

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064615.D
 Acq On : 27 Dec 2019 00:09
 Operator : VA/SY
 Sample : VD1226SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS02

Manual Integrations
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Quant Time: Dec 27 05:54:17 2019
 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	7.98	168	356827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	556407	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	506199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	244741	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	186962	59.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.84%	
35) Dibromofluoromethane	7.92	113	184823	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	
50) Toluene-d8	10.34	98	699132	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	
62) 4-Bromofluorobenzene	12.64	95	224466	54.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	54921	19.805	ug/l	97
3) Chloromethane	2.21	50	85920	22.154	ug/l	97
4) Vinyl Chloride	2.35	62	95106	20.112	ug/l	98
5) Bromomethane	2.76	94	79509	23.125	ug/l	93
6) Chloroethane	2.92	64	68638	21.663	ug/l	98
7) Trichlorofluoromethane	3.27	101	163885	20.583	ug/l	97
8) Diethyl Ether	3.71	74	36074	22.816	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	68293	20.711	ug/l	97
10) Methyl Iodide	4.30	142	72313	20.416	ug/l	100
11) Tert butyl alcohol	5.26	59	21270	117.954	ug/l #	70
12) 1,1-Dichloroethene	4.06	96	65251	20.785	ug/l	95
13) Acrolein	3.92	56	26168	104.126	ug/l	98
14) Allyl chloride	4.71	41	110015	22.477	ug/l	96
15) Acrylonitrile	5.43	53	77885	118.262	ug/l	99
16) Acetone	4.16	43	65569	94.603	ug/l	96
17) Carbon Disulfide	4.40	76	209969	20.685	ug/l	99
18) Methyl Acetate	4.73	43	44509	25.126	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	162021	23.236	ug/l	100
20) Methylene Chloride	4.96	84	83595	23.375	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	77919	21.794	ug/l	96
22) Diisopropyl ether	6.37	45	229226	23.480	ug/l	99
23) Vinyl Acetate	6.31	43	625929	113.025	ug/l	97
24) 1,1-Dichloroethane	6.27	63	136722	23.328	ug/l	99
25) 2-Butanone	7.23	43	99538	115.088	ug/l	100
26) 2,2-Dichloropropane	7.21	77	106565	19.556	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	86279	22.361	ug/l	99
28) Bromochloromethane	7.55	49	49689	21.810	ug/l	100
29) Tetrahydrofuran	7.57	42	62568	116.329	ug/l	99
30) Chloroform	7.71	83	141922	23.080	ug/l	100
31) Cyclohexane	7.98	56	116098	19.789	ug/l #	93
32) 1,1,1-Trichloroethane	7.90	97	123153	21.323	ug/l	99
36) 1,1-Dichloropropene	8.11	75	102952	19.224	ug/l	98
37) Ethyl Acetate	7.30	43	46222	21.970	ug/l	96
38) Carbon Tetrachloride	8.10	117	108608	19.019	ug/l	98

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 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)
39) Methylcyclohexane	9.36	83	121021	18.658	ug/l	97
40) Benzene	8.36	78	307106	21.006	ug/l	100
41) Methacrylonitrile	7.53	41	29640	24.282	ug/l	97
42) 1,2-Dichloroethane	8.43	62	93217	22.065	ug/l	99
43) Isopropyl Acetate	8.46	43	91147	21.766	ug/l	98
44) Trichloroethene	9.11	130	87004	20.258	ug/l	98
45) 1,2-Dichloropropane	9.39	63	75722	21.693	ug/l	93
46) Dibromomethane	9.48	93	42285	21.728	ug/l	94
47) Bromodichloromethane	9.66	83	112414	21.707	ug/l	99
48) Methyl methacrylate	9.46	41	40666	20.624	ug/l #	86
49) 1,4-Dioxane	9.47	88	9988	445.090	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	224723	108.570	ug/l	99
52) Toluene	10.40	92	193528	20.177	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	100923	20.903	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	122005	21.430	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	56418	21.511	ug/l	95
56) Ethyl methacrylate	10.66	69	72173	22.034	ug/l	99
57) 1,3-Dichloropropane	10.95	76	101121	22.392	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	146306	117.238	ug/l	99
59) 2-Hexanone	10.99	43	150247	106.950	ug/l	100
60) Dibromochloromethane	11.14	129	79198	21.836	ug/l	99
61) 1,2-Dibromoethane	11.25	107	57846	22.361	ug/l	98
64) Tetrachloroethene	10.88	164	79346	20.432	ug/l	98
65) Chlorobenzene	11.67	112	212572	20.233	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	82429	20.812	ug/l	99
67) Ethyl Benzene	11.75	91	370114	19.409	ug/l	97
68) m/p-Xylenes	11.86	106	284609	38.668	ug/l	100
69) o-Xylene	12.18	106	132225	19.889	ug/l	100
70) Styrene	12.20	104	234710	20.113	ug/l	99
71) Bromoform	12.36	173	48190	21.336	ug/l #	95
73) Isopropylbenzene	12.48	105	347446	19.866	ug/l	99
74) N-amyl acetate	12.29	43	80631	21.567	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	62414	22.717	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	44308m	22.926	ug/l	
77) Bromobenzene	12.76	156	95481	22.218	ug/l	96
78) n-propylbenzene	12.83	91	409538	20.071	ug/l	98
79) 2-Chlorotoluene	12.91	91	232136	20.710	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	288898	20.108	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	18508	20.029	ug/l	94
82) 4-Chlorotoluene	13.01	91	246250	20.644	ug/l	99
83) tert-Butylbenzene	13.23	119	248455	19.918	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	293675	20.524	ug/l	100
85) sec-Butylbenzene	13.41	105	332311	19.432	ug/l	99
86) p-Isopropyltoluene	13.52	119	318210	19.460	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	166966	20.380	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	170306	21.161	ug/l	99
89) n-Butylbenzene	13.85	91	288152	19.568	ug/l	98
90) Hexachloroethane	14.12	117	64756	20.731	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	148264	21.224	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9469	21.260	ug/l	96

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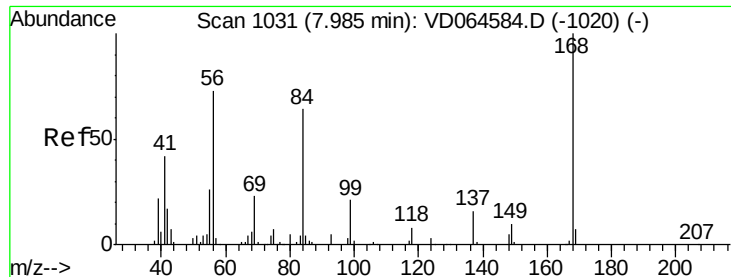
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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	105988	20.605	ug/l	100
94) Hexachlorobutadiene	15.28	225	61764	19.082	ug/l	98
95) Naphthalene	15.41	128	174541	21.449	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	91958	20.942	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS02

Tot Ion:168 Resp: 356827

Ion Ratio Lower Upper

168 100

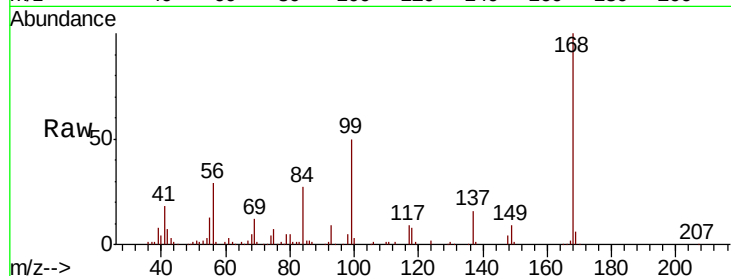
99 50.2 41.8 62.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

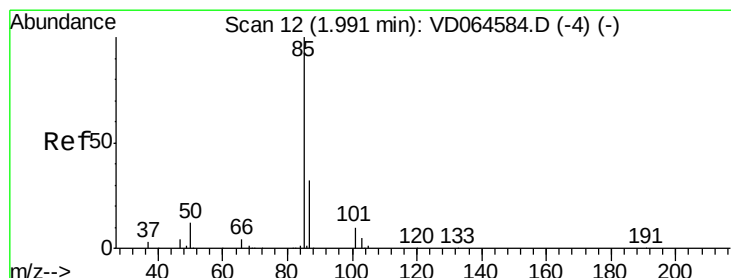
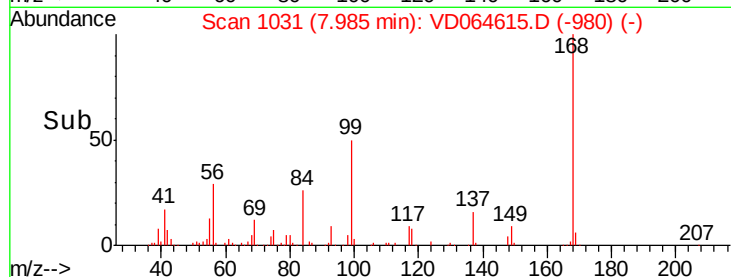
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.805 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064615.D

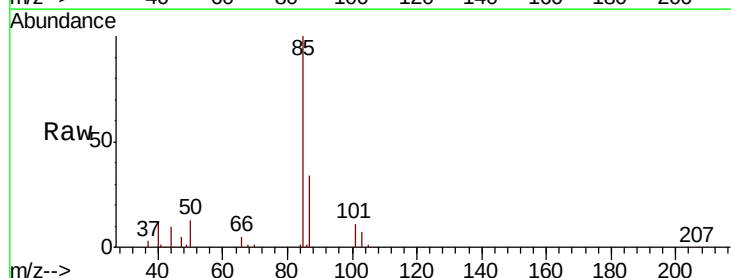
Acq: 27 Dec 2019 00:09

Tgt Ion: 85 Resp: 54921

Ion Ratio Lower Upper

85 100

87 34.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

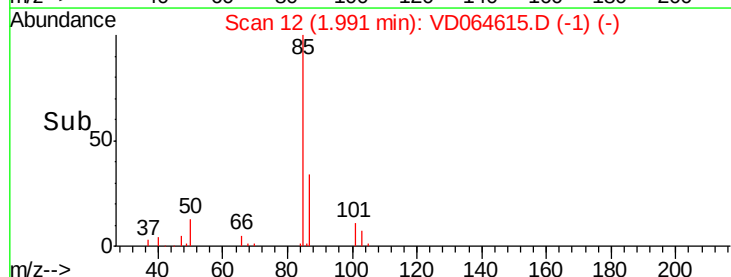
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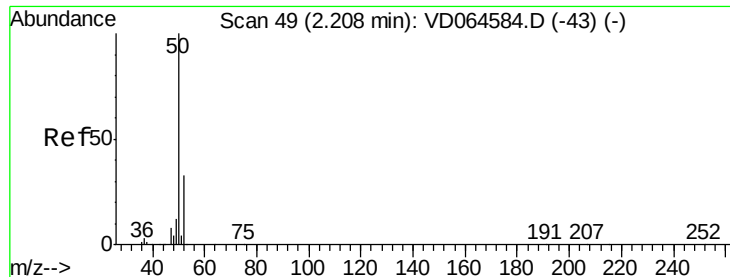
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 22.154 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS02

Tot Ion: 50 Resp: 85920

Ion Ratio Lower Upper

50 100

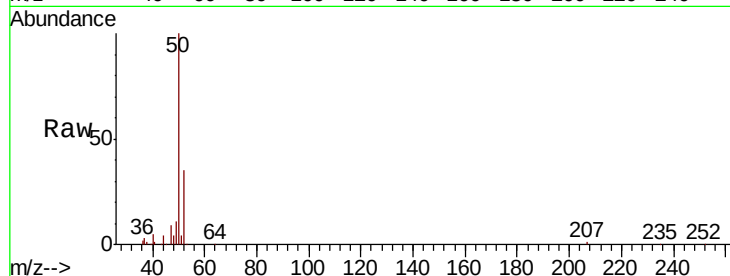
52 34.8 26.5 39.7

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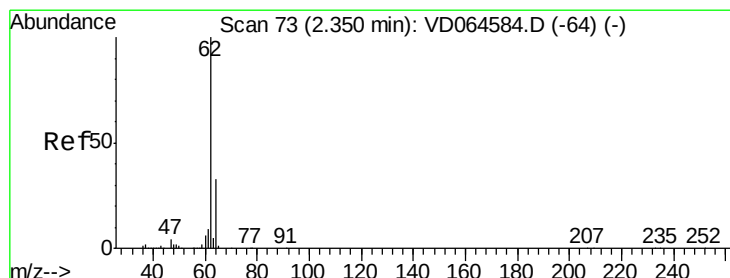
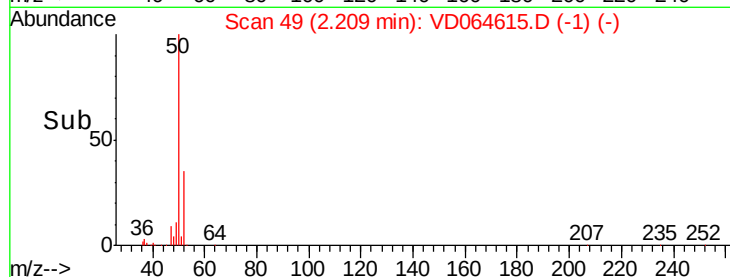
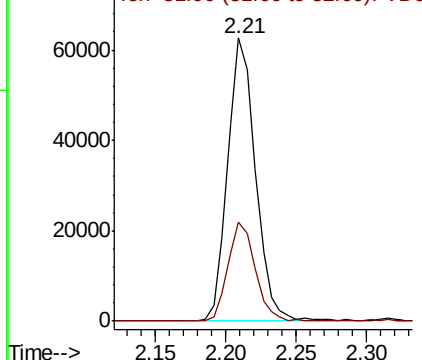
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.112 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064615.D

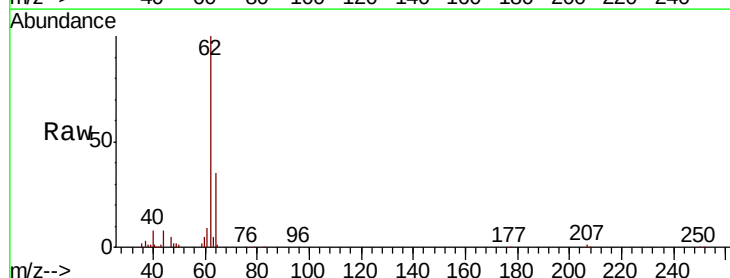
Acq: 27 Dec 2019 00:09

Tgt Ion: 62 Resp: 95106

Ion Ratio Lower Upper

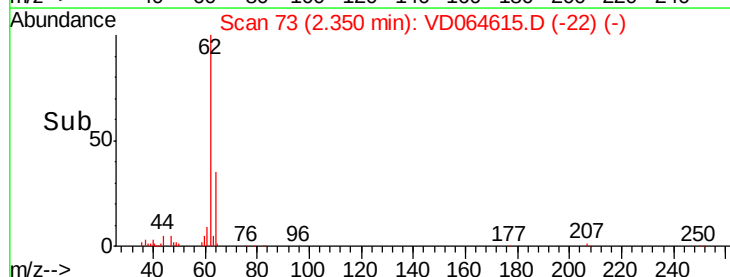
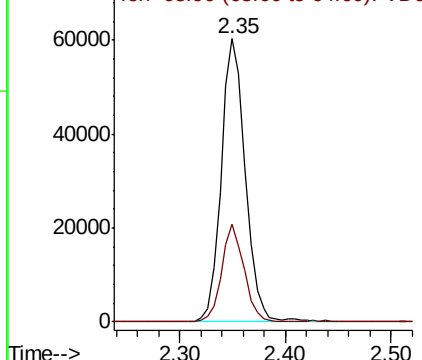
62 100

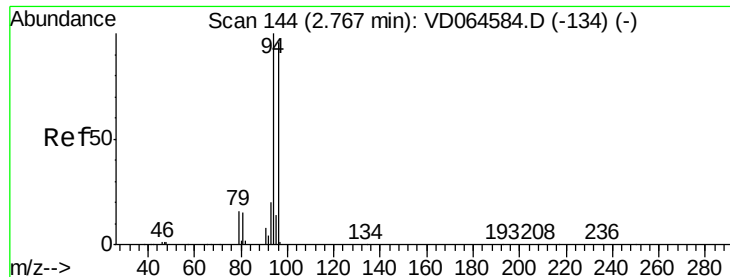
64 34.5 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 23.125 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS02

Tot Ion: 94 Resp: 79509

Ion Ratio Lower Upper

94 100

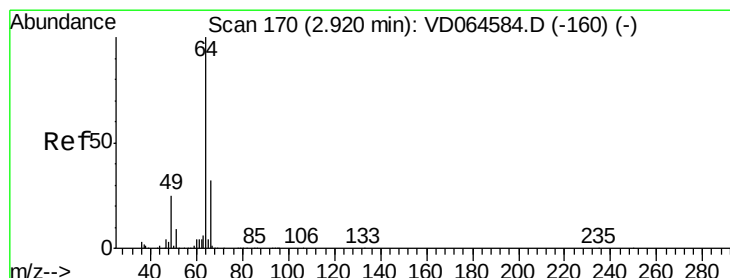
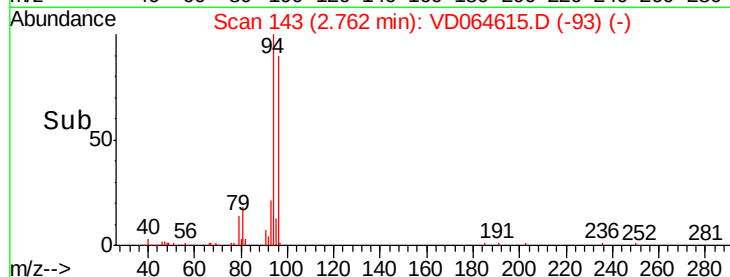
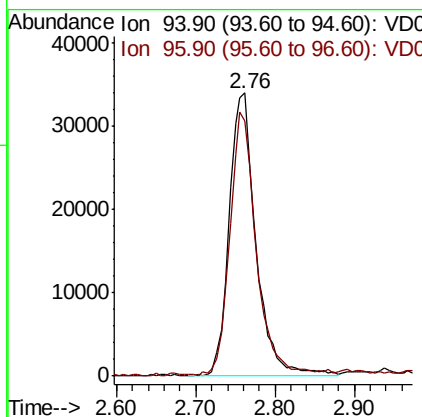
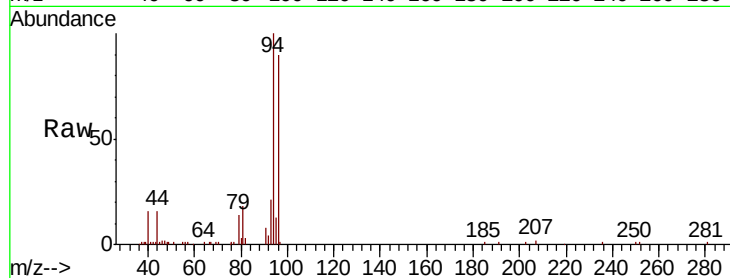
96 89.4 77.2 115.8

Manual Integrations

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#6

Chloroethane

Concen: 21.663 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064615.D

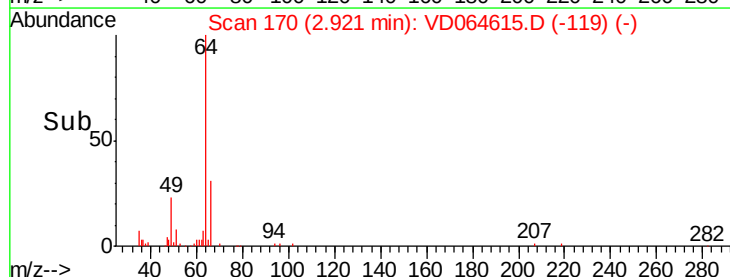
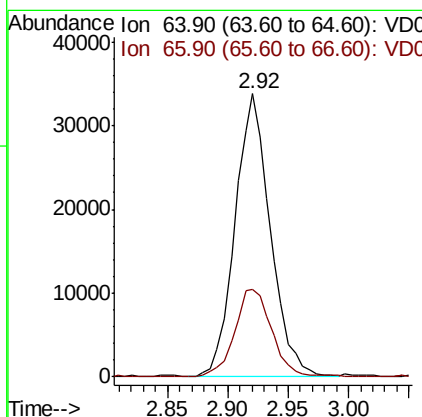
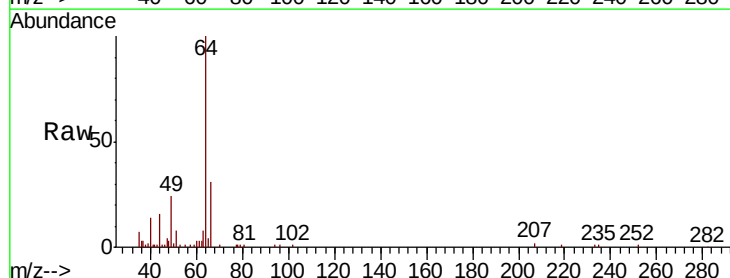
Acq: 27 Dec 2019 00:09

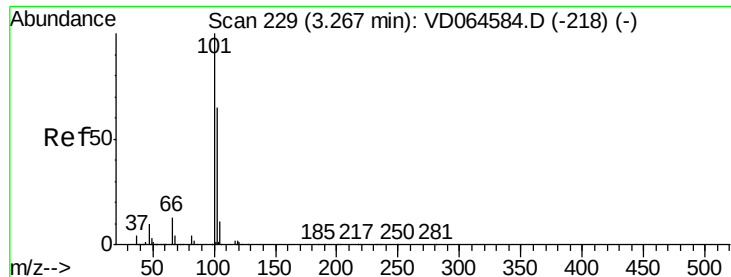
Tgt Ion: 64 Resp: 68638

Ion Ratio Lower Upper

64 100

66 31.1 25.9 38.9





#7

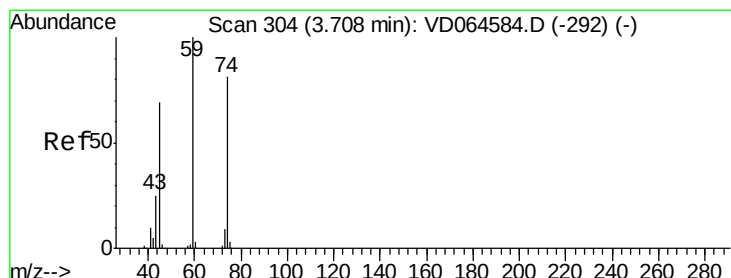
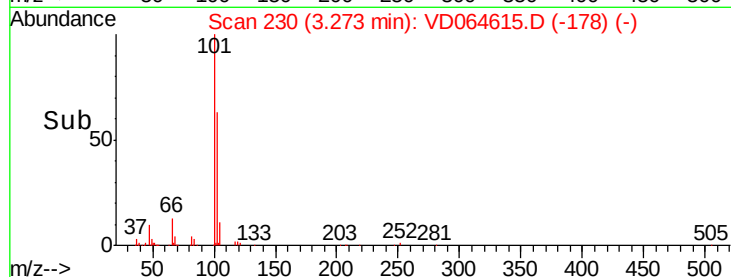
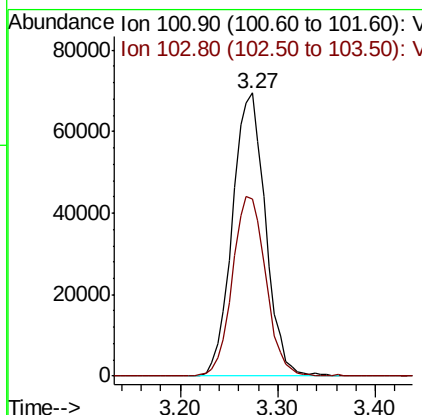
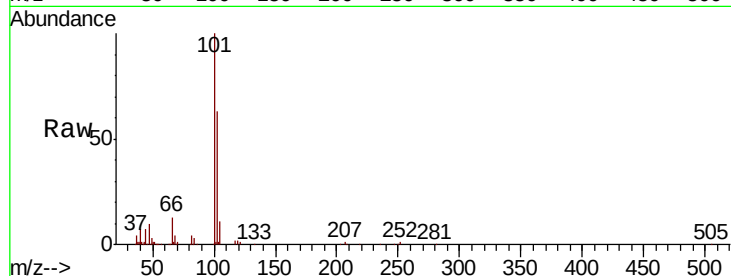
Trichlorofluoromethane
 Concen: 20.583 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Instrument :
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 ClientSampleId :
 VD1226SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	52.2	78.4

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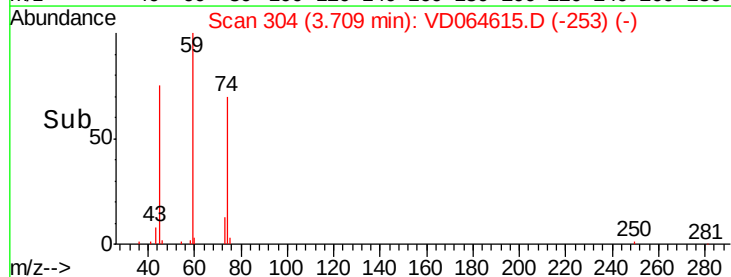
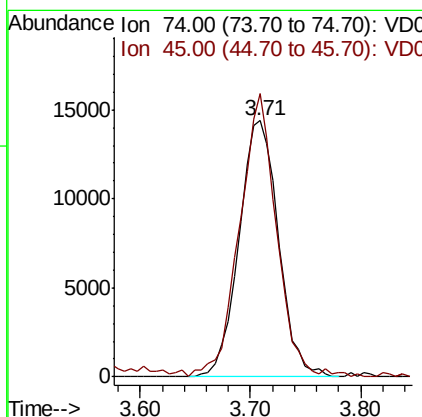
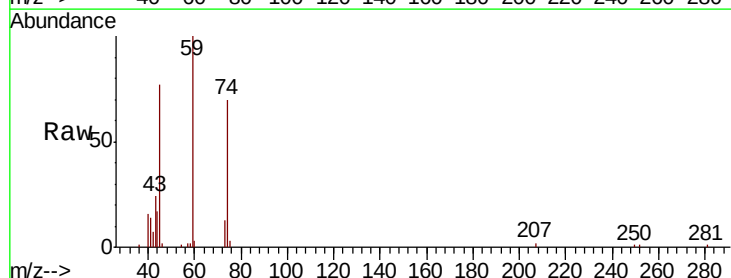
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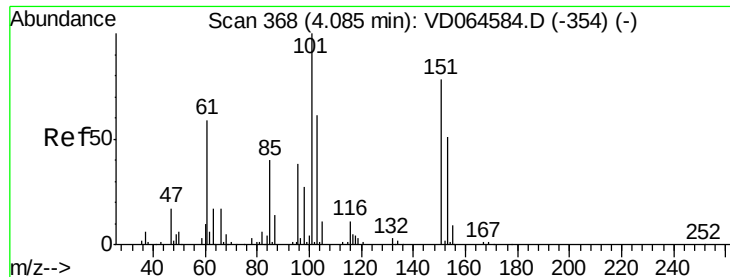


#8

Diethyl Ether
 Concen: 22.816 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.8	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.711 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

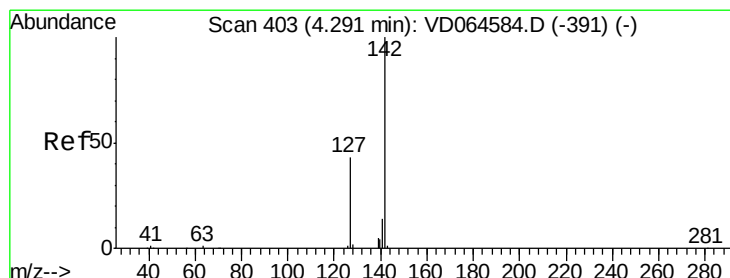
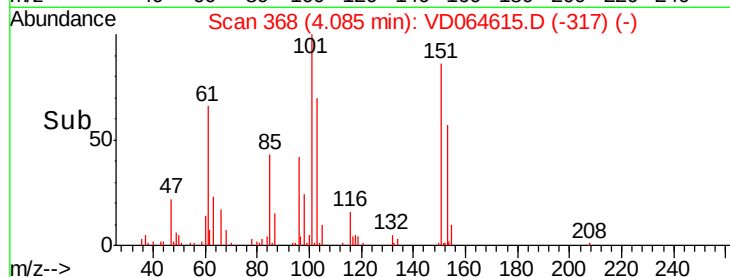
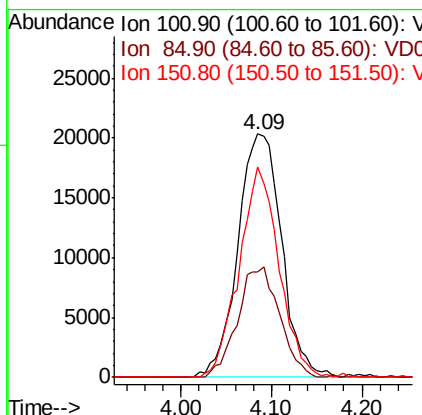
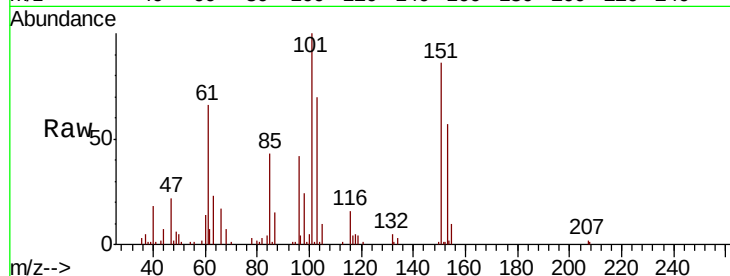
ClientSampleId :

VD1226SBS02

Tot Ion:	101	Resp:	68293
Ion Ratio	Lower	Upper	
101	100		
85	43.3	35.2	52.8
151	78.5	66.2	99.4

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#10

Methyl Iodide

Concen: 20.416 ug/l

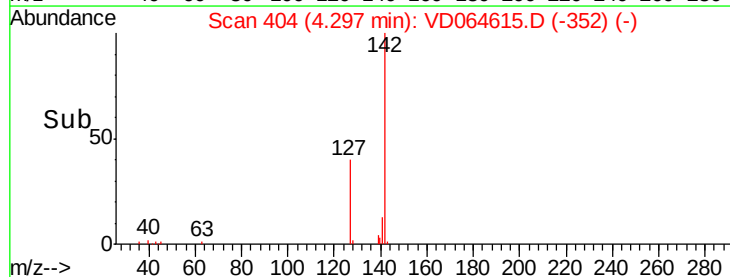
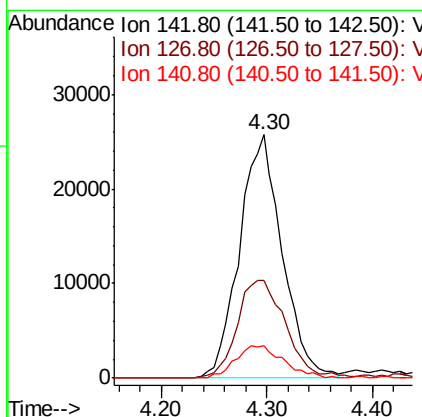
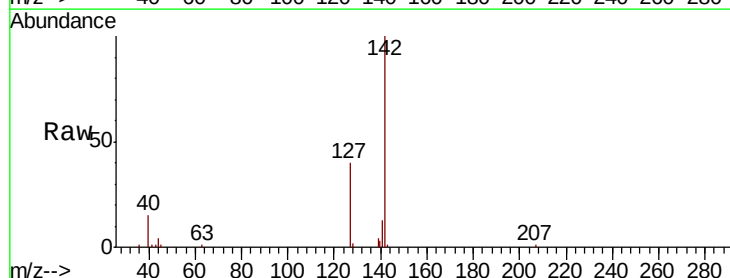
RT: 4.30 min Scan# 404

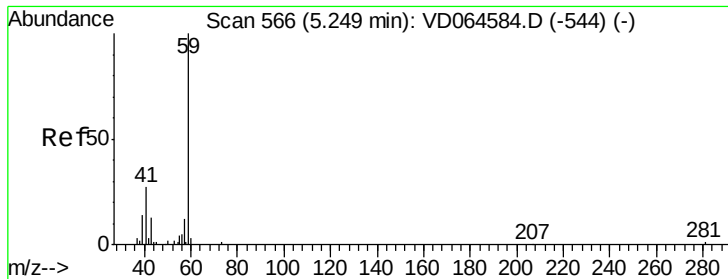
Delta R.T. 0.01 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Tgt Ion:	142	Resp:	72313
Ion Ratio	Lower	Upper	
142	100		
127	45.0	36.2	54.4
141	15.0	11.8	17.8





