

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062220\
 Data File : VD065846.D
 Acq On : 22 Jun 2020 16:03
 Operator : VA/SY
 Sample : VD0622SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Manual Integrations
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 6/23/2020 11:02:21 AM

Quant Time: Jun 23 07:05:30 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	181493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	290059	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	265312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	131824	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	96555	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	
35) Dibromofluoromethane	7.91	113	96084	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
50) Toluene-d8	10.34	98	365604	53.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.02%	
62) 4-Bromofluorobenzene	12.64	95	122104	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	33184	25.230	ug/l	96
3) Chloromethane	2.21	50	56602	24.969	ug/l	98
4) Vinyl Chloride	2.35	62	64647	24.143	ug/l	96
5) Bromomethane	2.76	94	44982	24.021	ug/l	93
6) Chloroethane	2.92	64	44983	24.845	ug/l	98
7) Trichlorofluoromethane	3.27	101	69818	23.014	ug/l	99
8) Diethyl Ether	3.71	74	16736	20.983	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.09	101	41237	22.795	ug/l	97
10) Methyl Iodide	4.30	142	37837	21.479	ug/l	96
11) Tert butyl alcohol	5.21	59	15299	135.963	ug/l	99
12) 1,1-Dichloroethene	4.07	96	37616	22.815	ug/l	92
13) Acrolein	3.93	56	7546	74.912	ug/l	94
14) Allyl chloride	4.71	41	60880	22.341	ug/l	97
15) Acrylonitrile	5.43	53	38462	106.170	ug/l	99
16) Acetone	4.16	43	38953	115.146	ug/l	99
17) Carbon Disulfide	4.41	76	122678	22.169	ug/l	99
18) Methyl Acetate	4.71	43	18460	22.171	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	81525	21.830	ug/l	99
20) Methylene Chloride	4.96	84	53213	27.628	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	43169	22.357	ug/l	97
22) Diisopropyl ether	6.36	45	123426	22.416	ug/l	96
23) Vinyl Acetate	6.30	43	337209	108.454	ug/l	99
24) 1,1-Dichloroethane	6.27	63	75149	22.400	ug/l	99
25) 2-Butanone	7.21	43	50354	107.778	ug/l	98
26) 2,2-Dichloropropane	7.21	77	66901	22.490	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	43906	21.138	ug/l	91
28) Bromochloromethane	7.54	49	28019	21.624	ug/l	99
29) Tetrahydrofuran	7.56	42	30695	103.952	ug/l	98
30) Chloroform	7.71	83	78394	22.544	ug/l	90
31) Cyclohexane	7.98	56	70789	22.010	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	73065	22.851	ug/l	99
36) 1,1-Dichloropropene	8.11	75	61457	22.118	ug/l	99
37) Ethyl Acetate	7.29	43	22578	20.630	ug/l #	96
38) Carbon Tetrachloride	8.10	117	64910	22.198	ug/l	95

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 Sample : VD0622SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VD0622SBS01

Manual Integrations
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 6/23/2020 11:02:21 AM

Quant Time: Jun 23 07:05:30 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	73127	22.229	ug/l	99
40) Benzene	8.35	78	168529	22.186	ug/l	100
41) Methacrylonitrile	7.53	41	12654m	19.418	ug/l	
42) 1,2-Dichloroethane	8.42	62	48727	21.260	ug/l	99
43) Isopropyl Acetate	8.45	43	45702	21.000	ug/l	98
44) Trichloroethene	9.11	130	46588	22.039	ug/l	96
45) 1,2-Dichloropropane	9.38	63	40115	21.018	ug/l	94
46) Dibromomethane	9.47	93	21771	21.032	ug/l	98
47) Bromodichloromethane	9.66	83	58739	21.176	ug/l	95
48) Methyl methacrylate	9.46	41	23052	21.883	ug/l	98
49) 1,4-Dioxane	9.46	88	4505	408.880	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	109979	103.129	ug/l	97
52) Toluene	10.40	92	109079	22.100	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	53408	21.262	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	65306	22.014	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	29731	21.496	ug/l	94
56) Ethyl methacrylate	10.66	69	33428	20.548	ug/l	95
57) 1,3-Dichloropropane	10.95	76	50274	20.980	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	80321	106.196	ug/l	99
59) 2-Hexanone	10.98	43	74846	104.102	ug/l	98
60) Dibromochloromethane	11.14	129	38564	20.640	ug/l	95
61) 1,2-Dibromoethane	11.25	107	27545	20.265	ug/l	95
64) Tetrachloroethene	10.88	164	37985	21.173	ug/l	92
65) Chlorobenzene	11.67	112	113512	21.916	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	40718	21.090	ug/l	97
67) Ethyl Benzene	11.75	91	204880	22.142	ug/l	98
68) m/p-Xylenes	11.86	106	157548	44.205	ug/l	100
69) o-Xylene	12.18	106	70772	22.024	ug/l	99
70) Styrene	12.20	104	120293	21.624	ug/l	98
71) Bromoform	12.37	173	21584	20.301	ug/l #	96
73) Isopropylbenzene	12.48	105	196787	22.265	ug/l	99
74) N-amyl acetate	12.29	43	40863	20.781	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	32392	21.701	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	18217m	17.769	ug/l	
77) Bromobenzene	12.76	156	44629	21.342	ug/l	96
78) n-propylbenzene	12.83	91	238988	22.464	ug/l	100
79) 2-Chlorotoluene	12.91	91	132301	22.669	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	167433	22.765	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	9752	20.552	ug/l	98
82) 4-Chlorotoluene	13.01	91	141464	22.582	ug/l	97
83) tert-Butylbenzene	13.23	119	142432	22.318	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	165091	22.426	ug/l	99
85) sec-Butylbenzene	13.41	105	201403	22.677	ug/l	100
86) p-Isopropyltoluene	13.52	119	183471	22.538	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	90536	21.958	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	90290	22.014	ug/l	98
89) n-Butylbenzene	13.85	91	173843	22.392	ug/l	99
90) Hexachloroethane	14.12	117	36823	22.599	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	76680	21.609	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4865	19.584	ug/l	94

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Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

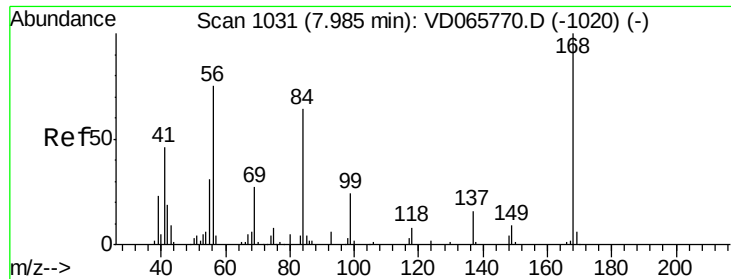
Manual Integrations
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6/23/2020 11:02:21 AM

Quant Time: Jun 23 07:05:30 2020
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.17	180	51264	21.247	ug/l	97
94) Hexachlorobutadiene	15.27	225	28948	19.847	ug/l	97
95) Naphthalene	15.41	128	80910	19.798	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	41625	20.031	ug/l	98

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



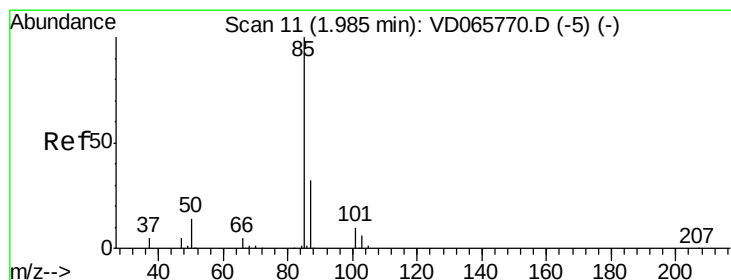
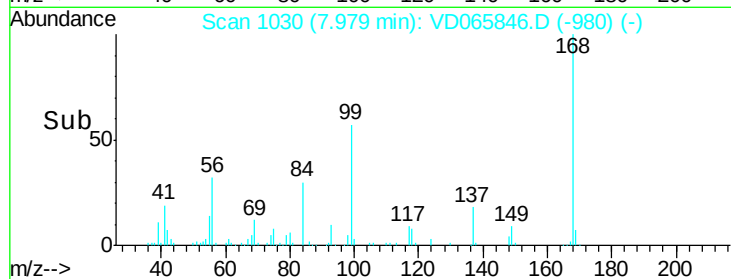
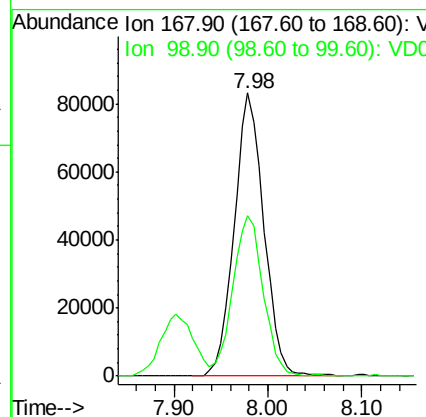
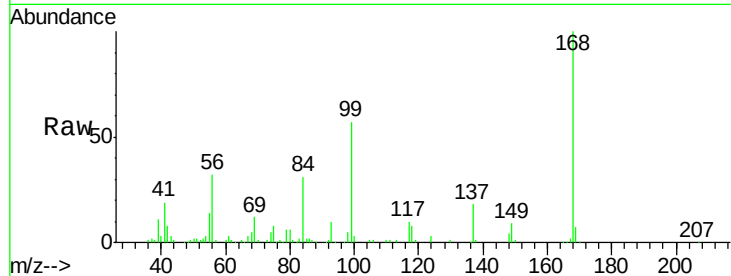
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	56.6	45.3	67.9

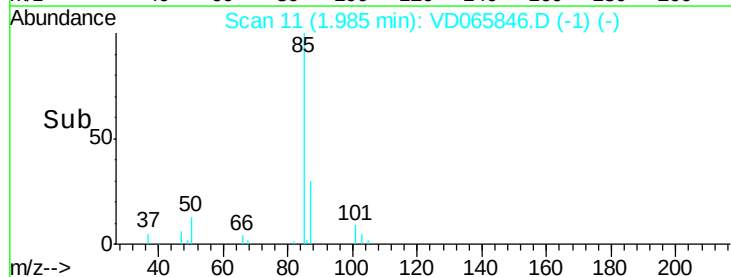
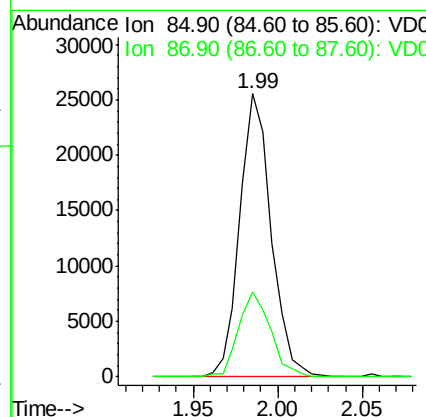
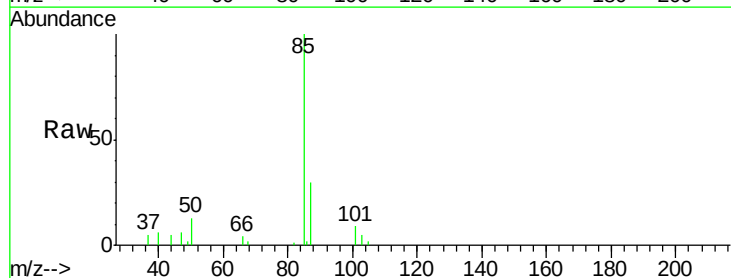
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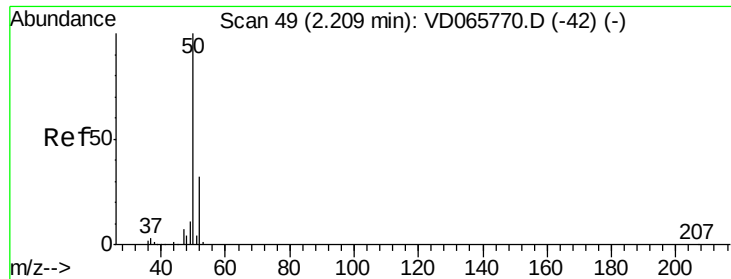
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#2
Dichlorodifluoromethane
Concen: 25.230 ug/l
RT: 1.99 min Scan# 11
Delta R.T. 0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.0	16.2	48.5





#3

Chloromethane

Concen: 24.969 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 50 Resp: 56602

Ion Ratio Lower Upper

50 100

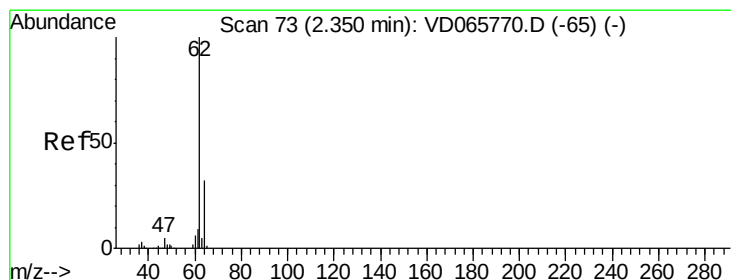
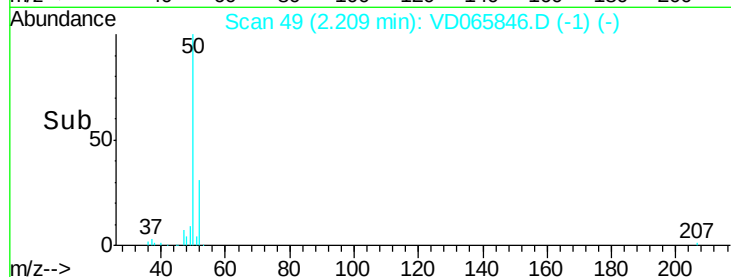
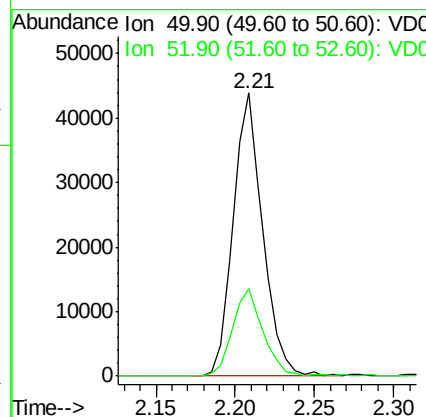
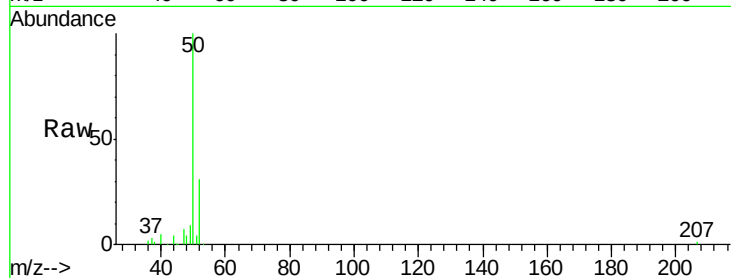
52 30.9 25.6 38.4

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#4

Vinyl Chloride

Concen: 24.143 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065846.D

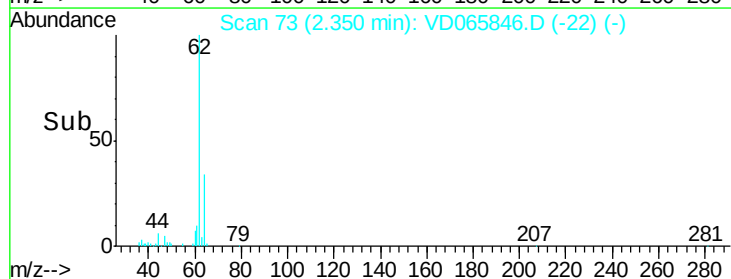
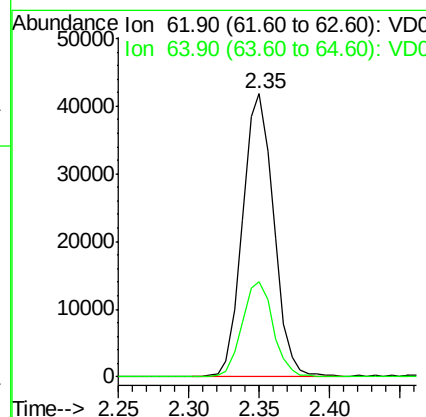
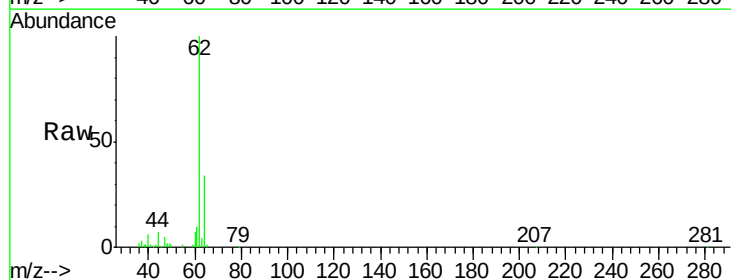
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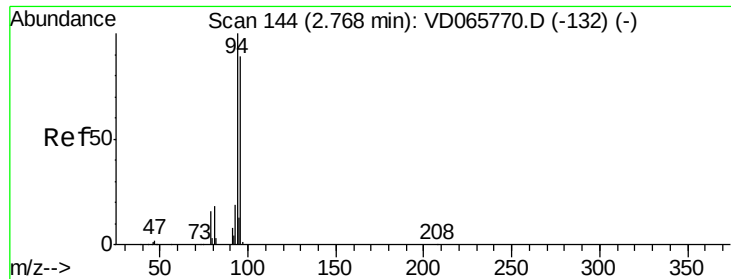
Tgt Ion: 62 Resp: 64647

Ion Ratio Lower Upper

62 100

64 33.7 25.3 37.9





#5

Bromomethane

Concen: 24.021 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 94 Resp: 44982

Ion Ratio Lower Upper

94 100

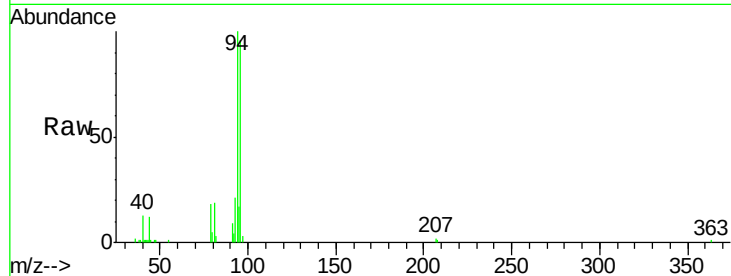
96 96.2 71.4 107.0

Manual Integrations

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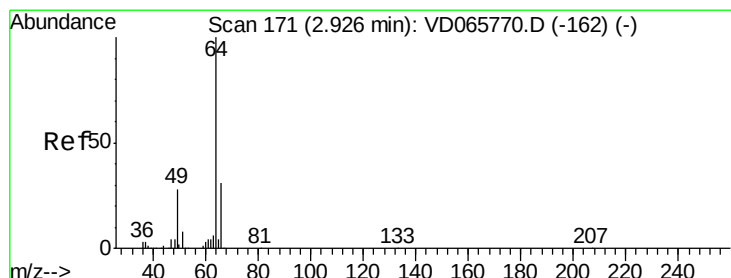
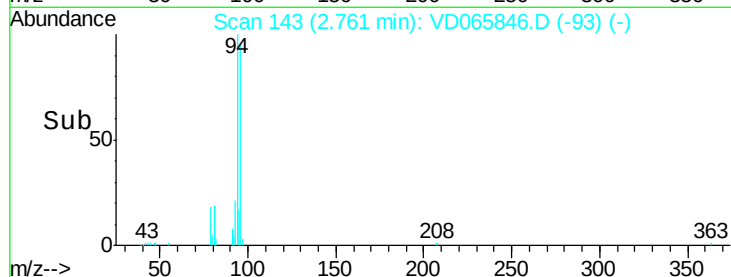
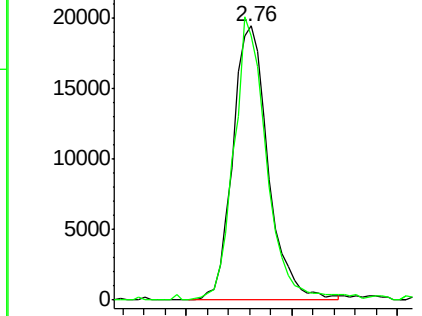
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 24.845 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065846.D

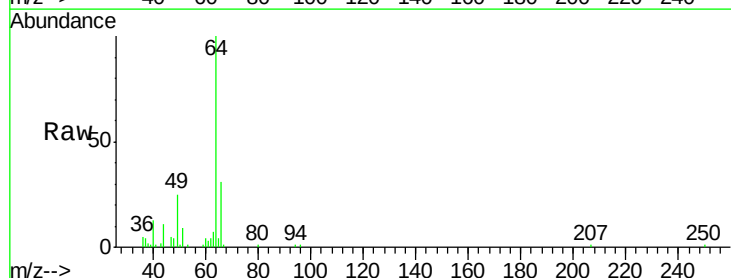
Acq: 22 Jun 2020 16:03

Tgt Ion: 64 Resp: 44983

Ion Ratio Lower Upper

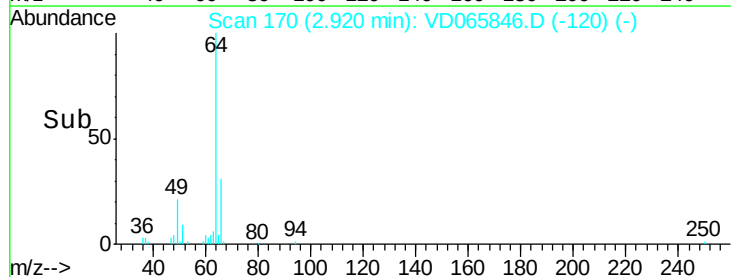
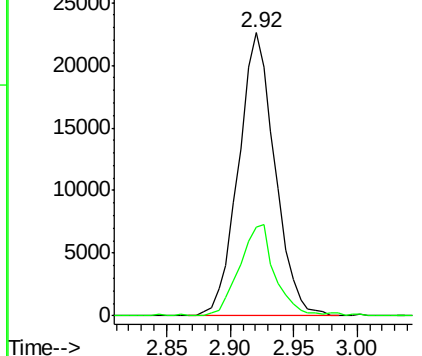
64 100

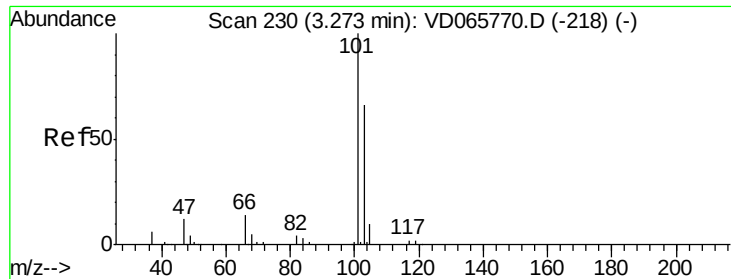
66 31.5 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

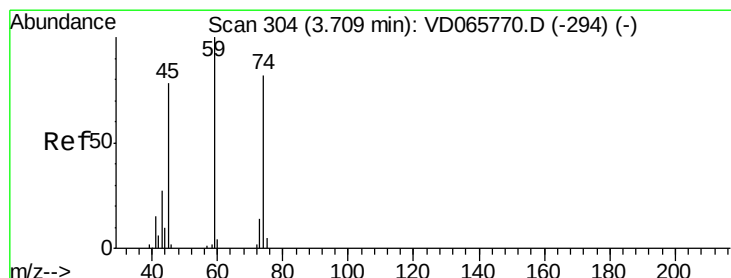
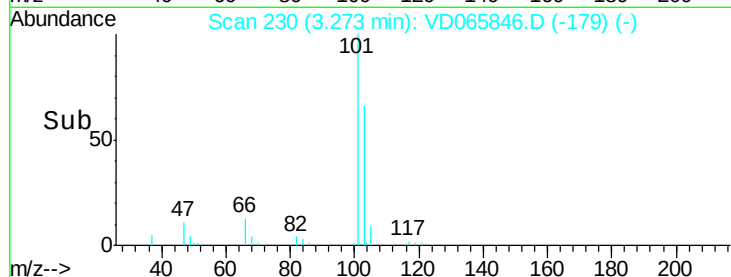
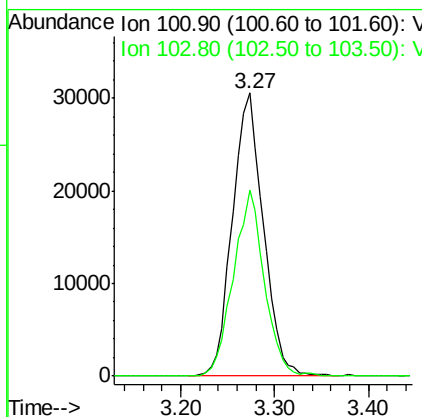
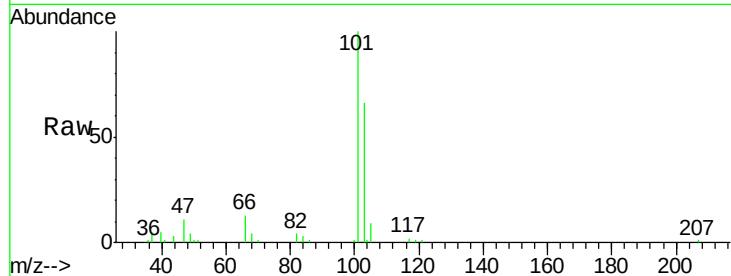
Trichlorofluoromethane
 Concen: 23.014 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	53.1	79.7

Manual Integrations
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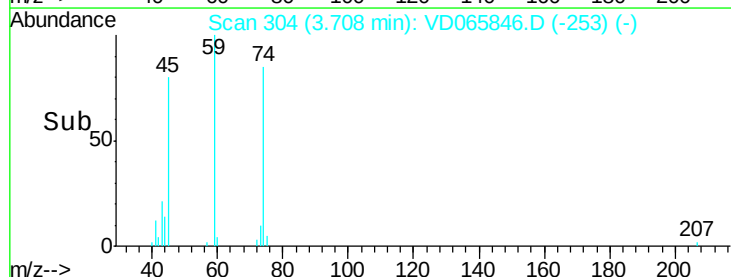
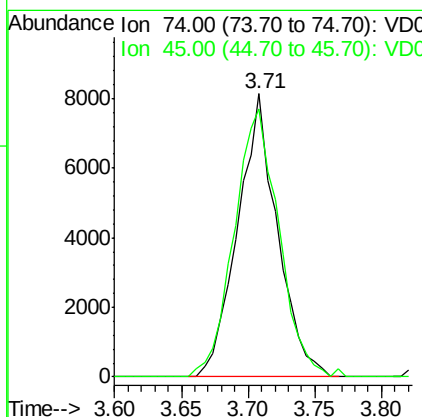
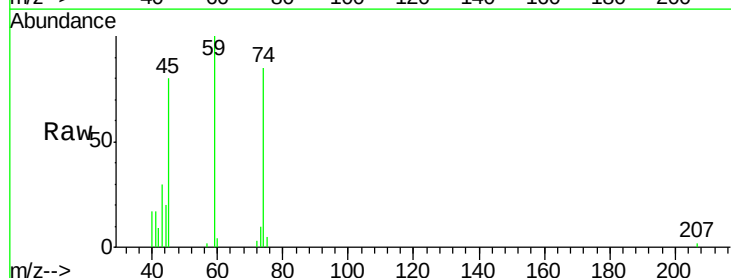
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 6/23/2020 11:02:21 AM

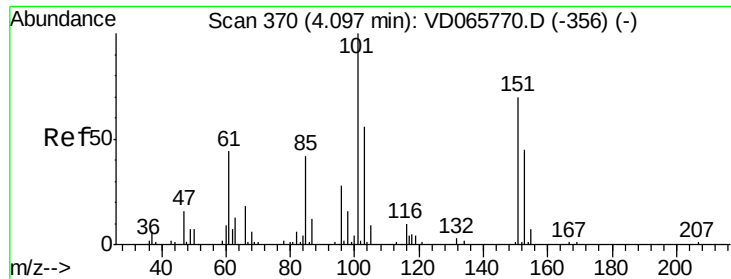


#8

Diethyl Ether
 Concen: 20.983 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.5	47.9	143.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.795 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

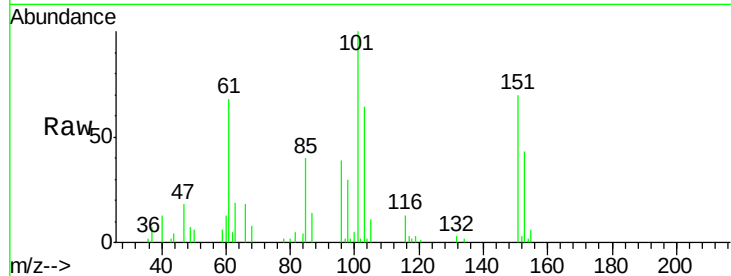
ClientSampleId :

VD0622SBSD01

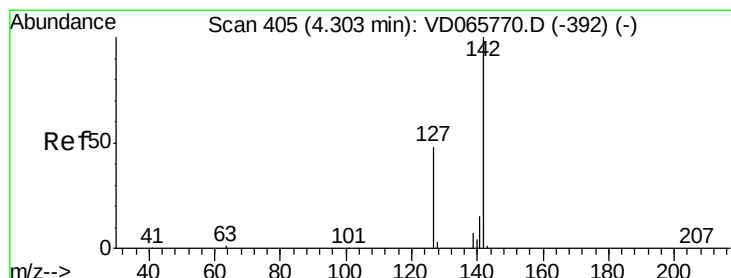
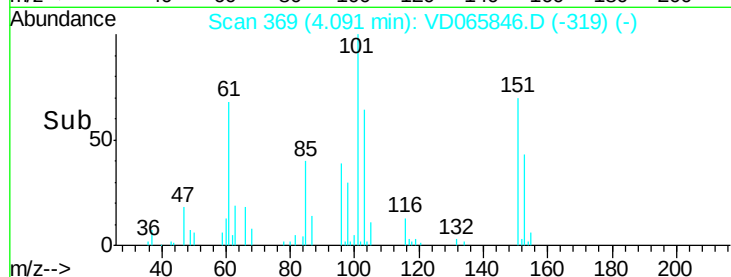
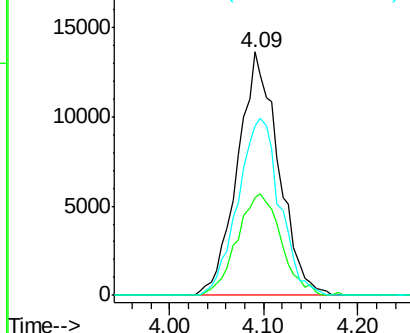
Tot Ion:	101	Resp:	41237
Ion Ratio	Lower	Upper	
101	100		
85	44.4	36.5	54.7
151	74.3	61.8	92.6

Manual Integrations
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6/23/2020 11:02:21 AM



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



#10

Methyl Iodide

Concen: 21.479 ug/l

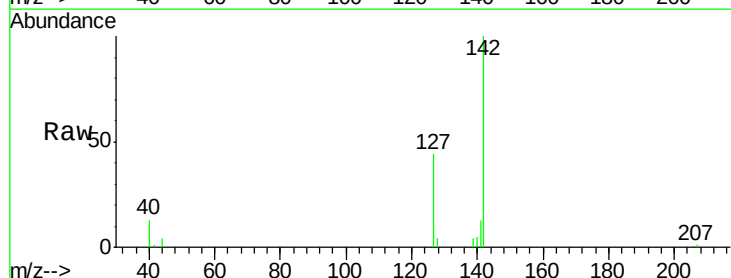
RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

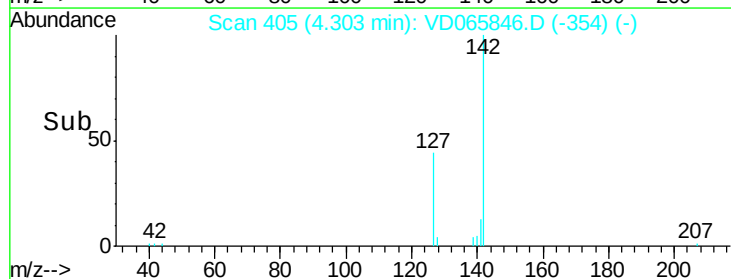
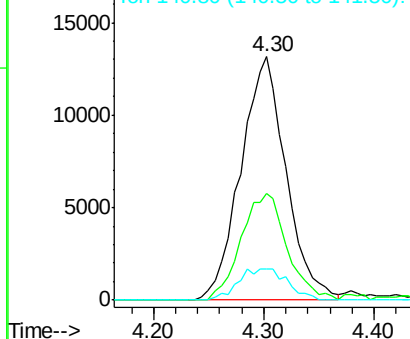
Lab File: VD065846.D

