	33.3		25.3	37.9

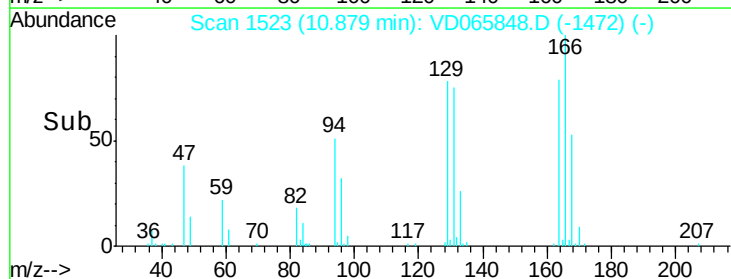
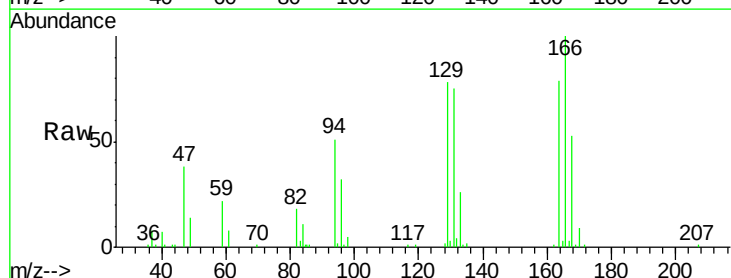
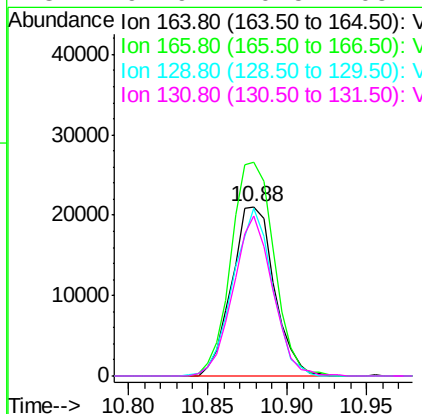
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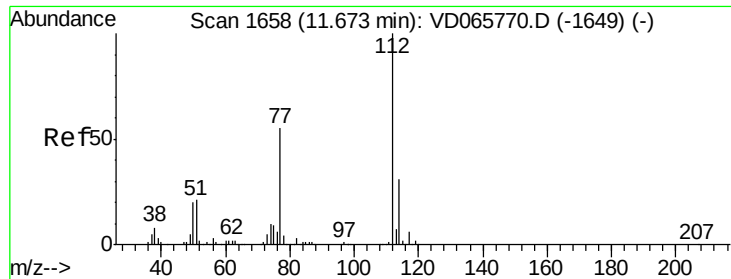
MMDadoda
6/23/2020 11:02:19 AM



#64
Tetrachloroethene
Concen: 21.056 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	39120		
166	126.2		98.2	147.2
129	98.9		72.3	108.5
131	94.9		70.5	105.7





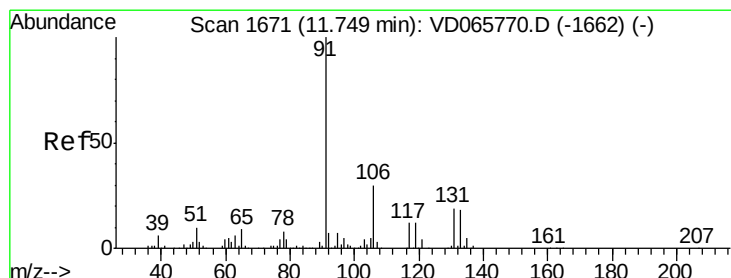
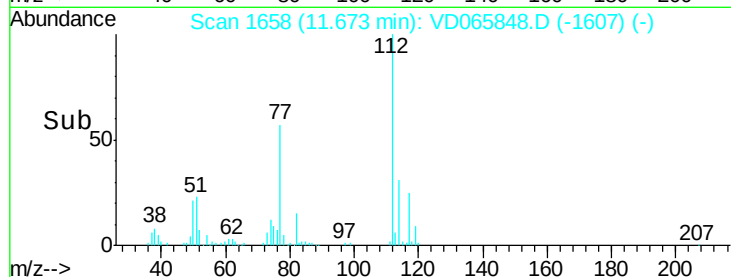
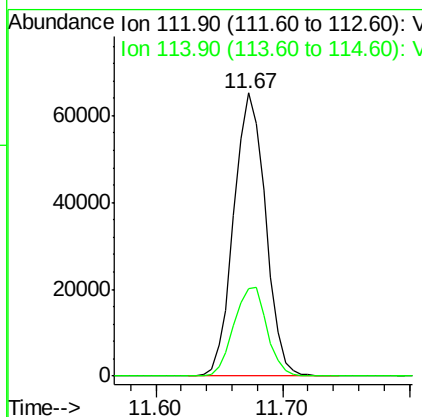
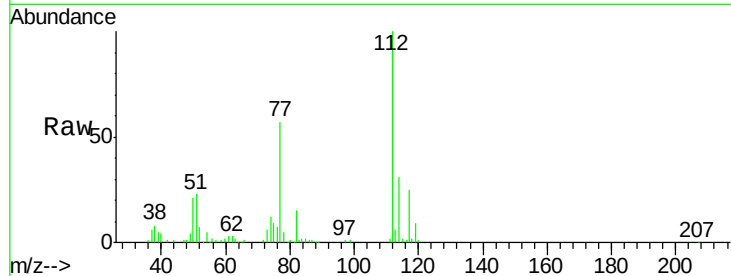
#65
Chlorobenzene
Concen: 21.070 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion:112 Resp: 113020
Ion Ratio Lower Upper
112 100
114 31.0 24.7 37.1

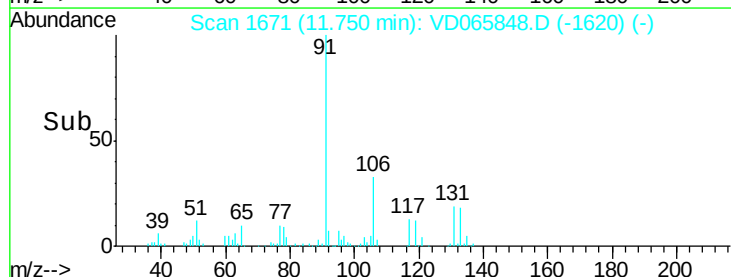
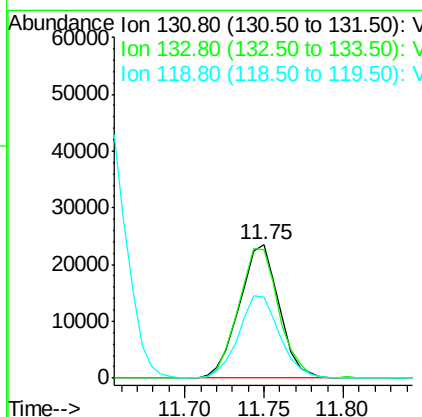
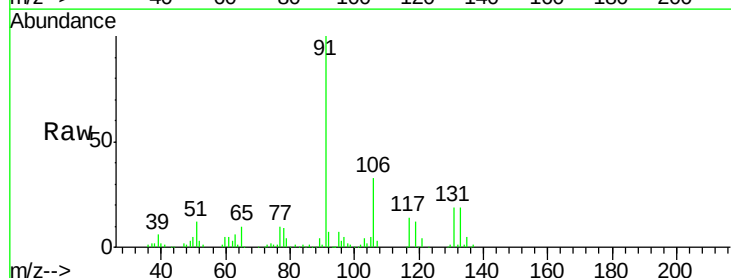
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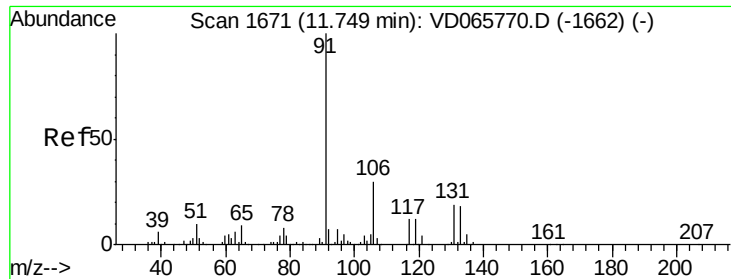
MMDadoda
6/23/2020 11:02:19 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.445 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Tgt Ion:131 Resp: 40878
Ion Ratio Lower Upper
131 100
133 99.0 47.3 141.9
119 63.3 31.6 94.8





#67

Ethyl Benzene

Concen: 21.287 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 91 Resp: 203979

Ion Ratio Lower Upper

91 100

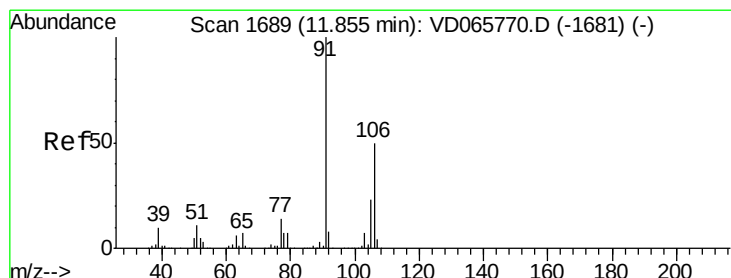
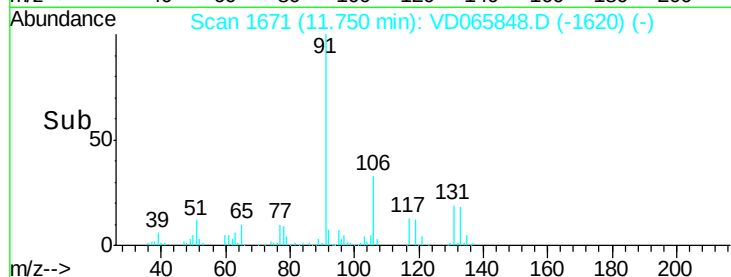
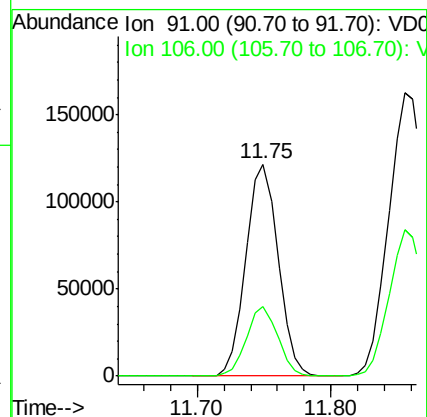
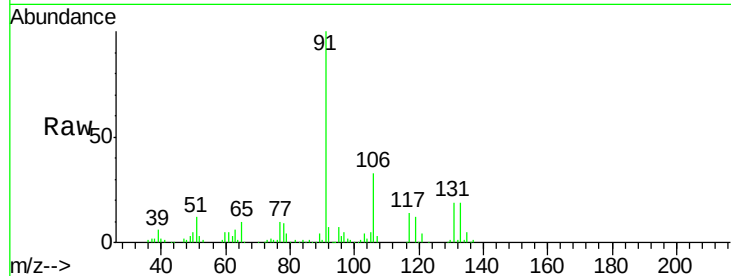
106 32.8 24.1 36.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 42.802 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065848.D