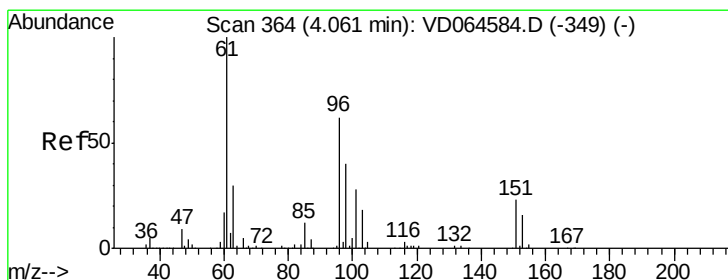
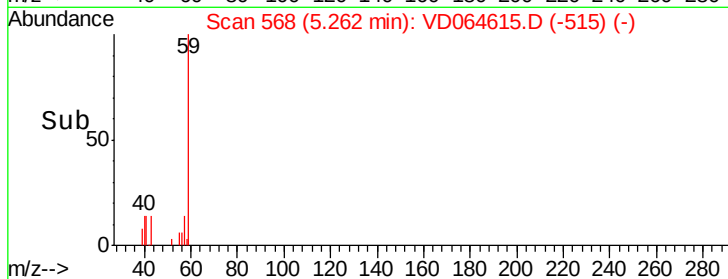
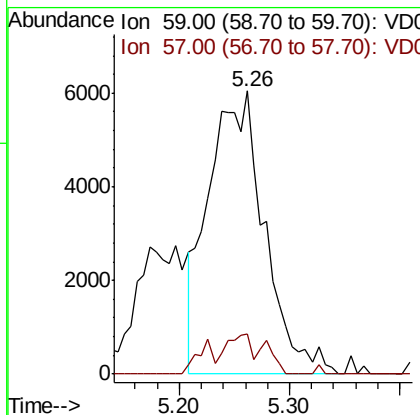
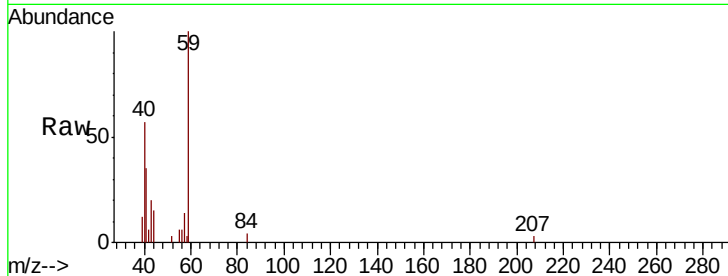
#11
Tert butyl alcohol
Concen: 117.954 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.01 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS02

Tot Ion	59	Resp	21270
Ion Ratio	100	Lower	Upper
57	0.0	9.3	13.9#

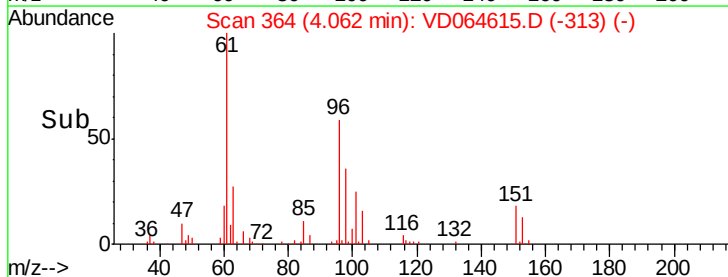
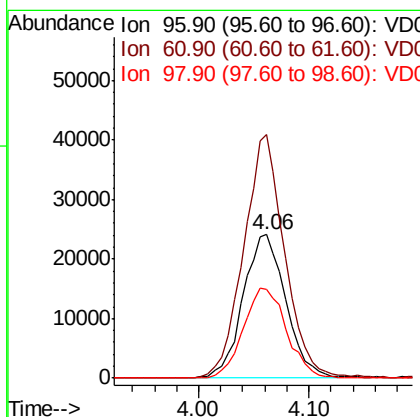
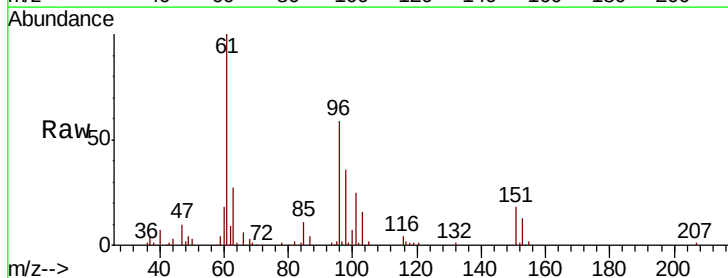
Manual Integrations
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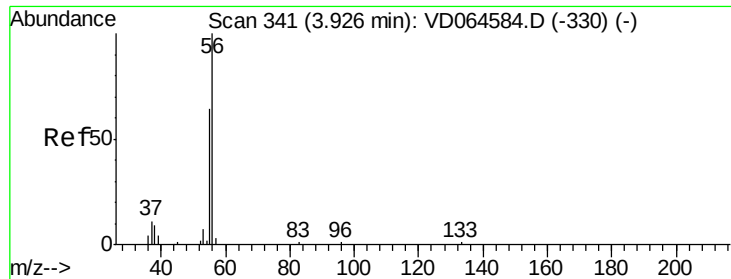
apatel
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#12
1,1-Dichloroethene
Concen: 20.785 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion	96	Resp	65251
Ion Ratio	100	Lower	Upper
61	170.0	129.4	194.0
98	61.8	51.4	77.0





#13

Acrolein

Concen: 104.126 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS02

Tot Ion: 56 Resp: 26168

Ion Ratio Lower Upper

56 100

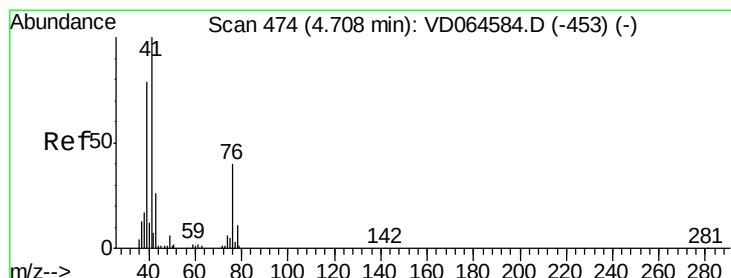
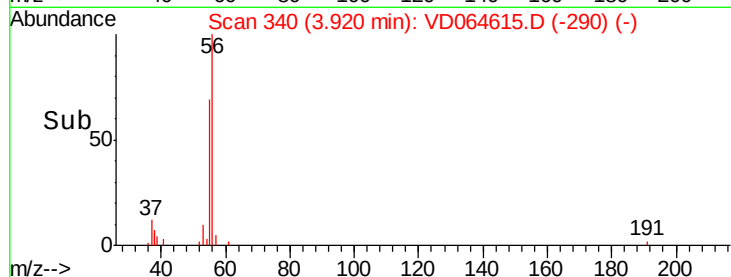
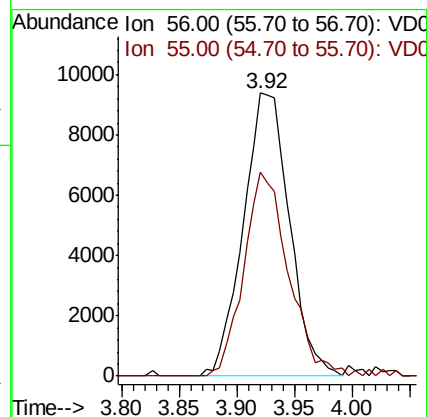
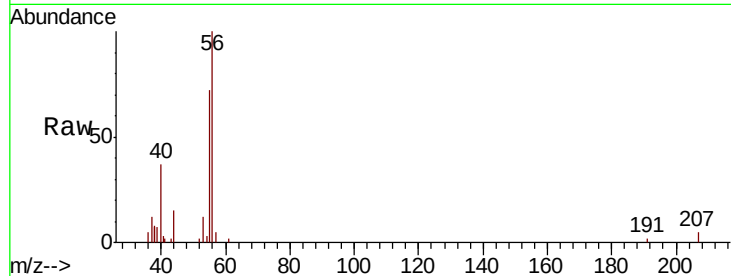
55 69.7 56.7 85.1

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#14

Allyl chloride

Concen: 22.477 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

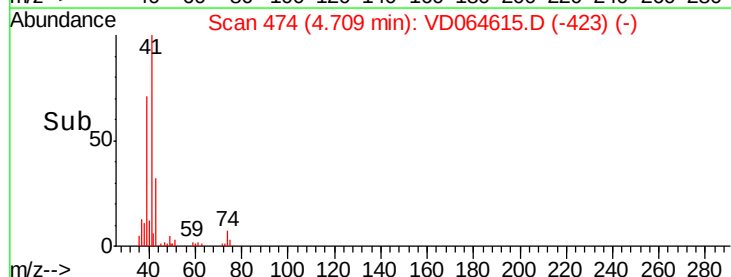
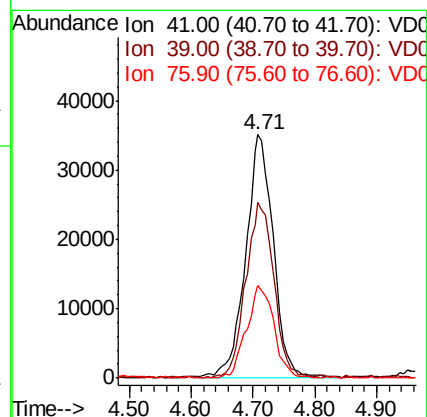
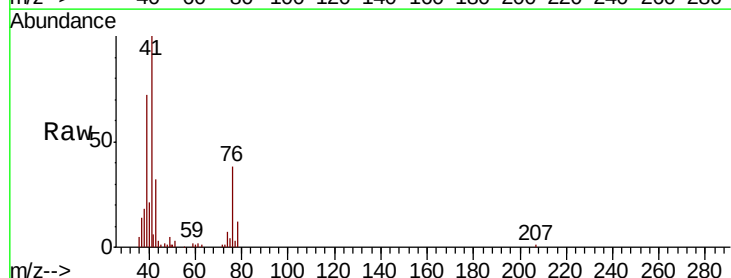
Tgt Ion: 41 Resp: 110015

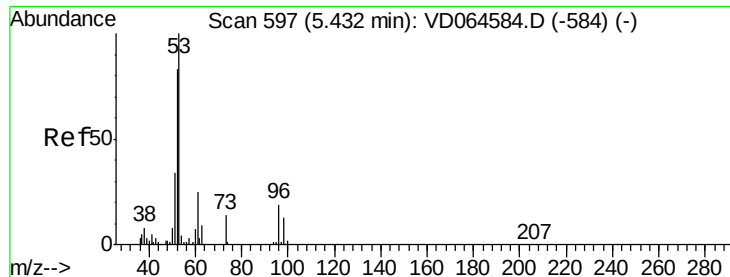
Ion Ratio Lower Upper

41 100

39 72.8 62.3 93.5

76 37.4 29.7 44.5





#15

Acrylonitrile

Concen: 118.262 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

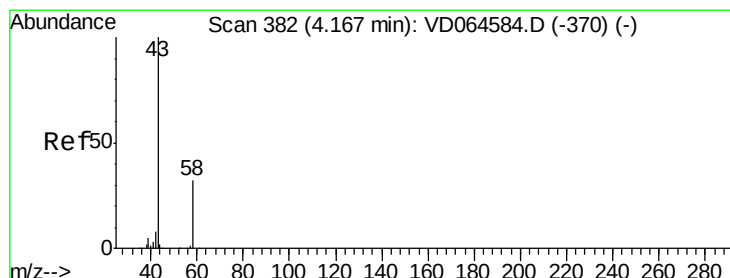
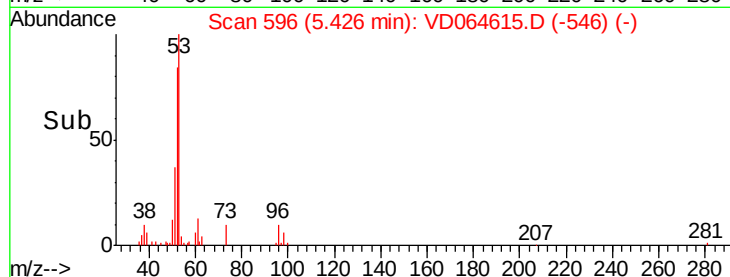
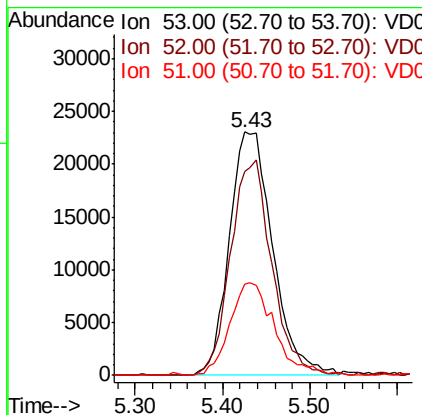
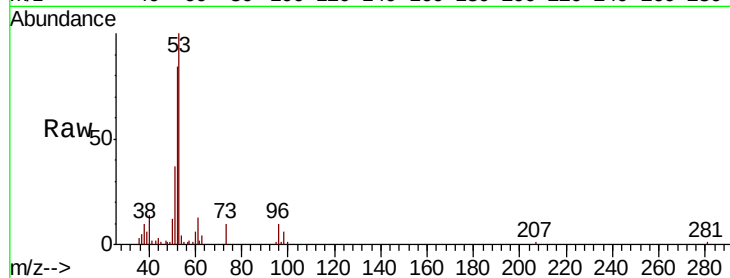
ClientSampleId :

VD1226SBS02

Tot Ion:	53	Resp:	77885
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.2	99.2
51	38.9	30.1	45.1

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#16

Acetone

Concen: 94.603 ug/l

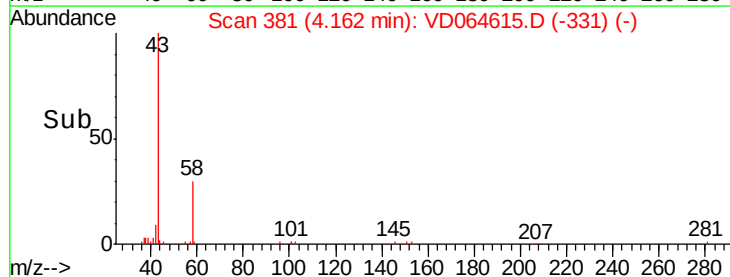
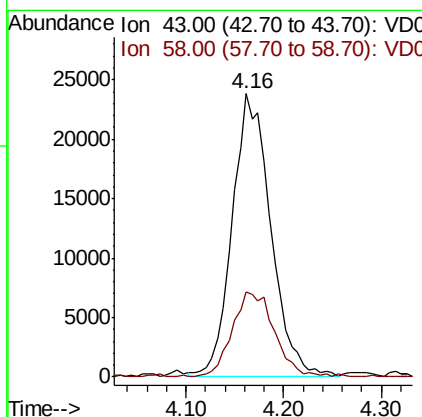
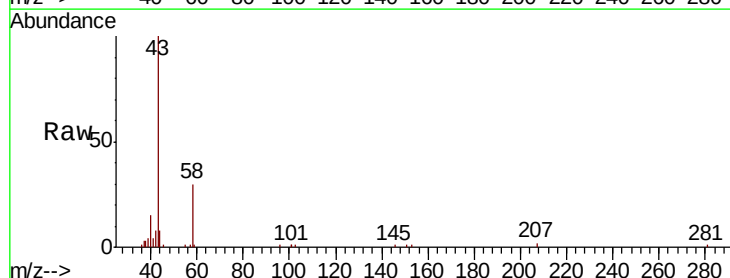
RT: 4.16 min Scan# 381

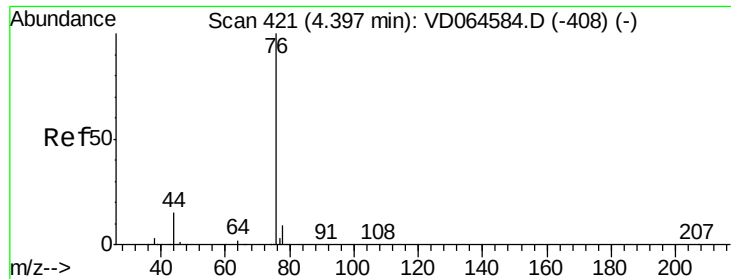
Delta R.T. -0.01 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Tgt Ion:	43	Resp:	65569
Ion	Ratio	Lower	Upper
43	100		
58	30.2	25.8	38.6





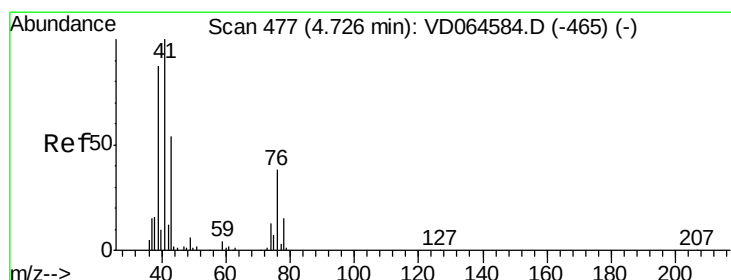
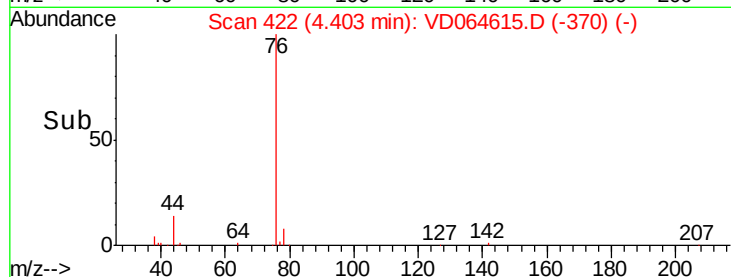
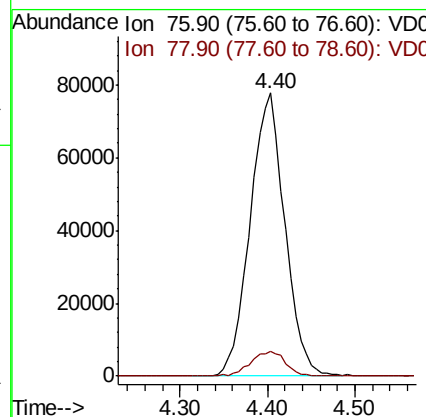
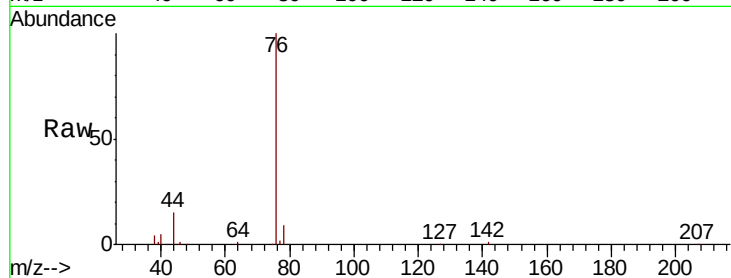
#17
Carbon Disulfide
Concen: 20.685 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

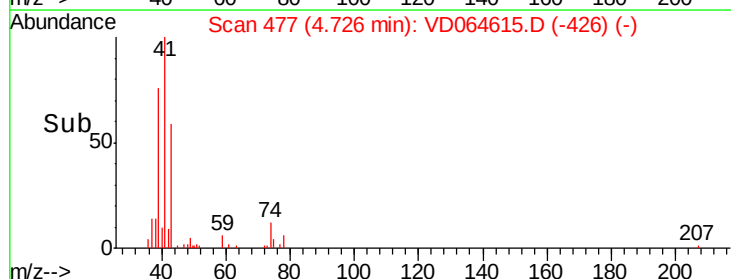
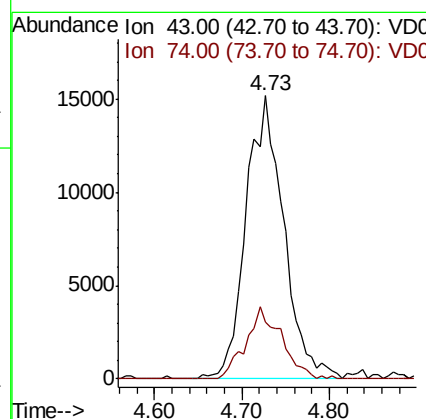
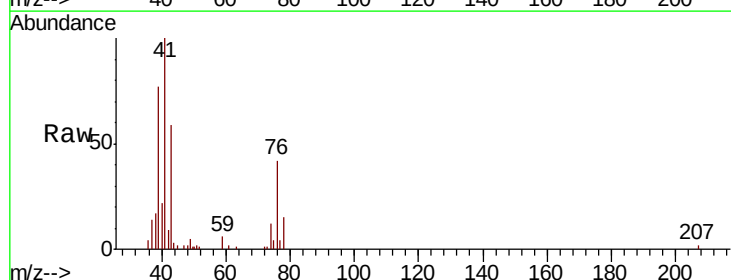
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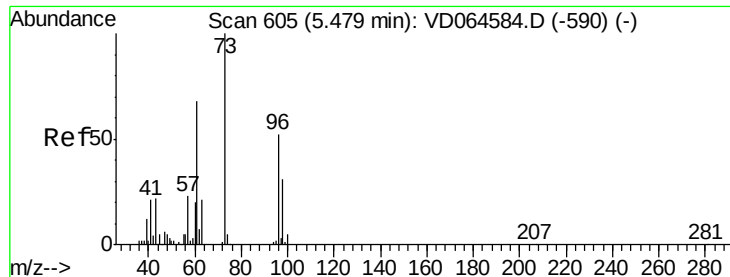
apatel
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#18
Methyl Acetate
Concen: 25.126 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.2	28.8





#19

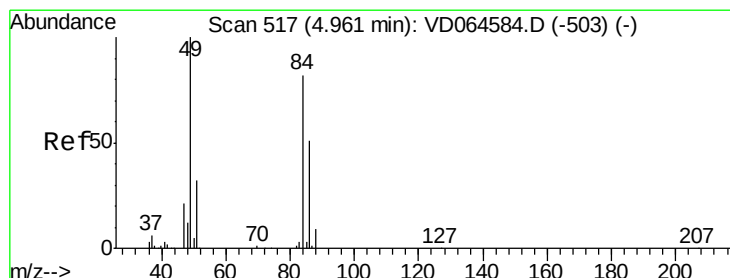
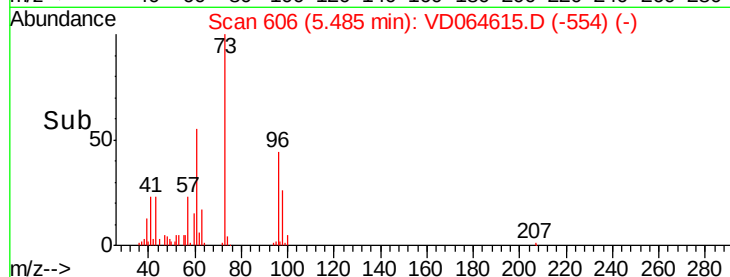
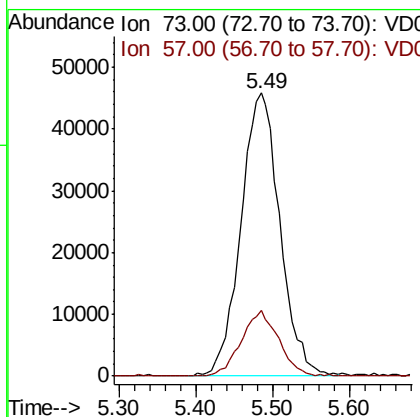
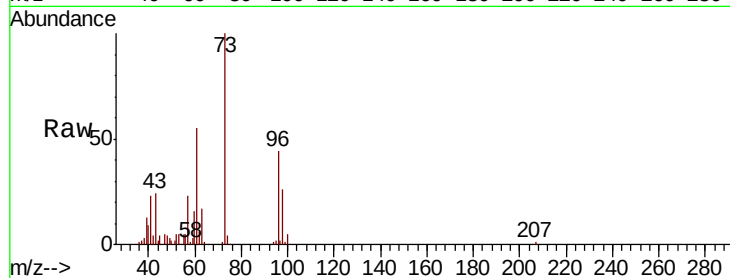
Methyl tert-butyl Ether
 Concen: 23.236 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.6	27.8

Manual Integrations
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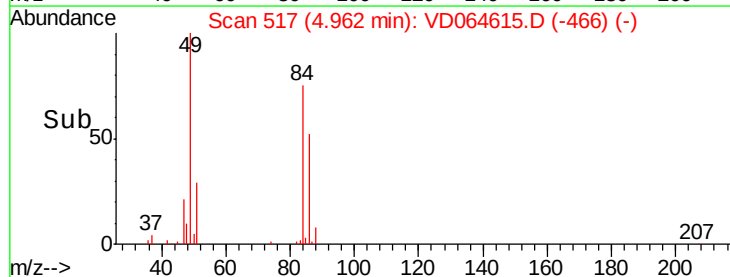
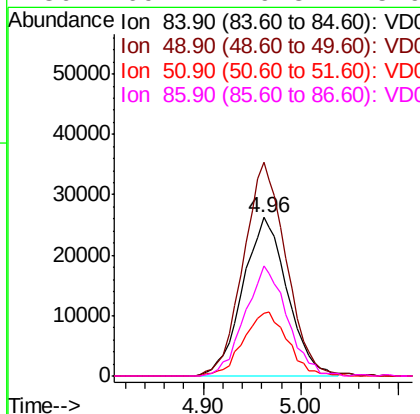
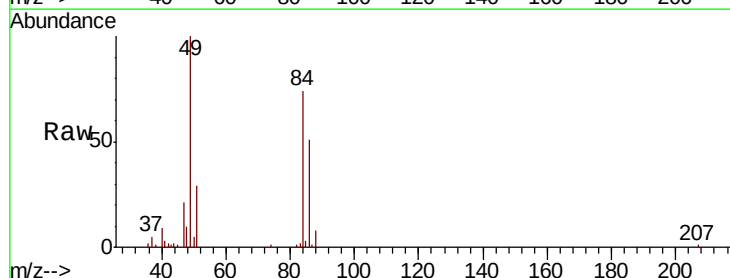
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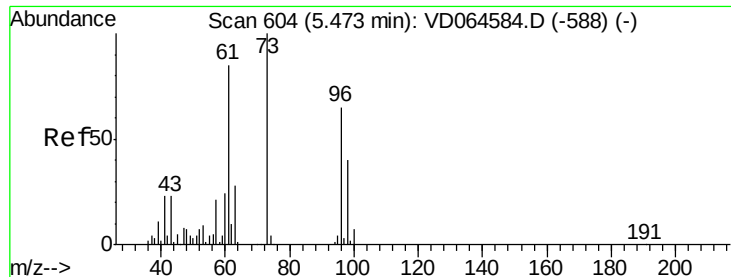


#20

Methylene Chloride
 Concen: 23.375 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.8	97.2	145.8
51	39.5	31.4	47.0
86	69.4	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 21.794 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS02

Tot Ion: 96 Resp: 77919

Ion Ratio Lower Upper

96 100

61 128.3 104.7 157.1

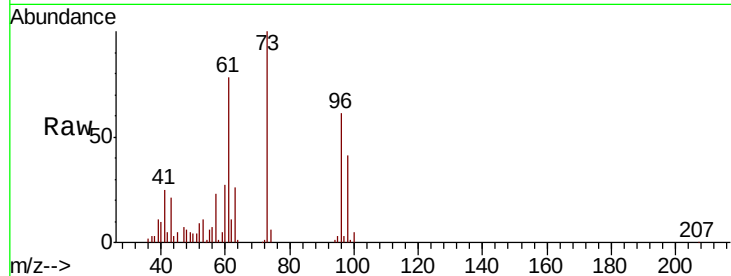
98 67.4 49.4 74.2

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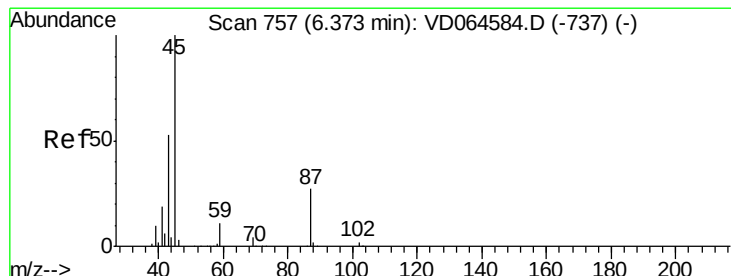
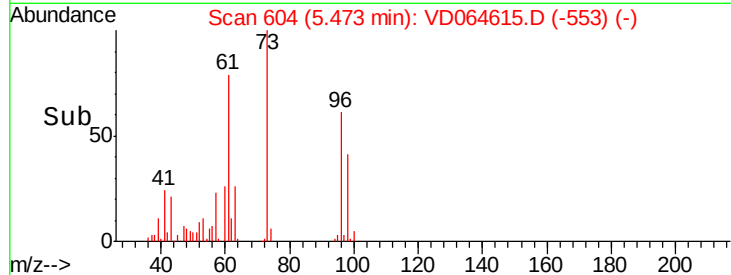
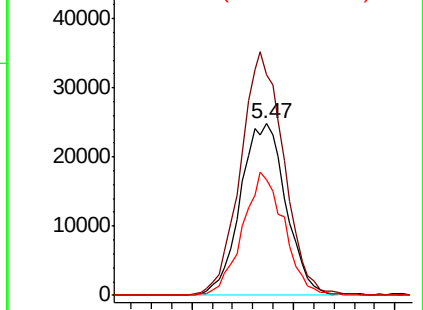


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 23.480 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Tgt Ion: 45 Resp: 229226

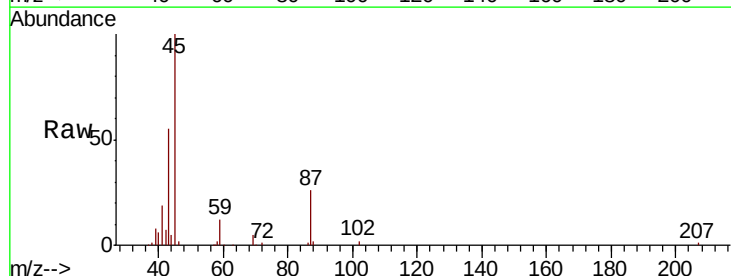
Ion Ratio Lower Upper

45 100

43 53.6 43.2 64.8

87 26.3 21.9 32.9

59 11.3 9.0 13.4



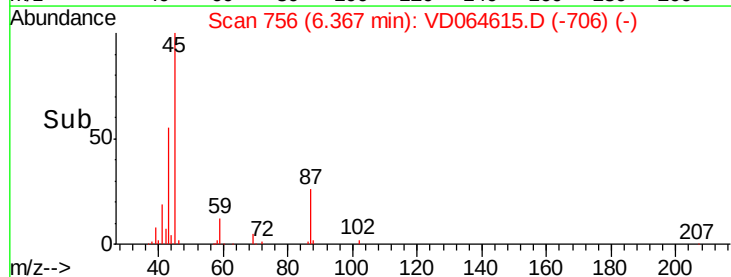
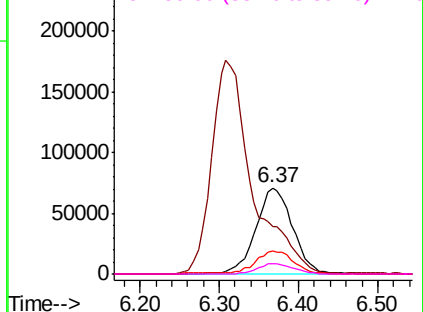
Abundance

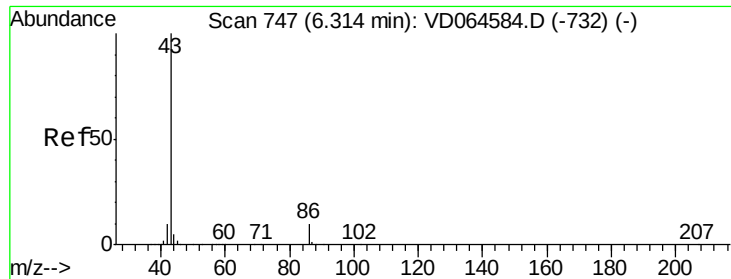
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





