

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011720\
 Data File : VD064864.D
 Acq On : 17 Jan 2020 15:44
 Operator : VA/SY
 Sample : VD0117SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/20/2020 11:14:29 AM

Quant Time: Jan 17 23:39:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	359500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	516453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	454147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	227135	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	167711	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
35) Dibromofluoromethane	7.92	113	168754	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
50) Toluene-d8	10.34	98	629970	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
62) 4-Bromofluorobenzene	12.64	95	201054	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	58029	20.770	ug/l	99
3) Chloromethane	2.21	50	88435	22.633	ug/l	99
4) Vinyl Chloride	2.35	62	103208	21.664	ug/l	94
5) Bromomethane	2.76	94	71930	20.765	ug/l	95
6) Chloroethane	2.92	64	69986	21.924	ug/l	99
7) Trichlorofluoromethane	3.27	101	171870	21.426	ug/l	97
8) Diethyl Ether	3.70	74	35733	22.432	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	81062	24.401	ug/l	98
10) Methyl Iodide	4.30	142	73772	20.673	ug/l	97
11) Tert butyl alcohol	5.24	59	22274	122.603	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	72830	23.027	ug/l	97
13) Acrolein	3.93	56	19135	75.575	ug/l	91
14) Allyl chloride	4.71	41	117717	23.872	ug/l	98
15) Acrylonitrile	5.43	53	77349	116.575	ug/l	99
16) Acetone	4.16	43	79071	113.343	ug/l	98
17) Carbon Disulfide	4.40	76	217119	21.230	ug/l	98
18) Methyl Acetate	4.73	43	43136	24.170	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	161828	23.036	ug/l	92
20) Methylene Chloride	4.96	84	96555	27.591	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	83229	23.106	ug/l	98
22) Diisopropyl ether	6.37	45	236567	24.052	ug/l	96
23) Vinyl Acetate	6.31	43	653389	117.106	ug/l	99
24) 1,1-Dichloroethane	6.27	63	144609	24.490	ug/l	97
25) 2-Butanone	7.23	43	105133	120.653	ug/l	95
26) 2,2-Dichloropropane	7.21	77	129761	23.636	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	90716	23.336	ug/l	98
28) Bromochloromethane	7.55	49	50652	22.067	ug/l	94
29) Tetrahydrofuran	7.57	42	64141	118.367	ug/l	97
30) Chloroform	7.71	83	151155	24.399	ug/l	97
31) Cyclohexane	7.99	56	131144	22.188	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	140163	24.088	ug/l	100
36) 1,1-Dichloropropene	8.11	75	115821	23.300	ug/l	99
37) Ethyl Acetate	7.30	43	45883	23.496	ug/l	98
38) Carbon Tetrachloride	8.10	117	126744	23.912	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	138184	22.952	ug/l	99
40) Benzene	8.36	78	321750	23.711	ug/l	99
41) Methacrylonitrile	7.53	41	24854	21.936	ug/l	90
42) 1,2-Dichloroethane	8.43	62	98193	25.041	ug/l	97
43) Isopropyl Acetate	8.46	43	86916	22.361	ug/l	96
44) Trichloroethene	9.11	130	92962	23.320	ug/l	98
45) 1,2-Dichloropropane	9.39	63	79283	24.470	ug/l	99
46) Dibromomethane	9.48	93	43272	23.955	ug/l	99
47) Bromodichloromethane	9.67	83	114931	23.910	ug/l	94
48) Methyl methacrylate	9.46	41	41897	22.892	ug/l	95
49) 1,4-Dioxane	9.47	88	9128	438.234	ug/l	95
51) 4-Methyl-2-Pentanone	10.24	43	222653	115.892	ug/l	98
52) Toluene	10.41	92	212621	23.882	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	106716	23.813	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	128608	24.338	ug/l	95
55) 1,1,2-Trichloroethane	10.81	97	57882	23.776	ug/l	94
56) Ethyl methacrylate	10.67	69	69115	22.733	ug/l	97
57) 1,3-Dichloropropane	10.95	76	100462	23.967	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	146476	126.455	ug/l	99
59) 2-Hexanone	10.99	43	153866	117.999	ug/l	97
60) Dibromochloromethane	11.14	129	80204	23.824	ug/l	98
61) 1,2-Dibromoethane	11.25	107	57089	23.776	ug/l	98
64) Tetrachloroethene	10.88	164	80163	23.008	ug/l	95
65) Chlorobenzene	11.67	112	224669	23.836	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	83232	23.423	ug/l	98
67) Ethyl Benzene	11.75	91	397524	23.236	ug/l	98
68) m/p-Xylenes	11.86	106	302253	45.772	ug/l	96
69) o-Xylene	12.18	106	137279	23.016	ug/l	99
70) Styrene	12.20	104	243235	23.233	ug/l	99
71) Bromoform	12.37	173	47187	23.286	ug/l #	97
73) Isopropylbenzene	12.48	105	371634	22.896	ug/l	99
74) N-amyl acetate	12.30	43	77380	22.301	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	61760	24.221	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	39778m	22.178	ug/l	
77) Bromobenzene	12.77	156	91181	22.862	ug/l	99
78) n-propylbenzene	12.83	91	447453	23.630	ug/l	100
79) 2-Chlorotoluene	12.91	91	249975	24.031	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	312186	23.414	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	19141	22.320	ug/l	94
82) 4-Chlorotoluene	13.01	91	260093	23.495	ug/l	99
83) tert-Butylbenzene	13.23	119	269106	23.245	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	308019	23.196	ug/l	98
85) sec-Butylbenzene	13.41	105	380774	23.992	ug/l	98
86) p-Isopropyltoluene	13.53	119	345084	22.739	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	173343	22.799	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	176873	23.681	ug/l	97
89) n-Butylbenzene	13.85	91	320041	23.418	ug/l	98
90) Hexachloroethane	14.12	117	68644	23.679	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	148358	22.883	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9316	22.537	ug/l	93

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ClientSampleId :
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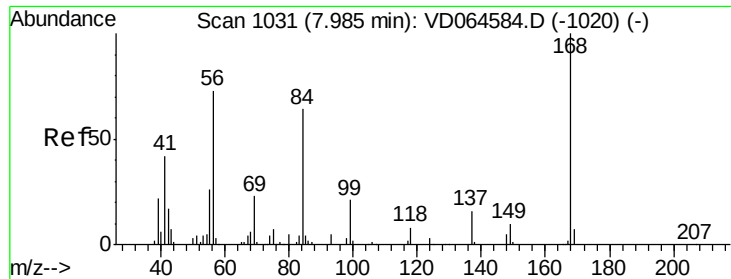
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	106386	22.286	ug/l	98
94) Hexachlorobutadiene	15.28	225	67739	22.550	ug/l	98
95) Naphthalene	15.41	128	161109	21.333	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	91630	22.484	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064864.D

Acq: 17 Jan 2020 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

Tot Ion:168 Resp: 359500

Ion Ratio Lower Upper

168 100

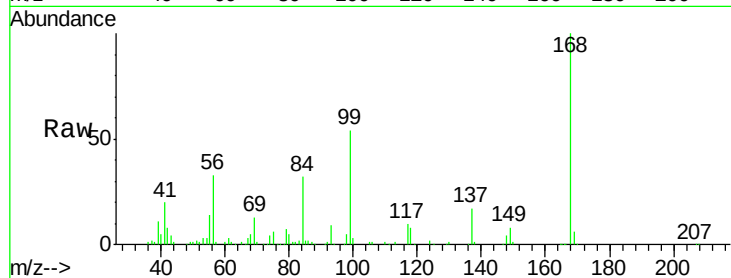
99 53.5 41.8 62.6

Manual Integrations

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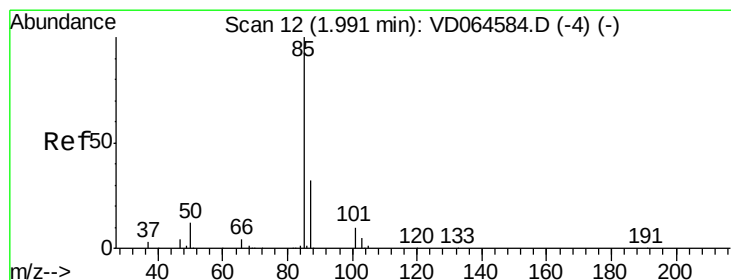
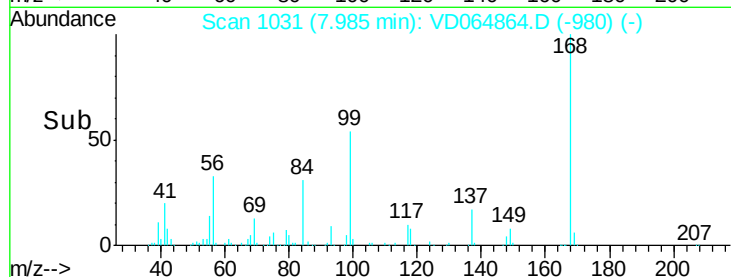
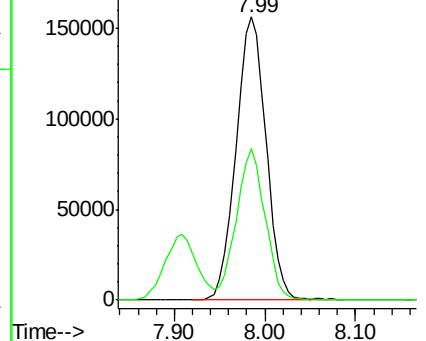
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.770 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064864.D

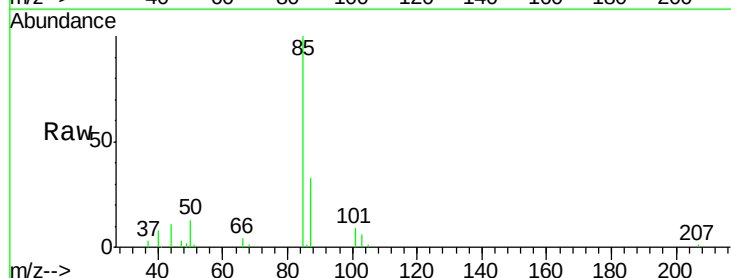
Acq: 17 Jan 2020 15:44

Tgt Ion: 85 Resp: 58029

Ion Ratio Lower Upper

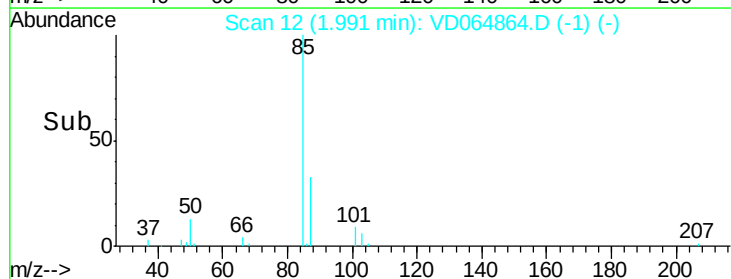
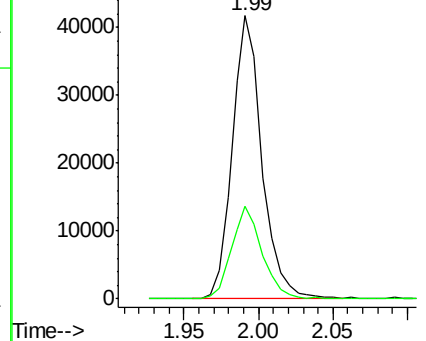
85 100

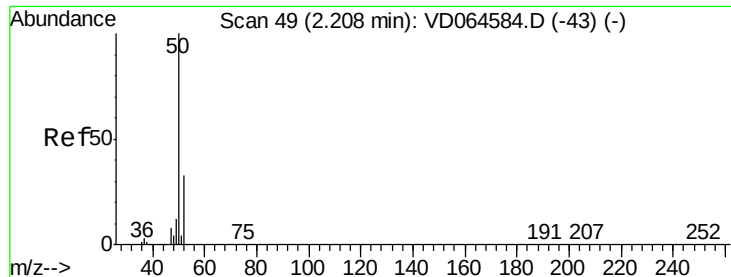
87 32.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.633 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064864.D

Acq: 17 Jan 2020 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

Tot Ion: 50 Resp: 88435

Ion Ratio Lower Upper

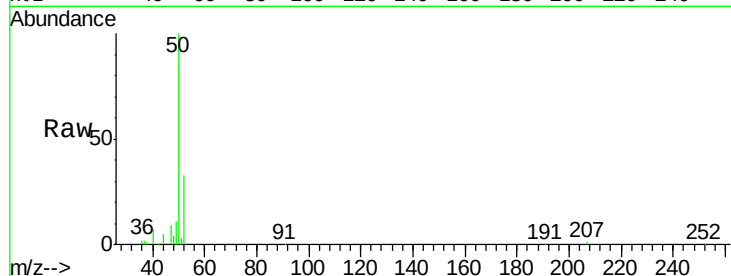
50 100

52 32.8 26.5 39.7

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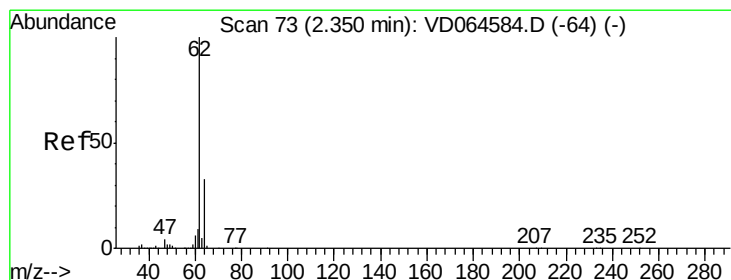
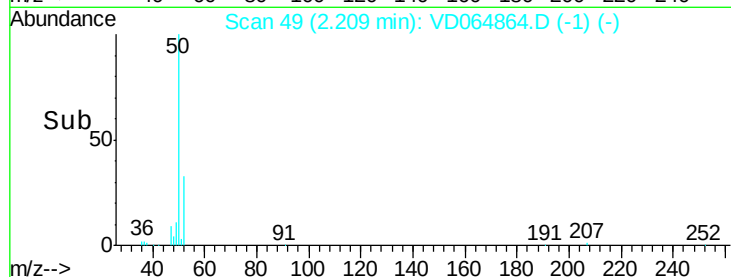
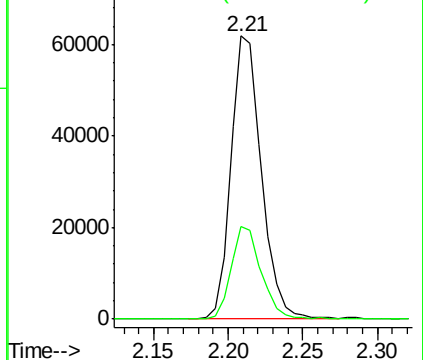
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.664 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064864.D

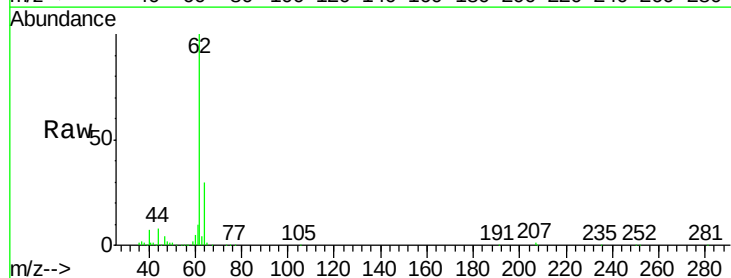
Acq: 17 Jan 2020 15:44

Tgt Ion: 62 Resp: 103208

Ion Ratio Lower Upper

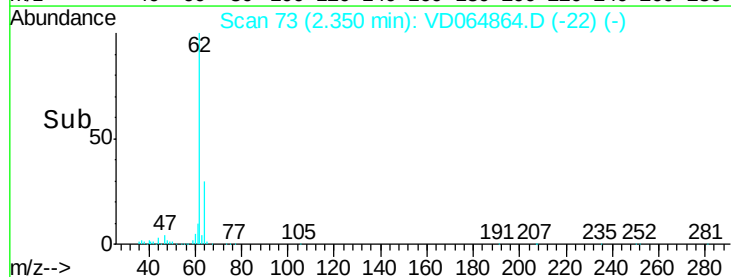
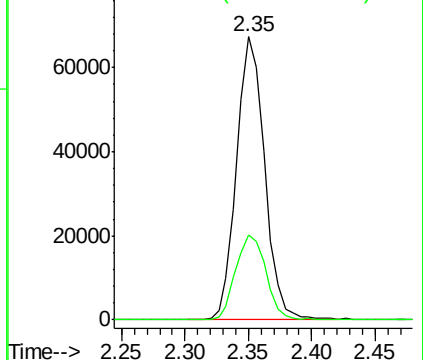
62 100

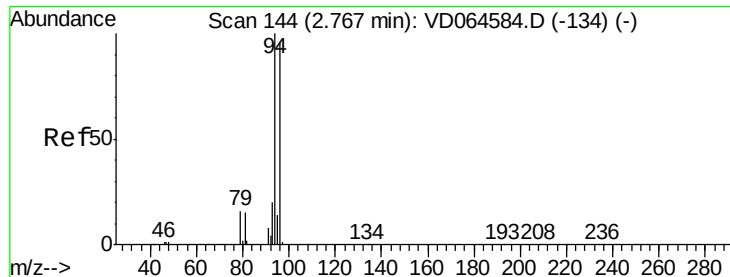
64 30.0 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.765 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064864.D

Acq: 17 Jan 2020 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

Tot Ion: 94 Resp: 71930

Ion Ratio Lower Upper

94 100

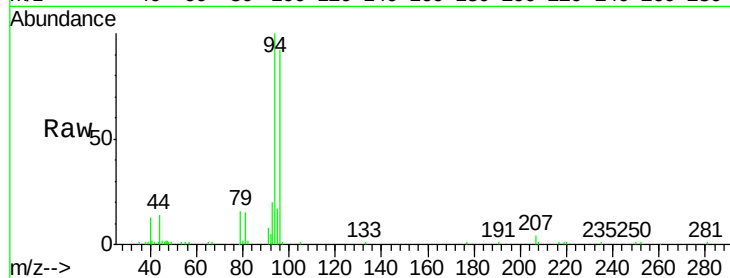
96 91.4 77.2 115.8

Manual Integrations

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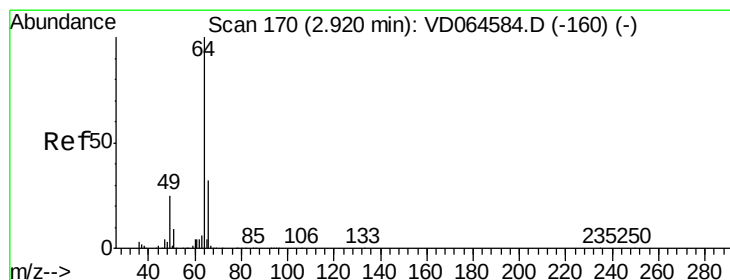
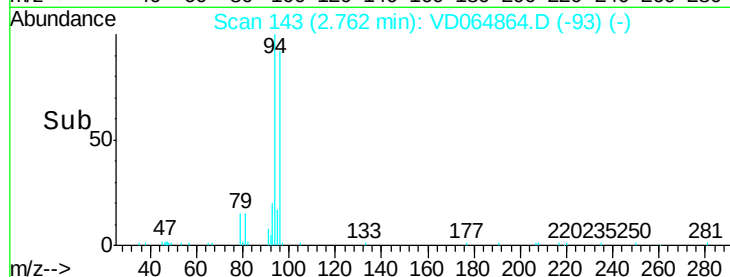
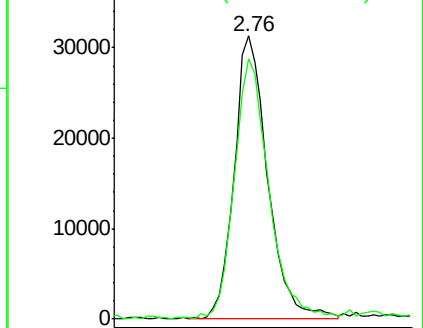
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.924 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064864.D

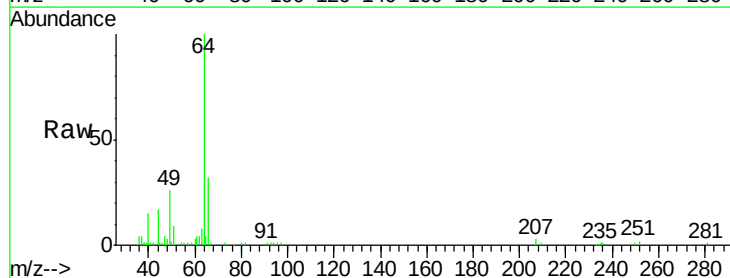
Acq: 17 Jan 2020 15:44

Tgt Ion: 64 Resp: 69986

Ion Ratio Lower Upper

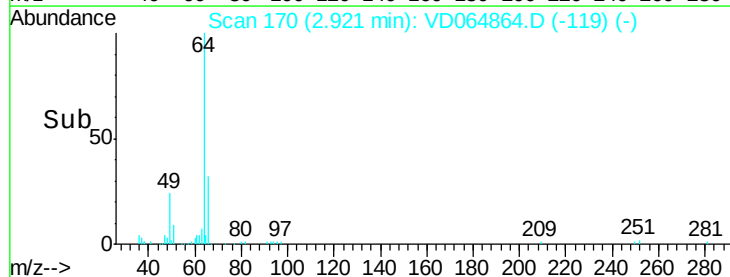
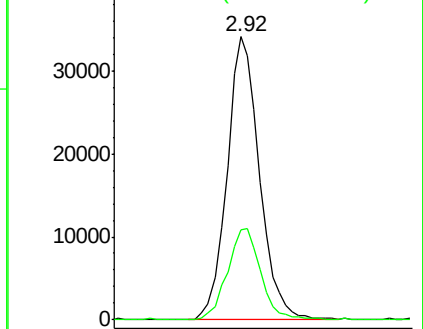
64 100

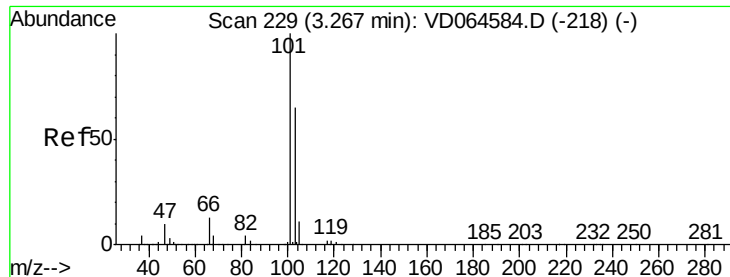
66 31.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

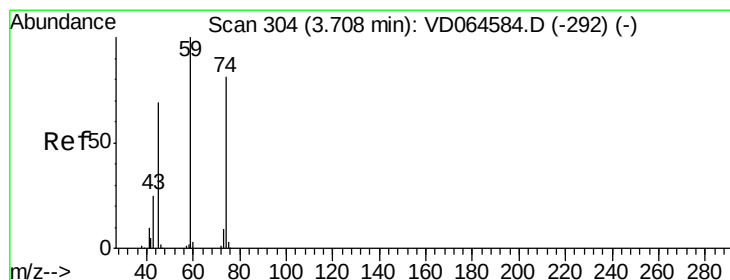
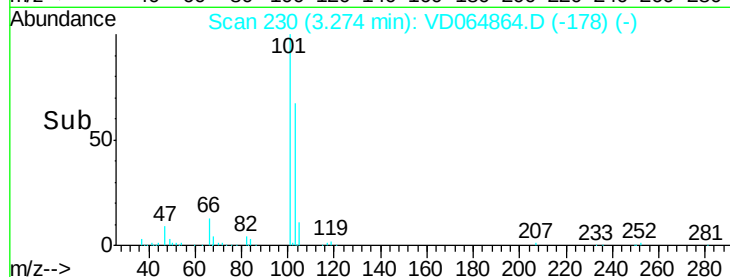
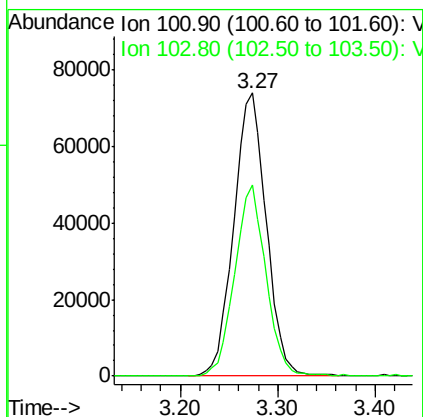
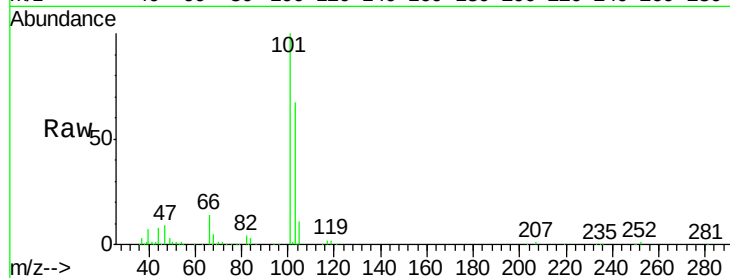
Trichlorofluoromethane
Concen: 21.426 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Instrument :
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ClientSampleId :
VD0117SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.4	52.2	78.4

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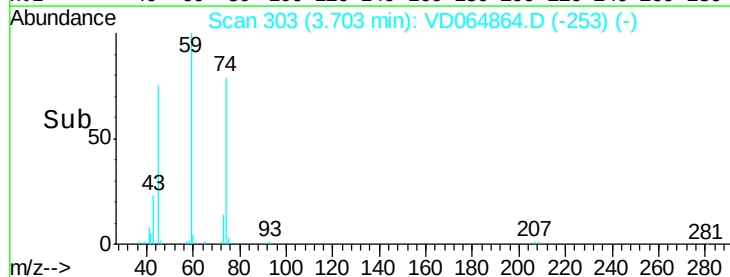
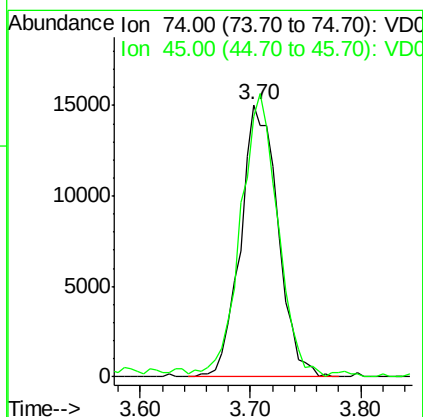
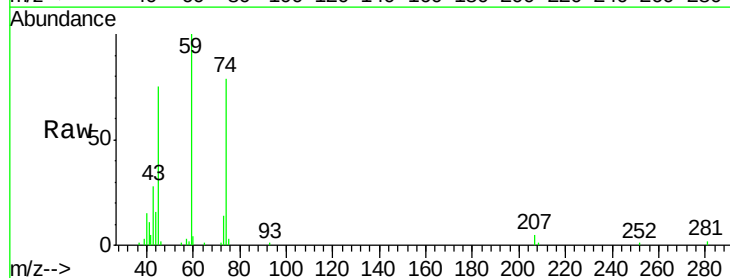
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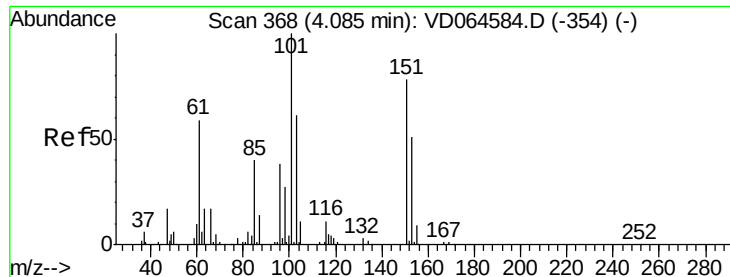


#8

Diethyl Ether
Concen: 22.432 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.0	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.401 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064864.D

Acq: 17 Jan 2020 15:44

Instrument :

MSVOA_D

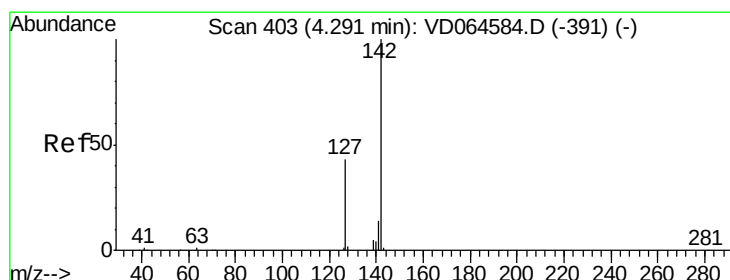
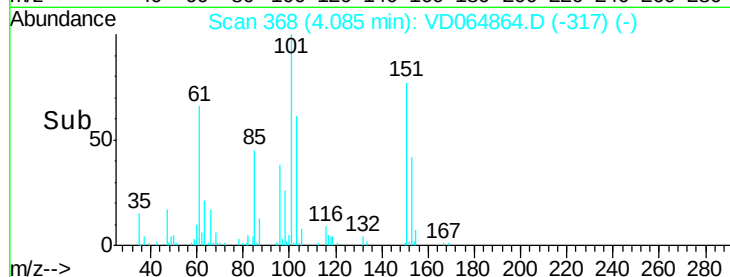
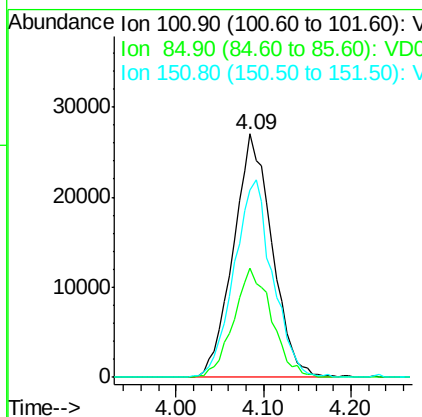
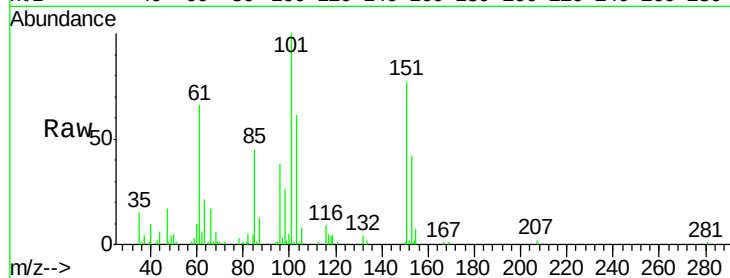
ClientSampleId :

VD0117SBSD01

Tot Ion:	101	Resp:	81062
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.2	52.8
151	80.6	66.2	99.4

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#10

Methyl Iodide

Concen: 20.673 ug/l

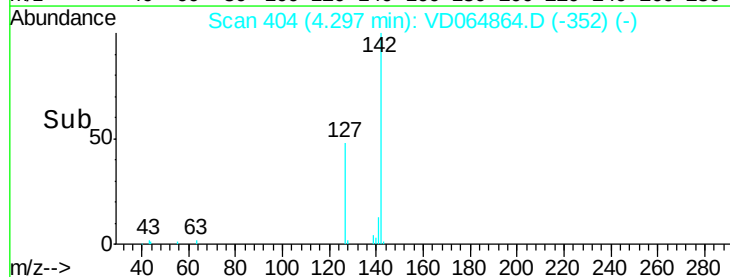
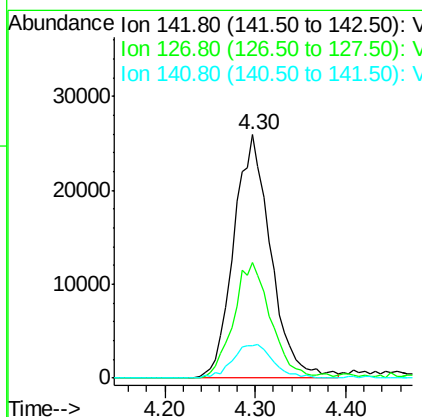
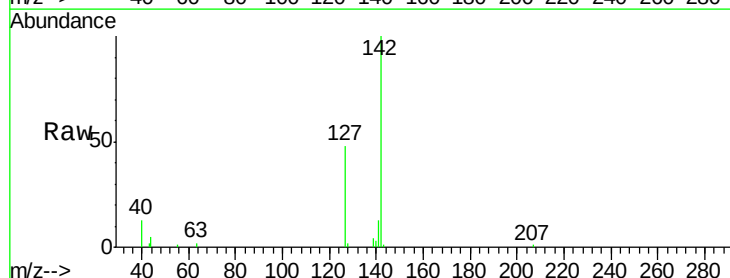
RT: 4.30 min Scan# 404

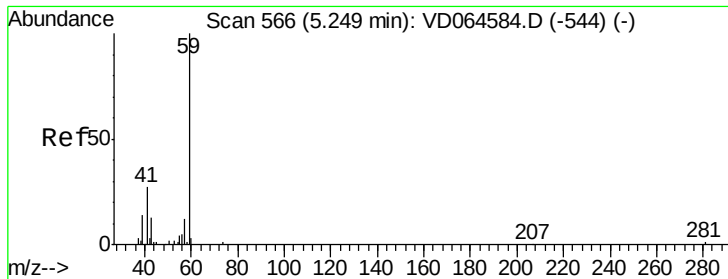
Delta R.T. 0.01 min

Lab File: VD064864.D

Acq: 17 Jan 2020 15:44

Tgt Ion:	142	Resp:	73772
Ion Ratio	Lower	Upper	
142	100		
127	47.5	36.2	54.4
141	15.0	11.8	17.8