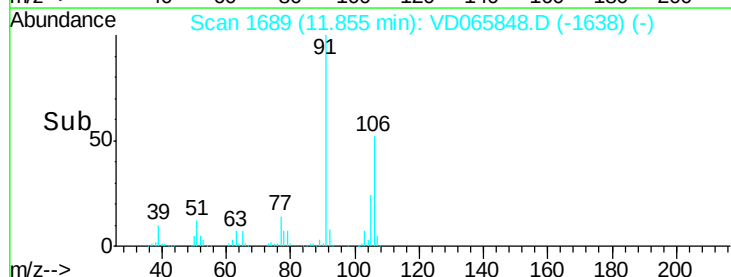
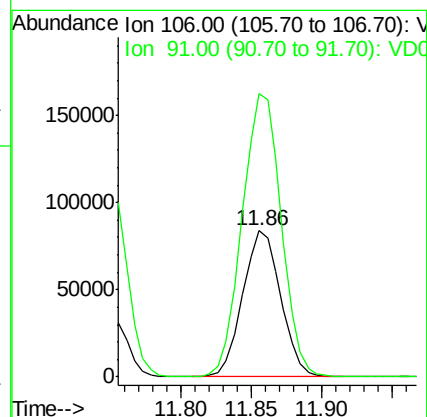
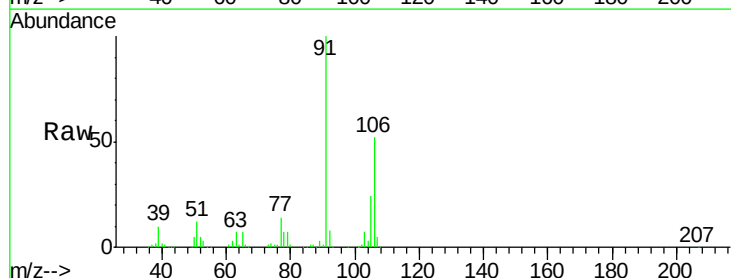
Acq: 22 Jun 2020 16:57

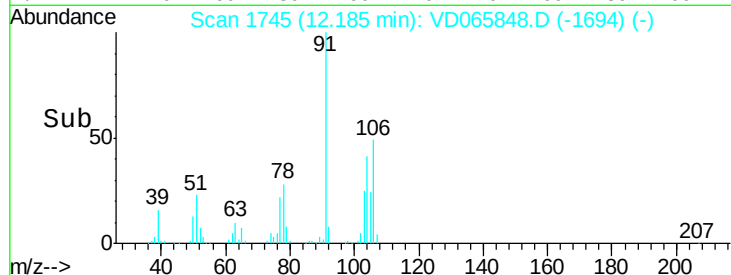
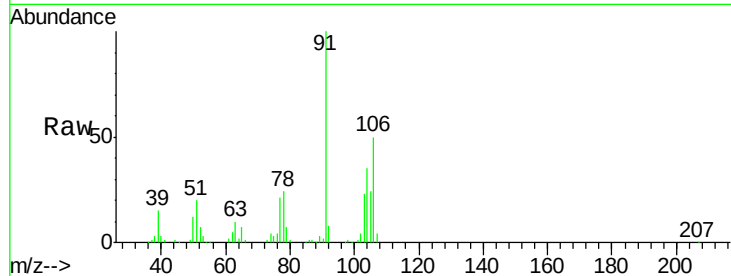
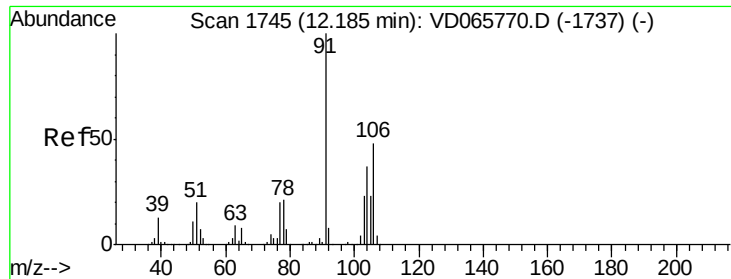
Tgt Ion: 106 Resp: 157980

Ion Ratio Lower Upper

106 100

91 199.5 159.4 239.2





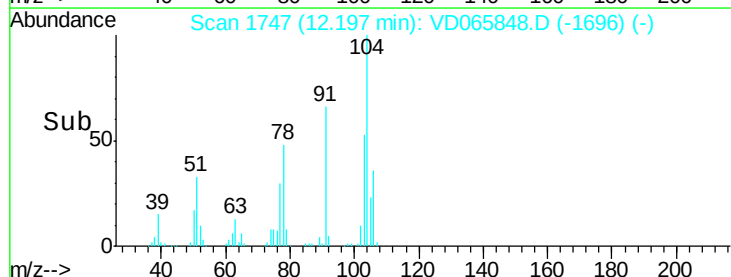
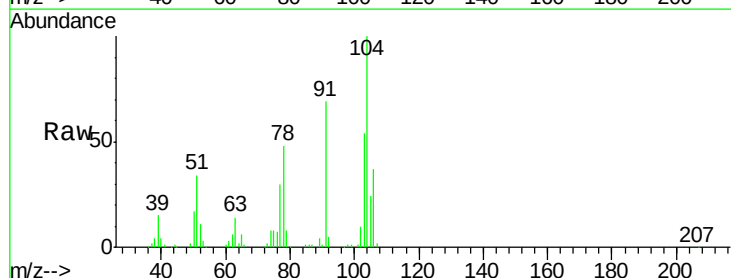
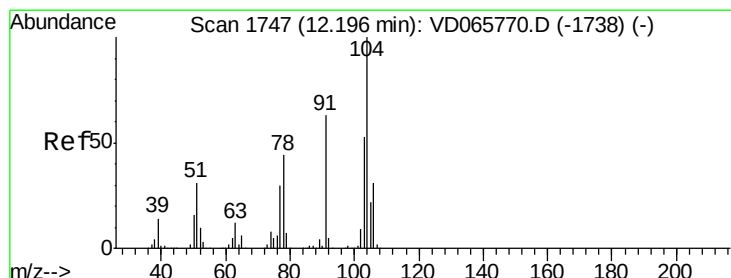
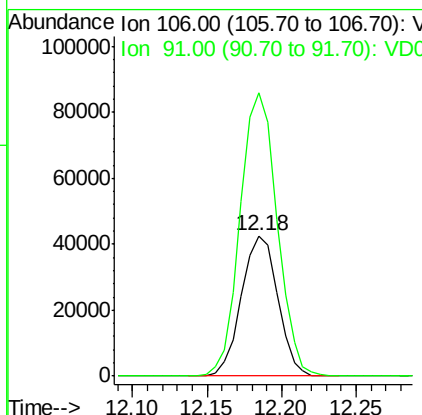
#69
o-Xylene
Concen: 21.571 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		71785		
91	205.9	105.3	315.8		

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

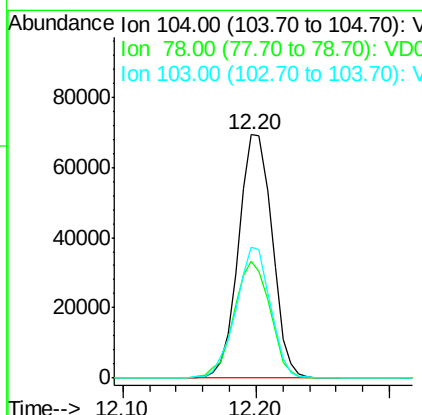
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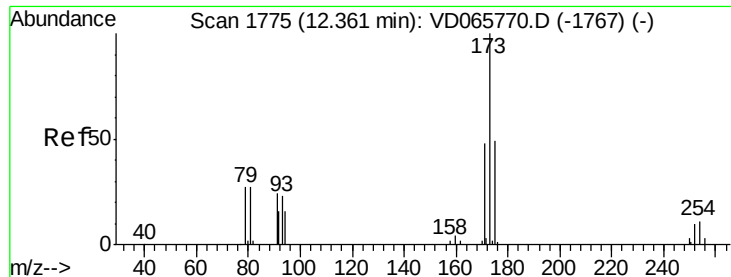
MMDadoda
6/23/2020 11:02:19 AM



#70
Styrene
Concen: 21.039 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		121204		
78	51.3	38.6	58.0		
103	55.2	43.9	65.9		





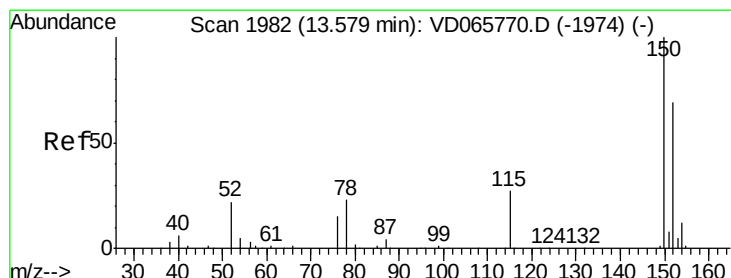
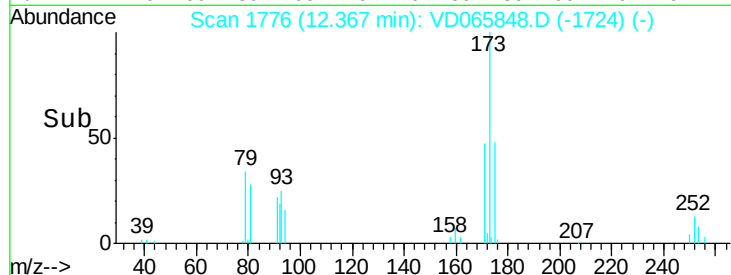
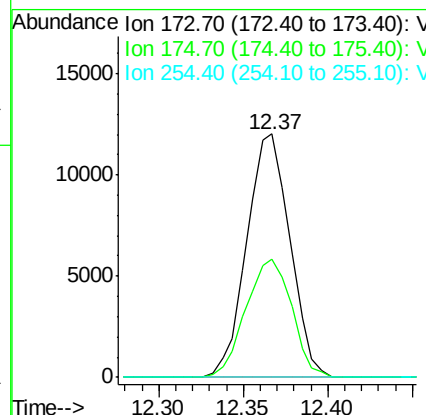
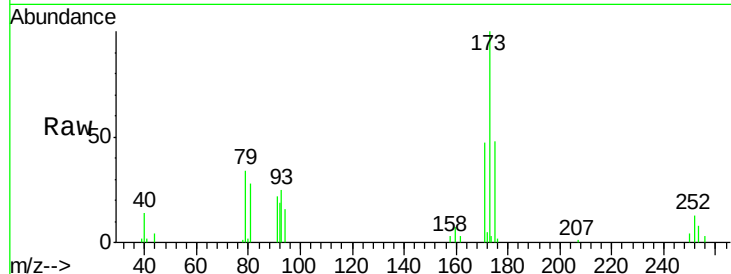
#71
Bromoform
Concen: 19.423 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.4	24.8	74.4
254	0.0	0.0	0.0

