

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121119\
 Data File : VD064496.D
 Acq On : 11 Dec 2019 12:53
 Operator : VA/SY
 Sample : VD1211SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

Manual Integrations
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 12/12/2019 10:29:06 AM

Quant Time: Dec 12 03:15:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	432996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	635583	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	569423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287379	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	207224	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
35) Dibromofluoromethane	7.92	113	213904	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	
50) Toluene-d8	10.34	98	813830	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
62) 4-Bromofluorobenzene	12.63	95	256758	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	80883	20.616	ug/l	93
3) Chloromethane	2.21	50	102184	20.650	ug/l	100
4) Vinyl Chloride	2.35	62	124946	21.868	ug/l	97
5) Bromomethane	2.76	94	86361	20.439	ug/l	91
6) Chloroethane	2.92	64	83351	21.826	ug/l	98
7) Trichlorofluoromethane	3.27	101	206982	21.792	ug/l	97
8) Diethyl Ether	3.71	74	40374	20.456	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	88299	21.681	ug/l	97
10) Methyl Iodide	4.29	142	93610	21.766	ug/l	98
11) Tert butyl alcohol	5.25	59	23869	95.675	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	83231	21.326	ug/l	96
13) Acrolein	3.92	56	27829	81.781	ug/l	91
14) Allyl chloride	4.71	41	124960	20.516	ug/l	98
15) Acrylonitrile	5.43	53	85611	99.190	ug/l	98
16) Acetone	4.17	43	75769	95.668	ug/l	90
17) Carbon Disulfide	4.40	76	258194	20.888	ug/l	98
18) Methyl Acetate	4.73	43	46579	20.162	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	182252	20.358	ug/l	99
20) Methylene Chloride	4.97	84	100405	22.505	ug/l	85
21) trans-1,2-Dichloroethene	5.47	96	92508	20.955	ug/l	95
22) Diisopropyl ether	6.37	45	249736	20.770	ug/l	98
23) Vinyl Acetate	6.31	43	715209	100.896	ug/l	99
24) 1,1-Dichloroethane	6.27	63	154955	21.429	ug/l	97
25) 2-Butanone	7.22	43	108797	97.135	ug/l	100
26) 2,2-Dichloropropane	7.21	77	135750	21.587	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	103783	21.563	ug/l	97
28) Bromochloromethane	7.55	49	39954	16.168	ug/l	100
29) Tetrahydrofuran	7.57	42	68263	95.794	ug/l	98
30) Chloroform	7.71	83	160451	21.425	ug/l	97
31) Cyclohexane	7.98	56	147106	20.604	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	147149	21.194	ug/l	99
36) 1,1-Dichloropropene	8.11	75	127825	21.263	ug/l	99
37) Ethyl Acetate	7.31	43	49181	19.280	ug/l	96
38) Carbon Tetrachloride	8.10	117	138849	21.883	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	153640	20.603	ug/l	96
40) Benzene	8.35	78	351492	21.051	ug/l	97
41) Methacrylonitrile	7.53	41	29934	20.462	ug/l	91
42) 1,2-Dichloroethane	8.43	62	101088	20.760	ug/l	99
43) Isopropyl Acetate	8.46	43	96824	19.305	ug/l	98
44) Trichloroethene	9.11	130	105273	20.931	ug/l	96
45) 1,2-Dichloropropane	9.38	63	86600	21.687	ug/l #	88
46) Dibromomethane	9.48	93	46984	20.847	ug/l	99
47) Bromodichloromethane	9.66	83	126285	21.807	ug/l	95
48) Methyl methacrylate	9.46	41	46143	20.105	ug/l	94
49) 1,4-Dioxane	9.47	88	10843	389.602	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	244371	98.471	ug/l	100
52) Toluene	10.40	92	232627	21.378	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	114488	20.744	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	139867	21.333	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	62725	20.325	ug/l	97
56) Ethyl methacrylate	10.66	69	78761	20.010	ug/l	99
57) 1,3-Dichloropropane	10.94	76	108574	20.668	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	167929	107.024	ug/l	100
59) 2-Hexanone	10.98	43	163512	94.955	ug/l	100
60) Dibromochloromethane	11.14	129	87560	20.926	ug/l	100
61) 1,2-Dibromoethane	11.24	107	60618	19.673	ug/l	100
64) Tetrachloroethene	10.88	164	90789	20.908	ug/l	97
65) Chlorobenzene	11.67	112	241779	20.358	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	92526	21.046	ug/l	98
67) Ethyl Benzene	11.74	91	433770	20.528	ug/l	99
68) m/p-Xylenes	11.86	106	336036	41.708	ug/l	100
69) o-Xylene	12.18	106	151570	20.370	ug/l	99
70) Styrene	12.20	104	263813	20.402	ug/l	100
71) Bromoform	12.36	173	52578	19.989	ug/l #	97
73) Isopropylbenzene	12.48	105	419854	20.314	ug/l	99
74) N-amyl acetate	12.29	43	86756	18.494	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	66900	19.573	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	46640m	19.735	ug/l	
77) Bromobenzene	12.76	156	103920	20.360	ug/l	99
78) n-propylbenzene	12.82	91	488755	20.495	ug/l	98
79) 2-Chlorotoluene	12.91	91	263478	20.079	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	341385	20.212	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	20975	19.353	ug/l	97
82) 4-Chlorotoluene	13.01	91	280919	20.220	ug/l	99
83) tert-Butylbenzene	13.23	119	291311	19.839	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	342104	20.143	ug/l	100
85) sec-Butylbenzene	13.40	105	409643	20.326	ug/l	99
86) p-Isopropyltoluene	13.52	119	386653	20.322	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	194096	20.036	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	193999	20.284	ug/l	99
89) n-Butylbenzene	13.85	91	349453	20.225	ug/l	99
90) Hexachloroethane	14.12	117	75231	21.140	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	165513	19.992	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11661	20.224	ug/l	85