#11

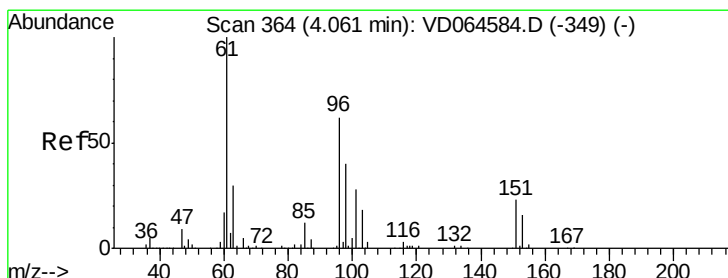
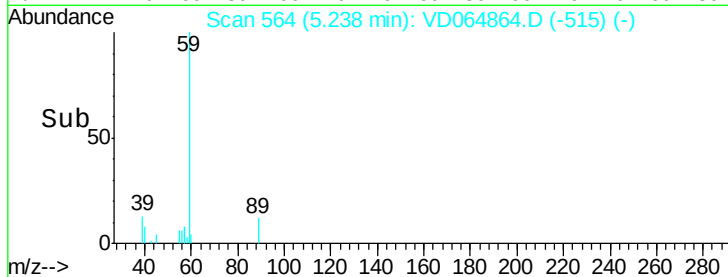
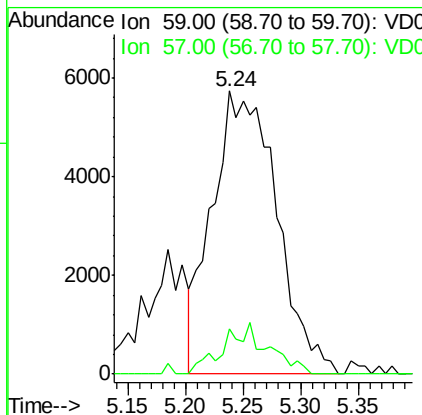
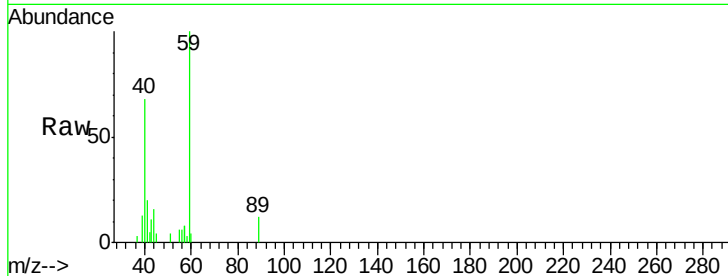
Tert butyl alcohol
 Concen: 122.603 ug/l
 RT: 5.24 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VD064864.D
 Acq: 17 Jan 2020 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.2	9.3	13.9#

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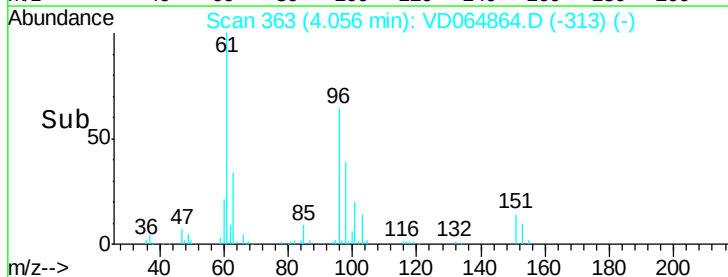
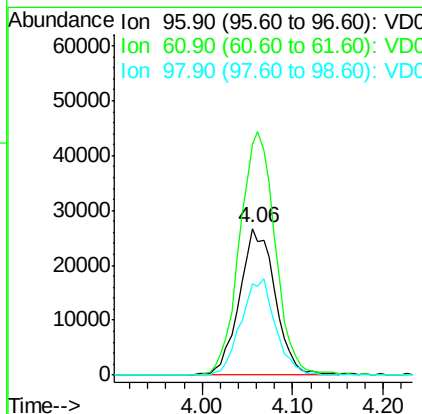
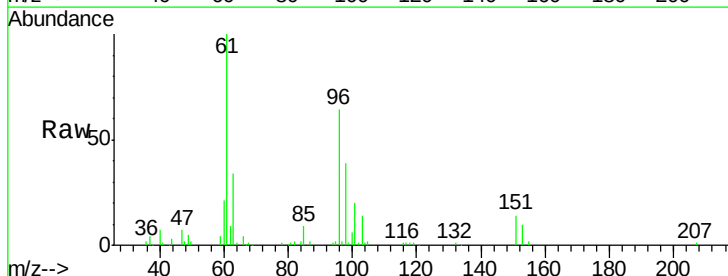
MMDadoda
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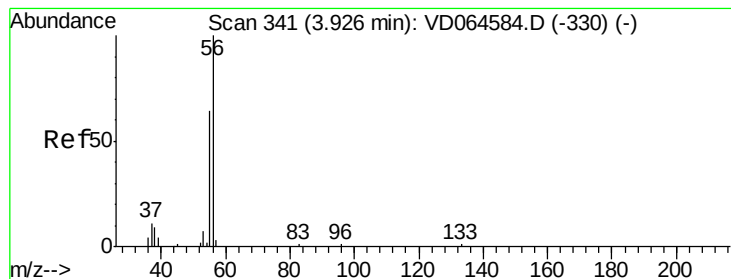


#12

1,1-Dichloroethene
 Concen: 23.027 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064864.D
 Acq: 17 Jan 2020 15:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.8	129.4	194.0
98	61.9	51.4	77.0





#13

Acrolein

Concen: 75.575 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD064864.D

Acq: 17 Jan 2020 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

Tot Ion: 56 Resp: 19135

Ion Ratio Lower Upper

56 100

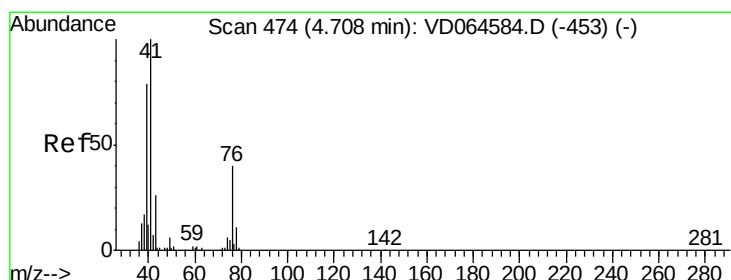
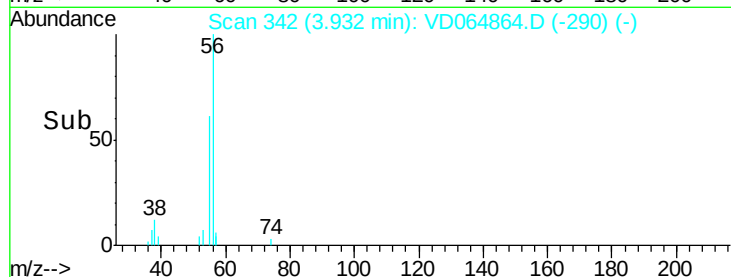
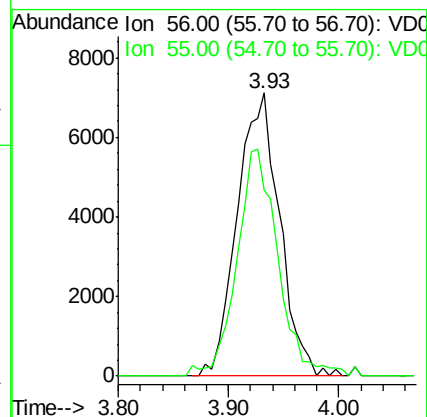
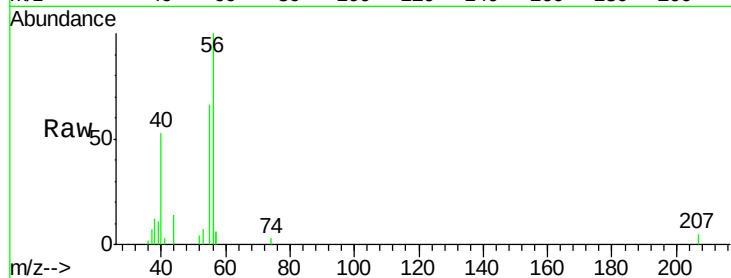
55 77.9 56.7 85.1

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#14

Allyl chloride

Concen: 23.872 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064864.D

Acq: 17 Jan 2020 15:44

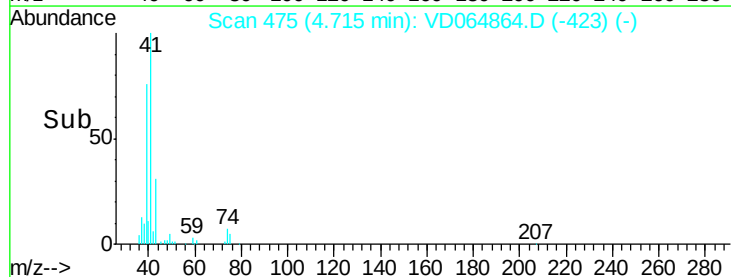
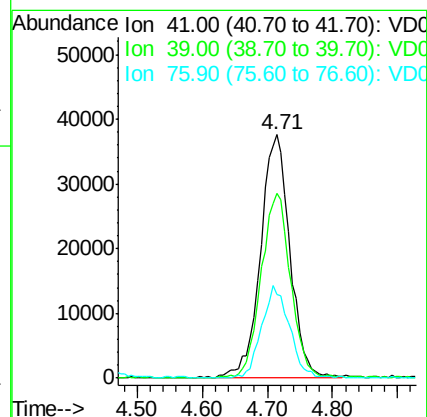
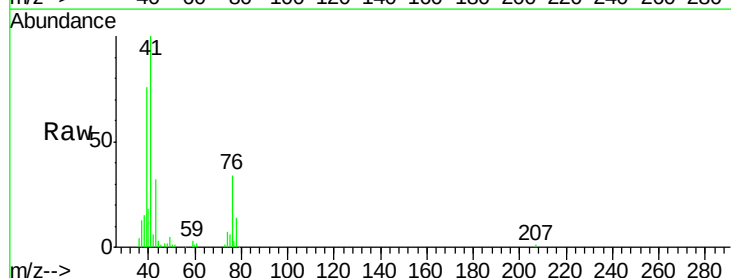
Tgt Ion: 41 Resp: 117717

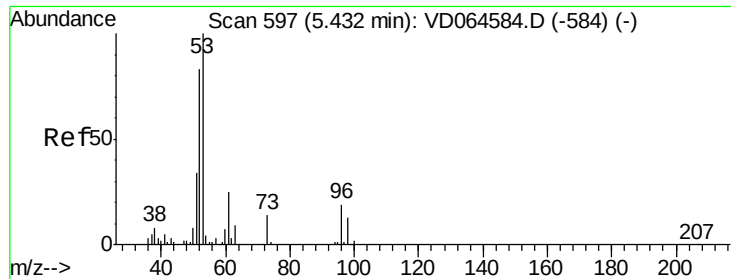
Ion Ratio Lower Upper

41 100

39 76.0 62.3 93.5

76 35.7 29.7 44.5





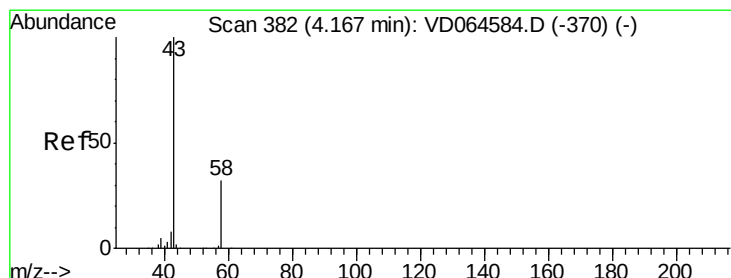
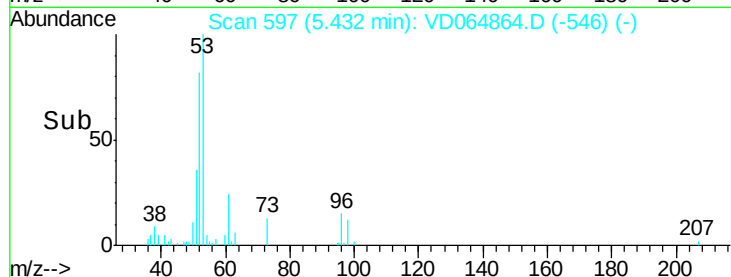
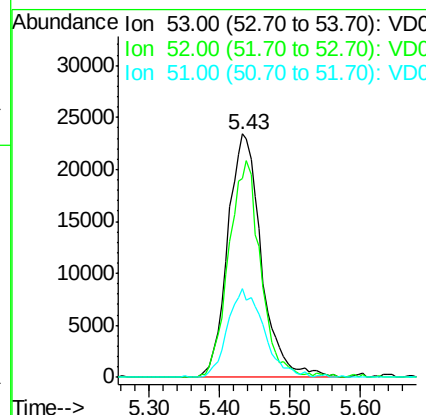
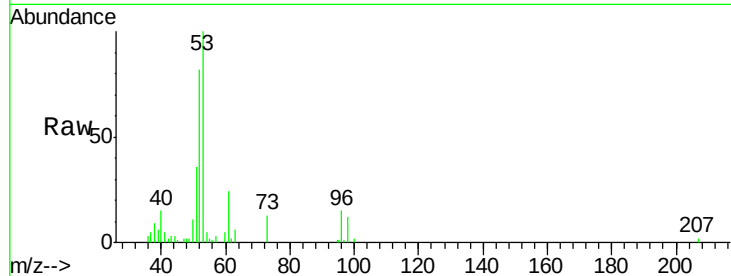
#15
 Acrylonitrile
 Concen: 116.575 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VD064864.D
 Acq: 17 Jan 2020 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

Tot Ion:	53	Resp:	77349
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.2	99.2
51	39.0	30.1	45.1

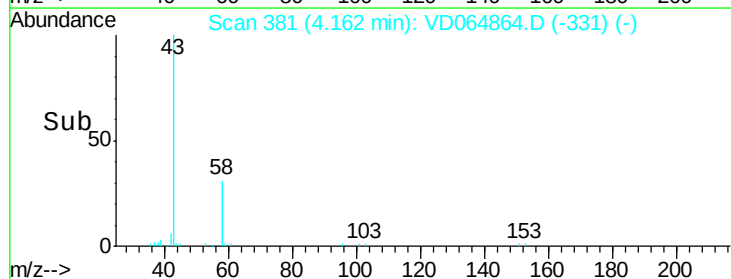
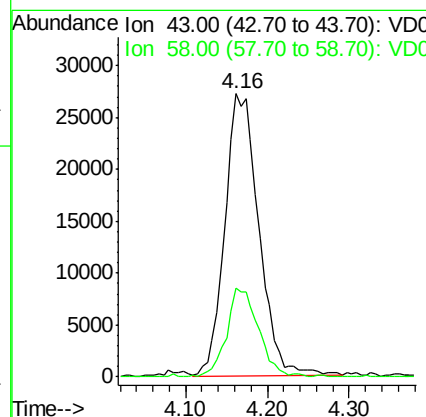
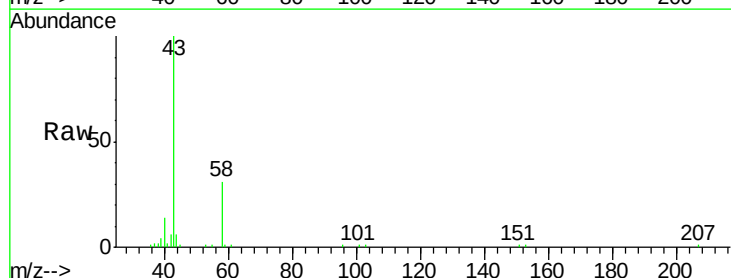
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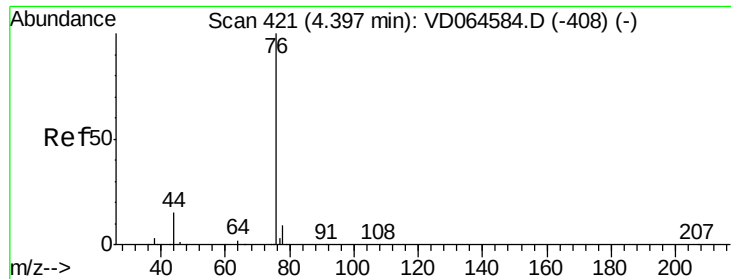
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#16
 Acetone
 Concen: 113.343 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VD064864.D
 Acq: 17 Jan 2020 15:44

Tgt Ion:	43	Resp:	79071
Ion	Ratio	Lower	Upper
43	100		
58	31.4	25.8	38.6





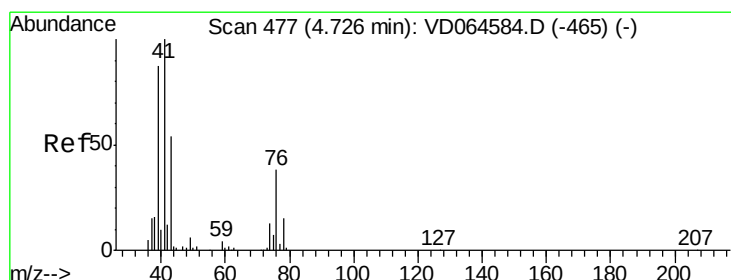
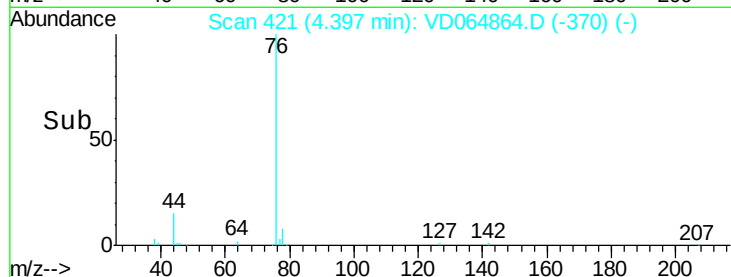
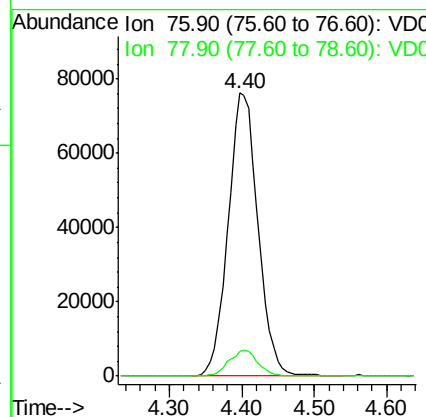
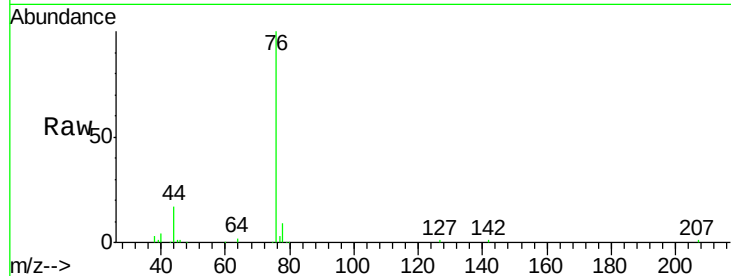
#17
Carbon Disulfide
Concen: 21.230 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.3	10.9

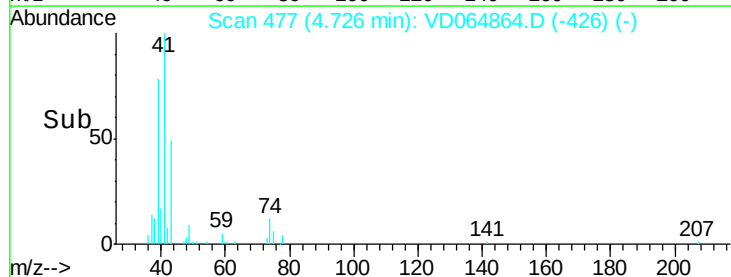
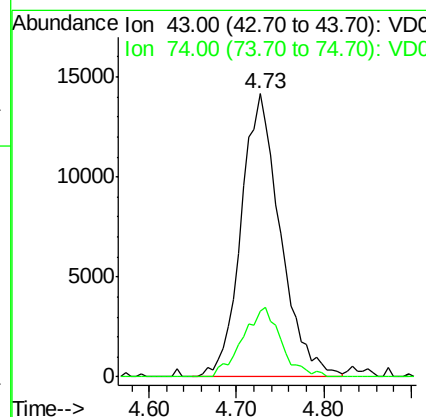
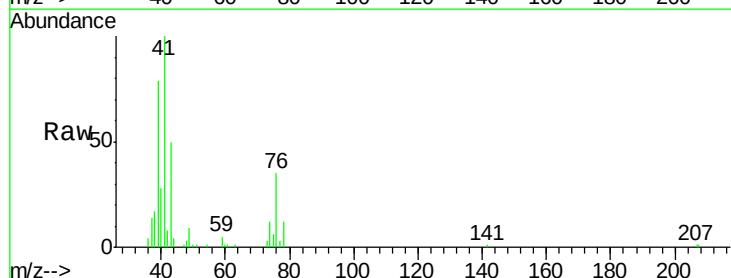
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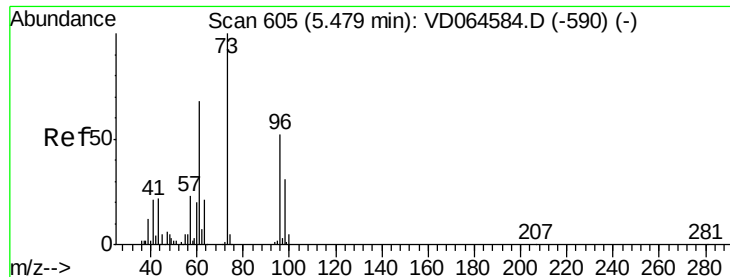
MMDadoda
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#18
Methyl Acetate
Concen: 24.170 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.2	28.8





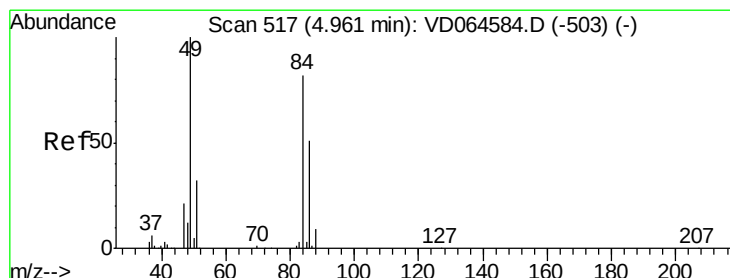
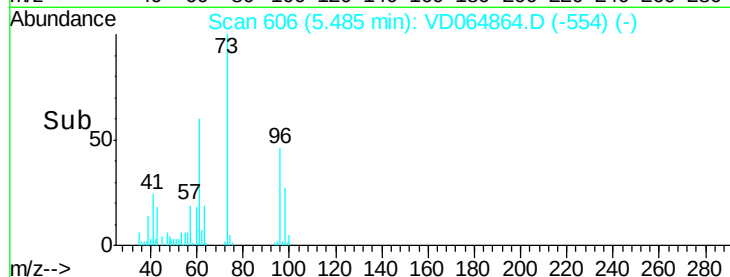
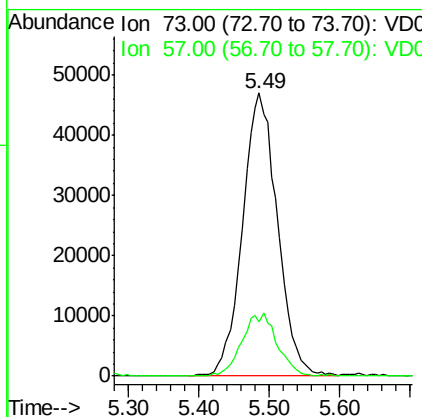
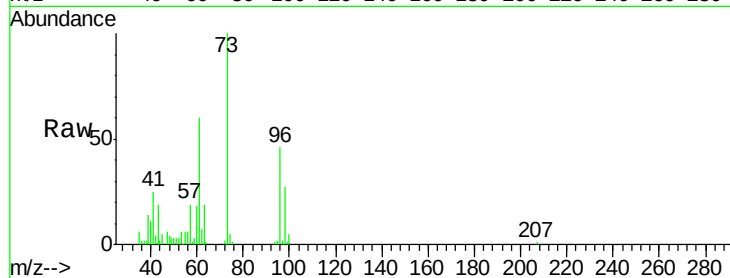
#19
Methyl tert-butyl Ether
Concen: 23.036 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tot Ion: 73 Resp: 161828
Ion Ratio Lower Upper
73 100
57 19.2 18.6 27.8

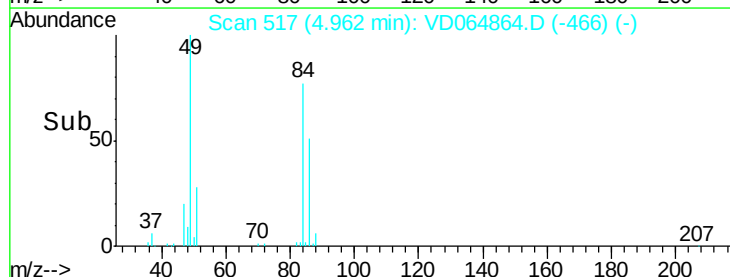
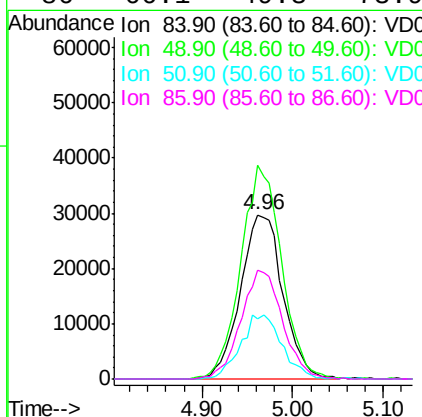
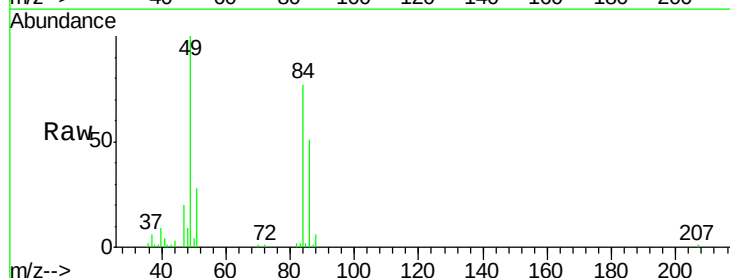
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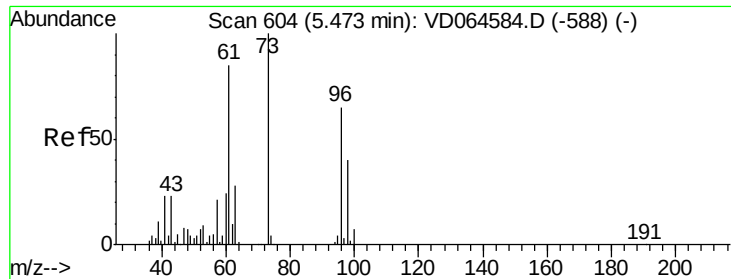
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#20
Methylene Chloride
Concen: 27.591 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Tgt Ion: 84 Resp: 96555
Ion Ratio Lower Upper
84 100
49 130.2 97.2 145.8
51 36.6 31.4 47.0
86 66.1 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 23.106 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064864.D

Acq: 17 Jan 2020 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

Tot Ion: 96 Resp: 83229

Ion Ratio Lower Upper

96 100

61 129.6 104.7 157.1

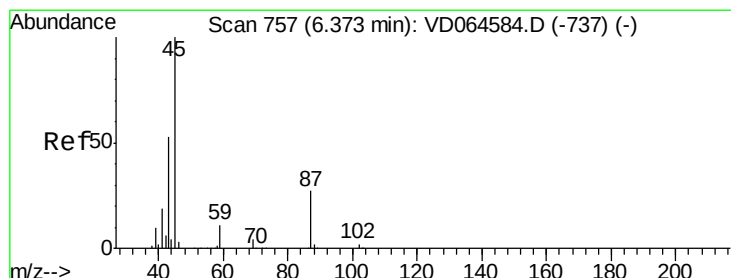
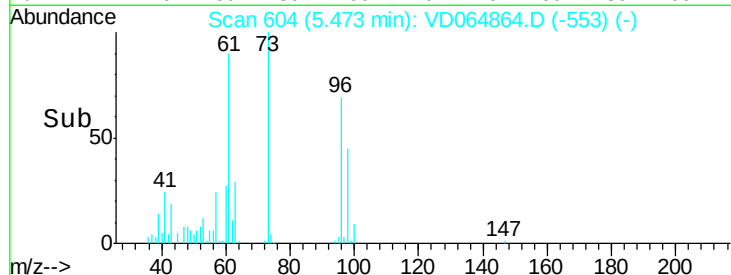
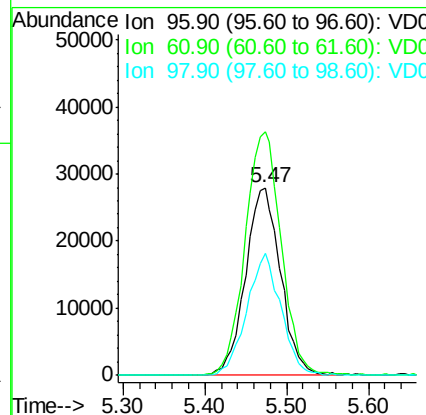
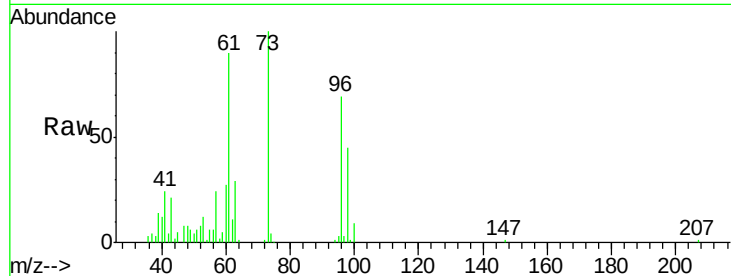
98 64.8 49.4 74.2

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#22

Diisopropyl ether

Concen: 24.052 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064864.D

Acq: 17 Jan 2020 15:44

Tgt Ion: 45 Resp: 236567

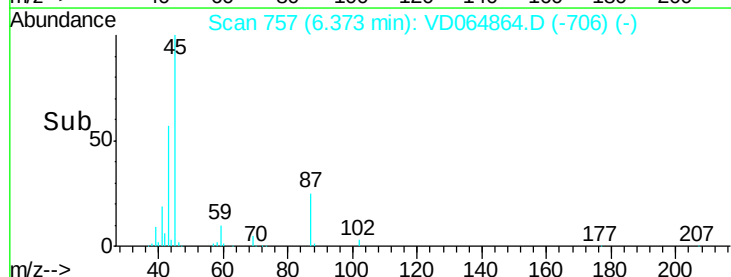
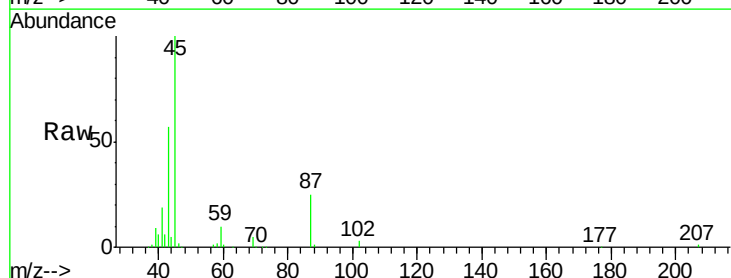
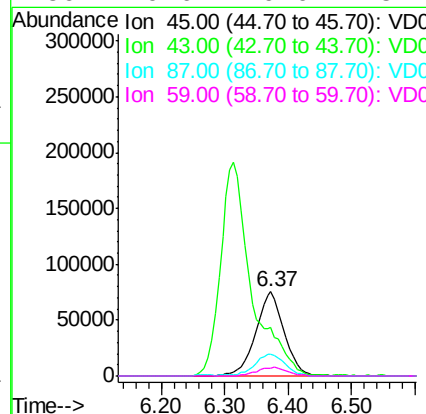
Ion Ratio Lower Upper