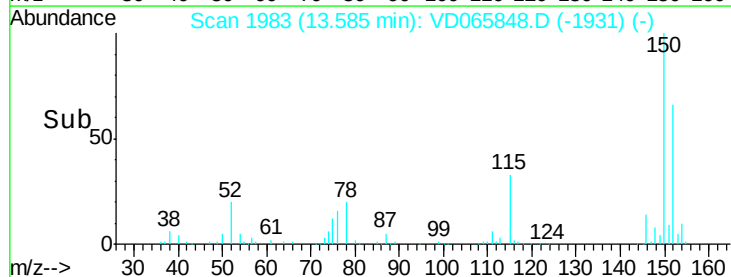
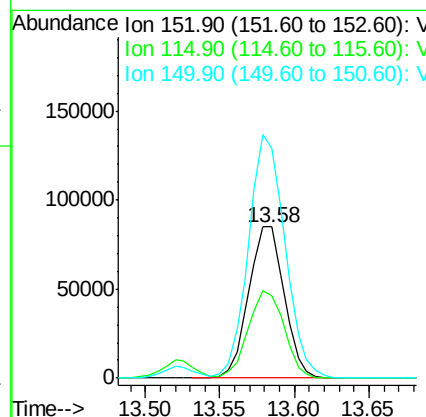
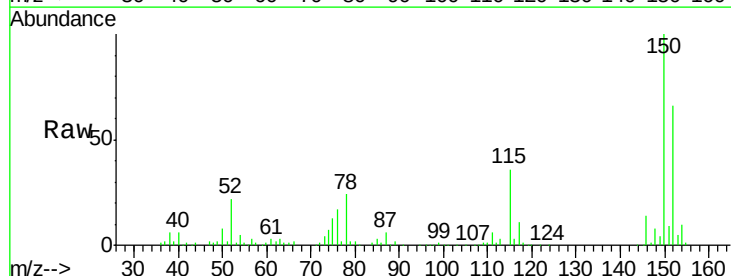
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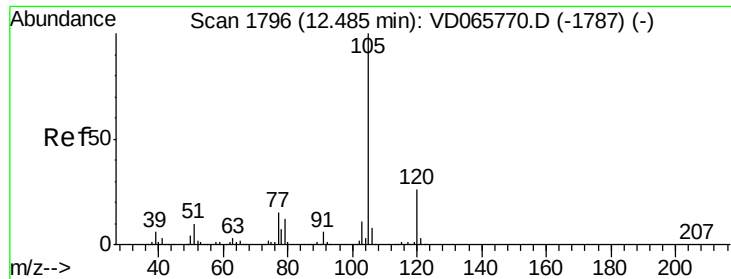
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6/23/2020 11:02:19 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.7	86.1
150	165.2	0.0	348.0





#73

Isopropylbenzene

Concen: 21.094 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 105 Resp: 198100

Ion Ratio Lower Upper

105 100

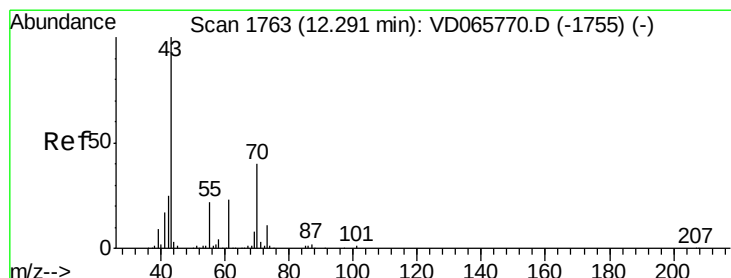
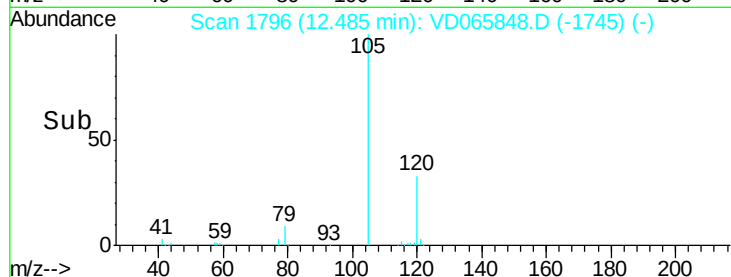
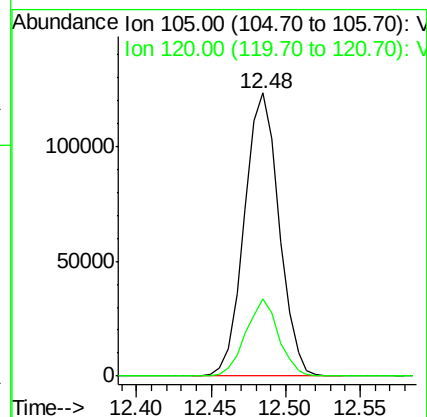
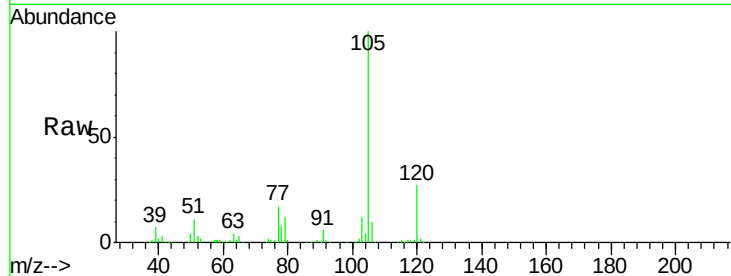
120 25.8 13.5 40.5

Manual Integrations

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6/23/2020 11:02:19 AM



#74

N-ethyl acetate

Concen: 20.224 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

Tgt Ion: 43 Resp: 42256

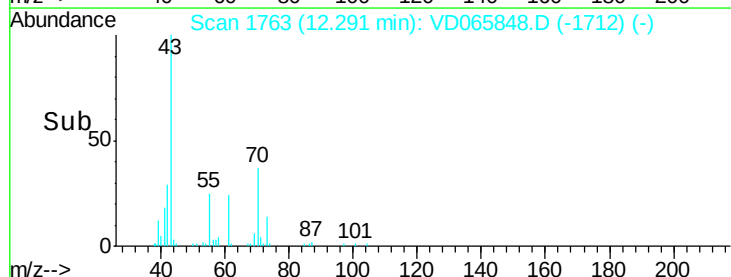
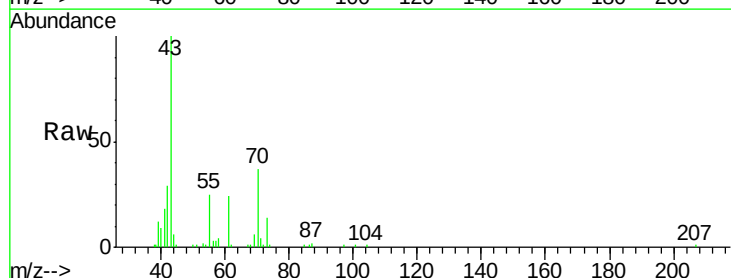
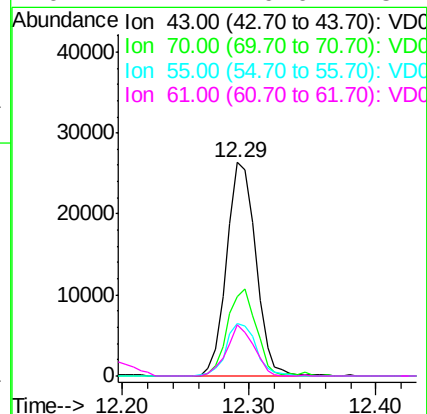
Ion Ratio Lower Upper

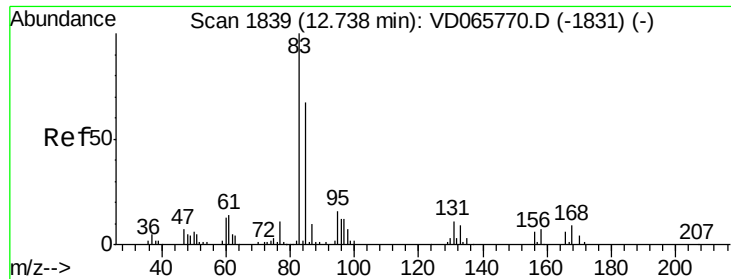
43 100

70 40.2 32.3 48.5

55 25.4 19.0 28.4

61 22.1 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.487 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

Instrument :

MSVOA_D

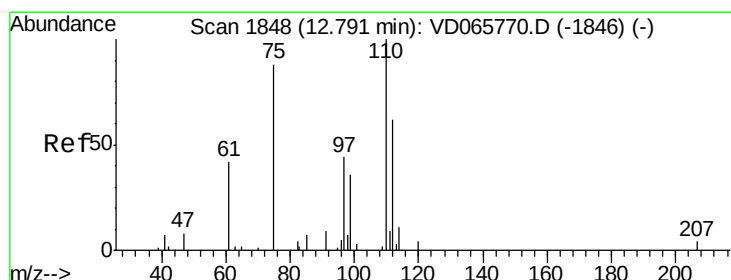
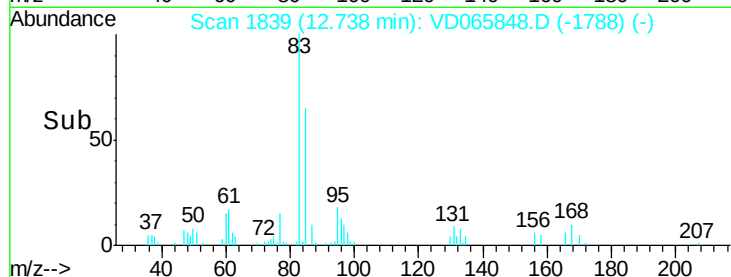
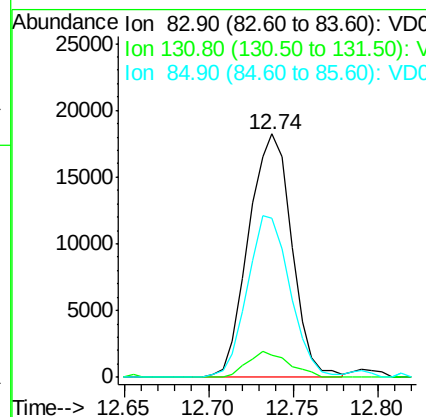
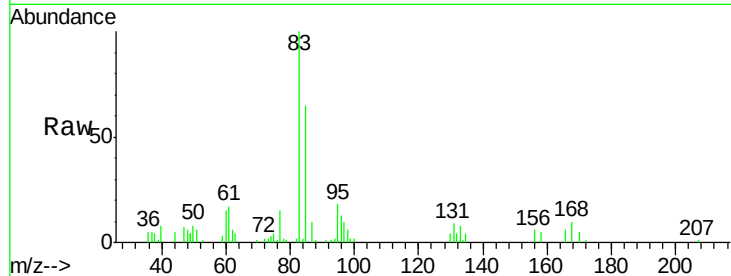
ClientSampleId :