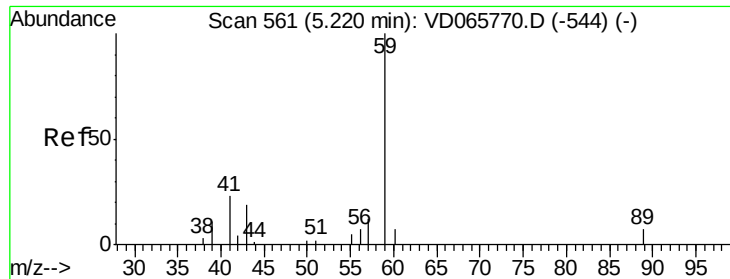
Acq: 22 Jun 2020 16:03

Tgt Ion:	142	Resp:	37837
Ion Ratio	Lower	Upper	
142	100		
127	44.2	37.6	56.4
141	14.0	12.1	18.1



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





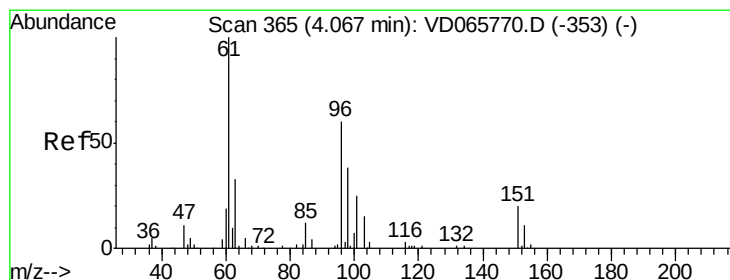
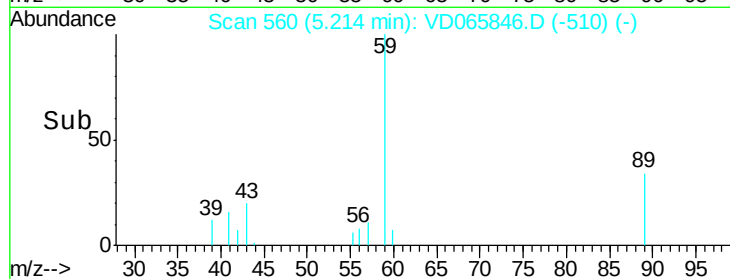
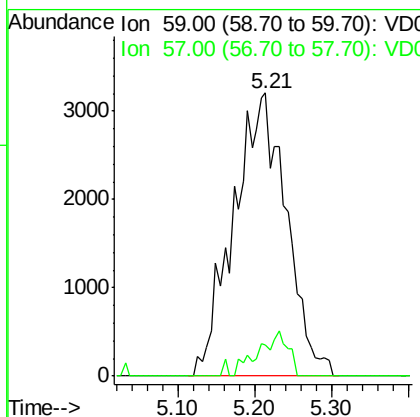
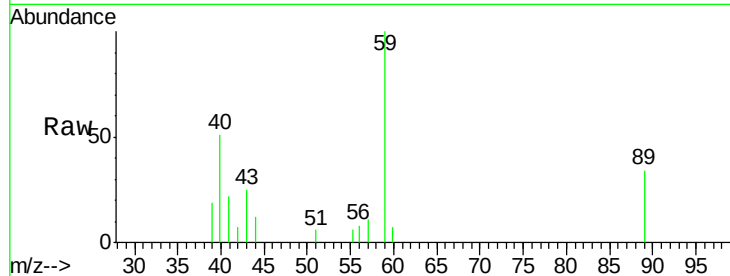
#11
Tert butyl alcohol
Concen: 135.963 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.9	7.5	11.3

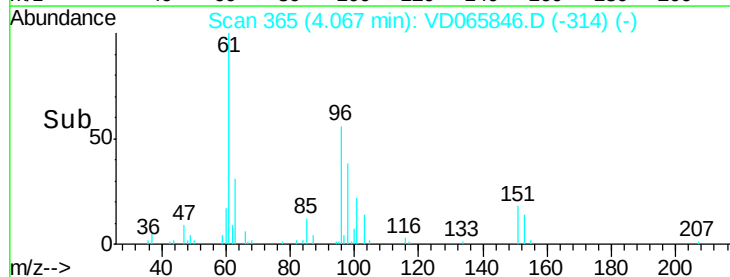
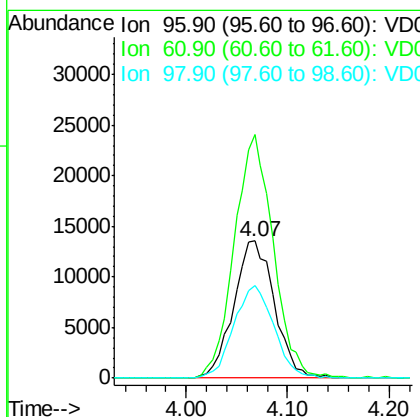
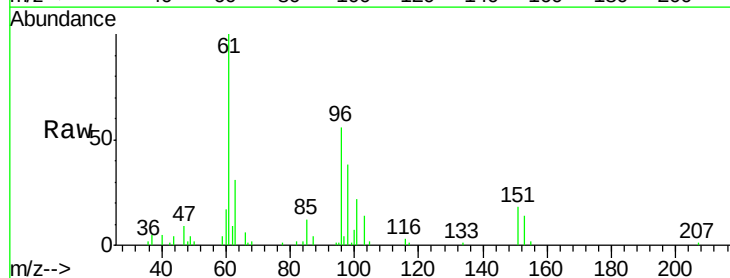
Manual Integrations
APPROVED

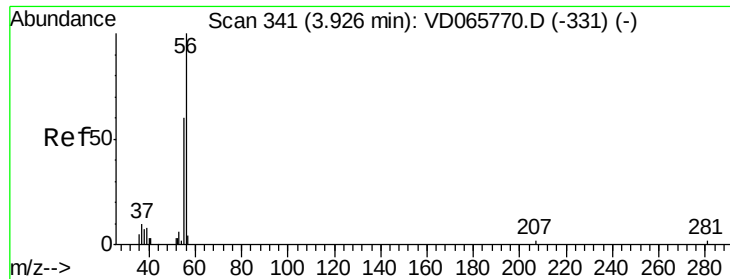
MMDadoda
6/23/2020 11:02:21 AM



#12
1,1-Dichloroethene
Concen: 22.815 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.0	132.3	198.5
98	67.7	50.7	76.1





#13

Acrolein

Concen: 74.912 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 56 Resp: 7546

Ion Ratio Lower Upper

56 100

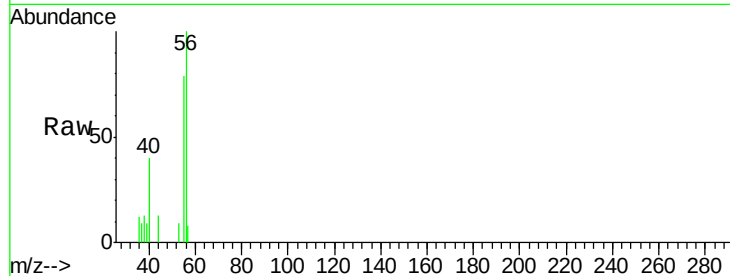
55 73.0 54.8 82.2

Manual Integrations

APPROVED

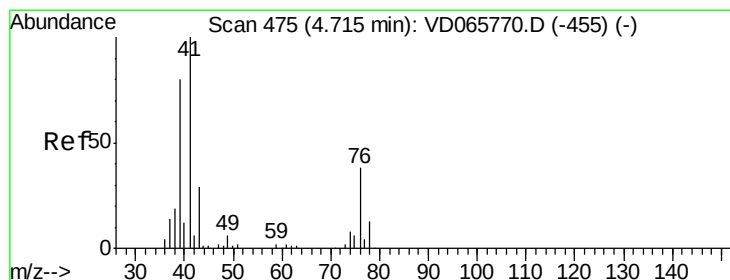
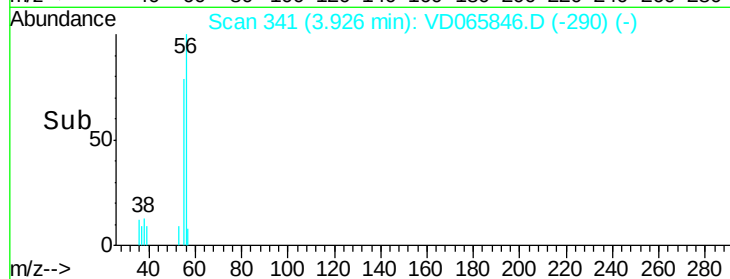
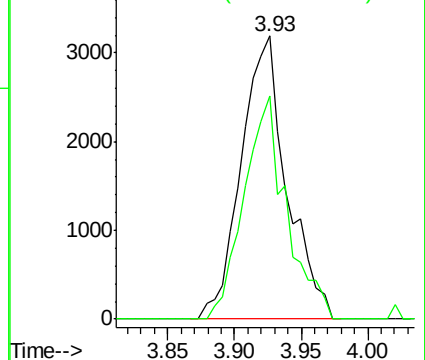
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.341 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

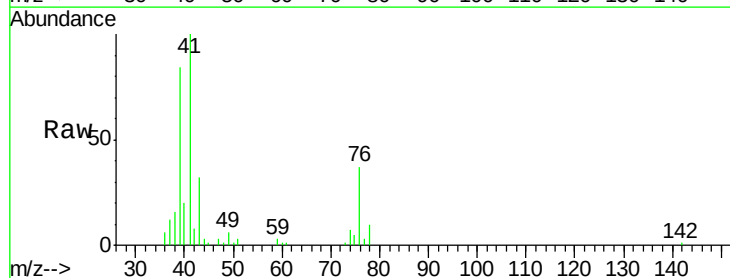
Tgt Ion: 41 Resp: 60880

Ion Ratio Lower Upper

41 100

39 79.3 60.9 91.3

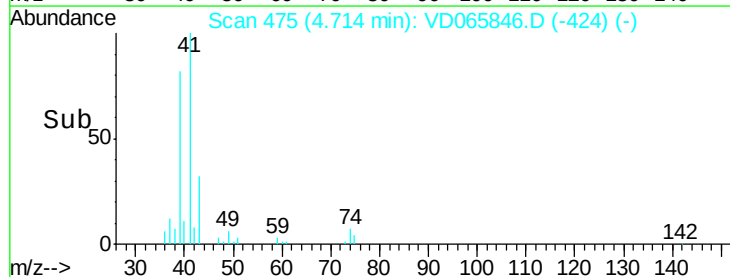
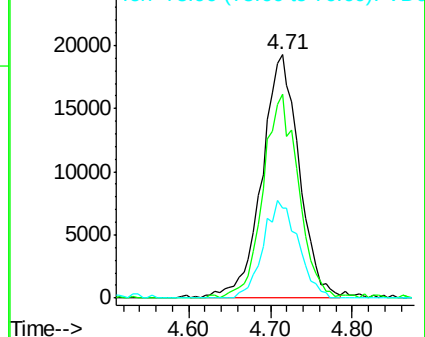
76 37.5 28.9 43.3

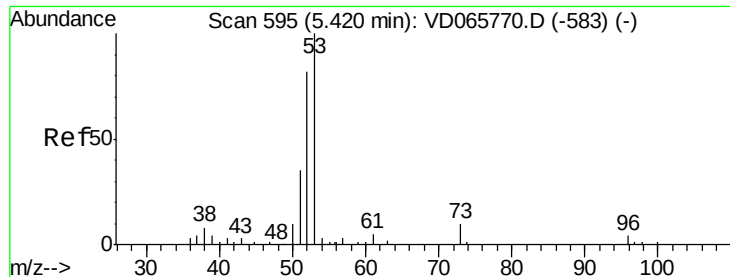


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





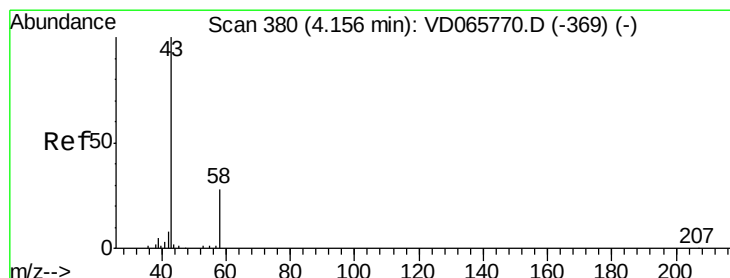
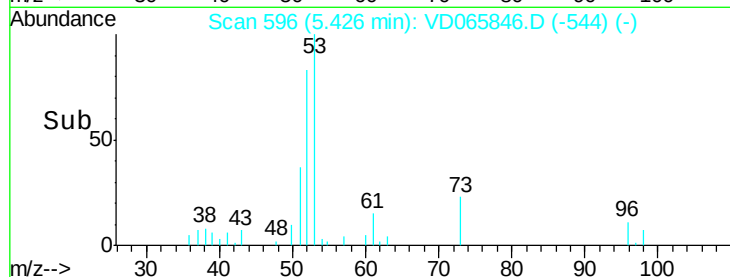
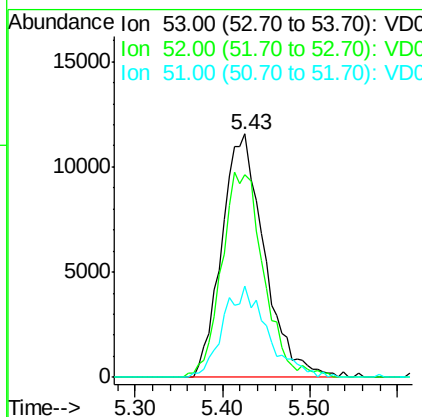
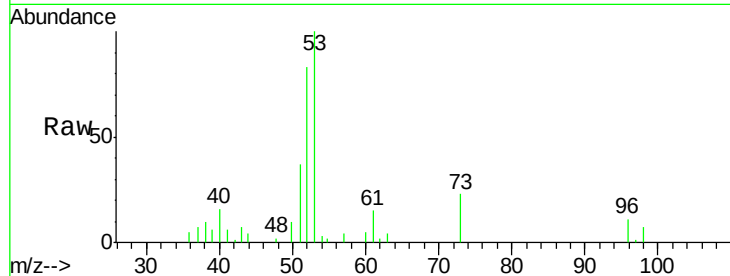
#15
 Acrylonitrile
 Concen: 106.170 ug/l
 RT: 5.43 min Scan# 596
 Delta R.T. 0.01 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
53	100				
52	81.2	66.2	99.2		
51	38.7	30.7	46.1		

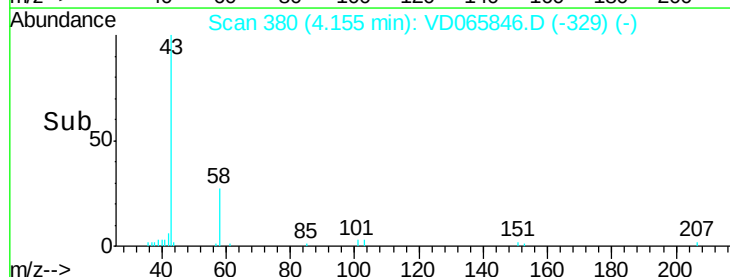
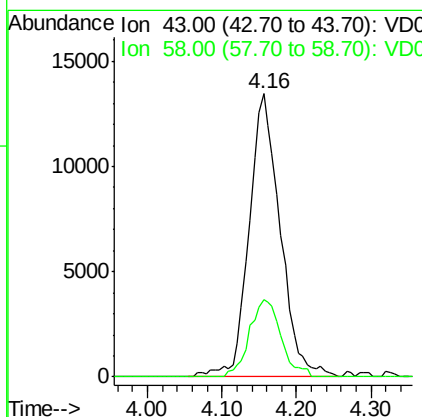
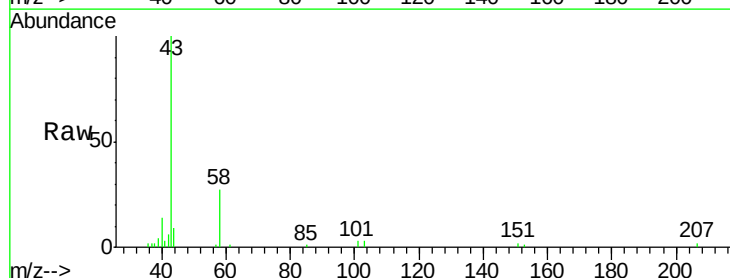
Manual Integrations
 APPROVED

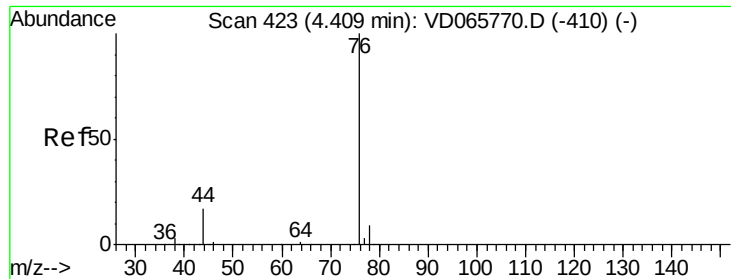
MMDadoda
 6/23/2020 11:02:21 AM



#16
 Acetone
 Concen: 115.146 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
58	27.3	22.3	33.5		





#17

Carbon Disulfide

Concen: 22.169 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBSD01

Tot Ion: 76 Resp: 122678

Ion Ratio Lower Upper

76 100

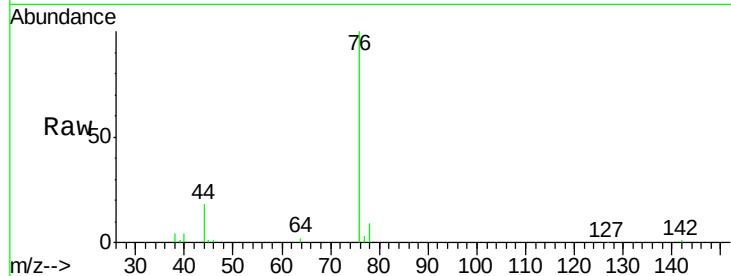
78 8.6 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

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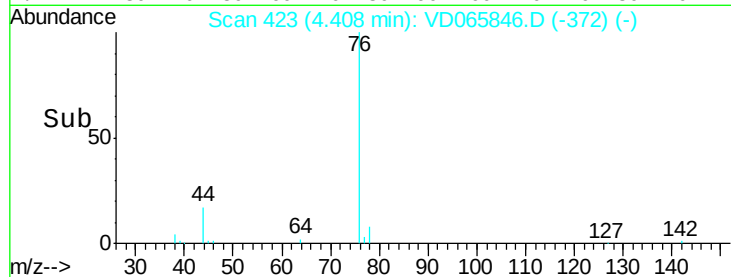
4.41

4.41

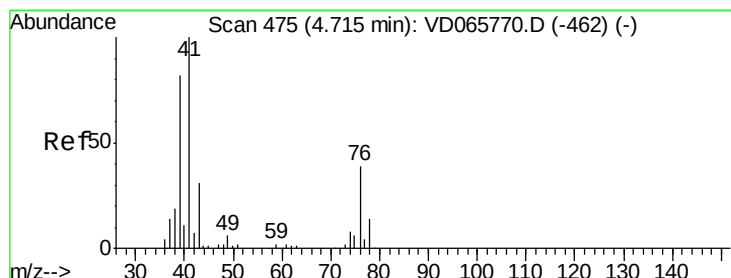
4.41

4.41

4.41



Time-->



#18

Methyl Acetate

Concen: 22.171 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065846.D

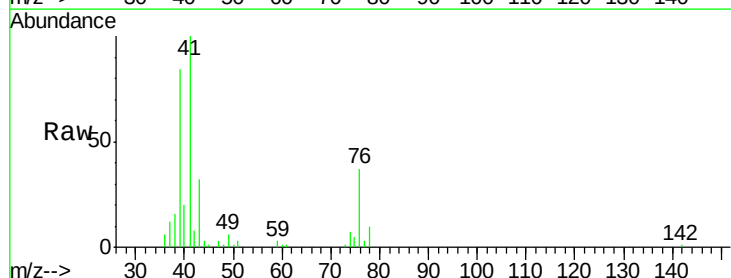
Acq: 22 Jun 2020 16:03

Tgt Ion: 43 Resp: 18460

Ion Ratio Lower Upper

43 100

74 21.3 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

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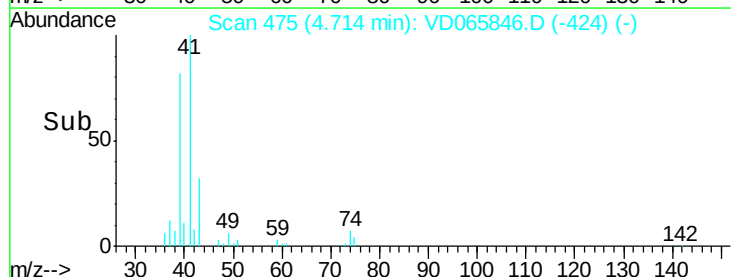
4.71

4.71

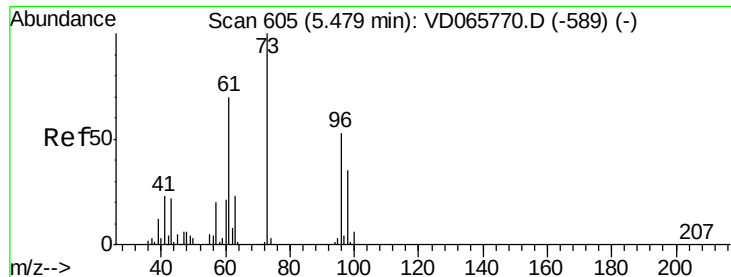
4.71

4.71

4.71



Time-->



#19

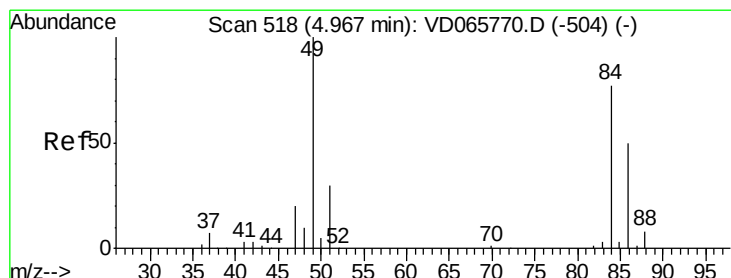
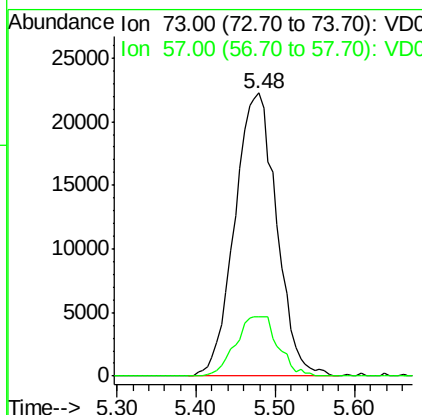
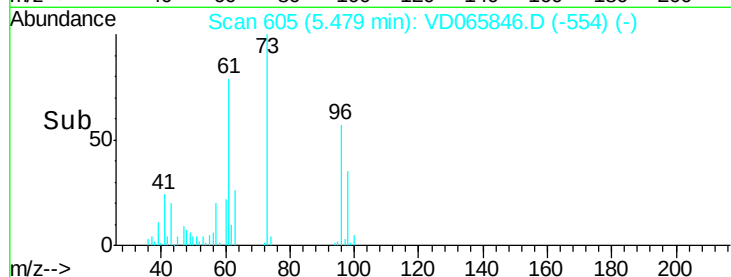
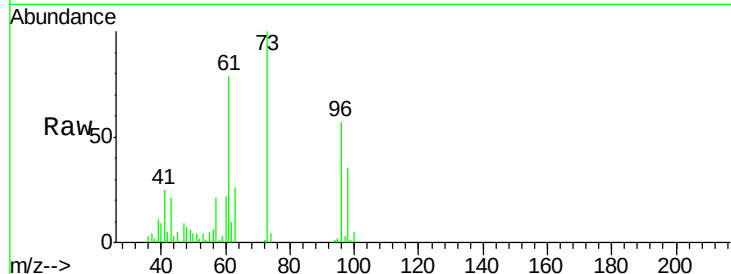
Methyl tert-butyl Ether
 Concen: 21.830 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0622SBS01

Tot Ion: 73 Resp: 81525
 Ion Ratio Lower Upper
 73 100
 57 20.8 16.2 24.2

Manual Integrations
 APPROVED

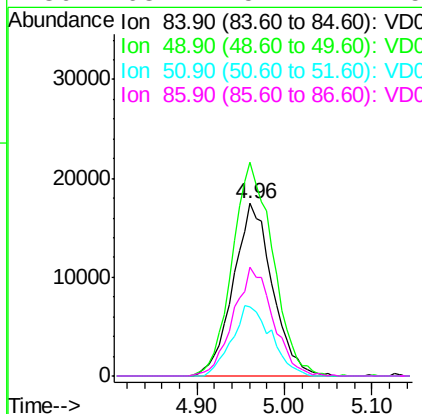
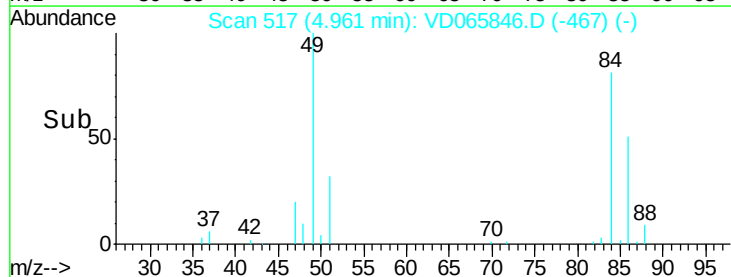
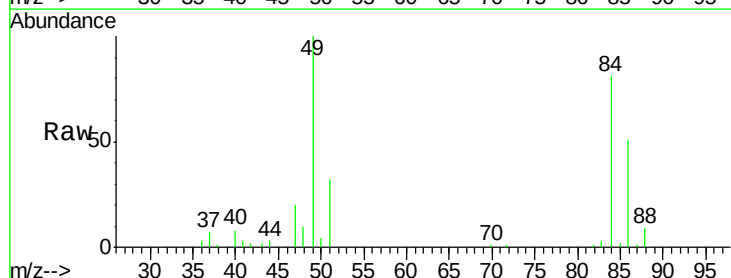
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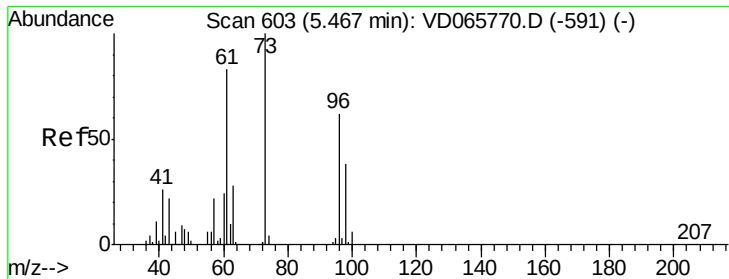


#20

Methylene Chloride
 Concen: 27.628 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Tgt Ion: 84 Resp: 53213
 Ion Ratio Lower Upper
 84 100
 49 123.7 103.4 155.0
 51 40.0 31.4 47.2
 86 63.2 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 22.357 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

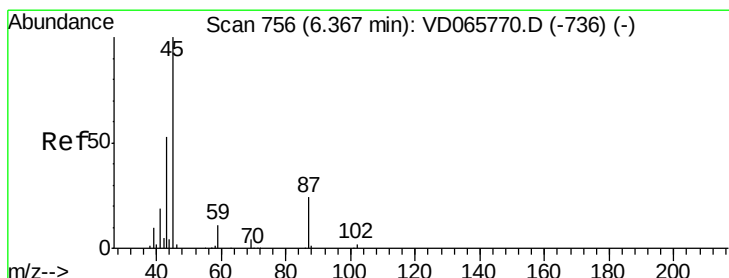
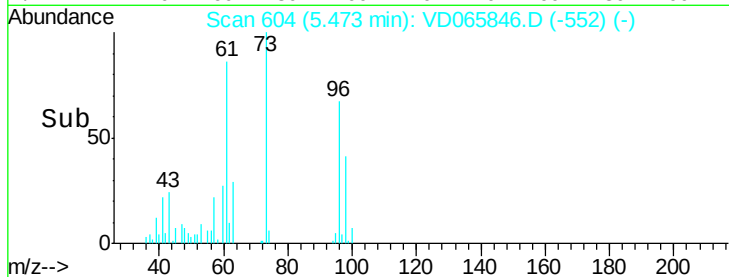
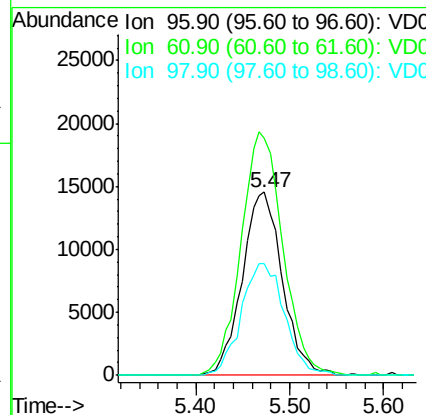
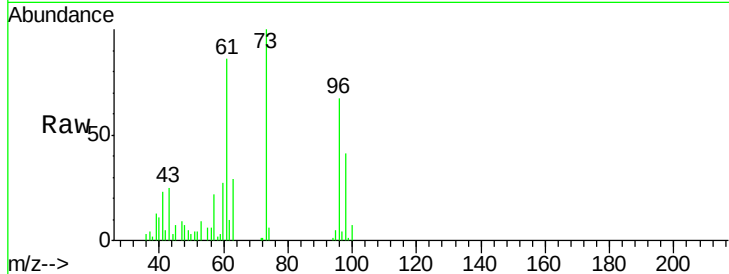
ClientSampleId :

VD0622SBSD01

Tot Ion:	96	Resp:	43169
Ion	Ratio	Lower	Upper
96	100		
61	129.3	107.7	161.5
98	61.1	49.3	73.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.416 ug/l

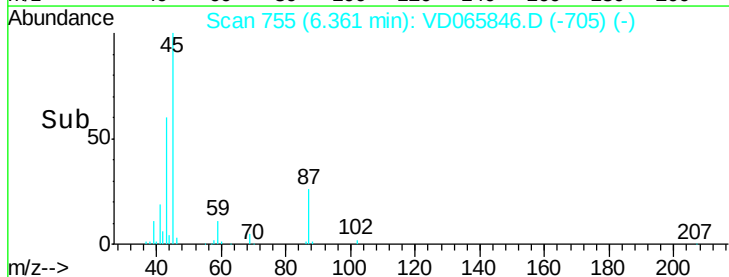
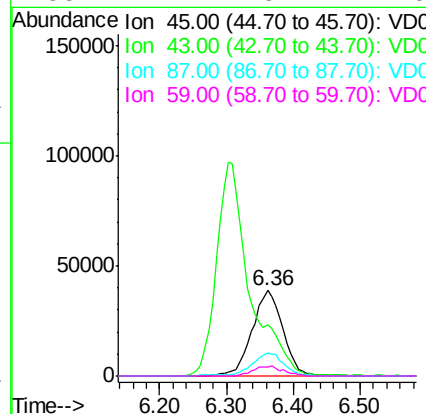
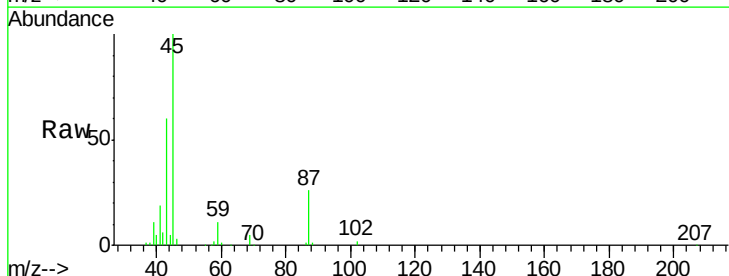
RT: 6.36 min Scan# 755

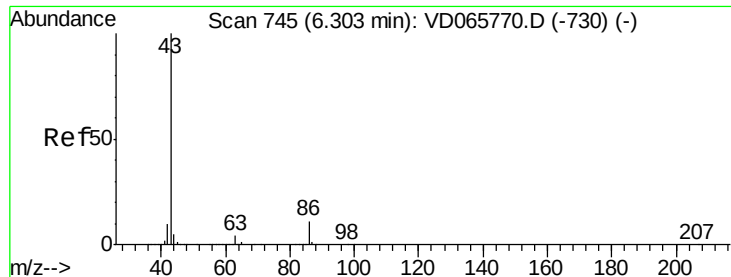
Delta R.T. -0.01 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Tgt Ion:	45	Resp:	123426
Ion	Ratio	Lower	Upper
45	100		
43	58.7	43.4	65.0
87	26.3	20.2	30.4
59	11.2	9.4	14.0





#23

Vinyl Acetate

Concen: 108.454 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 43 Resp: 337209