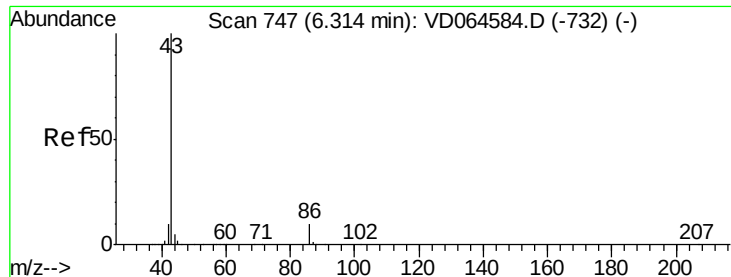
45 100

43 56.4 43.2 64.8

87 25.2 21.9 32.9

59 9.6 9.0 13.4





#23

Vinyl Acetate

Concen: 117.106 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064864.D

Acq: 17 Jan 2020 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

Tot Ion: 43 Resp: 653389

Ion Ratio Lower Upper

43 100

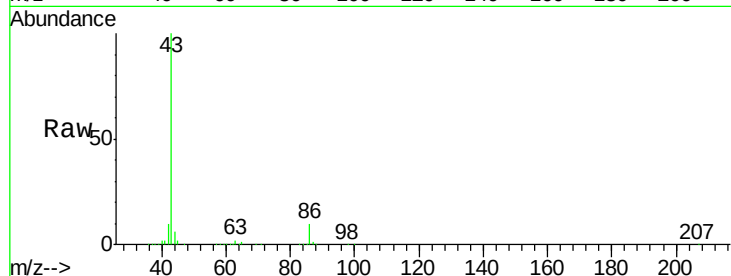
86 9.9 8.3 12.5

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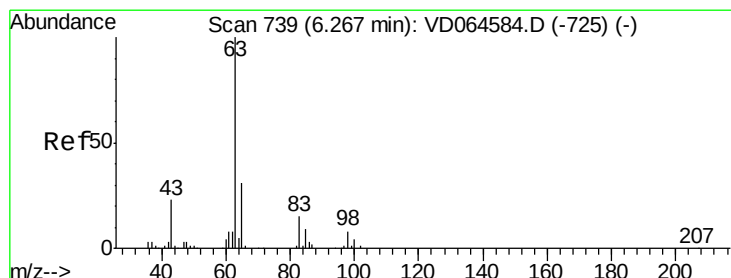
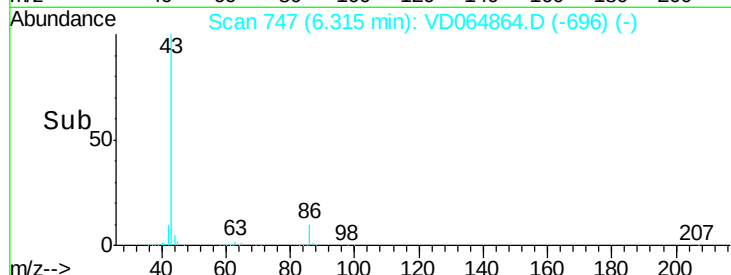
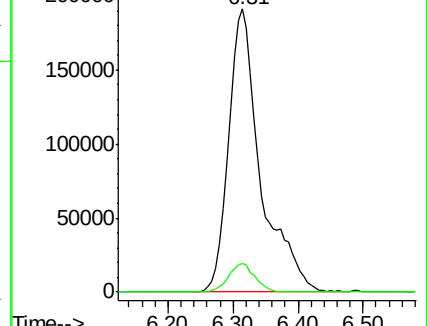
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 24.490 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD064864.D

Acq: 17 Jan 2020 15:44

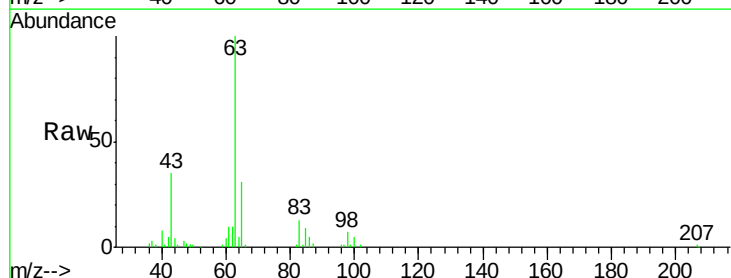
Tgt Ion: 63 Resp: 144609

Ion Ratio Lower Upper

63 100

98 7.2 4.1 12.3

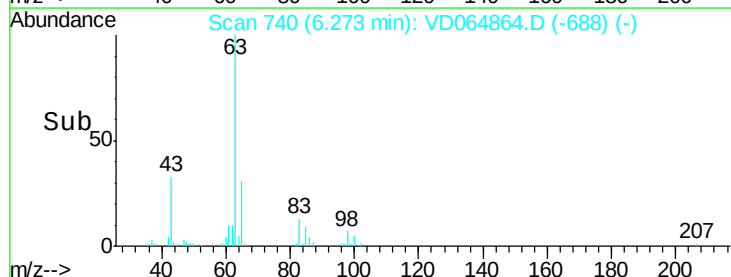
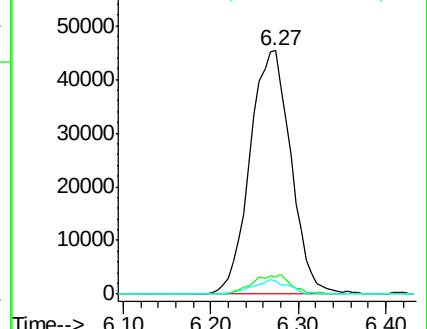
100 5.4 2.2 6.6

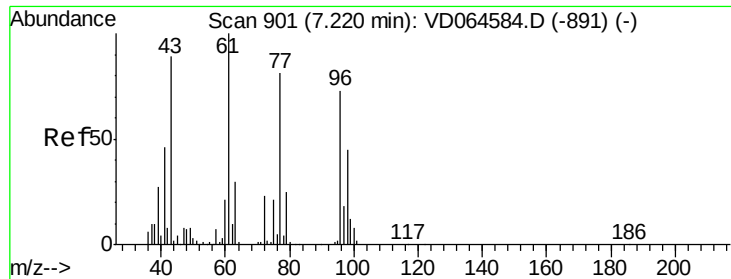


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 120.653 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064864.D

Acq: 17 Jan 2020 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

Tot Ion: 43 Resp: 105133

Ion Ratio Lower Upper

43 100

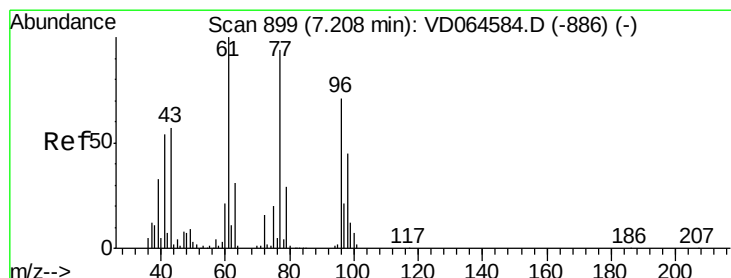
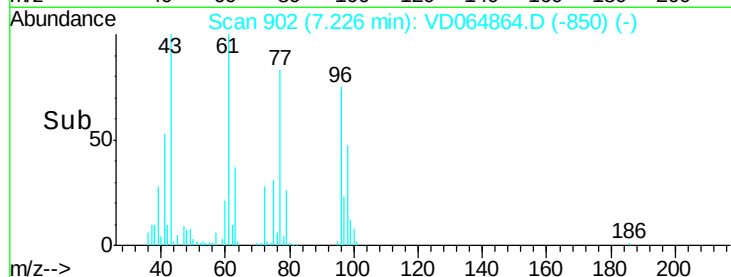
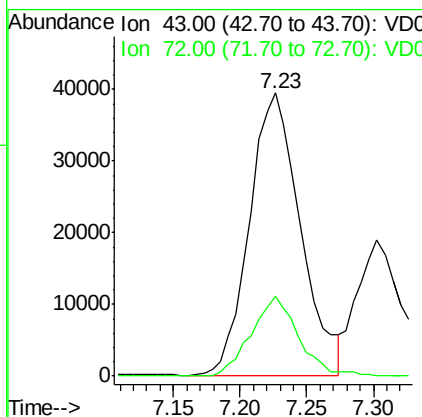
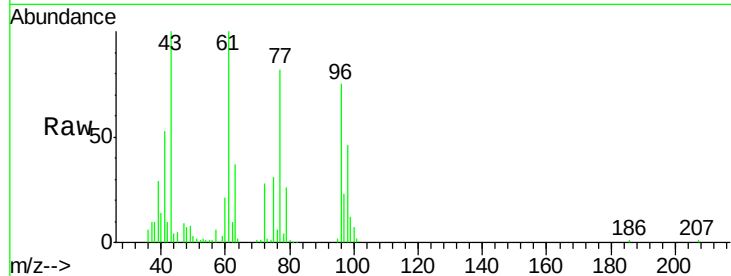
72 28.3 20.7 31.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 23.636 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064864.D

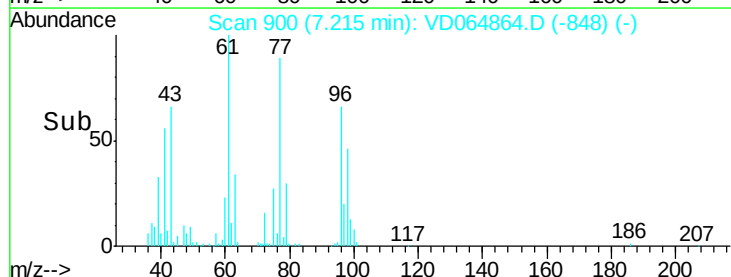
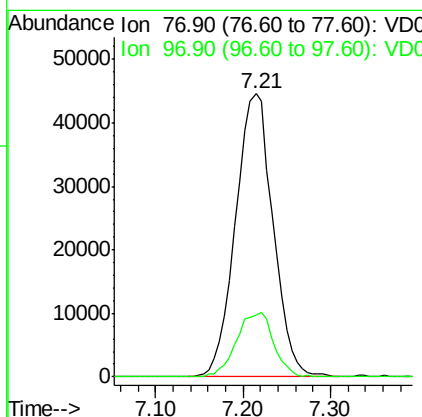
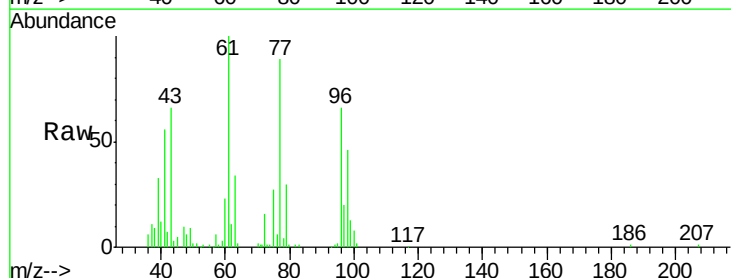
Acq: 17 Jan 2020 15:44

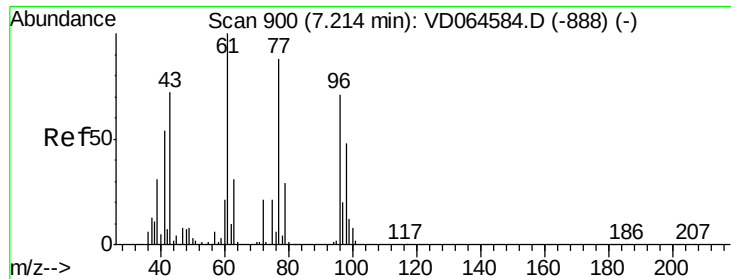
Tgt Ion: 77 Resp: 129761

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.6





#27

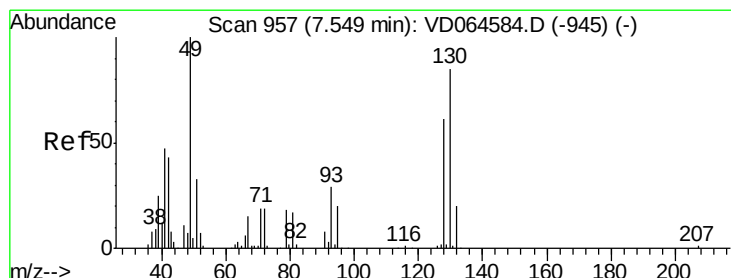
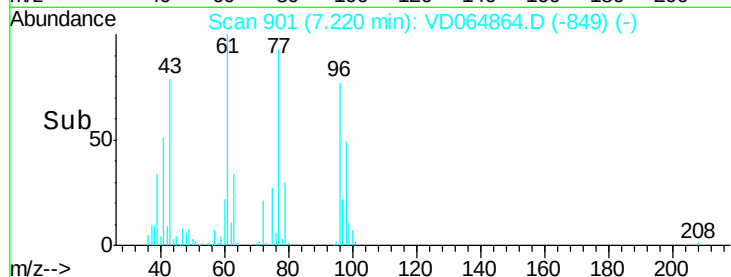
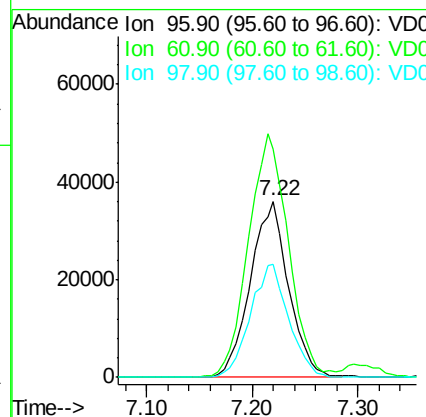
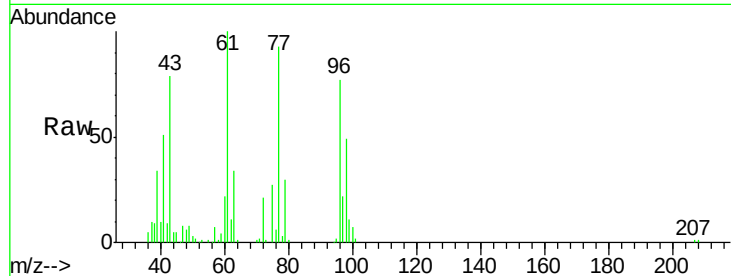
cis-1,2-Dichloroethene
Concen: 23.336 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.7	0.0	282.6
98	64.1	0.0	130.8

Manual Integrations
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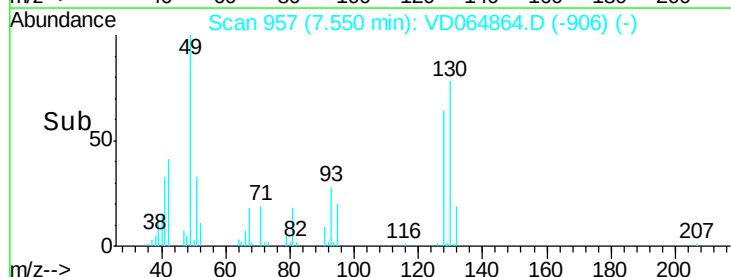
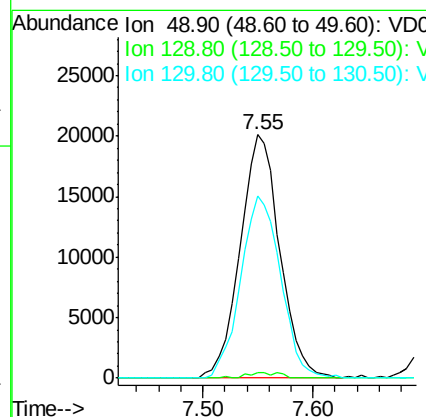
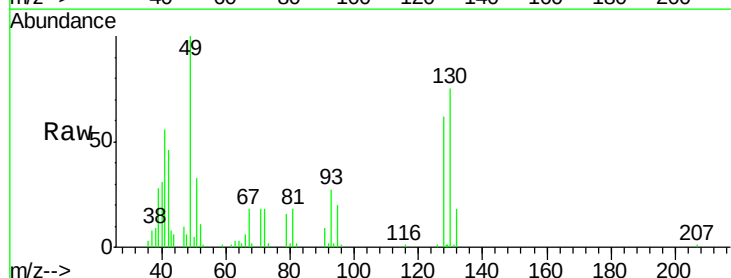
MMDadoda
1/20/2020 11:14:29 AM

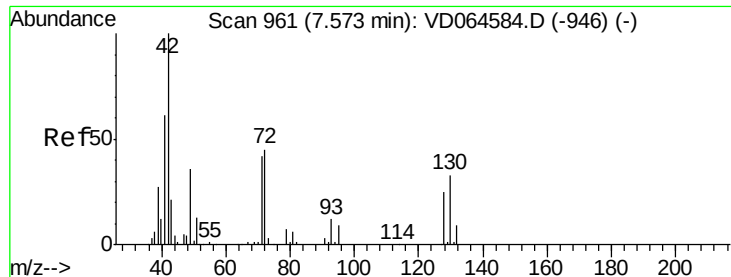


#28

Bromochloromethane
Concen: 22.067 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.8
130	75.9	65.0	97.6





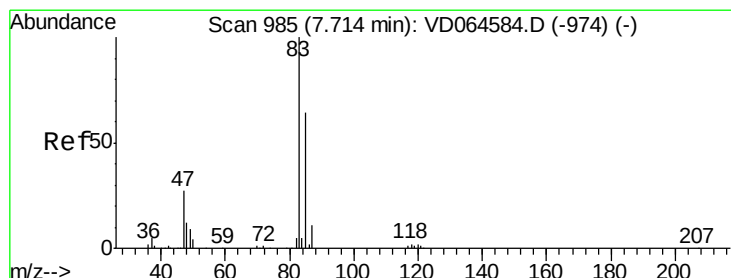
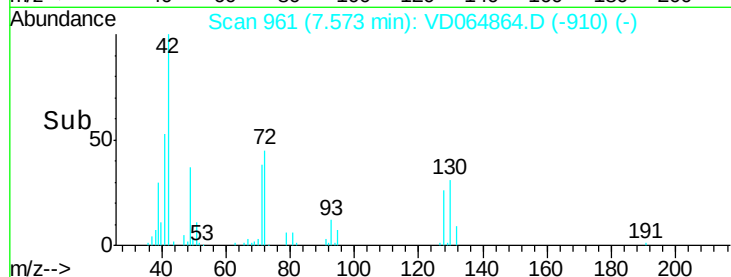
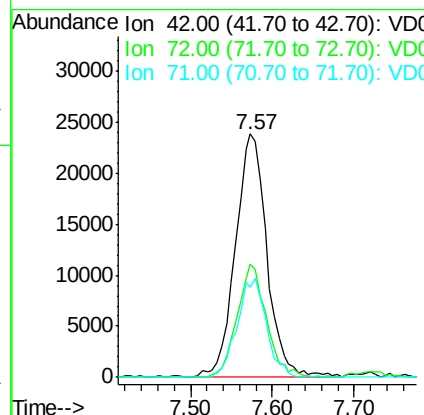
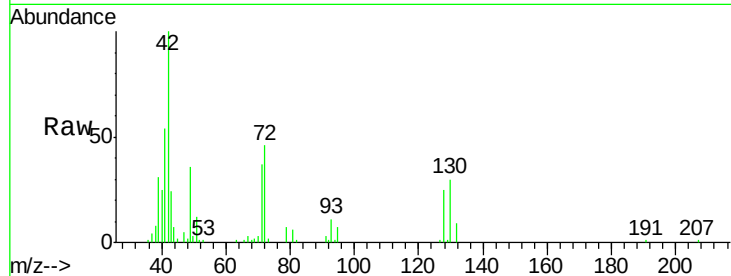
#29
Tetrahydrofuran
Concen: 118.367 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	35.0	52.4
71	37.7	32.9	49.3

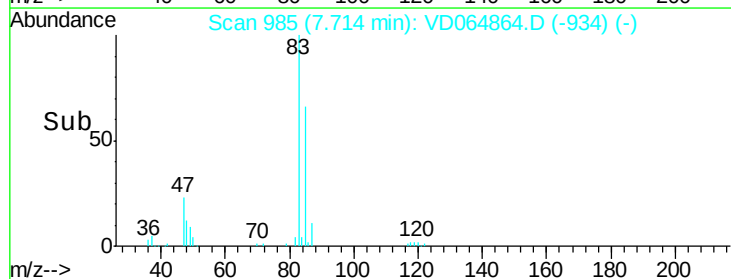
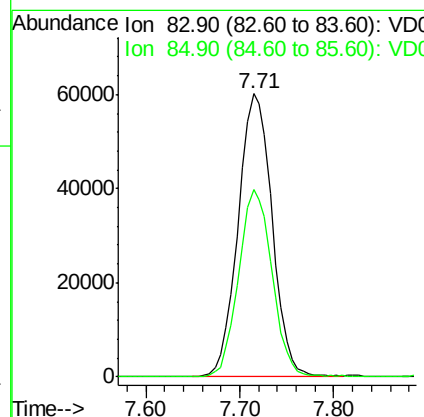
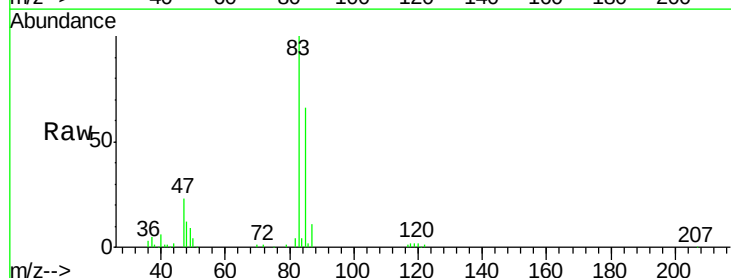
Manual Integrations
APPROVED

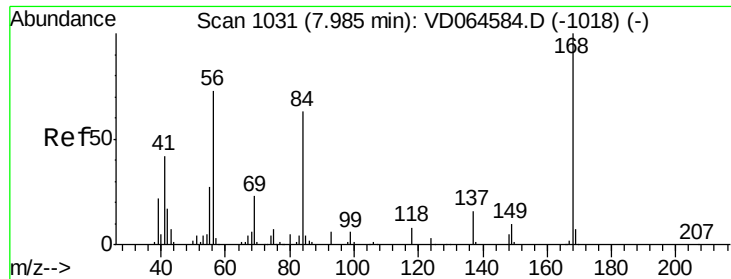
MMDadoda
1/20/2020 11:14:29 AM



#30
Chloroform
Concen: 24.399 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.1	76.7





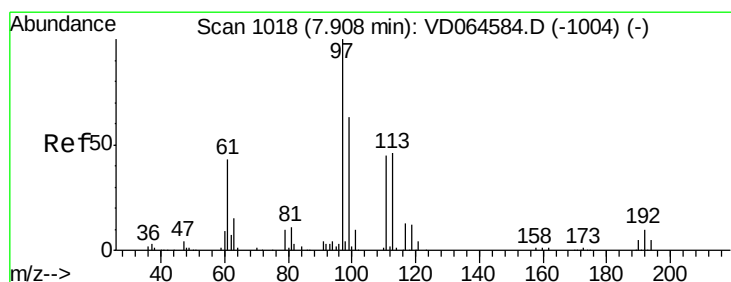
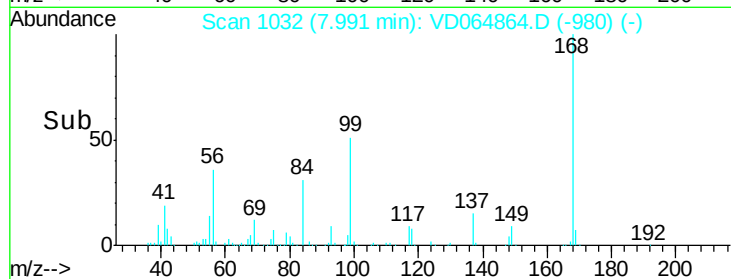
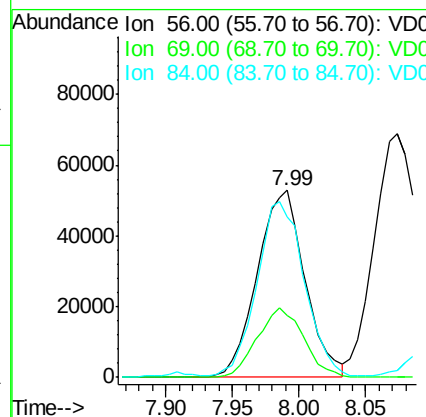
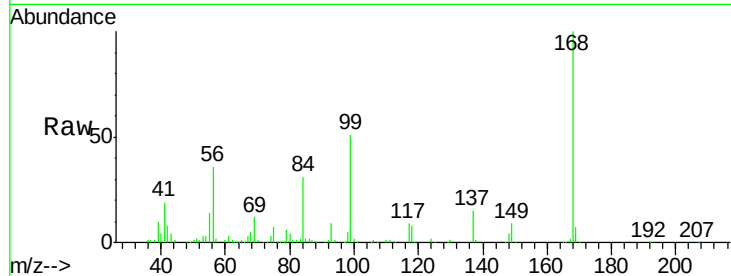
#31
Cyclohexane
Concen: 22.188 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	24.7	37.1
84	84.4	69.4	104.2

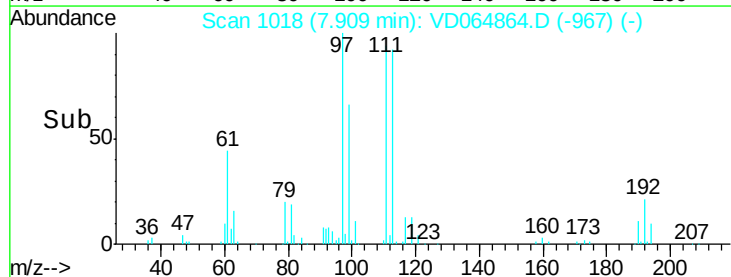
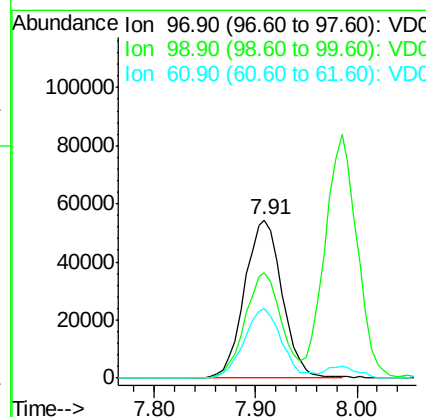
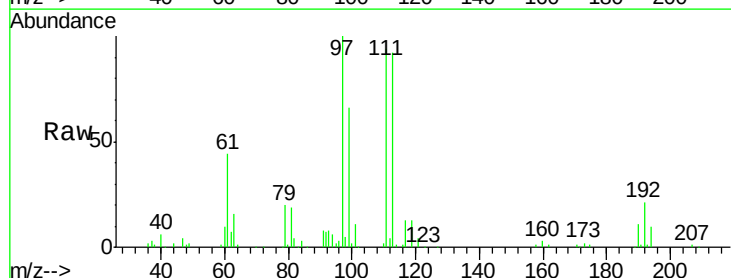
Manual Integrations
APPROVED

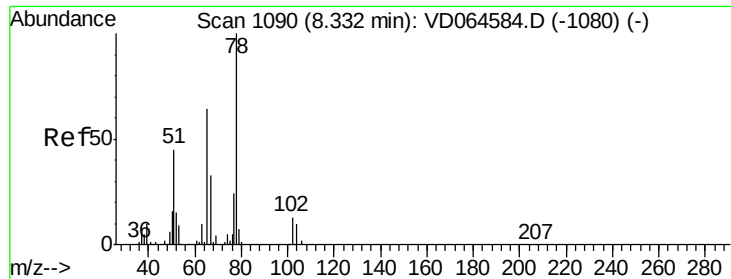
MMDadoda
1/20/2020 11:14:29 AM



#32
1,1,1-Trichloroethane
Concen: 24.088 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.6
61	44.4	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 52.905 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064864.D

Acq: 17 Jan 2020 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBSD01

Tot Ion: 65 Resp: 167711

Ion Ratio Lower Upper

65 100

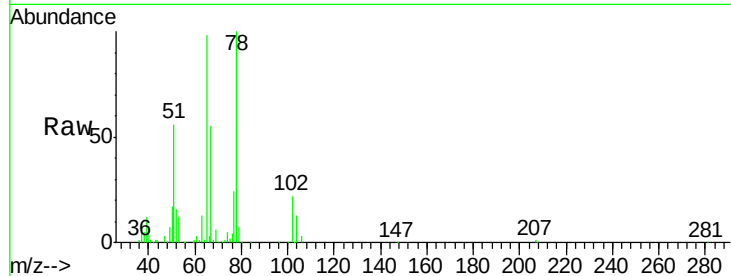
67 51.8 0.0 106.2

Manual Integrations

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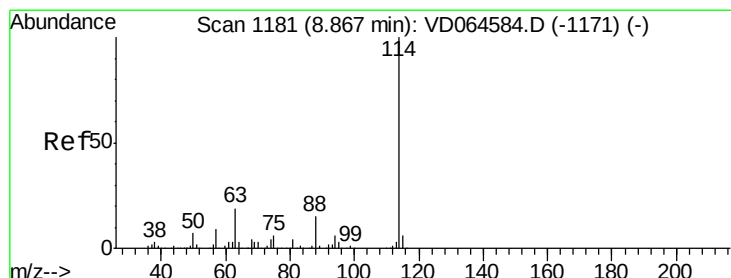
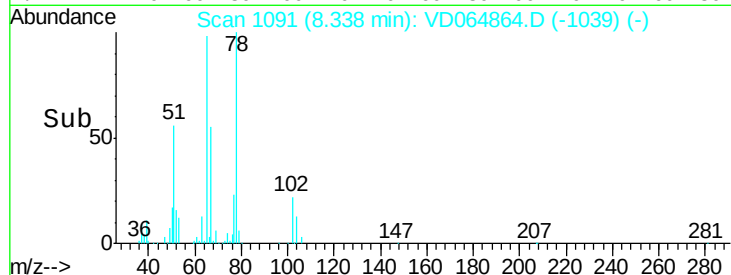
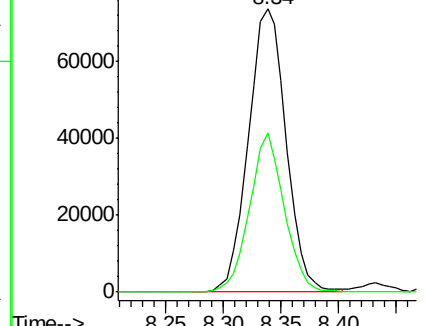
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD064864.D

Acq: 17 Jan 2020 15:44

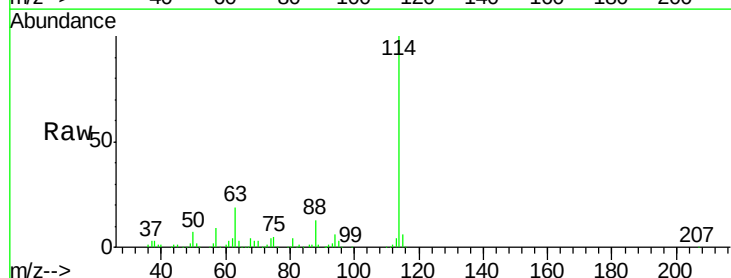
Tgt Ion: 114 Resp: 516453

Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.0

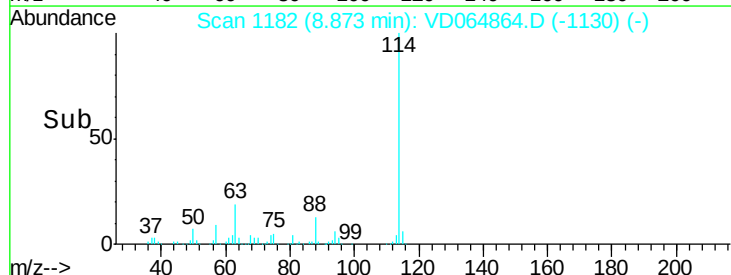
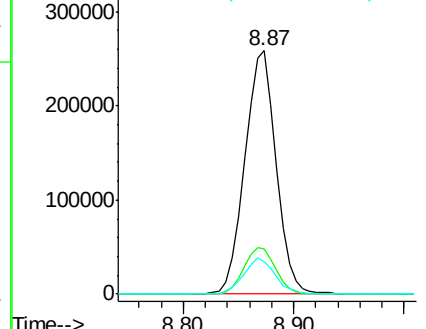
88 13.3 0.0 29.2