VD0622SBS01

Tot Ion:	83	Resp:	32494
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.5	16.4
85	65.9	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 17.924 ug/l m

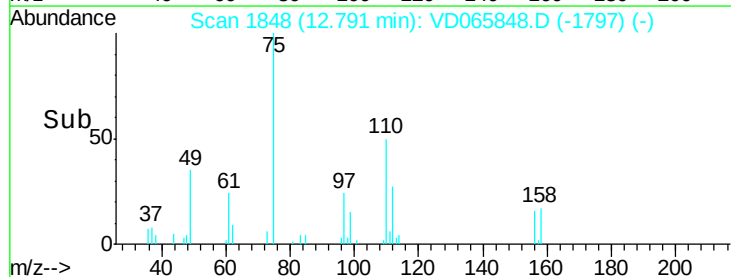
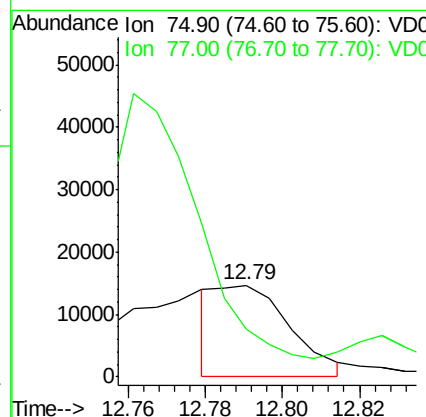
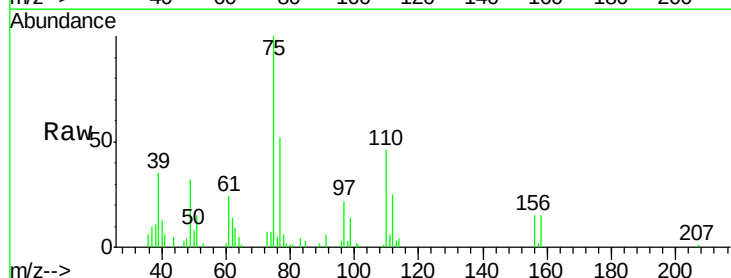
RT: 12.79 min Scan# 1848

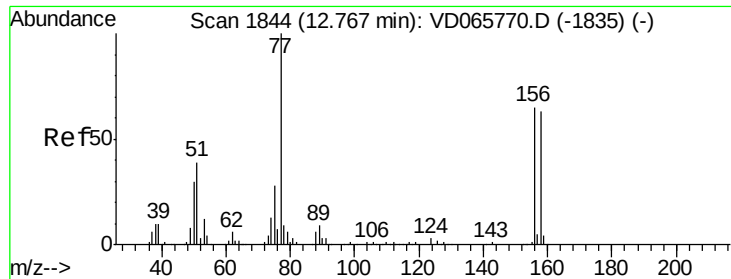
Delta R.T. 0.00 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

Tgt Ion:	75	Resp:	19526
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





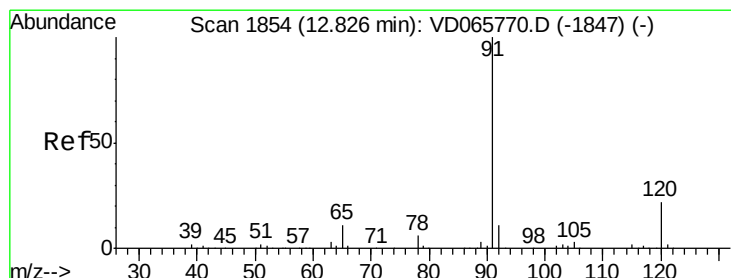
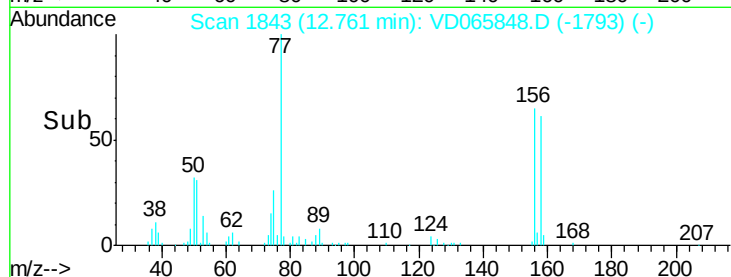
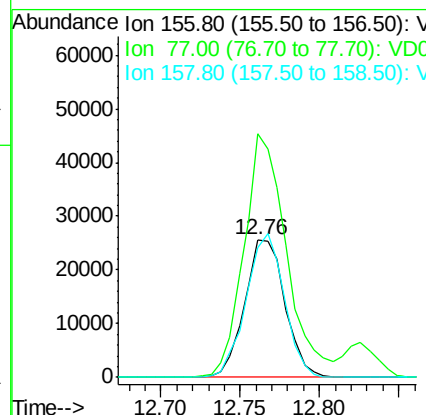
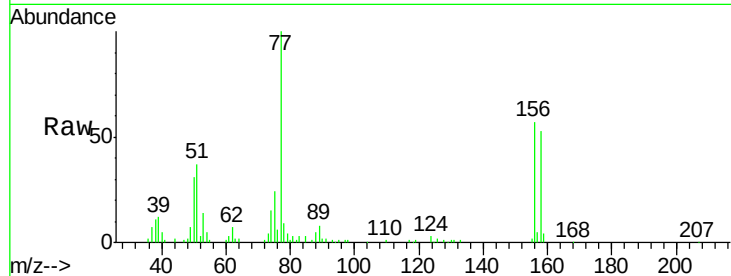
#77
Bromobenzene
Concen: 20.333 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.01 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	187.2	87.3	261.8
158	98.8	48.0	144.0

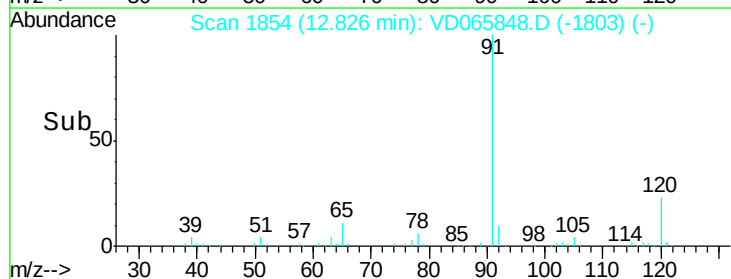
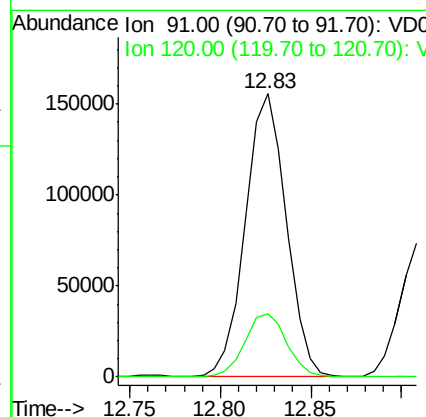
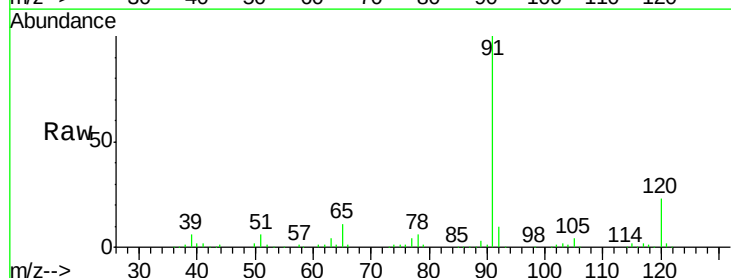
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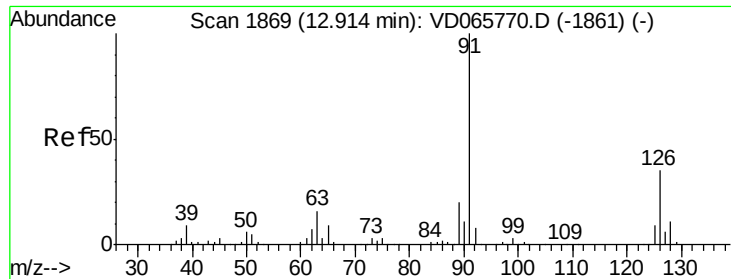
MMDadoda
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#78
n-propylbenzene
Concen: 21.585 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.3	33.8





#79

2-Chlorotoluene

Concen: 21.668 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 91 Resp: 134373

Ion Ratio Lower Upper

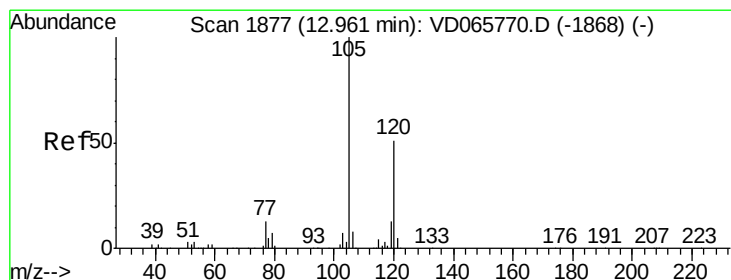
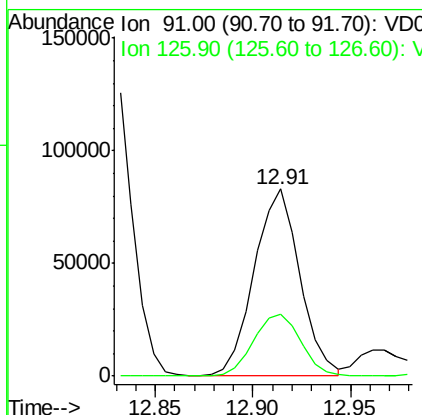
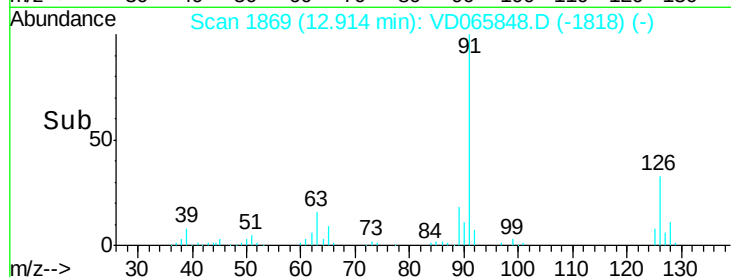
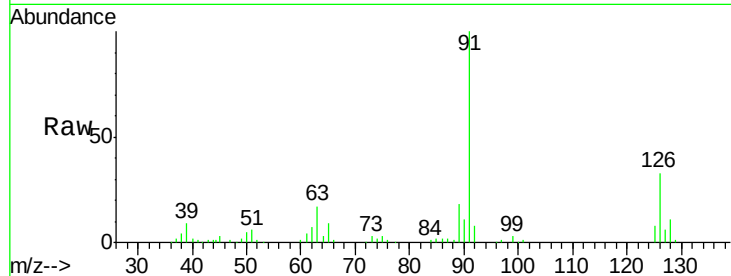
91 100