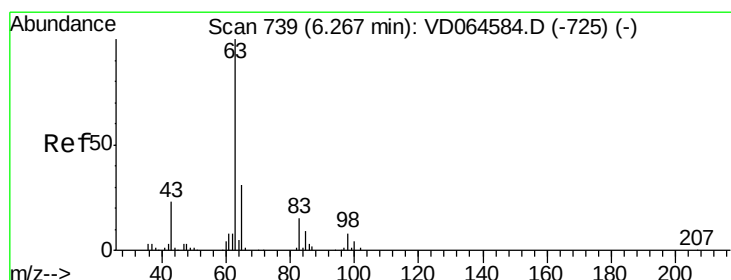
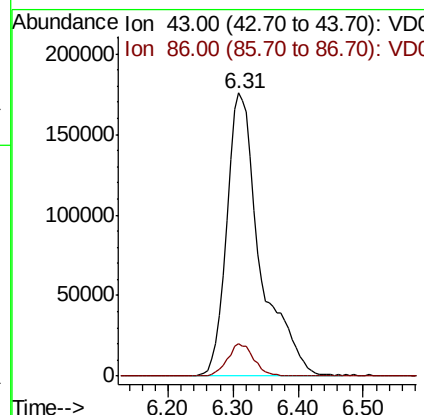
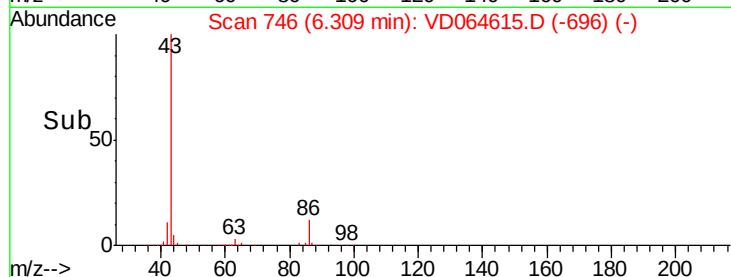
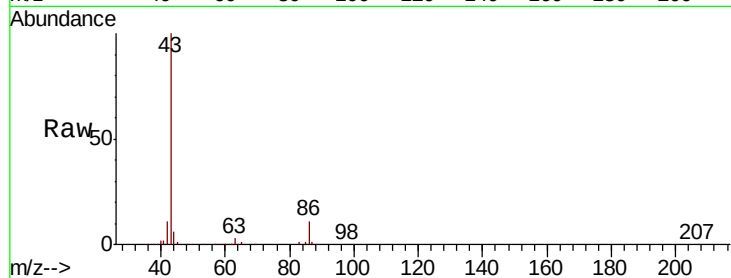
#23
 Vinyl Acetate
 Concen: 113.025 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.5	8.3	12.5

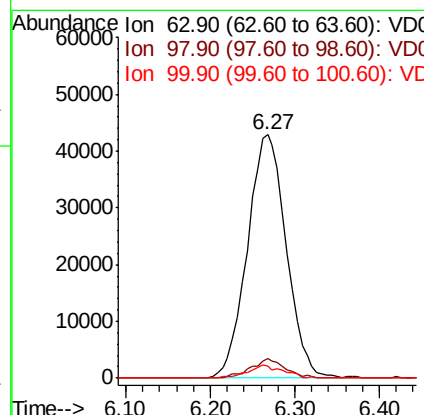
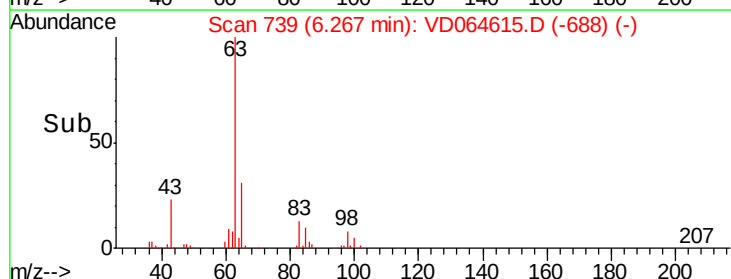
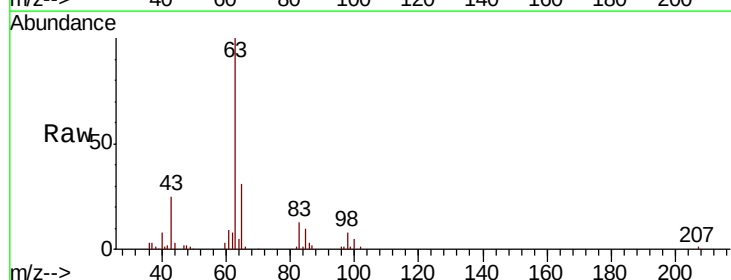
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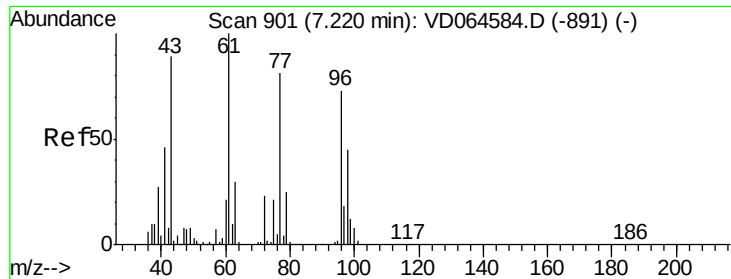
apatel
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#24
 1,1-Dichloroethane
 Concen: 23.328 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.8	4.1	12.3
100	5.1	2.2	6.6





#25

2-Butanone

Concen: 115.088 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS02

Tot Ion: 43 Resp: 99538

Ion Ratio Lower Upper

43 100

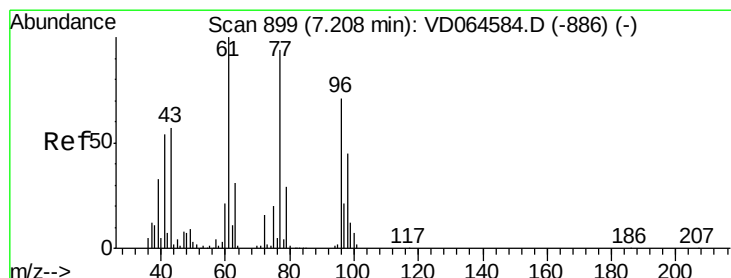
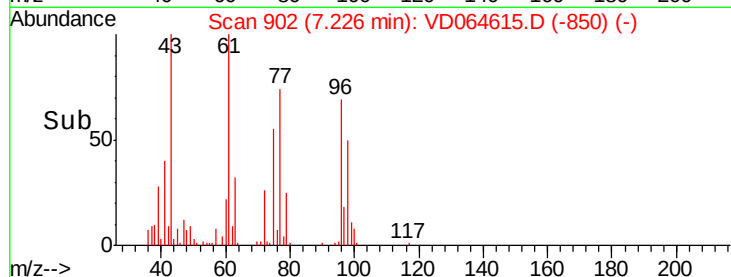
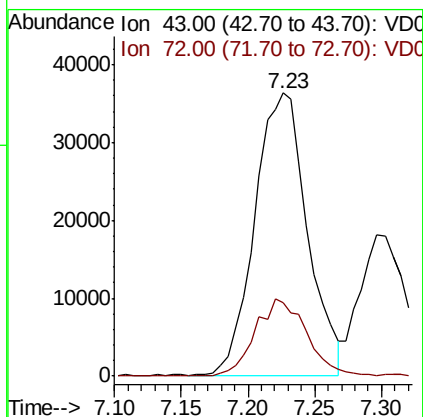
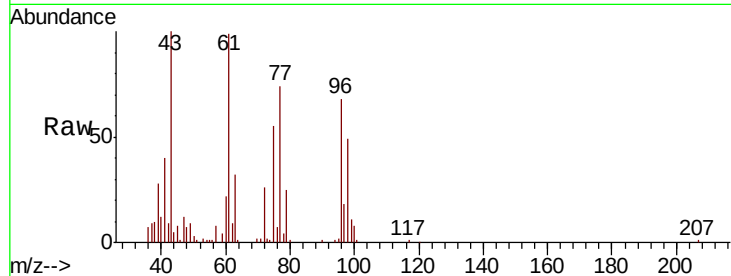
72 25.8 20.7 31.1

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#26

2,2-Dichloropropane

Concen: 19.556 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064615.D

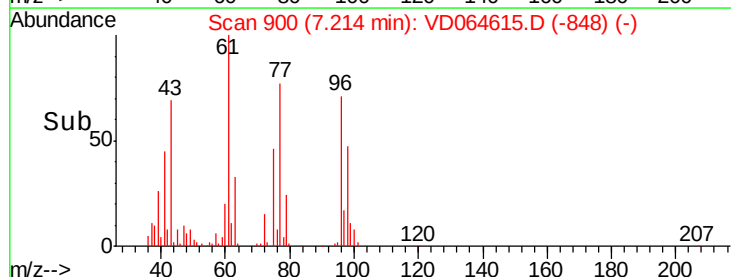
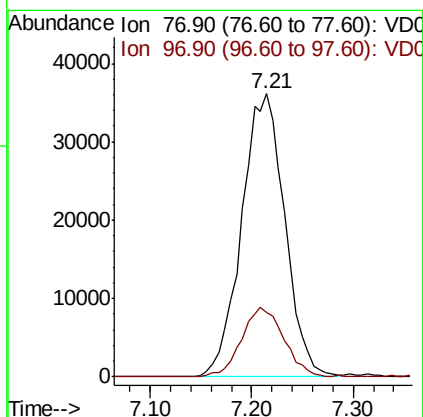
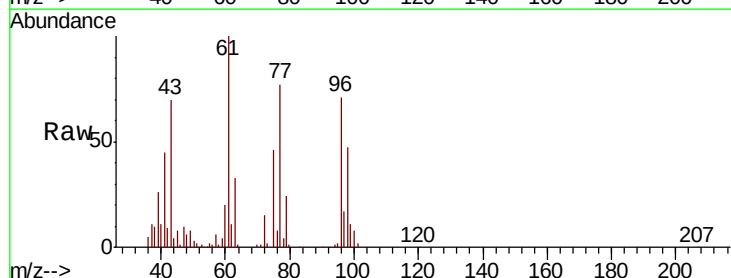
Acq: 27 Dec 2019 00:09

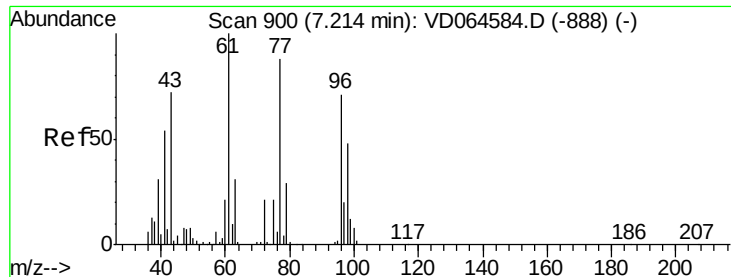
Tgt Ion: 77 Resp: 106565

Ion Ratio Lower Upper

77 100

97 24.1 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 22.361 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

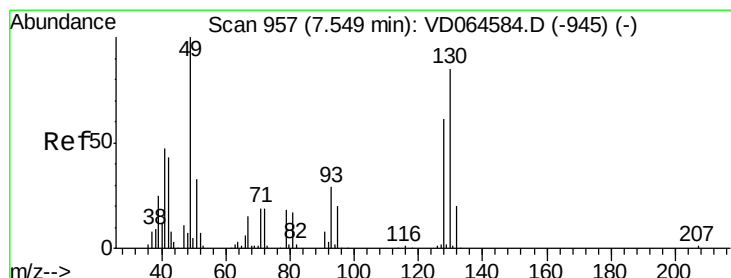
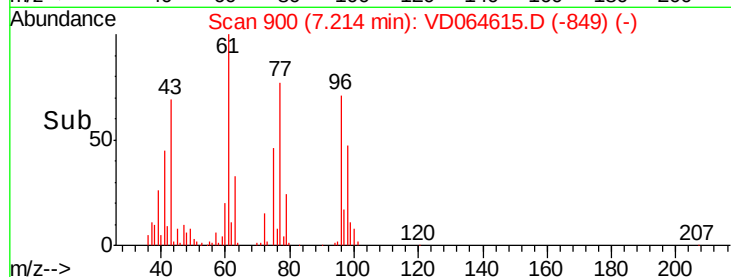
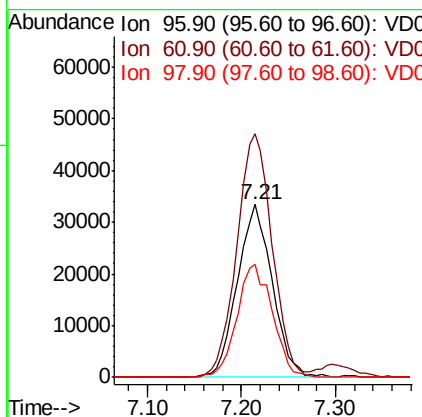
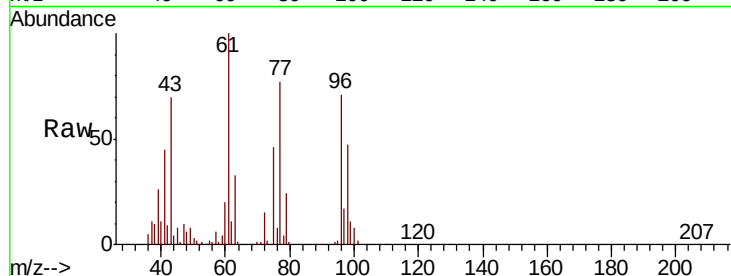
ClientSampleId :

VD1226SBS02

Tot Ion:	96	Resp:	86279
Ion	Ratio	Lower	Upper
96	100		
61	142.0	0.0	282.6
98	66.0	0.0	130.8

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#28

Bromochloromethane

Concen: 21.810 ug/l

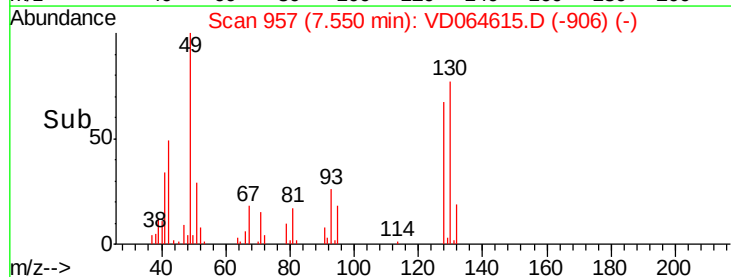
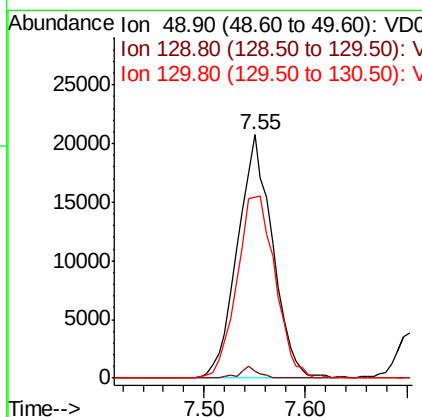
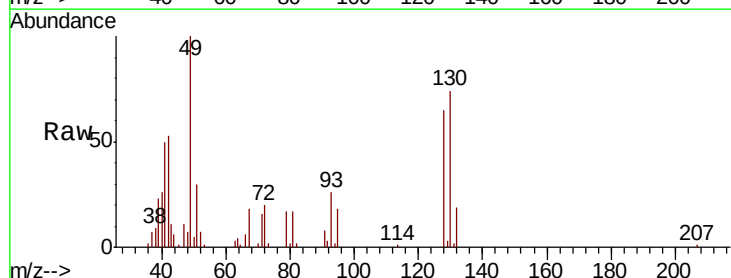
RT: 7.55 min Scan# 957

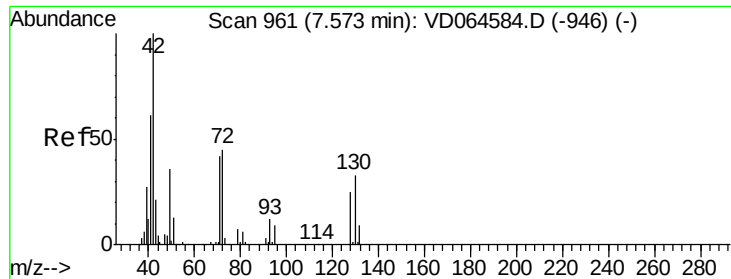
Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Tgt Ion:	49	Resp:	49689
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	81.6	65.0	97.6





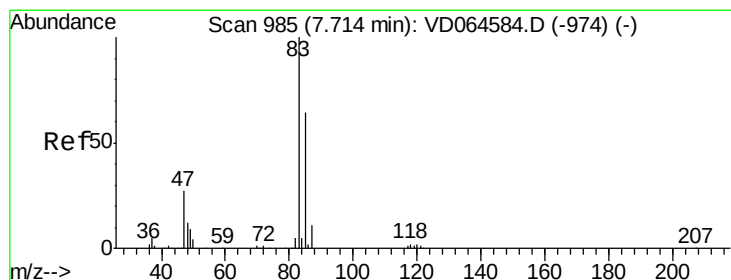
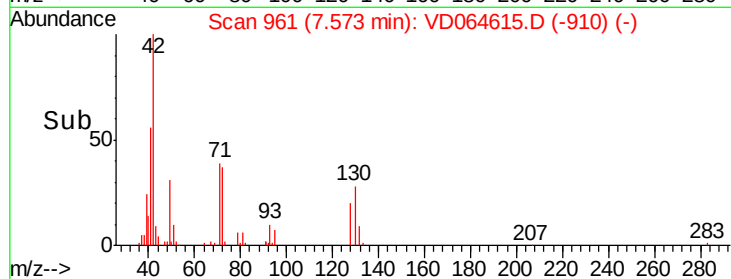
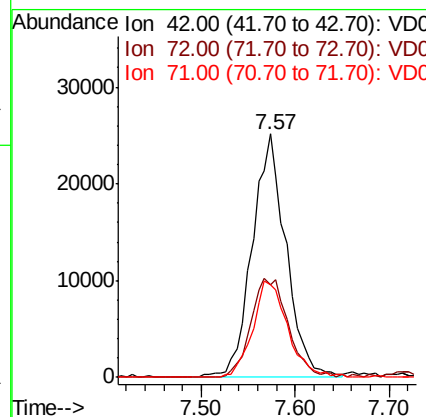
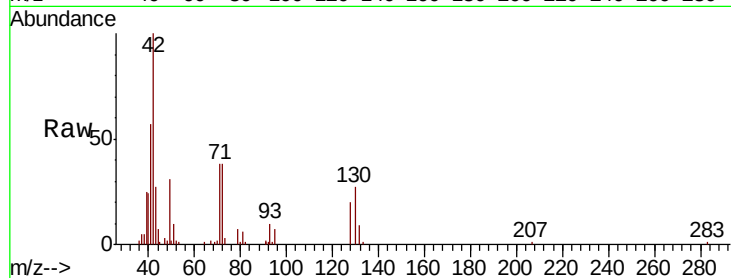
#29
Tetrahydrofuran
Concen: 116.329 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	35.0	52.4
71	41.2	32.9	49.3

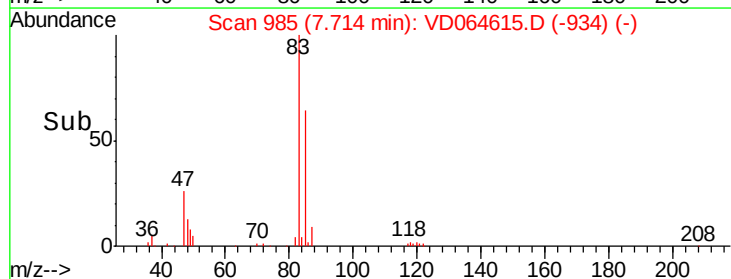
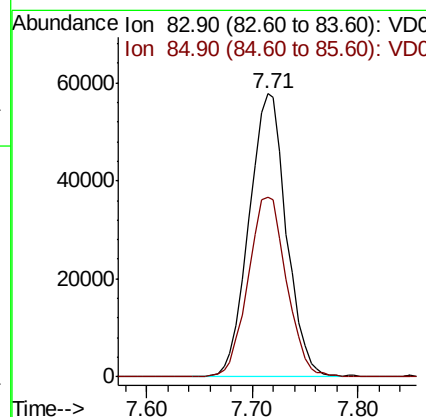
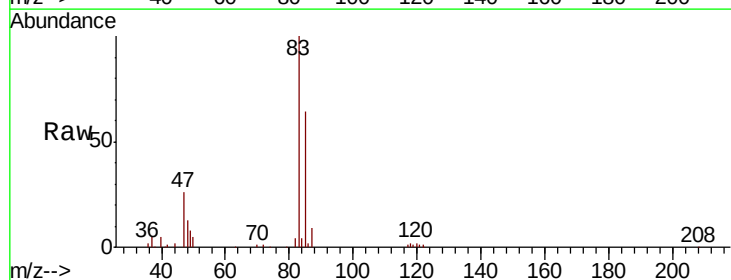
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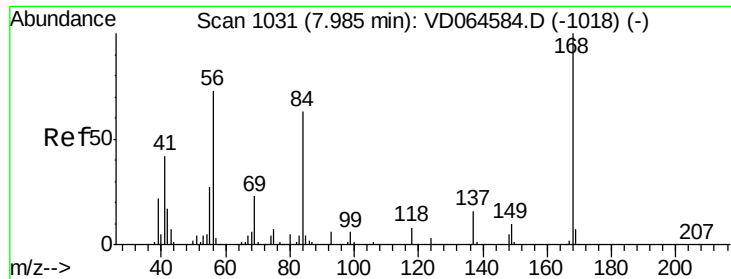
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#30
Chloroform
Concen: 23.080 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.1	76.7





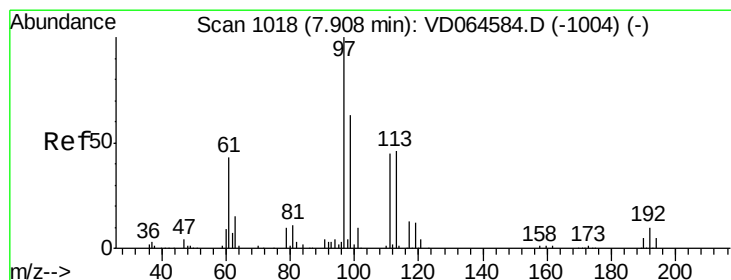
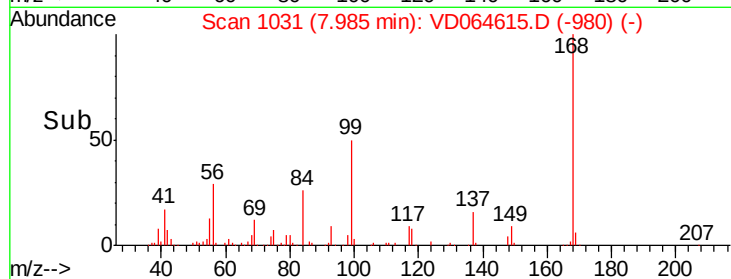
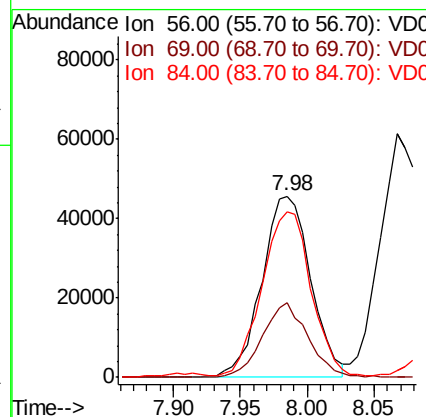
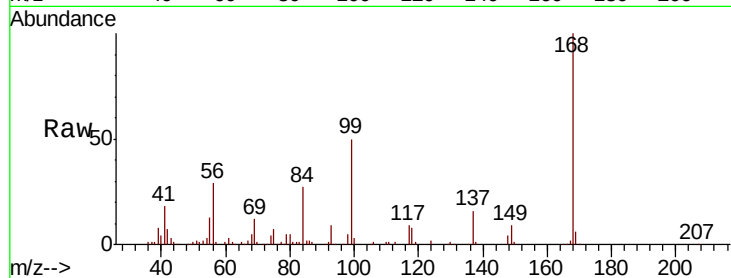
#31
Cyclohexane
Concen: 19.789 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.3	24.7	37.1#
84	89.2	69.4	104.2

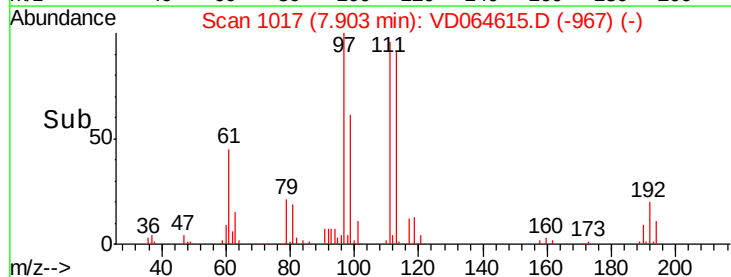
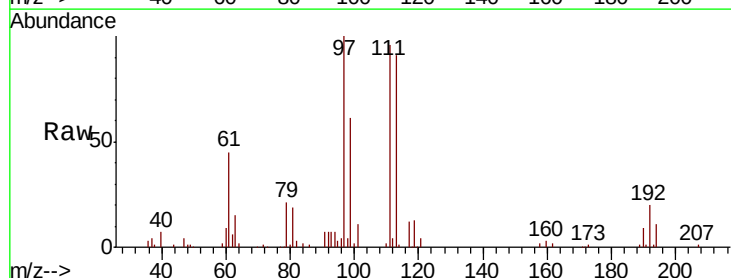
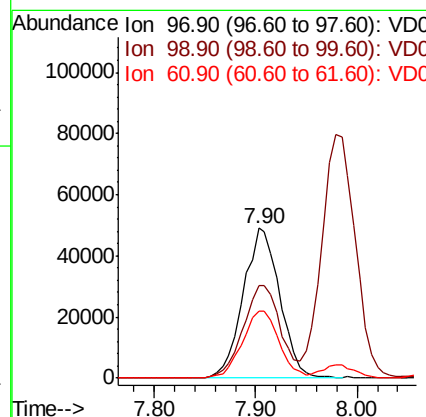
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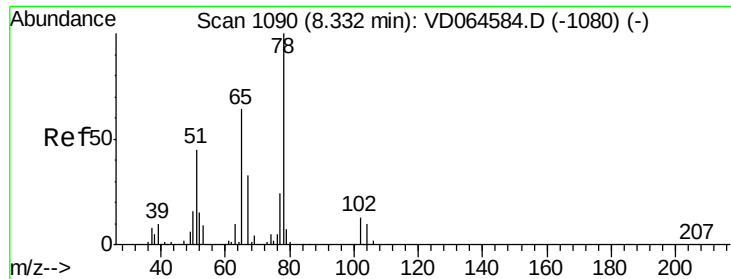
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#32
1,1,1-Trichloroethane
Concen: 21.323 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.0	76.6
61	44.9	35.4	53.0





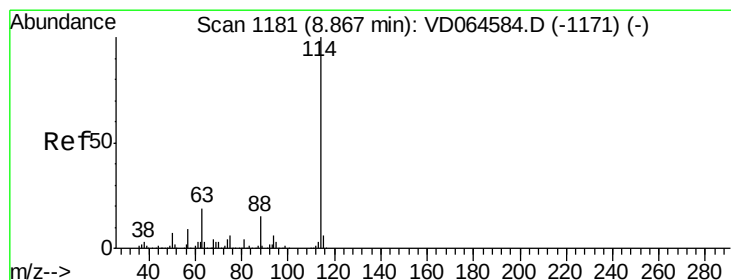
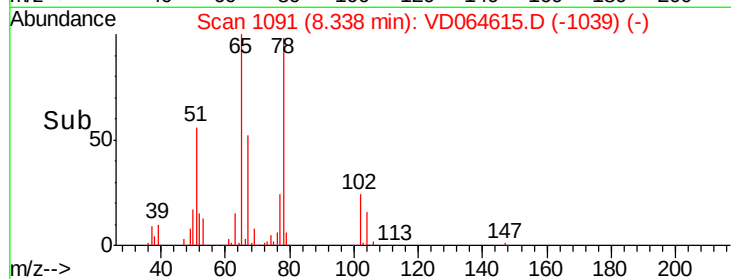
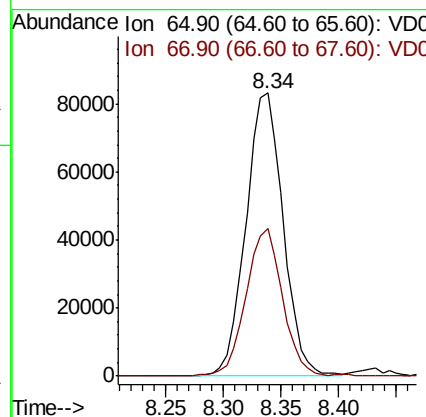
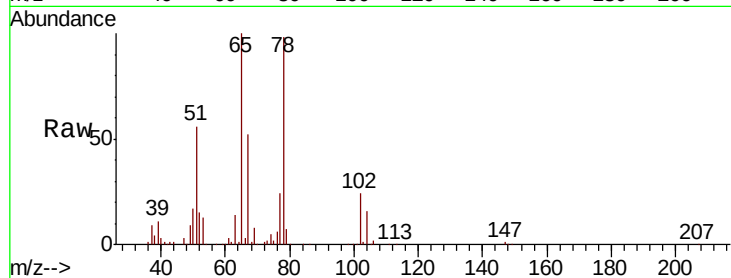
#33
 1,2-Dichloroethane-d4
 Concen: 59.420 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.4	0.0	106.2	

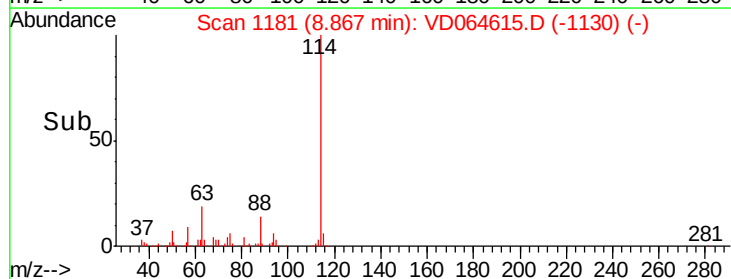
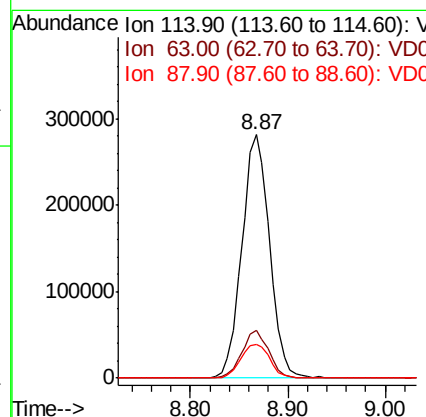
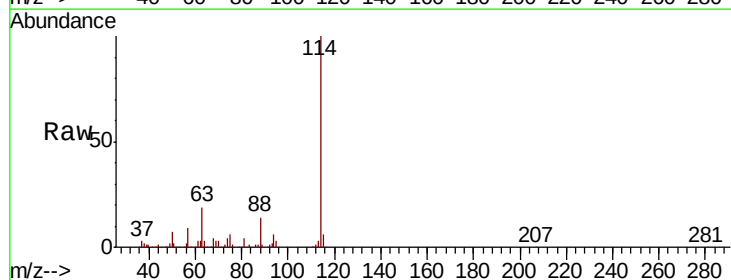
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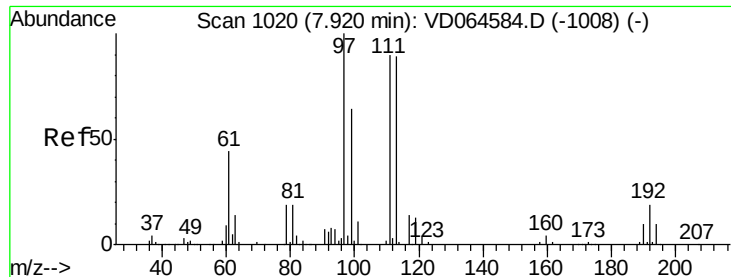
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.4	0.0	38.0	
88	13.7	0.0	29.2	