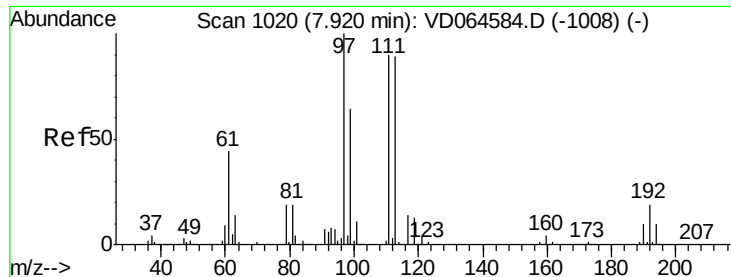


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





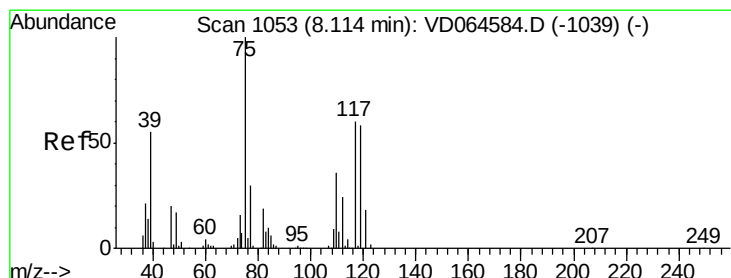
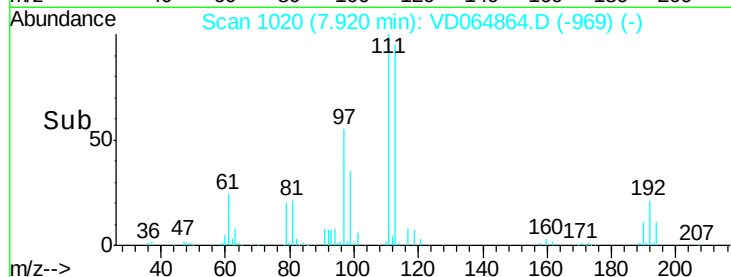
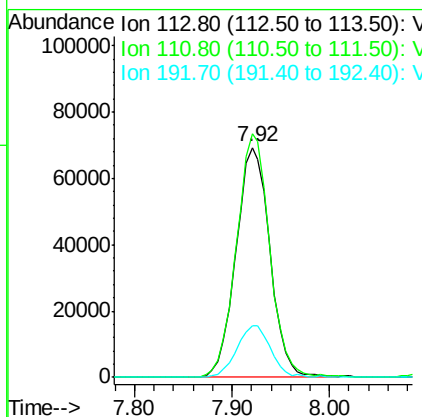
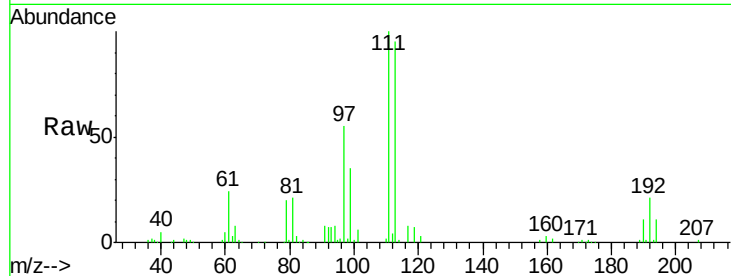
#35
 Dibromofluoromethane
 Concen: 53.259 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064864.D
 Acq: 17 Jan 2020 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	168754		
111	103.6	80.6	121.0	
192	22.3	17.9	26.9	

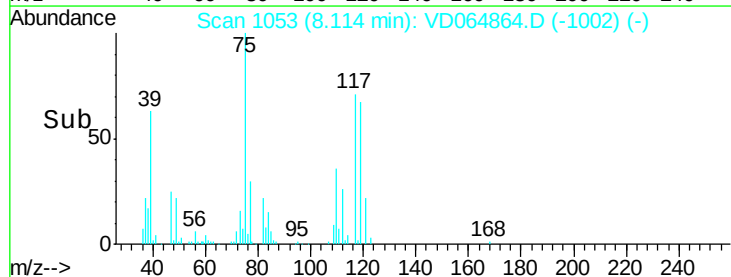
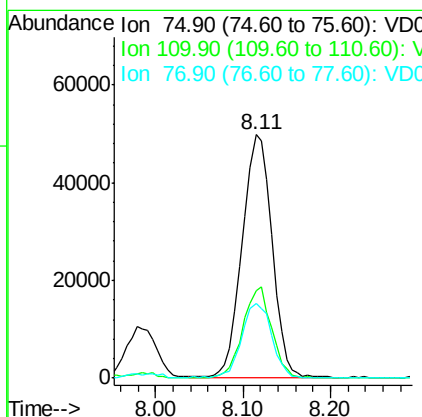
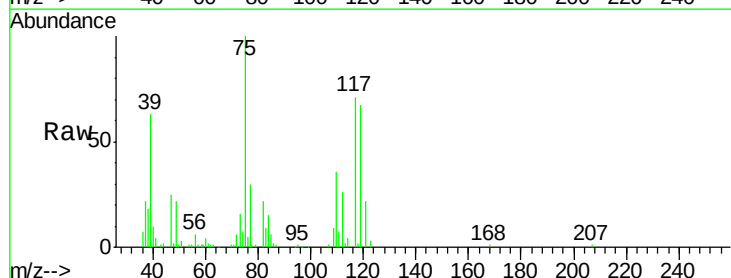
Manual Integrations
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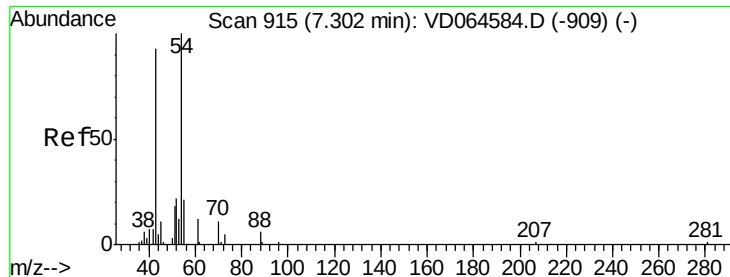
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#36
 1,1-Dichloropropene
 Concen: 23.300 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064864.D
 Acq: 17 Jan 2020 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	115821		
110	35.8	18.1	54.1	
77	31.1	24.2	36.4	





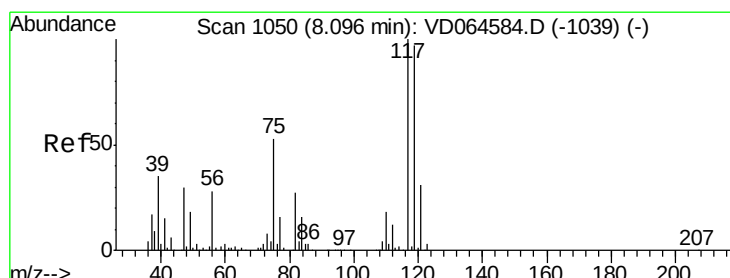
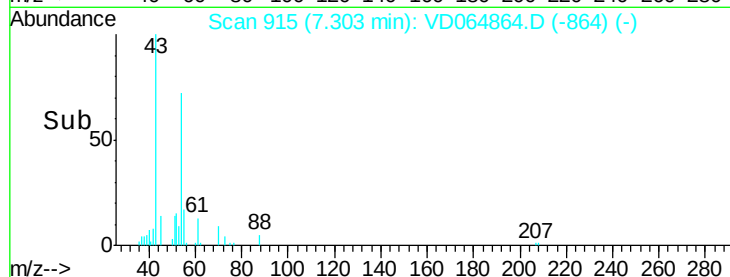
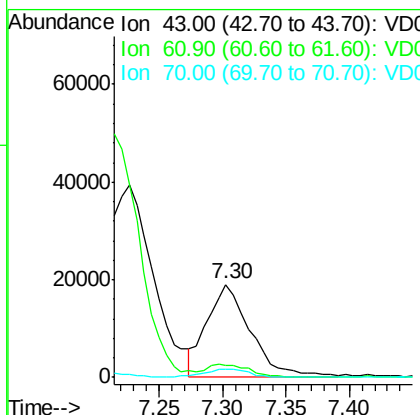
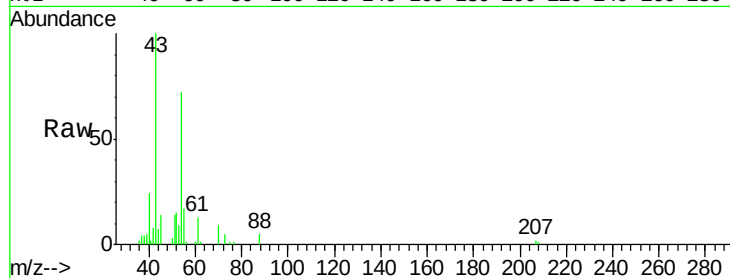
#37
Ethyl Acetate
Concen: 23.496 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.3	15.5
70	9.3	7.6	11.4

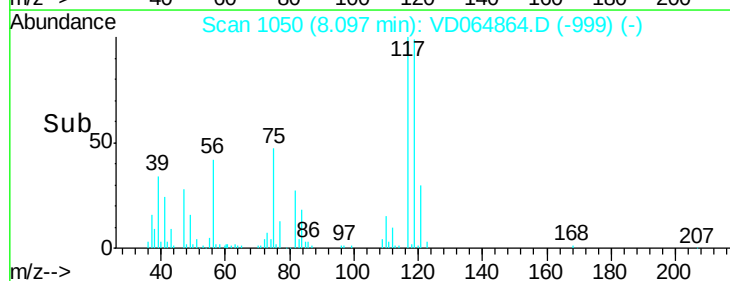
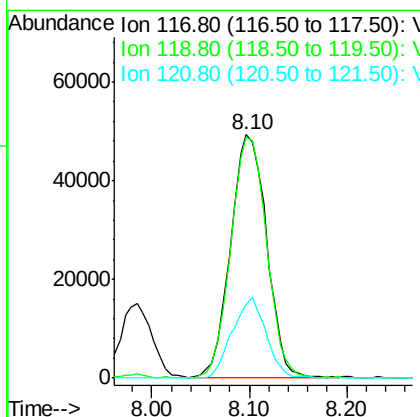
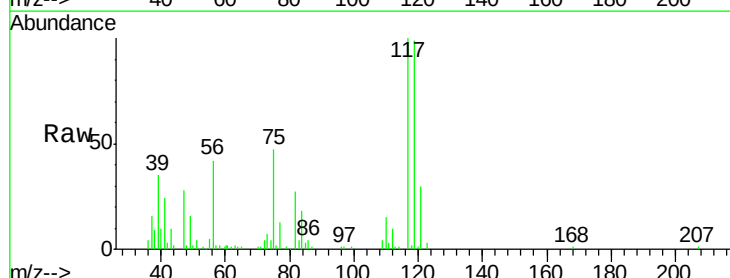
Manual Integrations
APPROVED

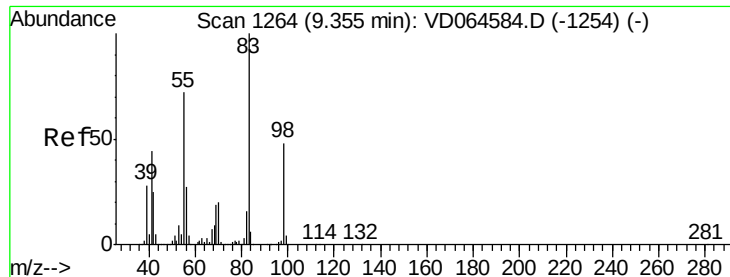
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#38
Carbon Tetrachloride
Concen: 23.912 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.0	77.3	115.9
121	30.0	25.0	37.6





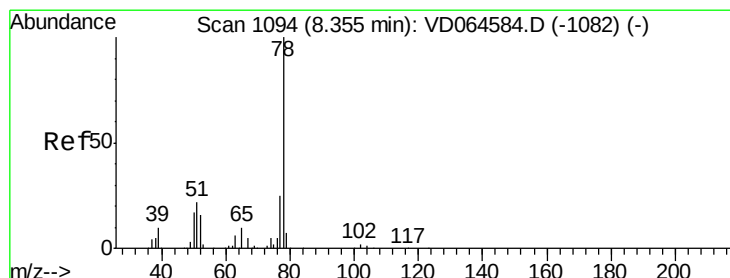
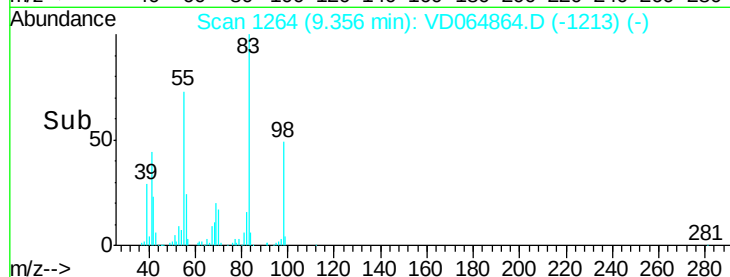
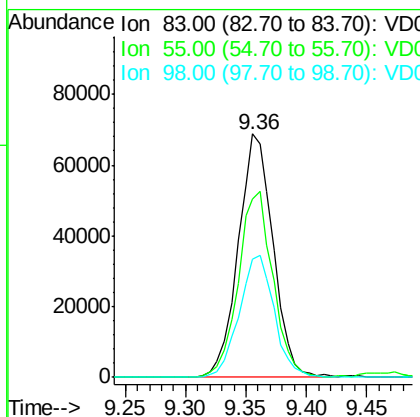
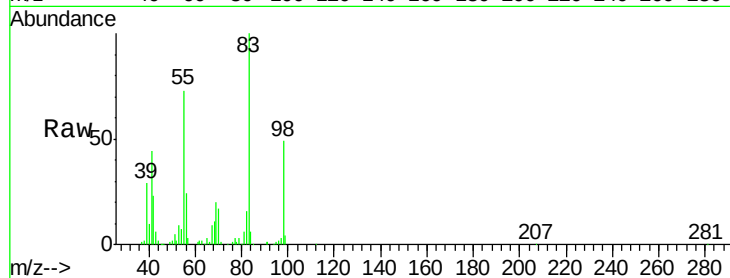
#39
Methylvlcyclohexane
Concen: 22.952 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.1	57.8	86.6
98	48.8	38.7	58.1

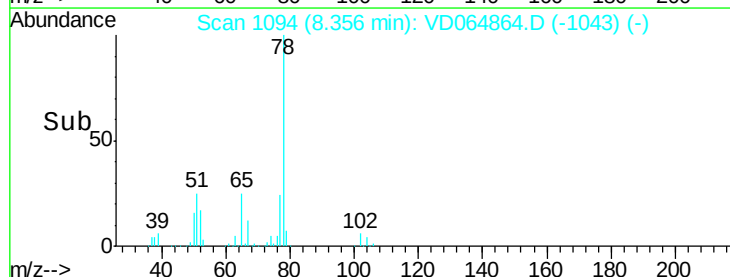
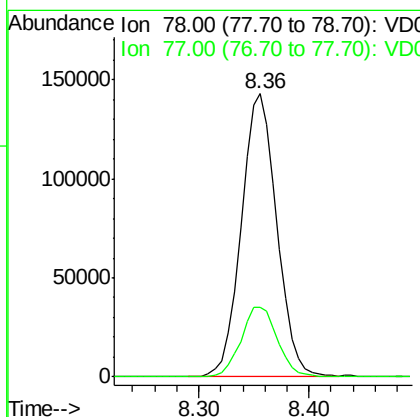
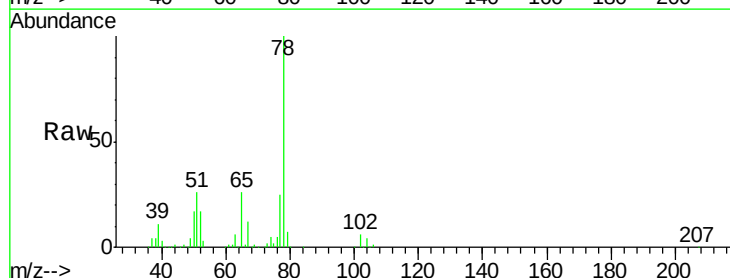
Manual Integrations
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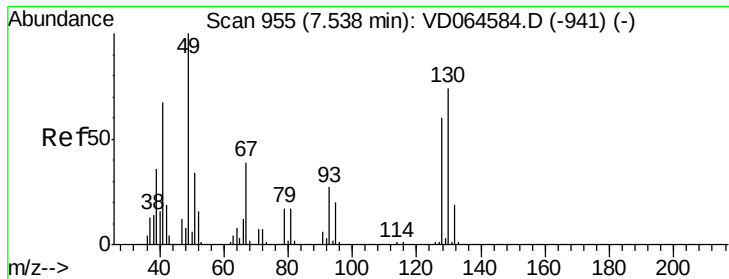
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#40
Benzene
Concen: 23.711 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.9	29.9





#41

Methacrylonitrile

Concen: 21.936 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064864.D

Acq: 17 Jan 2020 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

Tot Ion: 41 Resp: 24854

Ion Ratio Lower Upper

41 100

39 64.5 46.7 70.1

67 76.7 52.5 78.7

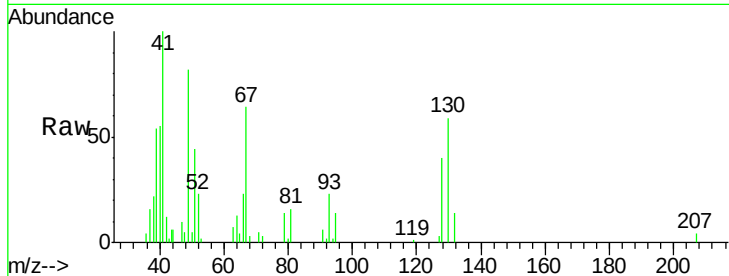
52 32.8 24.1 36.1

Manual Integrations

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MMDadoda

1/20/2020 11:14:29 AM

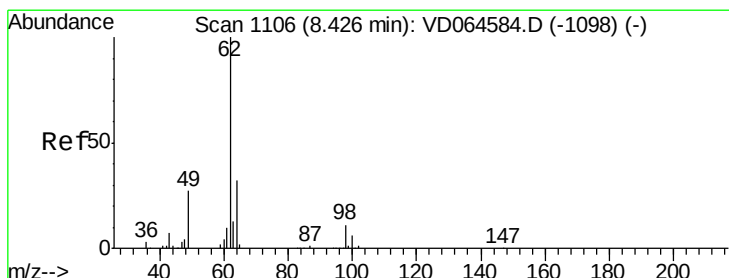
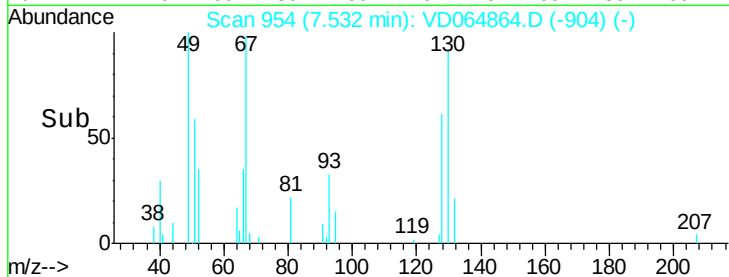
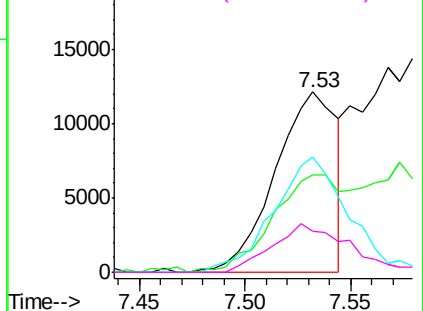


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 25.041 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD064864.D

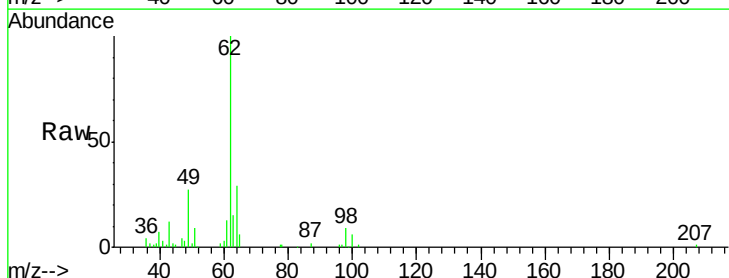
Acq: 17 Jan 2020 15:44

Tgt Ion: 62 Resp: 98193

Ion Ratio Lower Upper

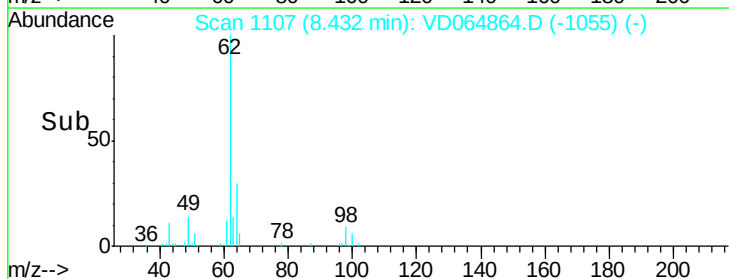
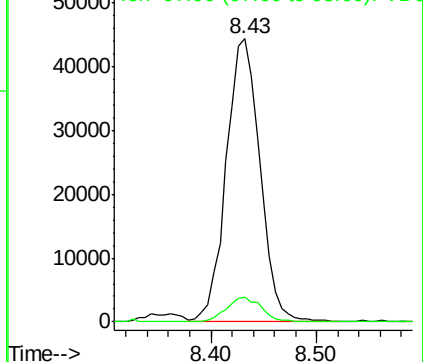
62 100

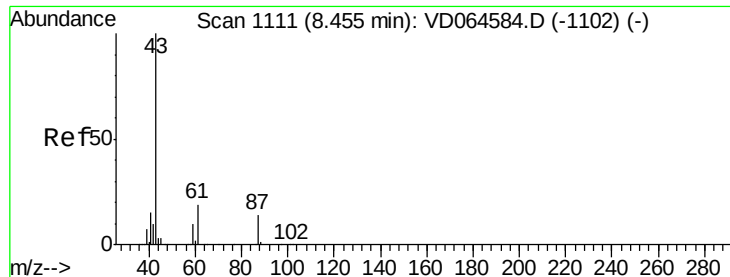
98 8.9 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 22.361 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064864.D

Acq: 17 Jan 2020 15:44

Instrument :

MSVOA_D

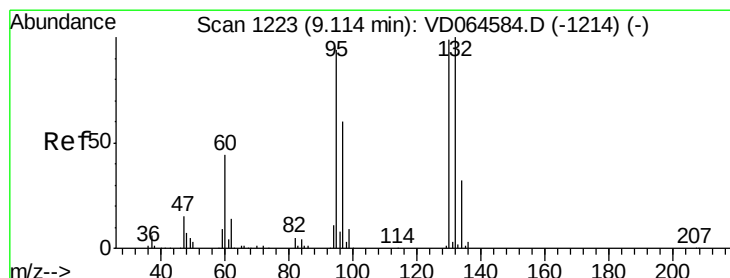
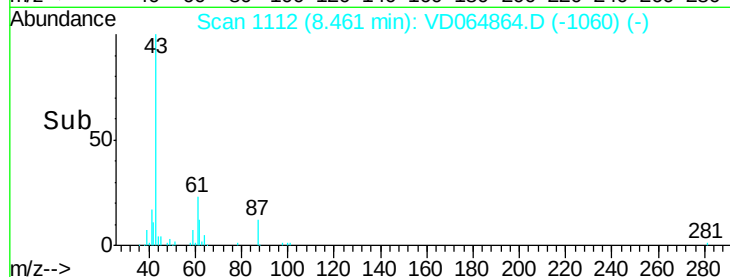
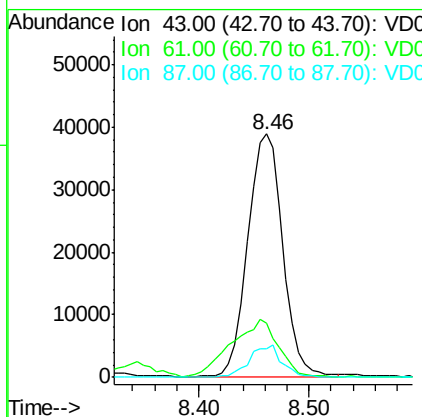
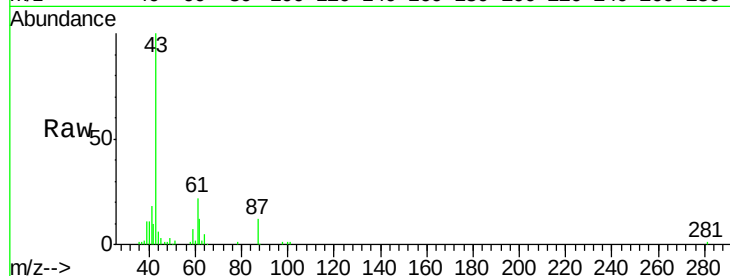
ClientSampleId :

VD0117SBS01

Tot Ion:	43	Resp:	86916
Ion	Ratio	Lower	Upper
43	100		
61	31.9	23.7	35.5
87	12.3	10.5	15.7

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#44

Trichloroethene

Concen: 23.320 ug/l

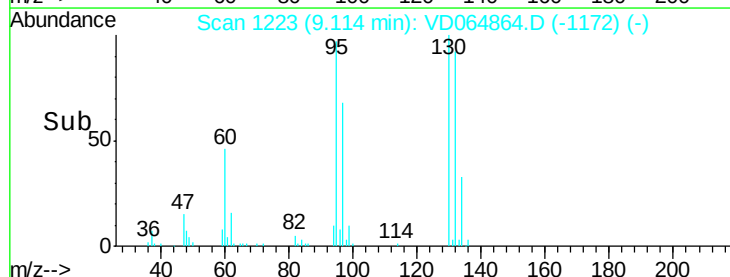
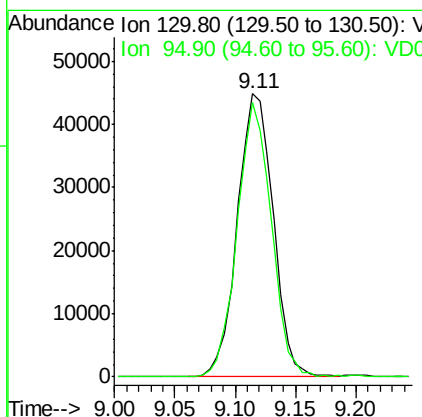
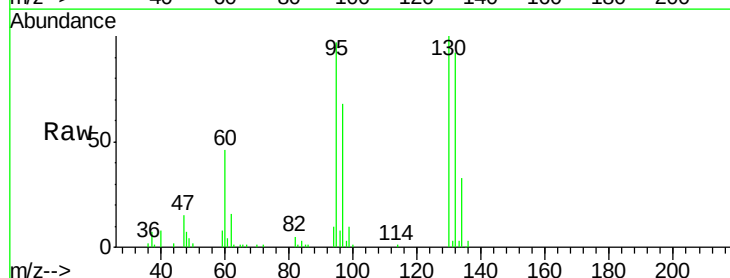
RT: 9.11 min Scan# 1223

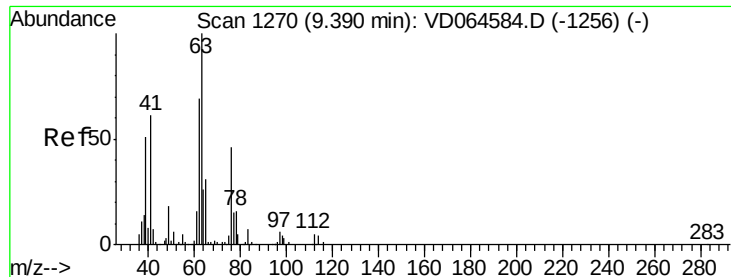
Delta R.T. 0.00 min

Lab File: VD064864.D

Acq: 17 Jan 2020 15:44

Tgt Ion:	130	Resp:	92962
Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	190.2





#45

1,2-Dichloropropane

Concen: 24.470 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064864.D

Acq: 17 Jan 2020 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBSD01

Tot Ion: 63 Resp: 79283

Ion Ratio Lower Upper

63 100

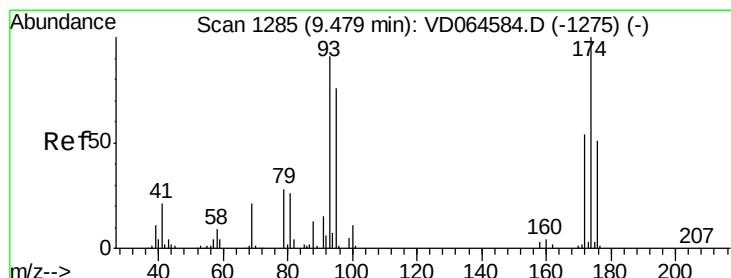
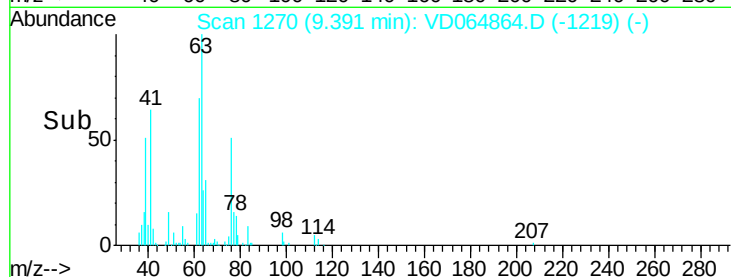
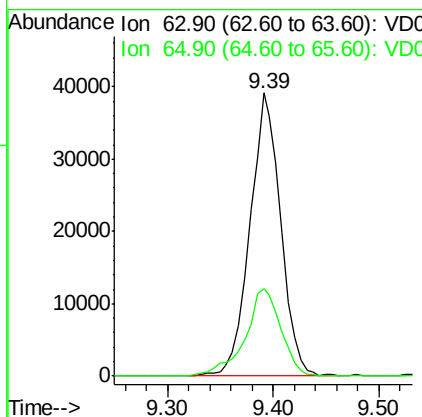
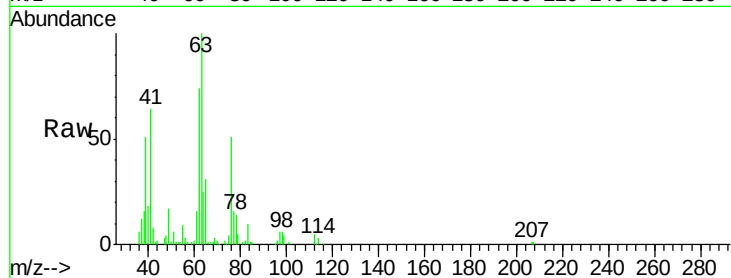
65 30.9 25.2 37.8

Manual Integrations

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1/20/2020 11:14:29 AM



#46

Dibromomethane

Concen: 23.955 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064864.D

Acq: 17 Jan 2020 15:44

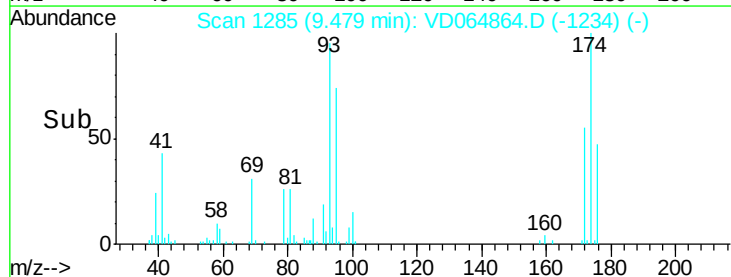
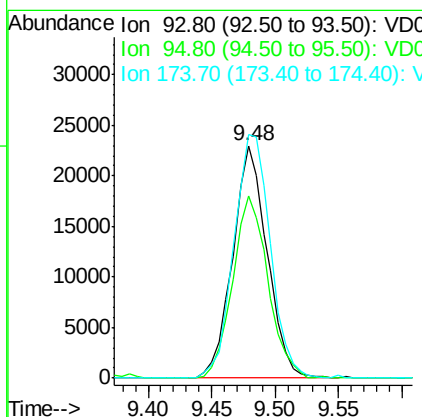
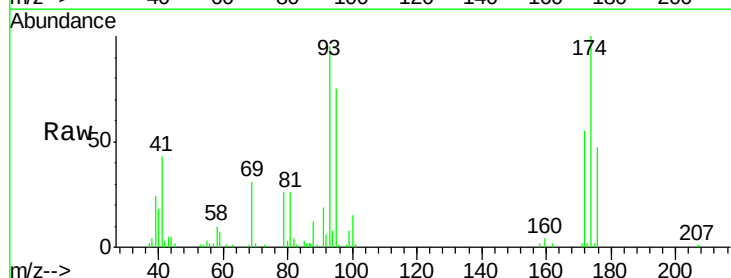
Tgt Ion: 93 Resp: 43272

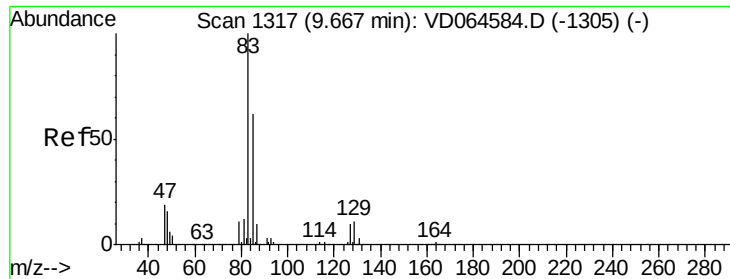
Ion Ratio Lower Upper

93 100

95 80.1 64.6 97.0

174 110.6 88.1 132.1





#47

Bromodichloromethane

Concen: 23.910 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064864.D

Acq: 17 Jan 2020 15:44

Instrument :