126 34.3 17.5 52.6

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#80

1,3,5-Trimethylbenzene

Concen: 21.490 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD065848.D

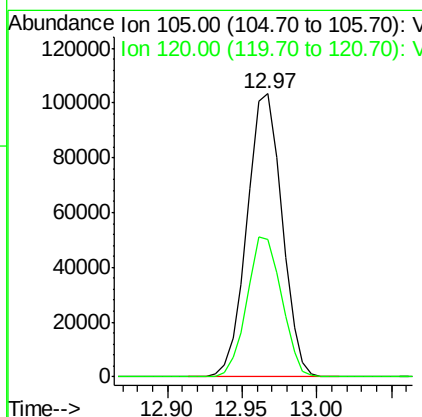
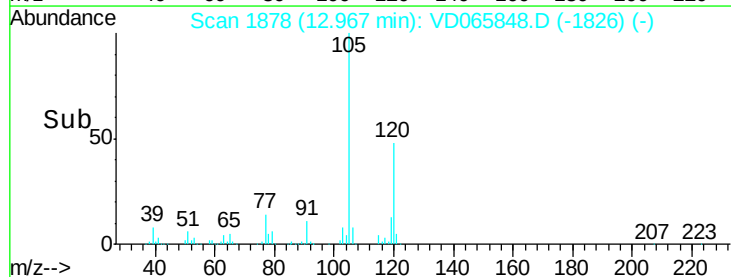
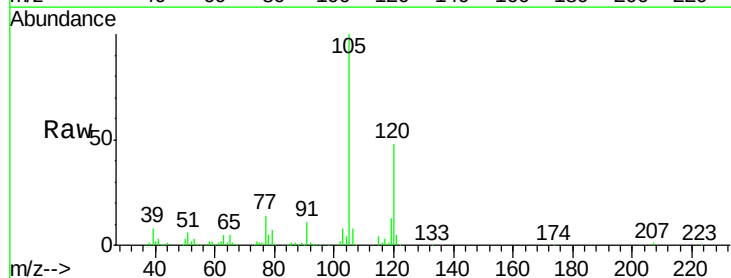
Acq: 22 Jun 2020 16:57

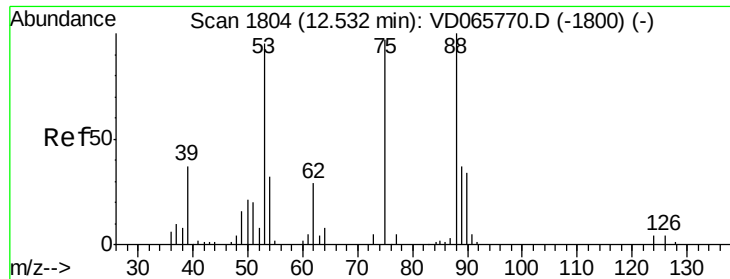
Tgt Ion: 105 Resp: 167947

Ion Ratio Lower Upper

105 100

120 49.0 25.4 76.0





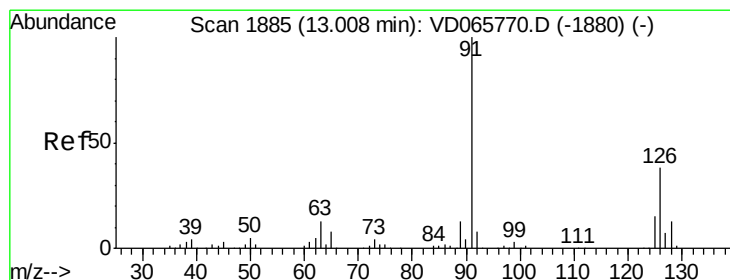
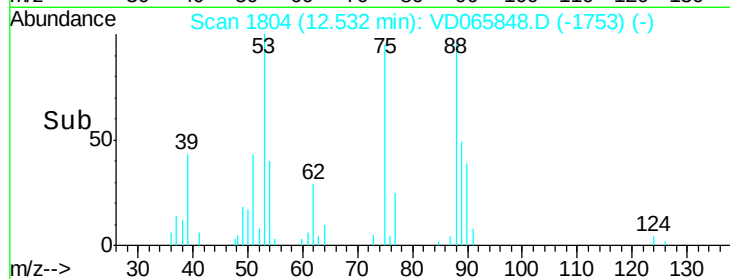
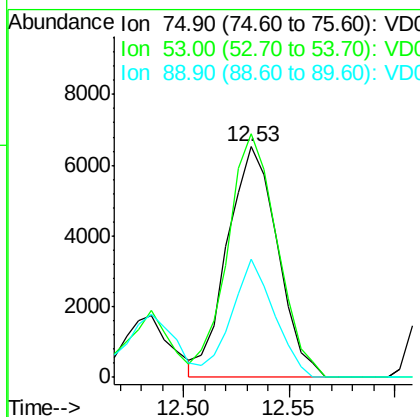
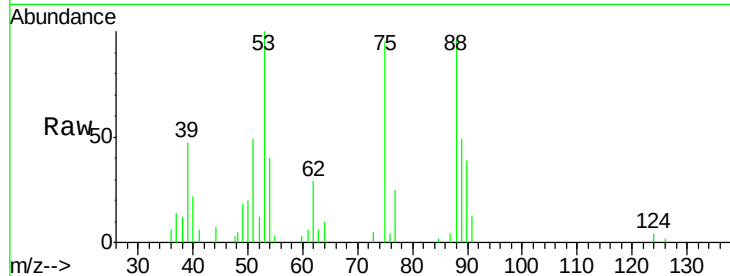
#81
trans-1,4-Dichloro-2-butene
Concen: 21.272 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.5	82.6	123.8
89	43.1	35.9	53.9

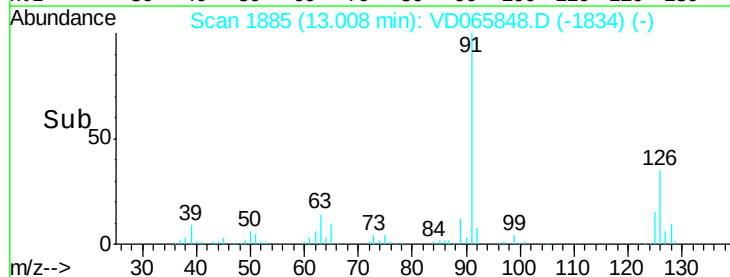
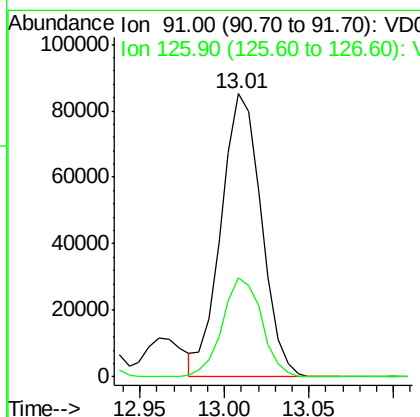
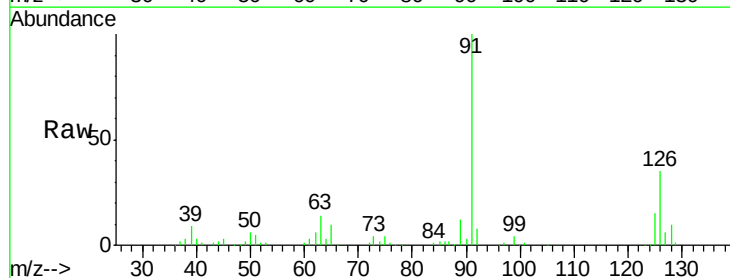
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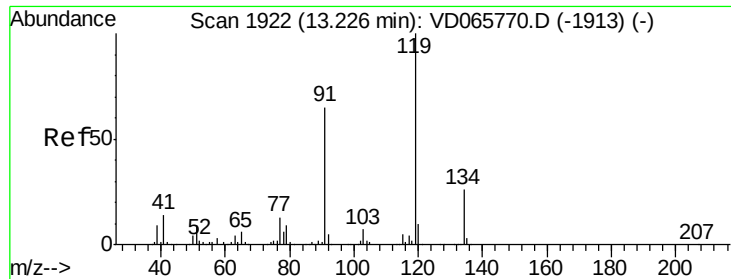
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#82
4-Chlorotoluene
Concen: 21.216 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.6	52.8





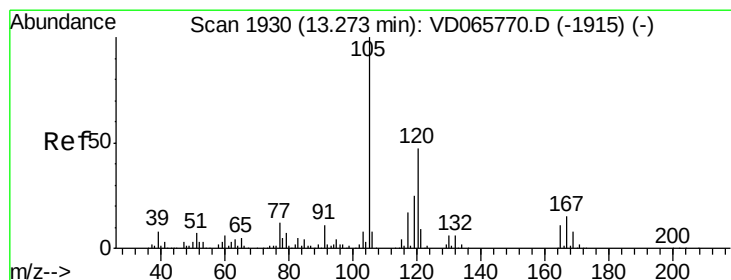
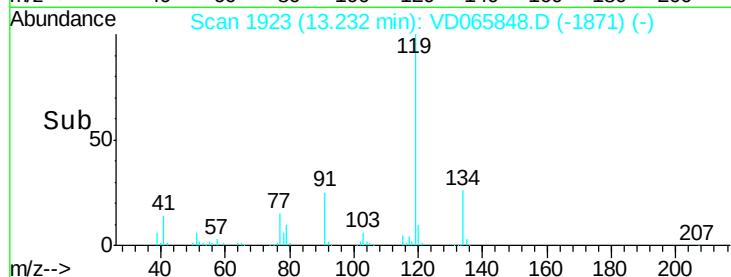
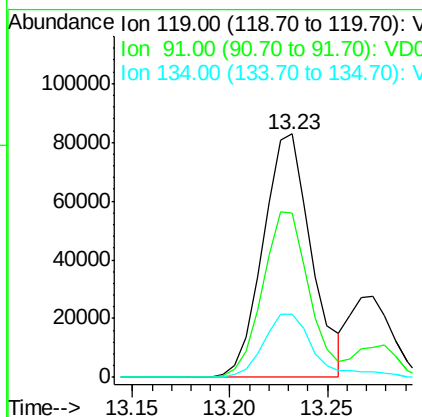
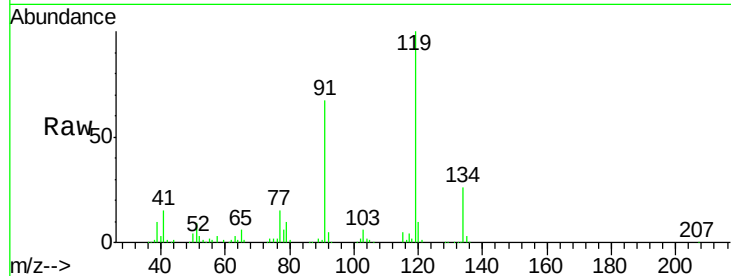
#83
 tert-Butylbenzene
 Concen: 20.883 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD065848.D
 Acq: 22 Jun 2020 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	141612		
91	65.6	32.0	96.0	
134	27.4	13.8	41.4	