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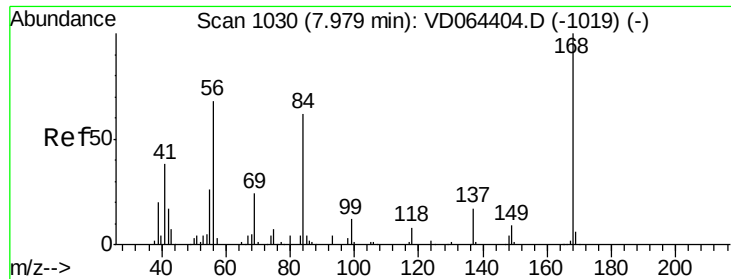
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	126092	19.887	ug/l	99
94) Hexachlorobutadiene	15.28	225	77509	19.802	ug/l	98
95) Naphthalene	15.41	128	195986	18.522	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	105779	19.544	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBSD01

Tot Ion:168 Resp: 432996

Ion Ratio Lower Upper

168 100

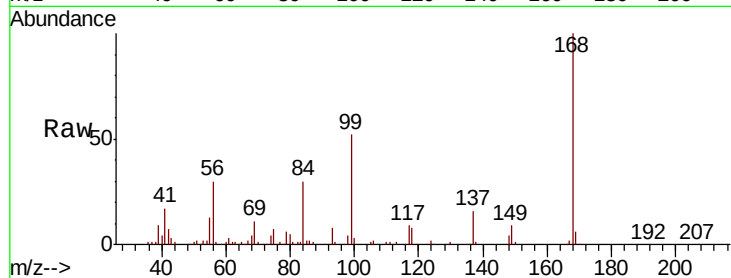
99 52.1 40.7 61.1

Manual Integrations

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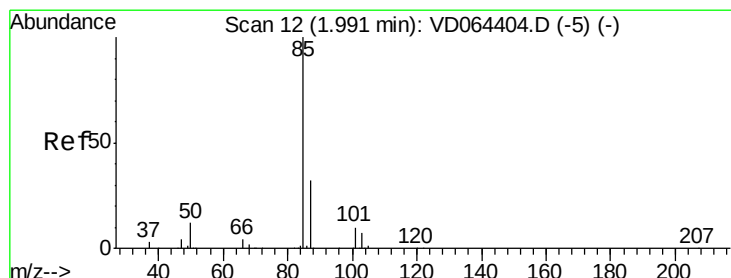
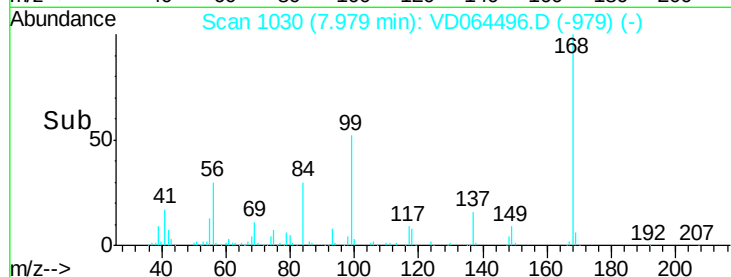
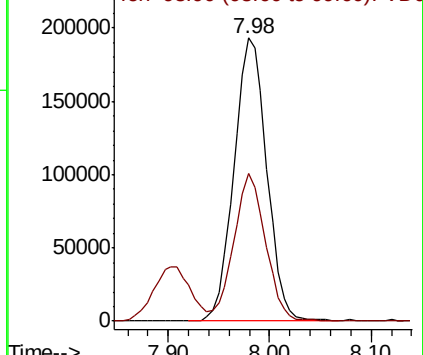
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.616 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064496.D