MSVOA_D

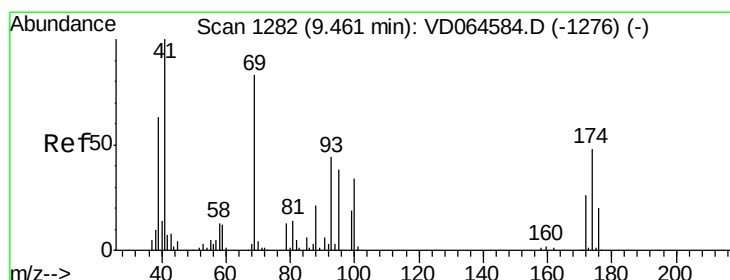
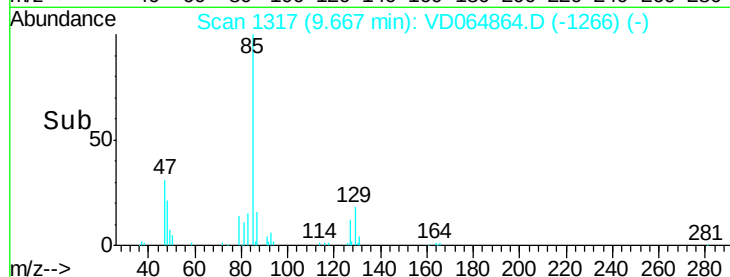
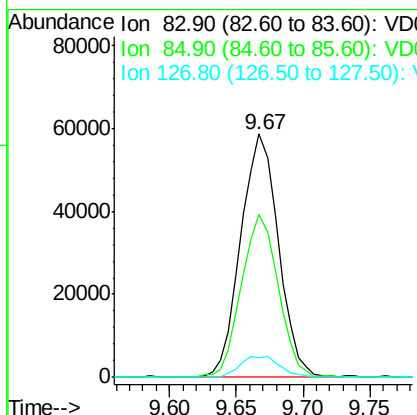
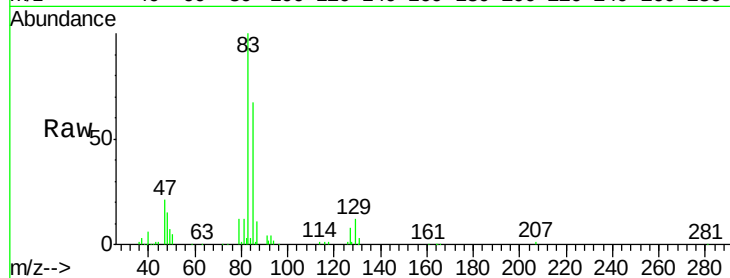
ClientSampleId :

VD0117SBS01

Tot Ion:	83	Resp:	114931
Ion	Ratio	Lower	Upper
83	100		
85	66.8	49.5	74.3
127	8.1	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.892 ug/l

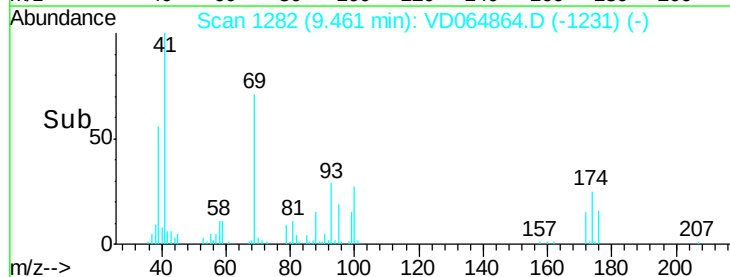
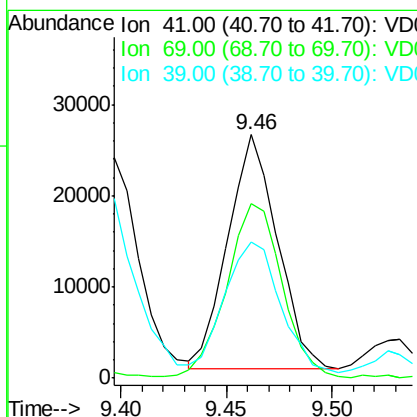
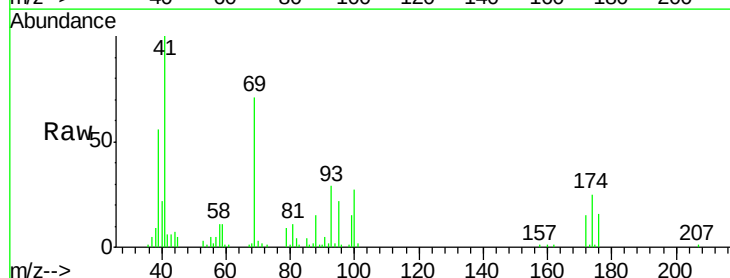
RT: 9.46 min Scan# 1282

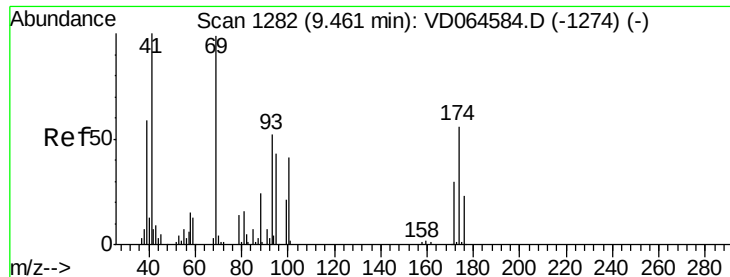
Delta R.T. 0.00 min

Lab File: VD064864.D

Acq: 17 Jan 2020 15:44

Tgt Ion:	41	Resp:	41897
Ion	Ratio	Lower	Upper
41	100		
69	83.3	63.0	94.6
39	62.5	47.4	71.2





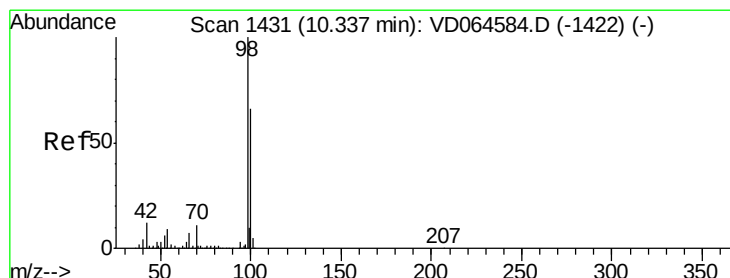
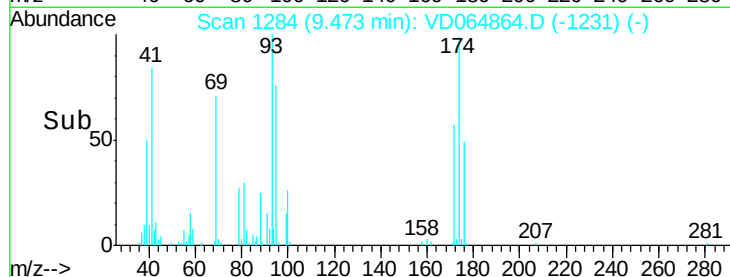
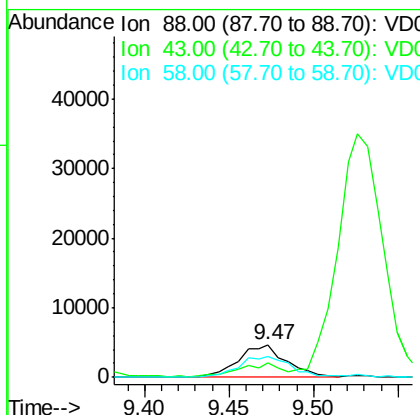
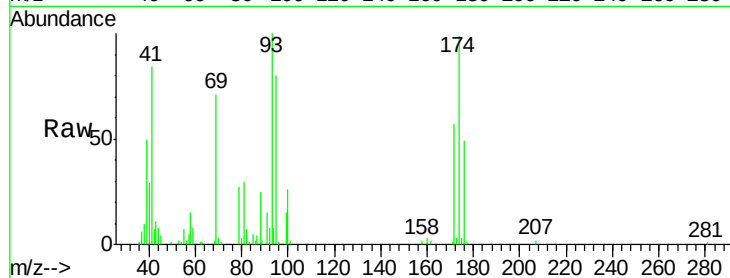
#49
1,4-Dioxane
Concen: 438.234 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBSD01

Tot Ion	88	Resp	9128
Ion	Ratio	Lower	Upper
88	100		
43	38.8	27.7	41.5
58	70.8	53.8	80.6

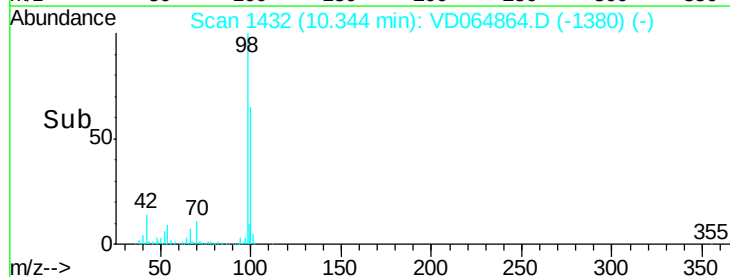
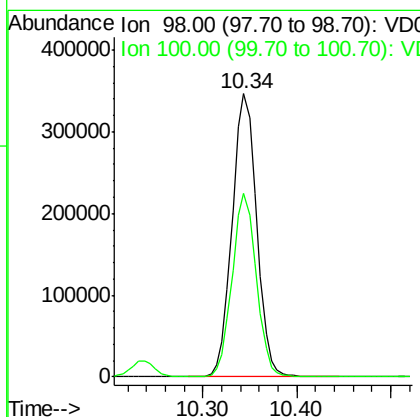
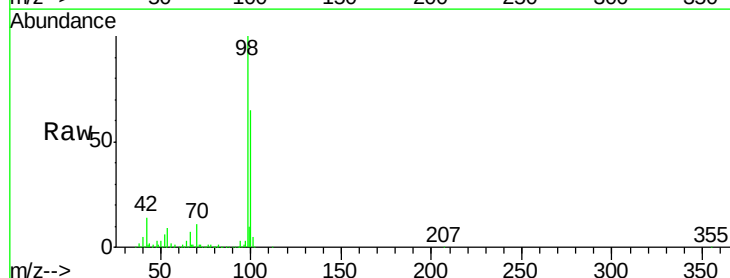
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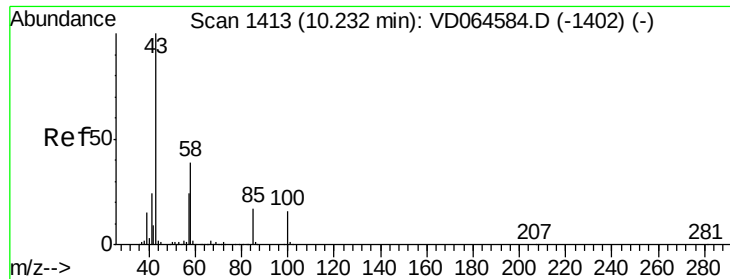
MMDadoda
1/20/2020 11:14:29 AM



#50
Toluene-d8
Concen: 51.913 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Tgt Ion	98	Resp	629970
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.7	77.5





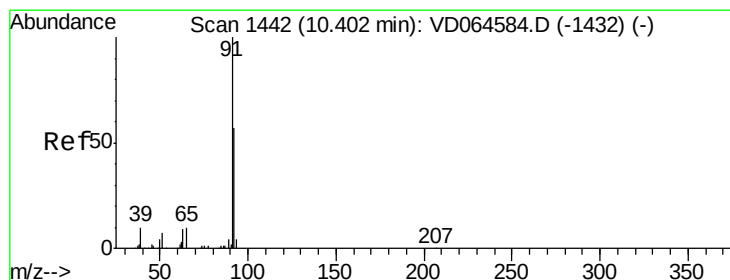
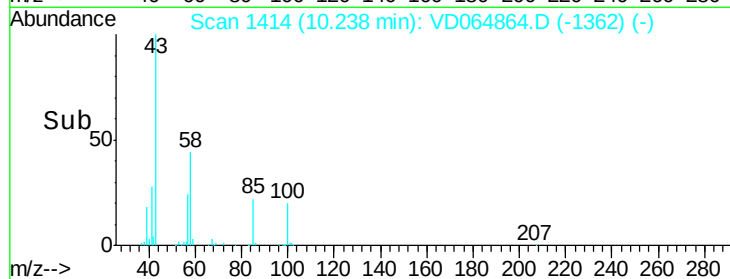
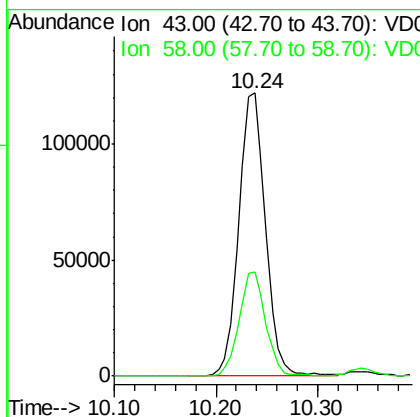
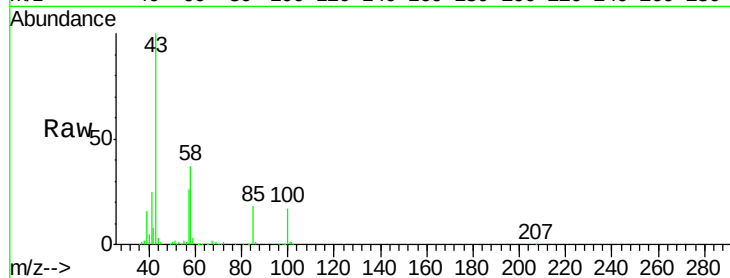
#51
4-Methyl-2-Pentanone
Concen: 115.892 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.01 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.7	30.2	45.2

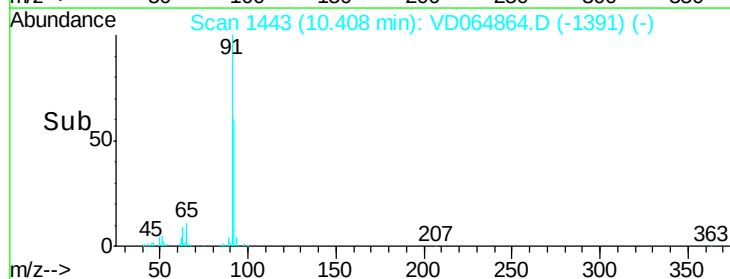
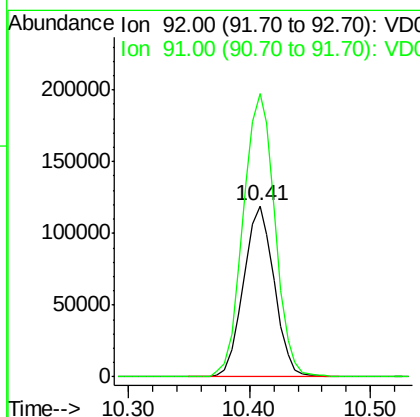
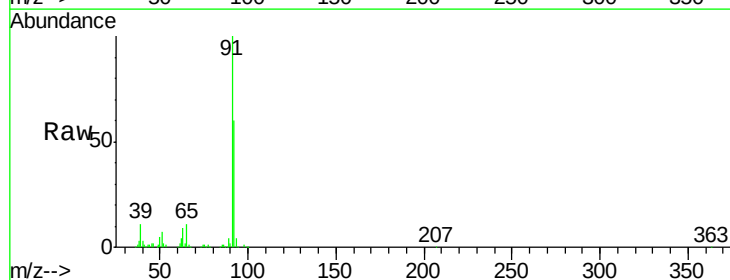
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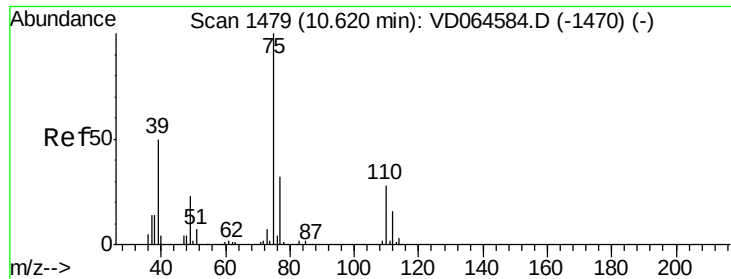
MMDadoda
1/20/2020 11:14:29 AM



#52
Toluene
Concen: 23.882 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.0	138.7	208.1





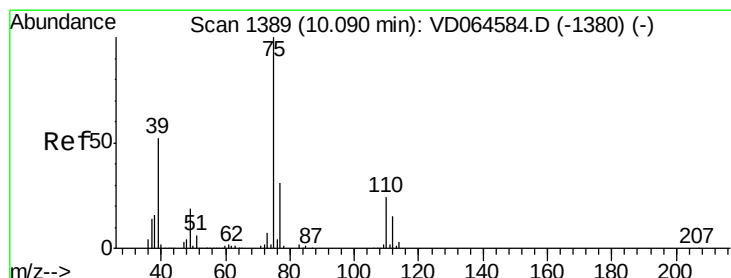
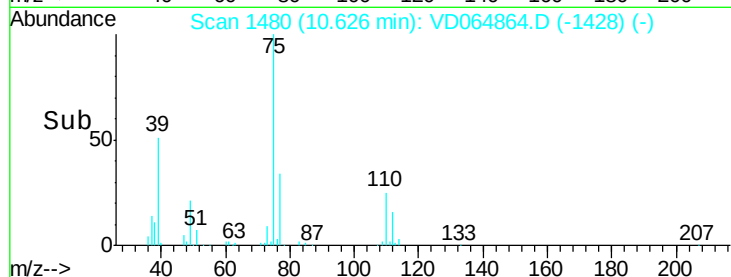
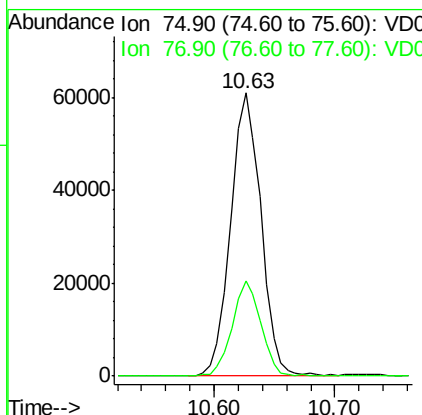
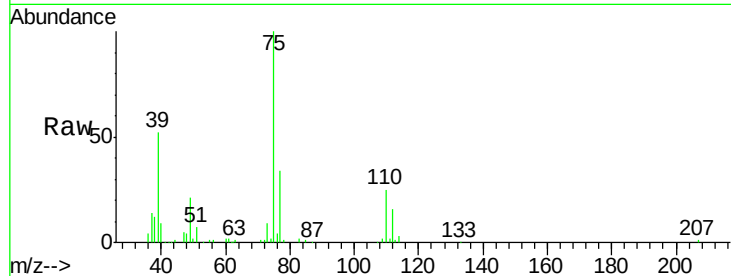
#53
t-1,3-Dichloropropene
Concen: 23.813 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS001

Tot Ion: 75 Resp: 106716
Ion Ratio Lower Upper
75 100
77 33.6 25.4 38.2

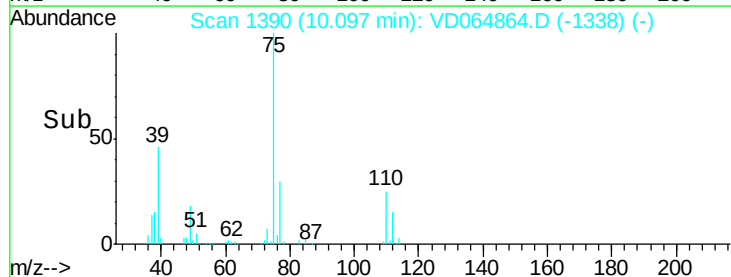
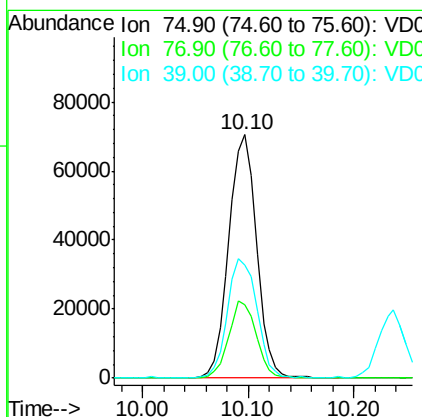
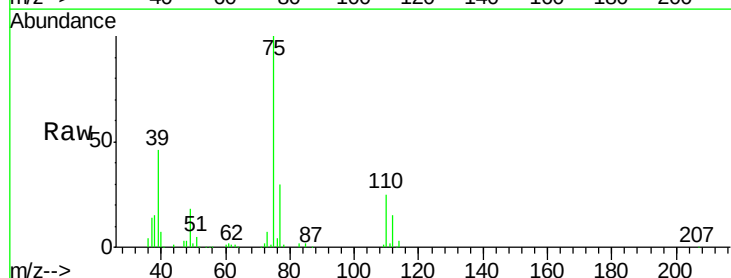
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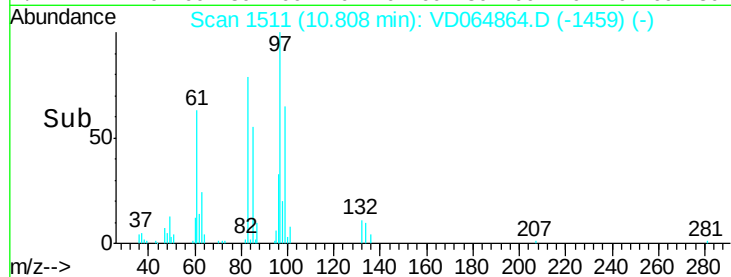
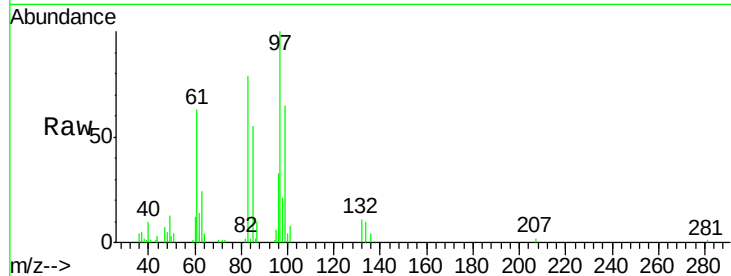
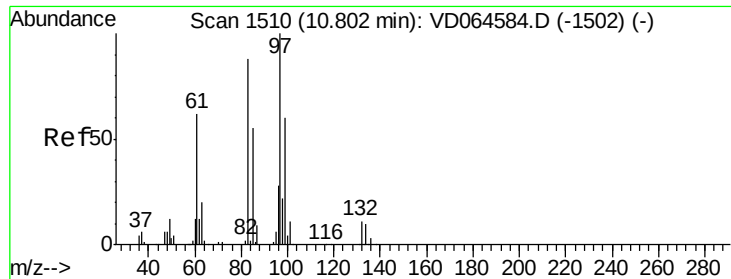
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 24.338 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Tgt Ion: 75 Resp: 128608
Ion Ratio Lower Upper
75 100
77 29.9 24.6 36.8
39 46.5 41.4 62.2





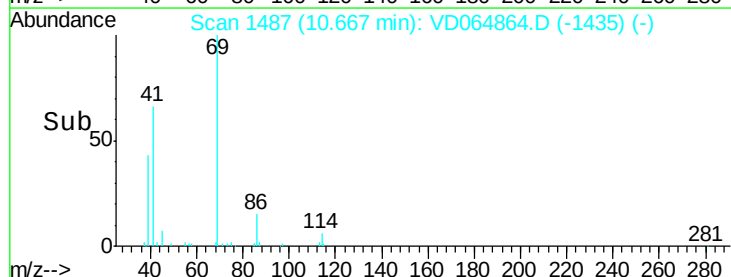
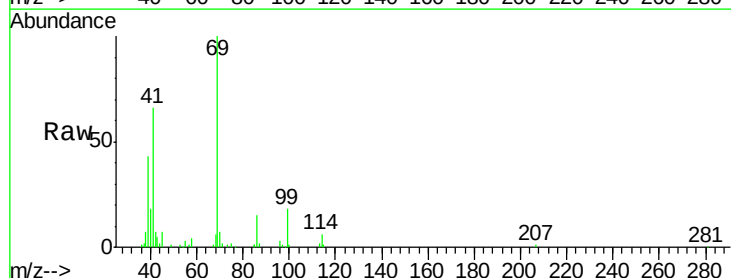
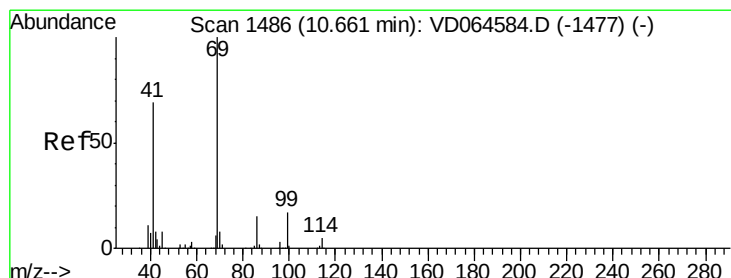
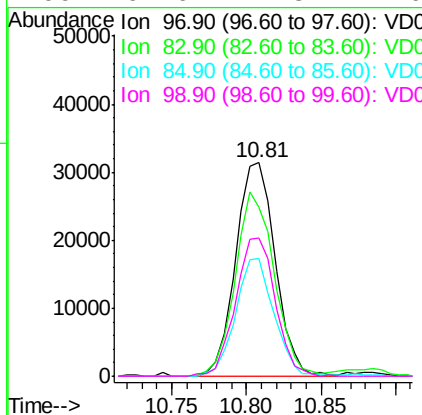
#55
1,1,2-Trichloroethane
Concen: 23.776 ug/l
RT: 10.81 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Tot Ion	97	Resp	57882
Ion Ratio	Lower	Upper	
97	100		
83	79.1	70.2	105.4
85	55.0	44.0	66.0
99	64.6	47.8	71.6

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

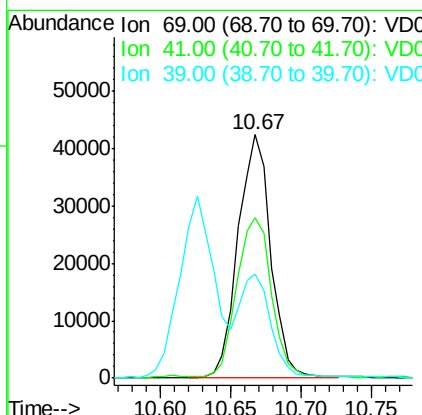
Manual Integrations
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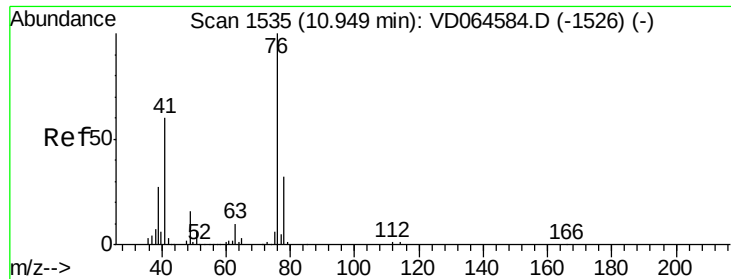
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1/20/2020 11:14:29 AM



#56
Ethyl methacrylate
Concen: 22.733 ug/l
RT: 10.67 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Tgt Ion	69	Resp	69115
Ion Ratio	Lower	Upper	
69	100		
41	70.8	55.3	82.9
39	40.3	33.8	50.8





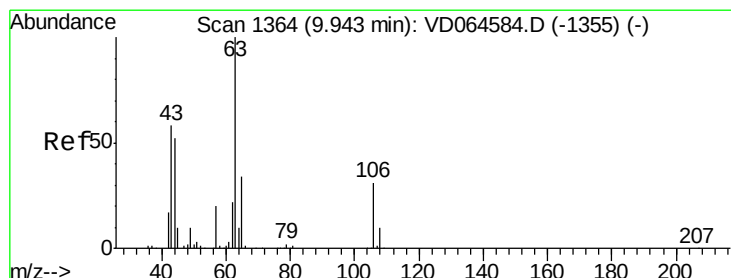
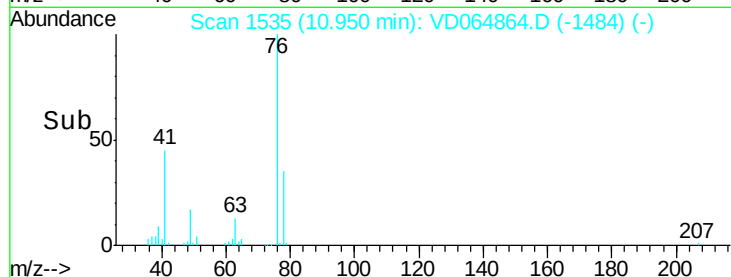
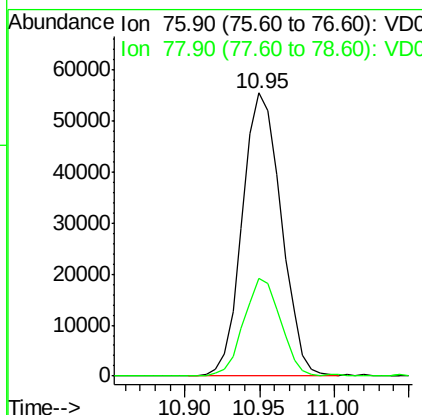
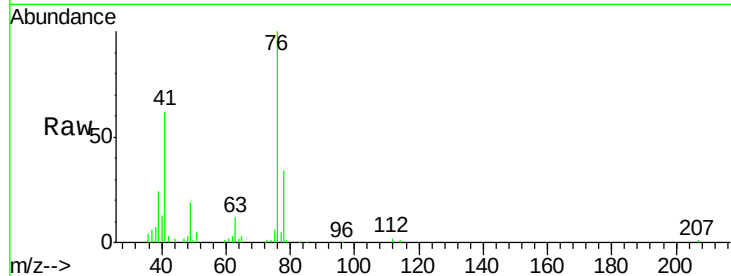
#57
 1,3-Dichloropropane
 Concen: 23.967 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064864.D
 Acq: 17 Jan 2020 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

Tot Ion: 76 Resp: 100462
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.4

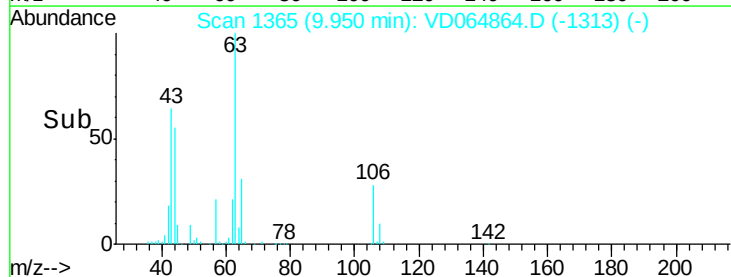
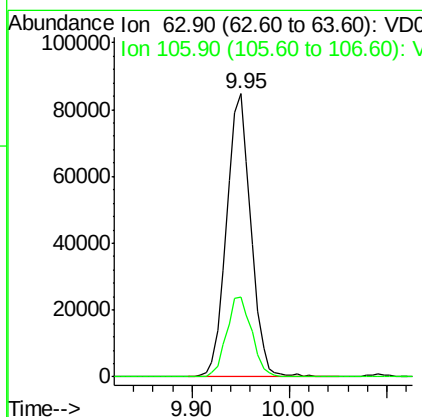
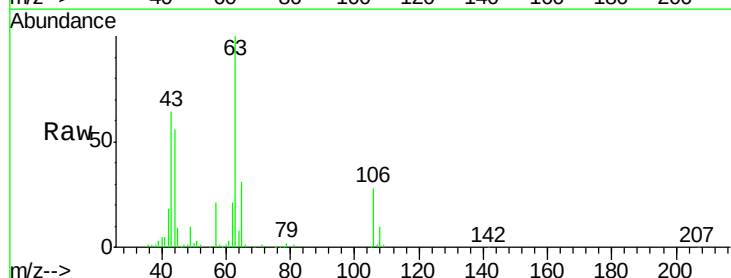
Manual Integrations
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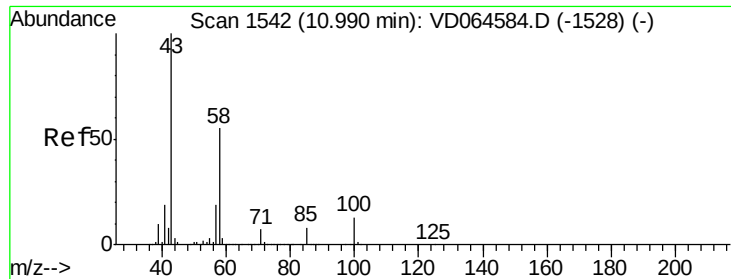
MMDadoda
 1/20/2020 11:14:29 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 126.455 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064864.D
 Acq: 17 Jan 2020 15:44