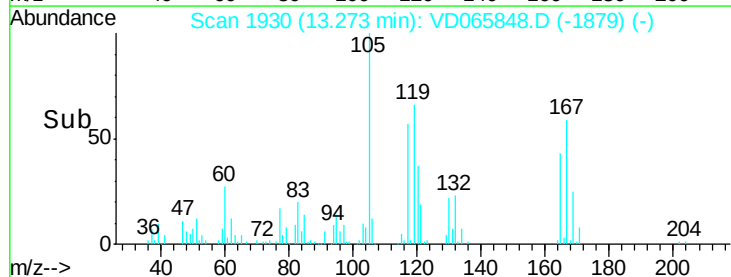
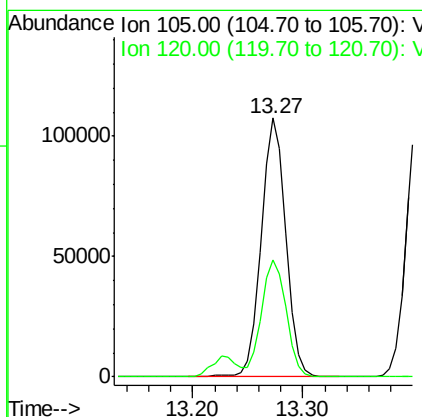
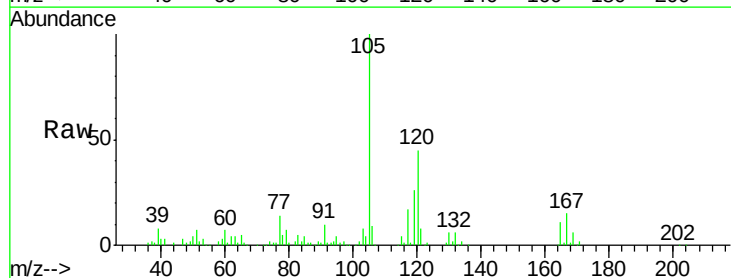
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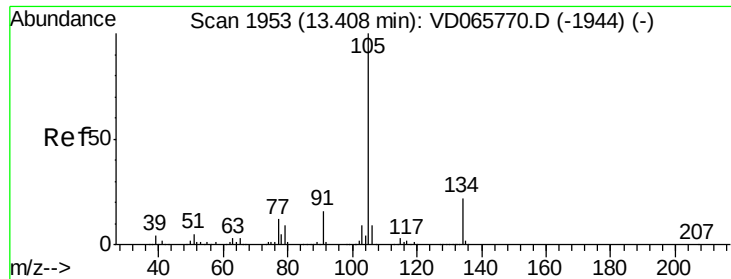
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.440 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD065848.D
 Acq: 22 Jun 2020 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	167716		
120	45.9	23.3	69.8	





#85

sec-Butylbenzene

Concen: 21.014 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion:105 Resp: 198312

Ion Ratio Lower Upper

105 100

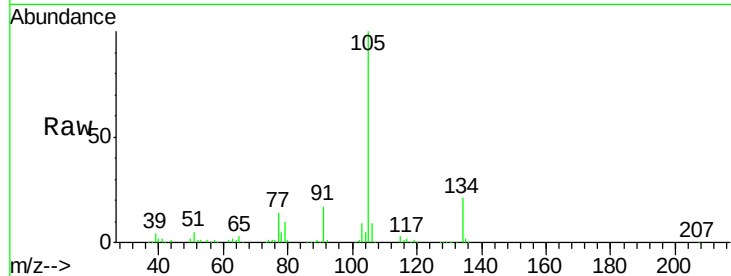
134 20.4 10.4 31.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

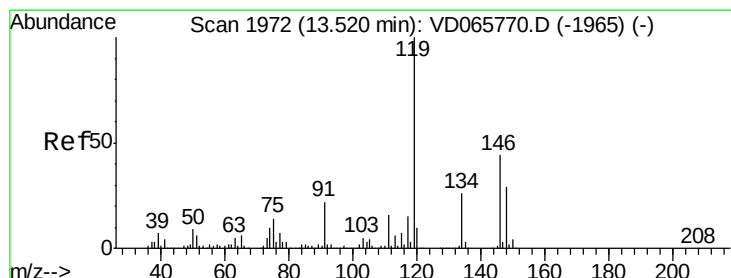
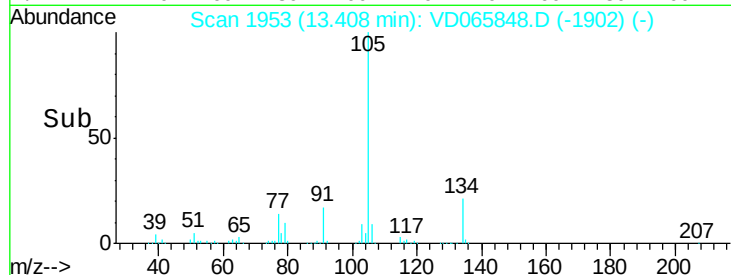
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.403 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

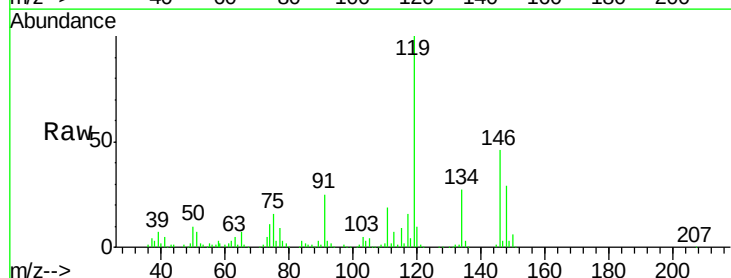
Tgt Ion:119 Resp: 185134

Ion Ratio Lower Upper

119 100

134 25.9 13.3 39.9

91 24.1 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

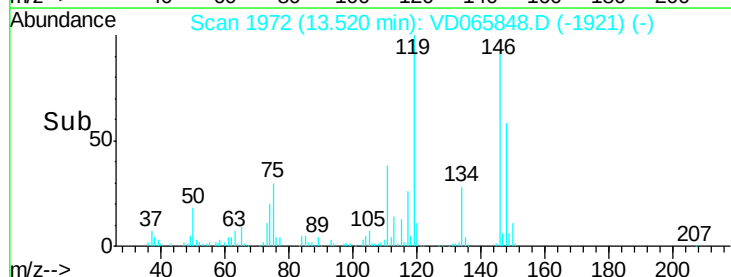
150000

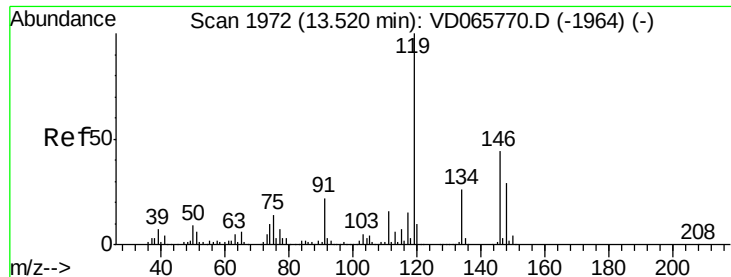
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.718 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

Instrument :

MSVOA_D

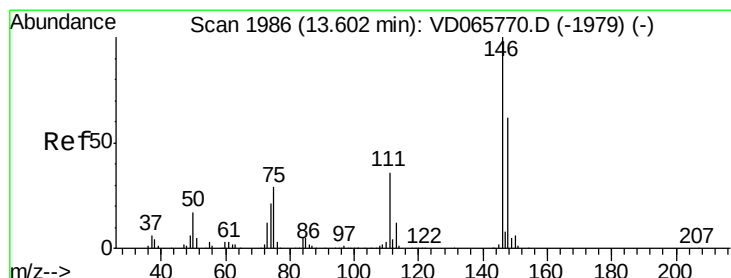
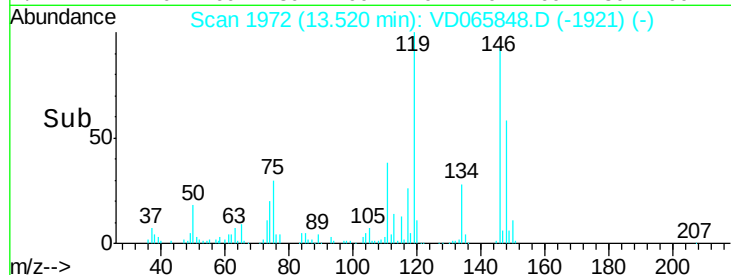
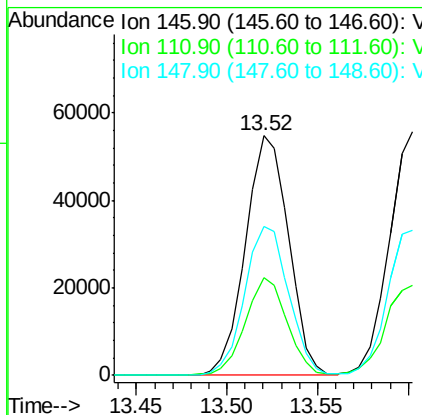
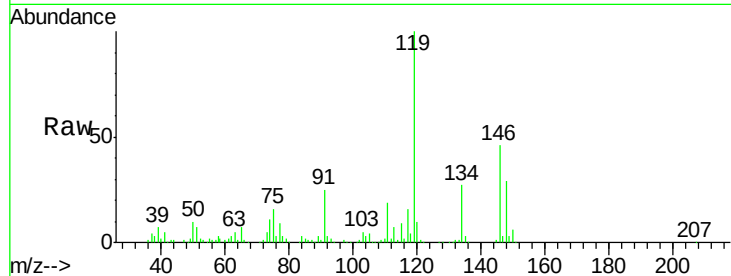
ClientSampleId :

VD0622SBS01

Tot Ion:146 Resp: 90771
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.2 57.6
 148 63.4 32.1 96.3