Ion Ratio Lower Upper

43 100

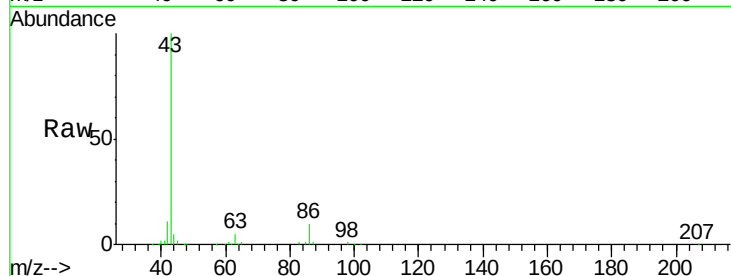
86 10.4 8.5 12.7

Manual Integrations

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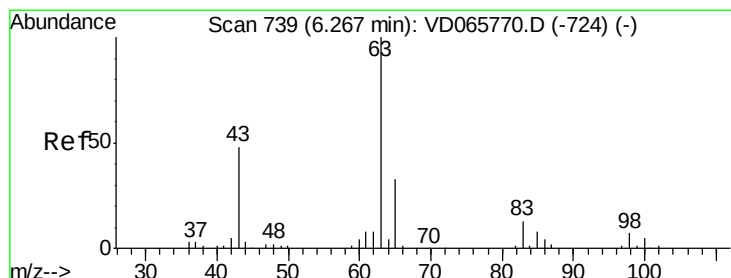
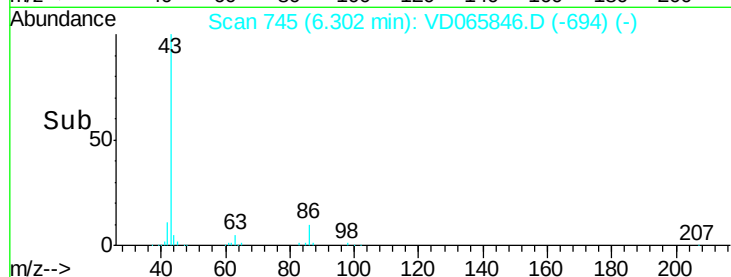
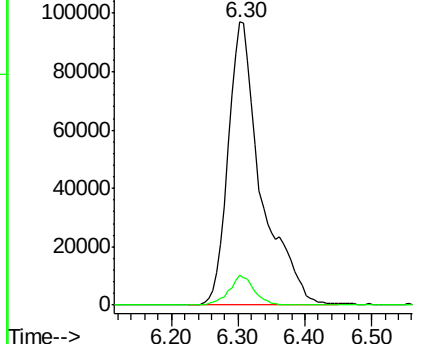
MMDadoda

6/23/2020 11:02:21 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.400 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

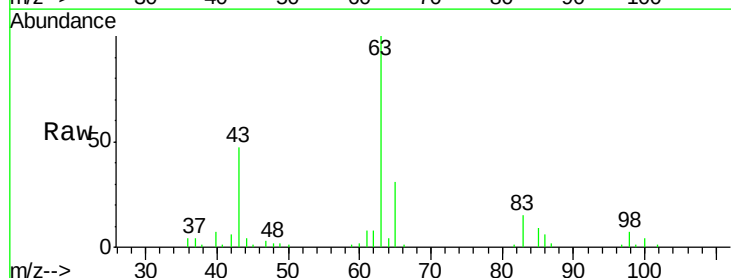
Tgt Ion: 63 Resp: 75149

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

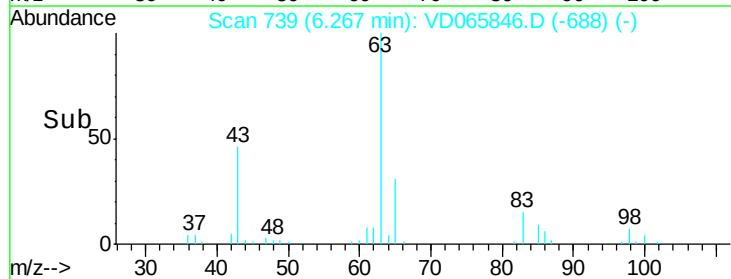
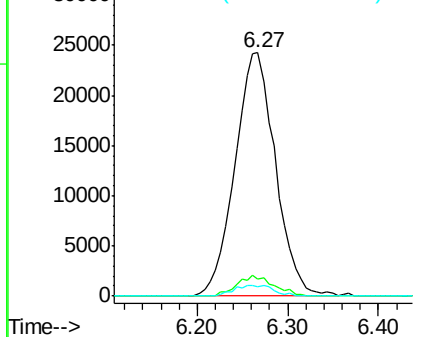
100 3.8 2.3 6.9

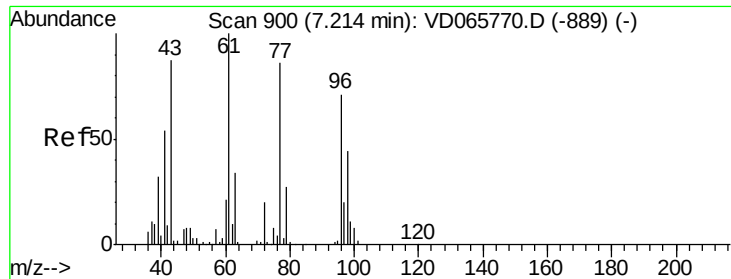


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 107.778 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBSD01

Tot Ion: 43 Resp: 50354

Ion Ratio Lower Upper

43 100

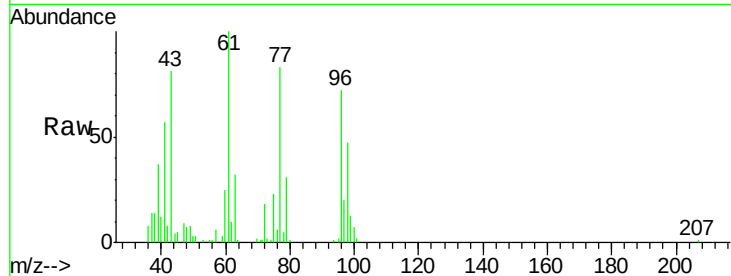
72 22.3 18.5 27.7

Manual Integrations

APPROVED

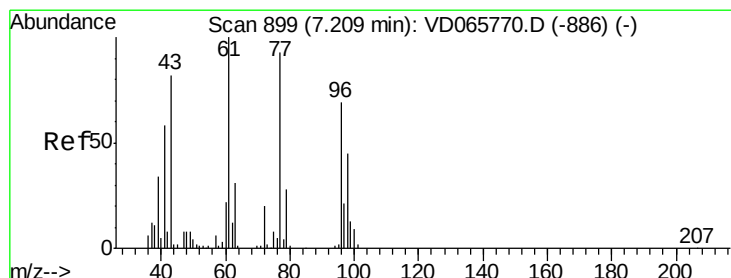
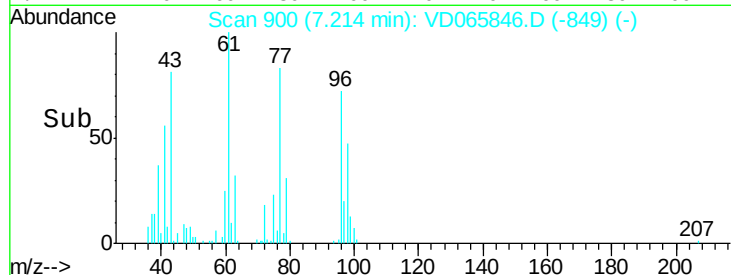
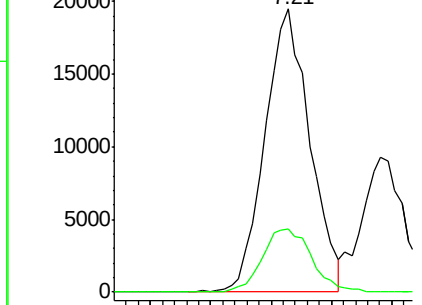
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.490 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065846.D

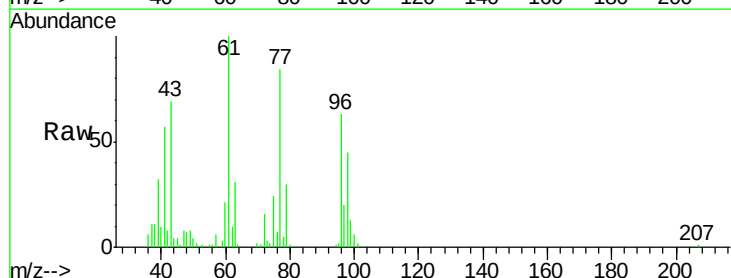
Acq: 22 Jun 2020 16:03

Tgt Ion: 77 Resp: 66901

Ion Ratio Lower Upper

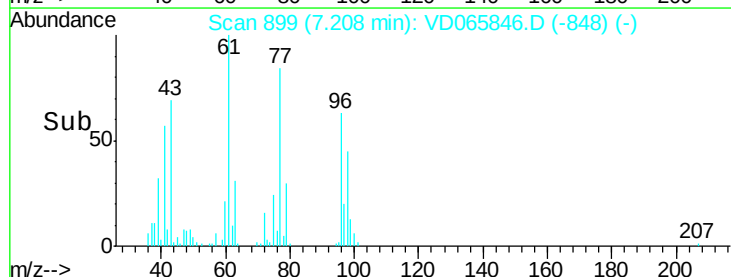
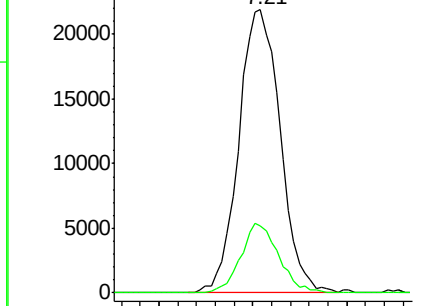
77 100

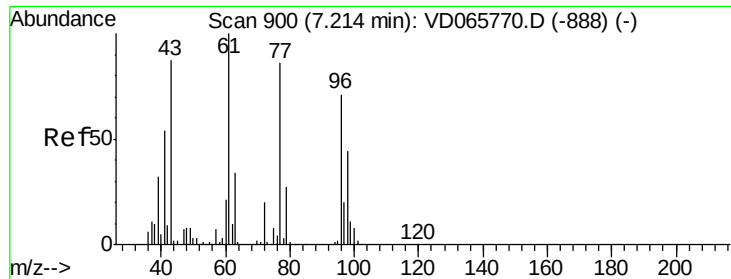
97 22.4 10.9 32.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

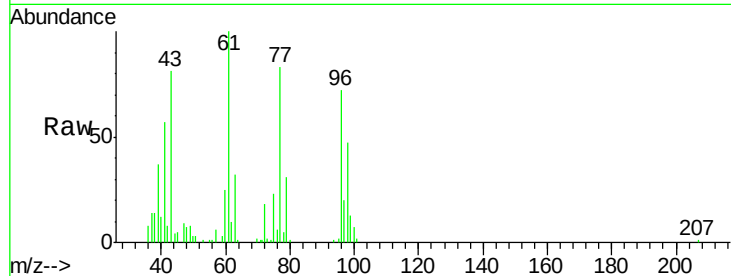
cis-1,2-Dichloroethene
 Concen: 21.138 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

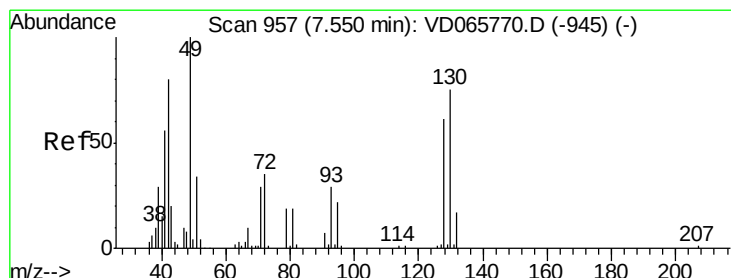
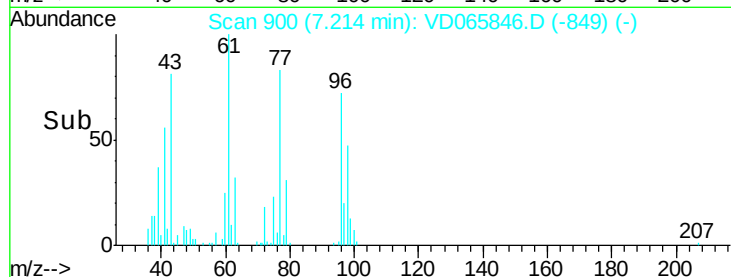
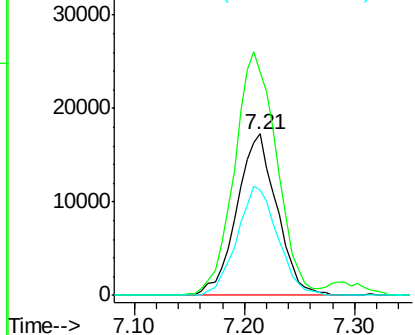
Tot Ion	Ratio	Lower	Upper
96	100		
61	159.6	0.0	291.2
98	68.7	0.0	128.8

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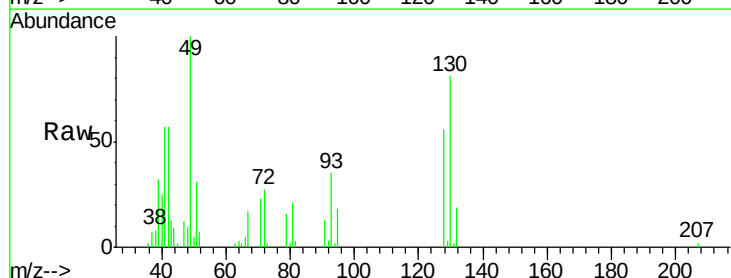
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



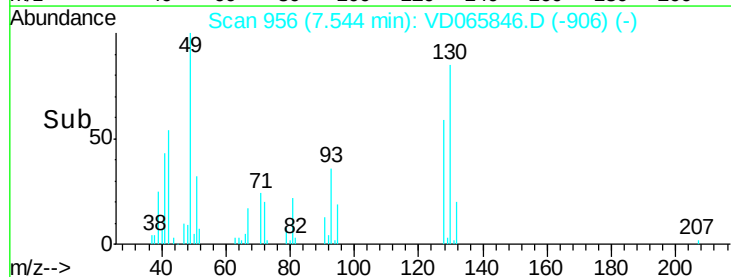
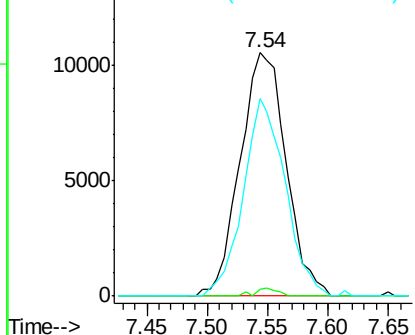
#28

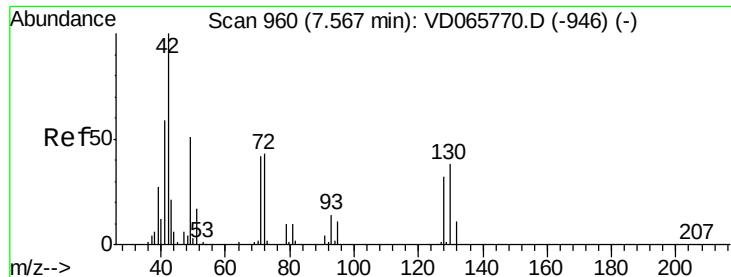
Bromochloromethane
 Concen: 21.624 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.6
130	74.0	59.5	89.3



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





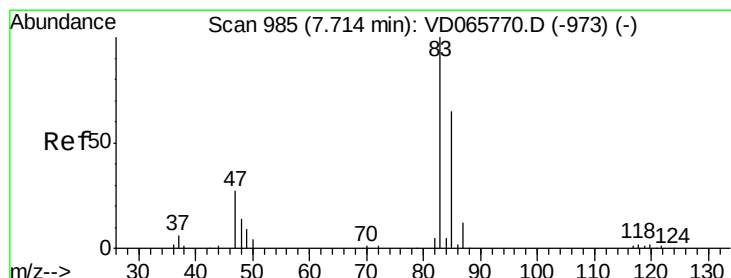
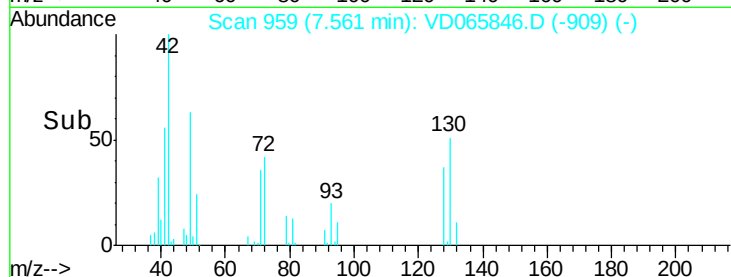
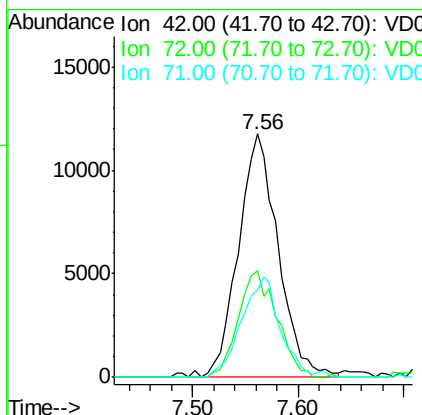
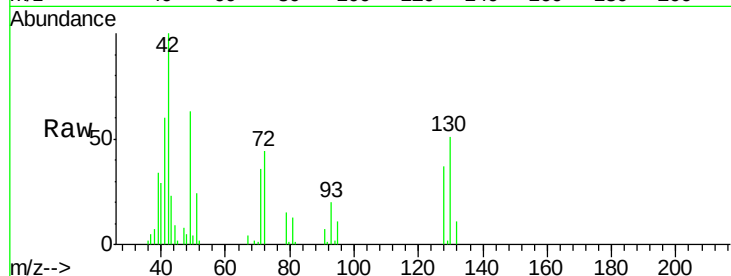
#29
Tetrahydrofuran
Concen: 103.952 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.9	52.3
71	40.5	31.2	46.8

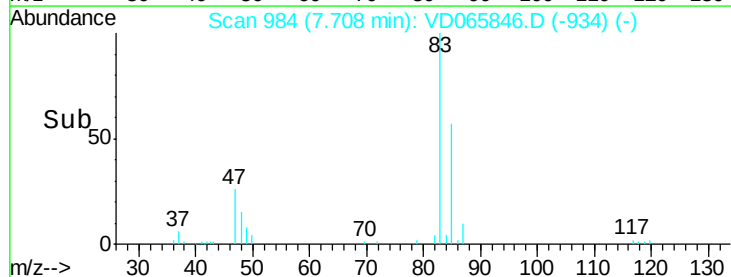
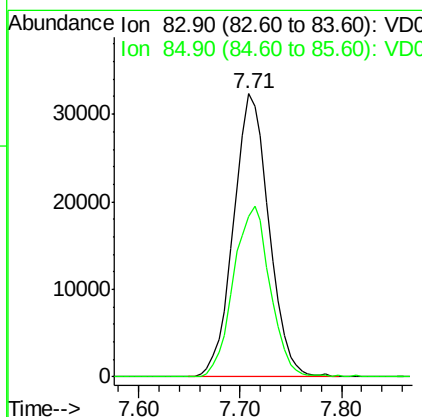
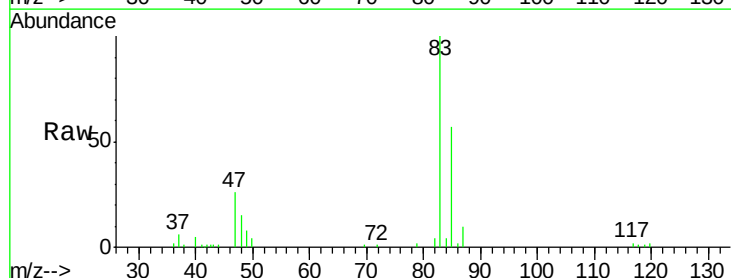
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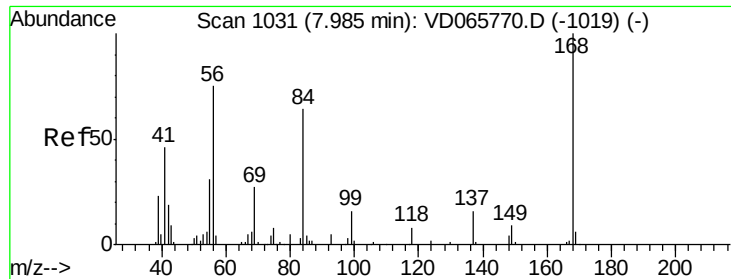
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#30
Chloroform
Concen: 22.544 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.8	51.9	77.9





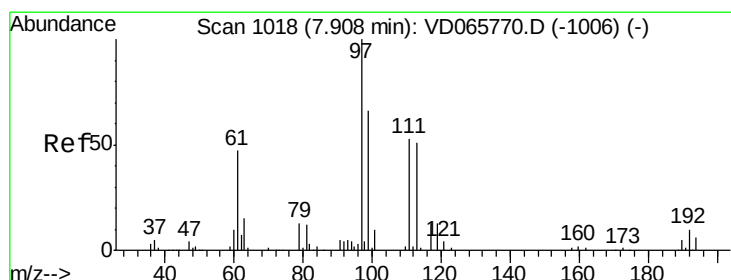
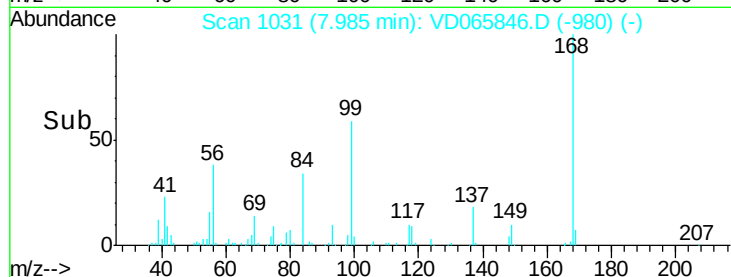
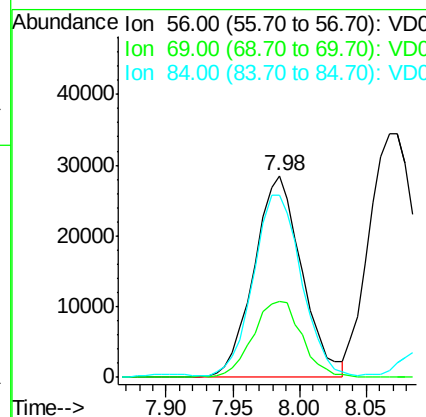
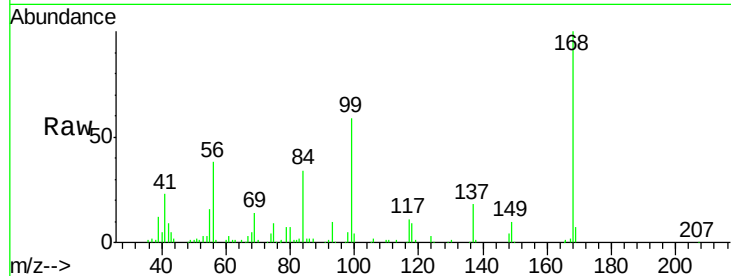
#31
Cyclohexane
Concen: 22.010 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	37.4	28.5	42.7	
84	89.3	68.4	102.6	

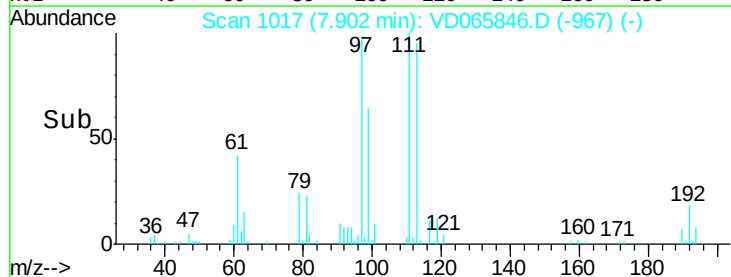
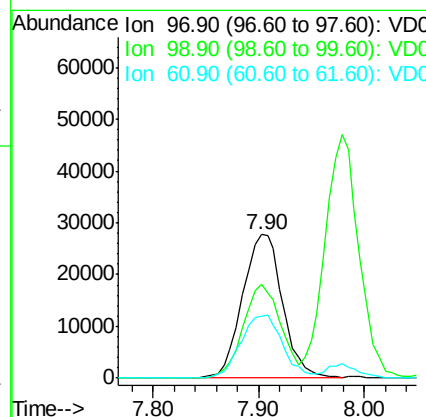
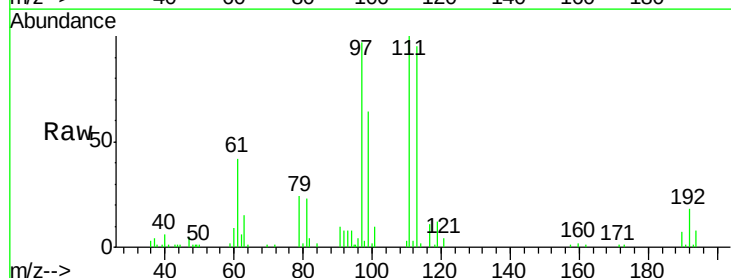
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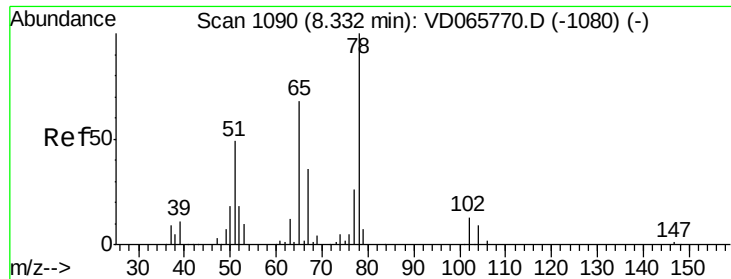
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#32
1,1,1-Trichloroethane
Concen: 22.851 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	61.2	49.2	73.8	
61	45.7	36.0	54.0	





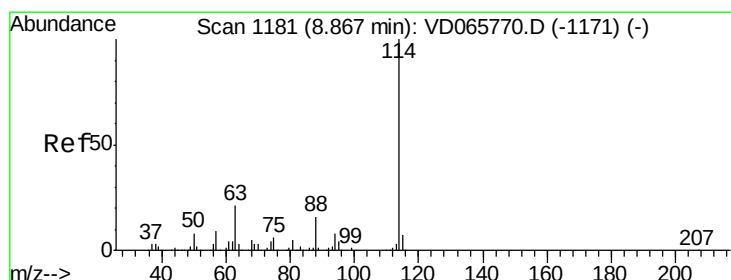
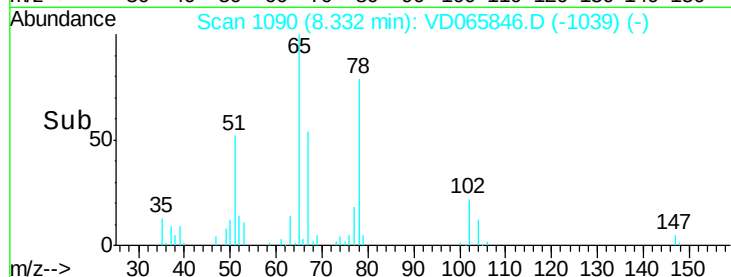
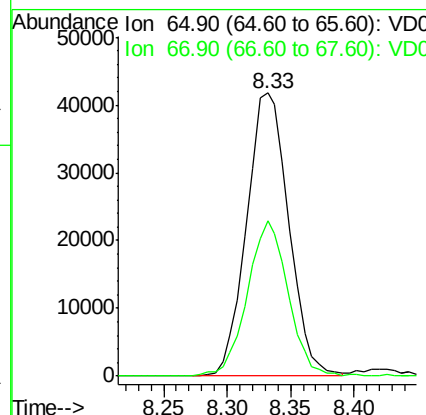
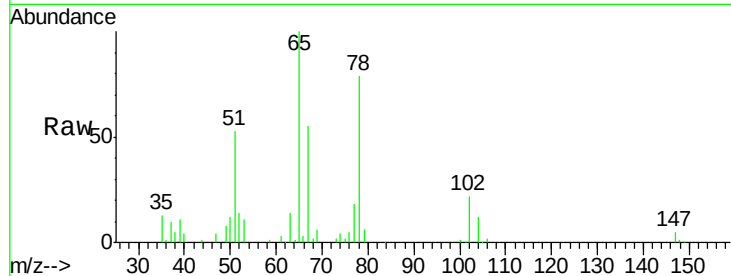
#33
 1,2-Dichloroethane-d4
 Concen: 53.839 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	96555		
67	52.8	0.0	103.6	

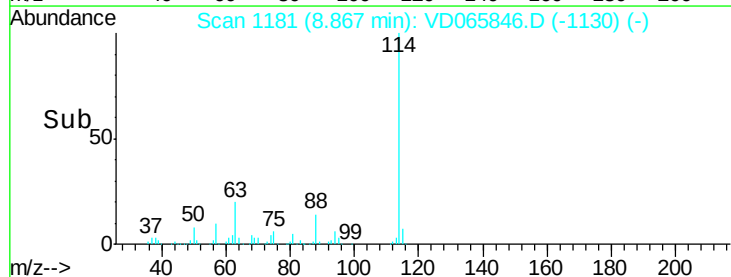
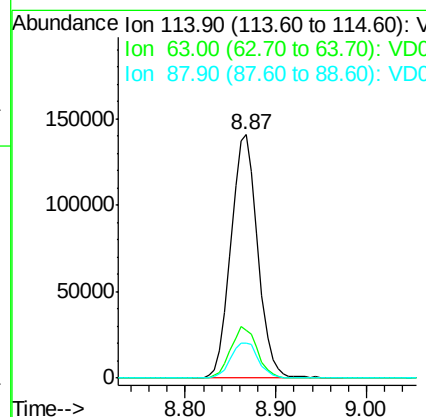
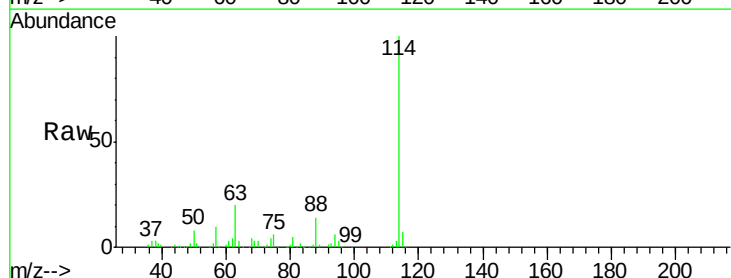
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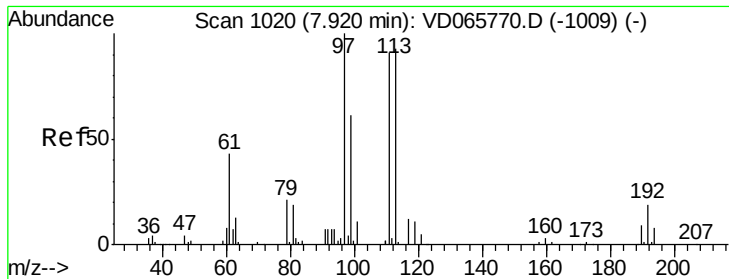
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	290059		
63	19.8	0.0	41.8	
88	14.2	0.0	32.0	





#35

Dibromofluoromethane

Concen: 52.442 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

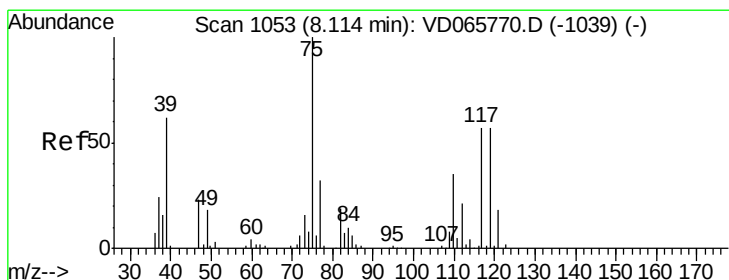
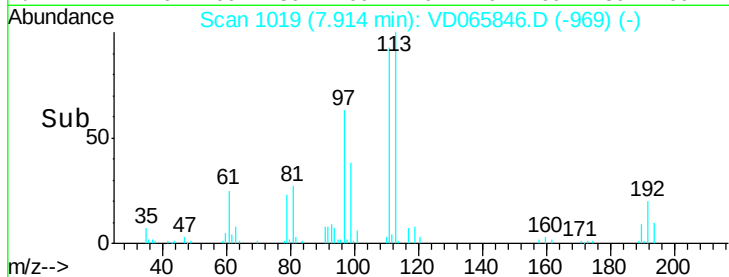
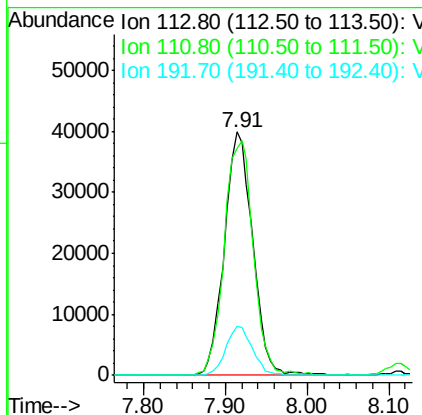
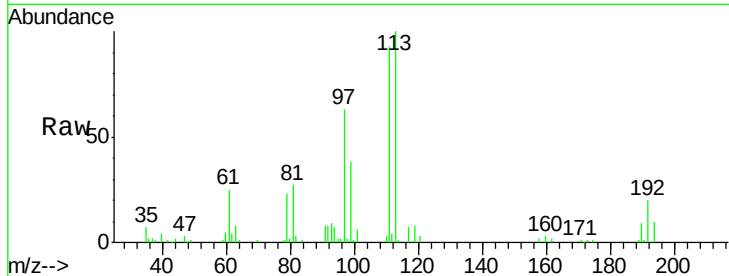
ClientSampleId :