Tgt Ion: 63 Resp: 146476
 Ion Ratio Lower Upper
 63 100
 106 29.3 23.8 35.8





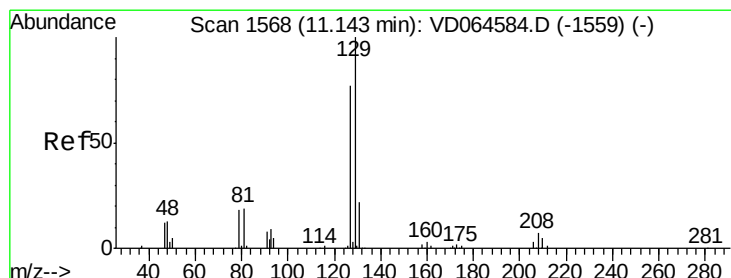
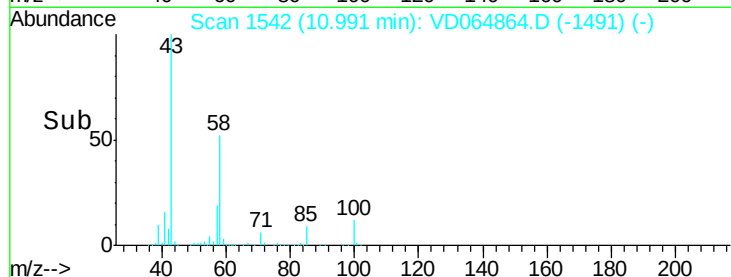
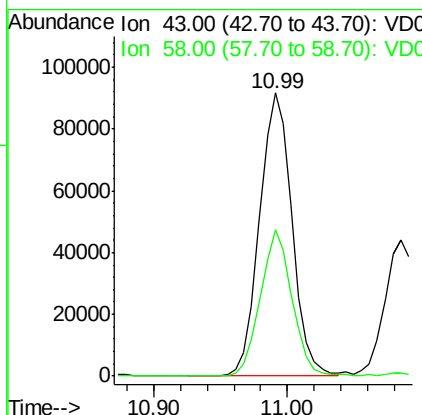
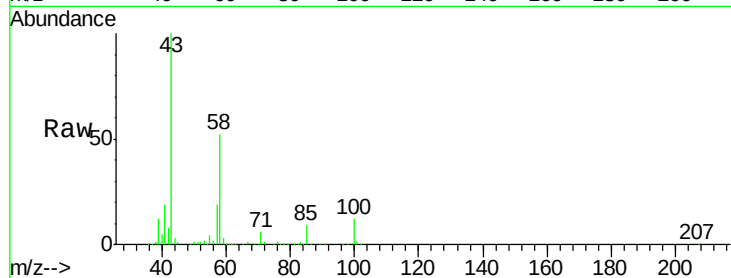
#59
2-Hexanone
Concen: 117.999 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tot Ion: 43 Resp: 153866
Ion Ratio Lower Upper
43 100
58 50.5 26.4 79.0

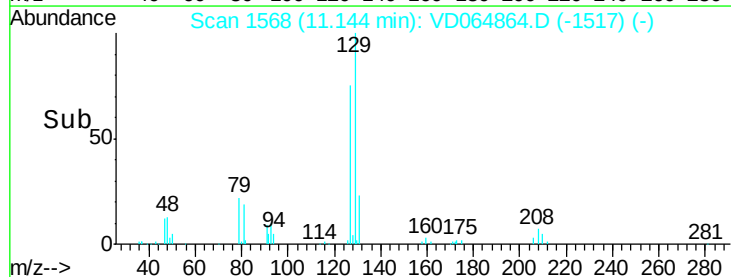
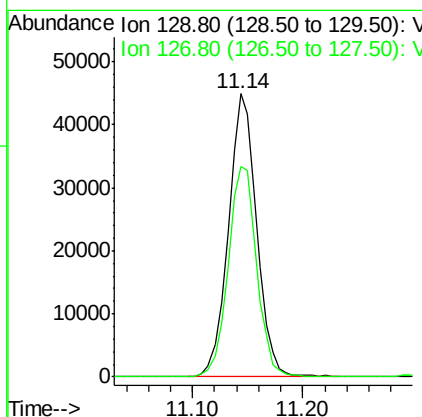
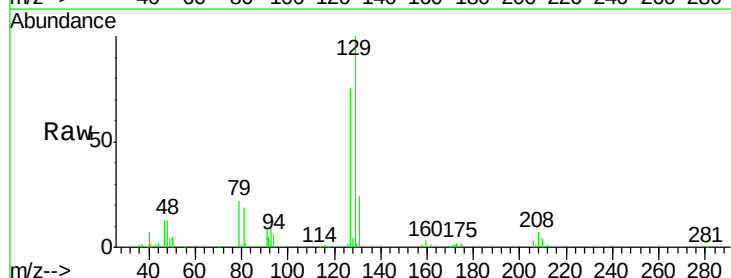
Manual Integrations
APPROVED

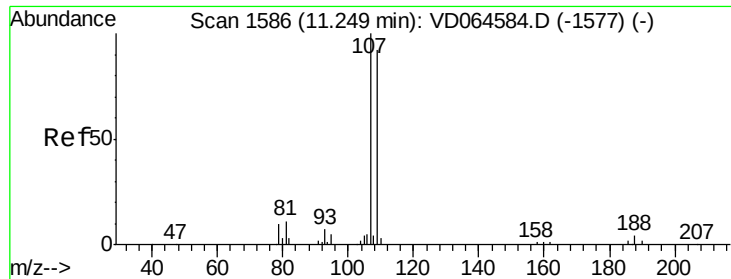
MMDadoda
1/20/2020 11:14:29 AM



#60
Dibromochloromethane
Concen: 23.824 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Tgt Ion: 129 Resp: 80204
Ion Ratio Lower Upper
129 100
127 75.3 38.4 115.2





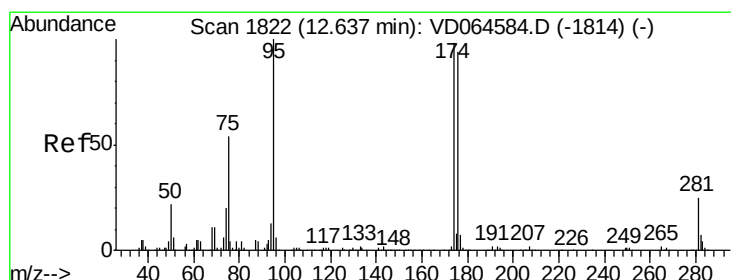
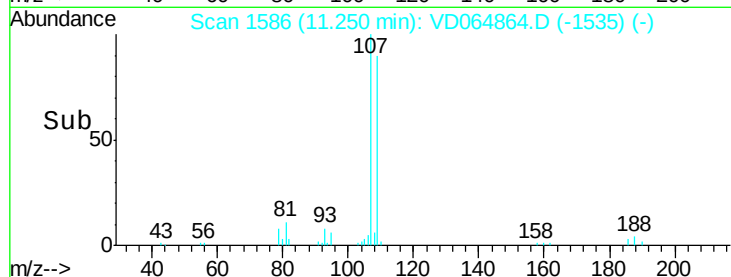
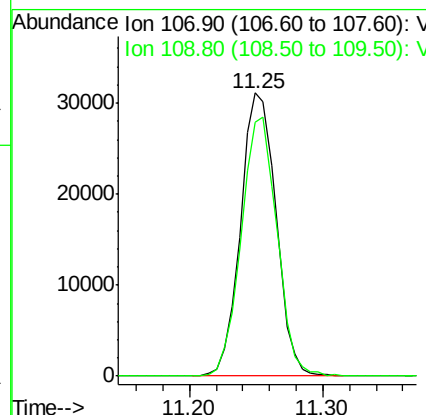
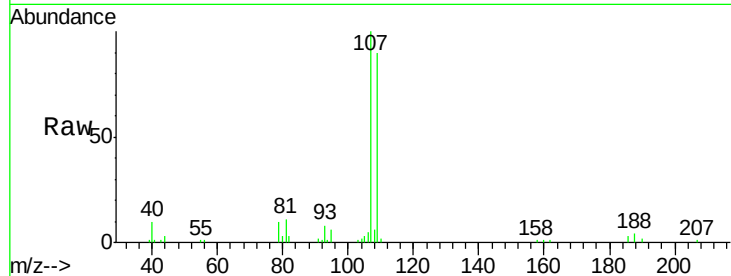
#61
 1,2-Dibromoethane
 Concen: 23.776 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064864.D
 Acq: 17 Jan 2020 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

Tot Ion: 107 Resp: 57089
 Ion Ratio Lower Upper
 107 100
 109 92.3 75.6 113.4

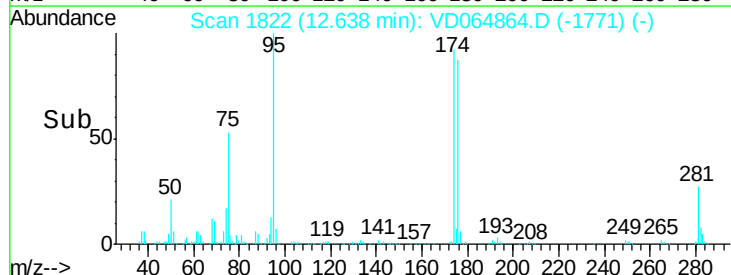
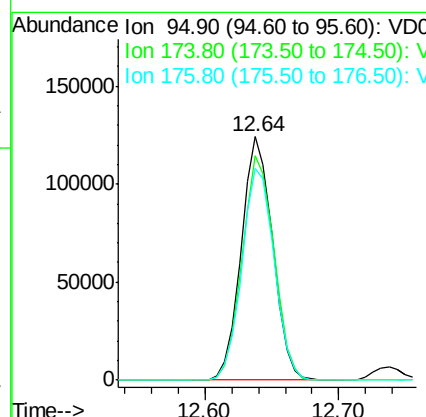
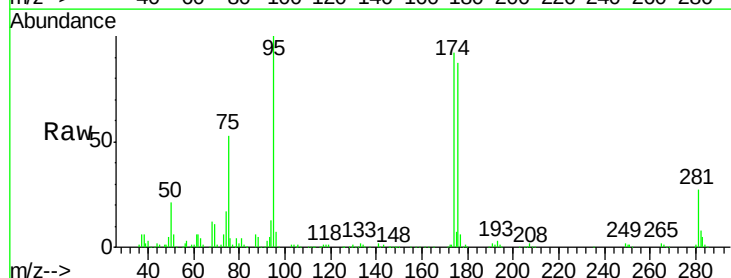
Manual Integrations
 APPROVED

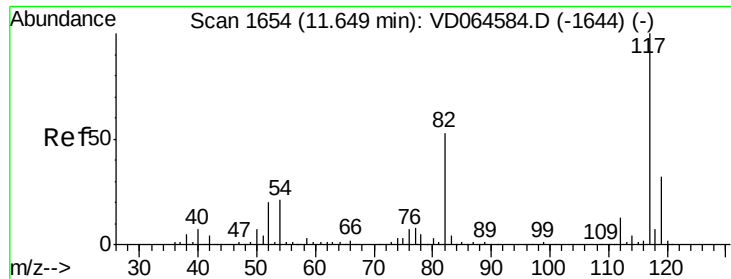
MMDadoda
 1/20/2020 11:14:29 AM



#62
 4-Bromofluorobenzene
 Concen: 52.395 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064864.D
 Acq: 17 Jan 2020 15:44

Tgt Ion: 95 Resp: 201054
 Ion Ratio Lower Upper
 95 100
 174 94.2 0.0 193.2
 176 89.8 0.0 184.2





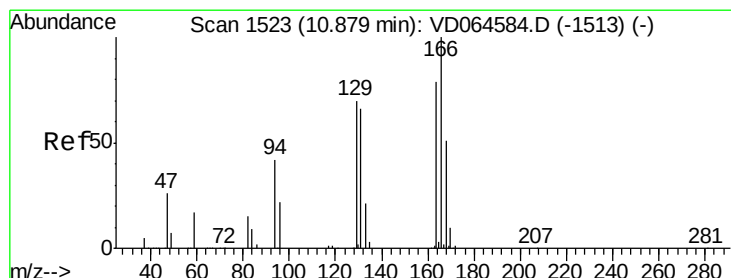
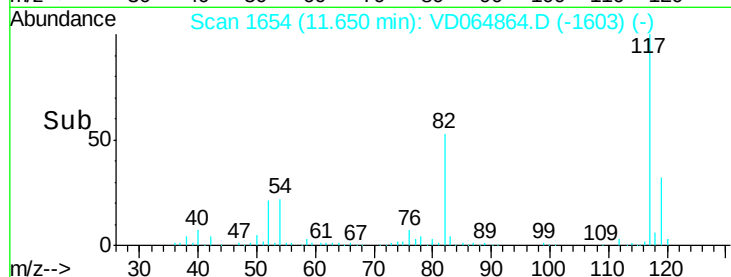
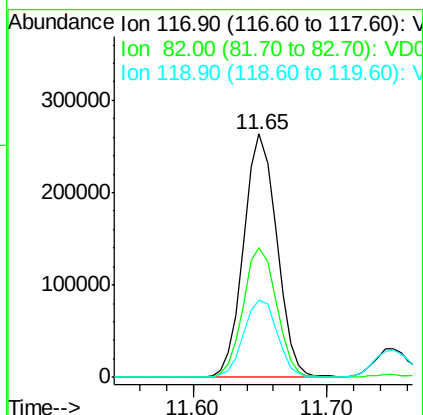
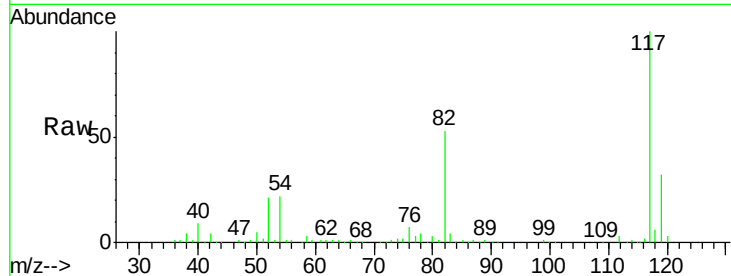
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	42.2	63.4
119	31.8	26.0	39.0

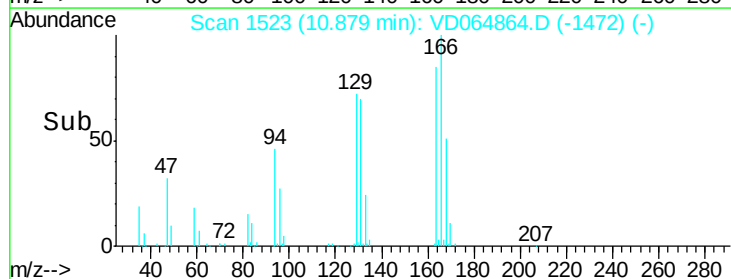
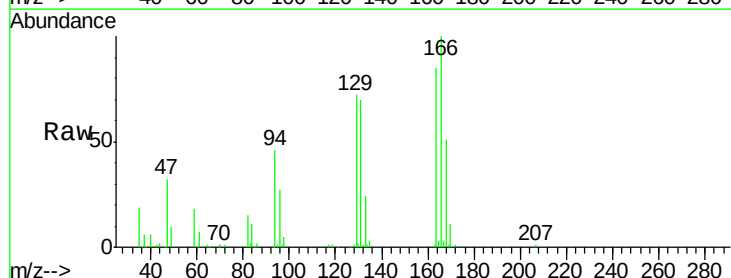
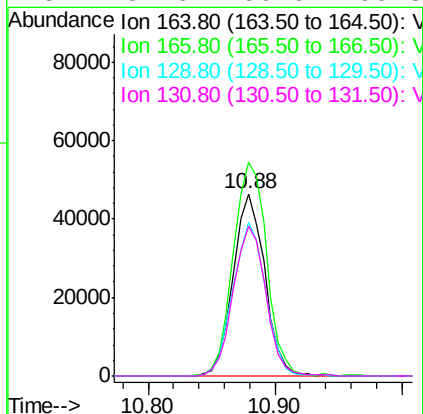
Manual Integrations
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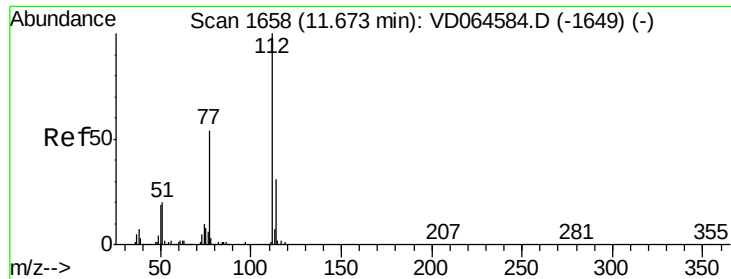
MMDadoda
1/20/2020 11:14:29 AM



#64
Tetrachloroethene
Concen: 23.008 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.3	101.3	151.9
129	84.7	70.5	105.7
131	82.6	66.6	99.8





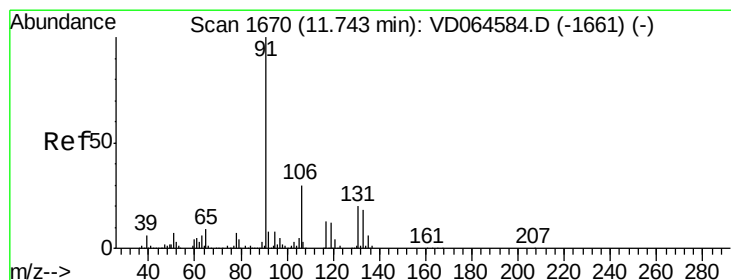
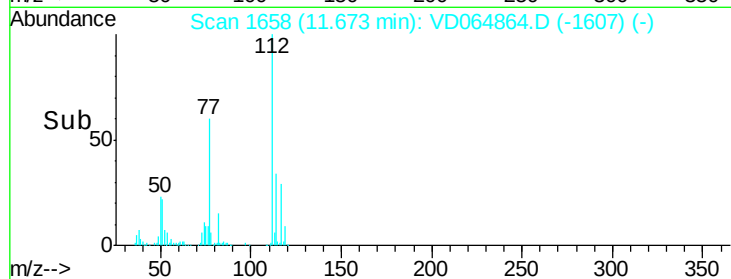
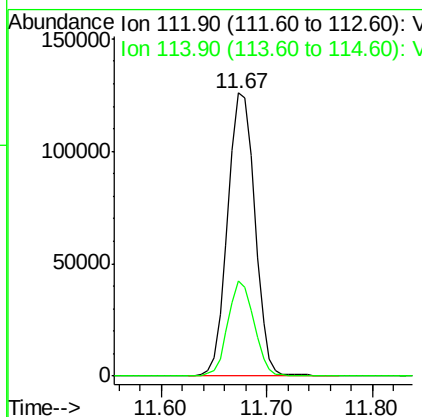
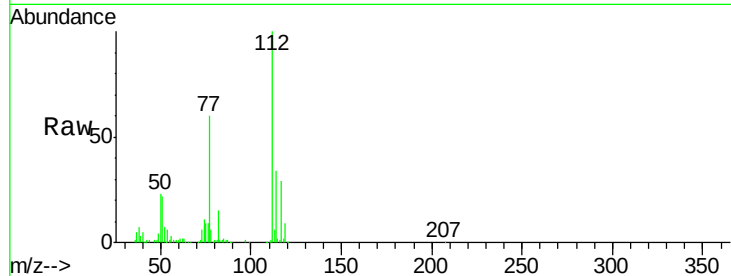
#65
Chlorobenzene
Concen: 23.836 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.7	24.8	37.2

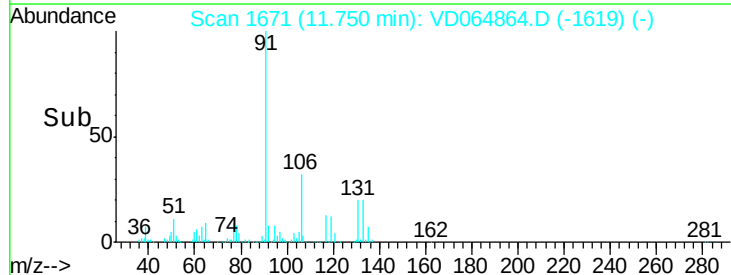
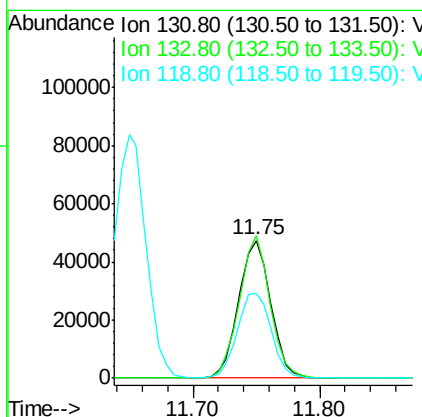
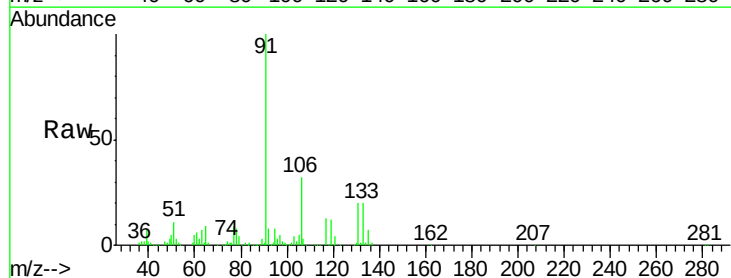
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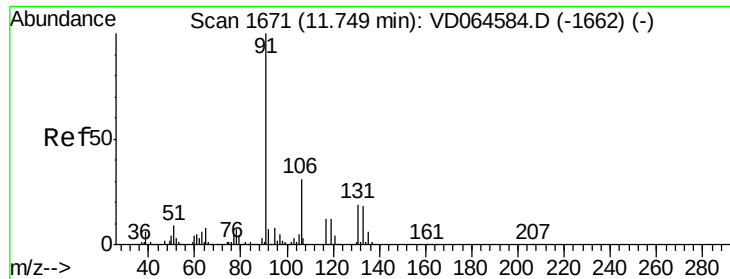
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.423 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.2	48.3	144.8
119	65.3	32.1	96.3





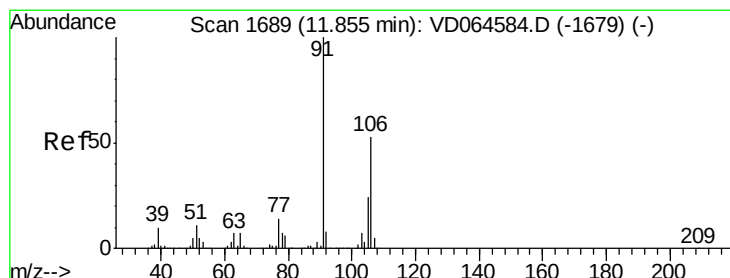
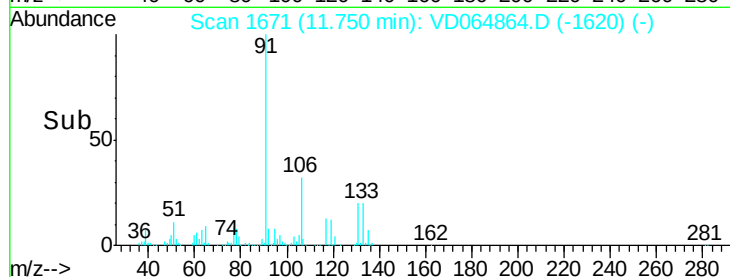
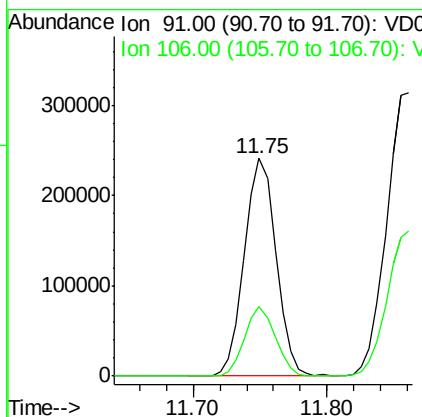
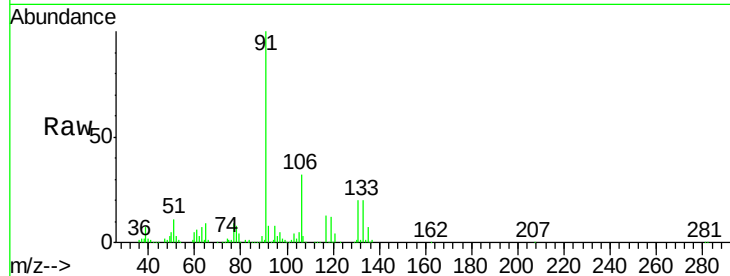
#67
Ethyl Benzene
Concen: 23.236 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tot Ion: 91 Resp: 397524
Ion Ratio Lower Upper
91 100
106 31.9 24.6 36.8

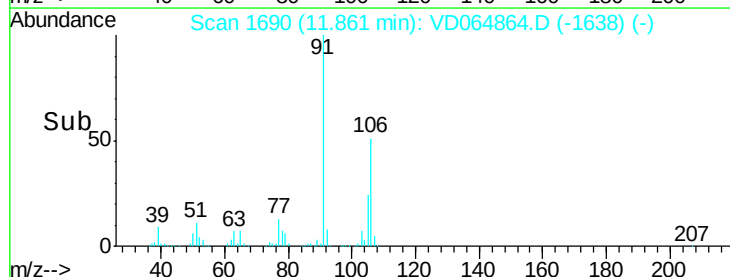
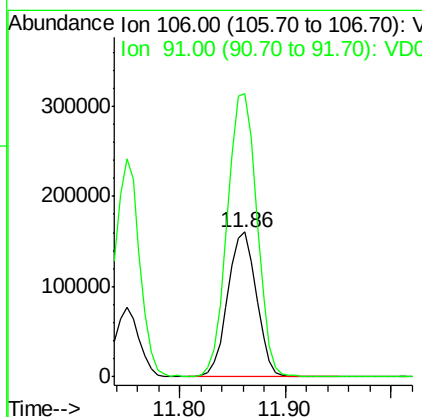
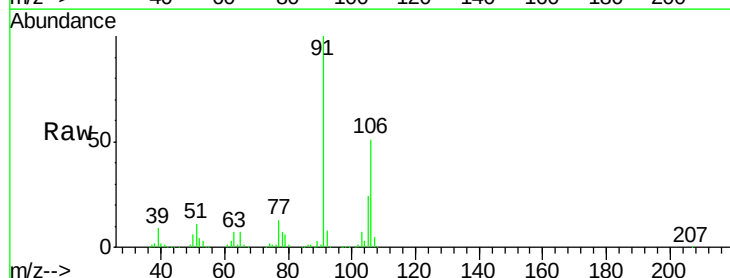
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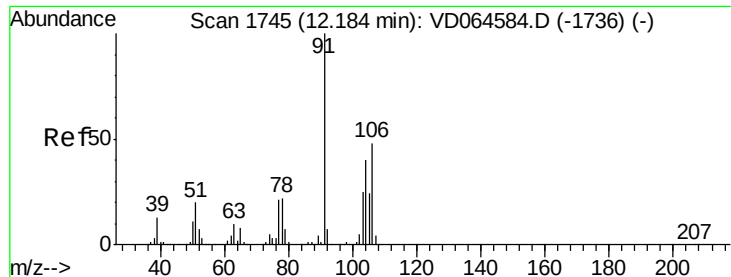
MMDadoda
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#68
m/p-Xylenes
Concen: 45.772 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Tgt Ion: 106 Resp: 302253
Ion Ratio Lower Upper
106 100
91 201.2 156.3 234.5





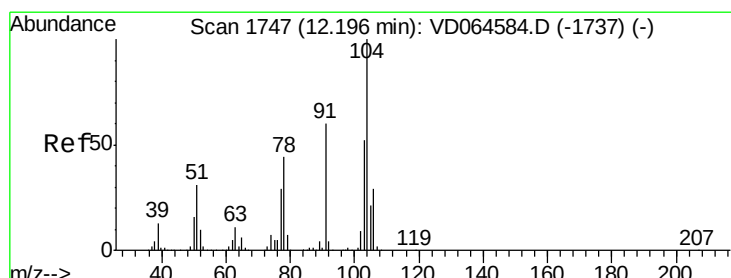
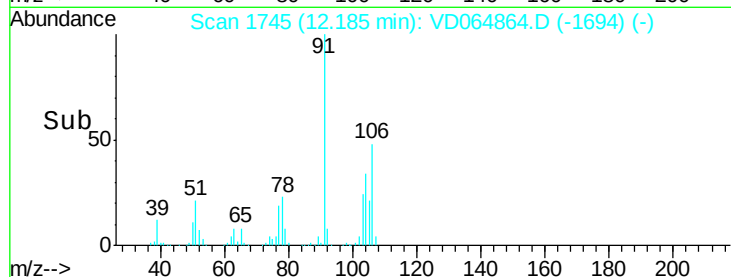
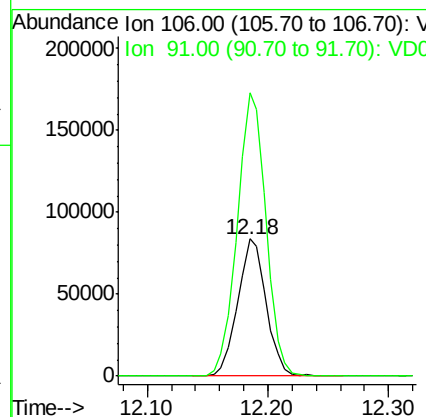
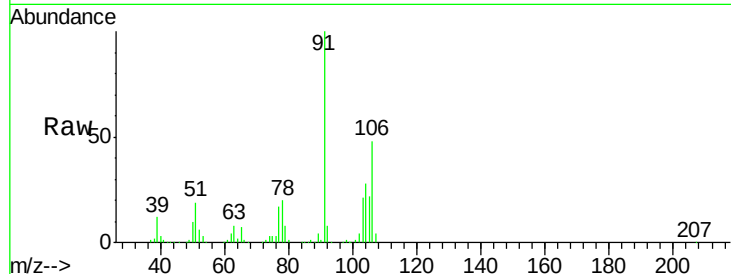
#69
o-Xylene
Concen: 23.016 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.7	104.8	314.4

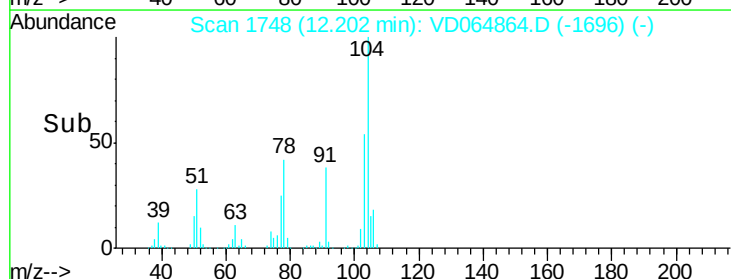
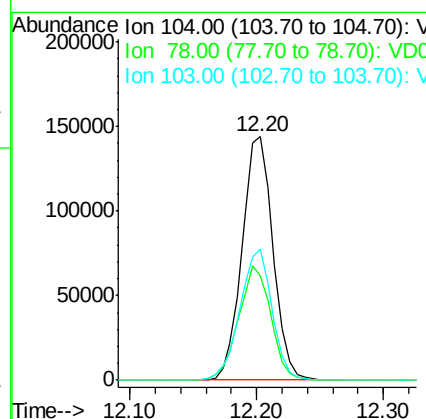
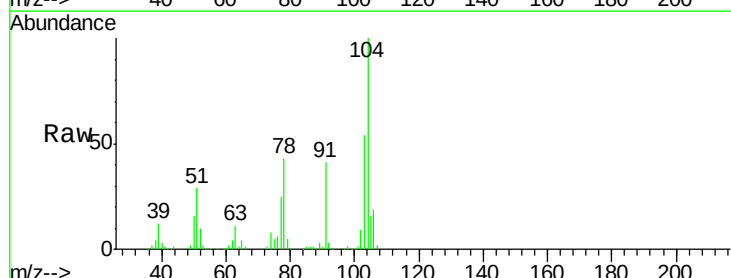
Manual Integrations
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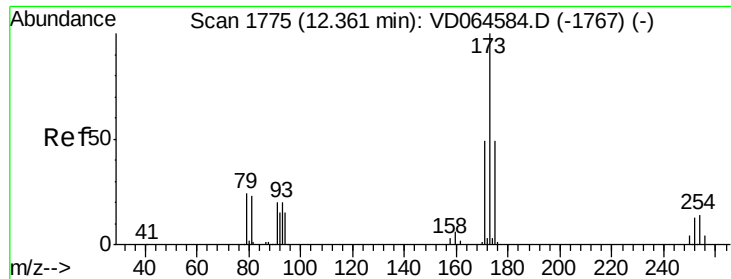
MMDadoda
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#70
Styrene
Concen: 23.233 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.9	38.2	57.2
103	55.9	44.6	67.0





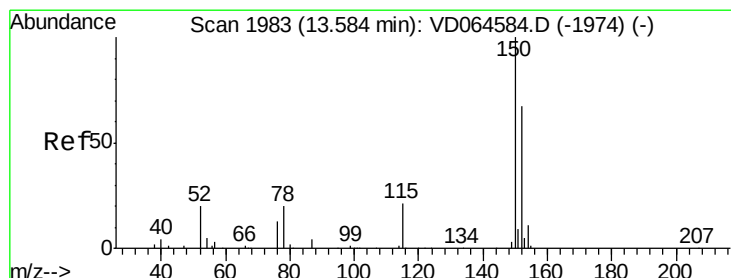
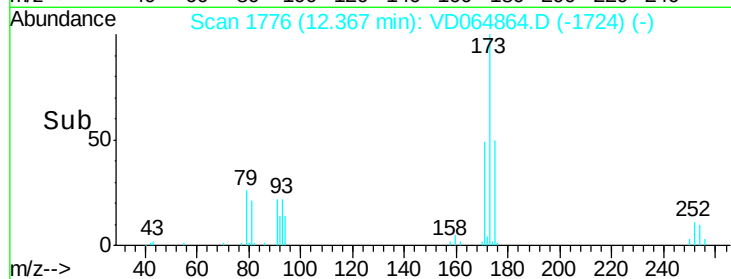
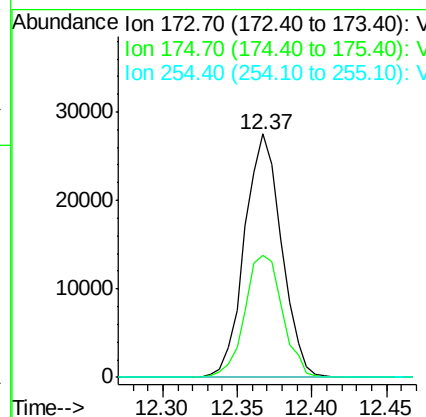
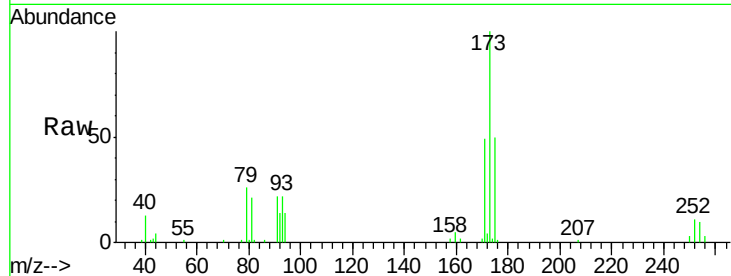
#71
Bromoform
Concen: 23.286 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.9	24.6	73.8
254	0.0	0.1	0.1#