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#88

1,4-Dichlorobenzene

Concen: 20.535 ug/l

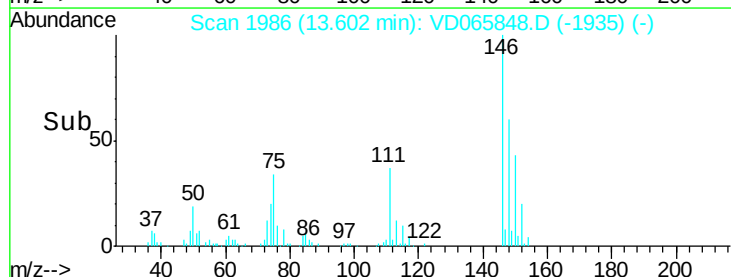
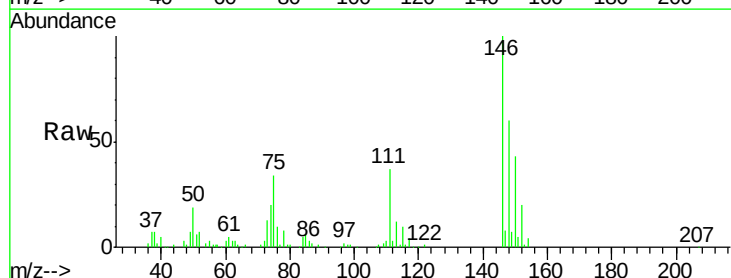
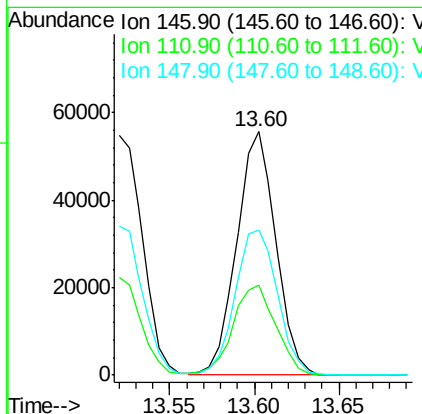
RT: 13.60 min Scan# 1986

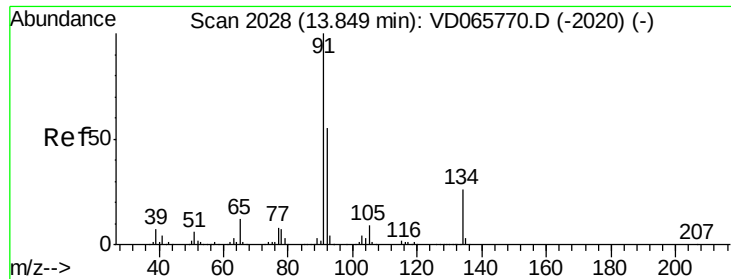
Delta R.T. 0.00 min

Lab File: VD065848.D

Acq: 22 Jun 2020 16:57

Tgt Ion:146 Resp: 89496
 Ion Ratio Lower Upper
 146 100
 111 40.5 18.9 56.7
 148 64.4 31.6 94.7





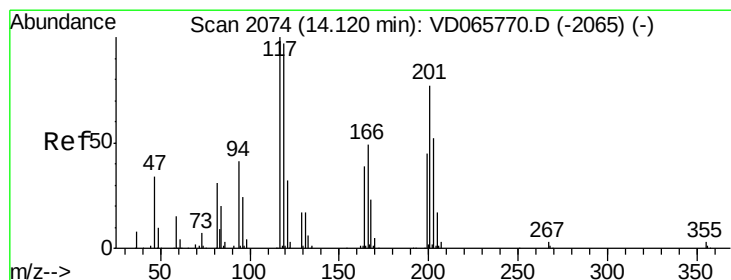
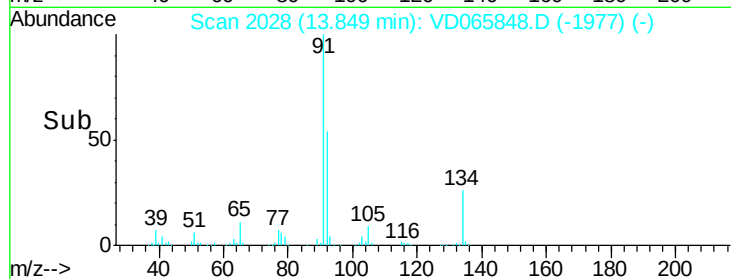
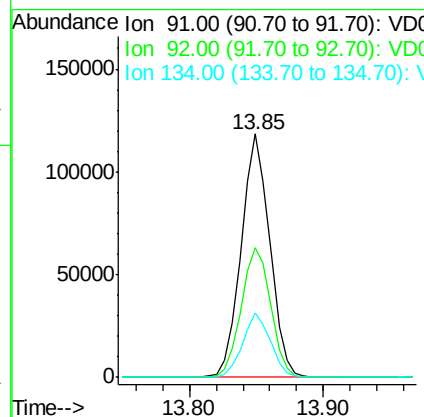
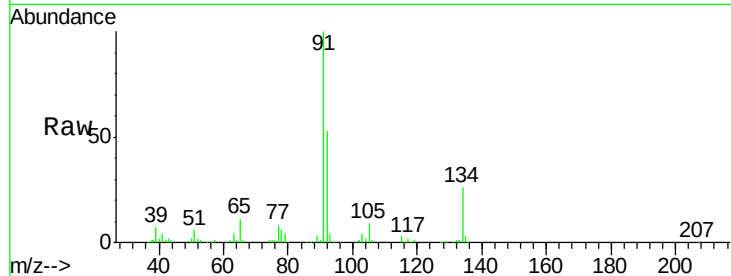
#89
n-Butylbenzene
Concen: 21.232 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.0	81.0
134	25.7	13.0	39.0

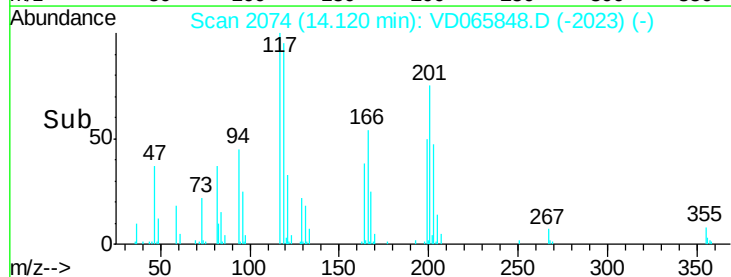
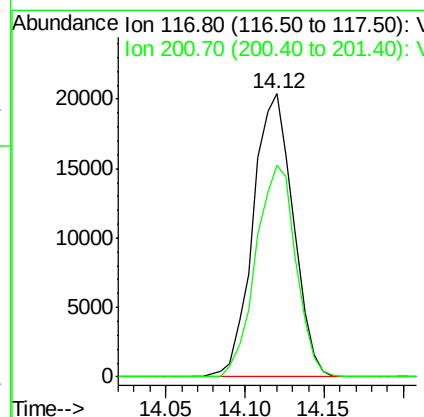
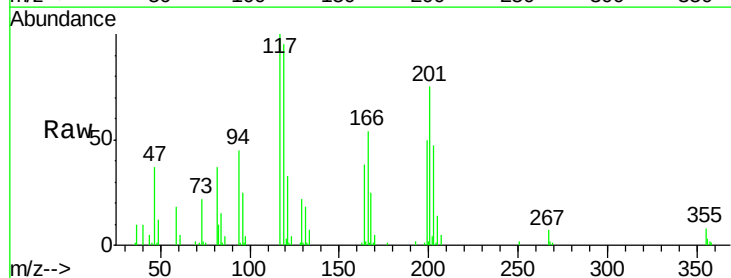
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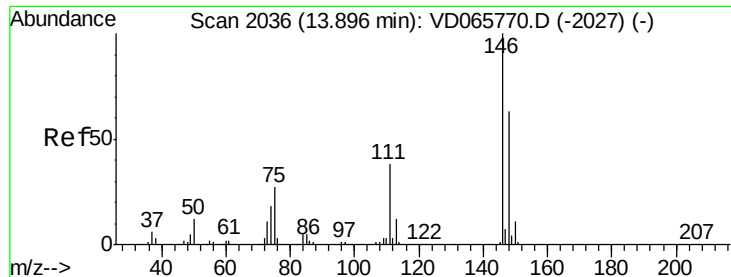
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#90
Hexachloroethane
Concen: 20.681 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.1	37.1	111.5





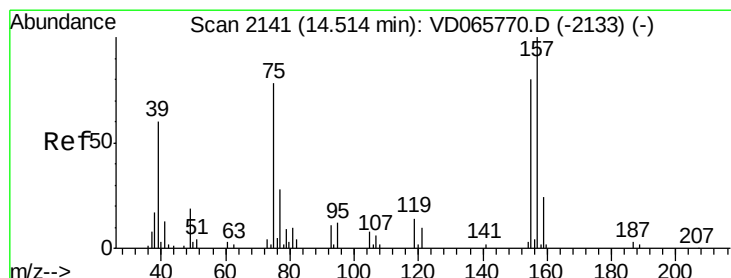
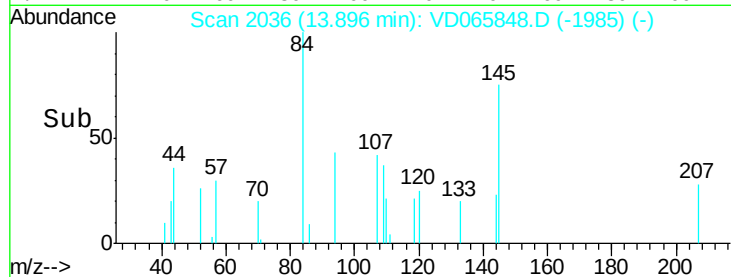
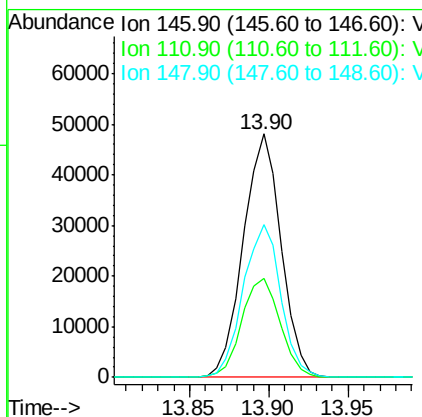
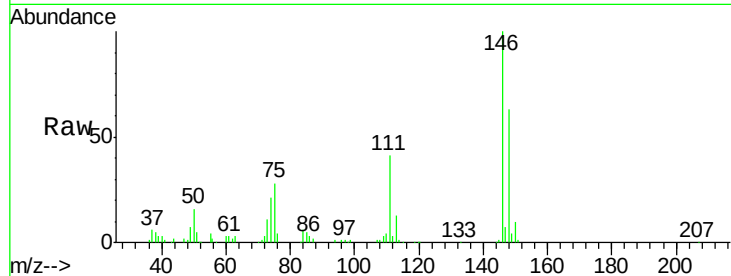
#91
 1,2-Dichlorobenzene
 Concen: 21.115 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD065848.D
 Acq: 22 Jun 2020 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.8	59.4
148	62.7	31.9	95.7