VD0622SBS01

Tot Ion:	113	Resp:	96084
Ion Ratio	Lower	Upper	
113	100		
111	99.5	83.4	125.0
192	18.9	15.7	23.5

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#36

1,1-Dichloropropene

Concen: 22.118 ug/l

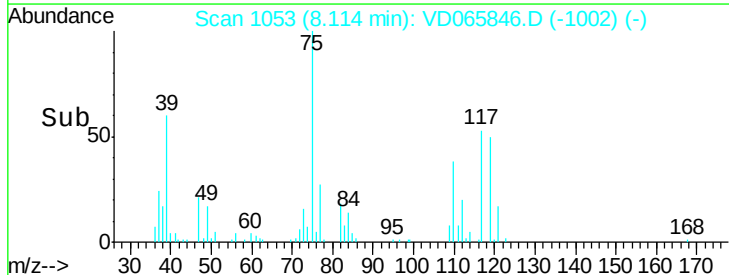
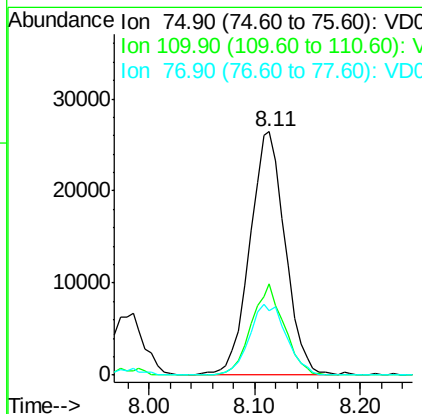
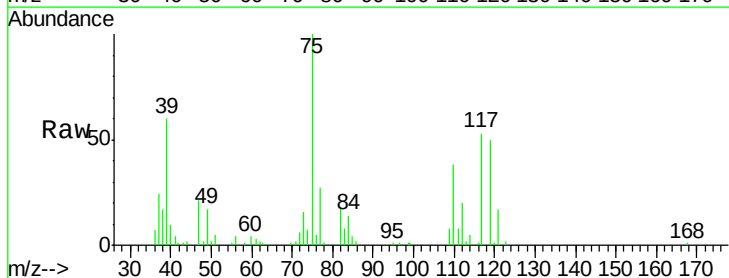
RT: 8.11 min Scan# 1053

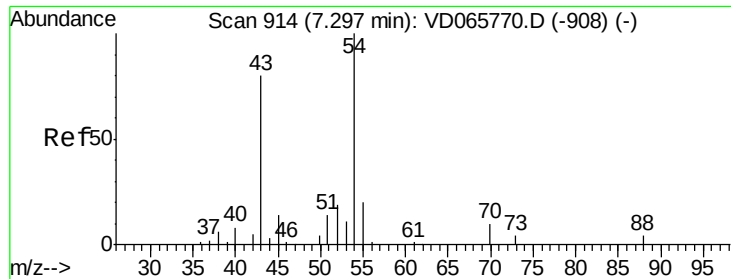
Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Tgt Ion:	75	Resp:	61457
Ion Ratio	Lower	Upper	
75	100		
110	34.6	17.6	52.8
77	30.4	25.1	37.7





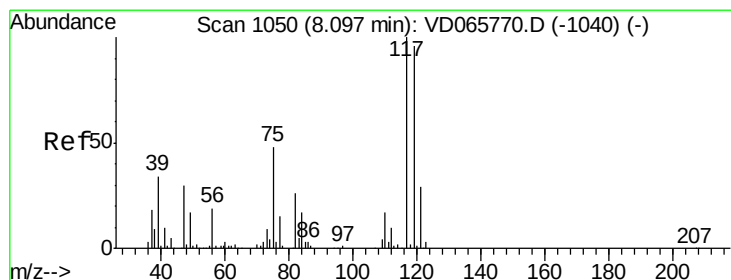
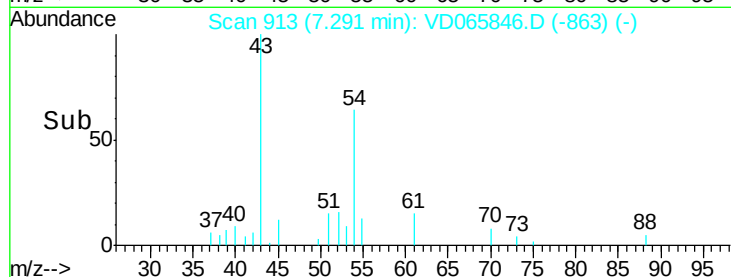
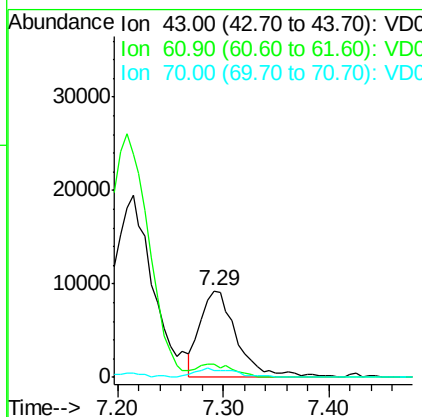
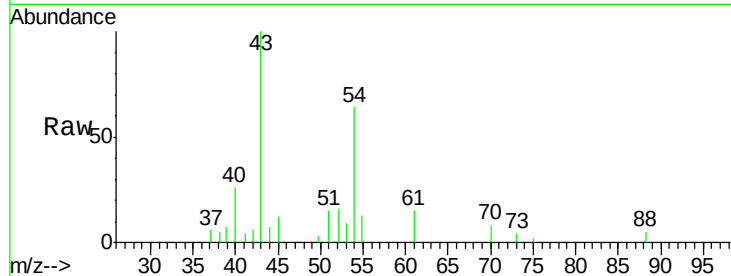
#37
Ethyl Acetate
Concen: 20.630 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.6	15.8
70	11.4	7.5	11.3

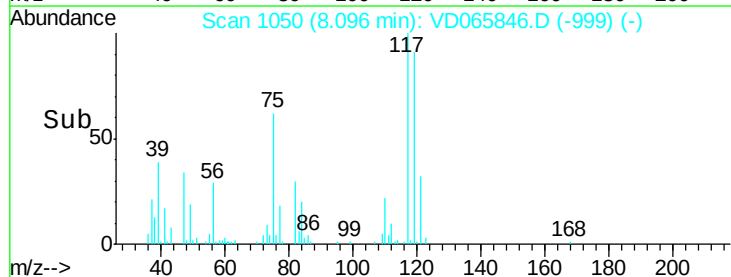
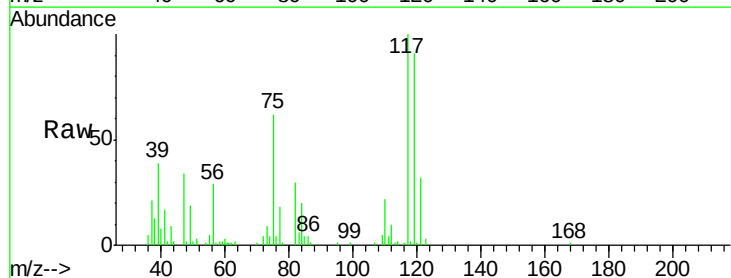
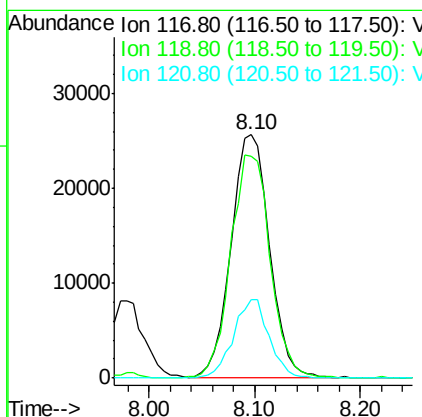
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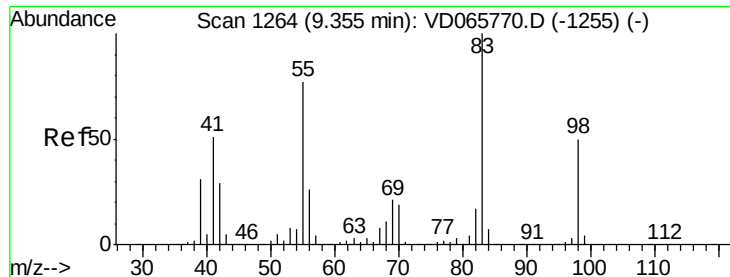
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#38
Carbon Tetrachloride
Concen: 22.198 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.0	76.8	115.2
121	32.3	23.4	35.2





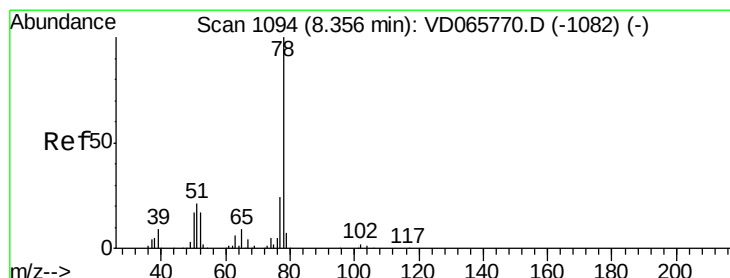
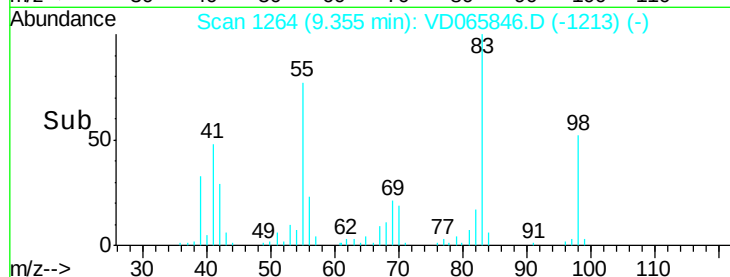
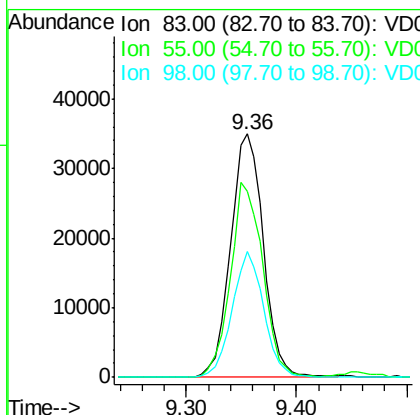
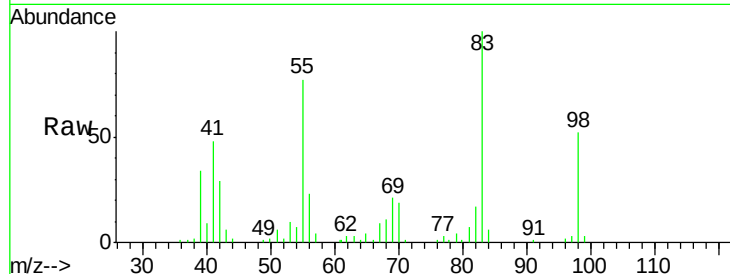
#39
Methylvlcyclohexane
Concen: 22.229 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

Tot Ion	83	Resp	73127
Ion Ratio	100	Lower	Upper
83	100		
55	76.5	61.6	92.4
98	51.6	40.2	60.2

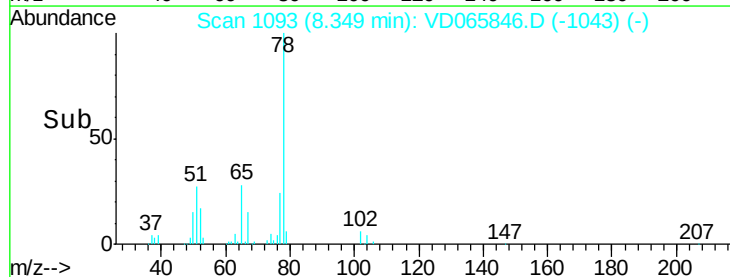
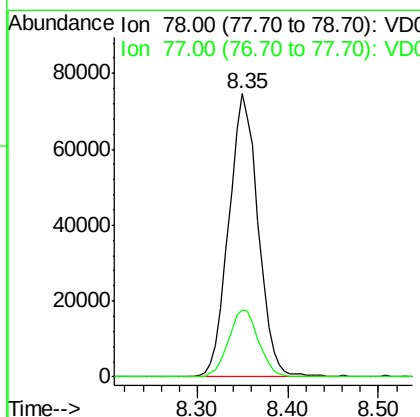
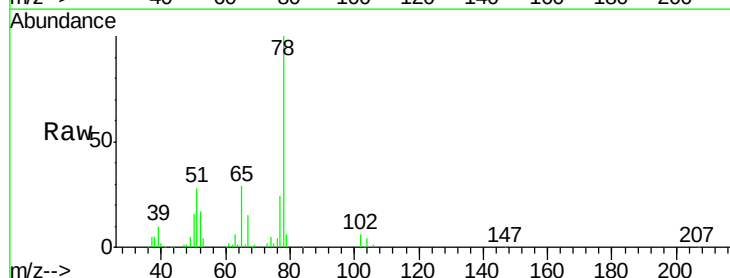
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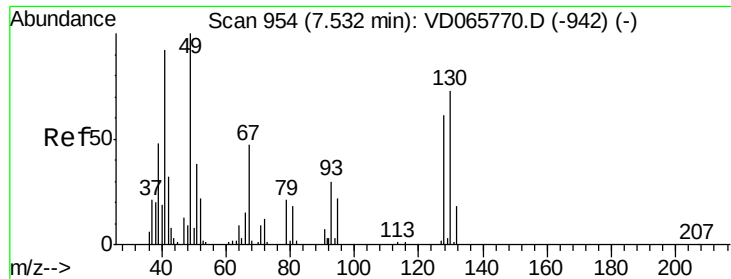
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#40
Benzene
Concen: 22.186 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Tgt Ion	78	Resp	168529
Ion Ratio	100	Lower	Upper
78	100		
77	23.8	19.2	28.8





#41

Methacrylonitrile

Concen: 19.418 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 41 Resp: 12654

Ion Ratio Lower Upper

41 100

39 0.0 38.3 57.5#

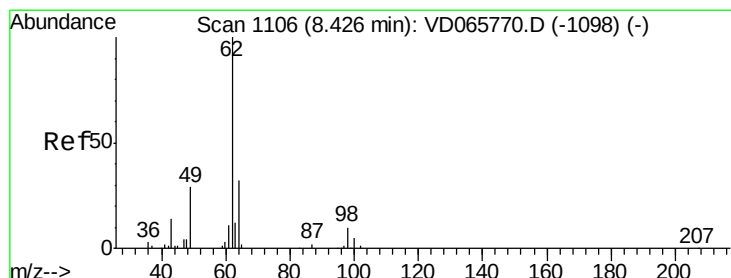
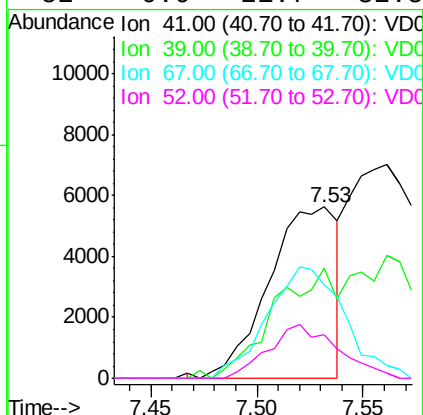
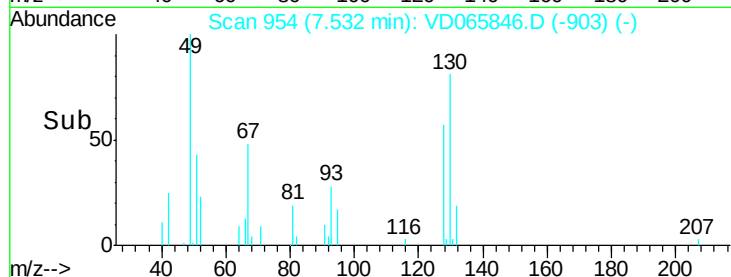
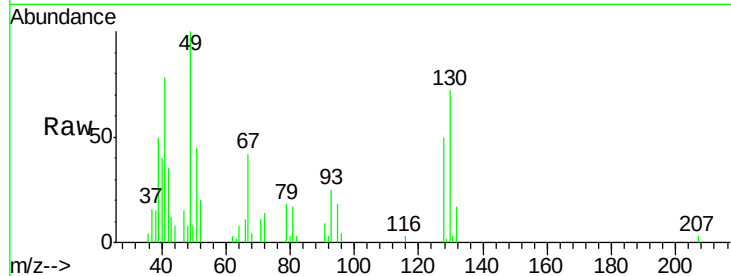
67 0.0 49.8 74.6#

52 0.0 21.7 32.5#

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#42

1,2-Dichloroethane

Concen: 21.260 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VD065846.D

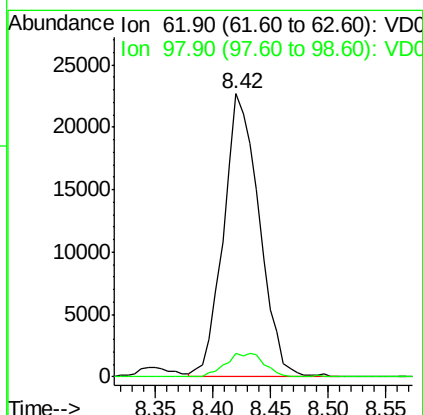
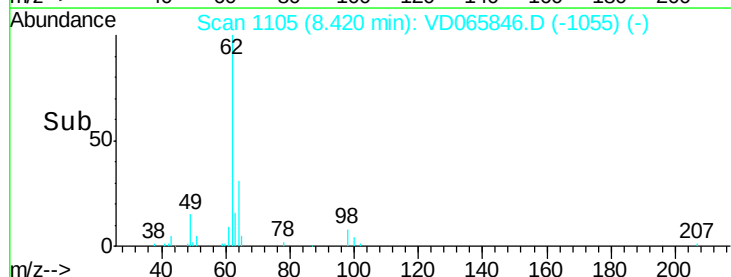
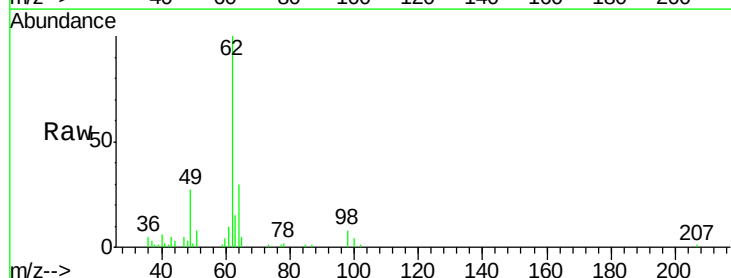
Acq: 22 Jun 2020 16:03

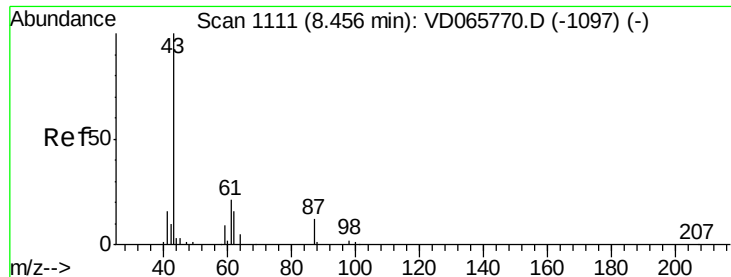
Tgt Ion: 62 Resp: 48727

Ion Ratio Lower Upper

62 100

98 9.1 0.0 18.6





#43

Isopropyl Acetate

Concen: 21.000 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

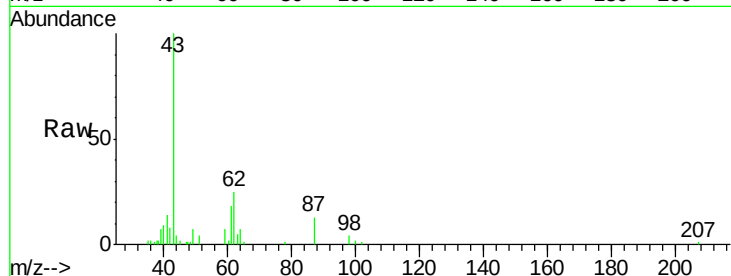
ClientSampleId :

VD0622SBS01

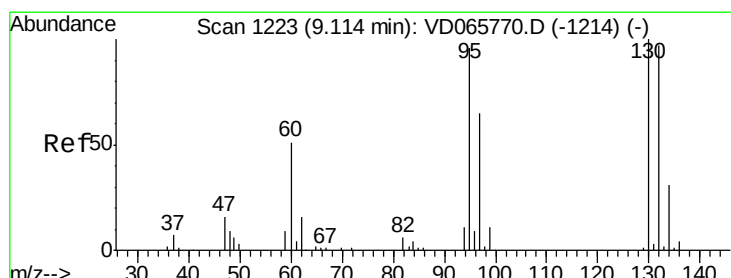
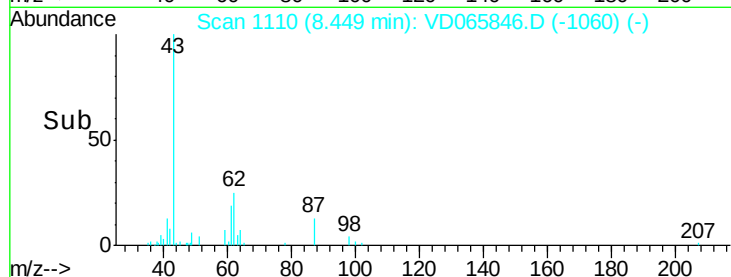
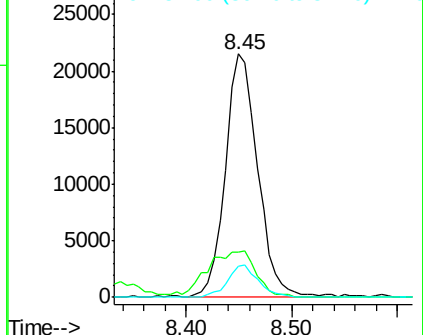
Tot Ion:	43	Resp:	45702
Ion	Ratio	Lower	Upper
43	100		
61	29.1	24.2	36.4
87	12.6	9.5	14.3

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Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 22.039 ug/l

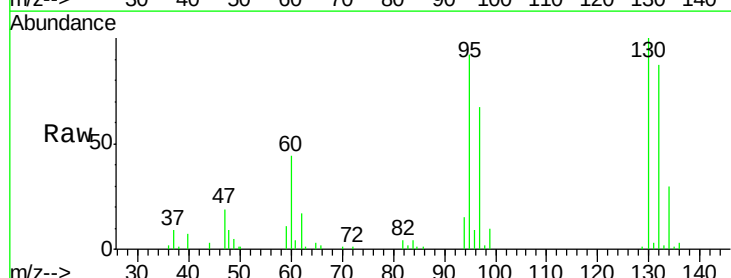
RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

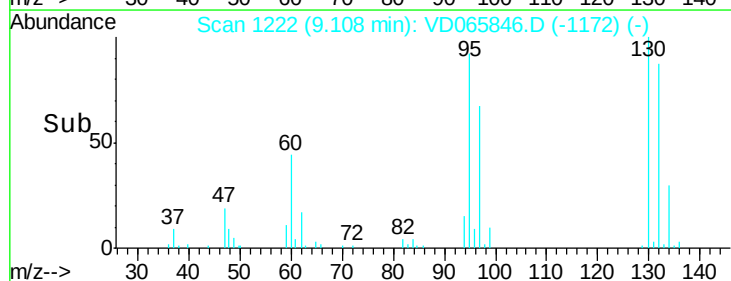
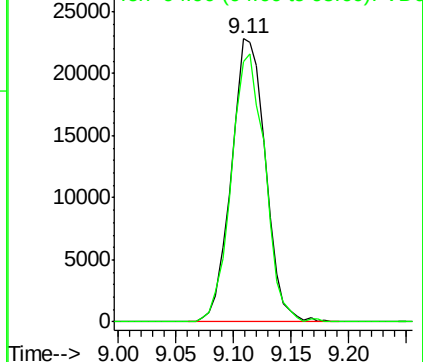
Lab File: VD065846.D

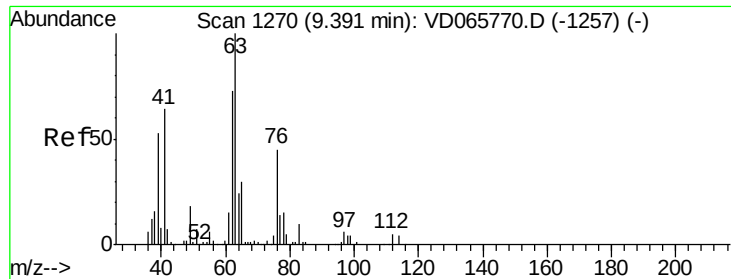
Acq: 22 Jun 2020 16:03

Tgt Ion:	130	Resp:	46588
Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	192.8



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





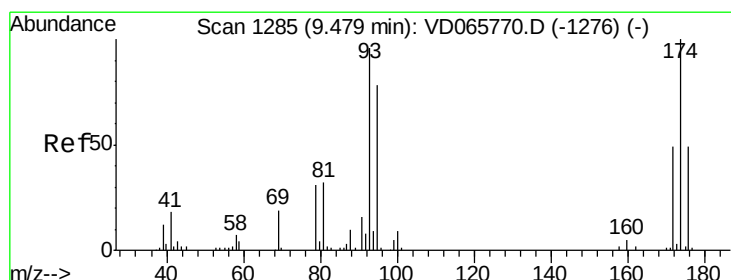
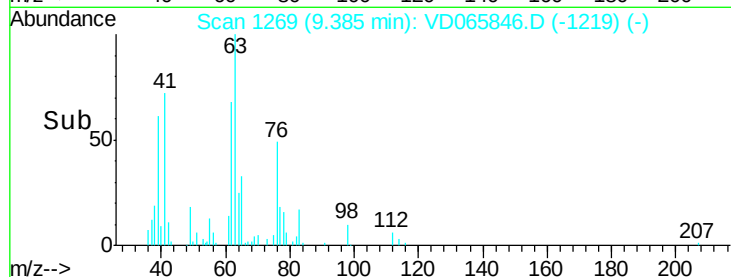
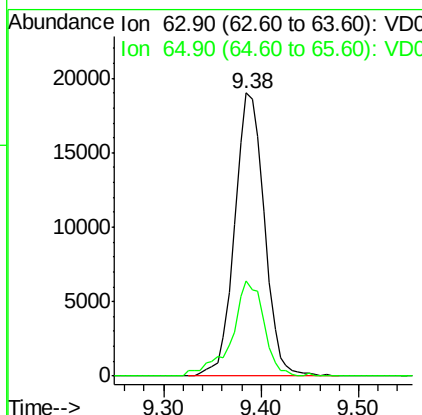
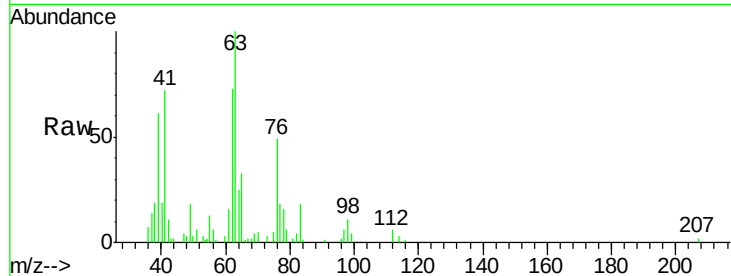
#45
 1,2-Dichloropropane
 Concen: 21.018 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0622SBSD01

Tot Ion: 63 Resp: 40115
 Ion Ratio Lower Upper
 63 100
 65 33.5 24.2 36.2

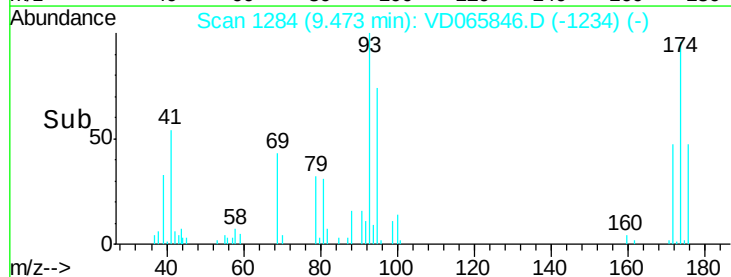
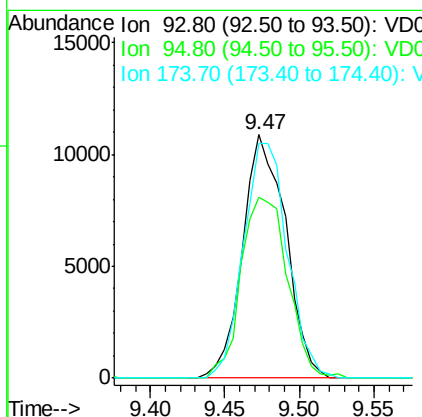
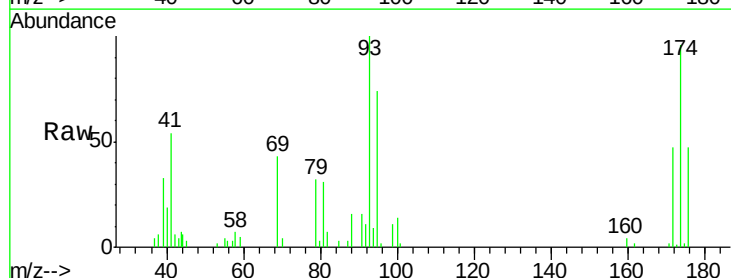
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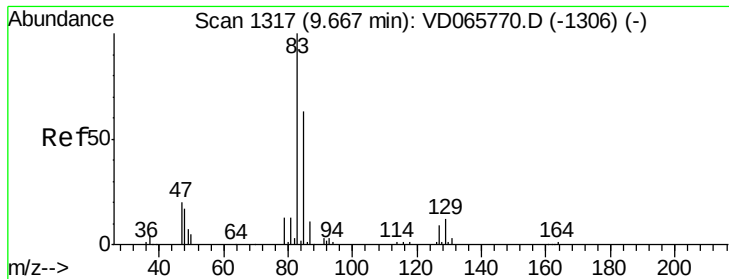
MMDadoda
 6/23/2020 11:02:21 AM



#46
 Dibromomethane
 Concen: 21.032 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Tgt Ion: 93 Resp: 21771
 Ion Ratio Lower Upper
 93 100
 95 80.4 65.8 98.6
 174 98.8 80.9 121.3