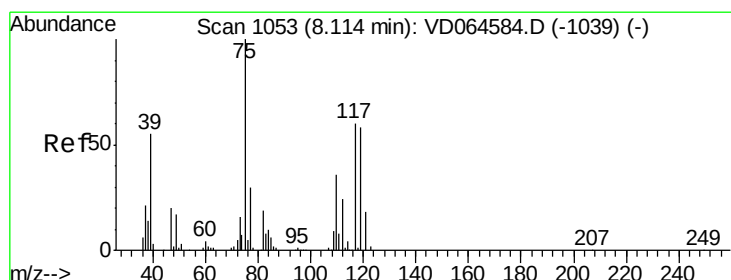
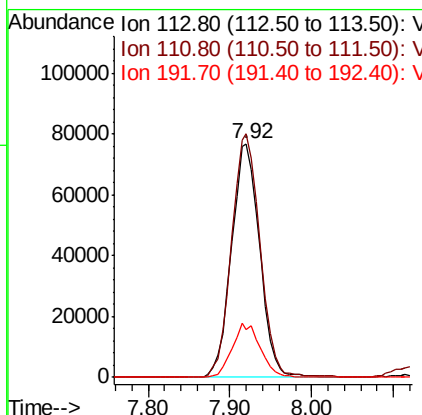
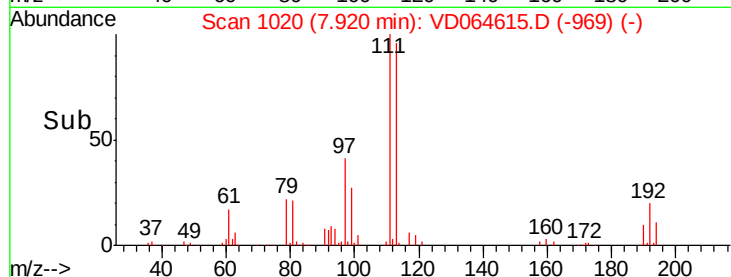
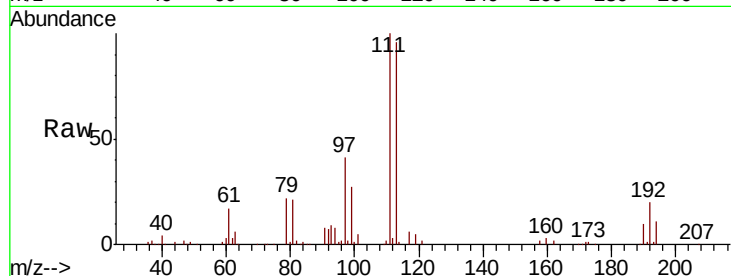
#35
 Dibromofluoromethane
 Concen: 54.142 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	184823		
111	104.5	80.6	121.0	
192	23.1	17.9	26.9	

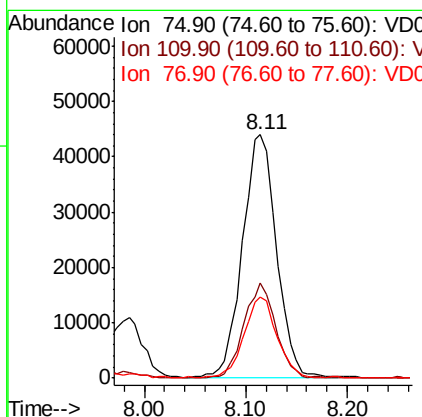
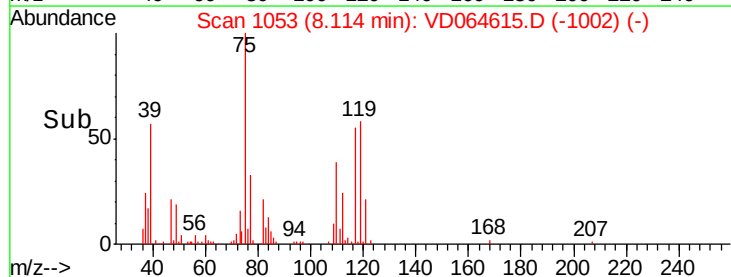
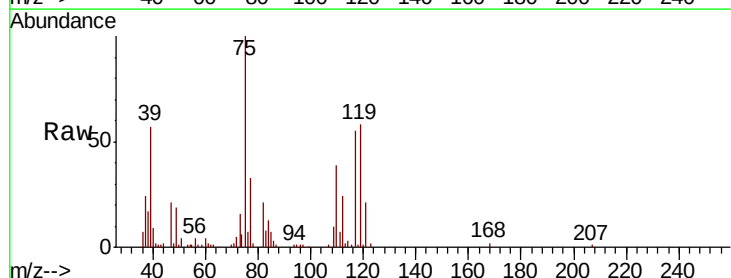
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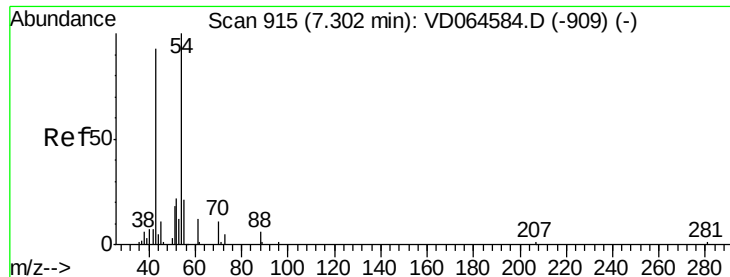
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#36
 1,1-Dichloropropene
 Concen: 19.224 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	102952		
110	36.4	18.1	54.1	
77	32.1	24.2	36.4	





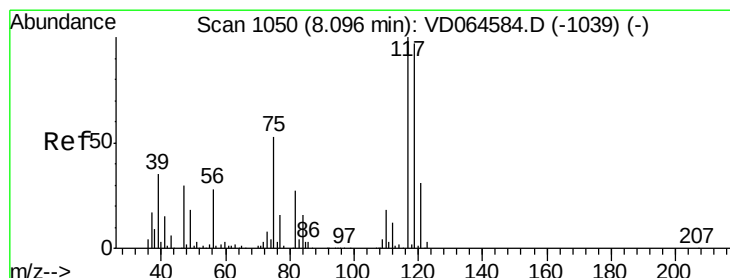
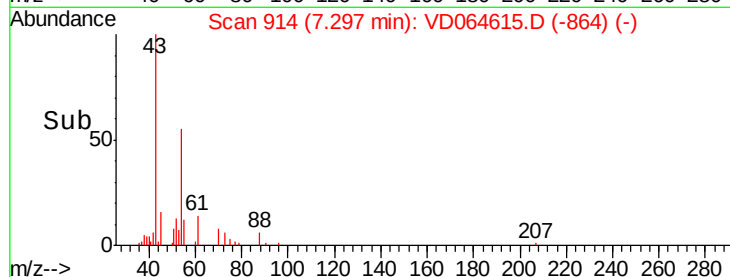
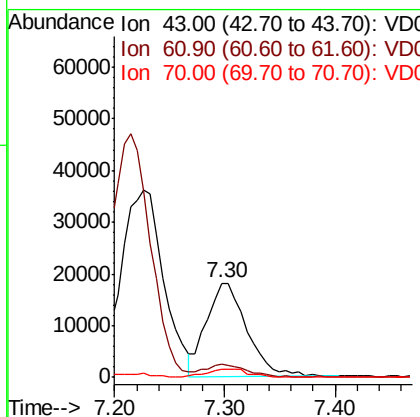
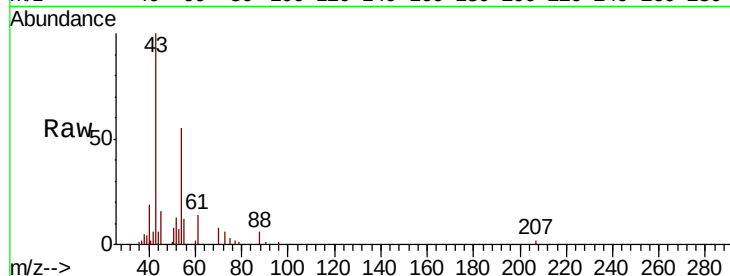
#37
Ethyl Acetate
Concen: 21.970 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	10.3	15.5
70	9.1	7.6	11.4

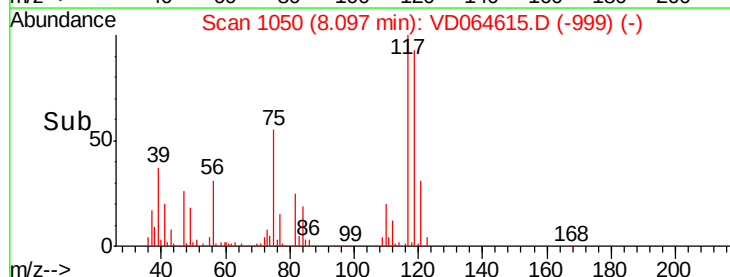
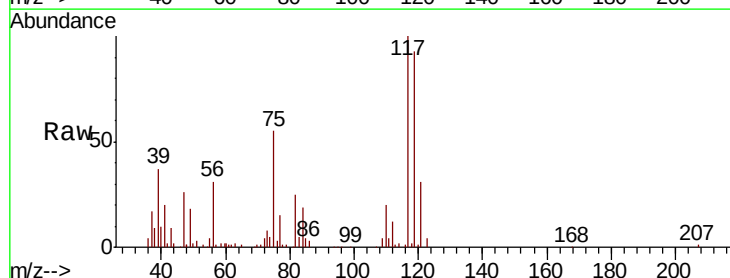
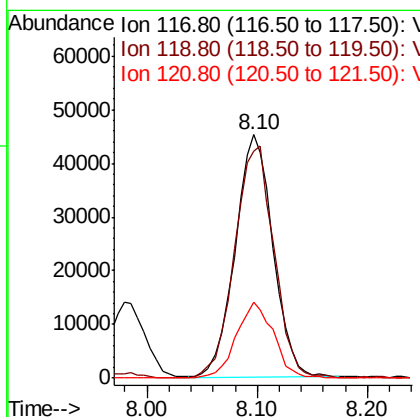
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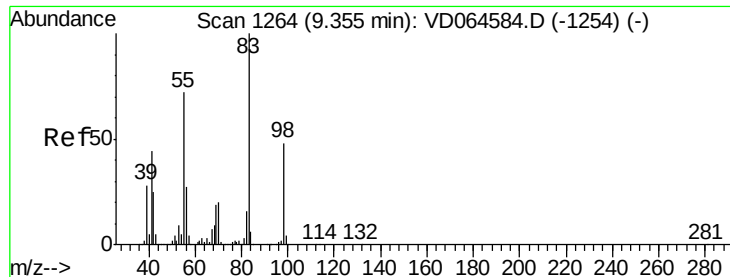
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#38
Carbon Tetrachloride
Concen: 19.019 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	77.3	115.9
121	31.2	25.0	37.6





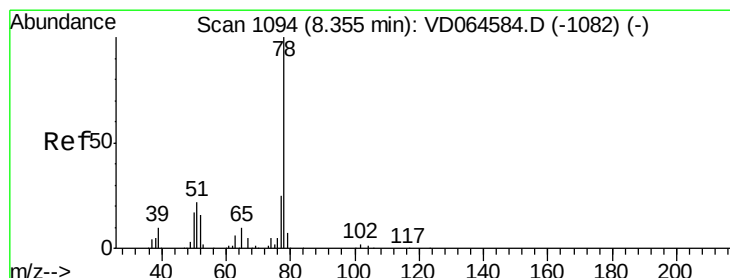
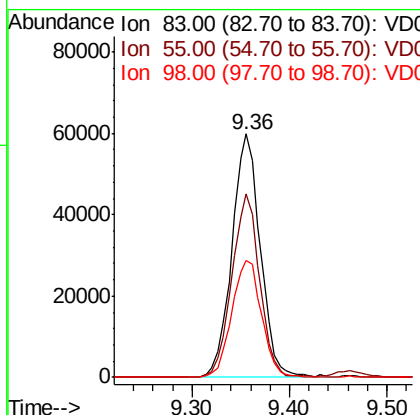
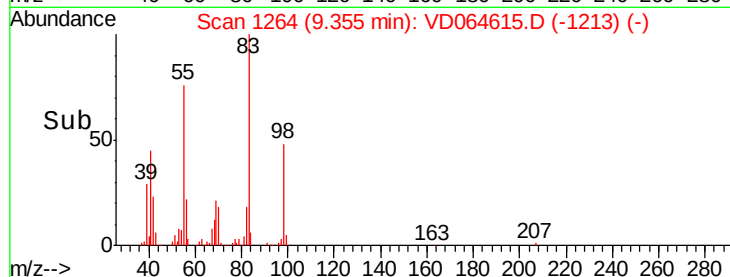
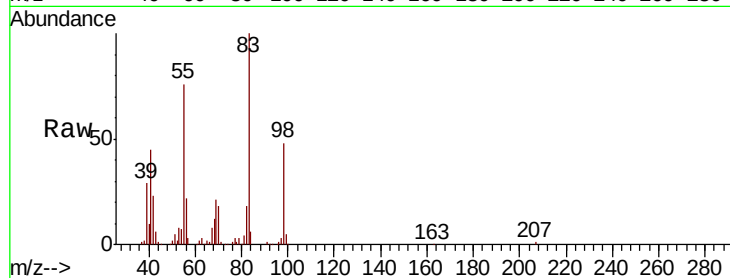
#39
Methylvlcyclohexane
Concen: 18.658 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	121021		
55	75.6		57.8	86.6
98	48.1		38.7	58.1

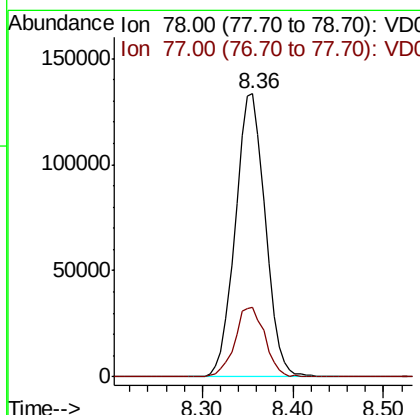
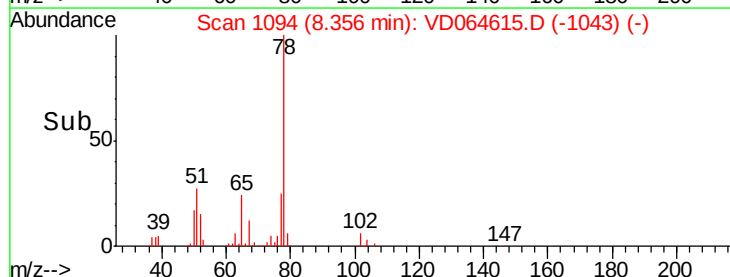
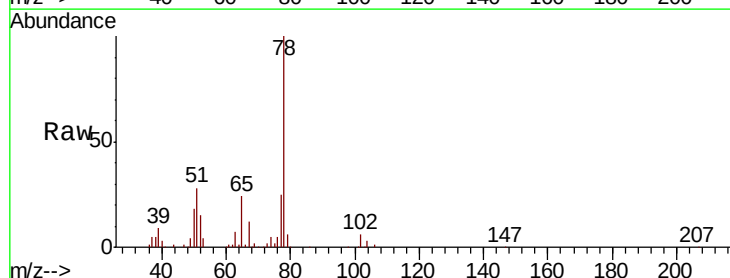
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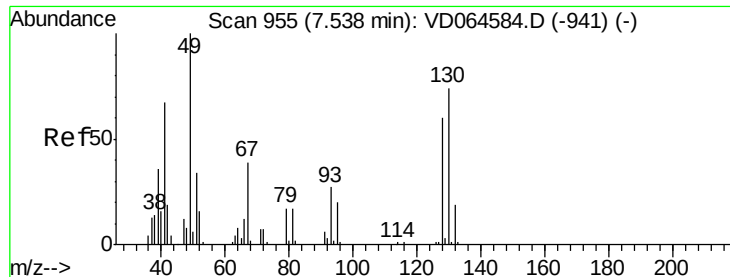
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#40
Benzene
Concen: 21.006 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	307106		
77	24.8		19.9	29.9





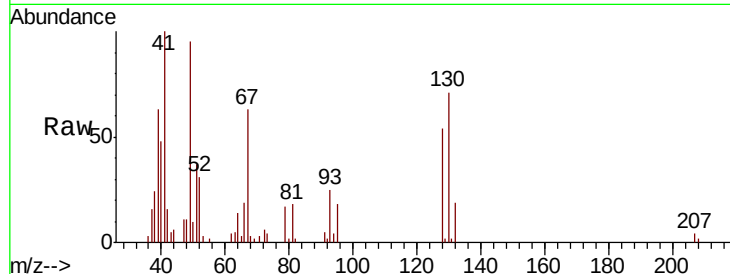
#41
Methacrylonitrile
Concen: 24.282 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS02

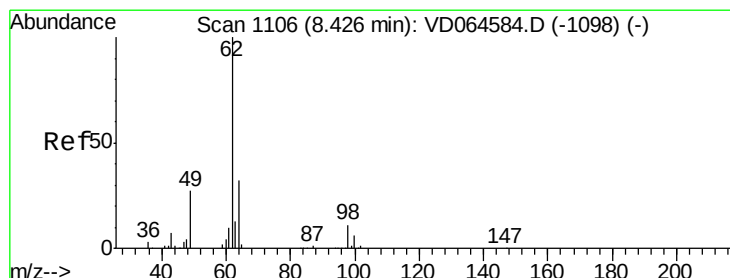
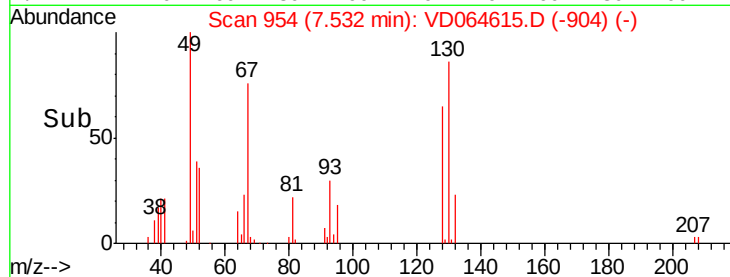
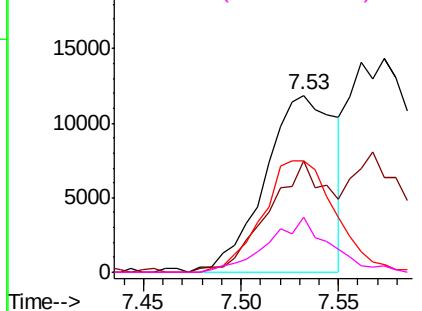
Tot Ion:	41	Resp:	29640
Ion	Ratio	Lower	Upper
41	100		
39	55.4	46.7	70.1
67	65.5	52.5	78.7
52	27.5	24.1	36.1

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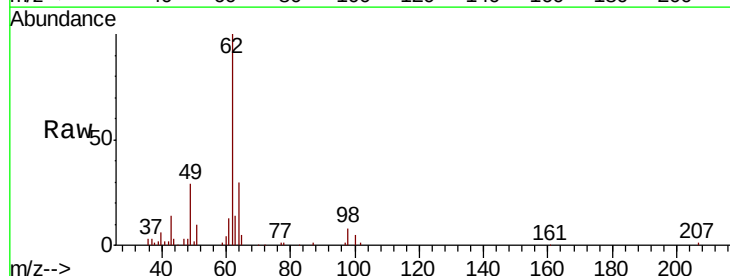


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

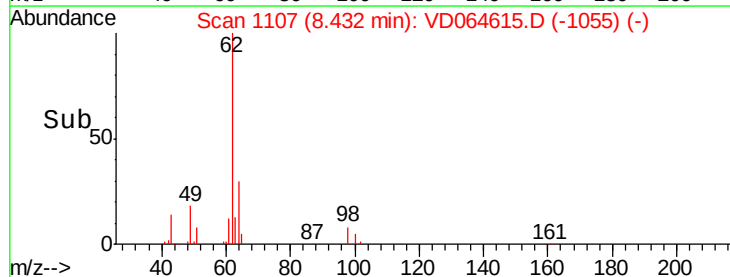
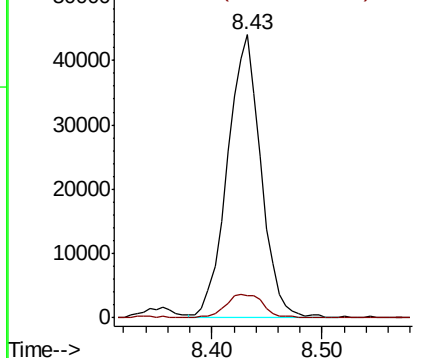


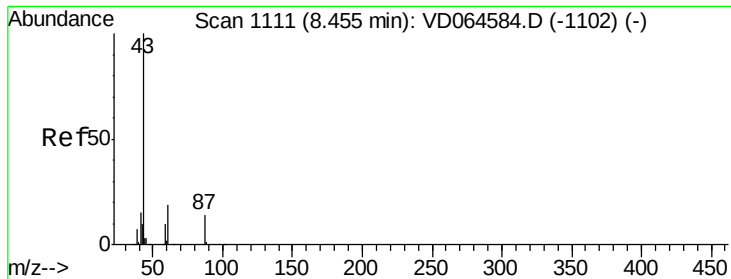
#42
1,2-Dichloroethane
Concen: 22.065 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion:	62	Resp:	93217
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





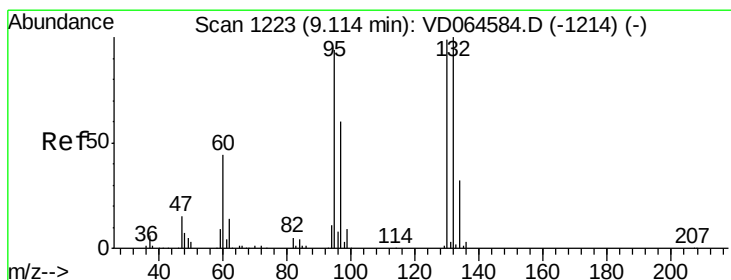
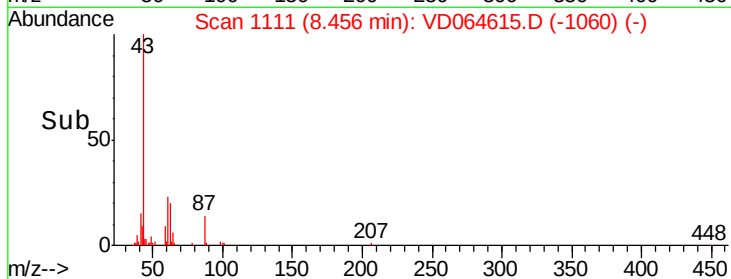
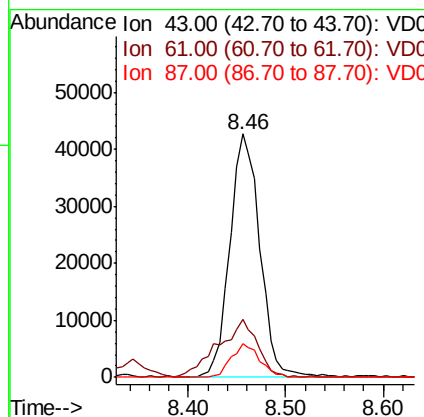
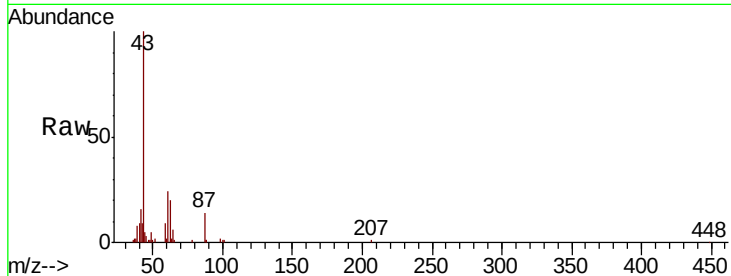
#43
Isopropyl Acetate
Concen: 21.766 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.4	23.7	35.5
87	13.2	10.5	15.7

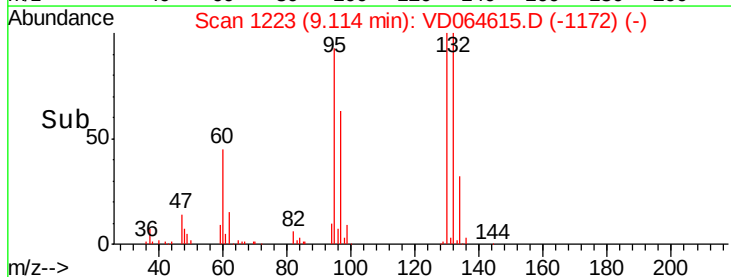
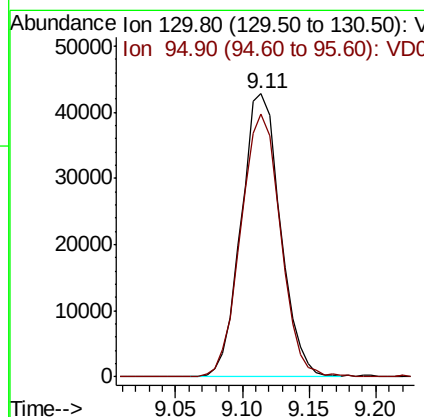
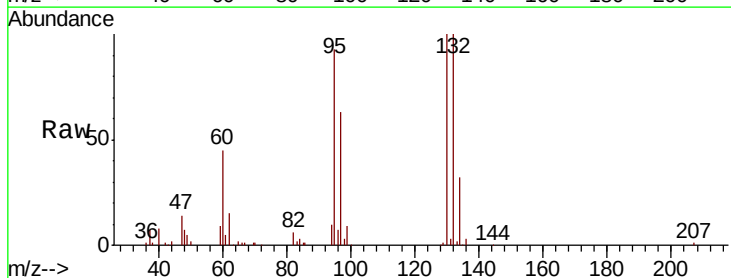
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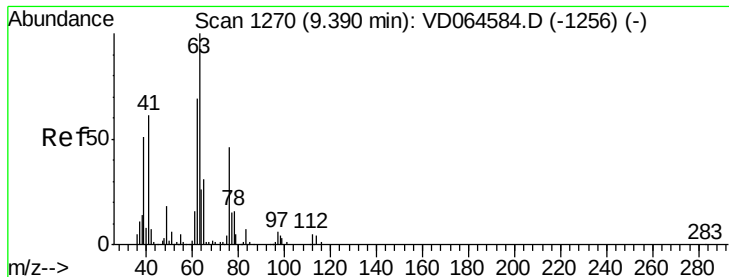
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#44
Trichloroethene
Concen: 20.258 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	190.2





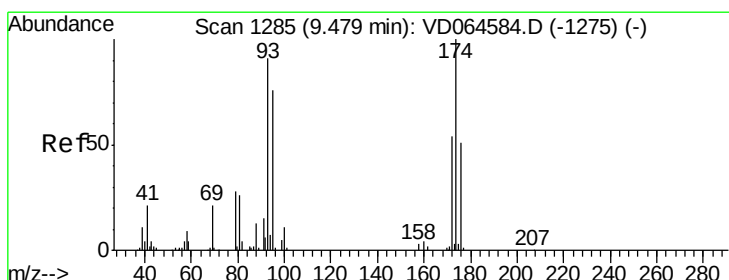
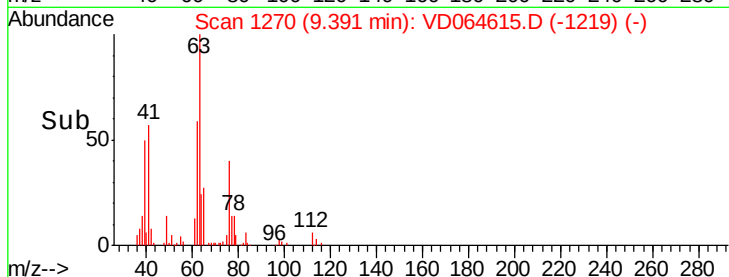
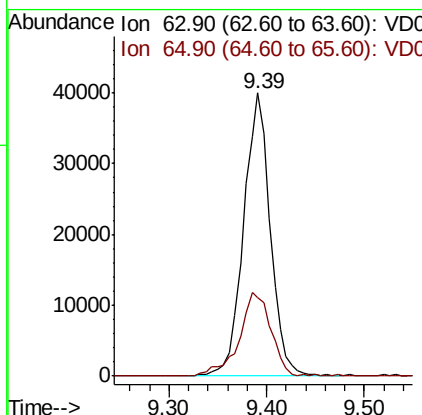
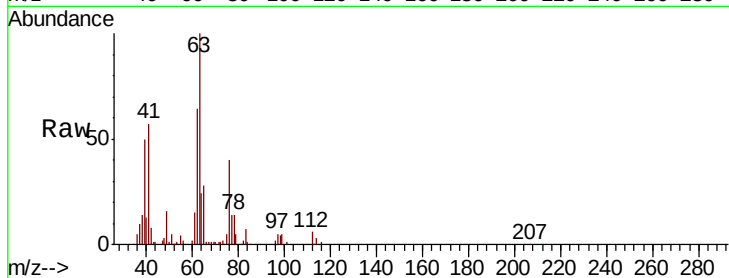
#45
 1,2-Dichloropropane
 Concen: 21.693 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	27.7	25.2	37.8

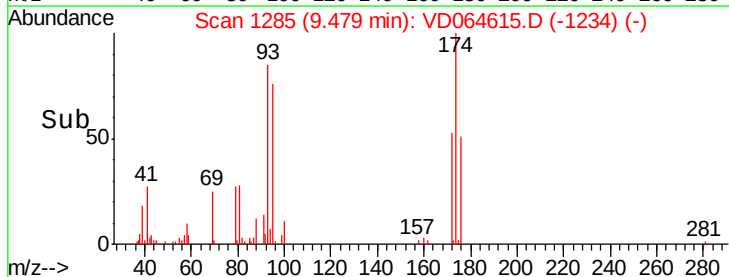
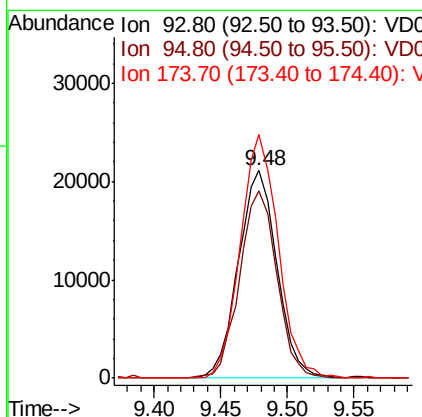
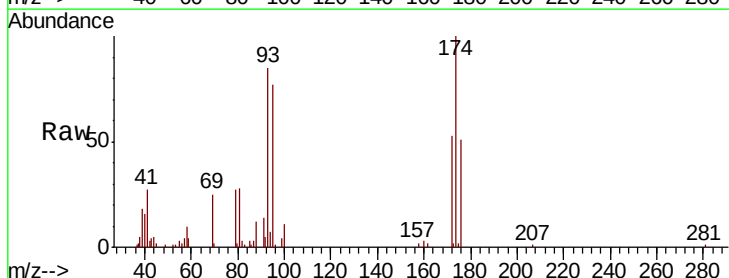
Manual Integrations
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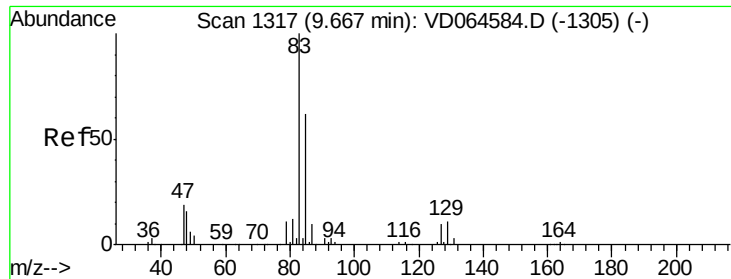
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#46
 Dibromomethane
 Concen: 21.728 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Tgt Ion	Ratio	Lower	Upper
93	100		
95	86.9	64.6	97.0
174	115.1	88.1	132.1