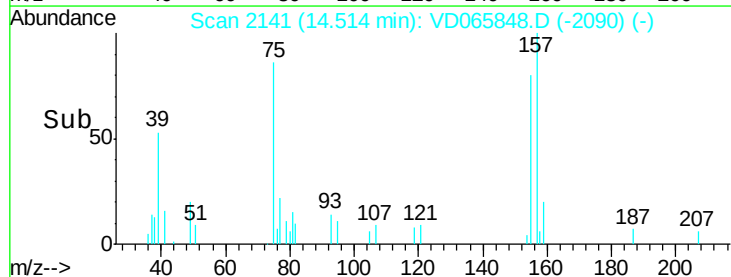
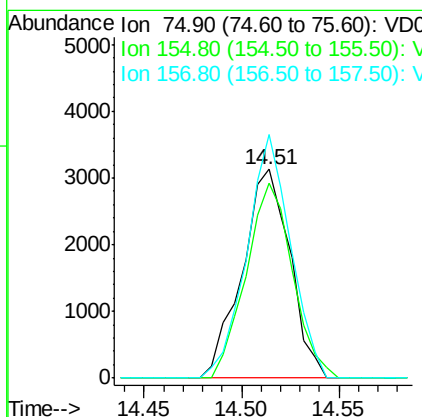
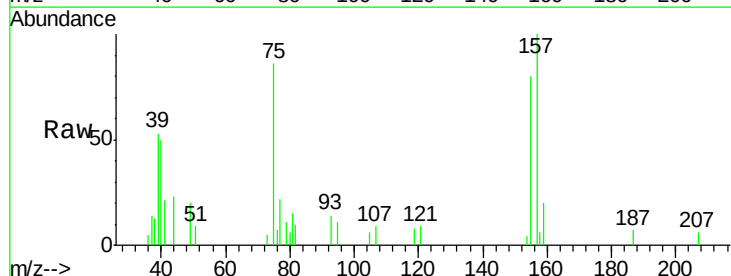
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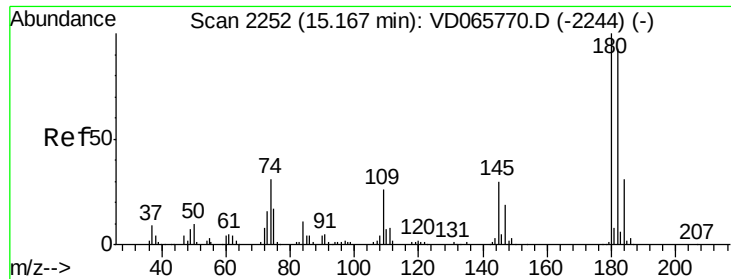
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.158 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD065848.D
 Acq: 22 Jun 2020 16:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.3	46.3	138.9
157	106.4	58.1	174.3





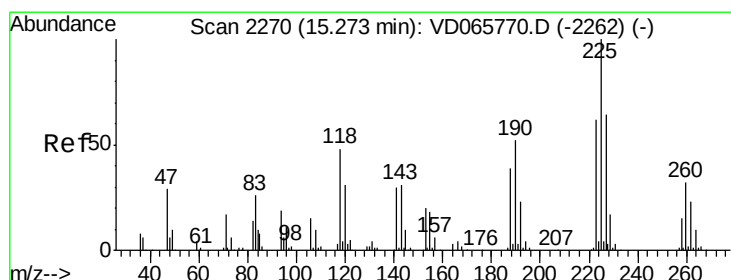
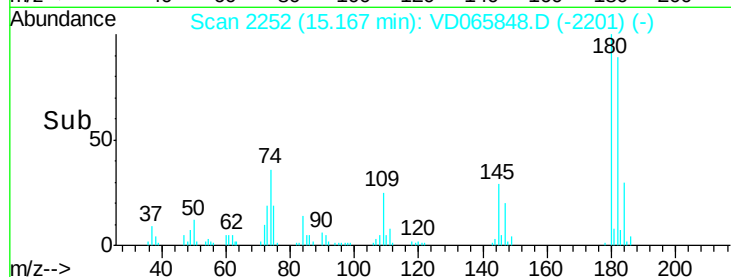
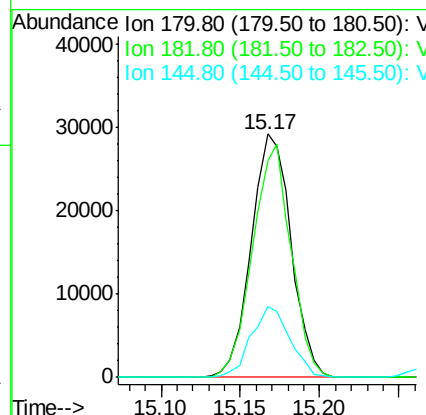
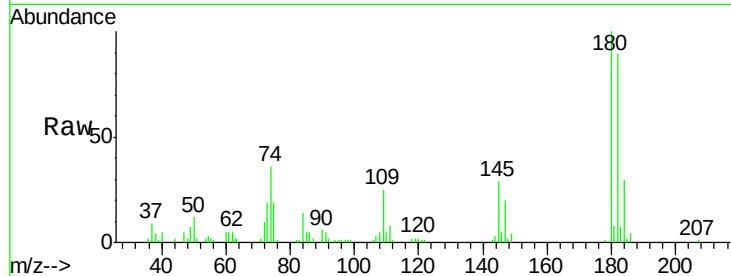
#93
 1,2,4-Trichlorobenzene
 Concen: 19.890 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD065848.D
 Acq: 22 Jun 2020 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	50992		
182	92.4	48.0	144.2	
145	28.3	14.9	44.9	

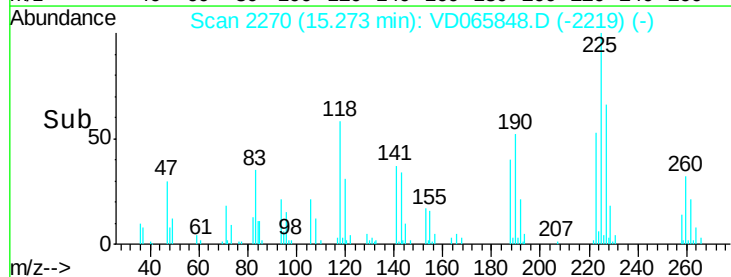
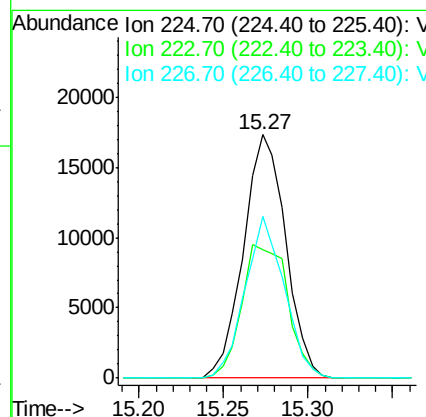
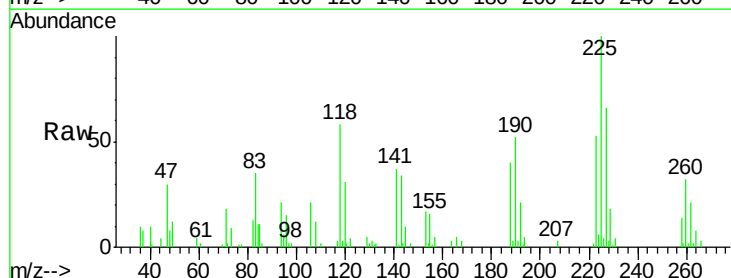
Manual Integrations
 APPROVED

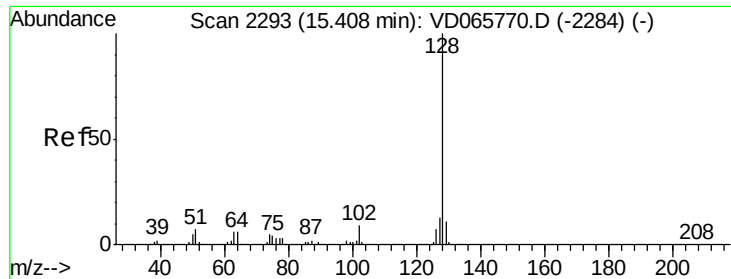
MMDadoda
 6/23/2020 11:02:19 AM



#94
 Hexachlorobutadiene
 Concen: 19.378 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD065848.D
 Acq: 22 Jun 2020 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	30032		
223	59.9	30.9	92.7	
227	61.9	31.9	95.7	





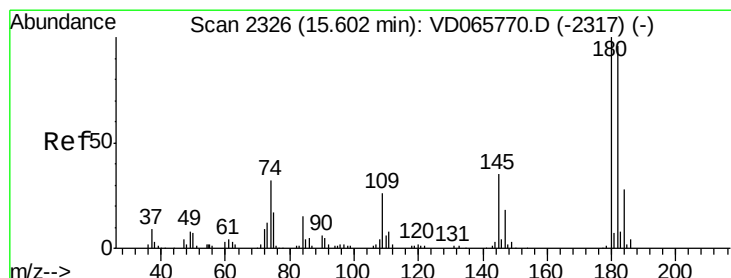
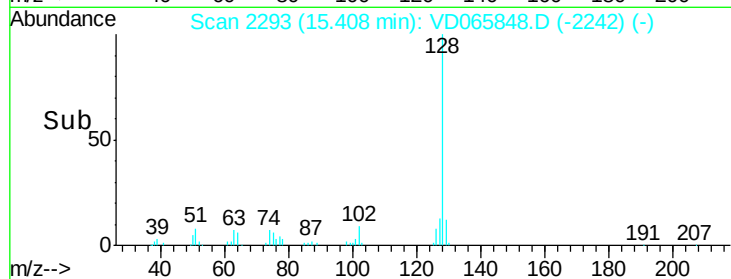
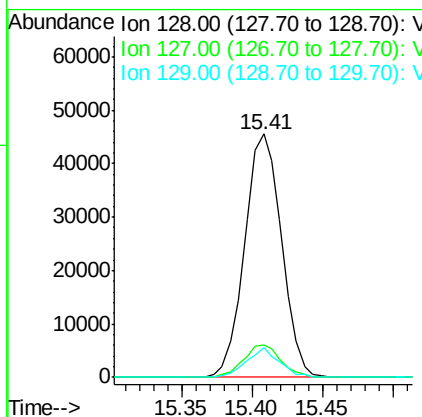
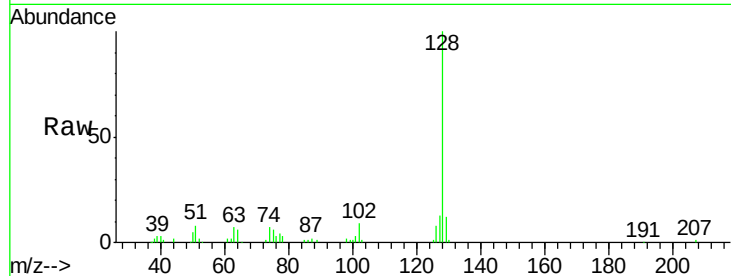
#95
Naphthalene
Concen: 19.266 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
6/23/2020 11:02:19 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.706 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD065848.D
Acq: 22 Jun 2020 16:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.0	141.2
145	32.2	16.2	48.6