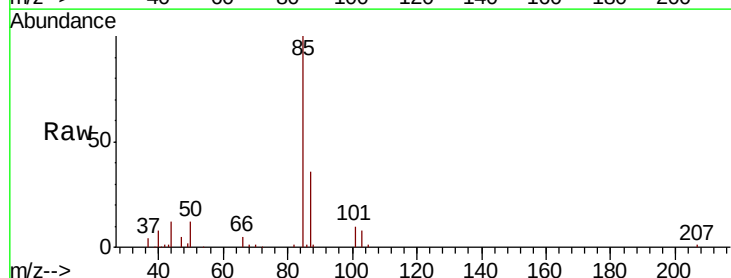
Acq: 11 Dec 2019 12:53

Tgt Ion: 85 Resp: 80883

Ion Ratio Lower Upper

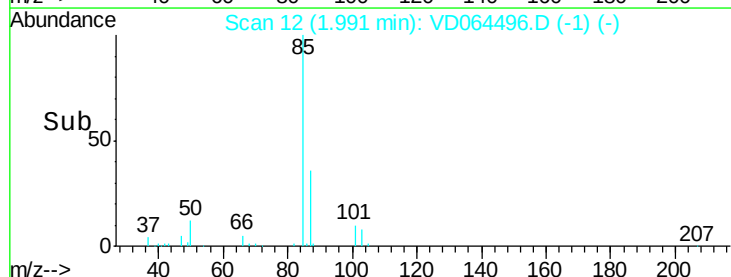
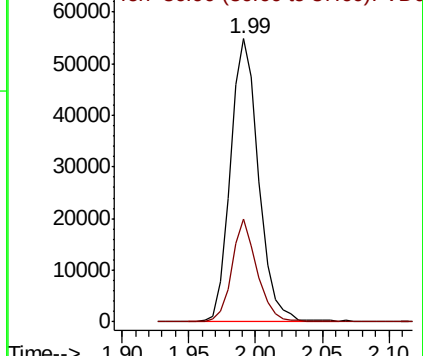
85 100

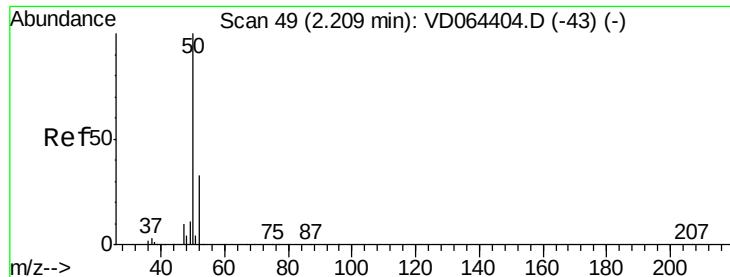
87 36.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.650 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBSD01

Tot Ion: 50 Resp: 102184

Ion Ratio Lower Upper

50 100

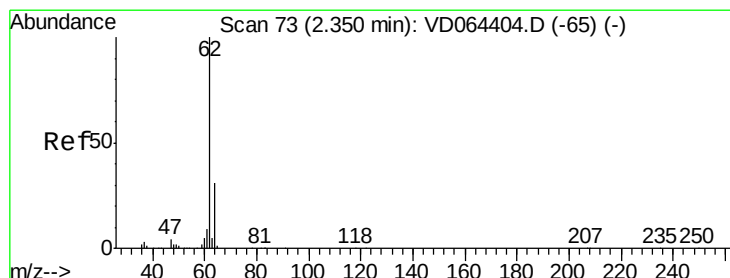
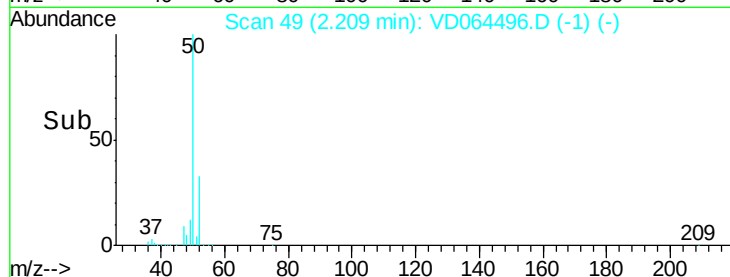
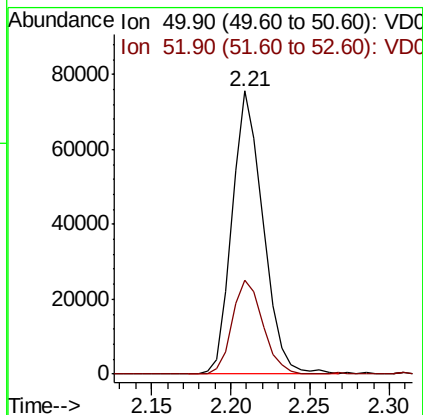
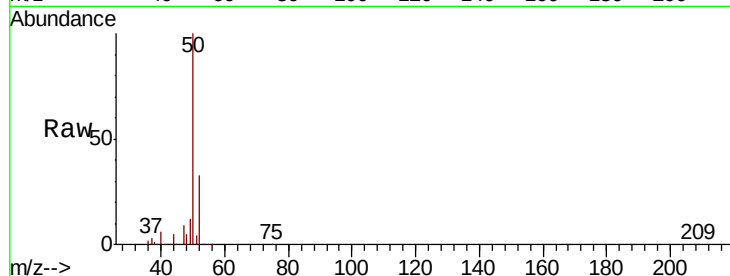
52 33.2 26.7 40.1