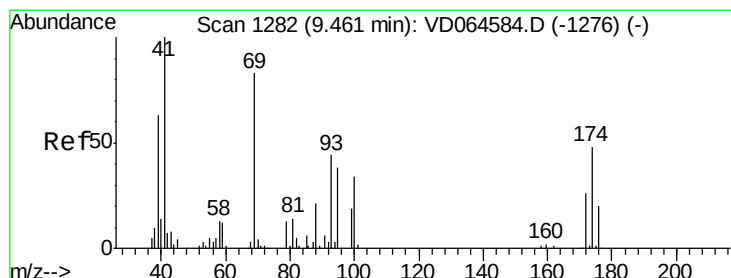
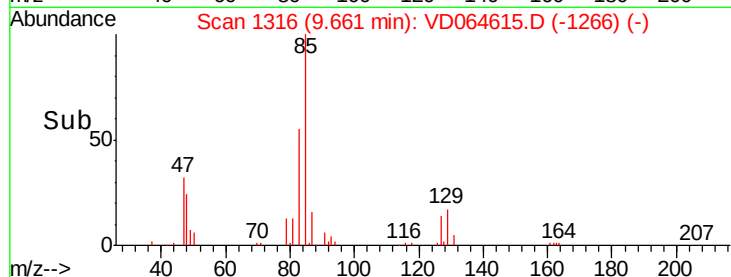
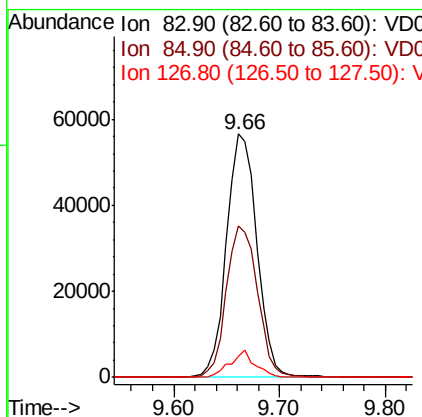
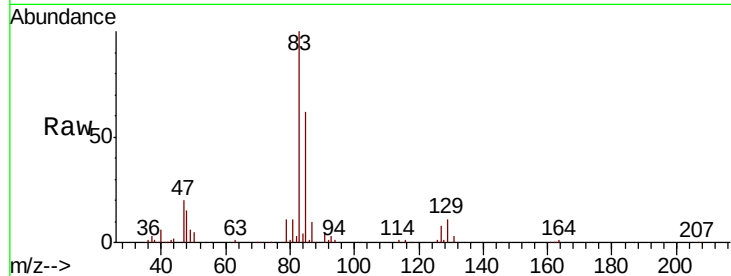
#47
Bromodichloromethane
Concen: 21.707 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	62.5	49.5	74.3	
127	8.5	7.8	11.6	

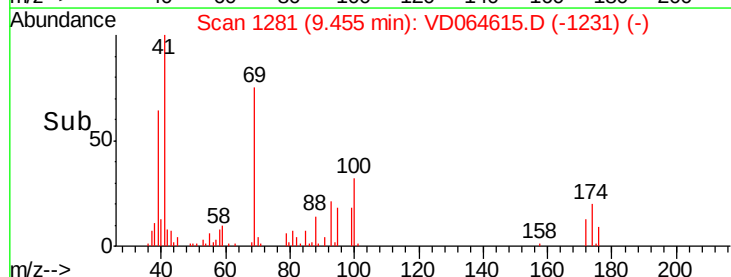
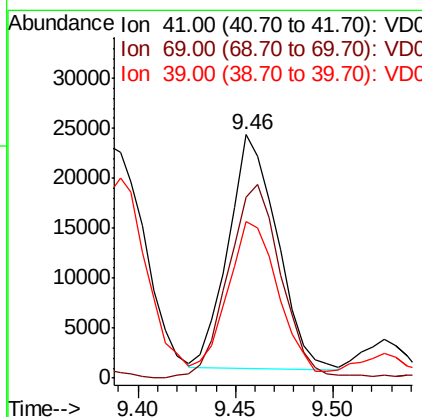
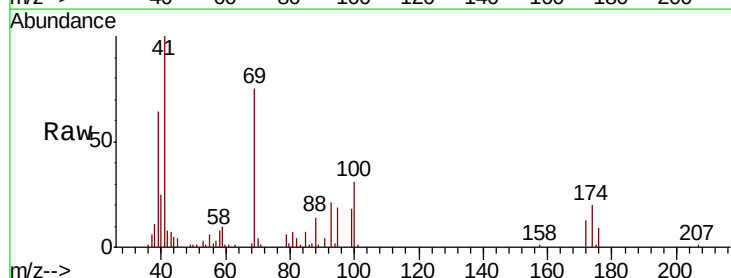
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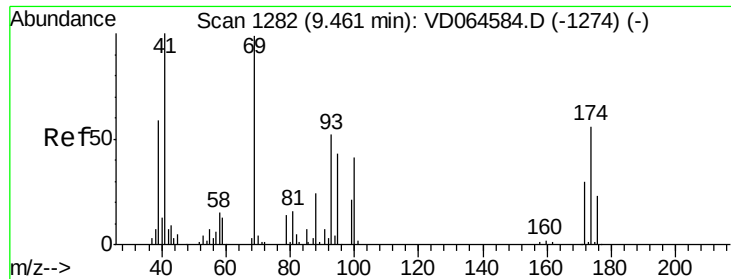
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#48
Methyl methacrylate
Concen: 20.624 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	89.5	63.0	94.6	
39	71.6	47.4	71.2#	





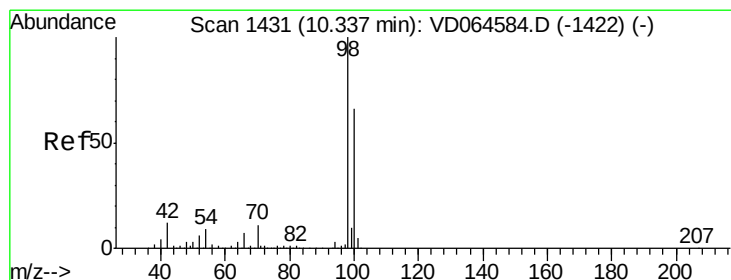
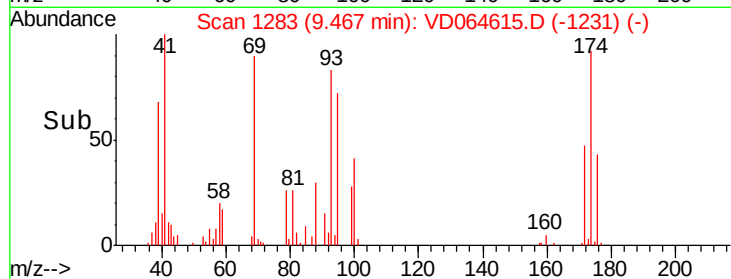
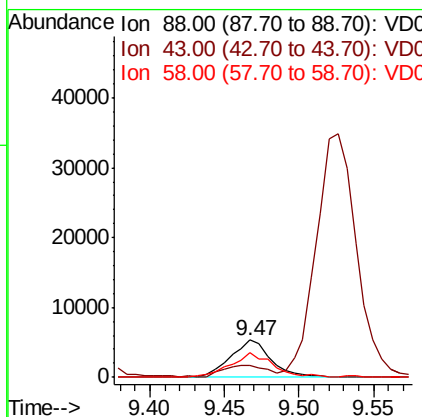
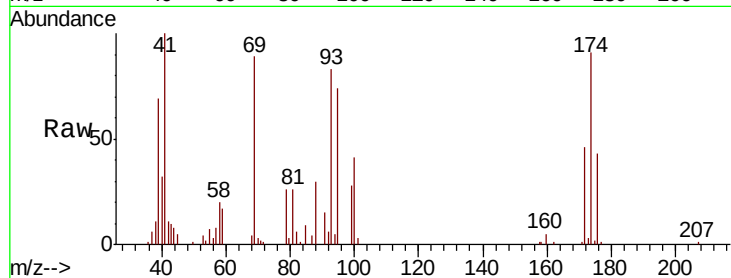
#49
1,4-Dioxane
Concen: 445.090 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.7	27.7	41.5
58	69.5	53.8	80.6

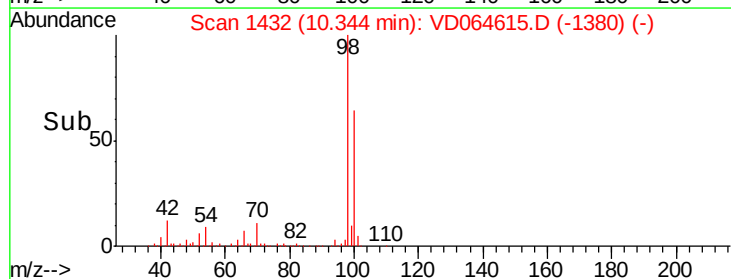
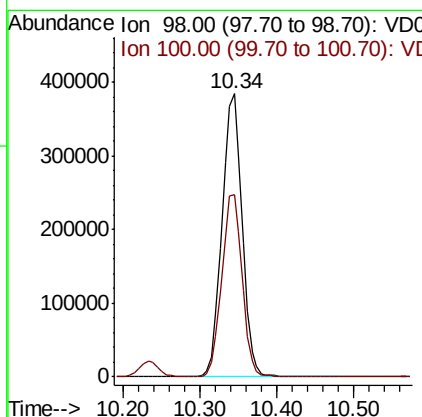
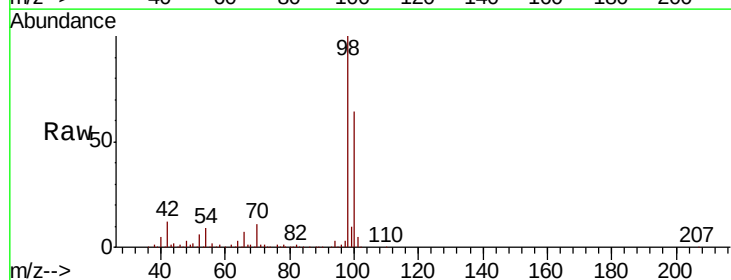
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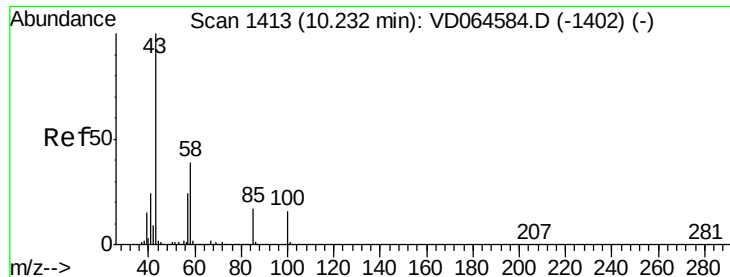
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#50
Toluene-d8
Concen: 53.475 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.7	77.5





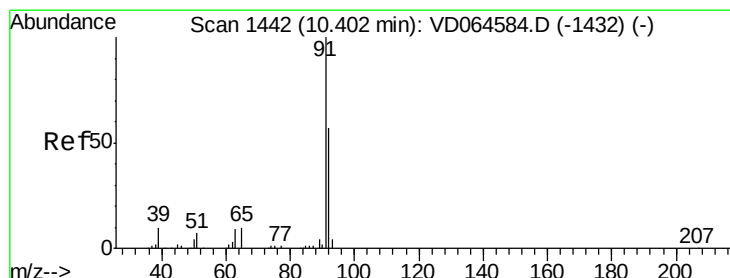
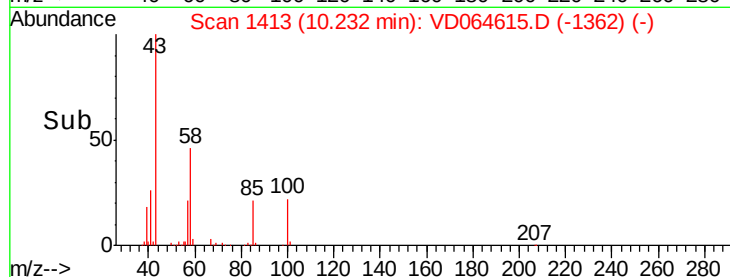
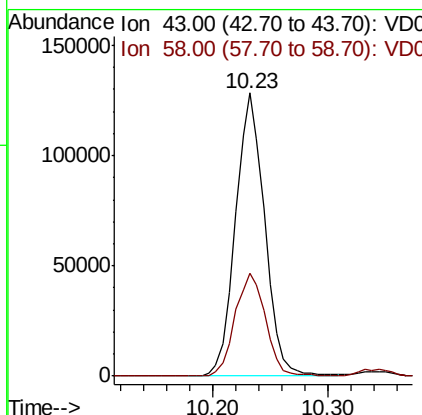
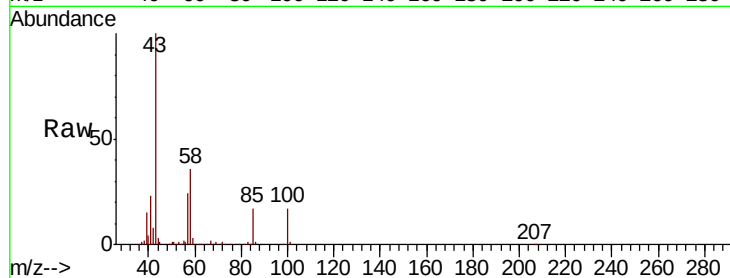
#51
4-Methyl-2-Pentanone
Concen: 108.570 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.2	30.2	45.2

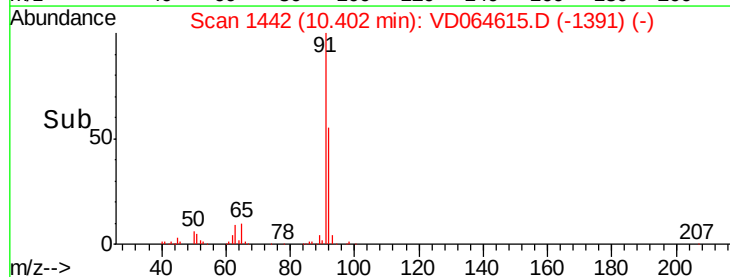
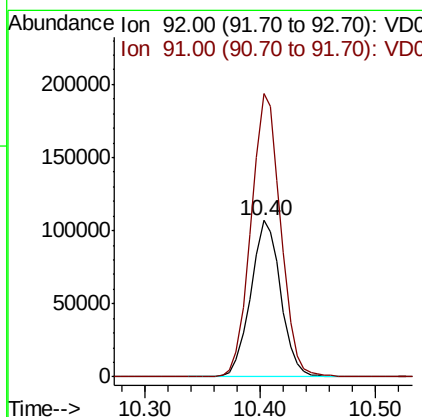
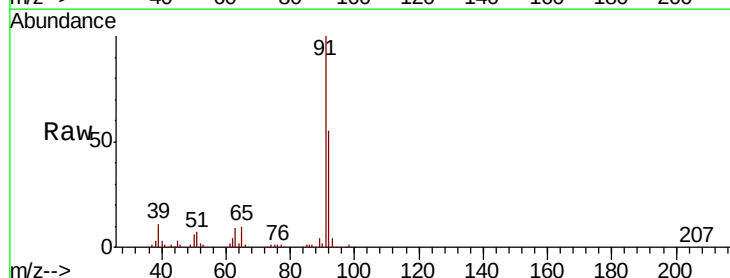
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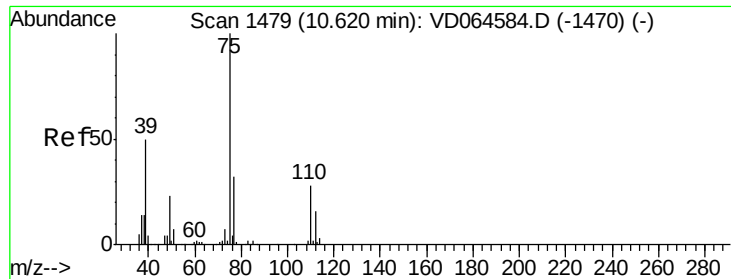
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#52
Toluene
Concen: 20.177 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion	Ratio	Lower	Upper
92	100		
91	178.9	138.7	208.1





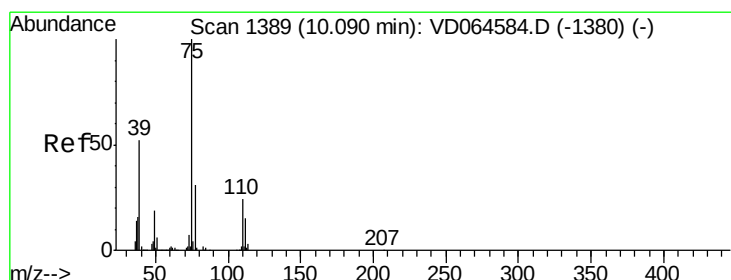
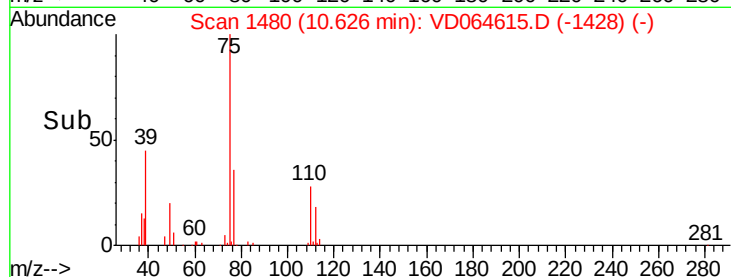
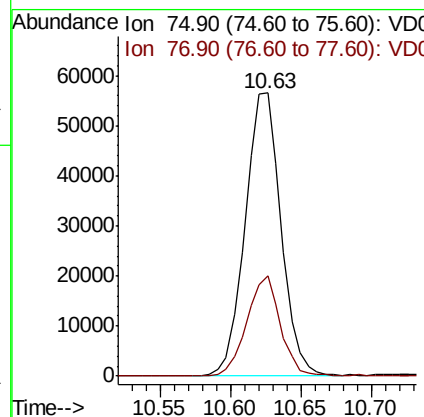
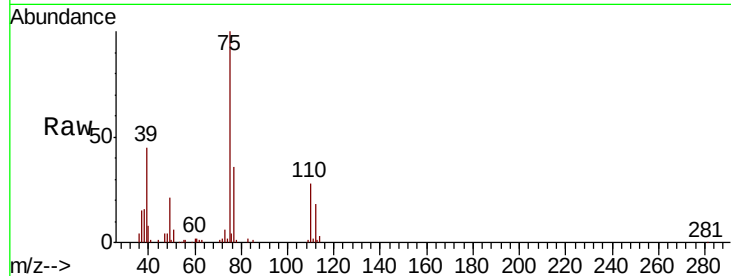
#53
 t-1,3-Dichloropropene
 Concen: 20.903 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS02

Tot Ion: 75 Resp: 100923
 Ion Ratio Lower Upper
 75 100
 77 35.6 25.4 38.2

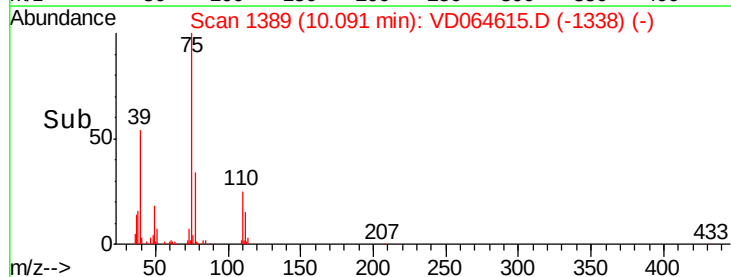
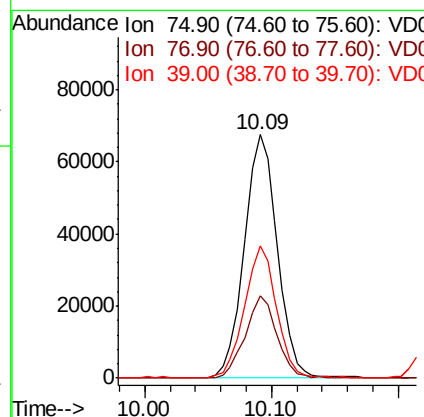
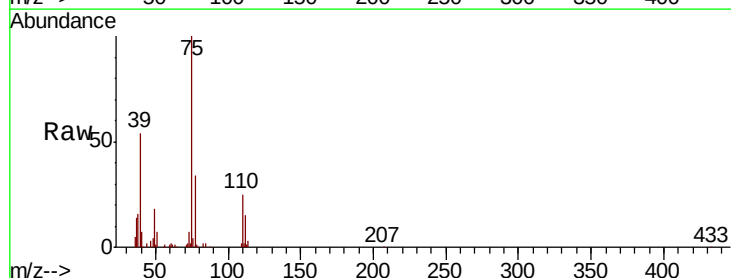
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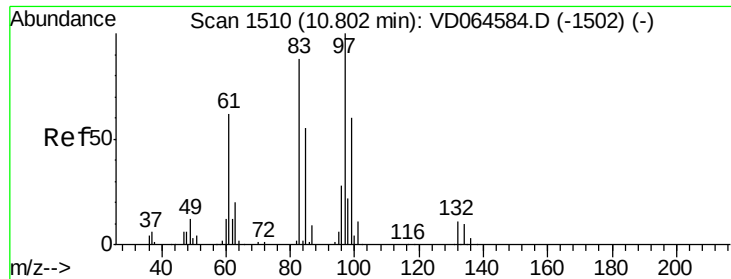
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#54
 cis-1,3-Dichloropropene
 Concen: 21.430 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Tgt Ion: 75 Resp: 122005
 Ion Ratio Lower Upper
 75 100
 77 33.8 24.6 36.8
 39 54.2 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 21.511 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS02

Tot Ion: 97 Resp: 56418

Ion Ratio Lower Upper

97 100

83 85.6 70.2 105.4

85 57.3 44.0 66.0

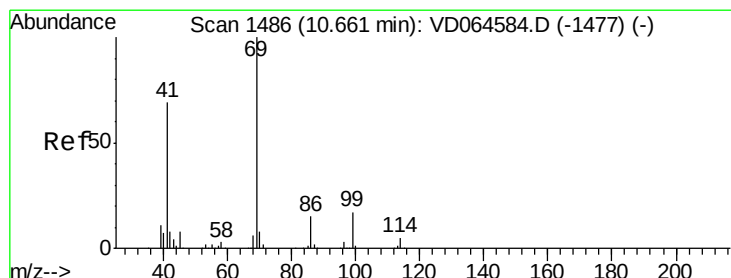
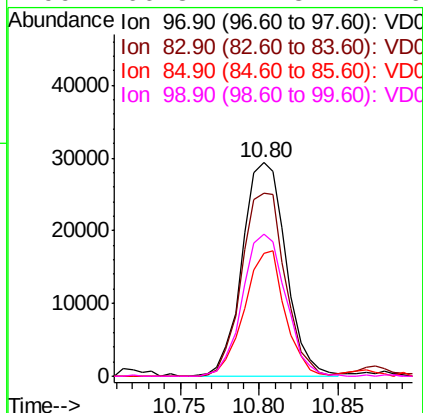
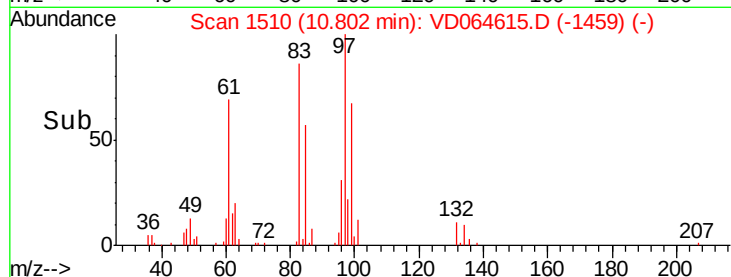
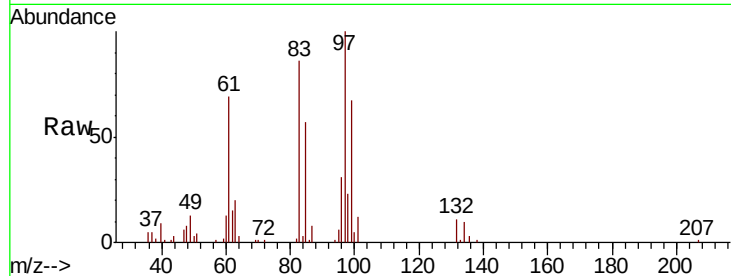
99 66.8 47.8 71.6

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#56

Ethyl methacrylate

Concen: 22.034 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

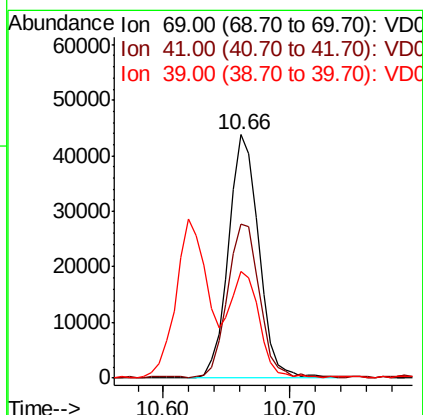
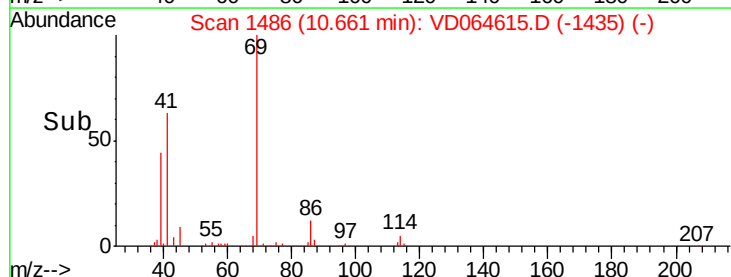
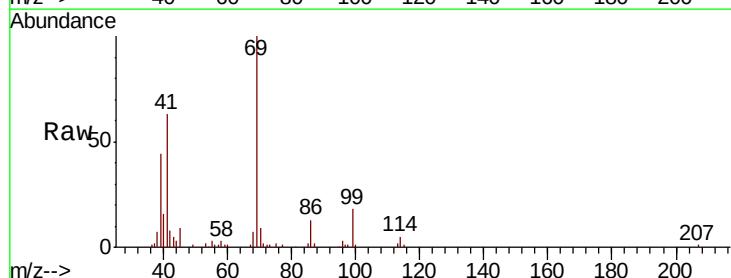
Tgt Ion: 69 Resp: 72173

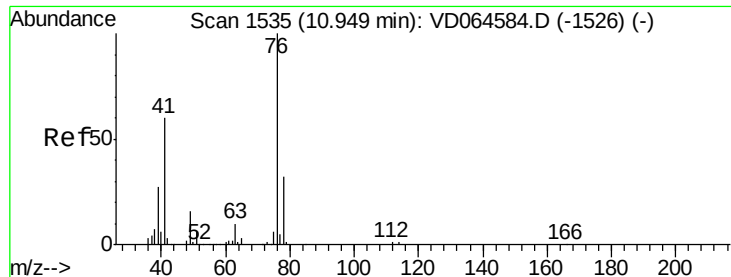
Ion Ratio Lower Upper

69 100

41 68.1 55.3 82.9

39 42.7 33.8 50.8





#57

1,3-Dichloropropane

Concen: 22.392 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS02

Tot Ion: 76 Resp: 101121

Ion Ratio Lower Upper

76 100

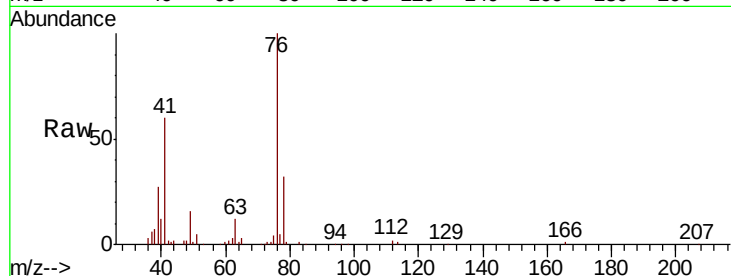
78 32.5 26.2 39.4

Manual Integrations

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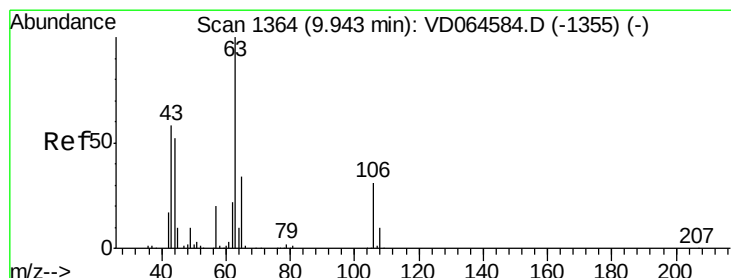
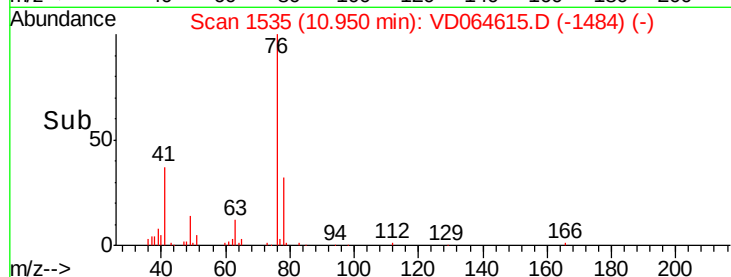
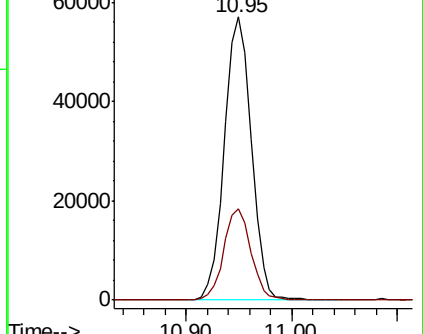
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 117.238 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064615.D

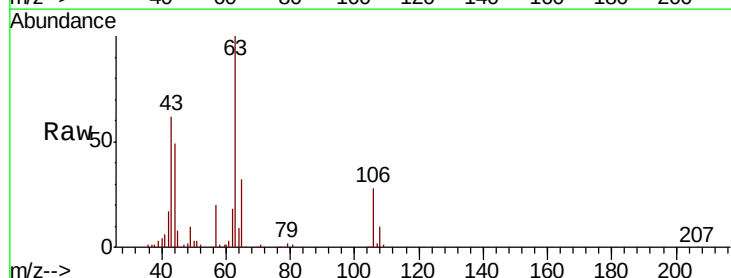
Acq: 27 Dec 2019 00:09

Tgt Ion: 63 Resp: 146306

Ion Ratio Lower Upper

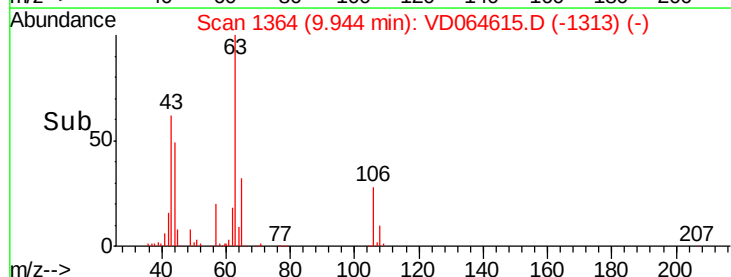
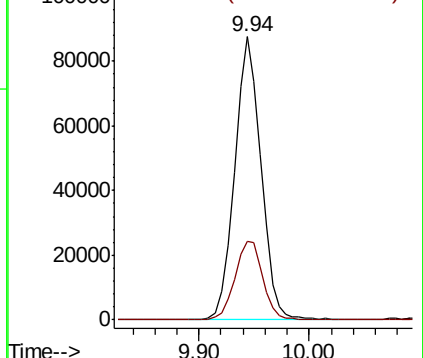
63 100

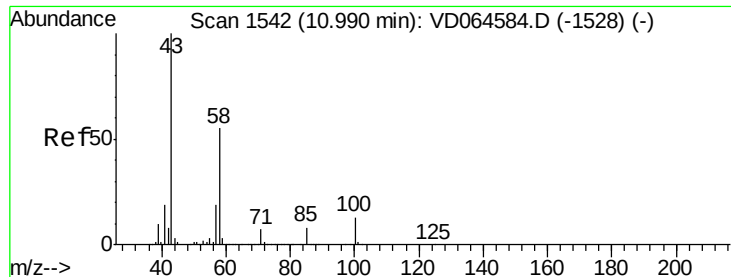
106 29.4 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





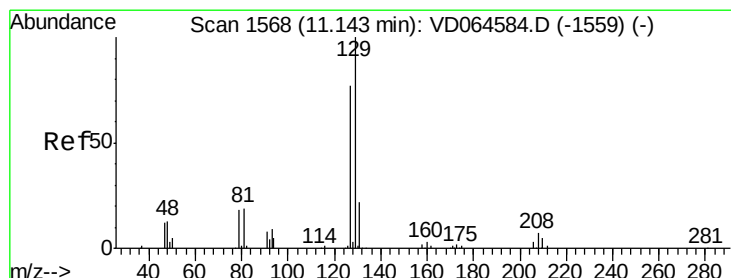
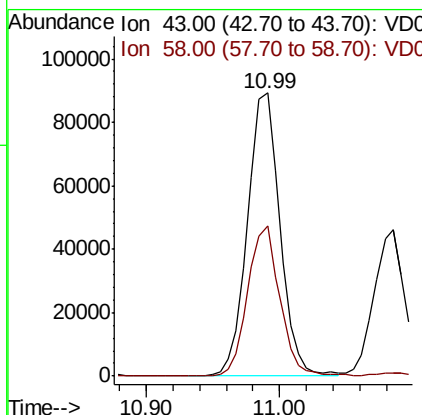
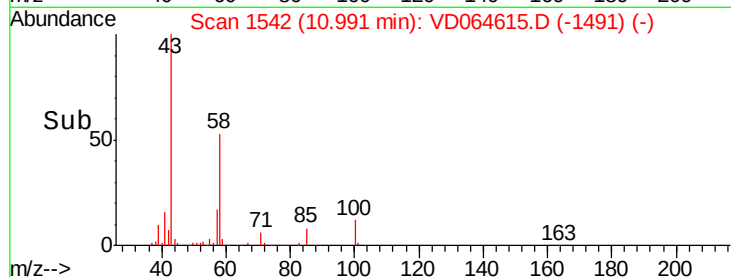
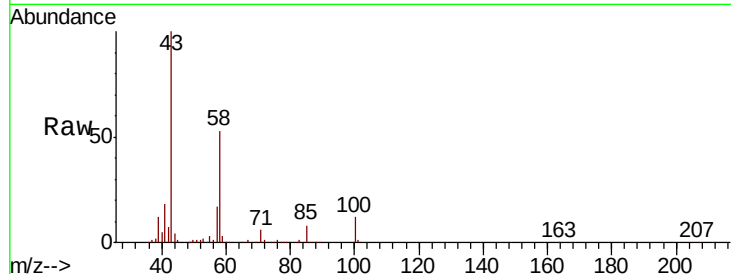
#59
2-Hexanone
Concen: 106.950 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS02