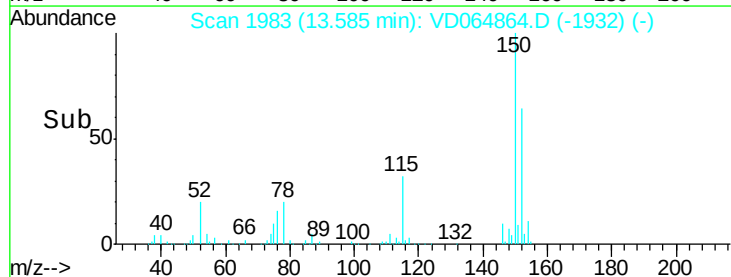
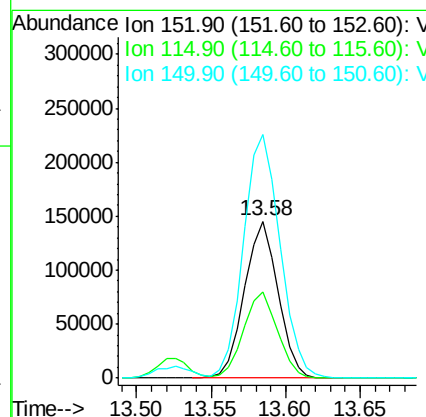
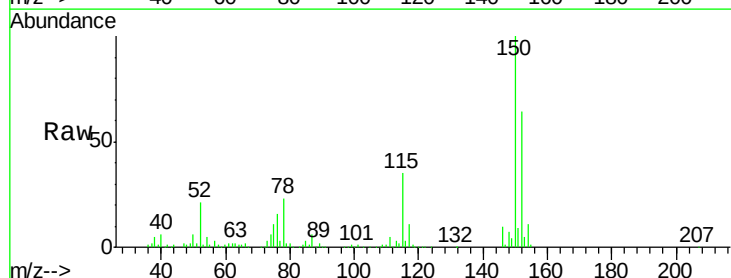
Manual Integrations
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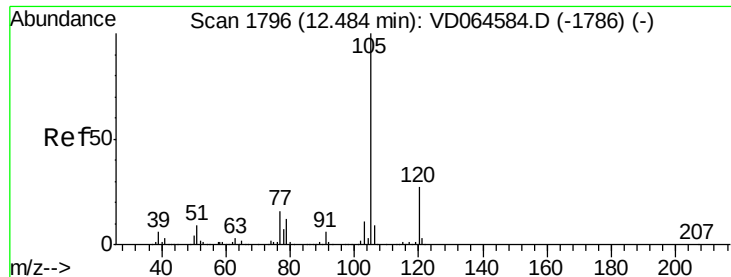
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	27.8	83.4
150	168.0	0.0	351.4





#73

Isopropylbenzene

Concen: 22.896 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064864.D

Acq: 17 Jan 2020 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

Tot Ion:105 Resp: 371634

Ion Ratio Lower Upper

105 100

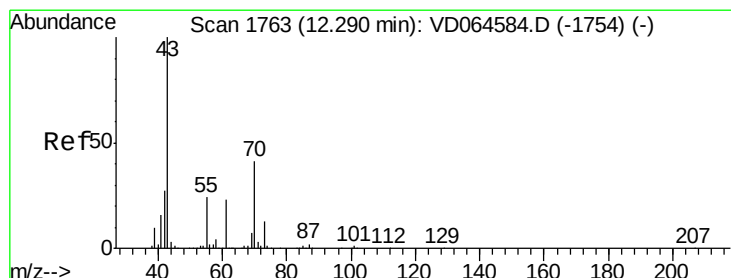
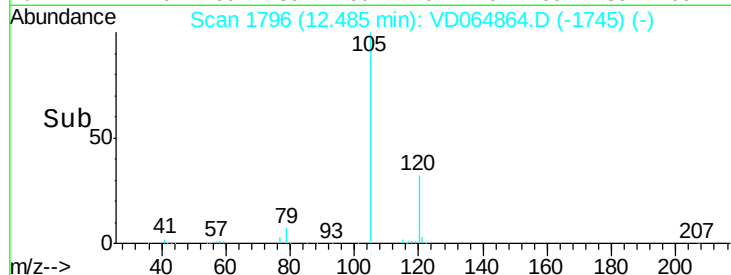
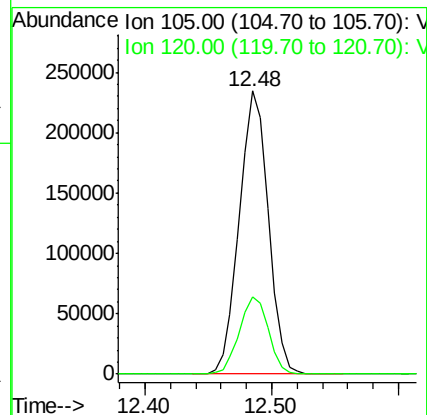
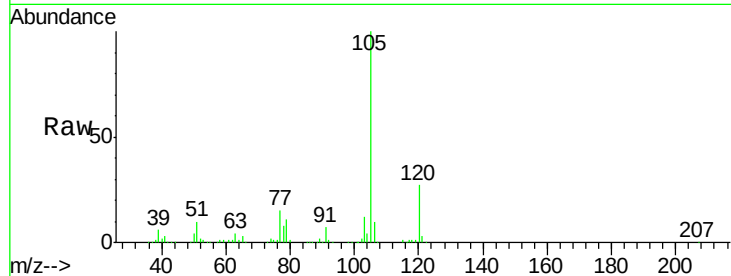
120 27.4 13.5 40.5

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#74

N-ethyl acetate

Concen: 22.301 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064864.D

Acq: 17 Jan 2020 15:44

Tgt Ion: 43 Resp: 77380

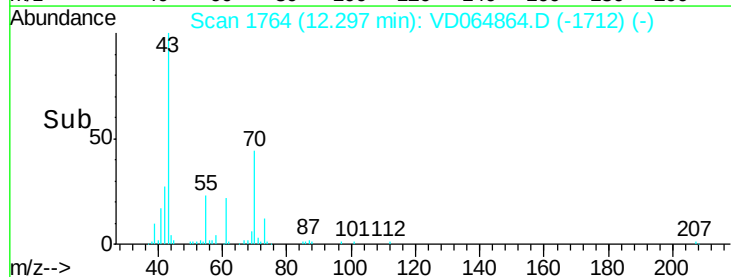
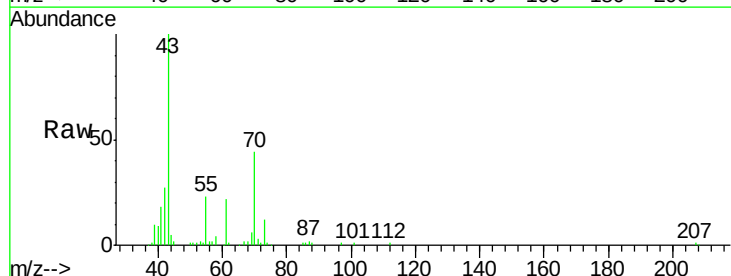
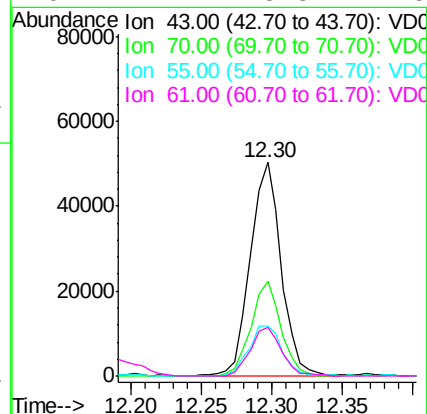
Ion Ratio Lower Upper

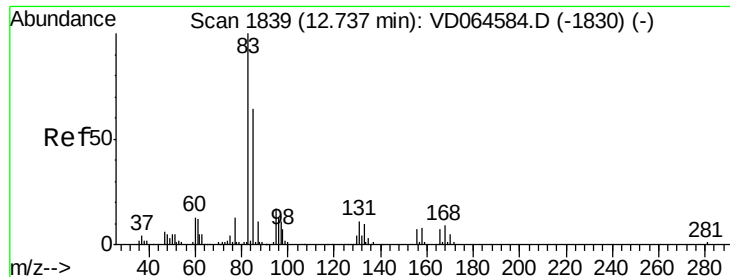
43 100

70 42.8 33.4 50.0

55 25.3 19.4 29.0

61 22.7 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 24.221 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064864.D

Acq: 17 Jan 2020 15:44

Instrument :

MSVOA_D

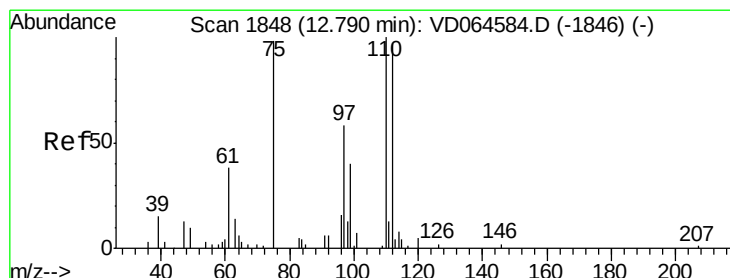
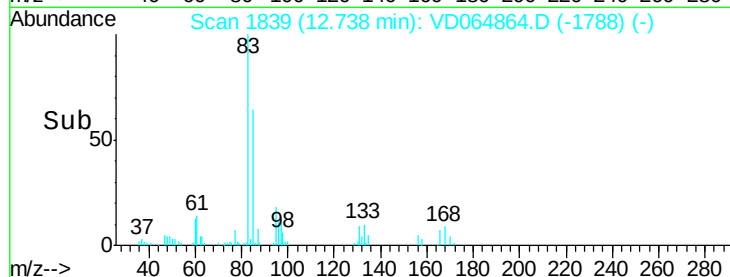
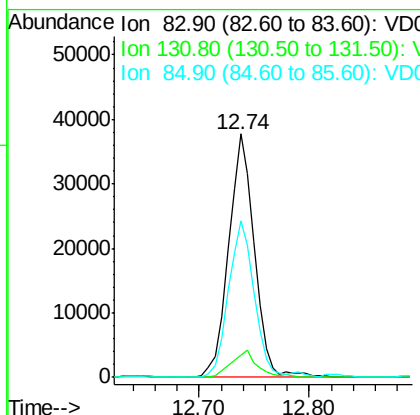
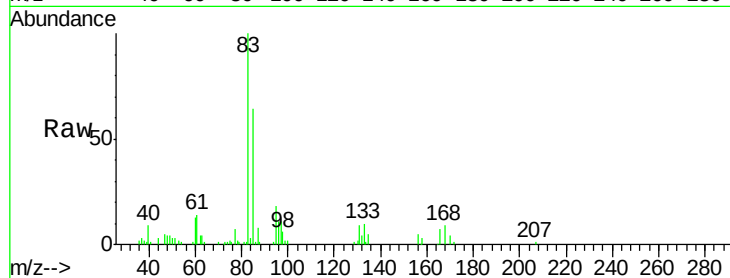
ClientSampleId :

VD0117SBSD01

Tot Ion:	83	Resp:	61760
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.8	17.4
85	63.7	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 22.178 ug/l m

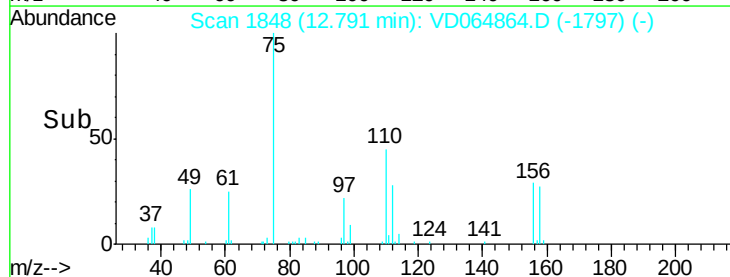
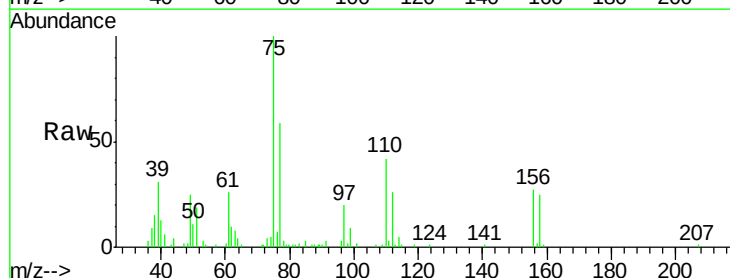
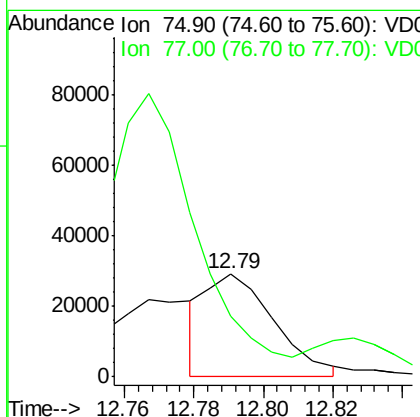
RT: 12.79 min Scan# 1848

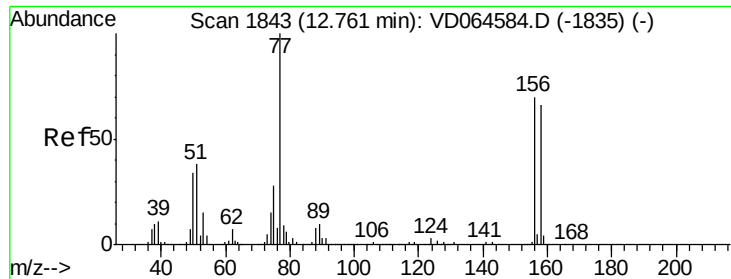
Delta R.T. 0.00 min

Lab File: VD064864.D

Acq: 17 Jan 2020 15:44

Tgt Ion:	75	Resp:	39778
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.862 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064864.D

Acq: 17 Jan 2020 15:44

Instrument :

MSVOA_D

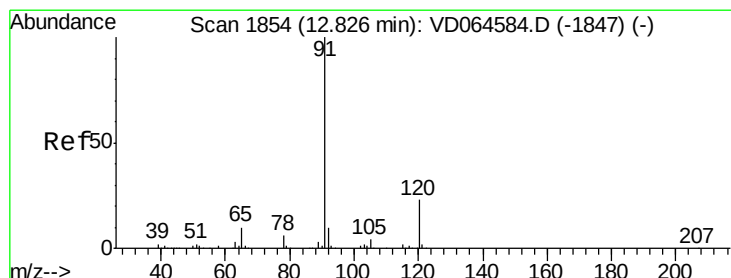
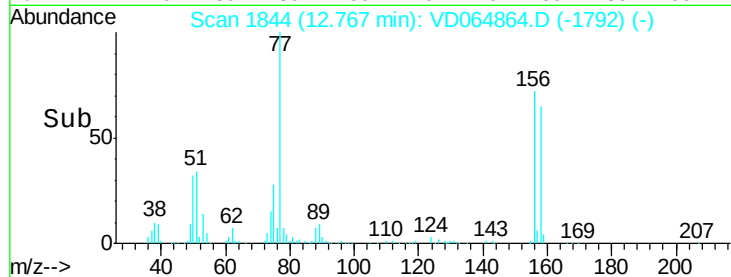
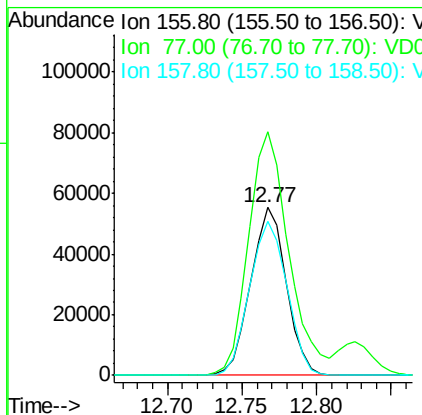
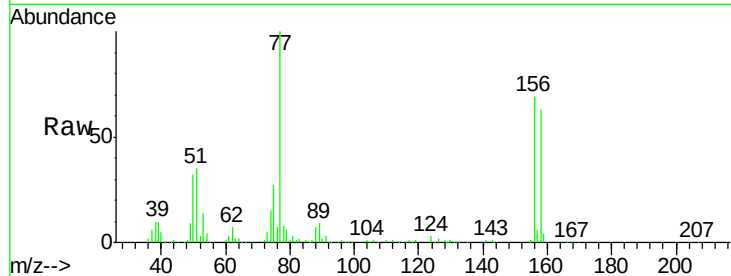
ClientSampleId :

VD0117SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	164.6	80.9	242.7
158	96.4	48.0	144.2

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#78

n-propylbenzene

Concen: 23.630 ug/l

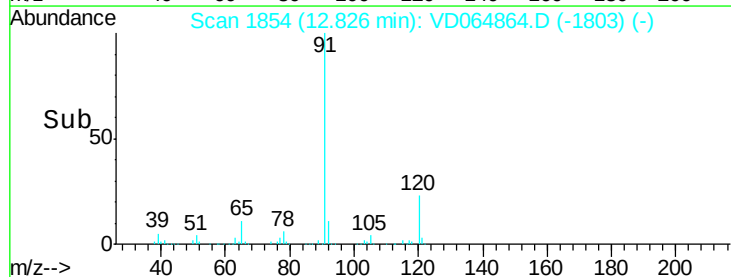
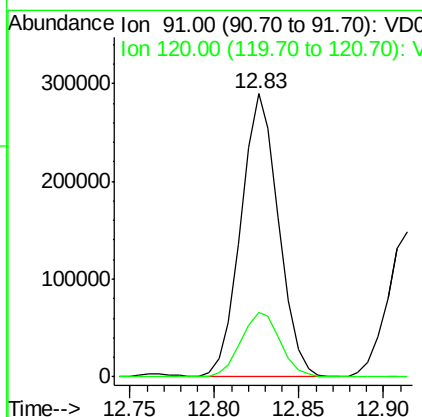
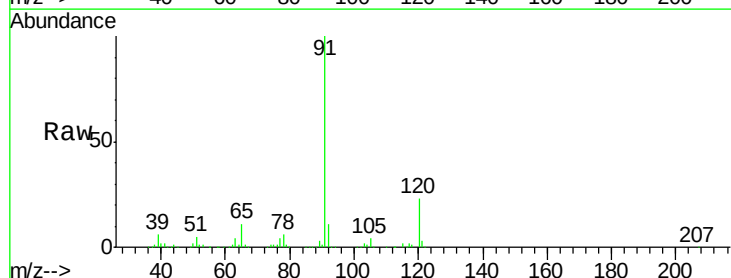
RT: 12.83 min Scan# 1854

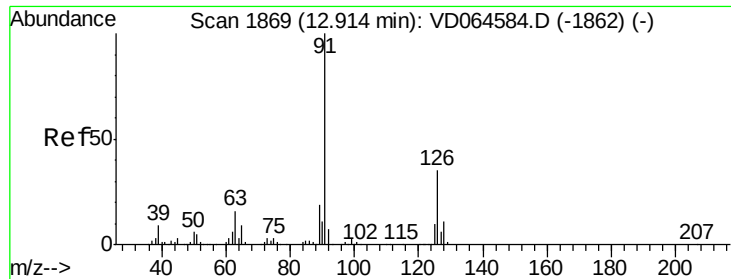
Delta R.T. 0.00 min

Lab File: VD064864.D

Acq: 17 Jan 2020 15:44

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.9





#79

2-Chlorotoluene

Concen: 24.031 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064864.D

Acq: 17 Jan 2020 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBSD01

Tot Ion: 91 Resp: 249975

Ion Ratio Lower Upper

91 100

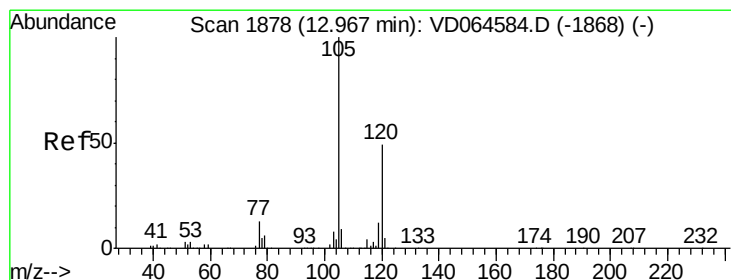
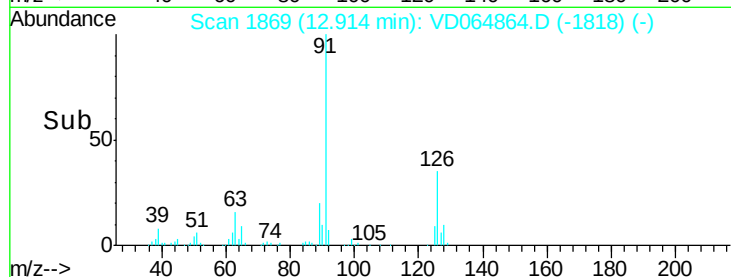
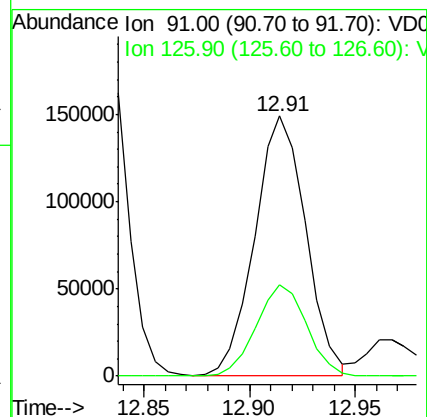
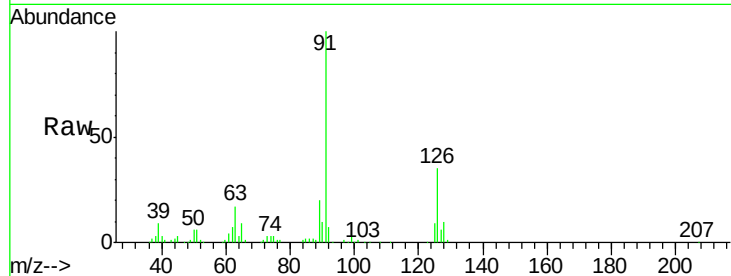
126 34.8 17.8 53.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 23.414 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064864.D

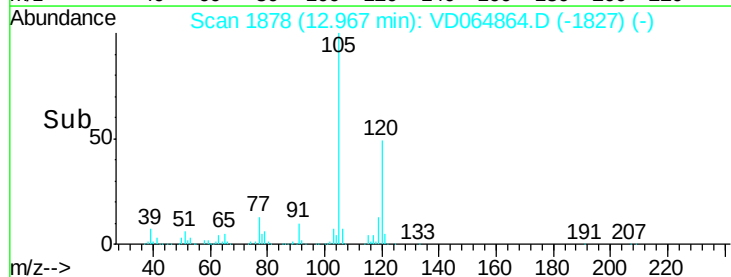
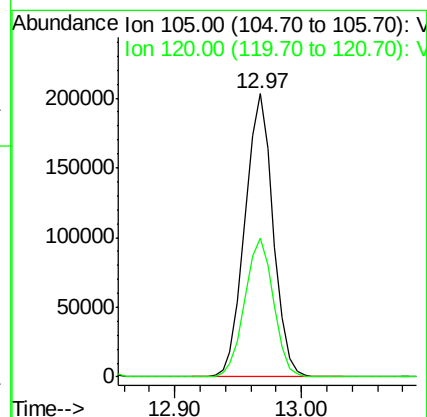
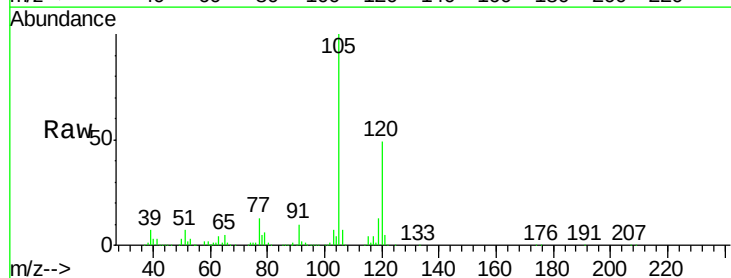
Acq: 17 Jan 2020 15:44

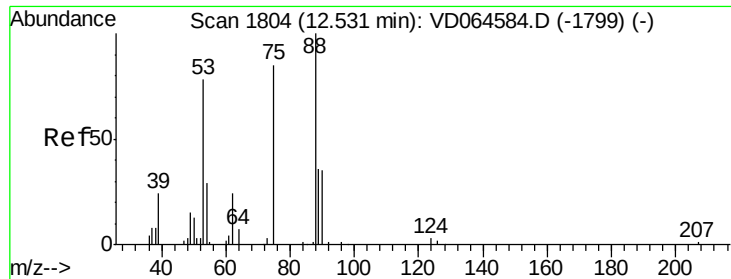
Tgt Ion:105 Resp: 312186

Ion Ratio Lower Upper

105 100

120 50.0 25.0 75.0





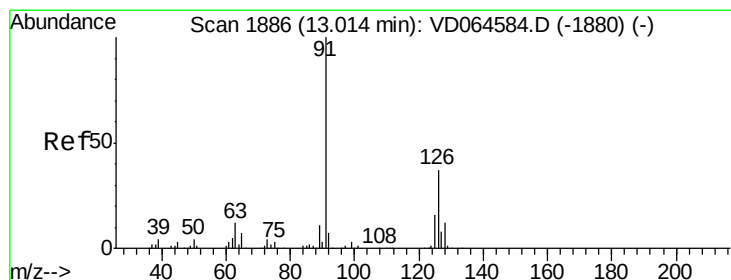
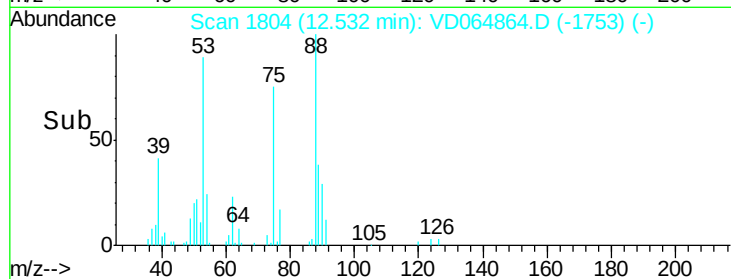
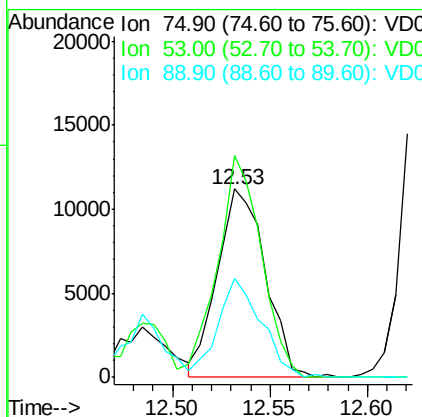
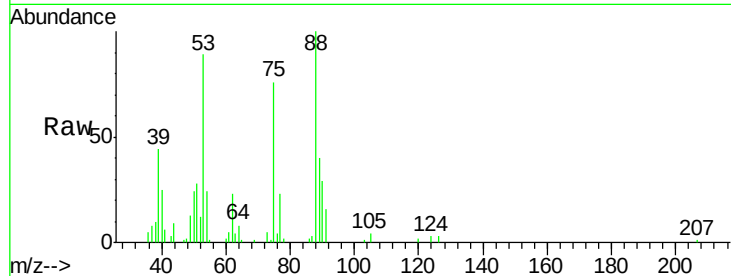
#81
trans-1,4-Dichloro-2-butene
Concen: 22.320 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.8	78.8	118.2
89	47.3	38.3	57.5

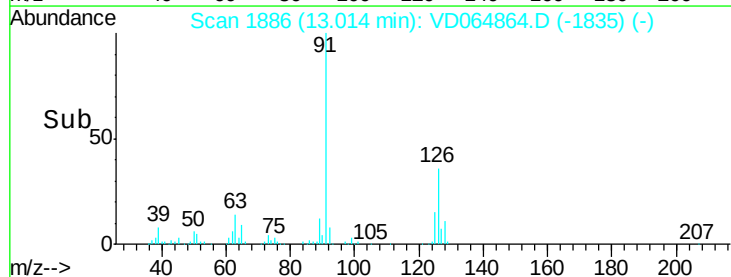
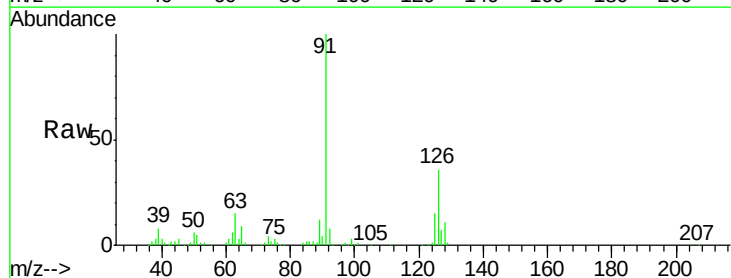
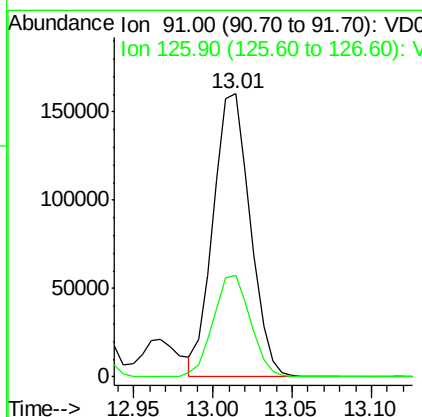
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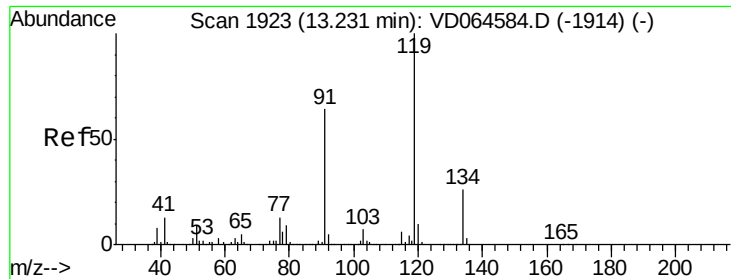
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#82
4-Chlorotoluene
Concen: 23.495 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	17.8	53.5





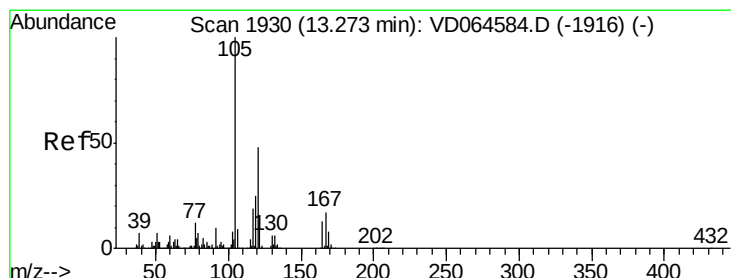
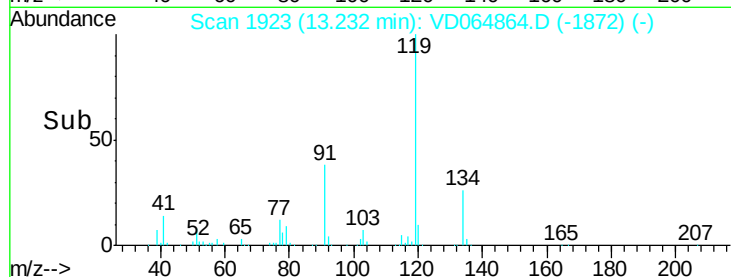
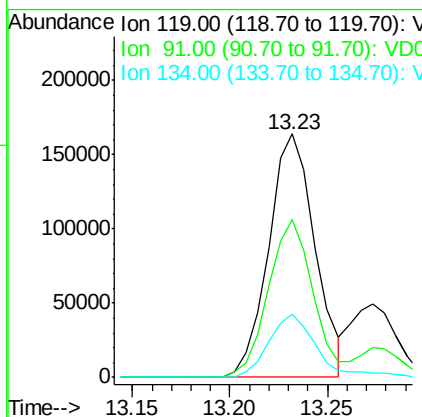
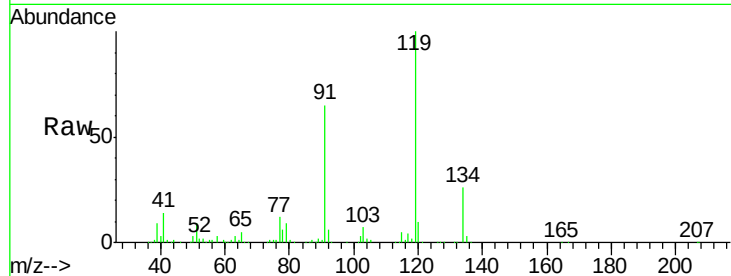
#83
 tert-Butylbenzene
 Concen: 23.245 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064864.D
 Acq: 17 Jan 2020 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.6	30.8	92.4
134	27.2	12.8	38.3