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#4

Vinyl Chloride

Concen: 21.868 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064496.D

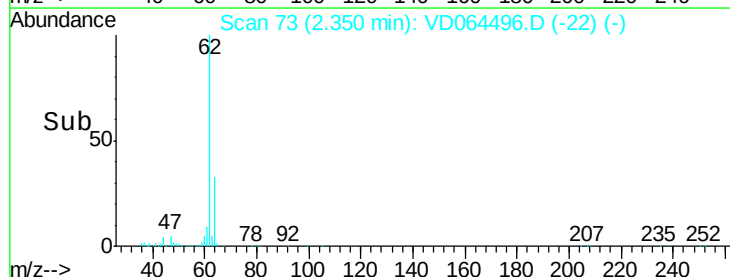
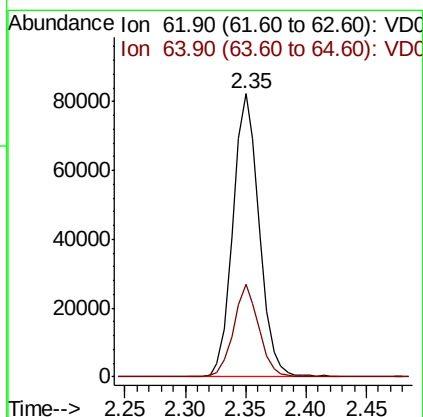
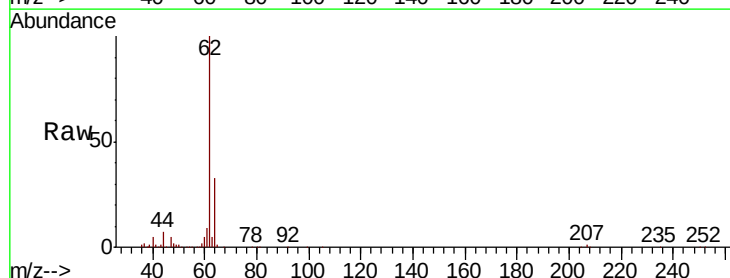
Acq: 11 Dec 2019 12:53

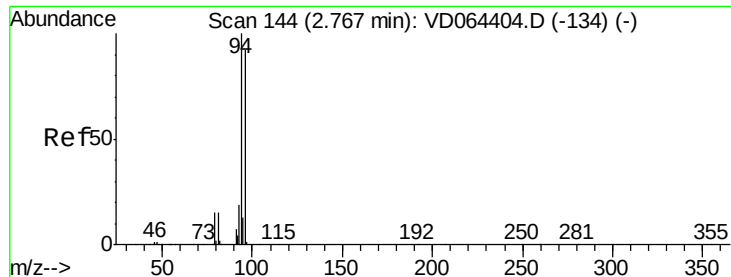
Tgt Ion: 62 Resp: 124946

Ion Ratio Lower Upper

62 100

64 32.7 25.0 37.4





#5

Bromomethane

Concen: 20.439 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 94 Resp: 86361

Ion Ratio Lower Upper

94 100

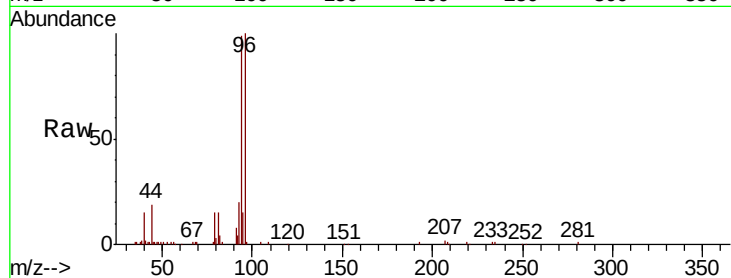
96 100.7 73.6 110.4

Manual Integrations

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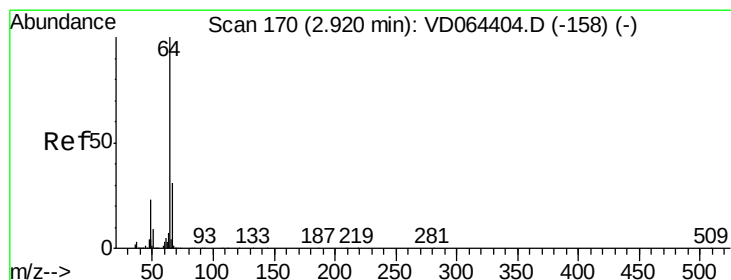
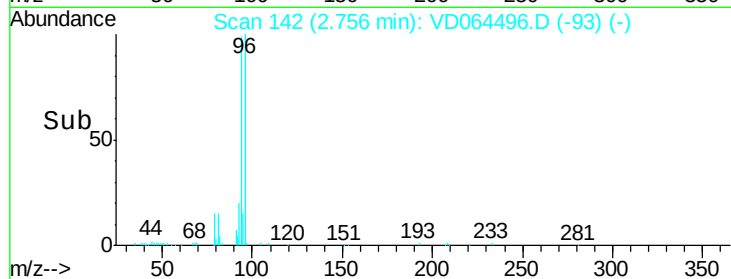
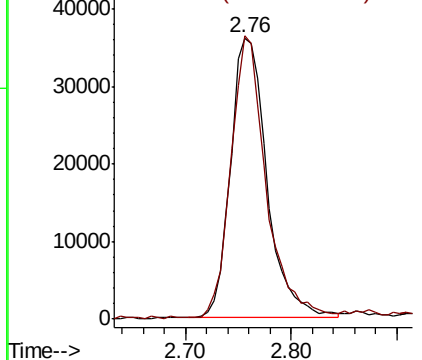
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.826 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064496.D