Tot Ion: 43 Resp: 150247
Ion Ratio Lower Upper
43 100
58 52.4 26.4 79.0

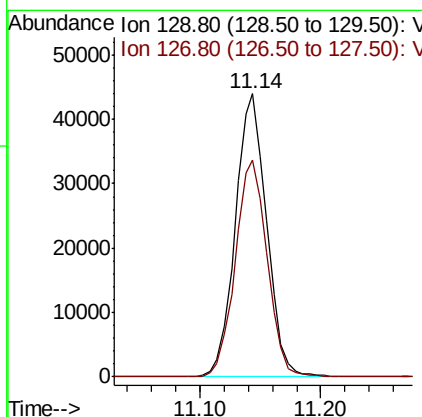
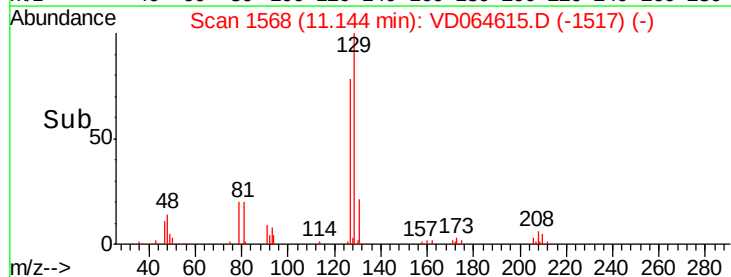
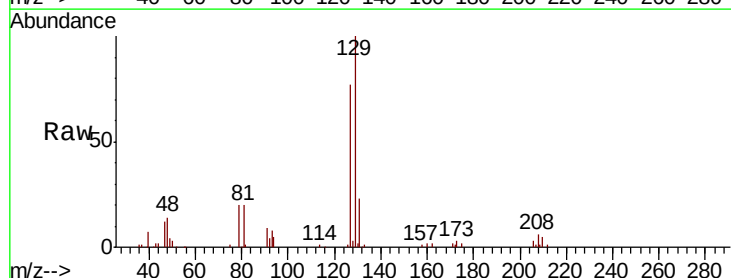
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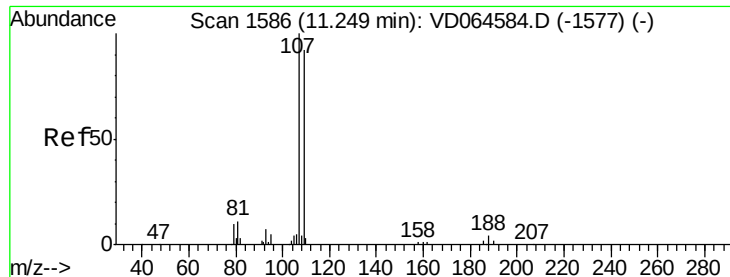
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#60
Dibromochloromethane
Concen: 21.836 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion: 129 Resp: 79198
Ion Ratio Lower Upper
129 100
127 77.9 38.4 115.2





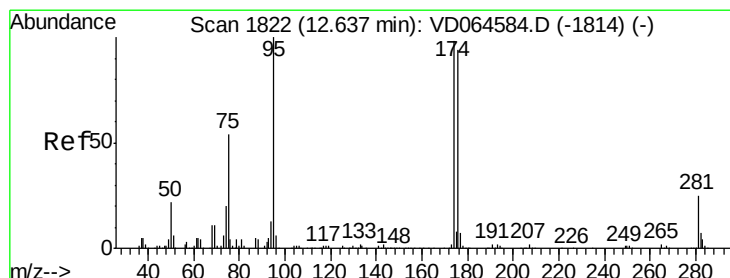
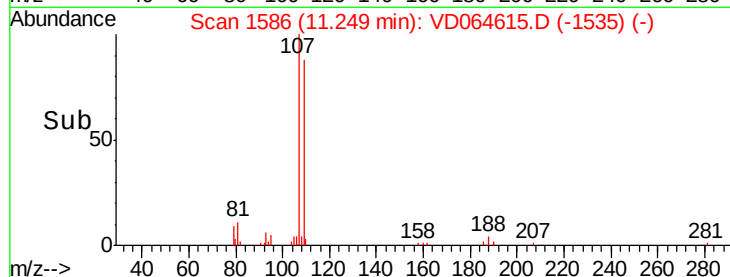
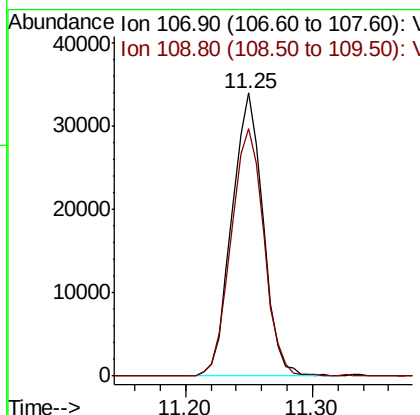
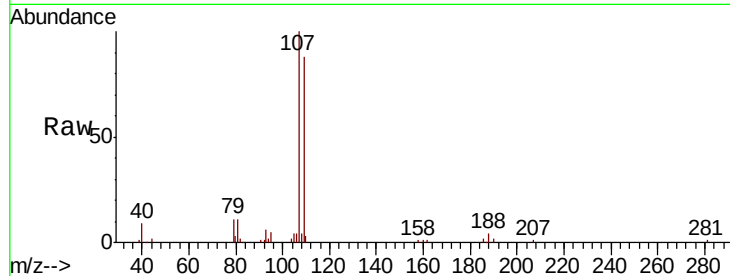
#61
 1,2-Dibromoethane
 Concen: 22.361 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS02

Tot Ion: 107 Resp: 57846
 Ion Ratio Lower Upper
 107 100
 109 92.1 75.6 113.4

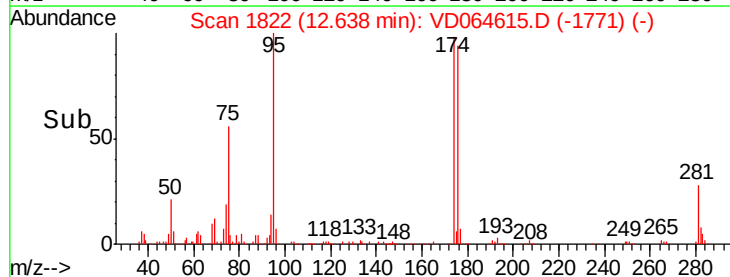
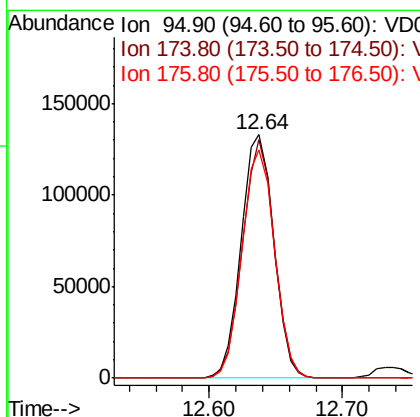
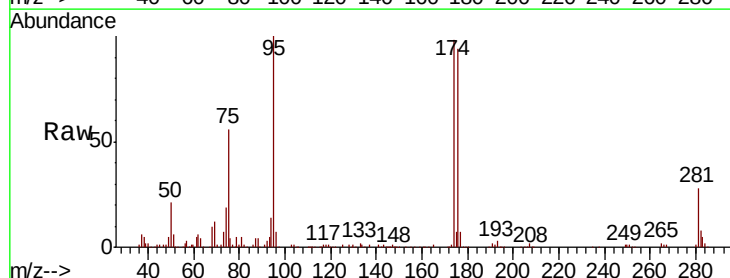
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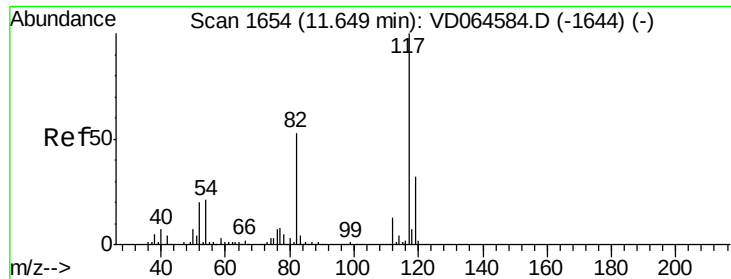
apatel
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#62
 4-Bromofluorobenzene
 Concen: 54.296 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Tgt Ion: 95 Resp: 224466
 Ion Ratio Lower Upper
 95 100
 174 95.2 0.0 193.2
 176 93.5 0.0 184.2





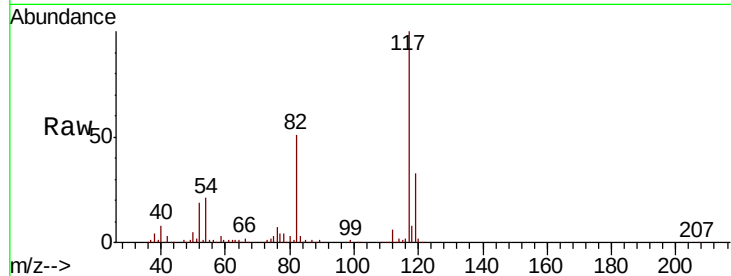
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	506199		
82	50.7		42.2	63.4
119	33.0		26.0	39.0

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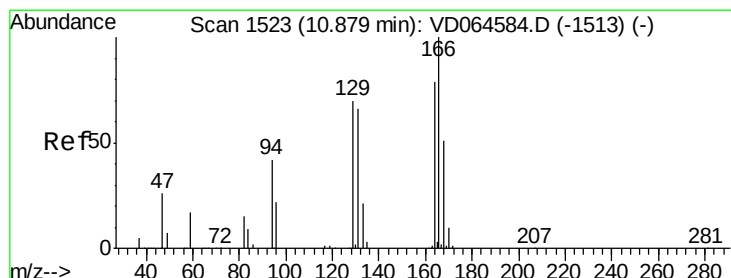
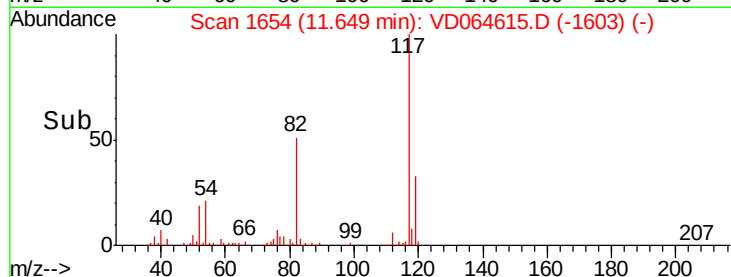
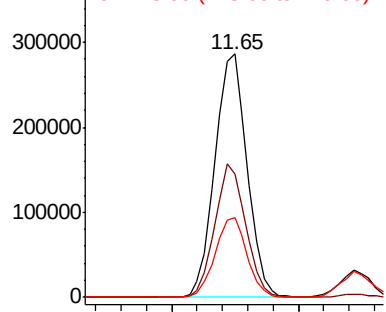


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.432 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	79346		
166	127.7		101.3	151.9
129	87.9		70.5	105.7
131	78.9		66.6	99.8

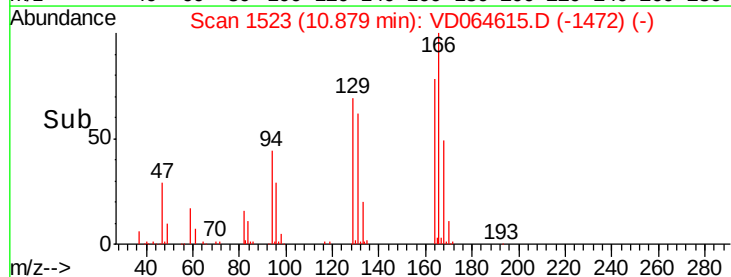
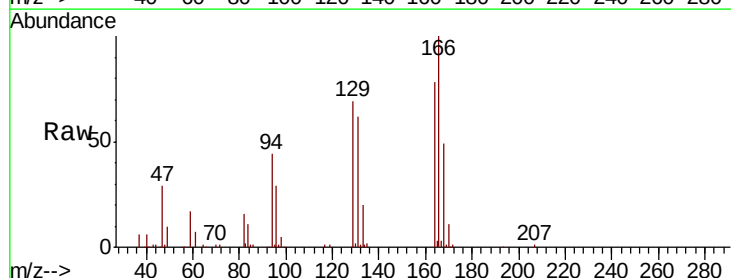
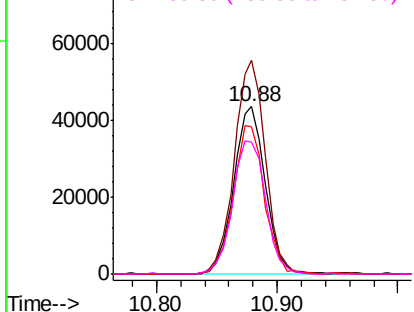
Abundance

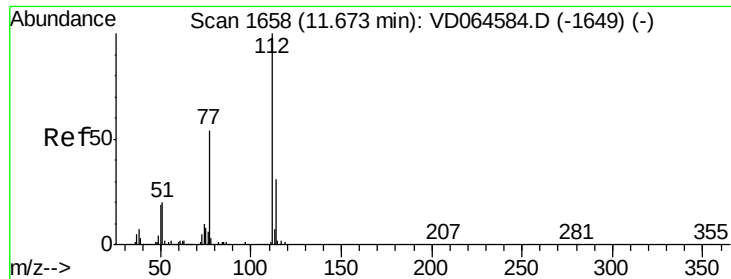
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





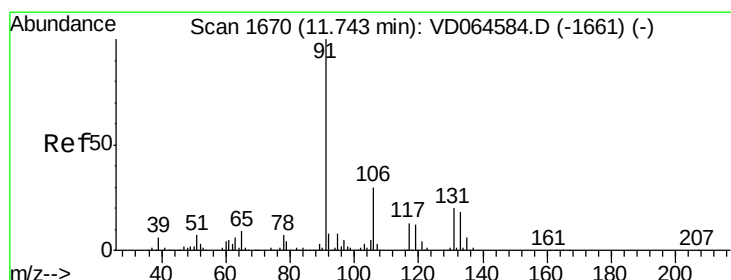
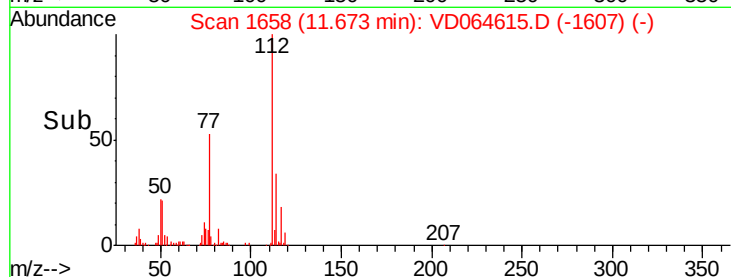
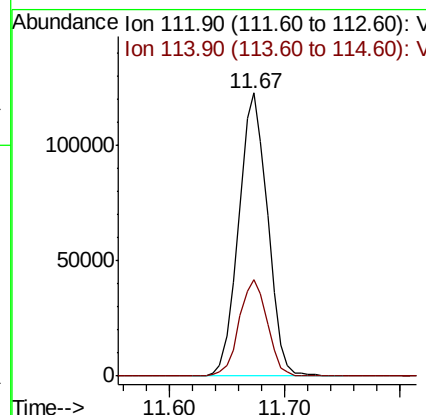
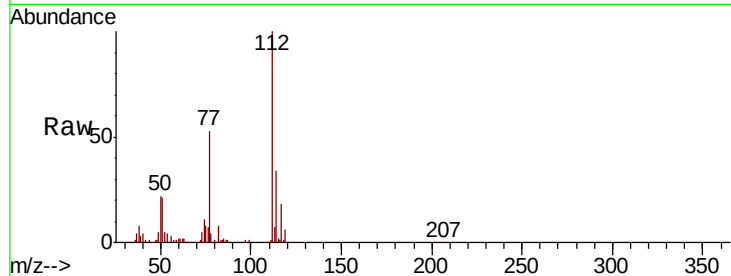
#65
Chlorobenzene
Concen: 20.233 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.0	24.8	37.2

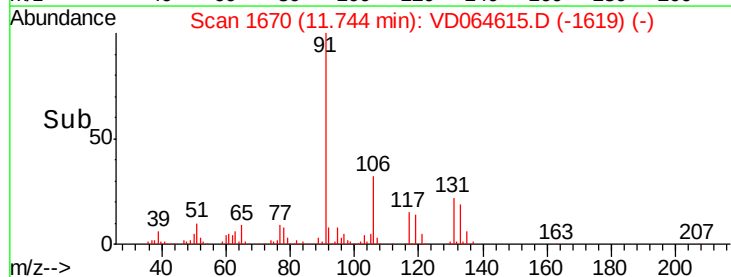
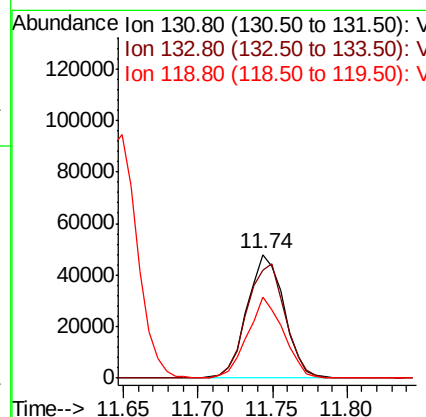
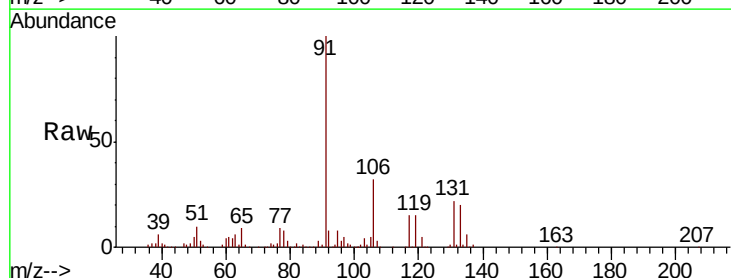
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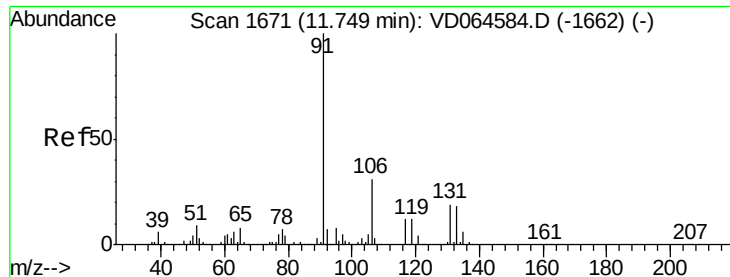
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.812 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.3	144.8
119	63.6	32.1	96.3





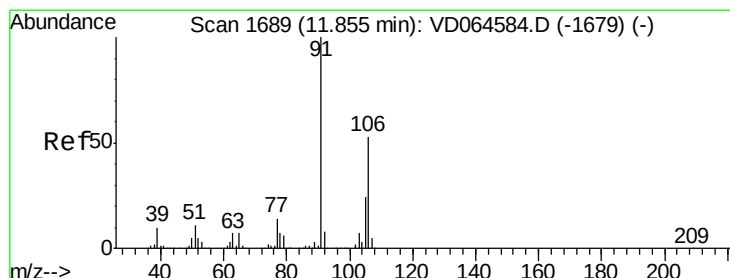
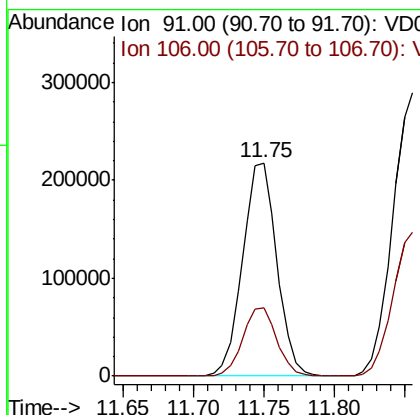
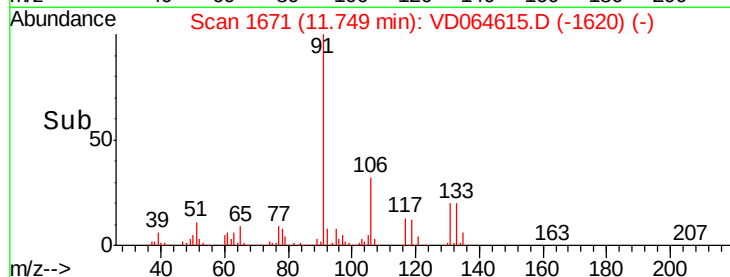
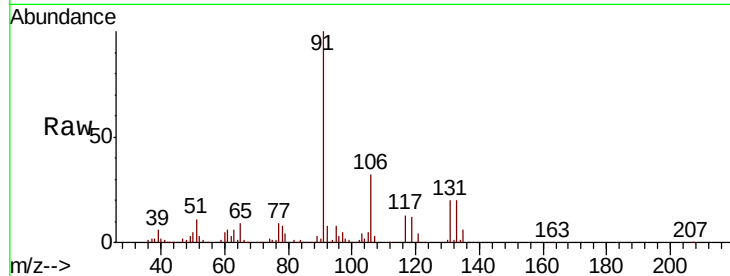
#67
Ethyl Benzene
Concen: 19.409 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS02

Tot Ion: 91 Resp: 370114
Ion Ratio Lower Upper
91 100
106 32.1 24.6 36.8

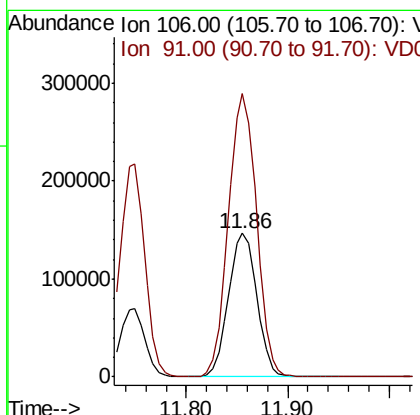
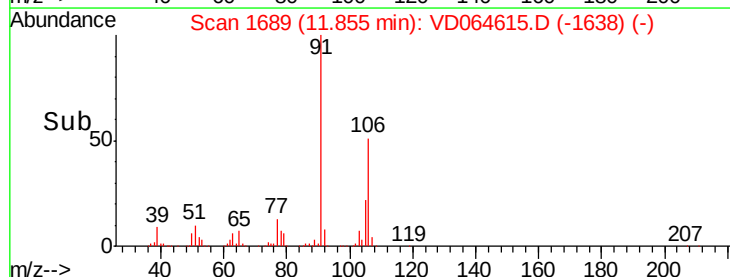
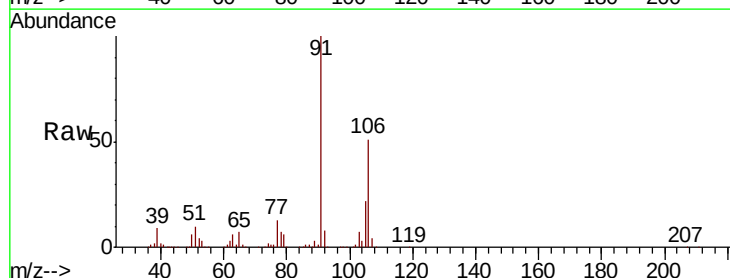
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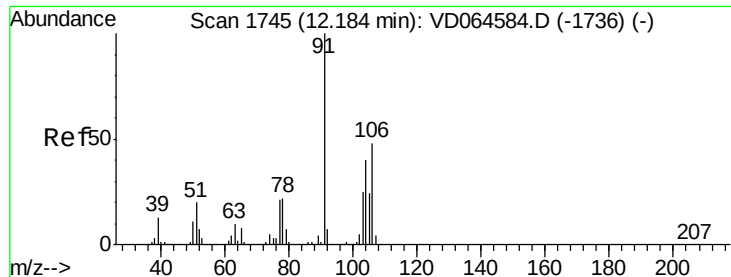
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#68
m/p-Xylenes
Concen: 38.668 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion: 106 Resp: 284609
Ion Ratio Lower Upper
106 100
91 196.1 156.3 234.5





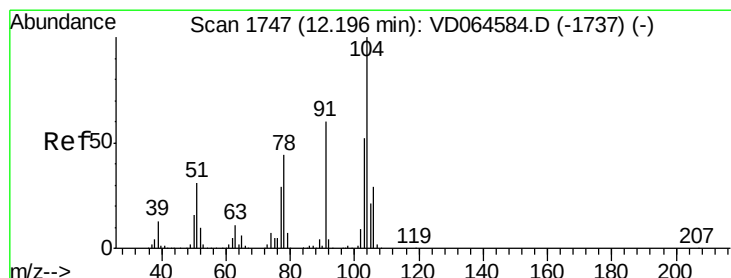
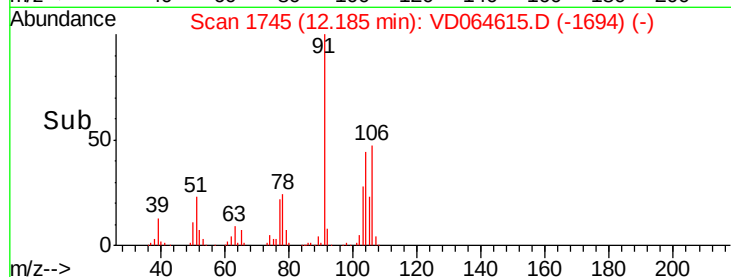
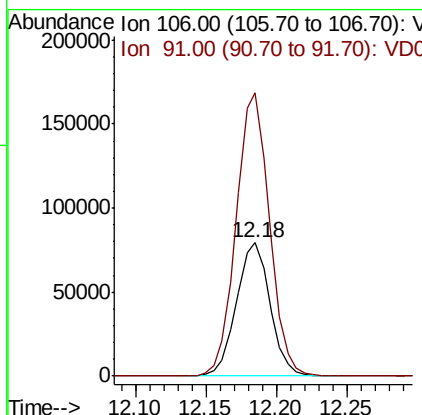
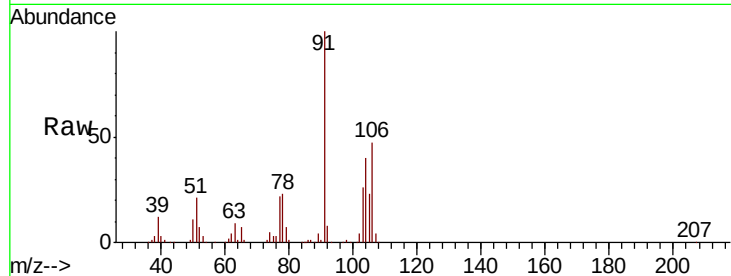
#69
o-Xylene
Concen: 19.889 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.1	104.8	314.4

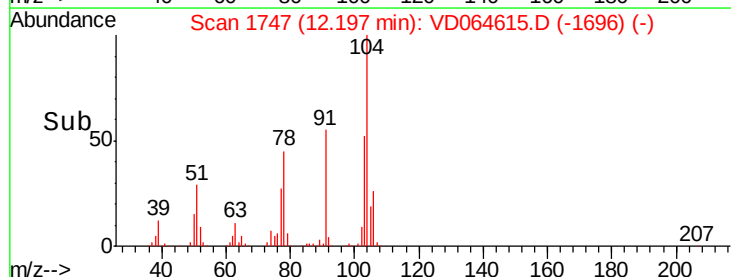
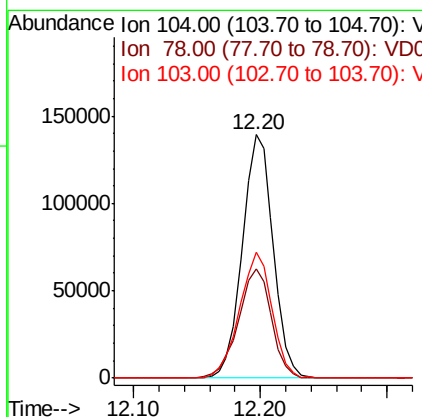
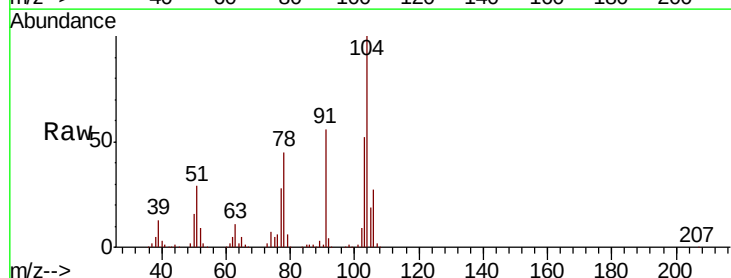
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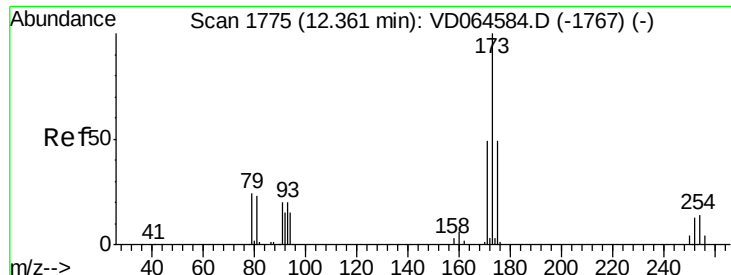
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#70
Styrene
Concen: 20.113 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.0	38.2	57.2
103	54.6	44.6	67.0





#71

Bromoform

Concen: 21.336 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS02

Tot Ion:173 Resp: 48190

Ion Ratio Lower Upper

173 100

175 46.1 24.6 73.8

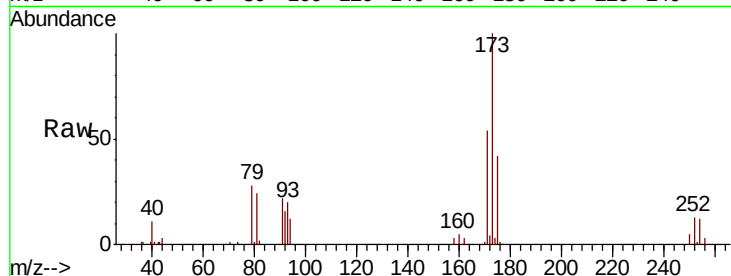
254 0.0 0.1 0.1#

Manual Integrations

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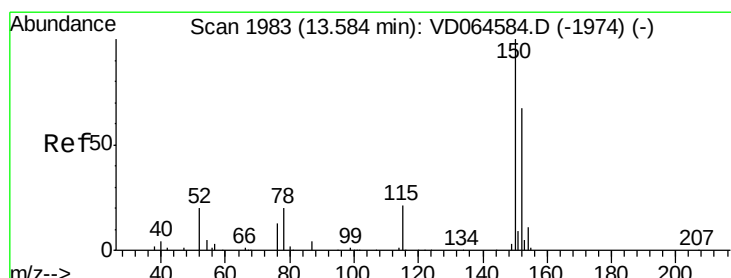
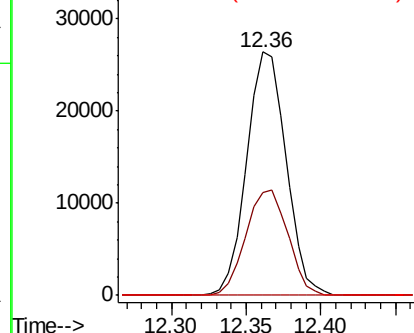
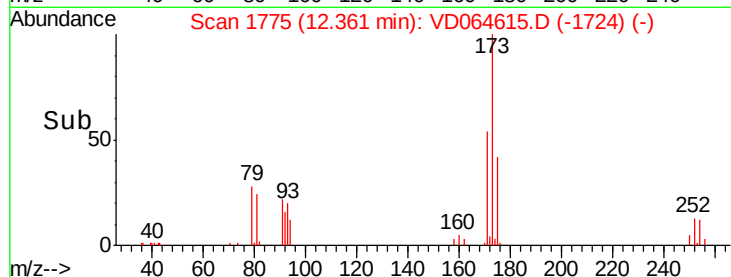
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