#47

Bromodichloromethane

Concen: 21.176 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

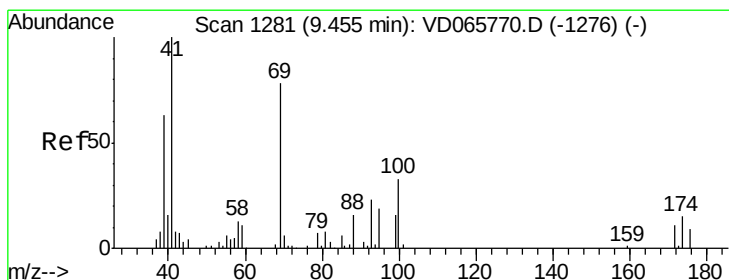
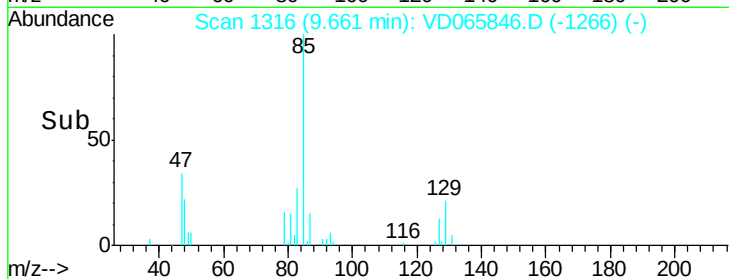
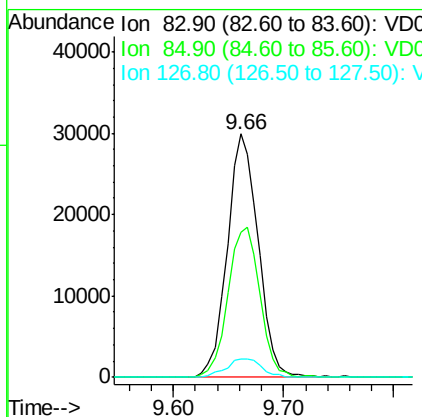
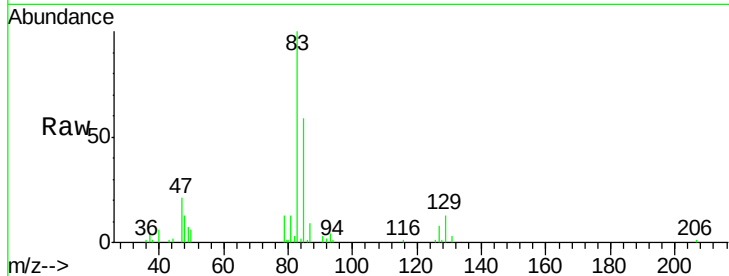
ClientSampleId :

VD0622SBS01

Tot Ion:	83	Resp:	58739
Ion	Ratio	Lower	Upper
83	100		
85	59.4	50.7	76.1
127	7.8	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.883 ug/l

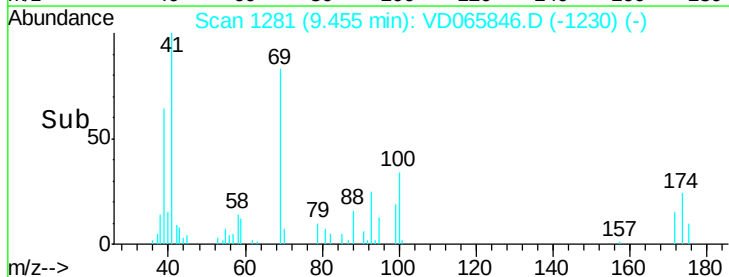
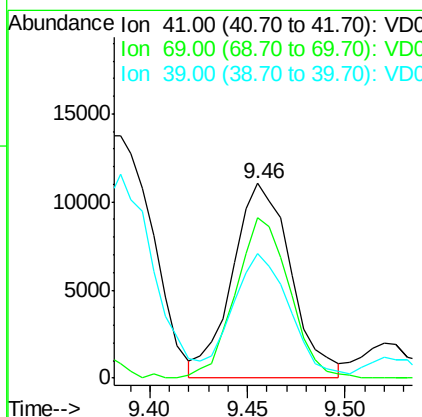
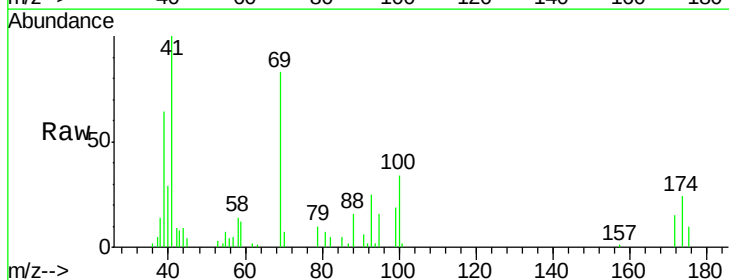
RT: 9.46 min Scan# 1281

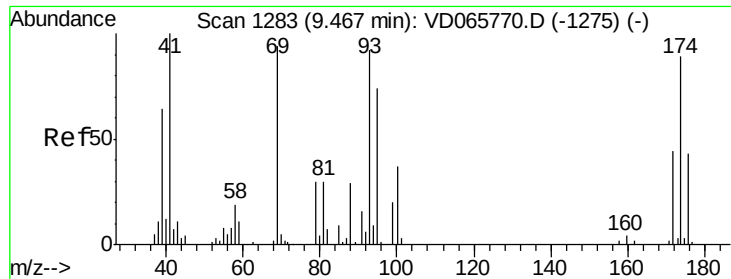
Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Tgt Ion:	41	Resp:	23052
Ion	Ratio	Lower	Upper
41	100		
69	75.4	60.9	91.3
39	57.7	48.1	72.1





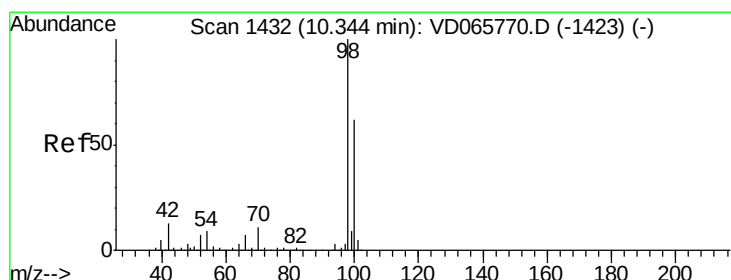
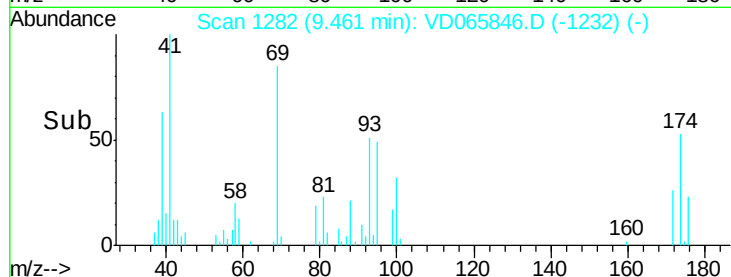
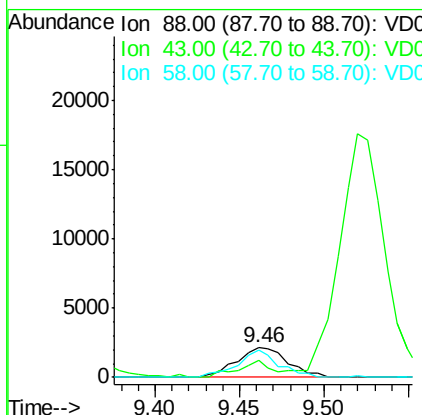
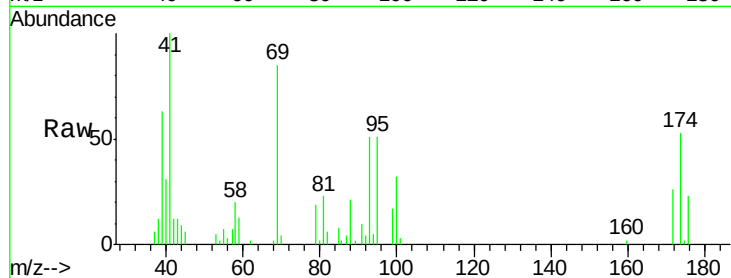
#49
1,4-Dioxane
Concen: 408.880 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.3	32.2	48.4
58	74.6	54.9	82.3

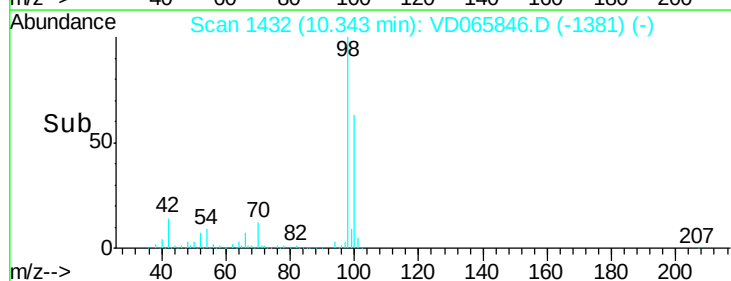
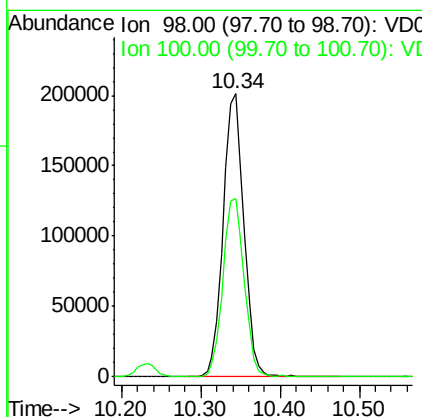
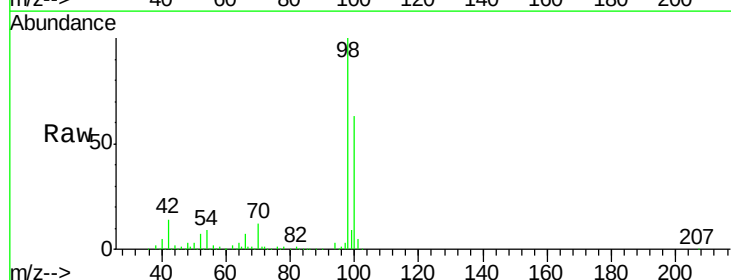
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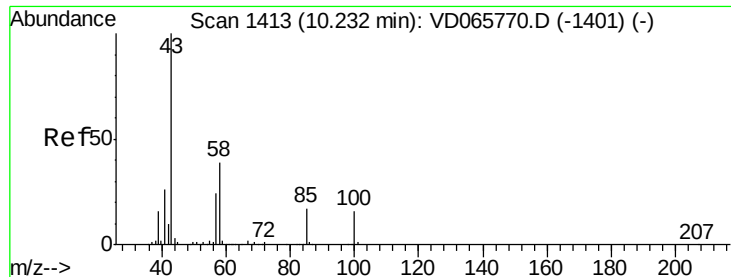
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#50
Toluene-d8
Concen: 53.513 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.4	77.2





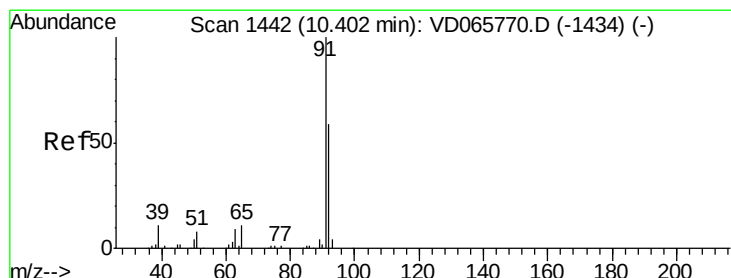
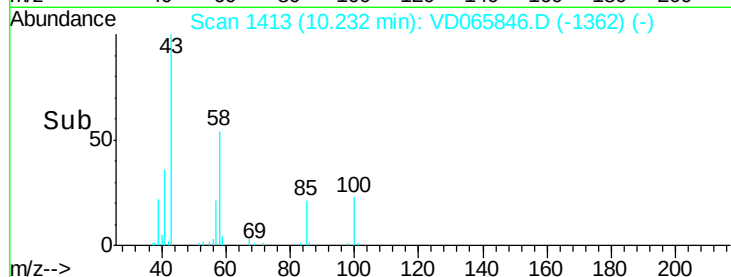
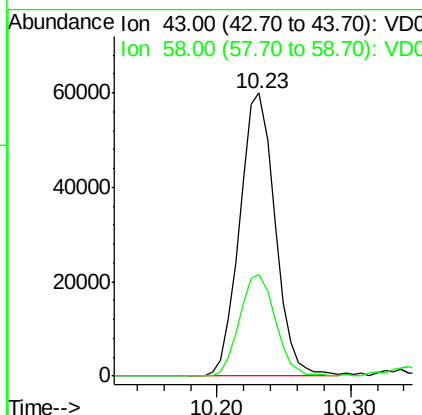
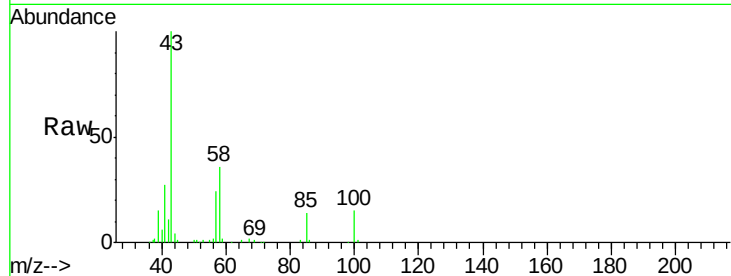
#51
 4-Methyl-2-Pentanone
 Concen: 103.129 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion	43	Resp	109979
Ion Ratio	43	100	
Lower	58	36.6	30.7
Upper			46.1

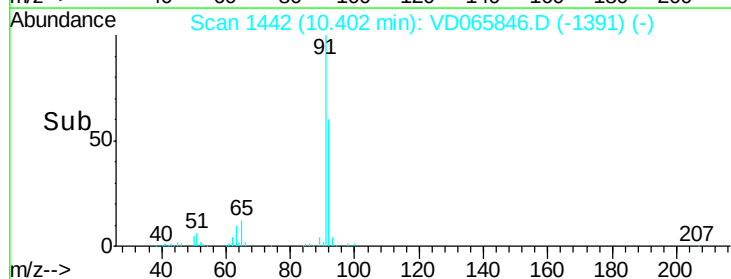
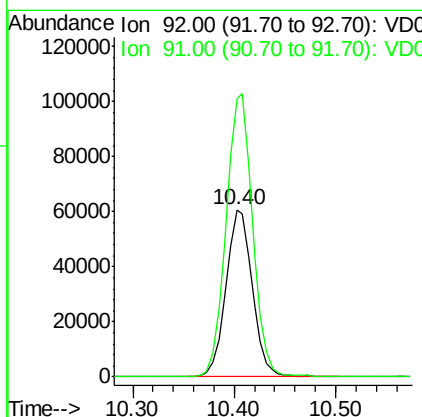
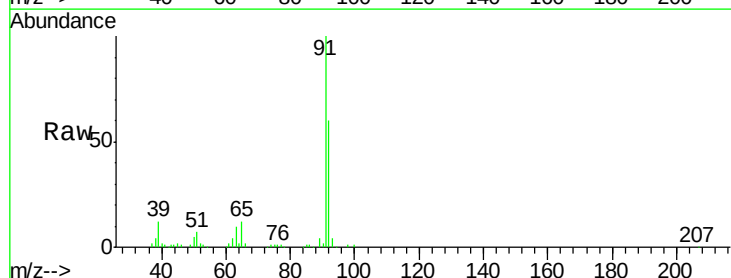
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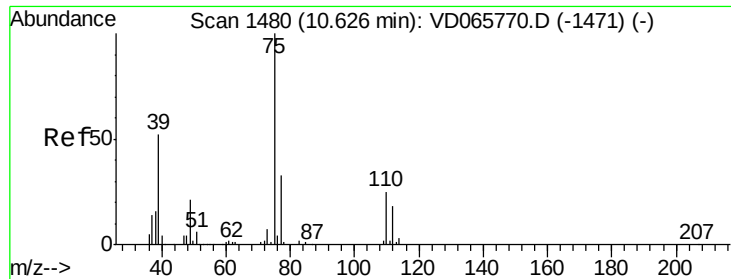
MMDadoda
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#52
 Toluene
 Concen: 22.100 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Tgt Ion	92	Resp	109079
Ion Ratio	92	100	
Lower	91	170.3	137.8
Upper			206.8





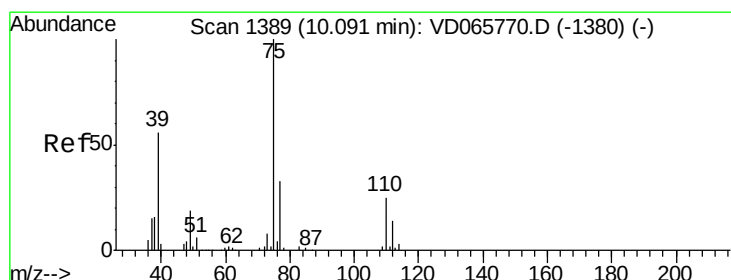
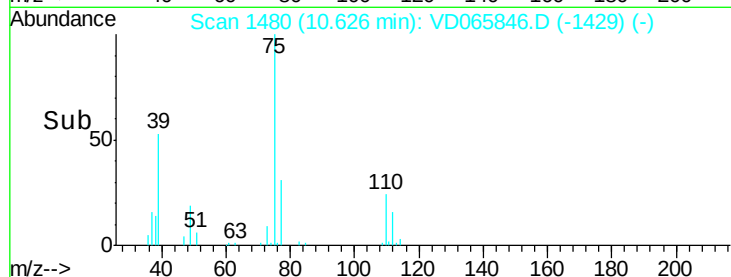
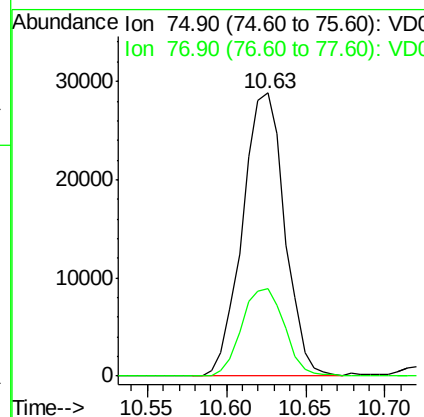
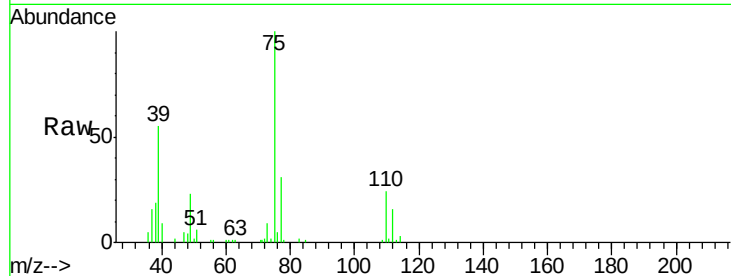
#53
 t-1,3-Dichloropropene
 Concen: 21.262 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.4	39.6

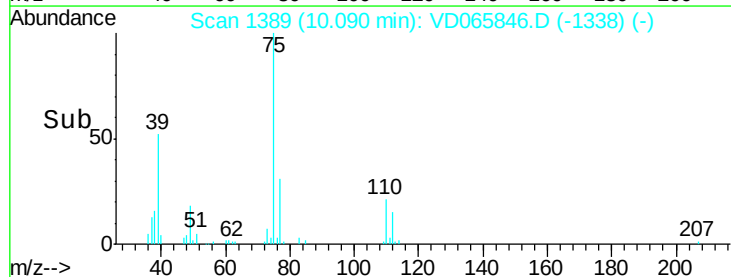
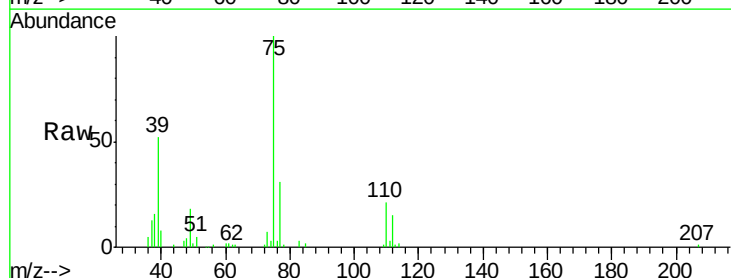
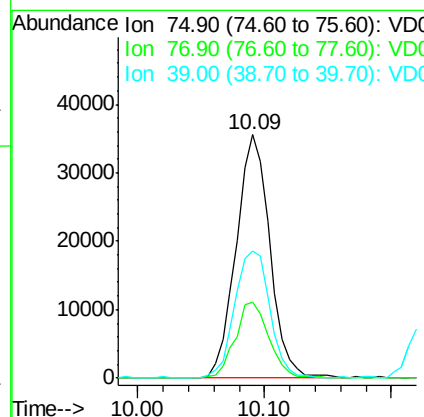
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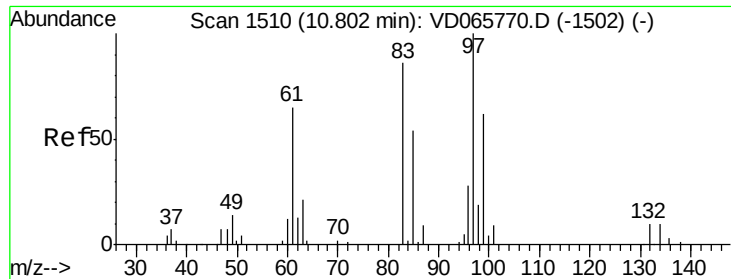
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#54
 cis-1,3-Dichloropropene
 Concen: 22.014 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	26.0	39.0
39	52.2	45.0	67.6





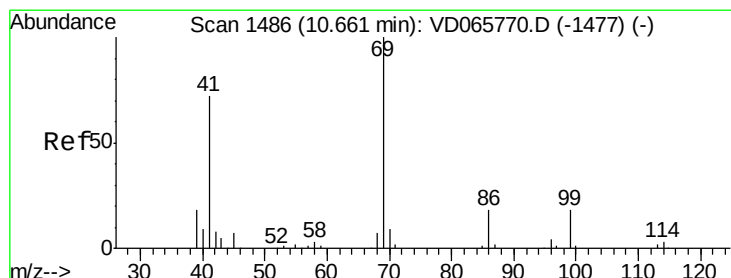
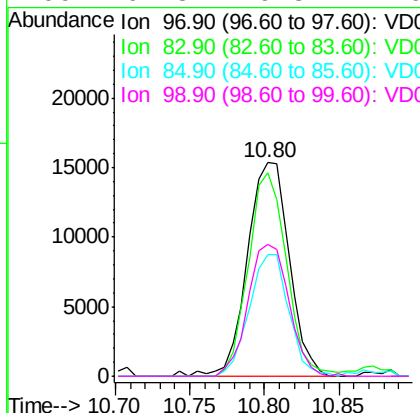
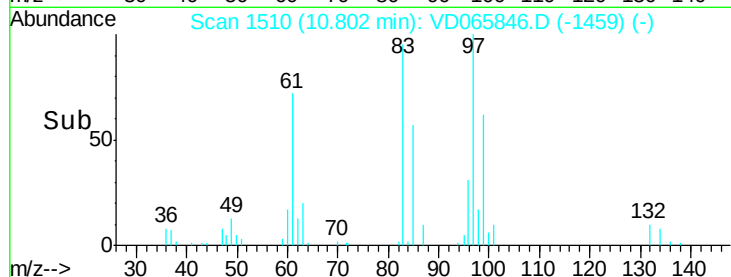
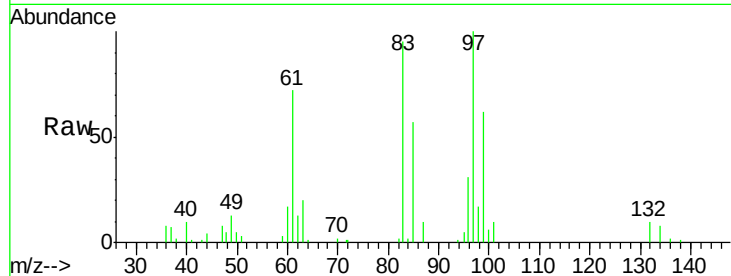
#55
1,1,2-Trichloroethane
Concen: 21.496 ug/l
RT: 10.80 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	97	Resp	29731
Ion Ratio	Lower	Upper	
97	100		
83	95.3	68.7	103.1
85	56.9	43.0	64.6
99	61.8	49.8	74.6

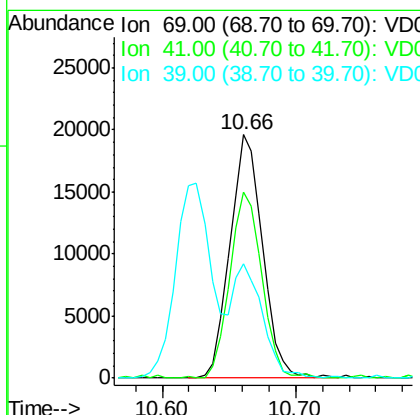
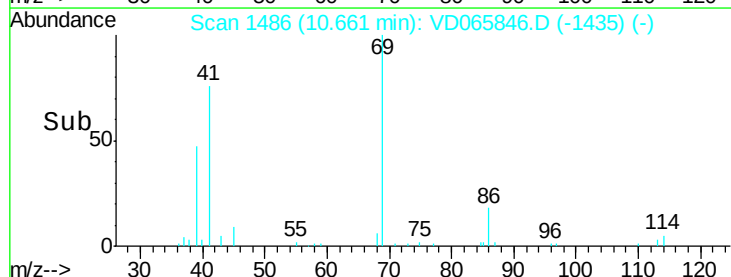
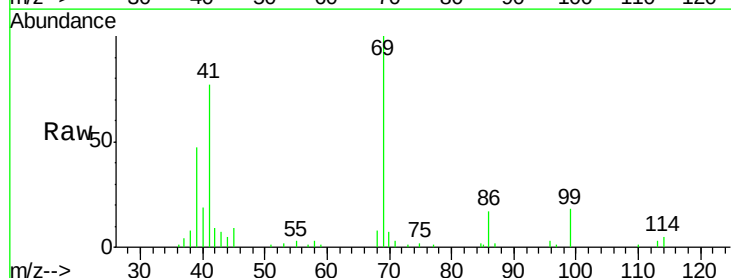
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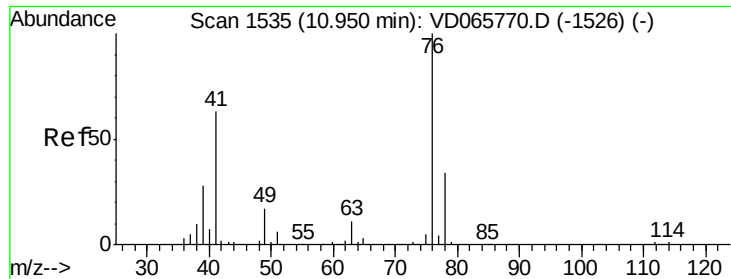
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#56
Ethyl methacrylate
Concen: 20.548 ug/l
RT: 10.66 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Tgt Ion	69	Resp	33428
Ion Ratio	Lower	Upper	
69	100		
41	75.2	56.9	85.3
39	40.9	36.0	54.0





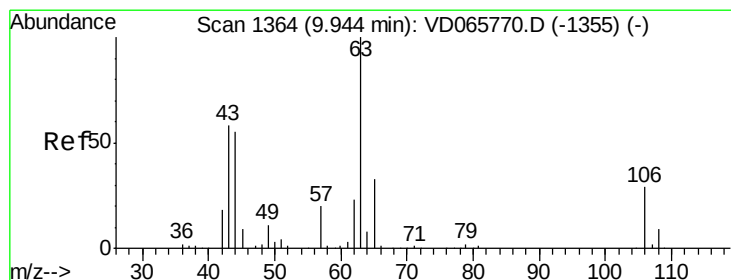
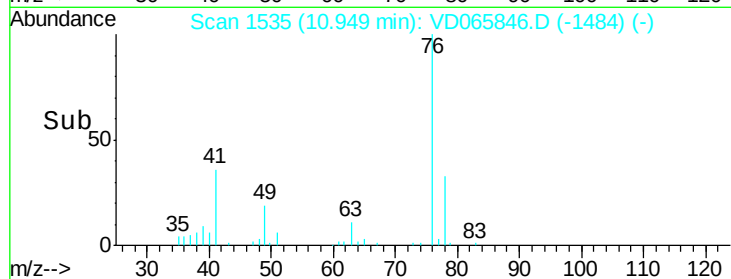
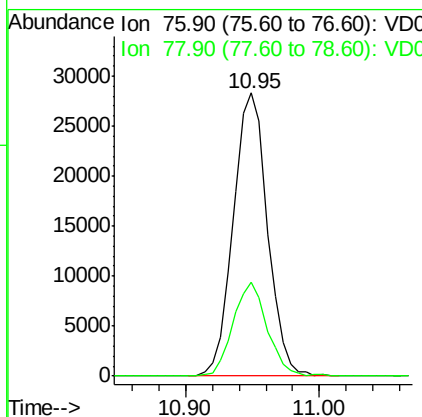
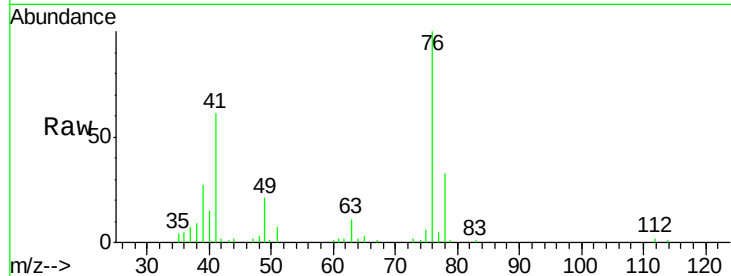
#57
 1,3-Dichloropropane
 Concen: 20.980 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion: 76 Resp: 50274
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.3 39.5

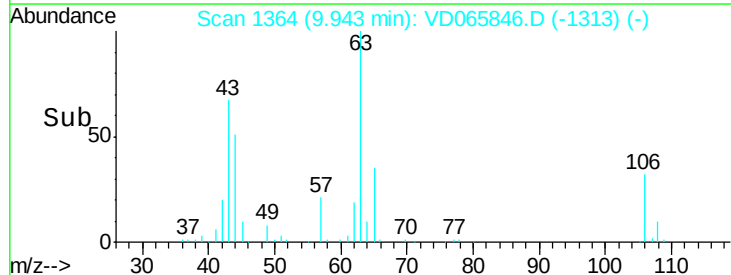
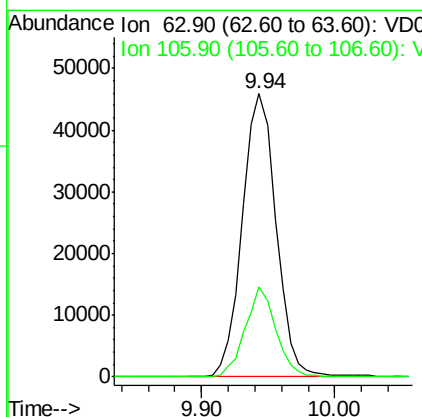
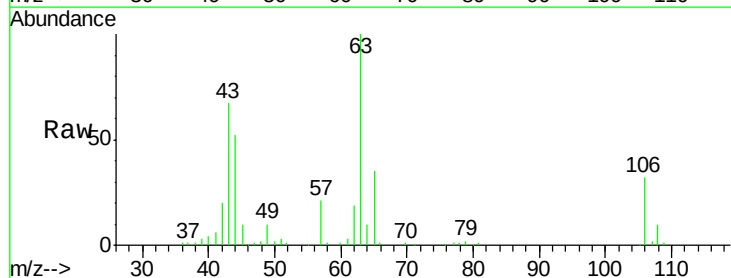
Manual Integrations
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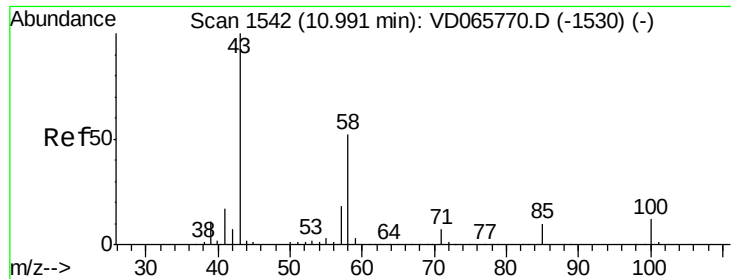
MMDadoda
 6/23/2020 11:02:21 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.196 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Tgt Ion: 63 Resp: 80321
 Ion Ratio Lower Upper
 63 100
 106 28.6 23.2 34.8