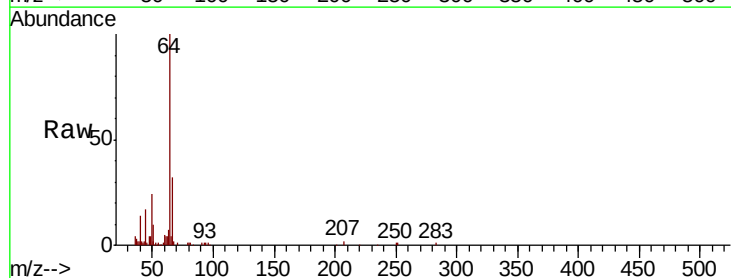
Acq: 11 Dec 2019 12:53

Tgt Ion: 64 Resp: 83351

Ion Ratio Lower Upper

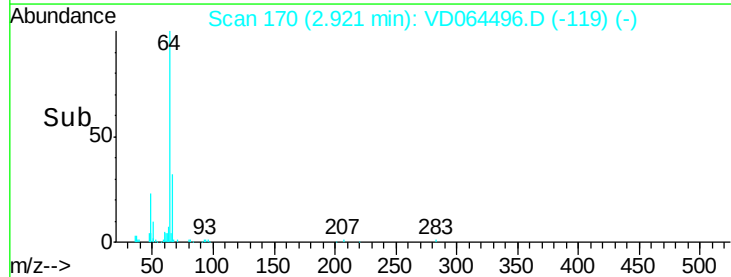
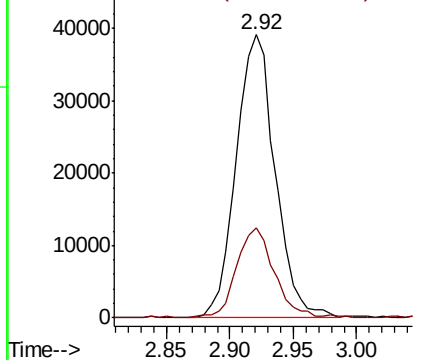
64 100

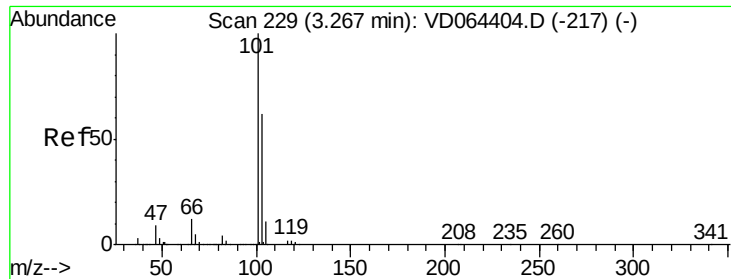
66 31.8 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

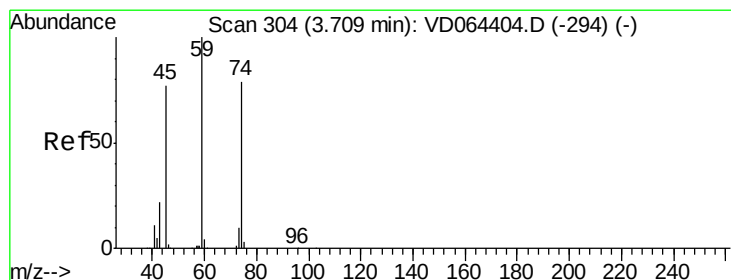
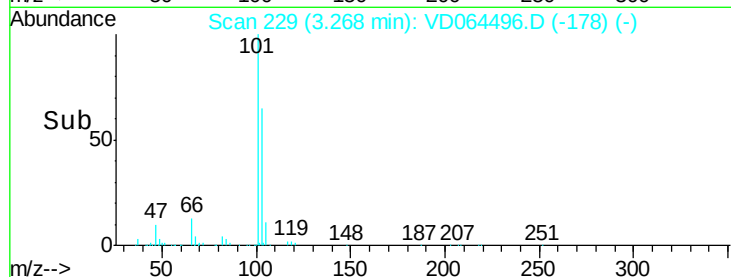
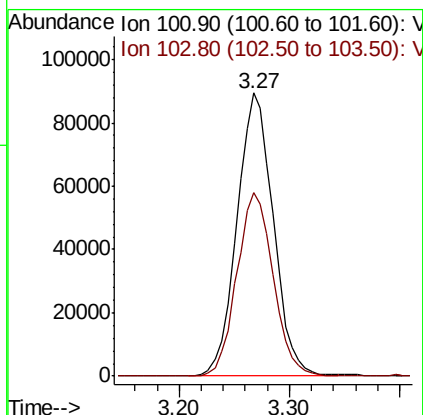
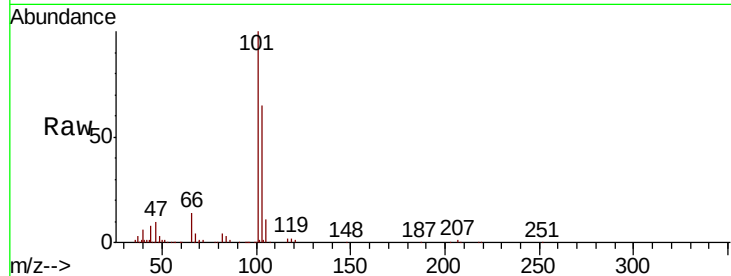
Trichlorofluoromethane
Concen: 21.792 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