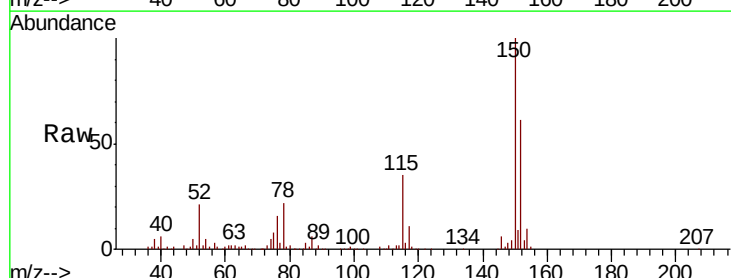
Tgt Ion:152 Resp: 244741

Ion Ratio Lower Upper

152 100

115 54.8 27.8 83.4

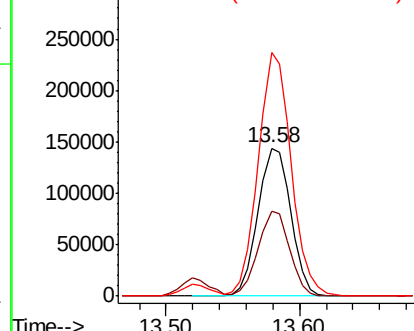
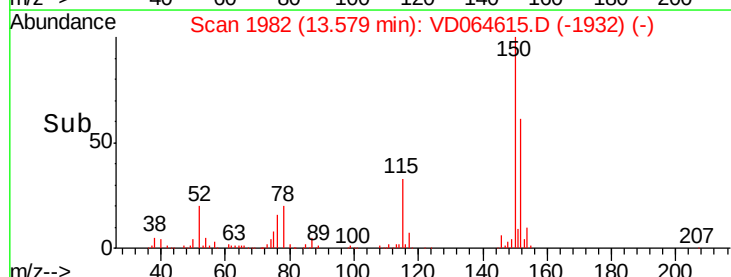
150 165.1 0.0 351.4

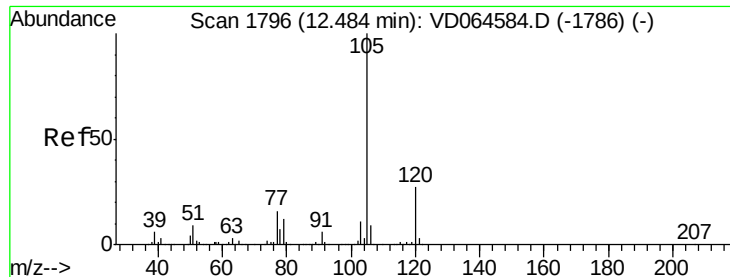


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.866 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS02

Tot Ion:105 Resp: 347446

Ion Ratio Lower Upper

105 100

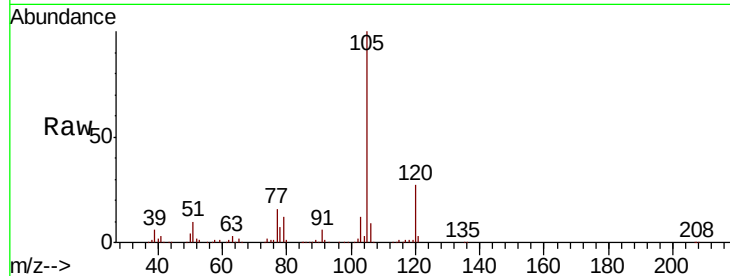
120 26.7 13.5 40.5

Manual Integrations

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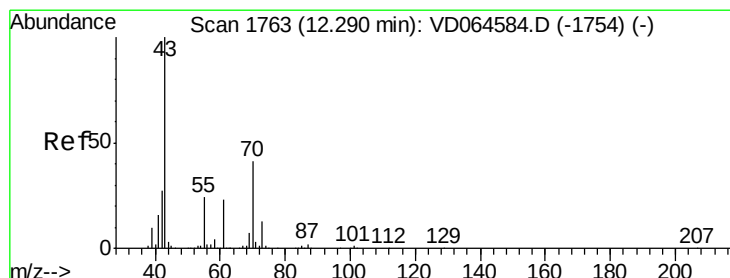
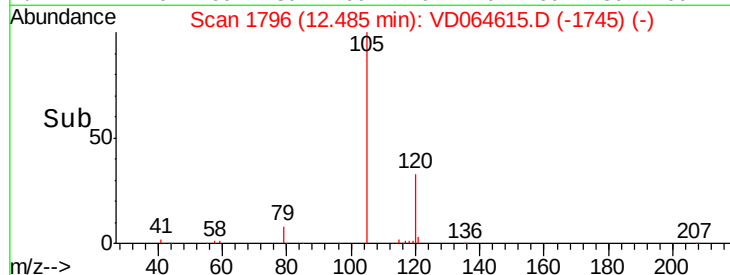
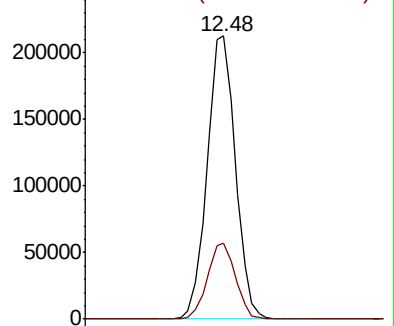
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.567 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Tgt Ion: 43 Resp: 80631

Ion Ratio Lower Upper

43 100

70 42.5 33.4 50.0

55 24.6 19.4 29.0

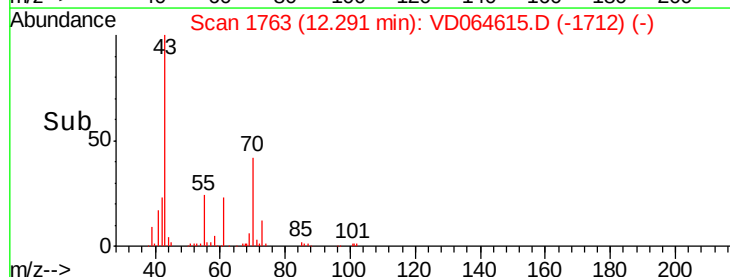
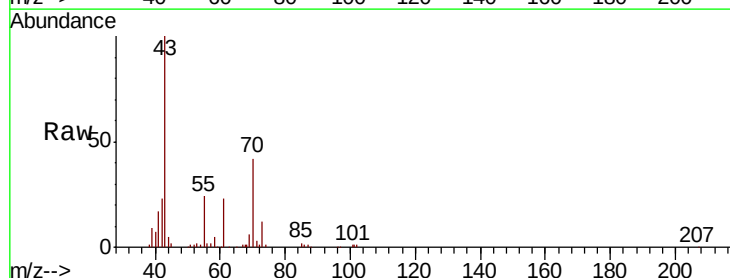
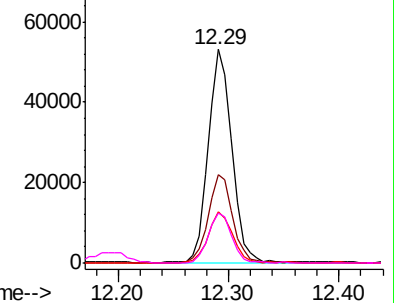
61 22.8 18.3 27.5

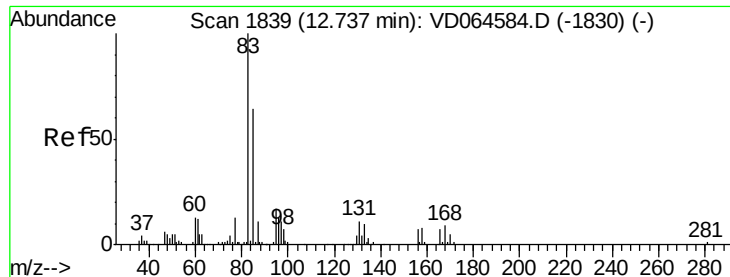
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.717 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

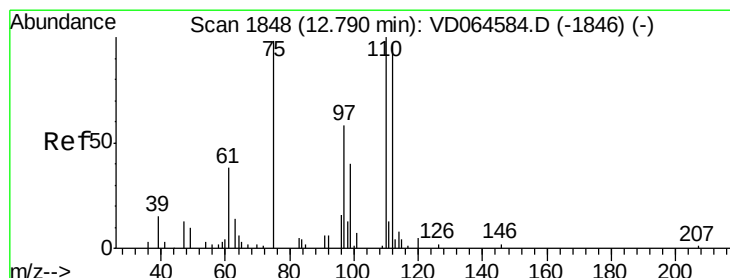
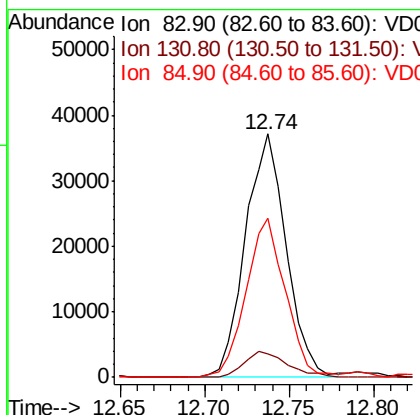
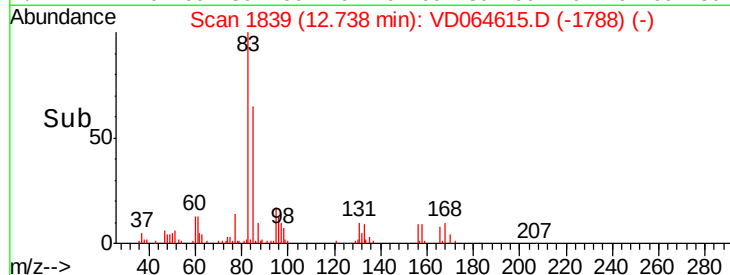
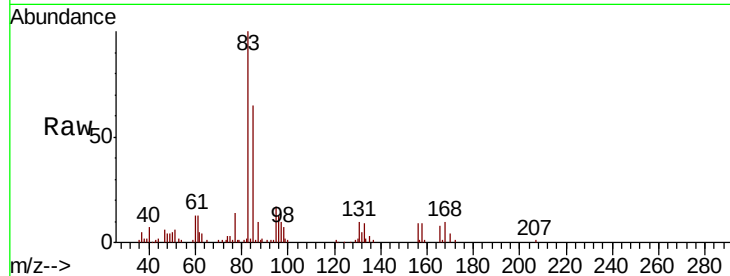
ClientSampleId :

VD1226SBS02

Tot Ion:	83	Resp:	62414
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.8	17.4
85	63.2	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 22.926 ug/l m

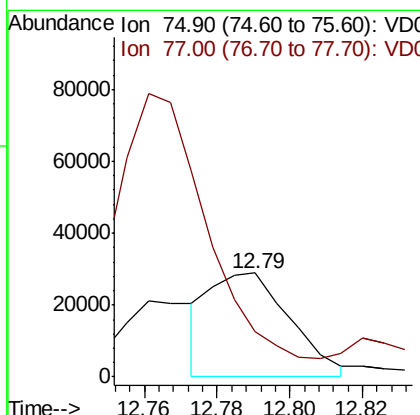
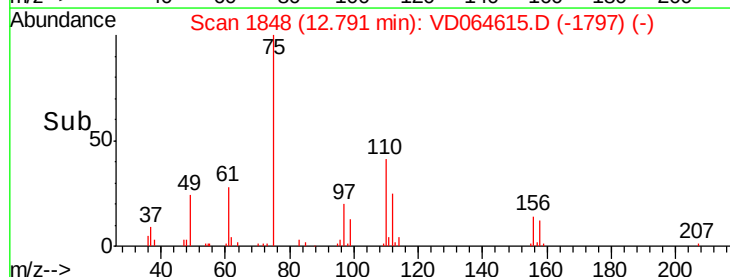
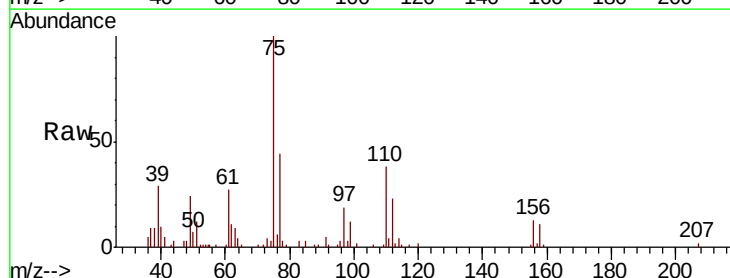
RT: 12.79 min Scan# 1848

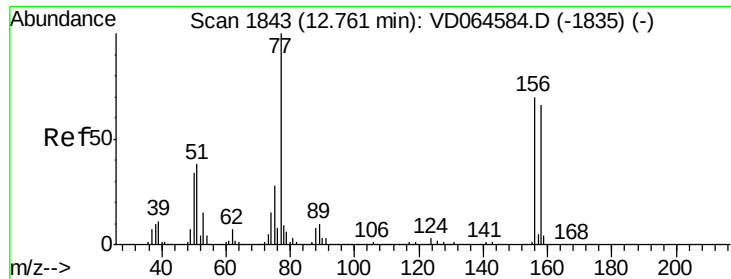
Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Tgt Ion:	75	Resp:	44308
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.218 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

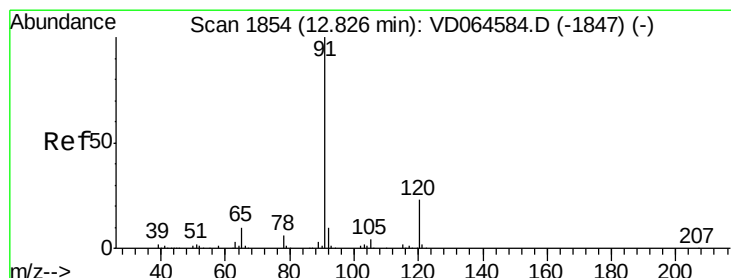
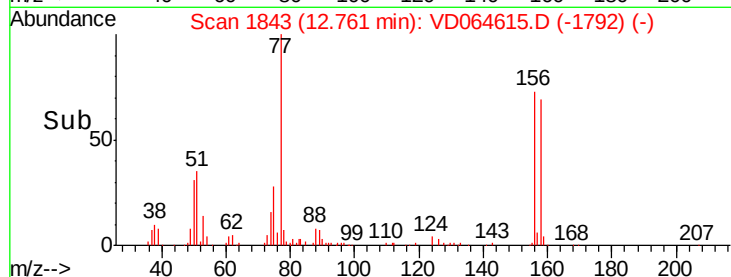
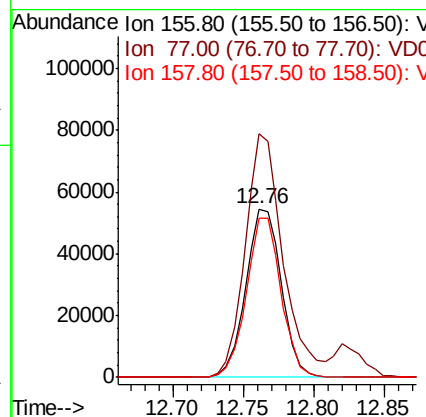
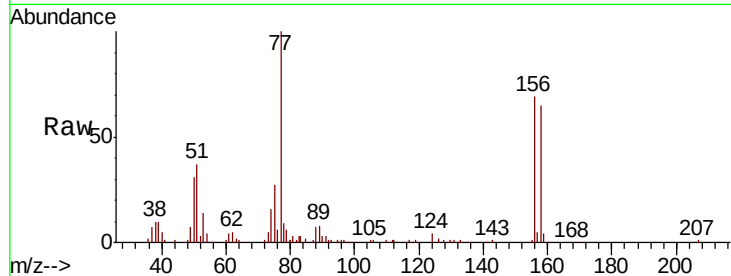
ClientSampleId :

VD1226SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	155.2	80.9	242.7
158	92.8	48.0	144.2

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#78

n-propylbenzene

Concen: 20.071 ug/l

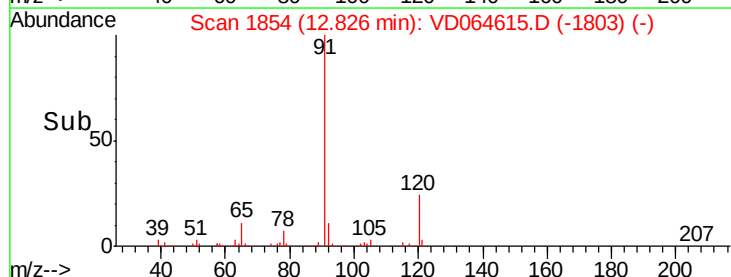
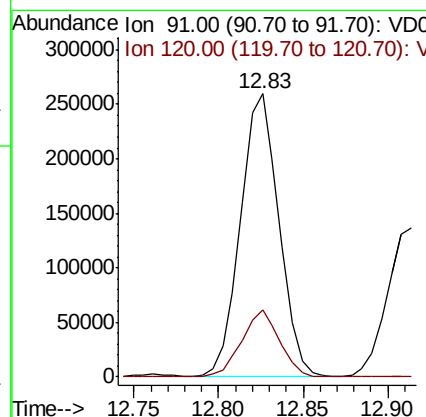
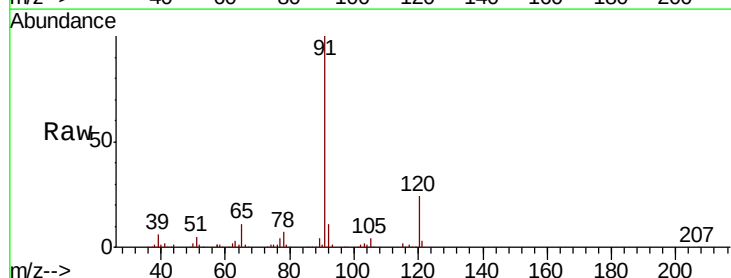
RT: 12.83 min Scan# 1854

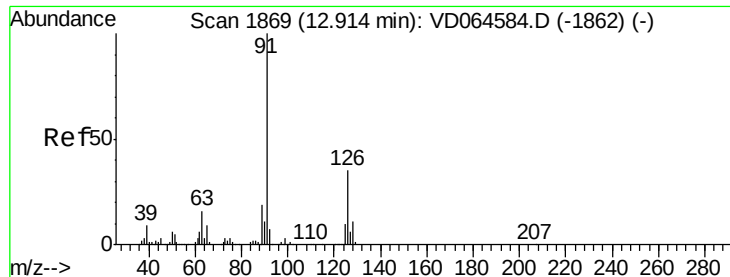
Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.9	35.9





#79

2-Chlorotoluene

Concen: 20.710 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS02

Tot Ion: 91 Resp: 232136

Ion Ratio Lower Upper

91 100

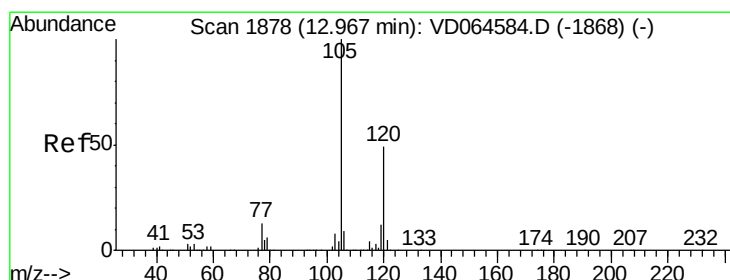
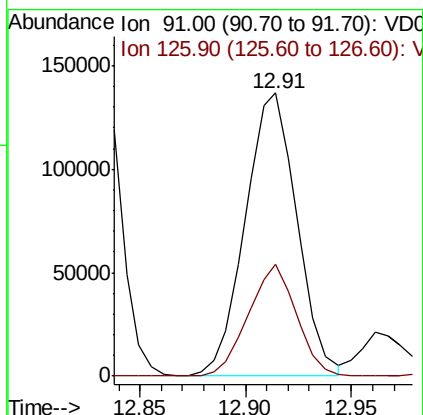
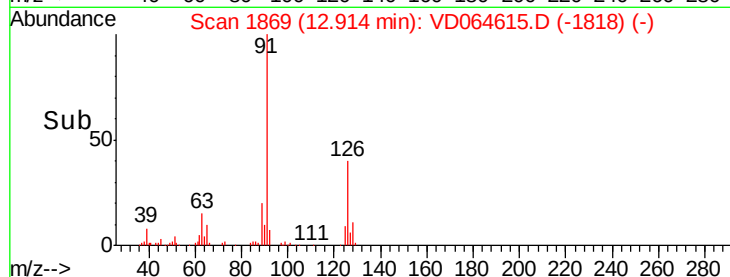
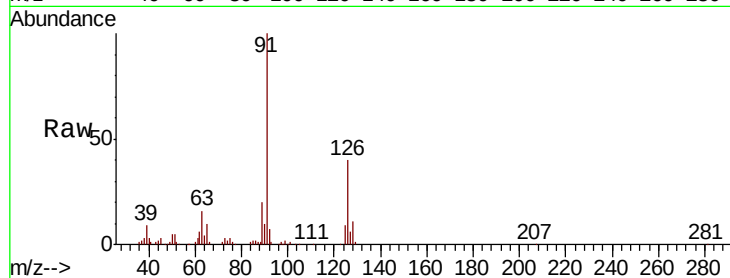
126 36.9 17.8 53.5

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#80

1,3,5-Trimethylbenzene

Concen: 20.108 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064615.D

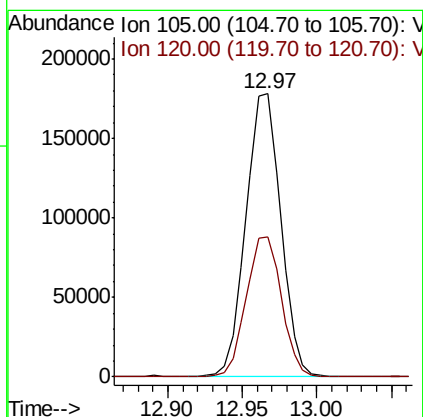
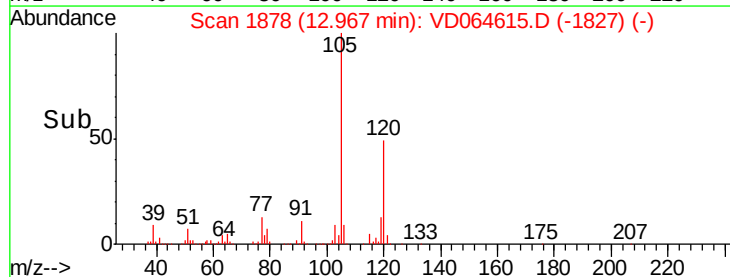
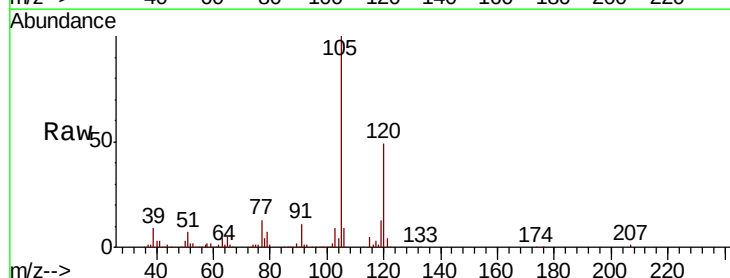
Acq: 27 Dec 2019 00:09

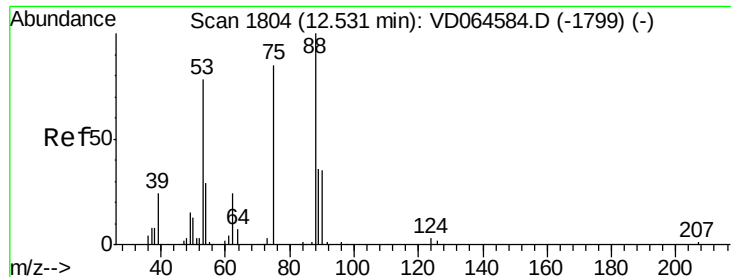
Tgt Ion: 105 Resp: 288898

Ion Ratio Lower Upper

105 100

120 49.7 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.029 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS02

Tot Ion: 75 Resp: 18508

Ion Ratio Lower Upper

75 100

53 107.5 78.8 118.2

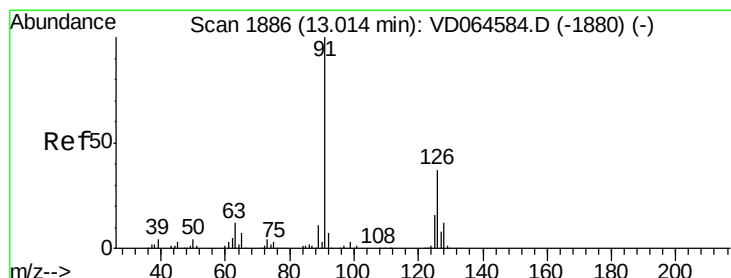
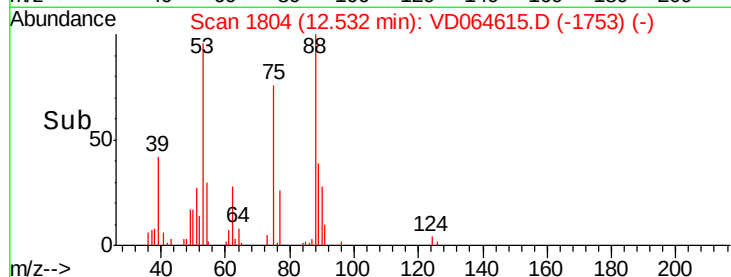
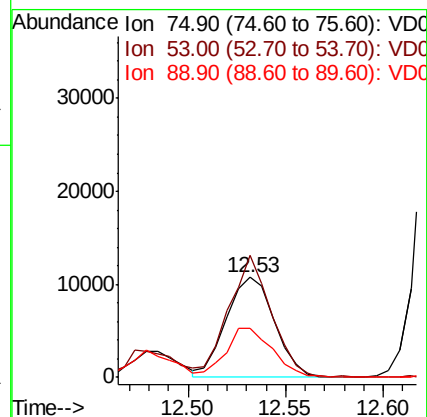
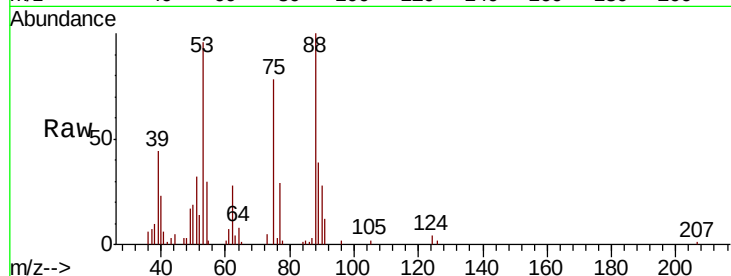
89 47.5 38.3 57.5

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#82

4-Chlorotoluene

Concen: 20.644 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064615.D

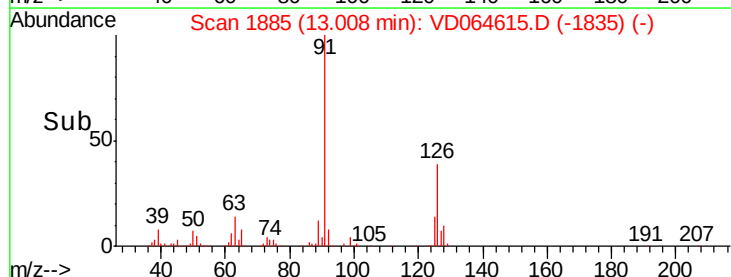
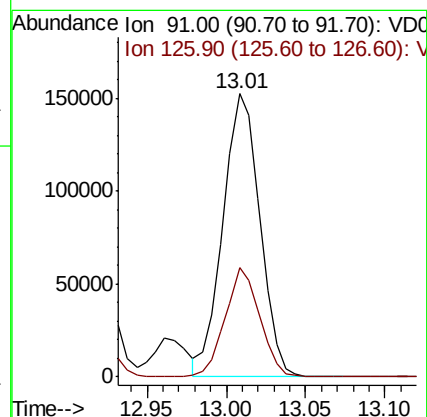
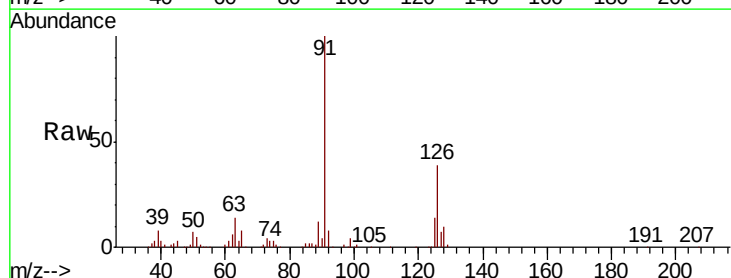
Acq: 27 Dec 2019 00:09

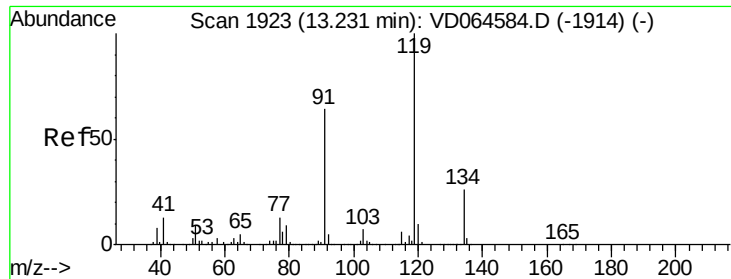
Tgt Ion: 91 Resp: 246250

Ion Ratio Lower Upper

91 100

126 36.1 17.8 53.5





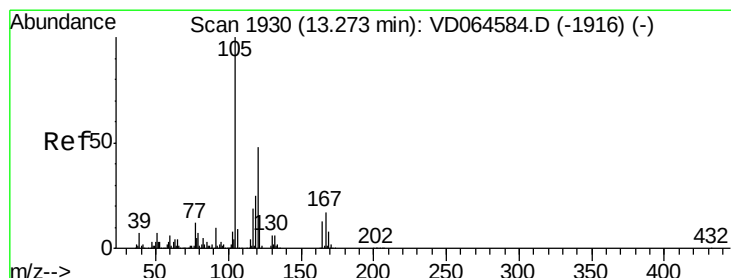
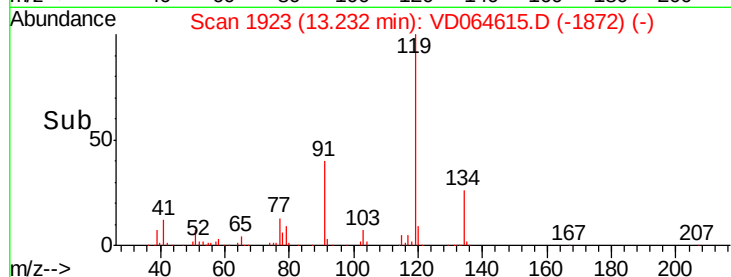
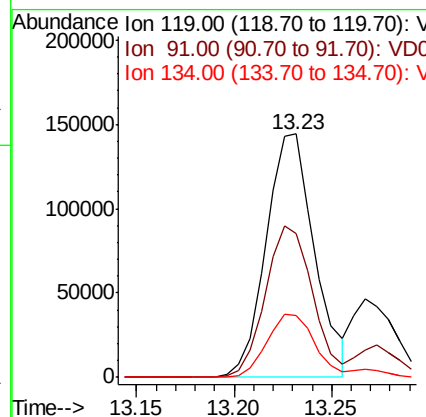
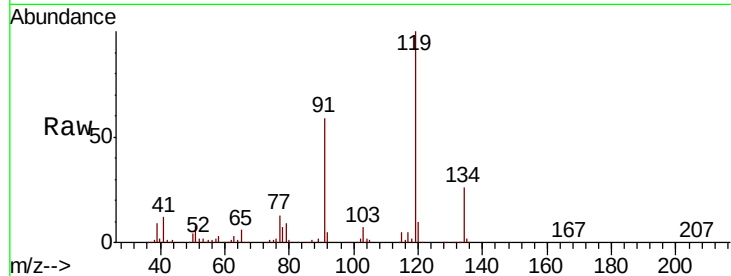
#83
tert-Butylbenzene
Concen: 19.918 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	248455		
91	60.6		30.8	92.4
134	27.8		12.8	38.3