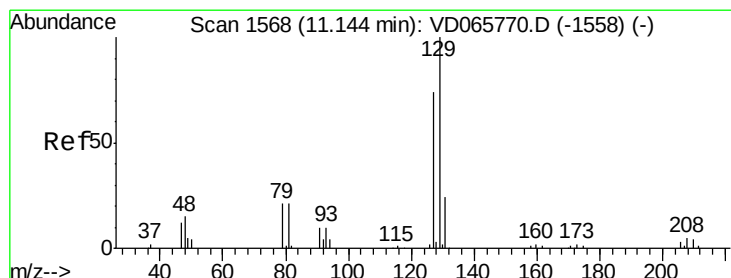
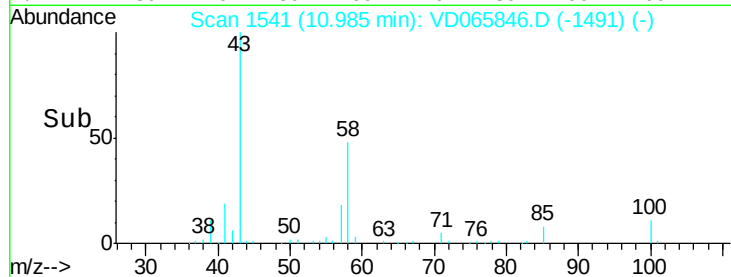
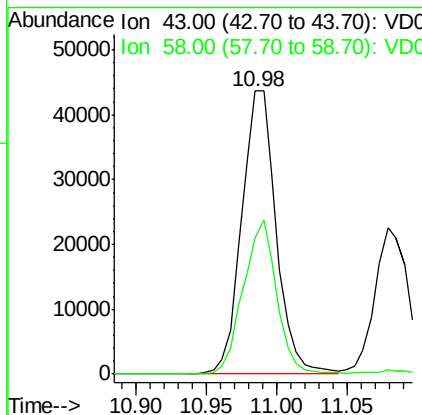
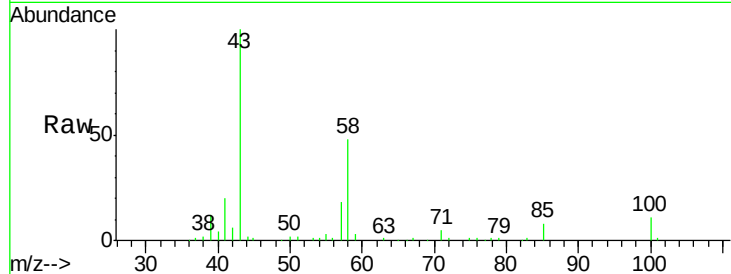
#59
2-Hexanone
Concen: 104.102 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

Tot Ion: 43 Resp: 74846
Ion Ratio Lower Upper
43 100
58 52.5 25.7 77.0

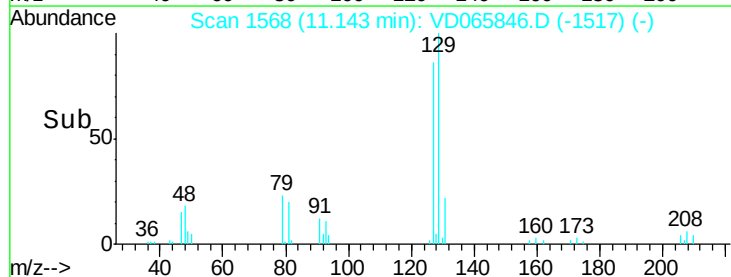
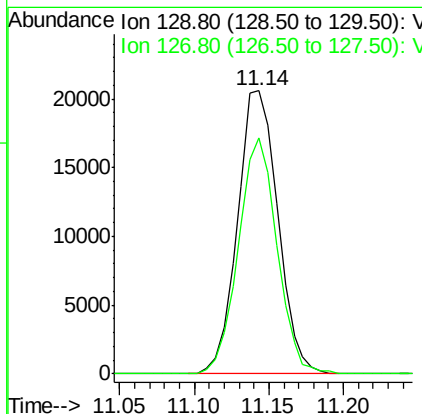
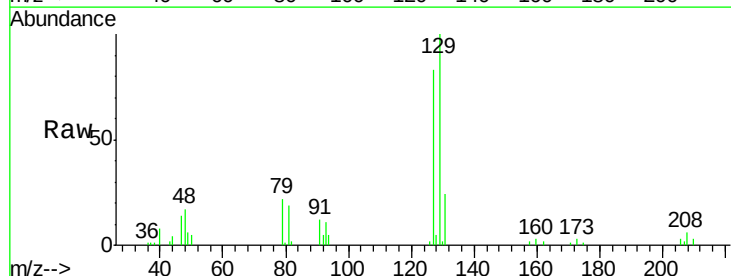
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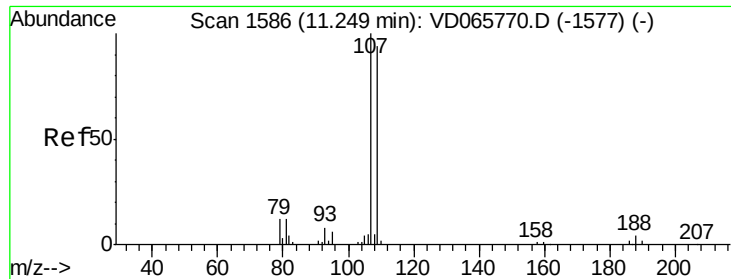
MMDadoda
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#60
Dibromochloromethane
Concen: 20.640 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Tgt Ion: 129 Resp: 38564
Ion Ratio Lower Upper
129 100
127 79.8 38.0 113.9





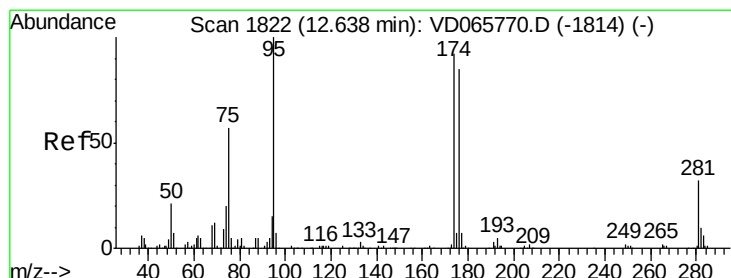
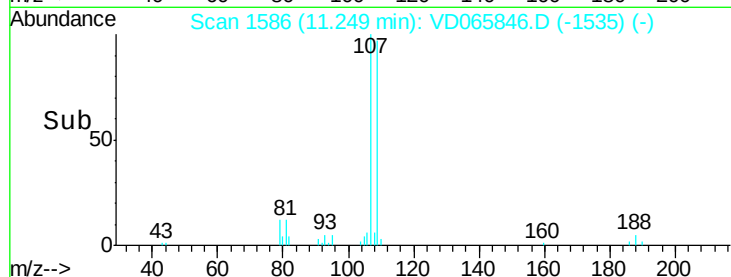
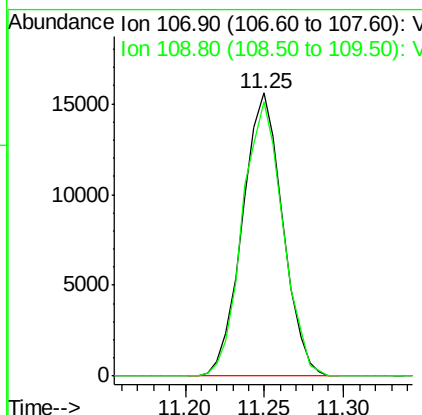
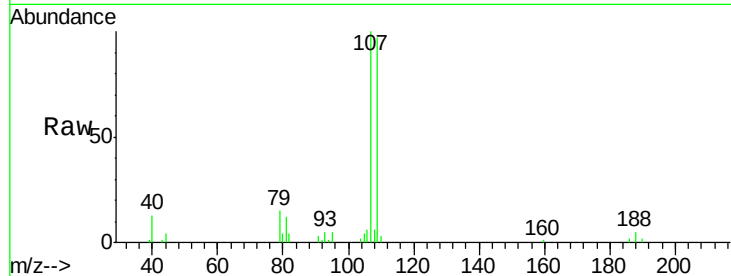
#61
 1,2-Dibromoethane
 Concen: 20.265 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.7	74.4	111.6

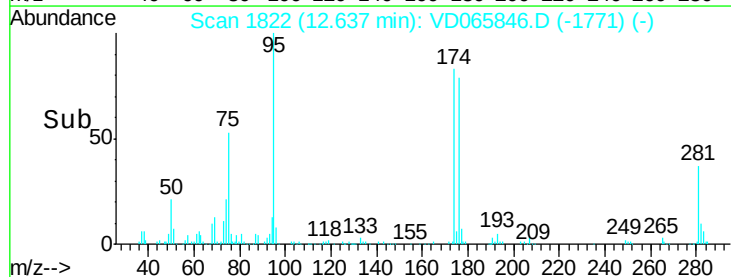
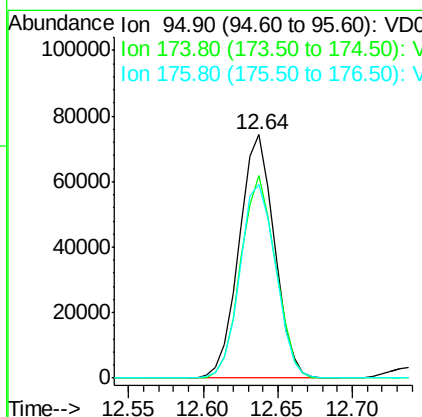
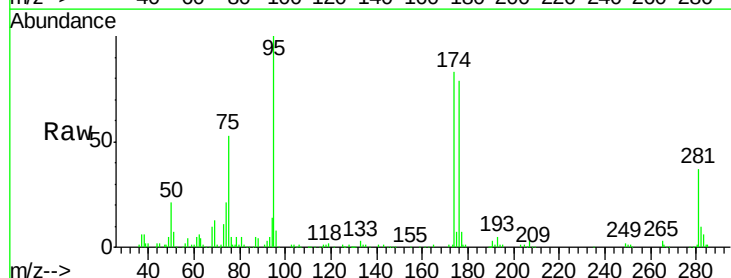
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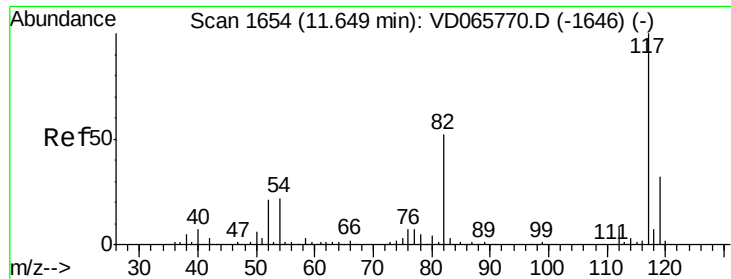
MMDadoda
 6/23/2020 11:02:21 AM



#62
 4-Bromofluorobenzene
 Concen: 52.700 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.3	0.0	175.2
176	80.5	0.0	163.0





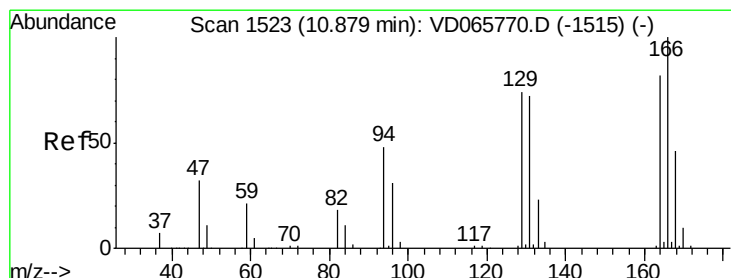
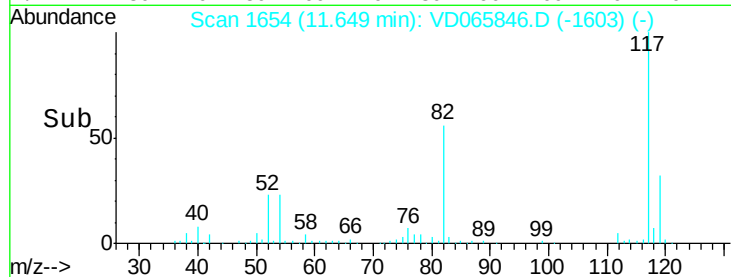
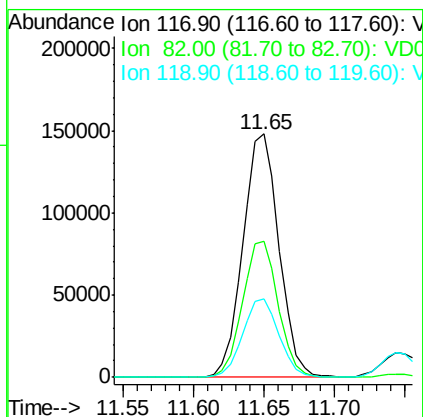
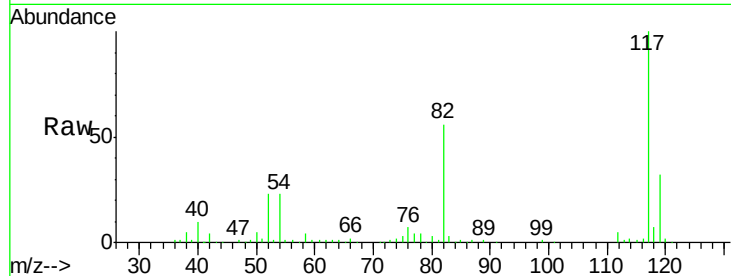
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	41.9	62.9
119	32.3	25.3	37.9

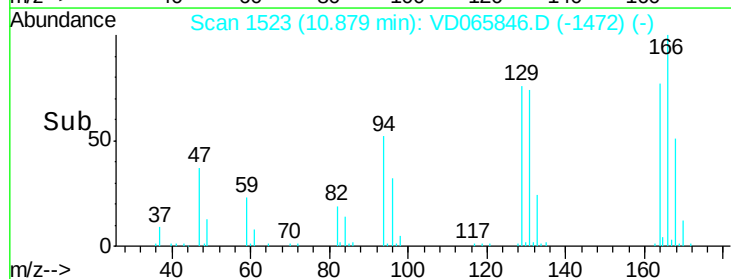
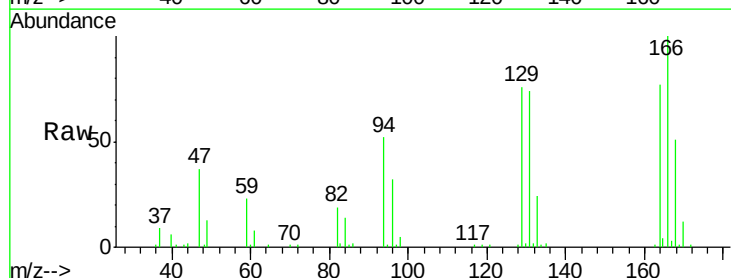
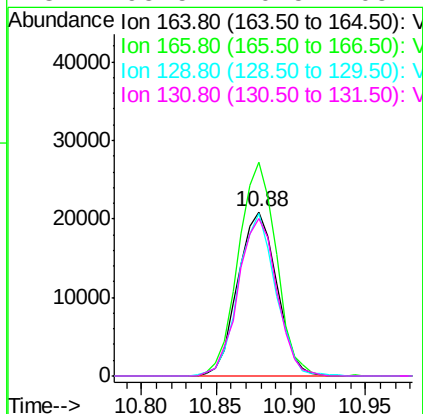
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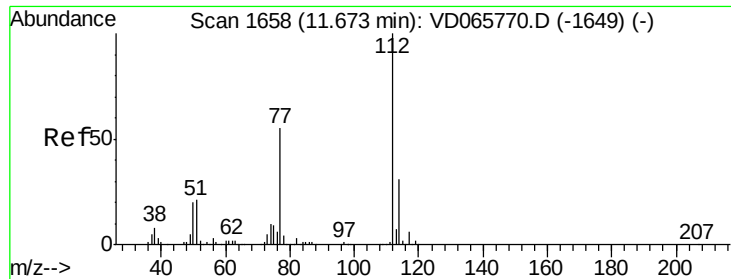
MMDadoda
6/23/2020 11:02:21 AM



#64
Tetrachloroethene
Concen: 21.173 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	98.2	147.2
129	98.6	72.3	108.5
131	95.5	70.5	105.7





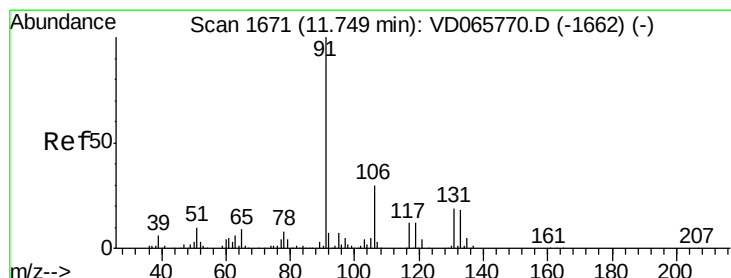
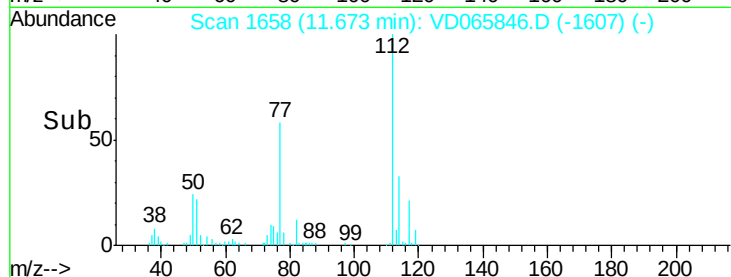
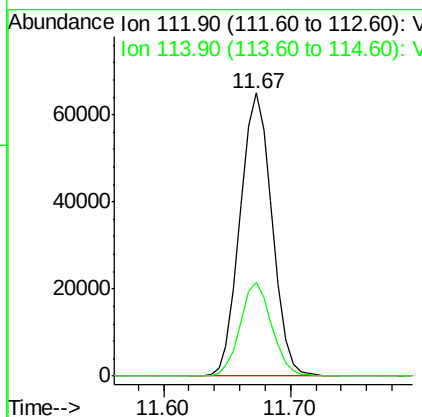
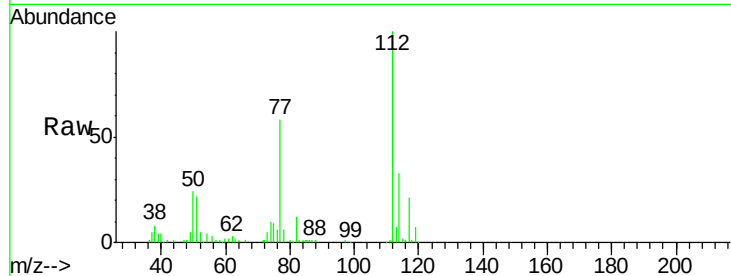
#65
Chlorobenzene
Concen: 21.916 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

Tot Ion:112 Resp: 113512
Ion Ratio Lower Upper
112 100
114 33.3 24.7 37.1

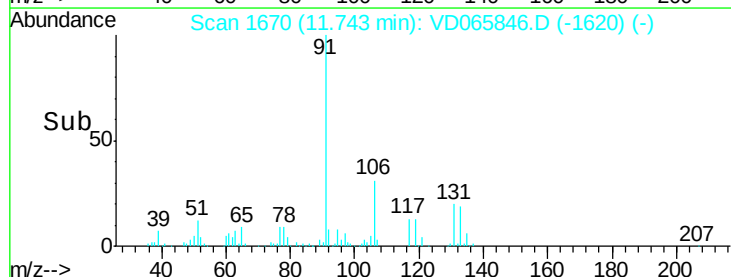
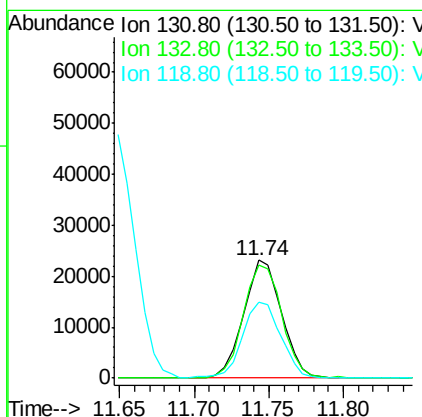
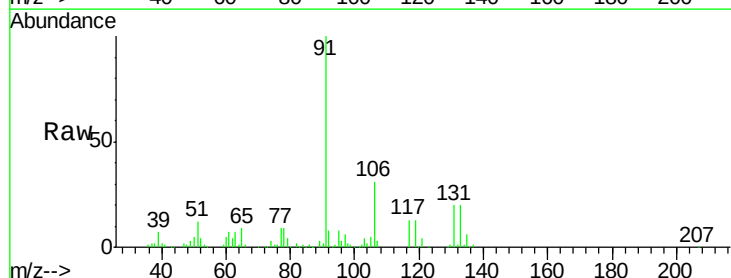
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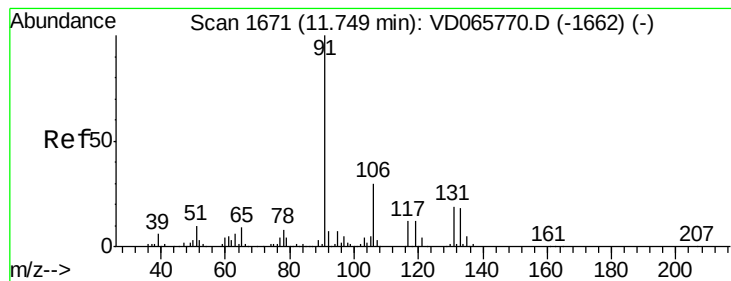
MMDadoda
6/23/2020 11:02:21 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.090 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Tgt Ion:131 Resp: 40718
Ion Ratio Lower Upper
131 100
133 97.6 47.3 141.9
119 65.6 31.6 94.8





#67

Ethyl Benzene

Concen: 22.142 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 91 Resp: 204880

Ion Ratio Lower Upper

91 100

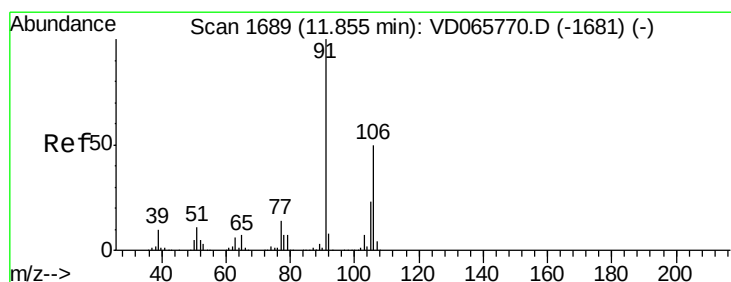
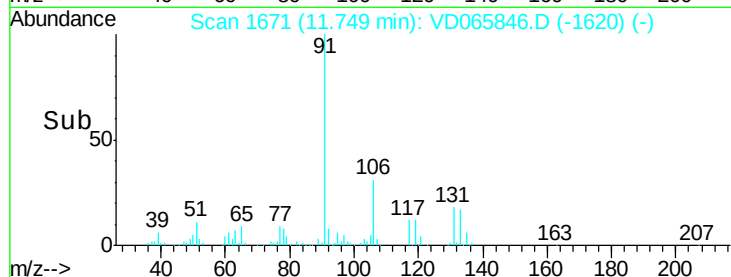
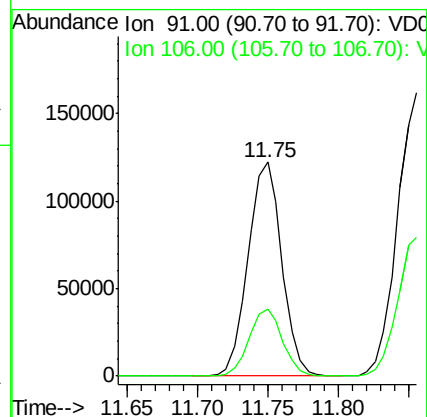
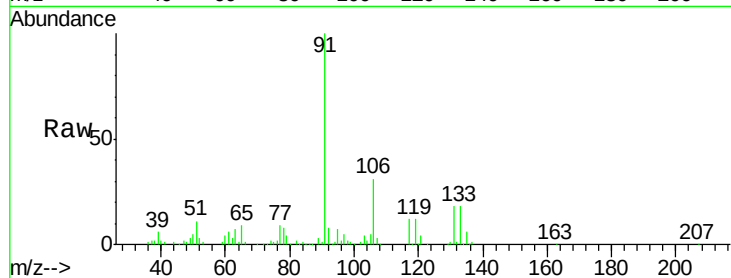
106 31.1 24.1 36.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 44.205 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD065846.D

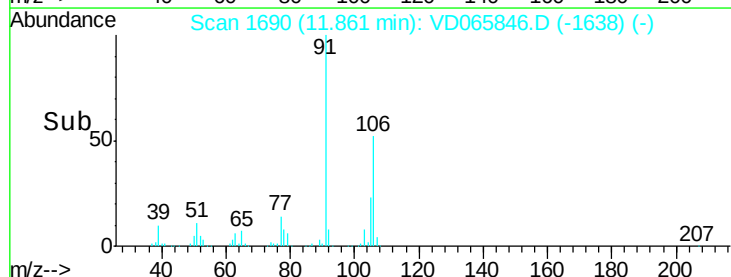
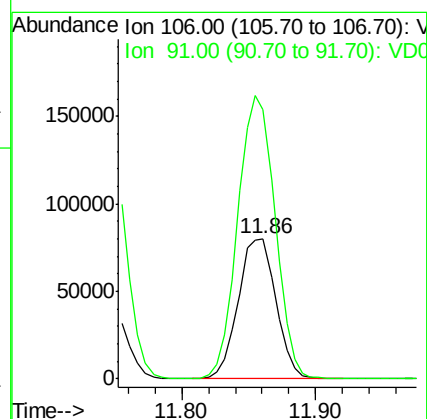
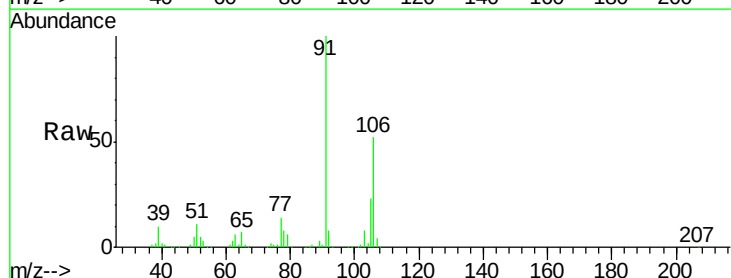
Acq: 22 Jun 2020 16:03

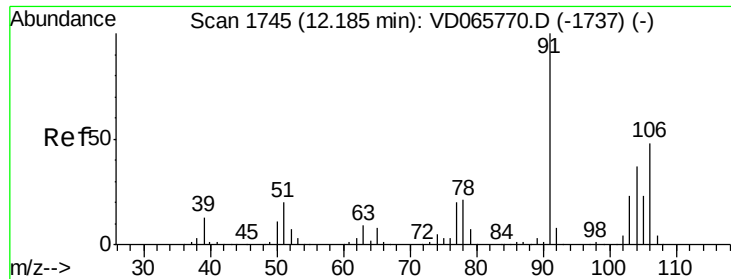
Tgt Ion: 106 Resp: 157548

Ion Ratio Lower Upper

106 100

91 199.3 159.4 239.2





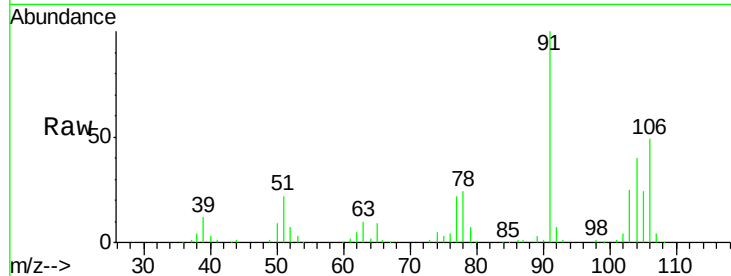
#69
o-Xylene
Concen: 22.024 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

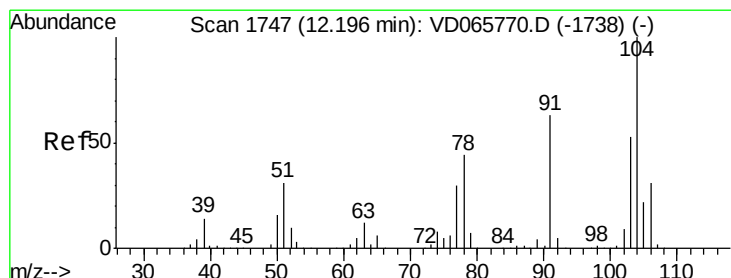
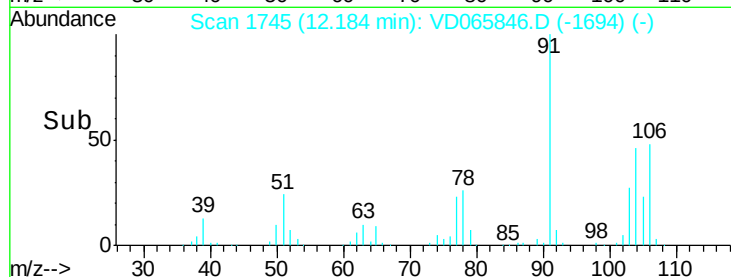
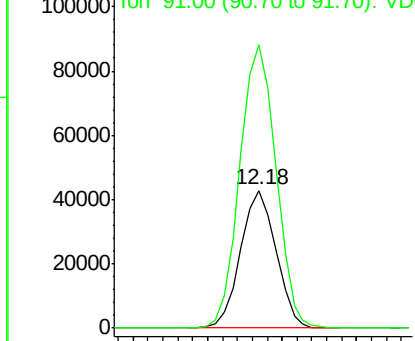
Tot Ion:106 Resp: 70772
Ion Ratio Lower Upper
106 100
91 209.6 105.3 315.8

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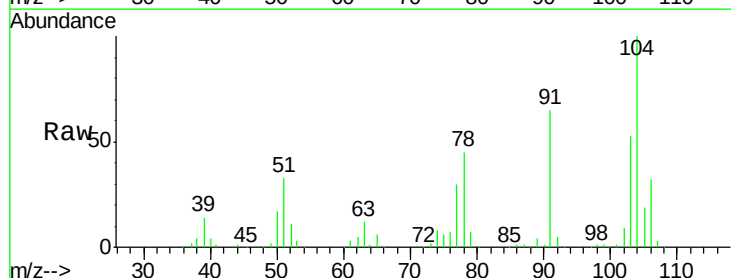


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

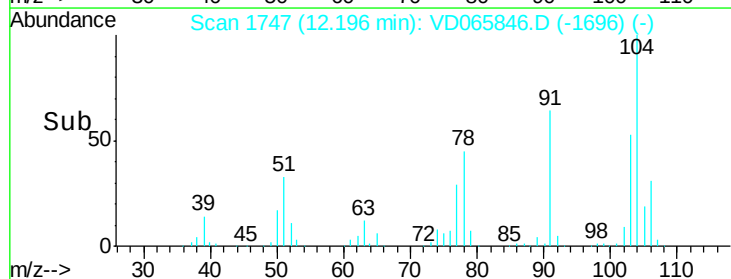
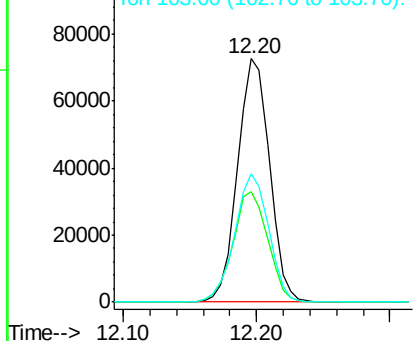


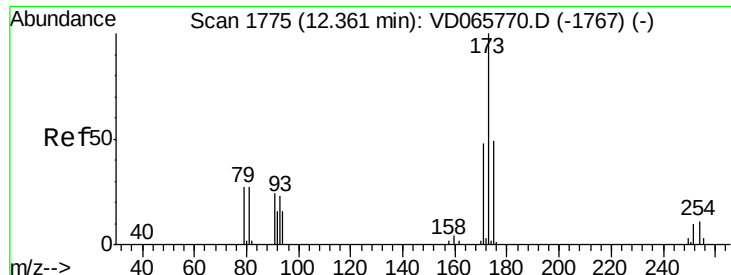
#70
Styrene
Concen: 21.624 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Tgt Ion:104 Resp: 120293
Ion Ratio Lower Upper
104 100
78 49.8 38.6 58.0
103 56.0 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.301 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion:173 Resp: 21584

Ion Ratio Lower Upper

173 100

175 46.5 24.8 74.4

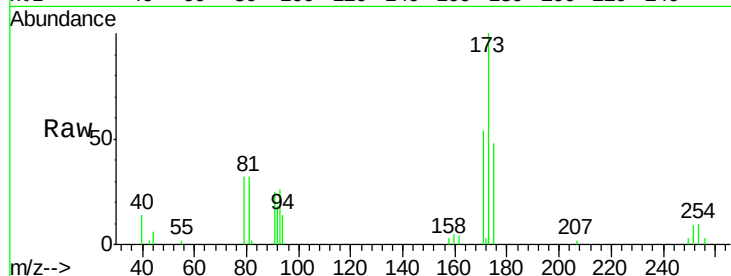
254 0.0 0.0 0.0

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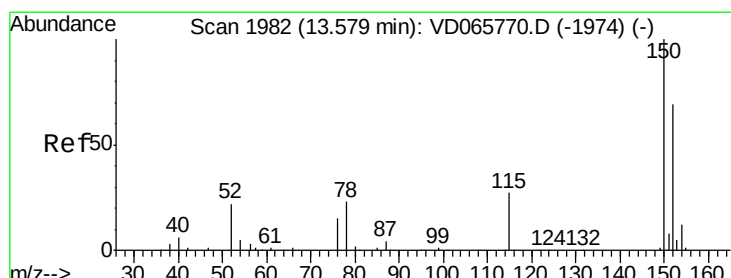
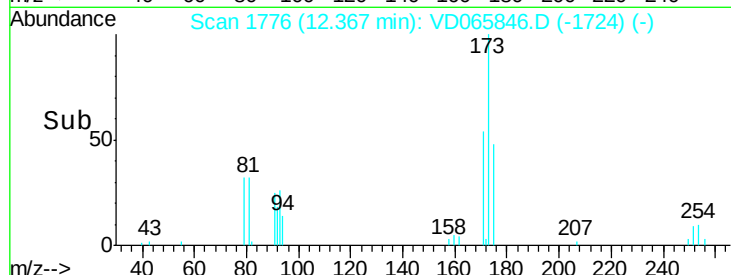
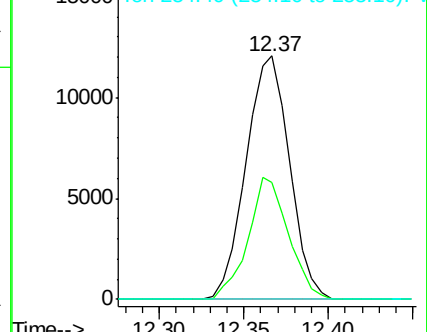
6/23/2020 11:02:21 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