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VD1211SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	206982		
103	64.7	49.8	74.6	

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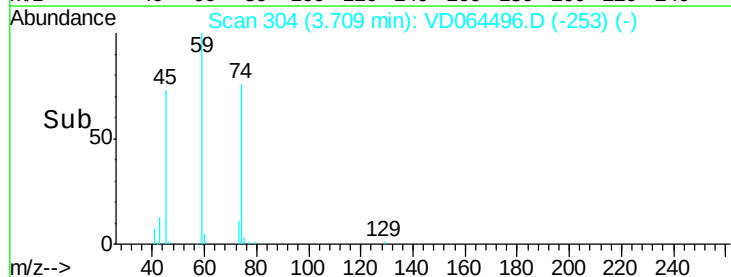
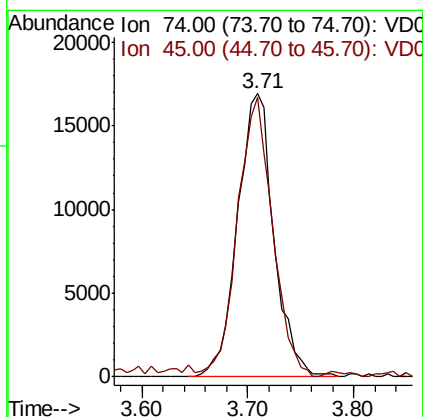
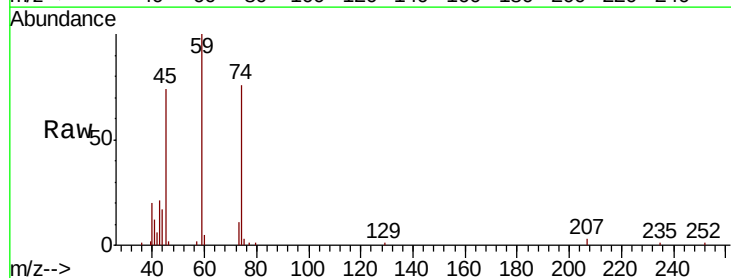
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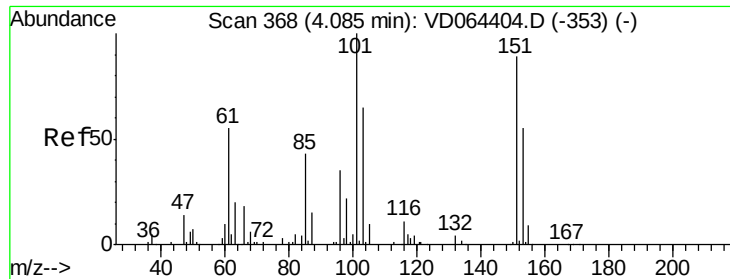


#8

Diethyl Ether
Concen: 20.456 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	40374		
45	95.5	48.6	145.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.681 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion:101 Resp: 88299