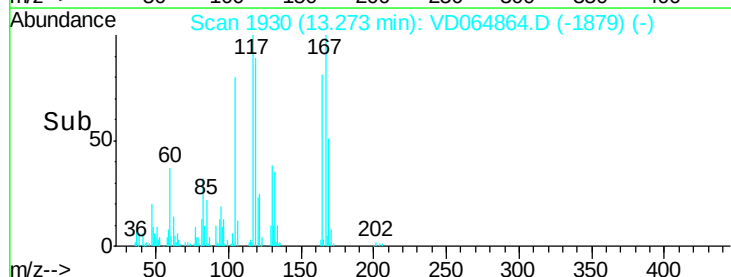
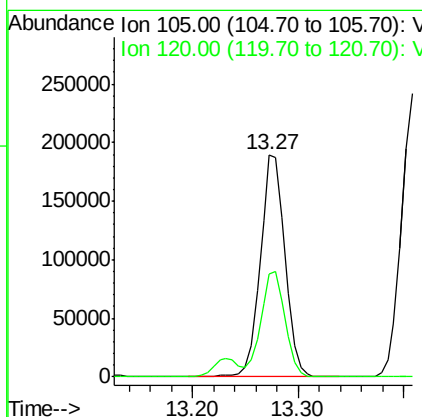
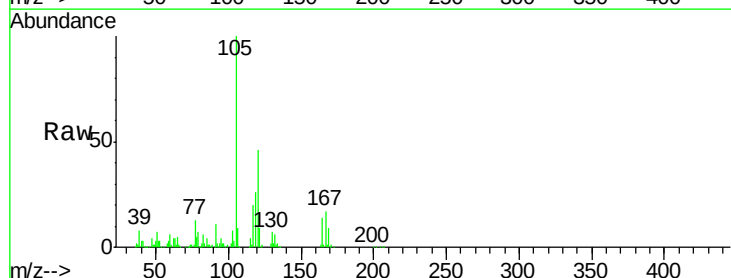
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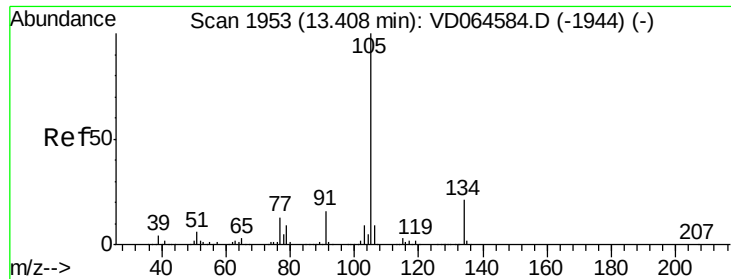
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.196 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064864.D
 Acq: 17 Jan 2020 15:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.8	71.2





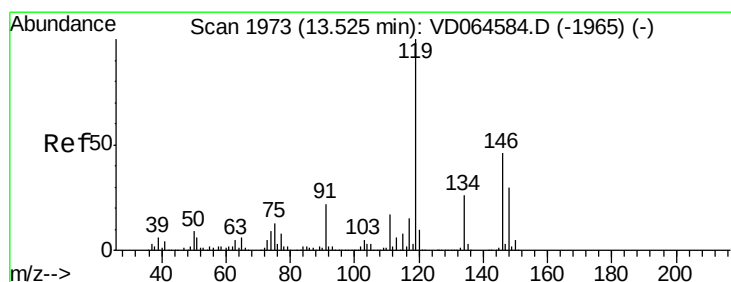
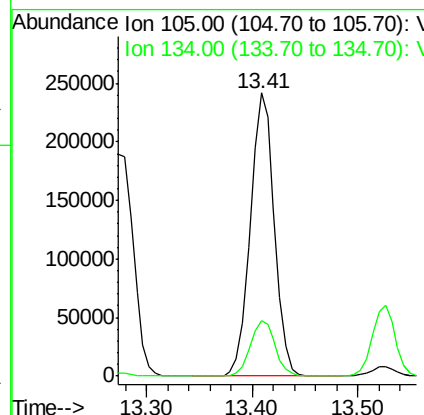
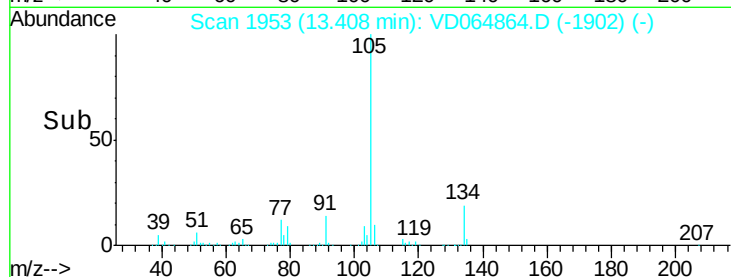
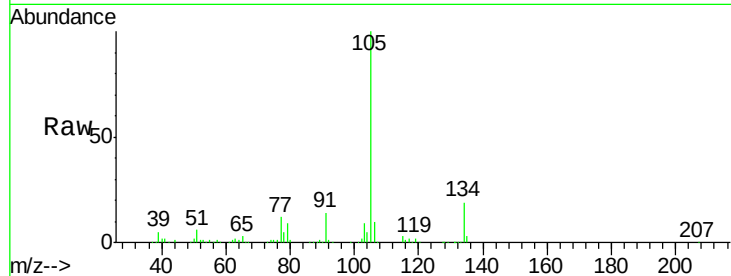
#85
 sec-Butylbenzene
 Concen: 23.992 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064864.D
 Acq: 17 Jan 2020 15:44

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0117SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.6	31.8

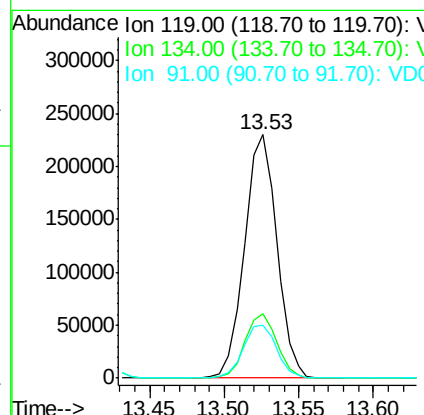
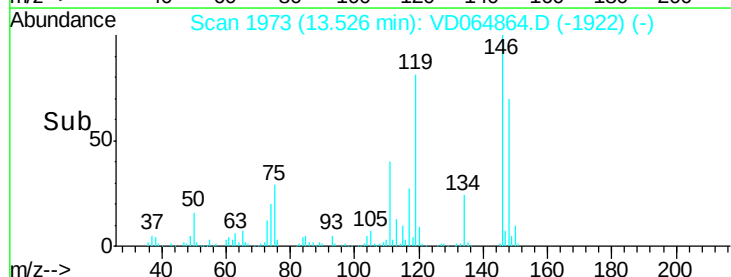
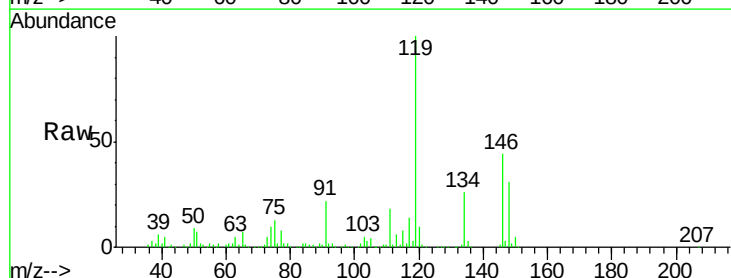
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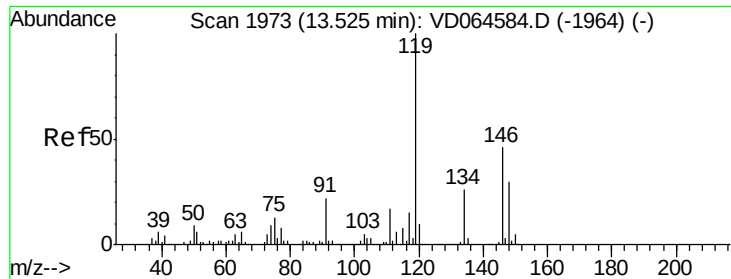
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#86
 p-Isopropyltoluene
 Concen: 22.739 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064864.D
 Acq: 17 Jan 2020 15:44

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.4	40.1
91	22.5	11.2	33.6





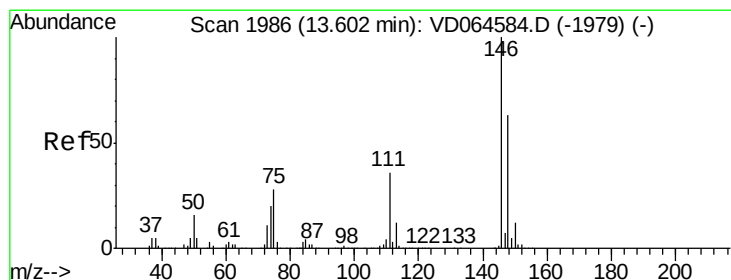
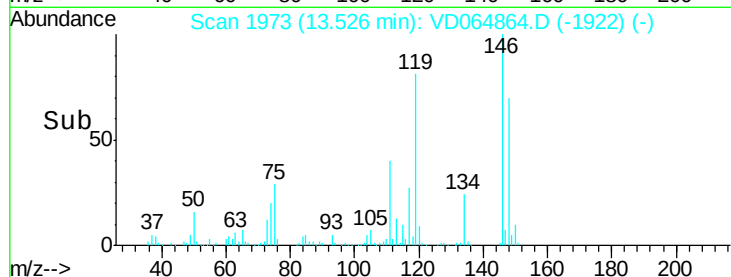
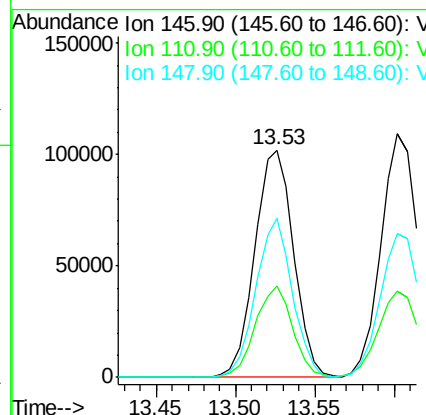
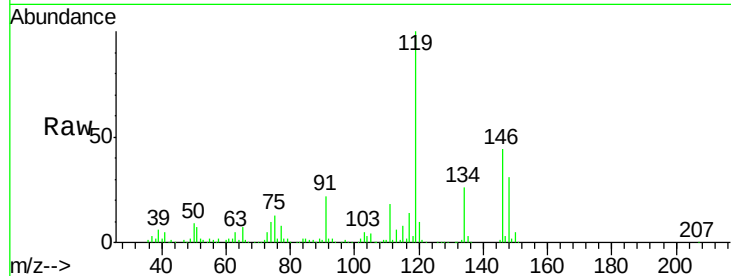
#87
 1,3-Dichlorobenzene
 Concen: 22.799 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064864.D
 Acq: 17 Jan 2020 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.8	56.4
148	65.8	32.5	97.5

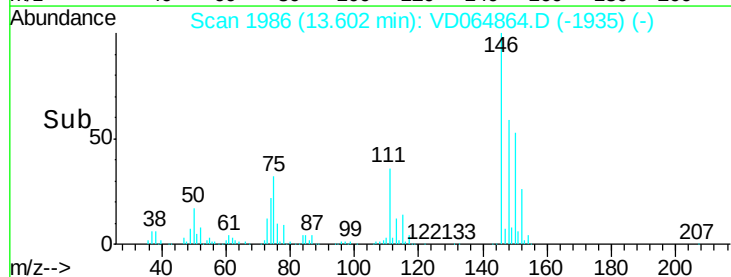
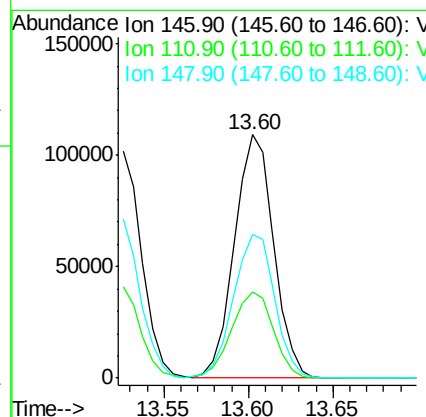
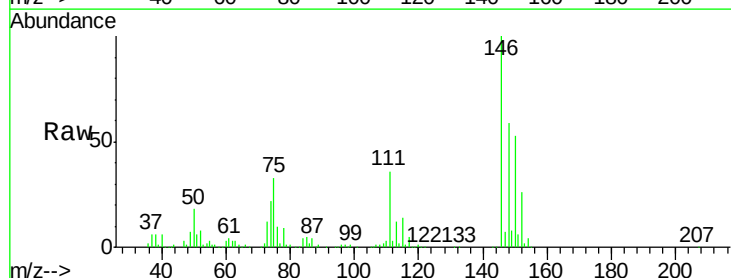
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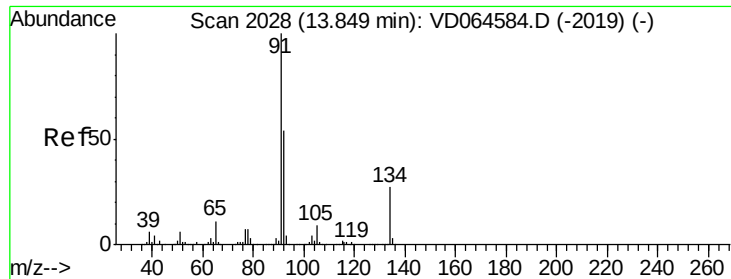
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#88
 1,4-Dichlorobenzene
 Concen: 23.681 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064864.D
 Acq: 17 Jan 2020 15:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.1	54.1
148	62.1	32.3	96.9





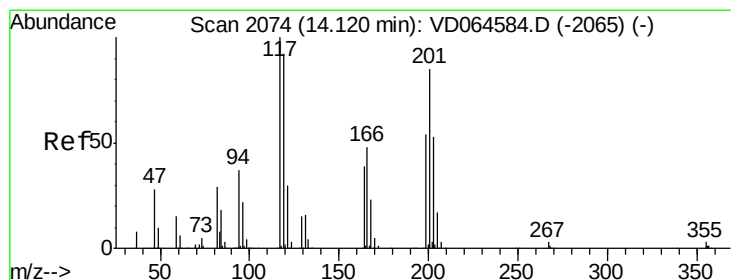
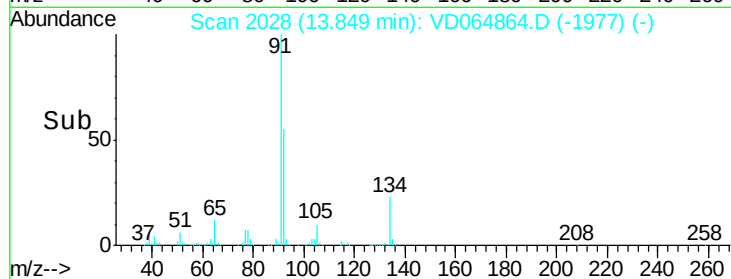
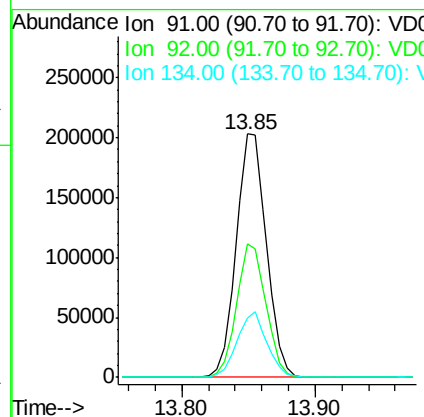
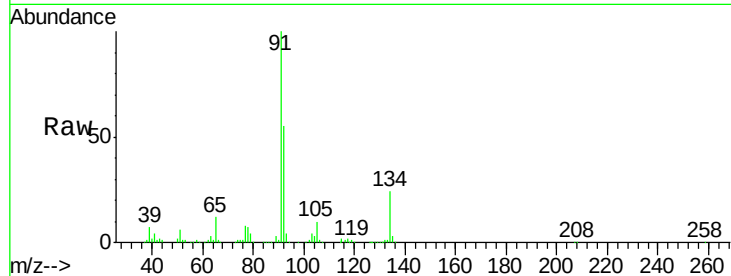
#89
n-Butylbenzene
Concen: 23.418 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.8	80.4
134	26.2	14.0	41.9

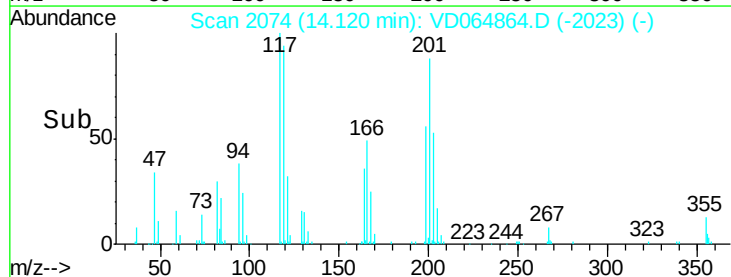
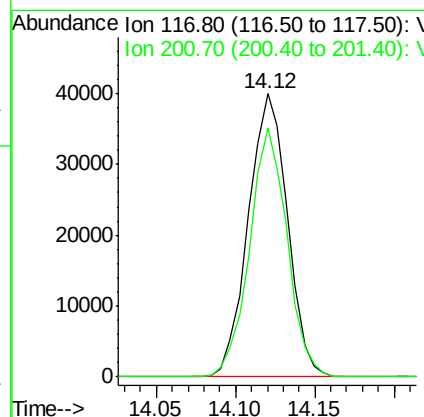
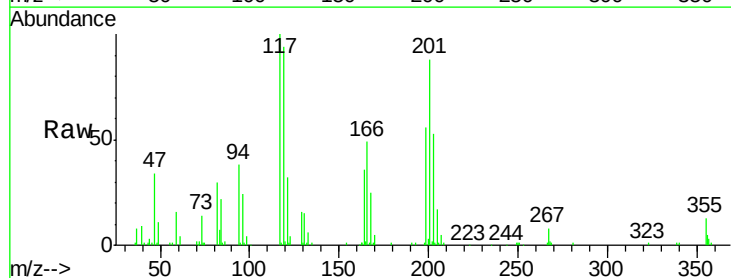
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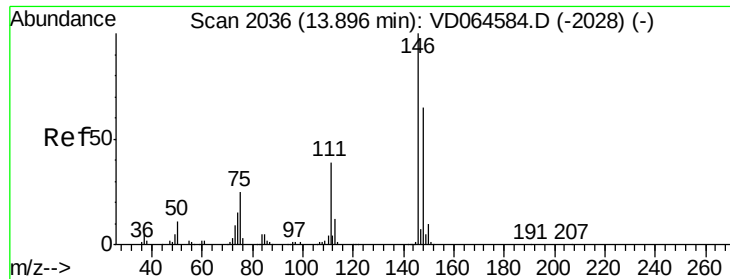
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#90
Hexachloroethane
Concen: 23.679 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.0	44.0	131.8





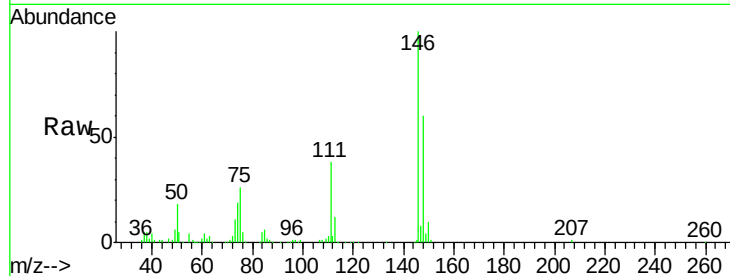
#91
 1,2-Dichlorobenzene
 Concen: 22.883 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064864.D
 Acq: 17 Jan 2020 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBSD01

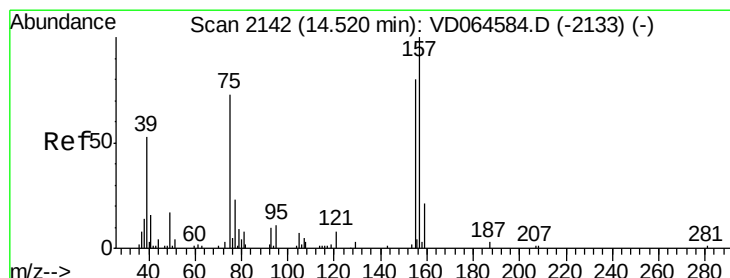
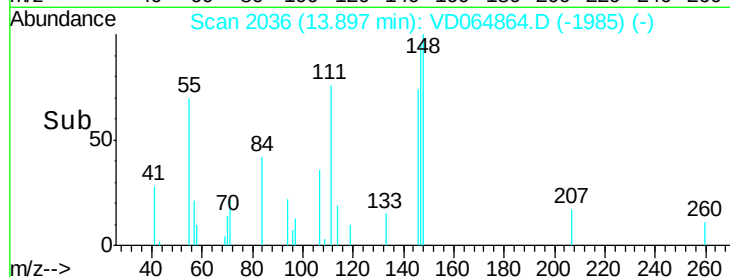
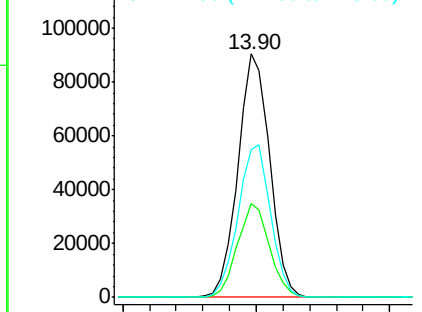
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.3	57.9
148	64.2	31.9	95.5

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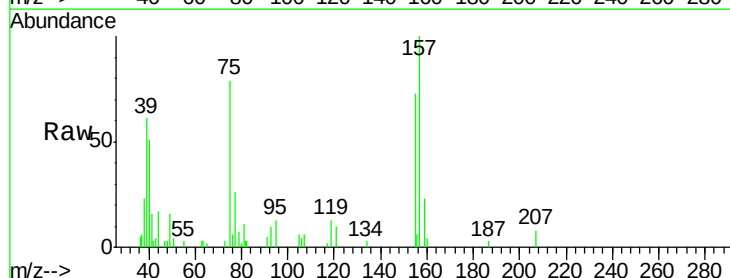


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

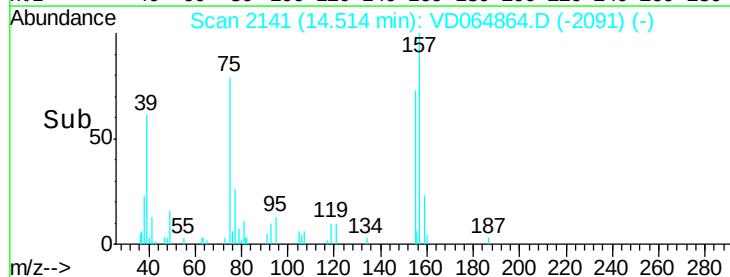
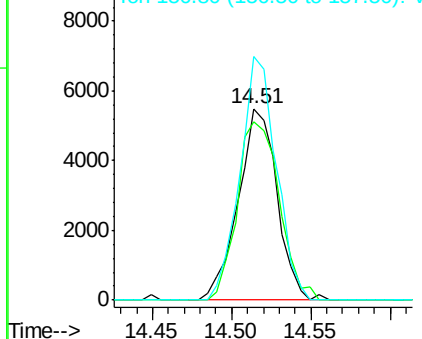


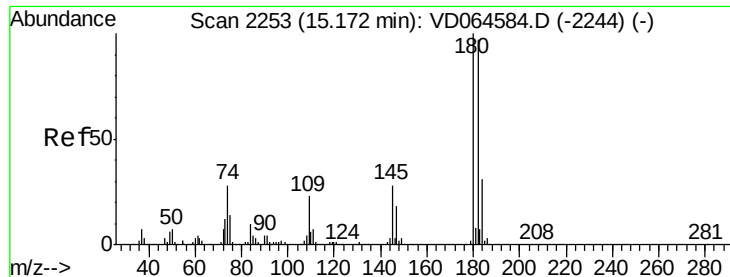
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.537 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064864.D
 Acq: 17 Jan 2020 15:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.3	48.0	144.0
157	119.3	64.1	192.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





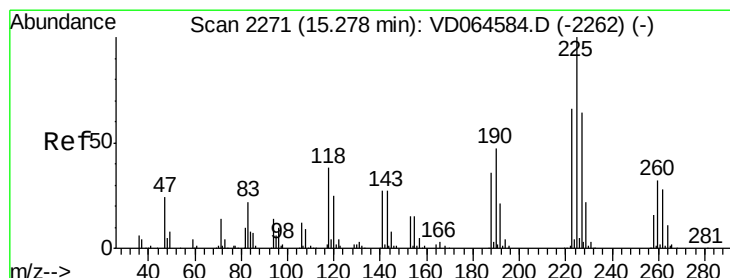
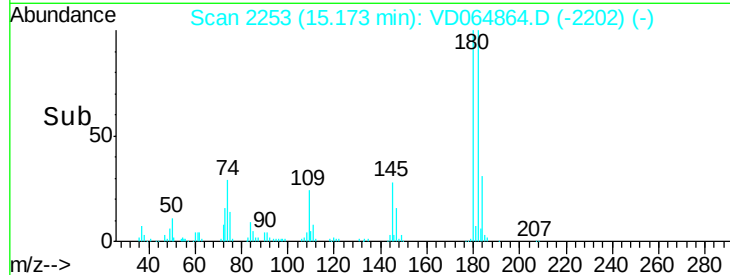
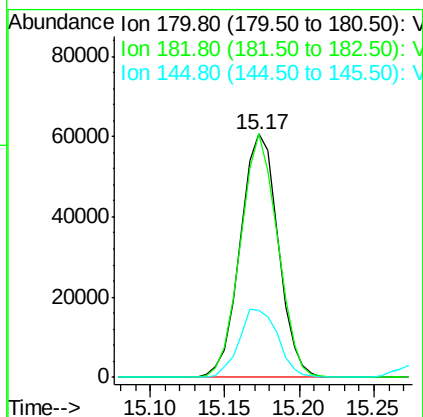
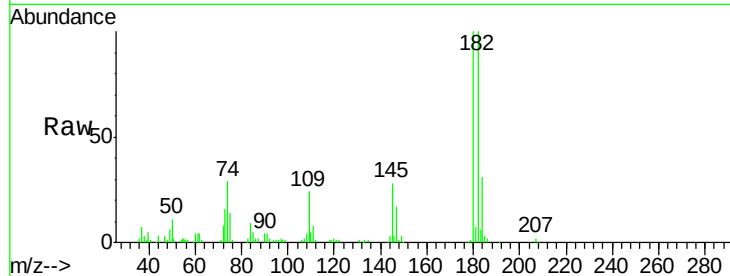
#93
 1,2,4-Trichlorobenzene
 Concen: 22.286 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064864.D
 Acq: 17 Jan 2020 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.2	48.0	144.2	
145	29.0	13.8	41.4	

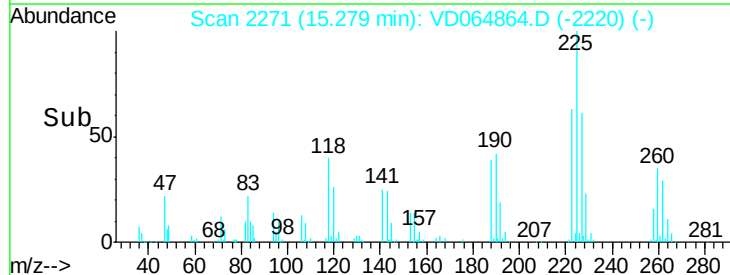
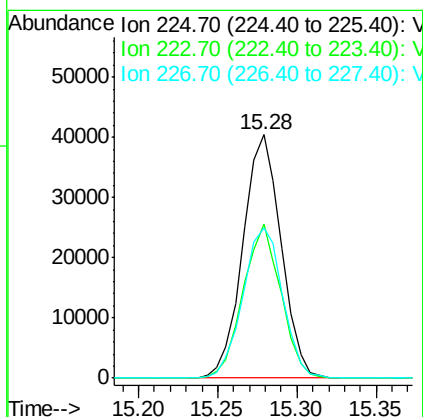
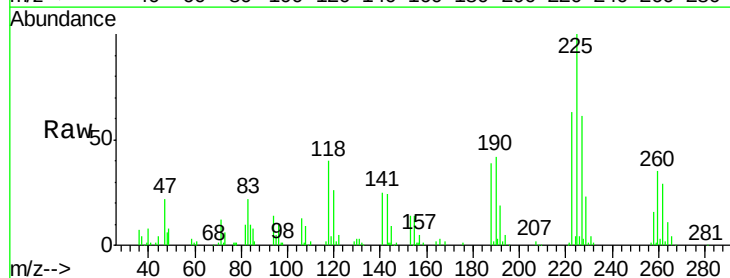
Manual Integrations
 APPROVED

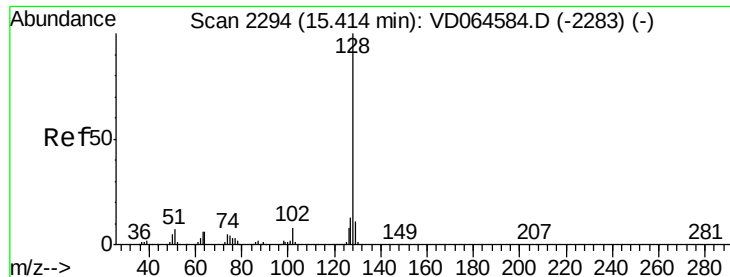
MMDadoda
 1/20/2020 11:14:29 AM



#94
 Hexachlorobutadiene
 Concen: 22.550 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064864.D
 Acq: 17 Jan 2020 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	31.1	93.2	
227	64.2	30.9	92.7	





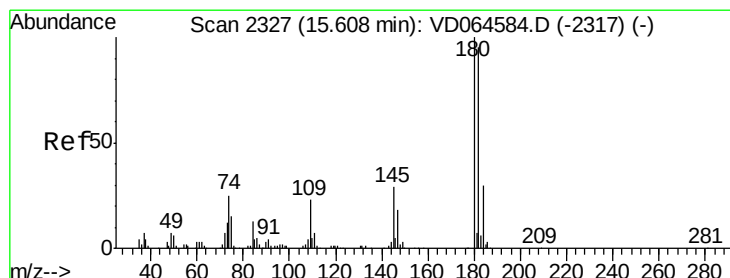
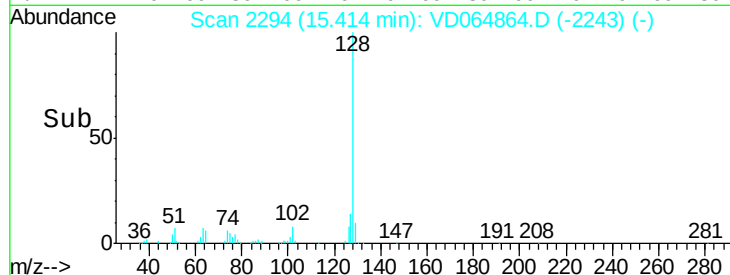
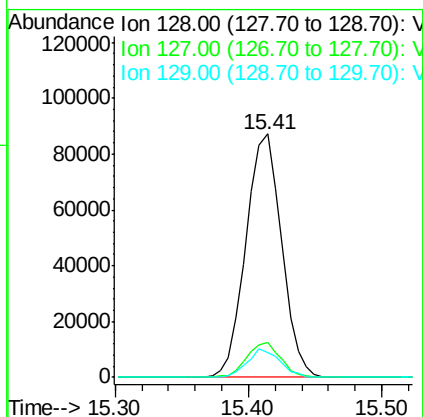
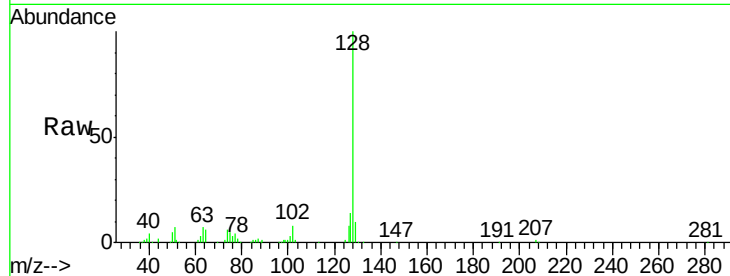
#95
Naphthalene
Concen: 21.333 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	161109		
127	13.5	10.3	15.5	
129	10.9	8.5	12.7	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 22.484 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064864.D
Acq: 17 Jan 2020 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	91630		
182	99.2	47.9	143.7	
145	29.4	14.9	44.7	