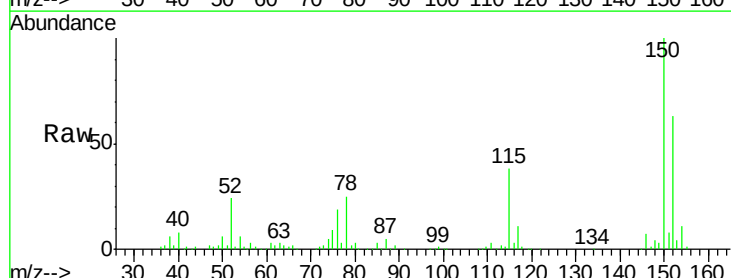
Tgt Ion:152 Resp: 131824

Ion Ratio Lower Upper

152 100

115 59.9 28.7 86.1

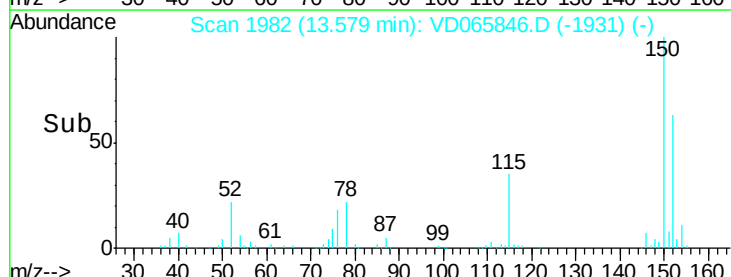
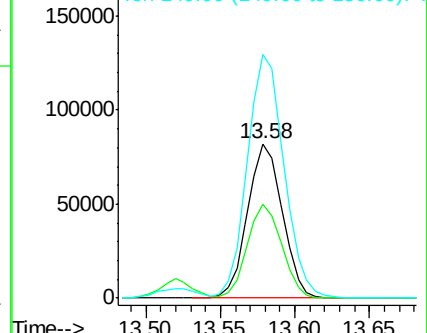
150 166.8 0.0 348.0

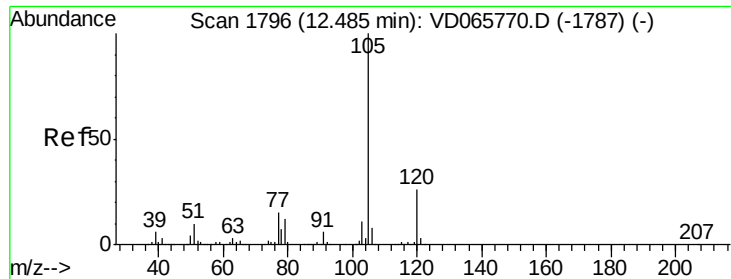


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





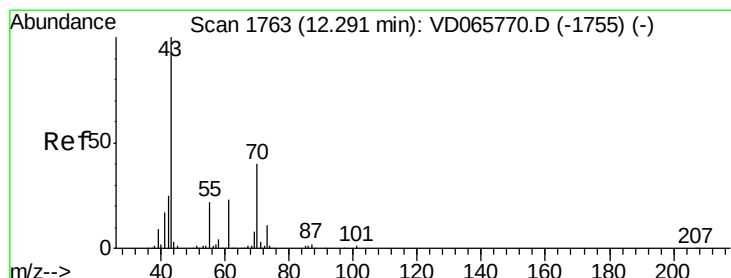
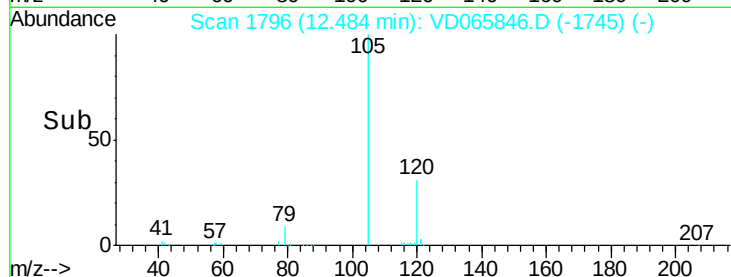
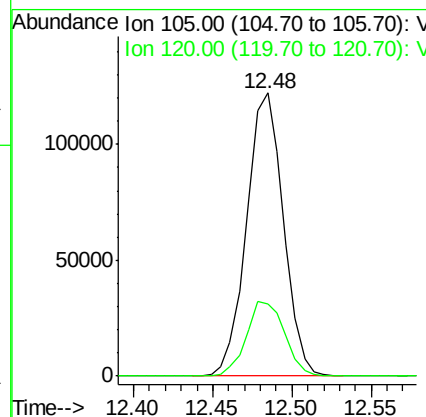
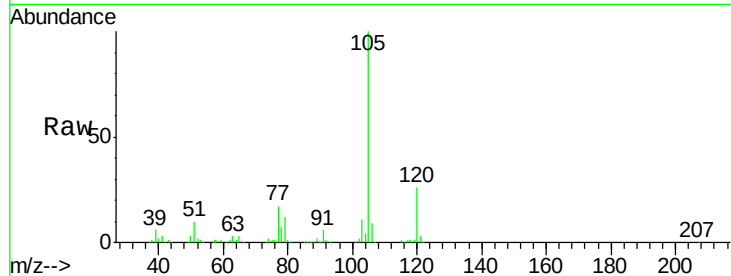
#73
Isopropylbenzene
Concen: 22.265 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	196787		
120	27.3	13.5	40.5	

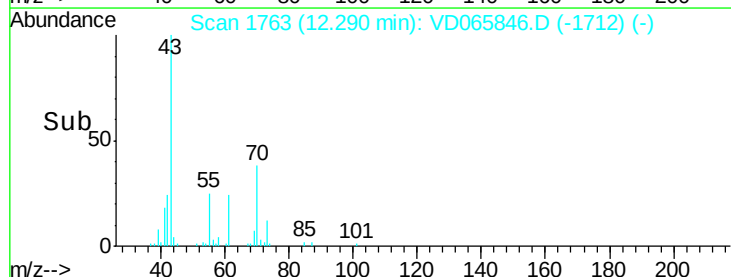
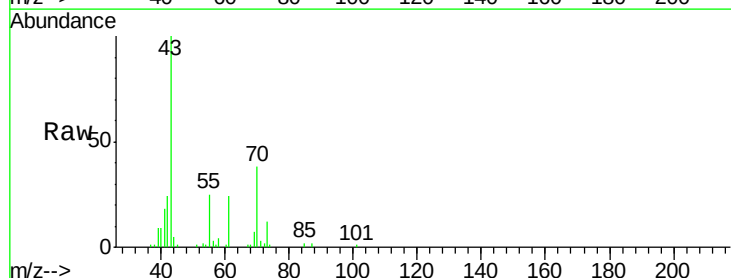
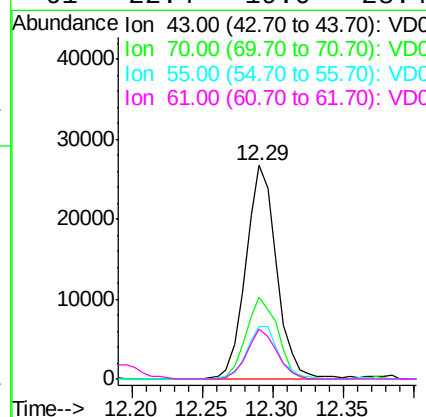
Manual Integrations
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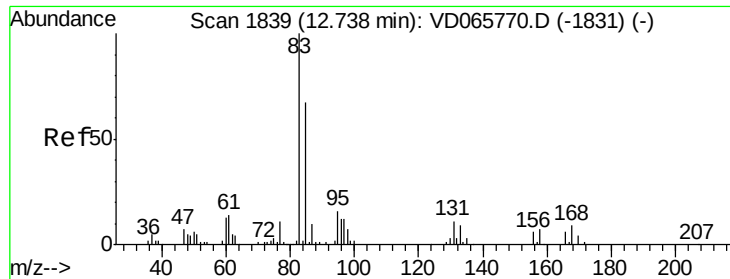
MMDadoda
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#74
N-ethyl acetate
Concen: 20.781 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	40863		
70	39.2	32.3	48.5	
55	25.4	19.0	28.4	
61	22.4	19.0	28.4	





#75

1,1,2,2-Tetrachloroethane

Concen: 21.701 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

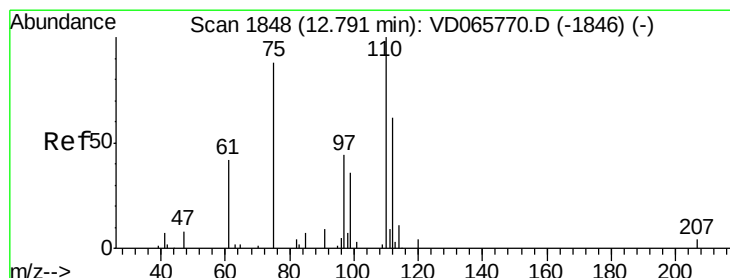
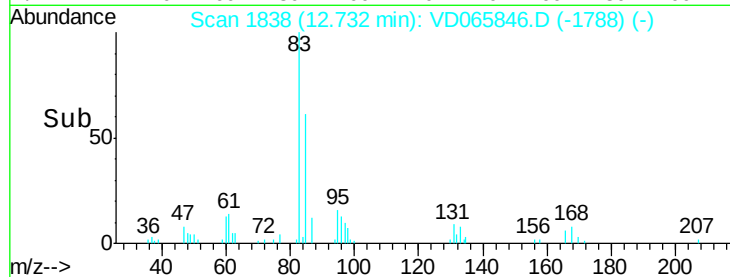
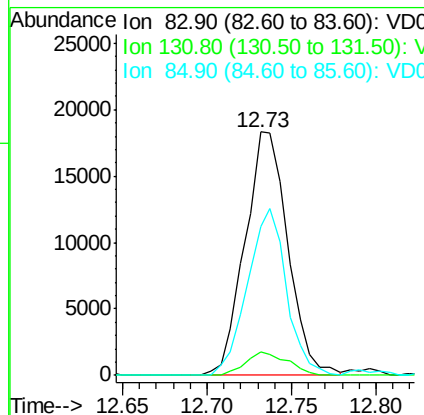
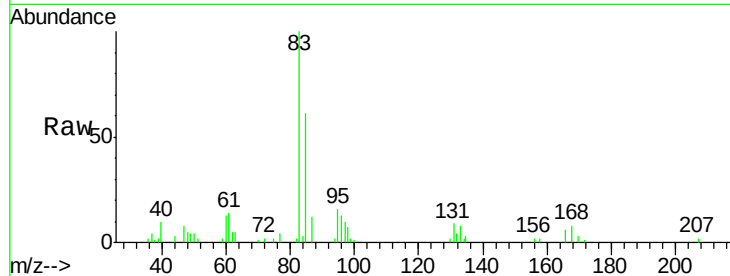
ClientSampleId :

VD0622SBSD01

Tot Ion:	83	Resp:	32392
Ion Ratio	Lower	Upper	
83	100		
131	9.3	5.5	16.4
85	62.3	32.5	97.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.769 ug/l m

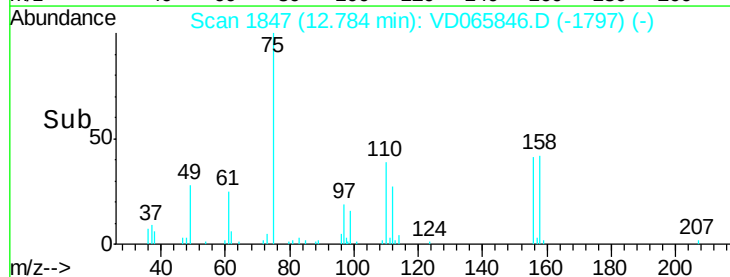
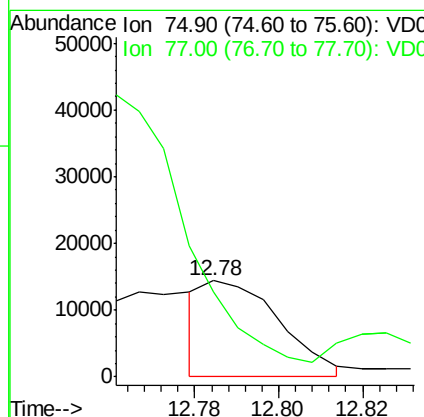
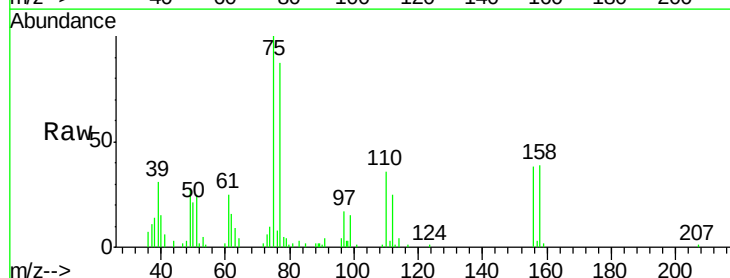
RT: 12.78 min Scan# 1847

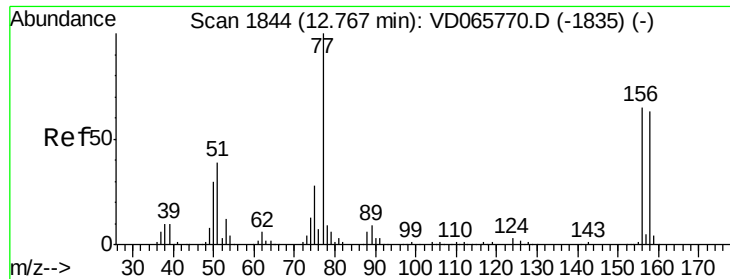
Delta R.T. -0.01 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Tgt Ion:	75	Resp:	18217
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.342 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion:156 Resp: 44629

Ion Ratio Lower Upper

156 100

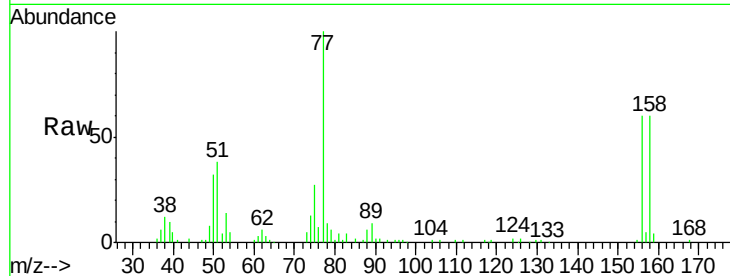
77 180.6 87.3 261.8

158 99.3 48.0 144.0

Manual Integrations
APPROVED

MMDadoda

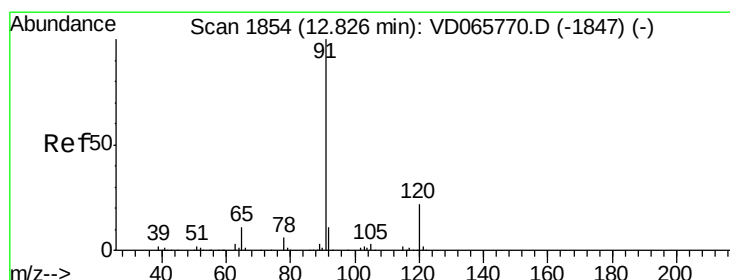
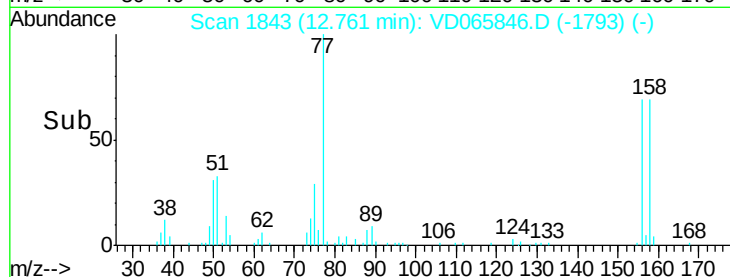
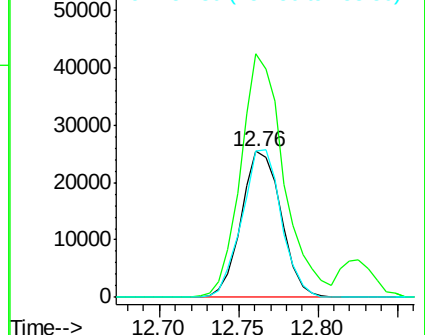
6/23/2020 11:02:21 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.464 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065846.D

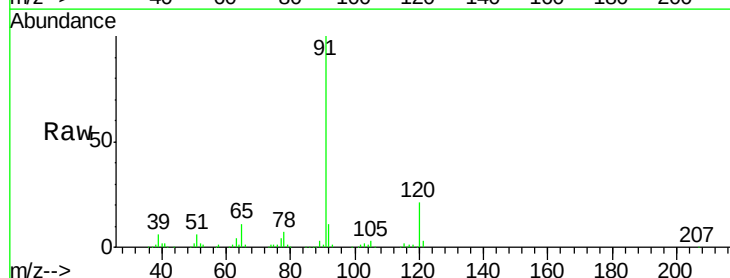
Acq: 22 Jun 2020 16:03

Tgt Ion: 91 Resp: 238988

Ion Ratio Lower Upper

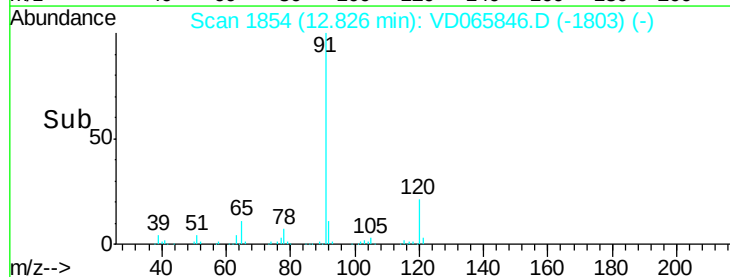
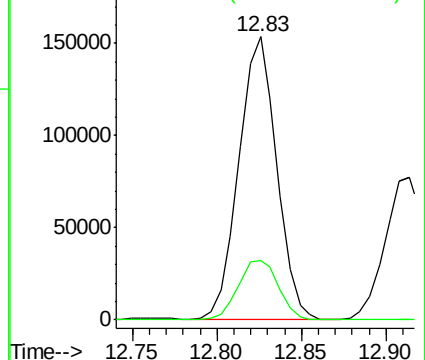
91 100

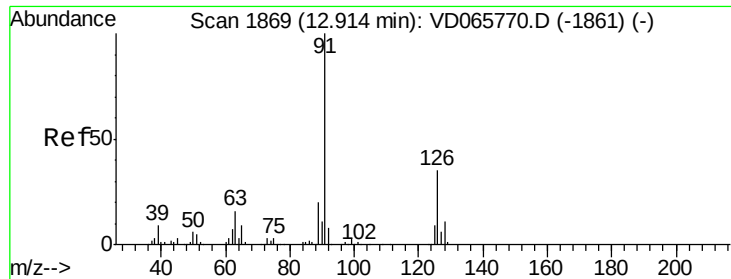
120 22.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





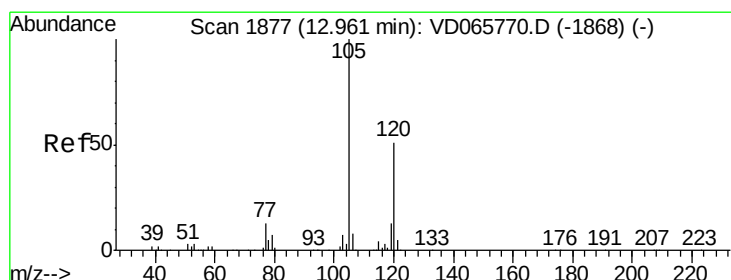
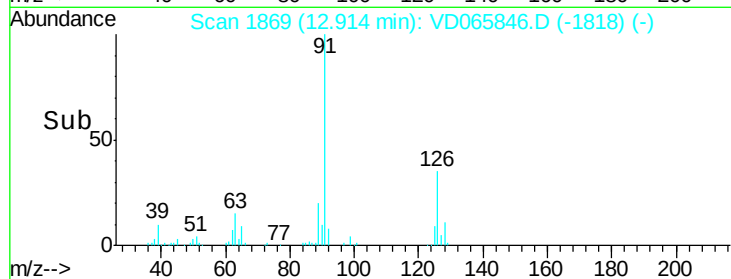
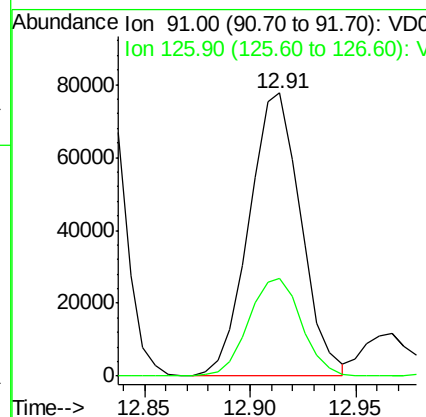
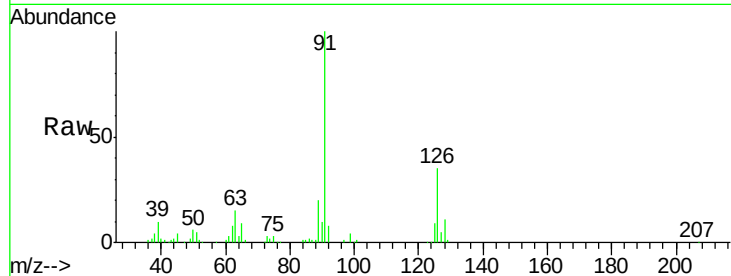
#79
2-Chlorotoluene
Concen: 22.669 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion: 91 Resp: 132301
Ion Ratio Lower Upper
91 100
126 35.3 17.5 52.6

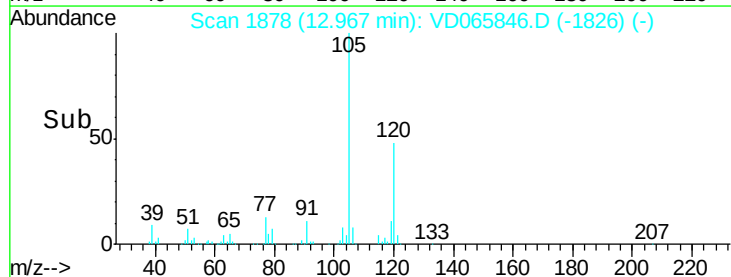
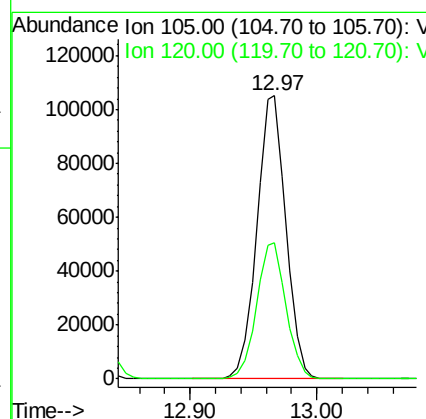
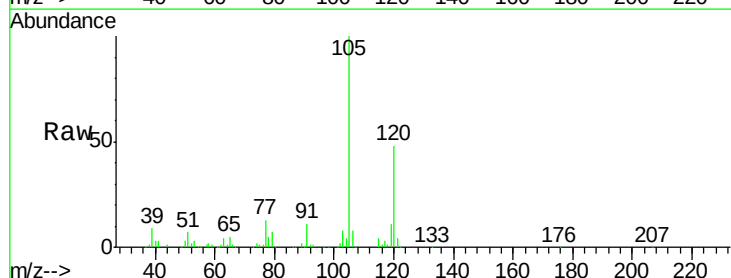
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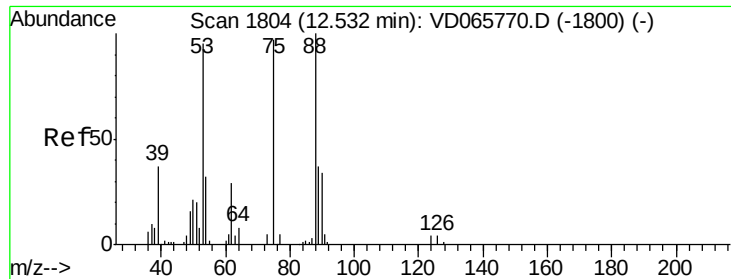
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 22.765 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Tgt Ion:105 Resp: 167433
Ion Ratio Lower Upper
105 100
120 48.6 25.4 76.0





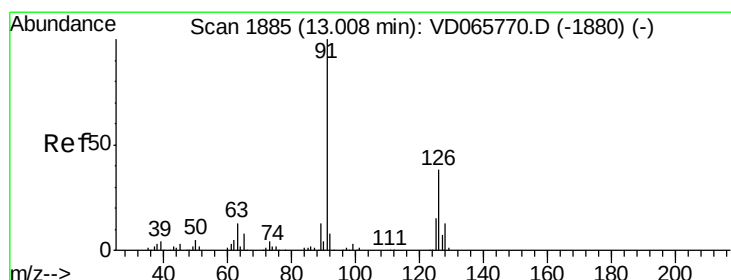
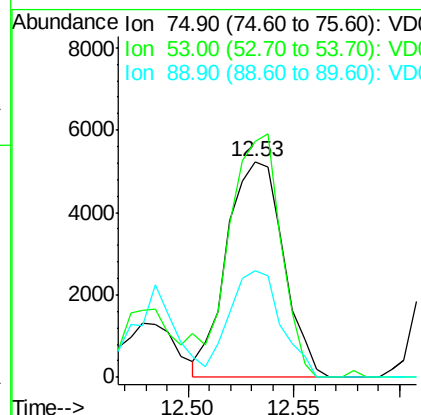
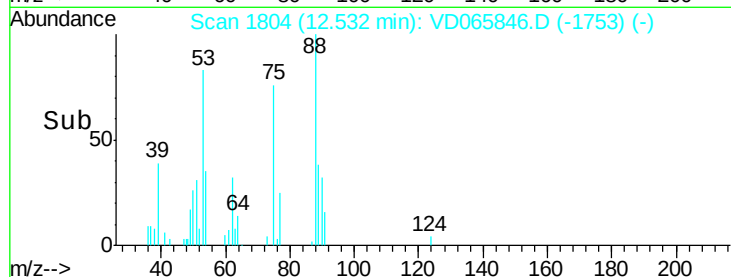
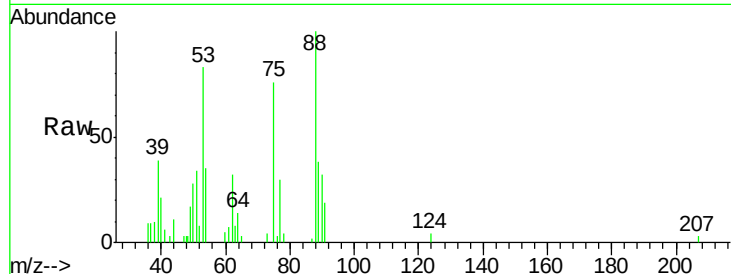
#81
trans-1,4-Dichloro-2-butene
Concen: 20.552 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.8	82.6	123.8
89	45.0	35.9	53.9

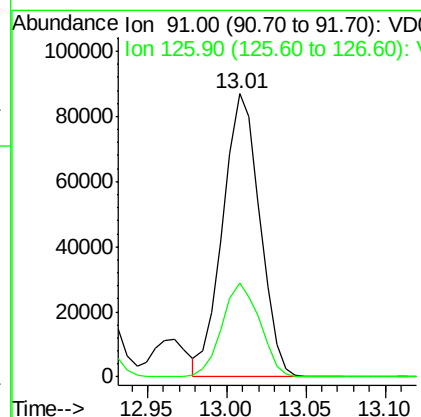
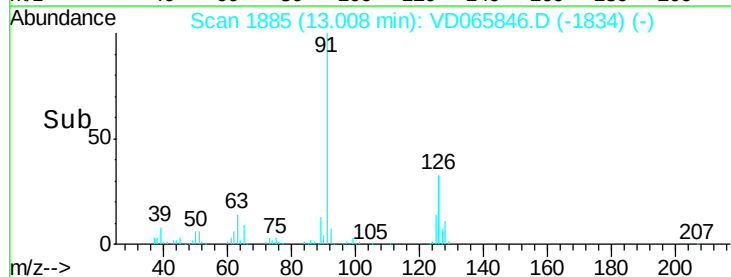
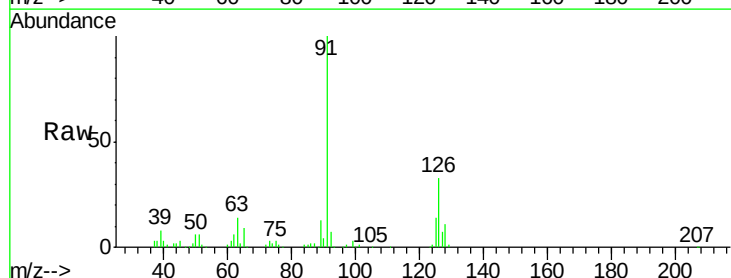
Manual Integrations
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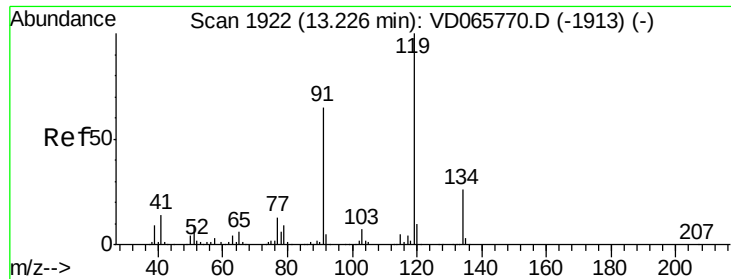
MMDadoda
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#82
4-Chlorotoluene
Concen: 22.582 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.6	52.8





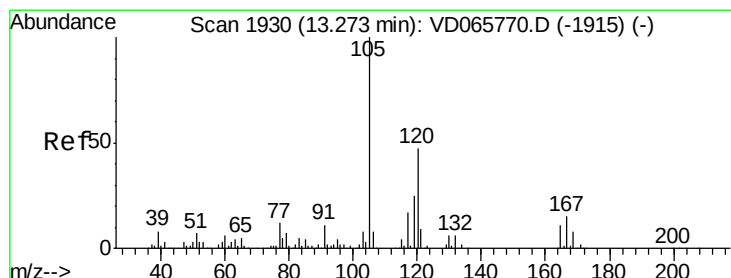
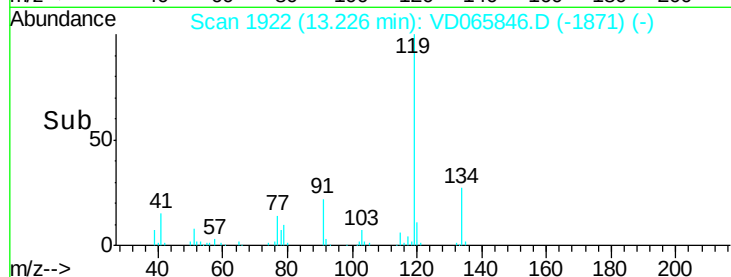
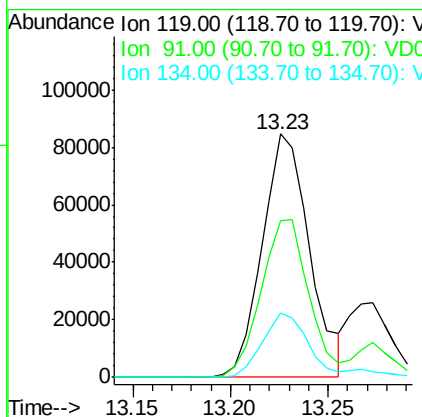
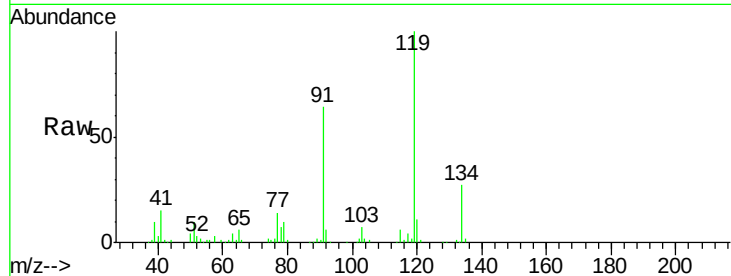
#83
 tert-Butylbenzene
 Concen: 22.318 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.0	96.0
134	27.5	13.8	41.4