Ion Ratio Lower Upper

101 100

85 43.4 34.8 52.2

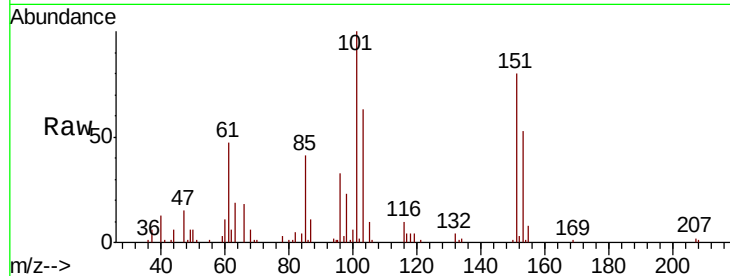
151 82.5 68.8 103.2

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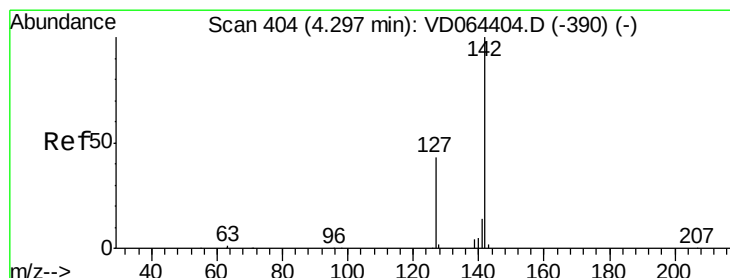
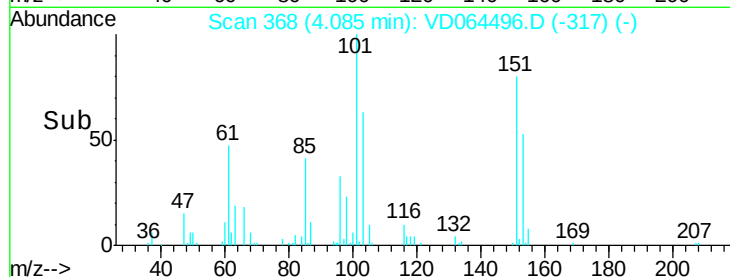
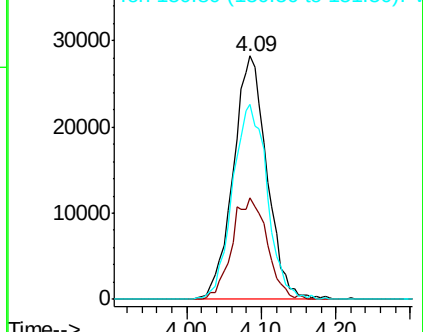
12/12/2019 10:29:06 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.766 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

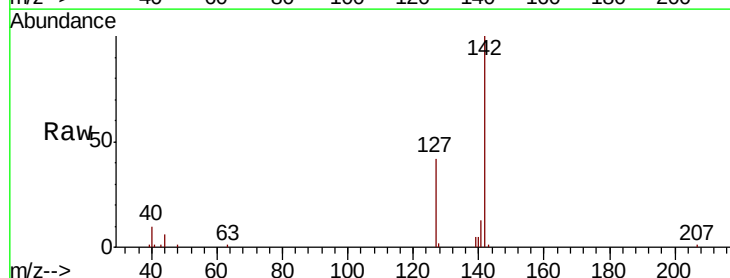
Tgt Ion:142 Resp: 93610

Ion Ratio Lower Upper

142 100

127 42.6 35.3 52.9

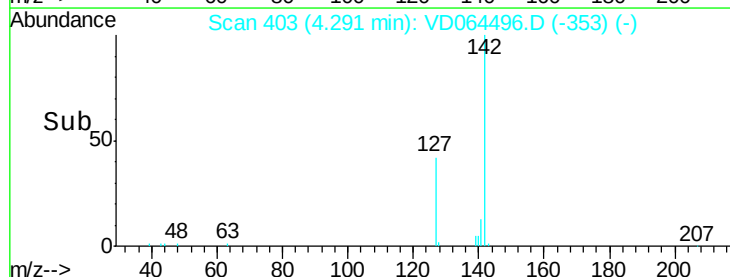
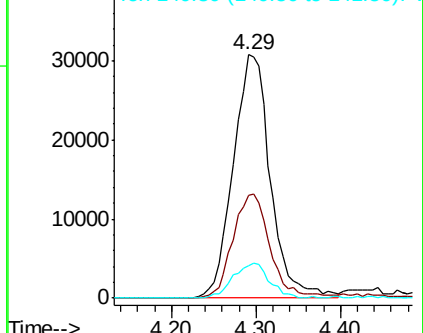
141 14.1 11.6 17.4