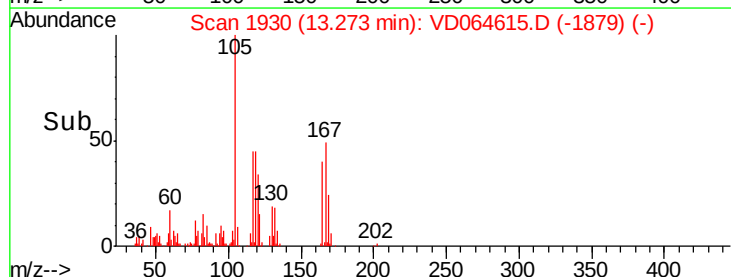
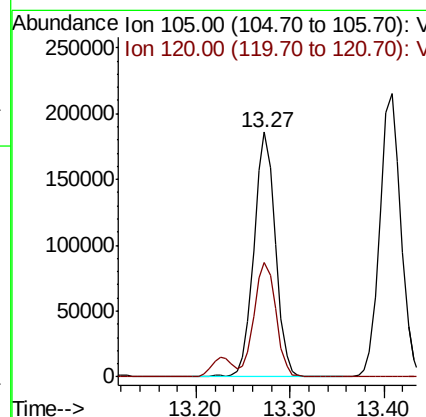
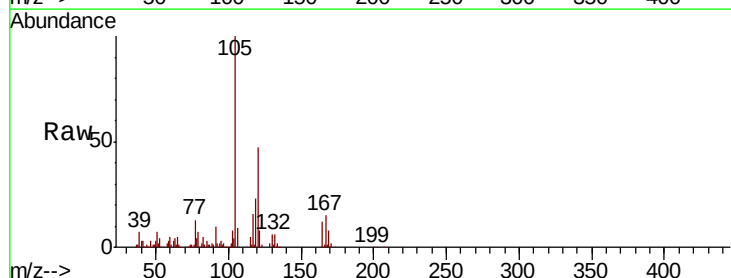
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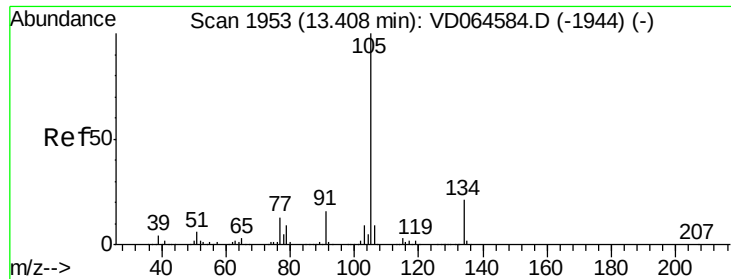
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#84
1,2,4-Trimethylbenzene
Concen: 20.524 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	293675		
120	47.7		23.8	71.2





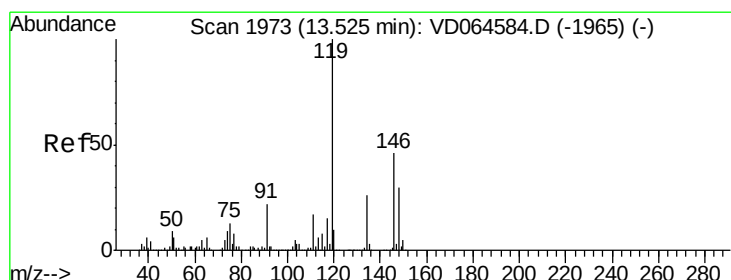
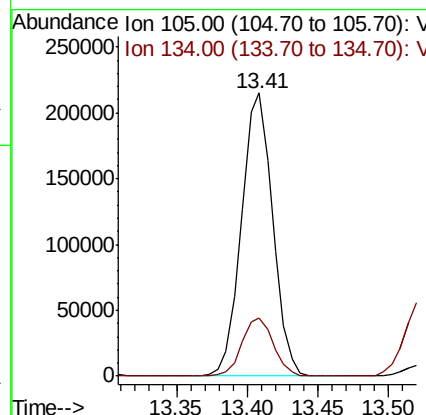
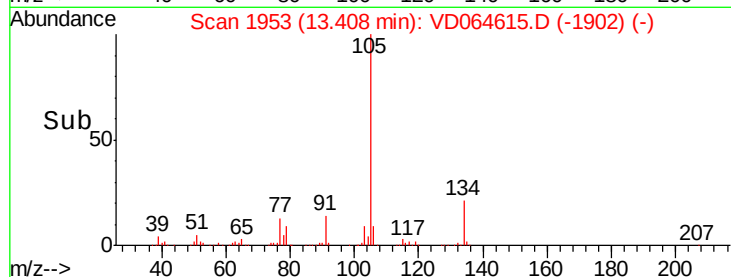
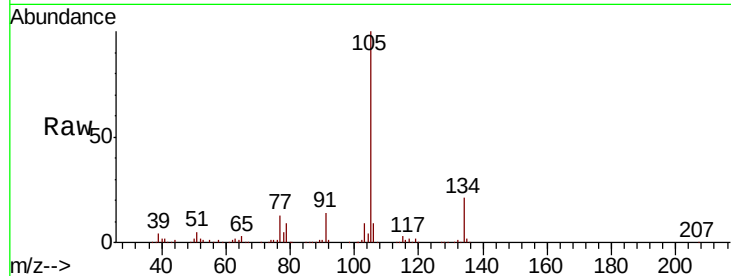
#85
 sec-Butylbenzene
 Concen: 19.432 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1226SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.6	31.8

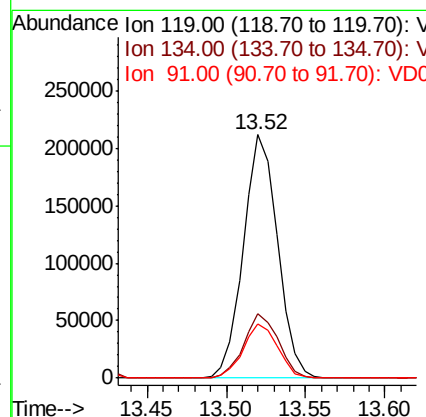
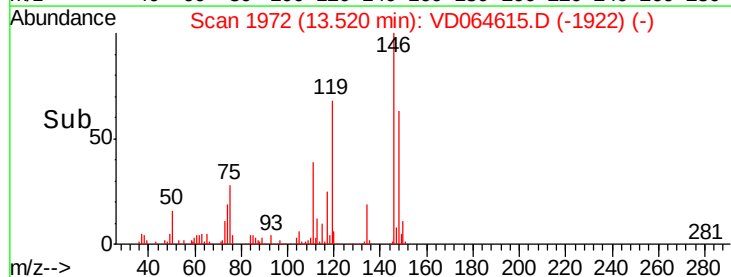
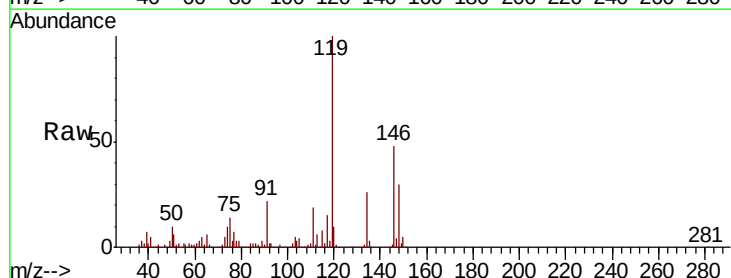
Manual Integrations
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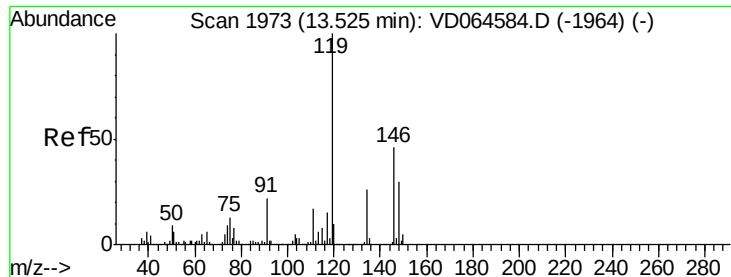
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#86
 p-Isopropyltoluene
 Concen: 19.460 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.4	40.1
91	22.7	11.2	33.6





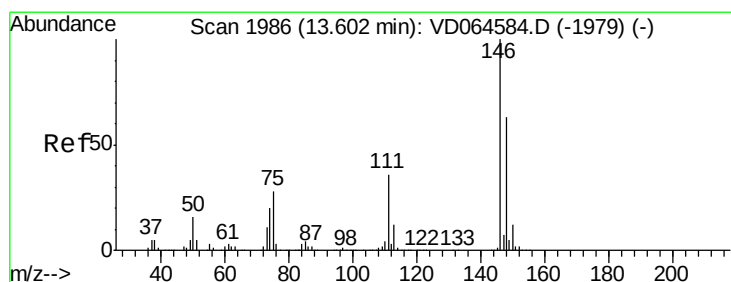
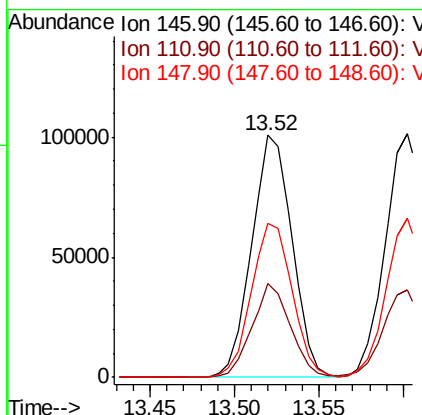
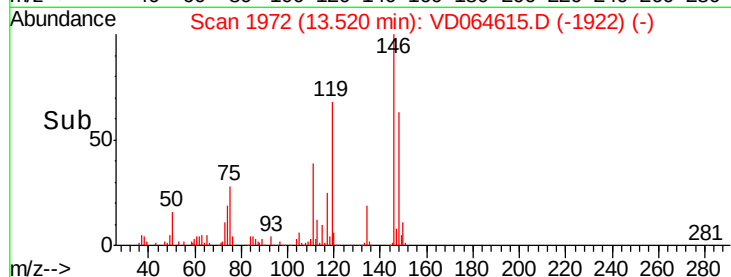
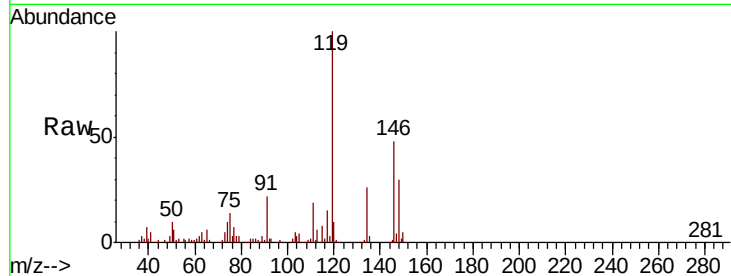
#87
 1,3-Dichlorobenzene
 Concen: 20.380 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.8	56.4
148	64.3	32.5	97.5

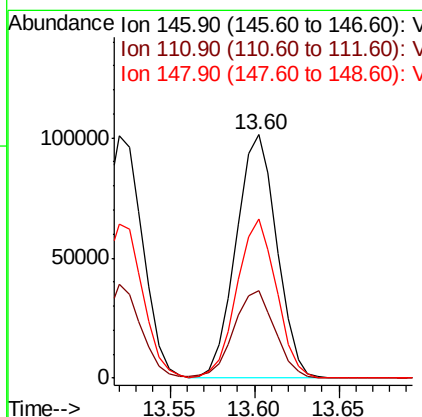
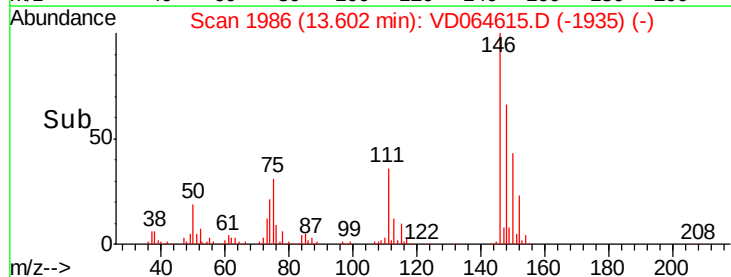
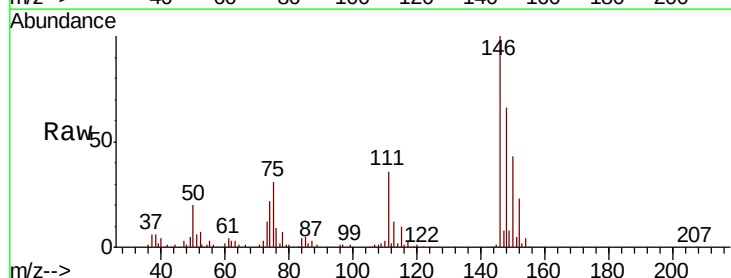
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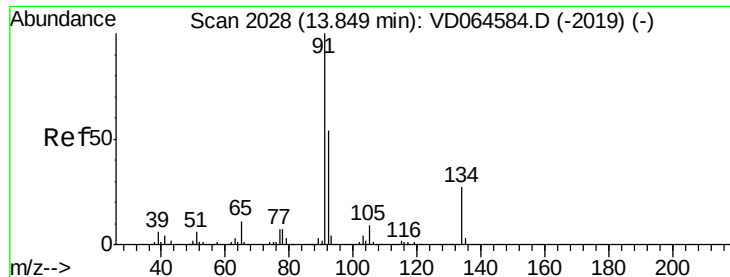
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#88
 1,4-Dichlorobenzene
 Concen: 21.161 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.1	54.1
148	63.4	32.3	96.9





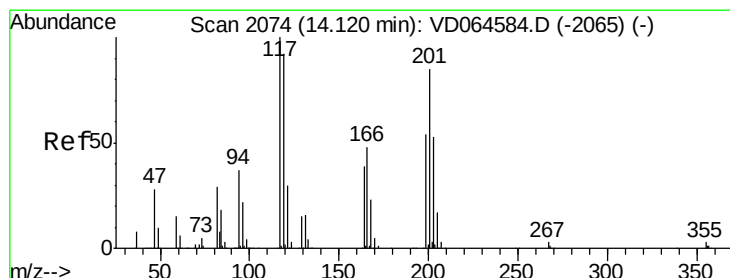
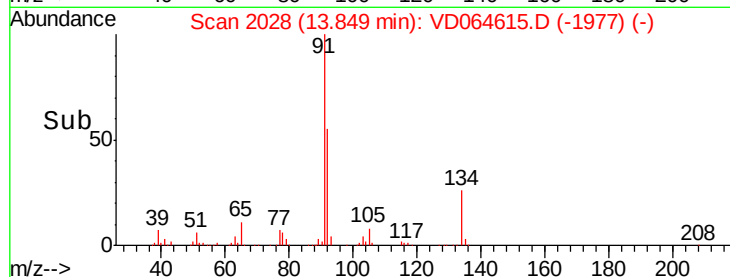
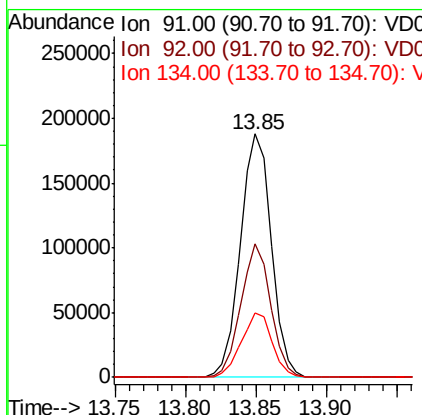
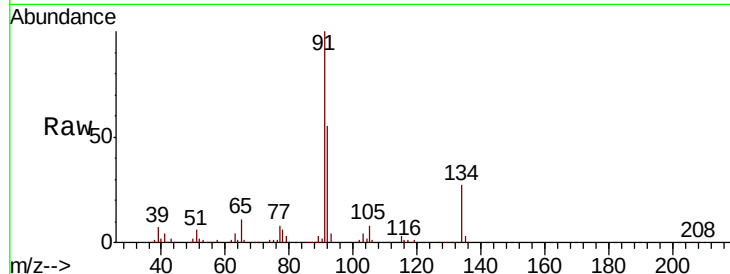
#89
n-Butylbenzene
Concen: 19.568 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.9	26.8	80.4	
134	26.5	14.0	41.9	

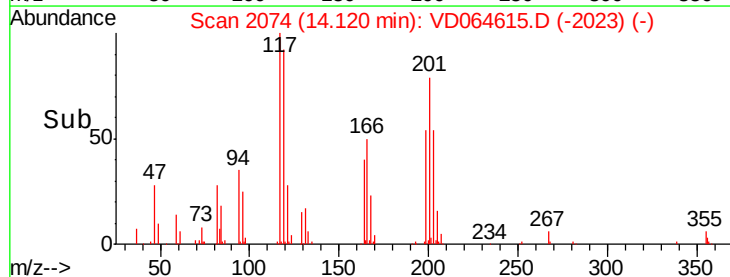
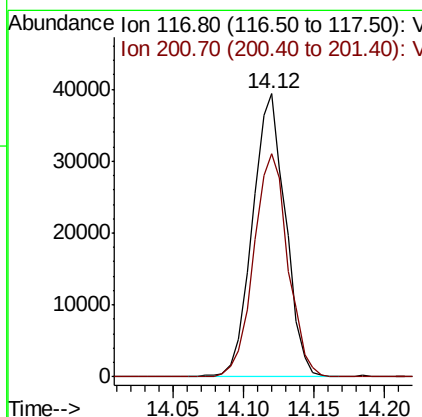
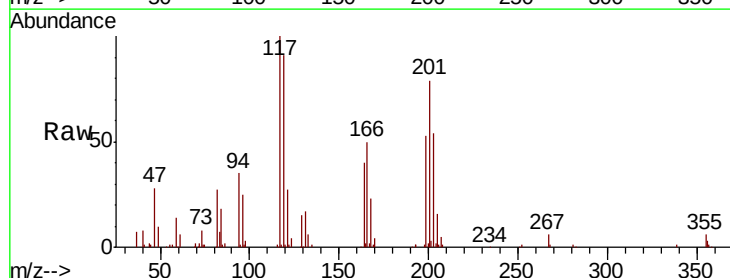
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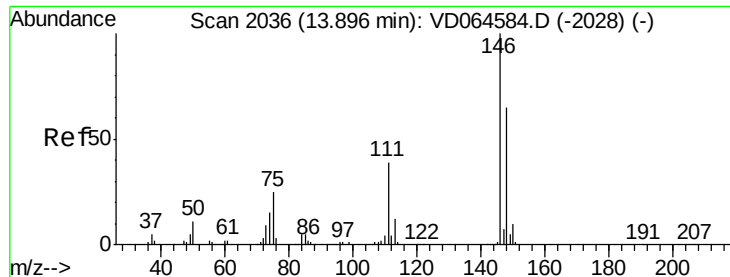
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#90
Hexachloroethane
Concen: 20.731 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	81.5	44.0	131.8	





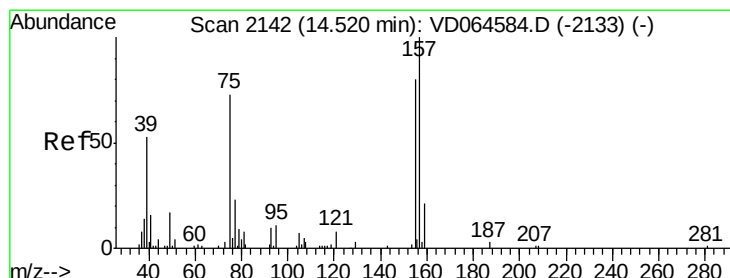
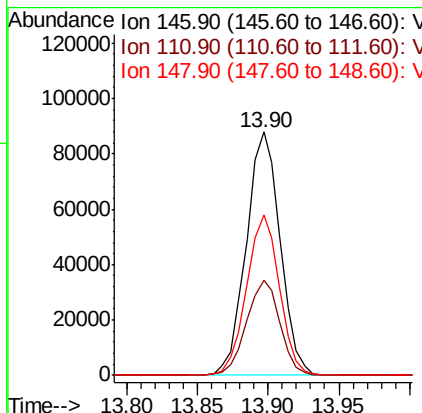
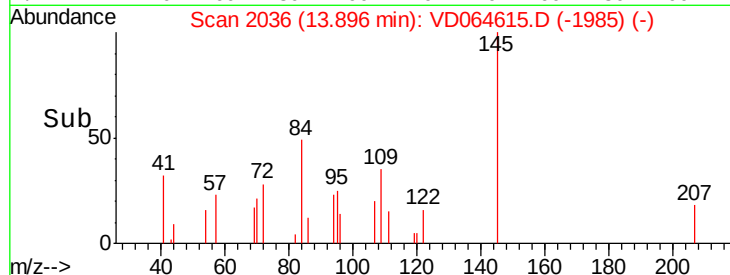
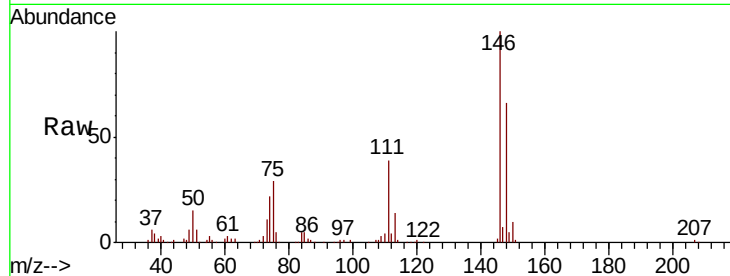
#91
 1,2-Dichlorobenzene
 Concen: 21.224 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.3	57.9
148	63.9	31.9	95.5

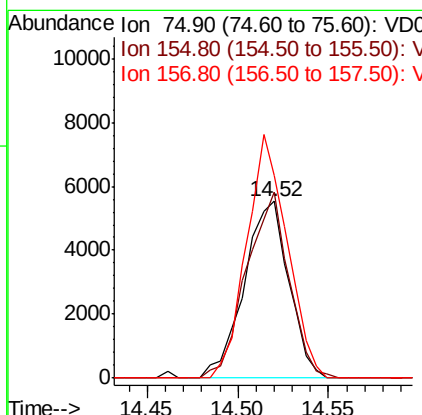
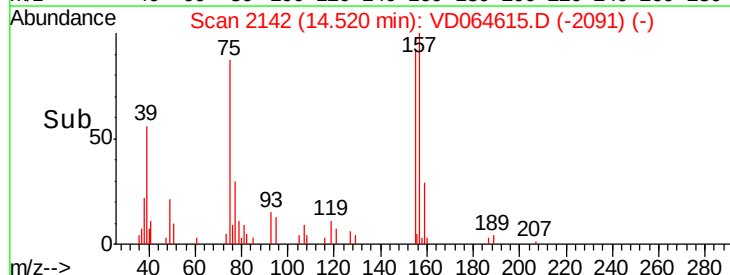
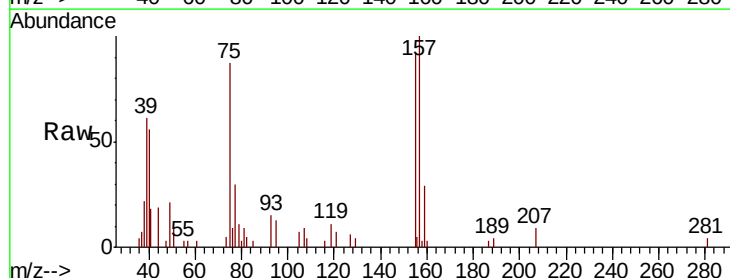
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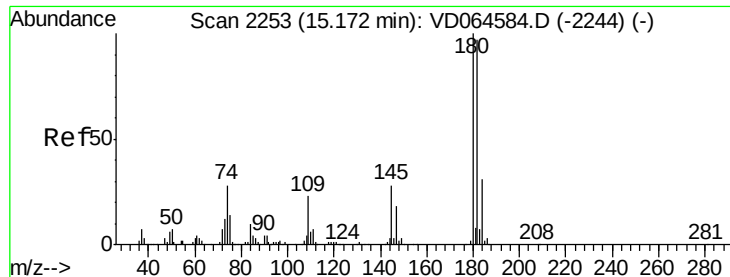
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.260 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064615.D
 Acq: 27 Dec 2019 00:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.4	48.0	144.0
157	124.9	64.1	192.3





#93

1,2,4-Trichlorobenzene

Concen: 20.605 ug/l

RT: 15.17 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Instrument :

MSVOA_D

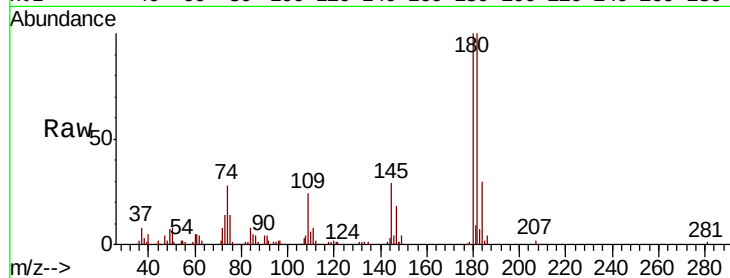
ClientSampleId :

VD1226SBS02

Tot Ion:	180	Resp:	105988
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.0	144.2
145	28.4	13.8	41.4

Manual Integrations
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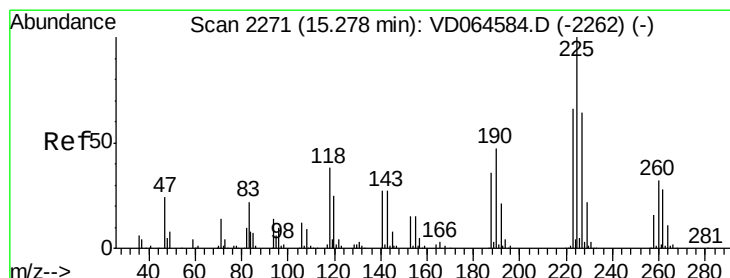
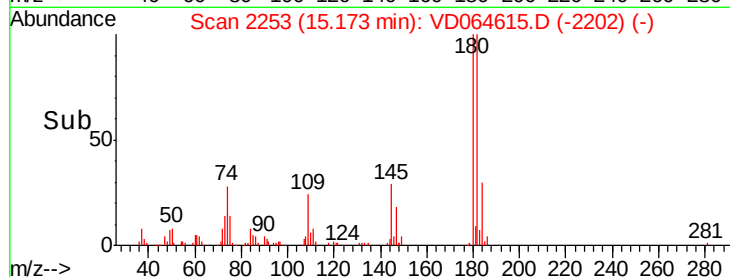
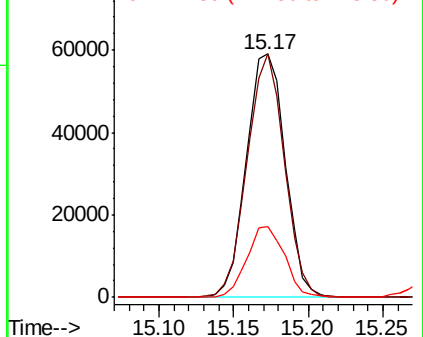


Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 19.082 ug/l

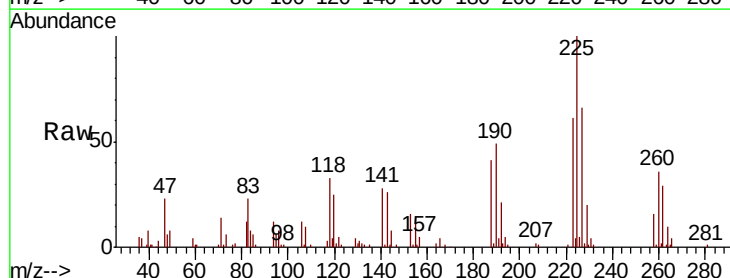
RT: 15.28 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VD064615.D

Acq: 27 Dec 2019 00:09

Tgt Ion:	225	Resp:	61764
Ion Ratio	Lower	Upper	
225	100		
223	62.0	31.1	93.2
227	65.0	30.9	92.7

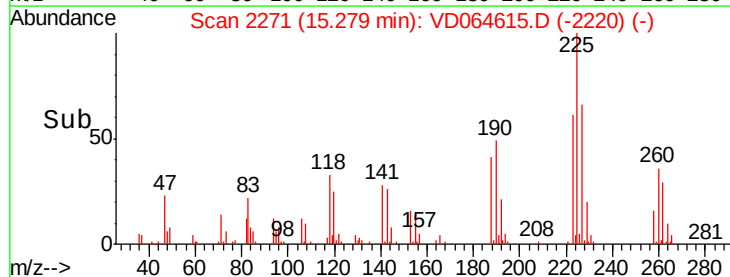
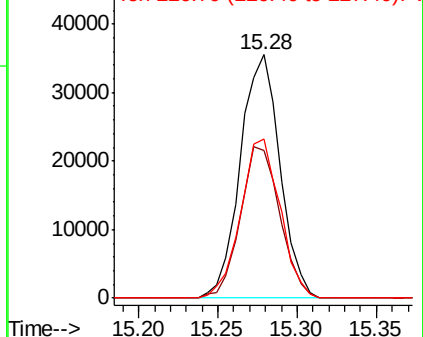


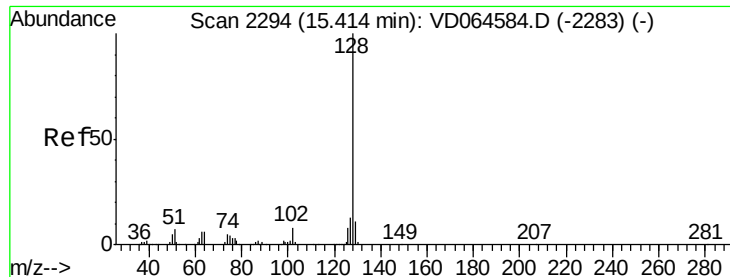
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





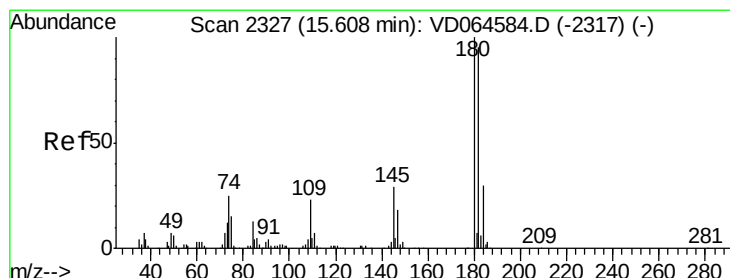
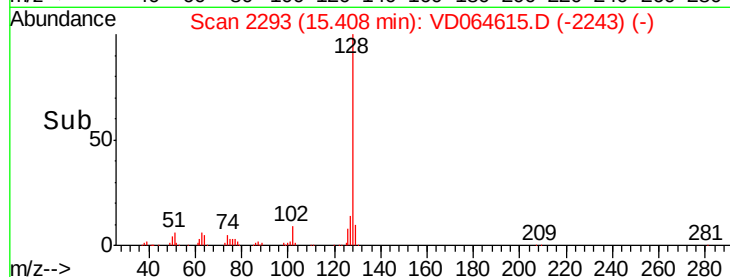
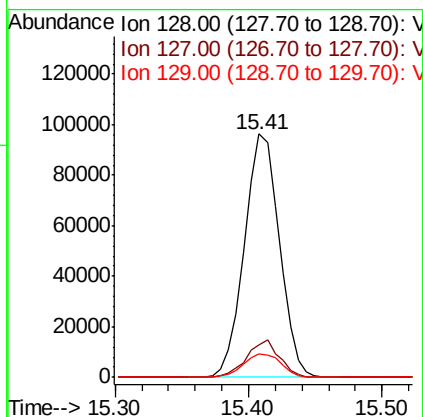
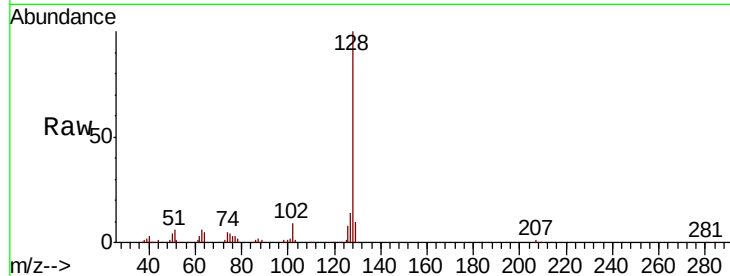
#95
Naphthalene
Concen: 21.449 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.3	15.5
129	10.4	8.5	12.7

Manual Integrations
APPROVED

apatel
12/27/2019 2:07:17 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.942 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064615.D
Acq: 27 Dec 2019 00:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.9	143.7
145	31.0	14.9	44.7