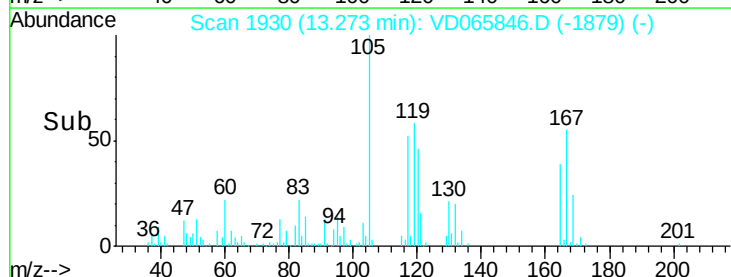
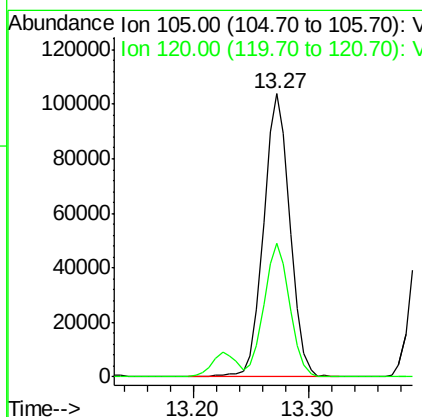
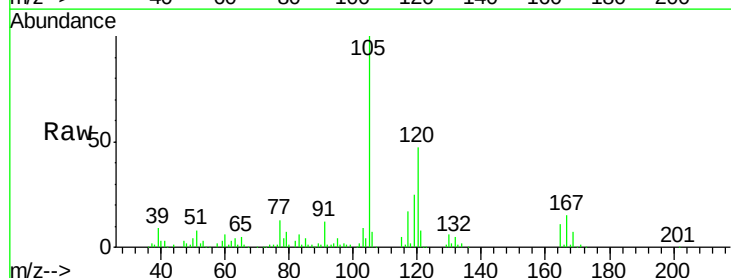
Manual Integrations
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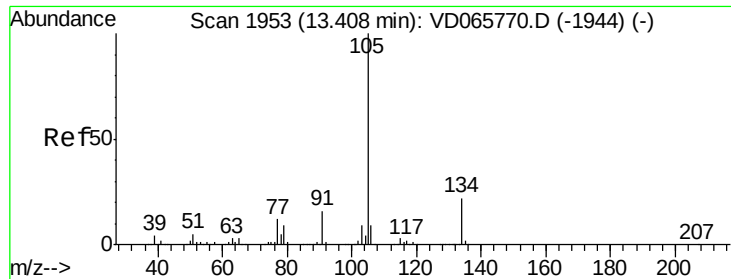
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.426 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.3	69.8





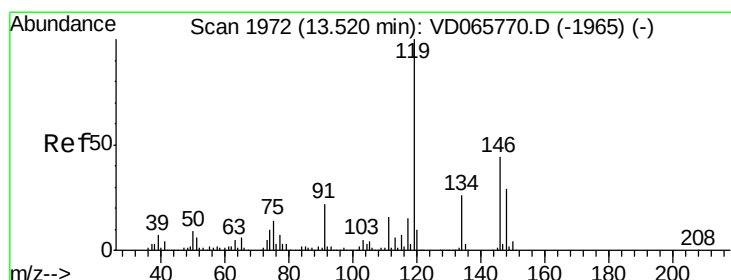
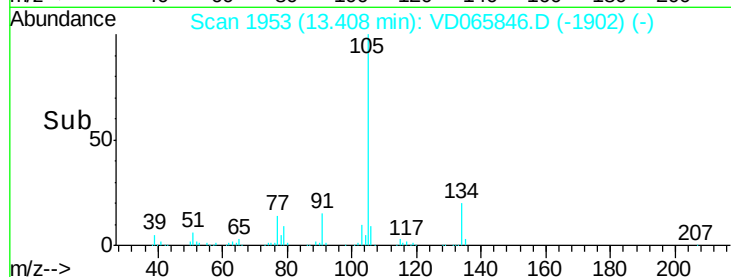
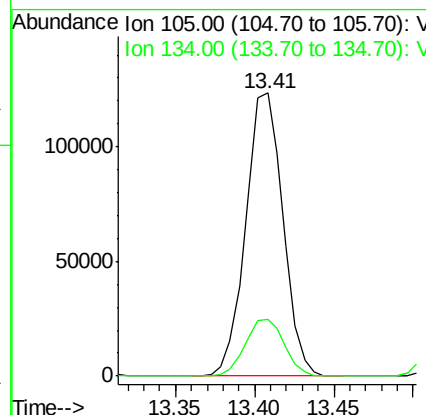
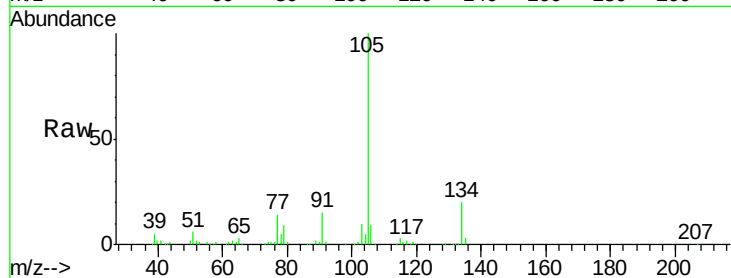
#85
 sec-Butylbenzene
 Concen: 22.677 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.4	31.4

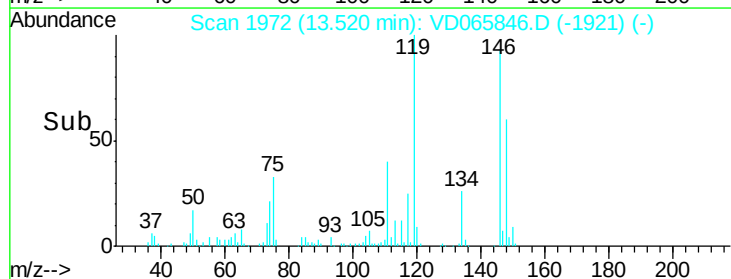
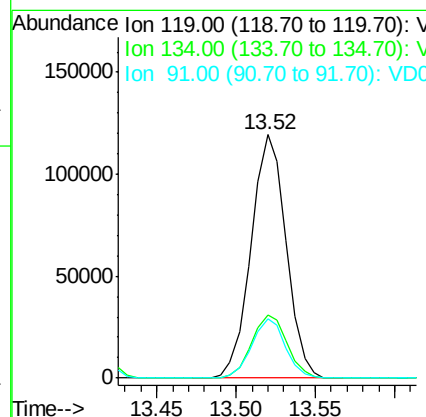
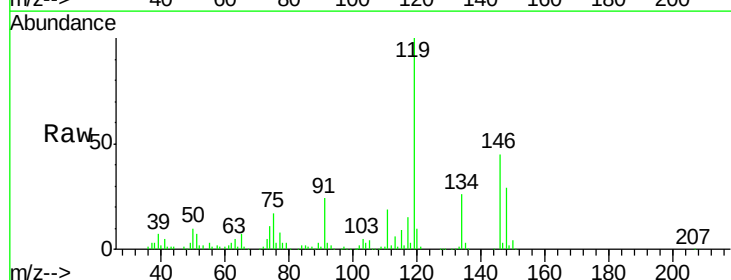
Manual Integrations
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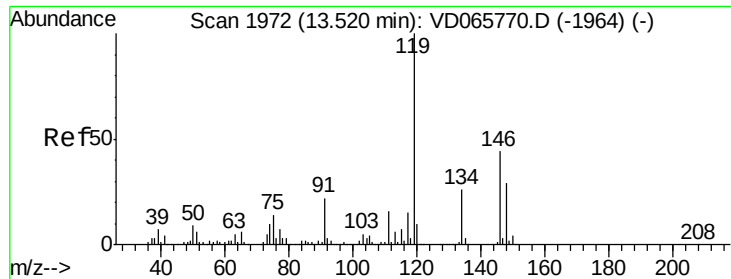
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 6/23/2020 11:02:21 AM



#86
 p-Isopropyltoluene
 Concen: 22.538 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.3	39.9
91	23.4	11.8	35.4





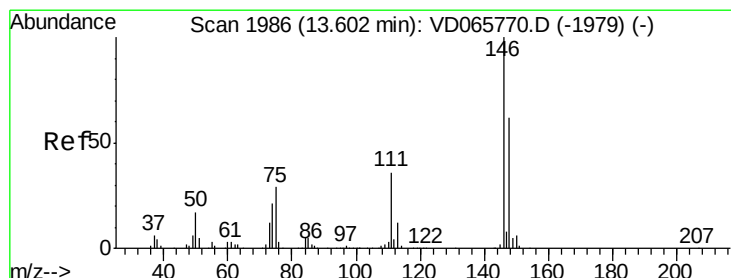
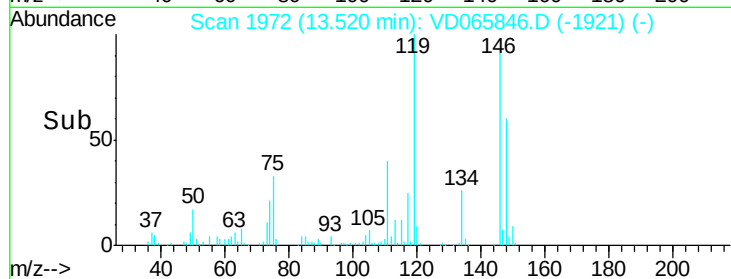
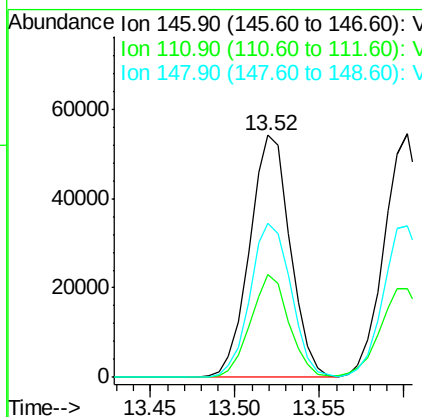
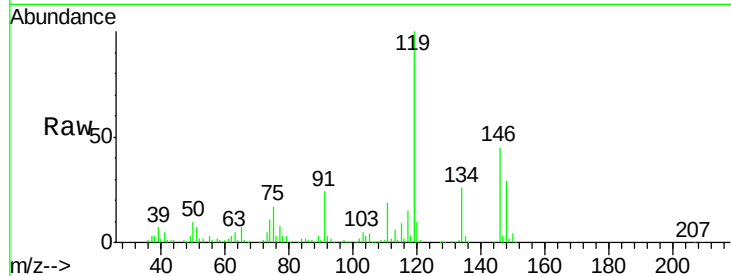
#87
 1,3-Dichlorobenzene
 Concen: 21.958 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.2	57.6
148	64.0	32.1	96.3

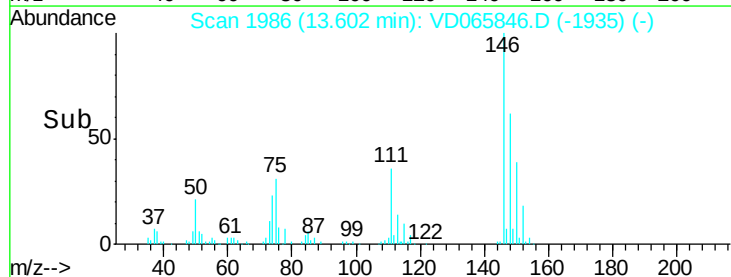
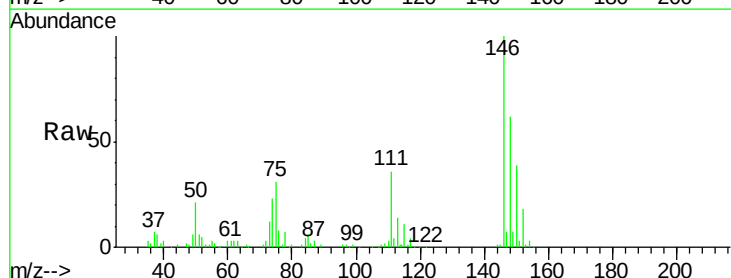
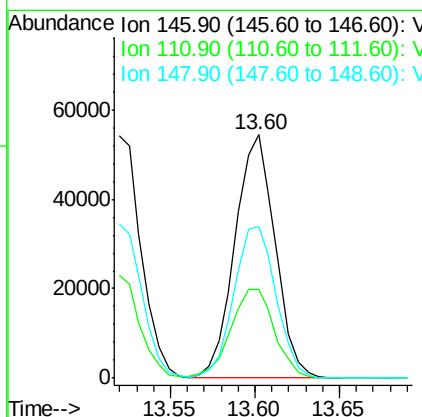
Manual Integrations
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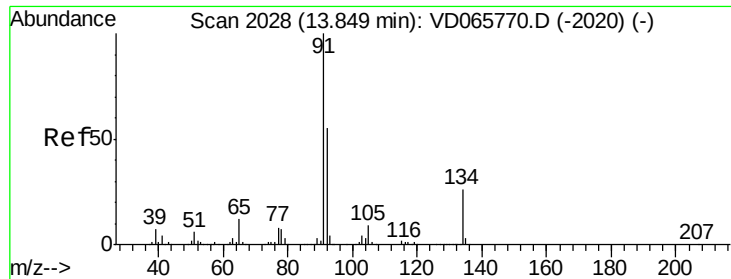
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#88
 1,4-Dichlorobenzene
 Concen: 22.014 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	18.9	56.7
148	64.7	31.6	94.7





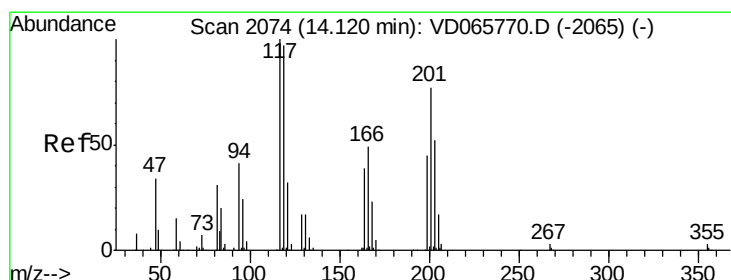
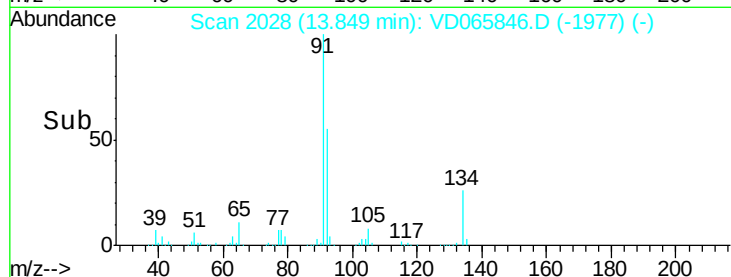
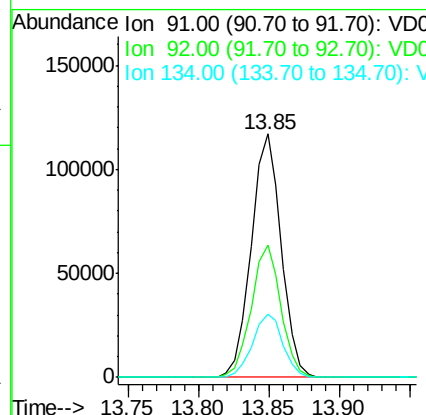
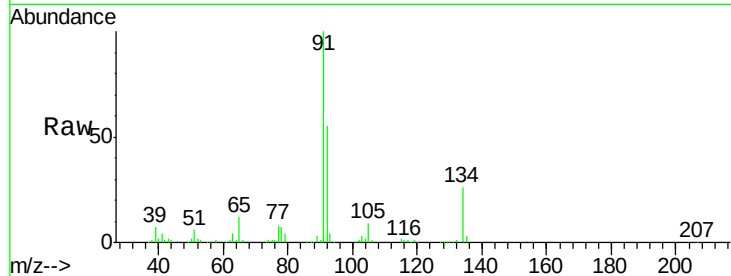
#89
n-Butylbenzene
Concen: 22.392 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.0	81.0
134	26.4	13.0	39.0

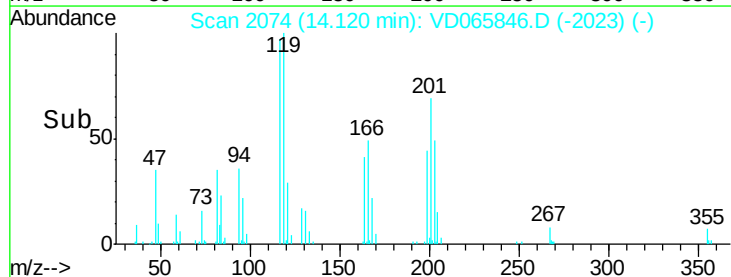
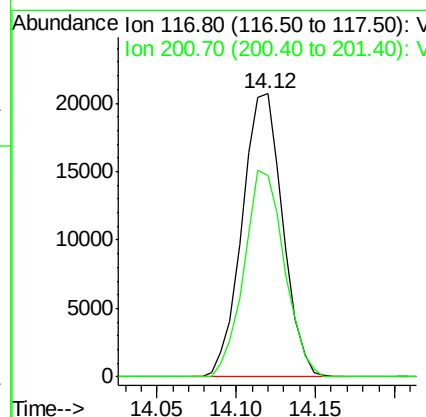
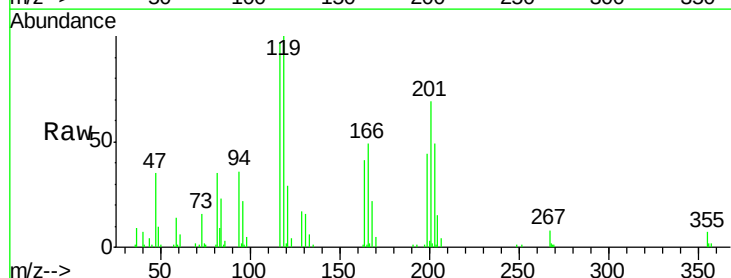
Manual Integrations
APPROVED

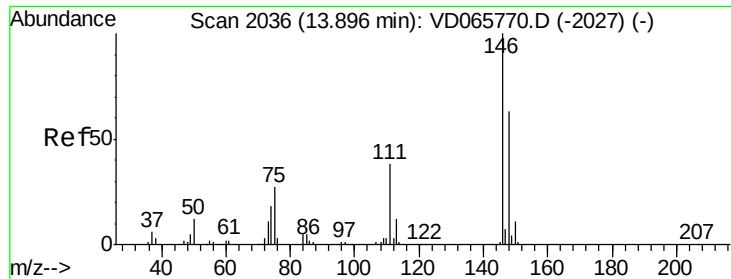
MMDadoda
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#90
Hexachloroethane
Concen: 22.599 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.3	37.1	111.5





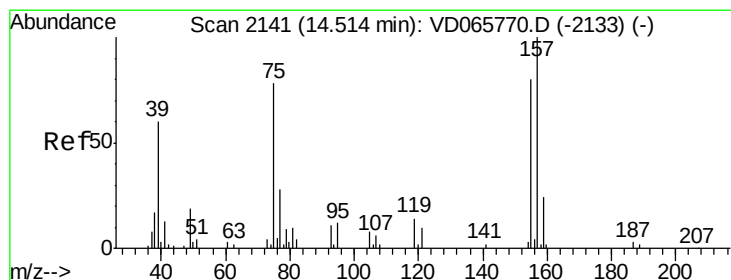
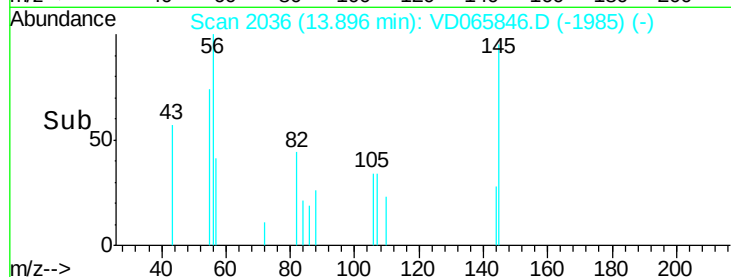
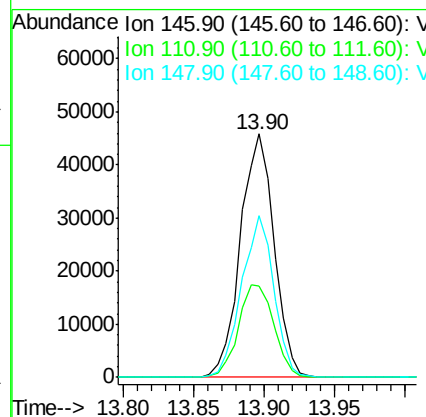
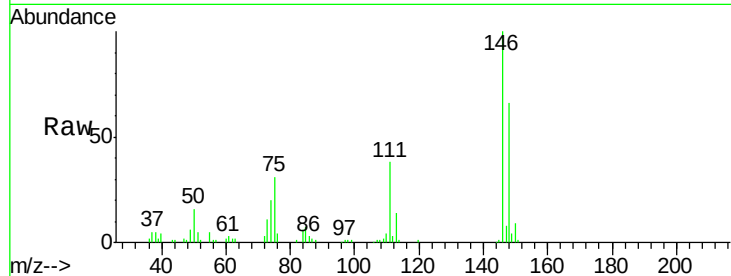
#91
 1,2-Dichlorobenzene
 Concen: 21.609 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.8	59.4
148	63.7	31.9	95.7

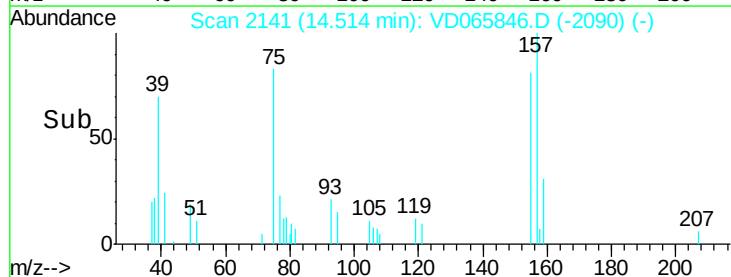
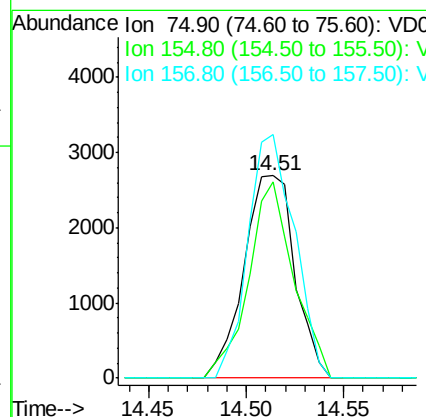
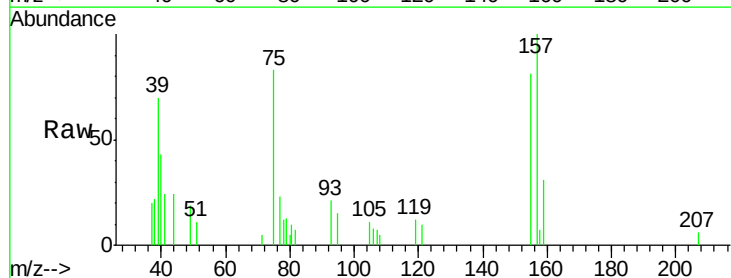
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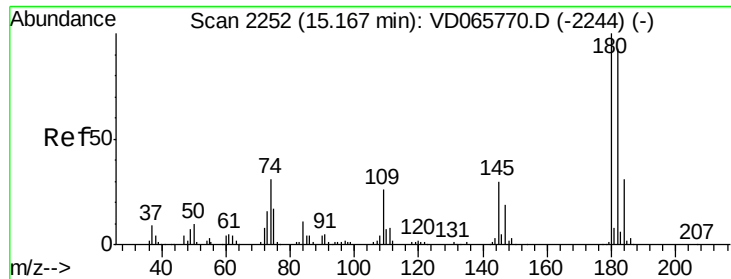
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.584 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.3	46.3	138.9
157	109.5	58.1	174.3





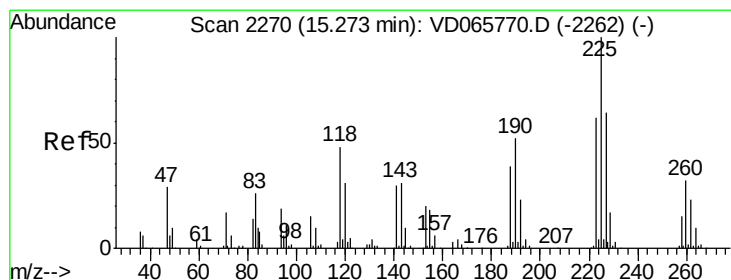
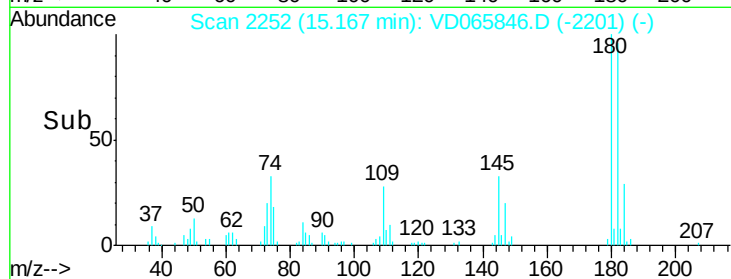
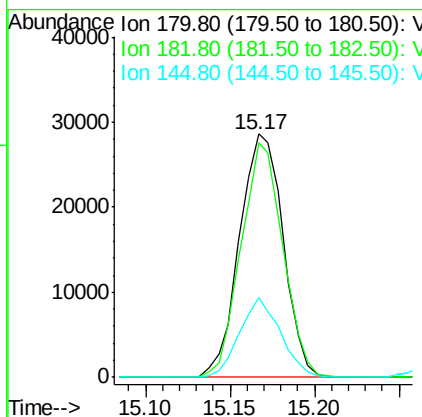
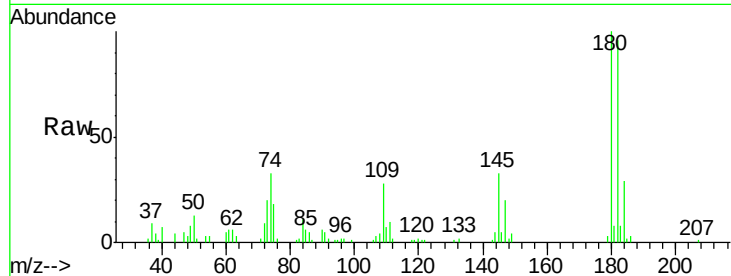
#93
 1,2,4-Trichlorobenzene
 Concen: 21.247 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	48.0	144.2
145	30.6	14.9	44.9

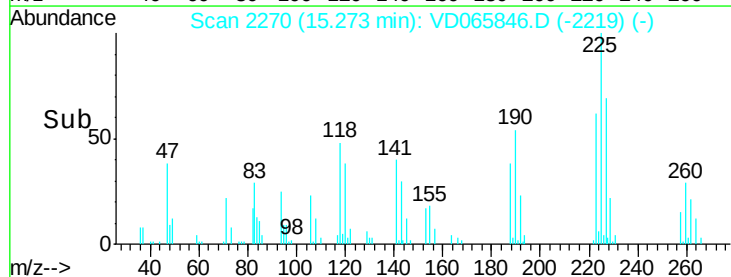
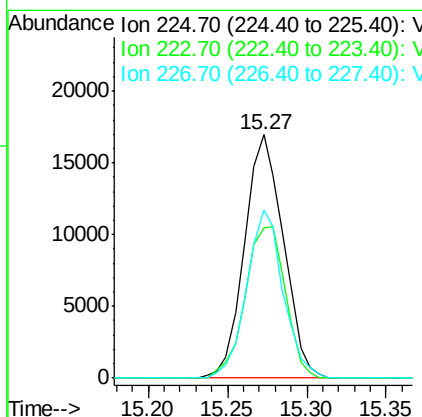
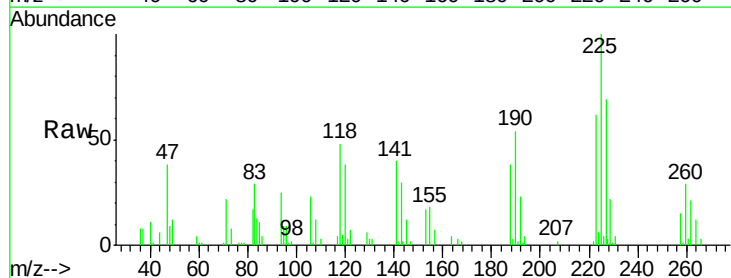
Manual Integrations
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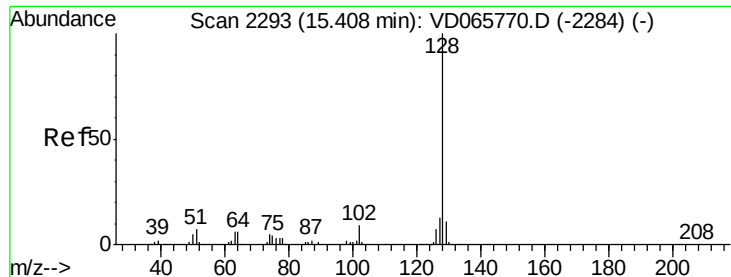
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#94
 Hexachlorobutadiene
 Concen: 19.847 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	30.9	92.7
227	65.1	31.9	95.7





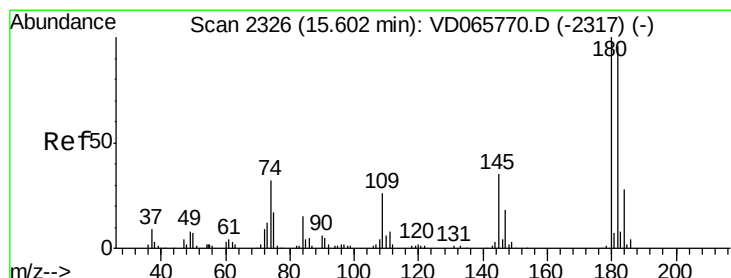
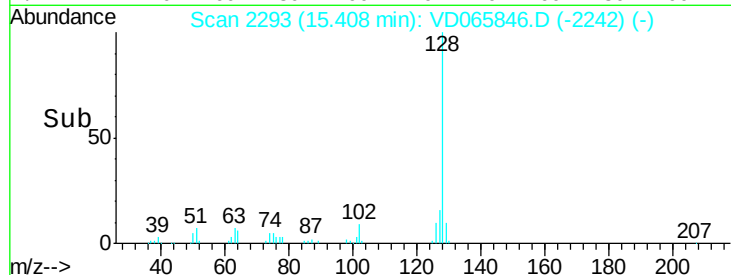
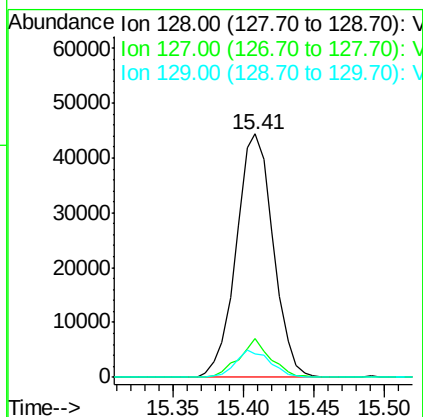
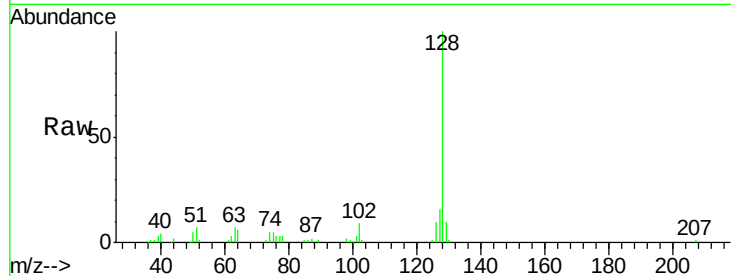
#95
Naphthalene
Concen: 19.798 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.7	16.1
129	10.5	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.031 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.0	141.2
145	32.8	16.2	48.6