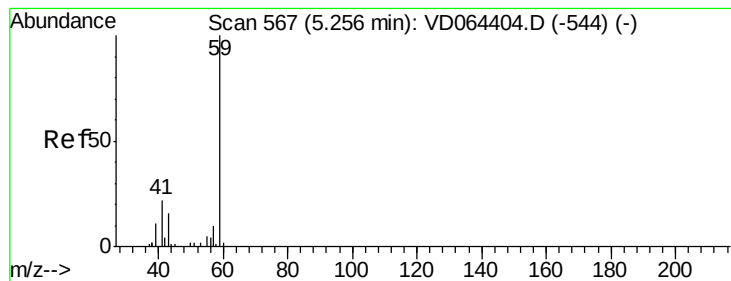


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

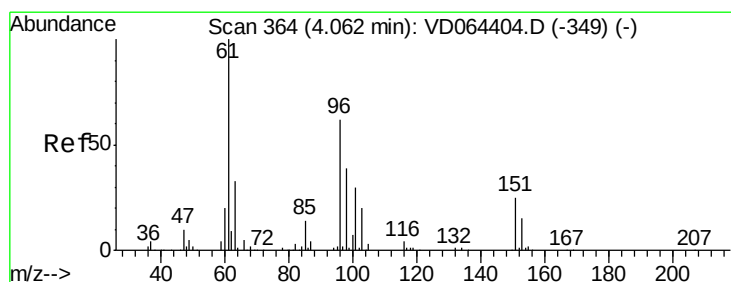
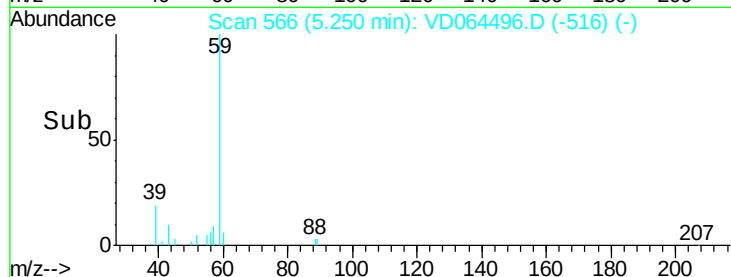
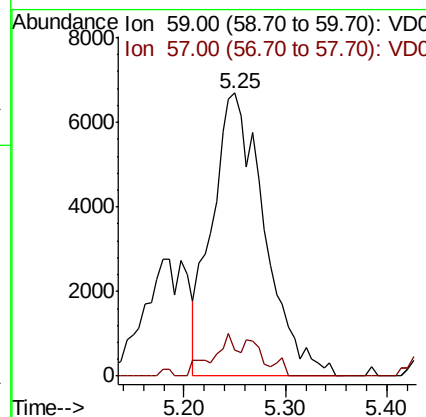
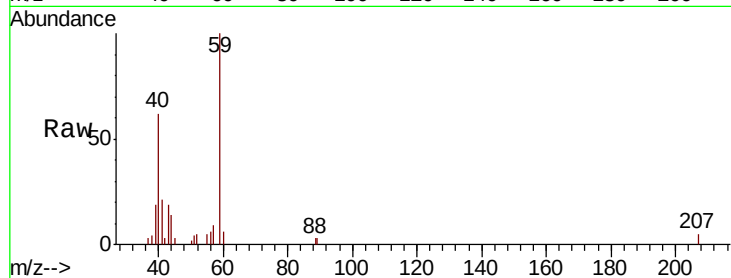
Tert butyl alcohol
Concen: 95.675 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBSD01

Tot Ion: 59 Resp: 23869
Ion Ratio Lower Upper
59 100
57 7.1 0.0 0.0#

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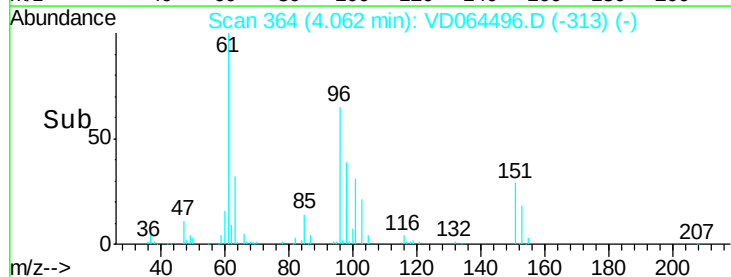
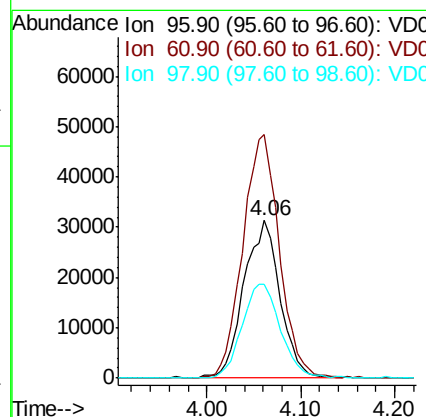
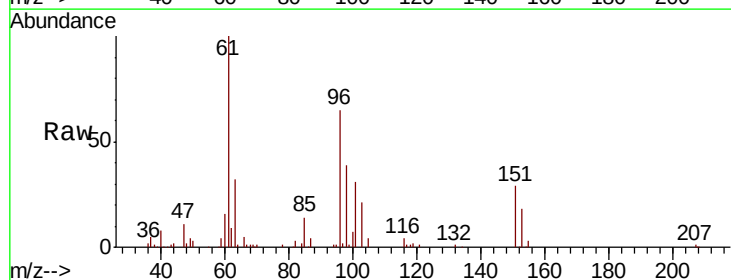
apatel
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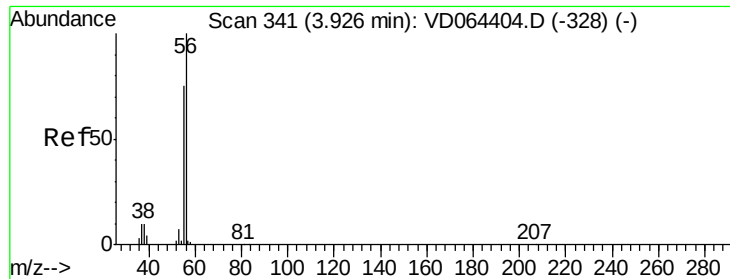


#12

1,1-Dichloroethene
Concen: 21.326 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Tgt Ion: 96 Resp: 83231
Ion Ratio Lower Upper
96 100
61 154.6 128.2 192.4
98 59.8 50.4 75.6





#13

Acrolein

Concen: 81.781 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBSD01

Tot Ion: 56 Resp: 27829

Ion Ratio Lower Upper

56 100

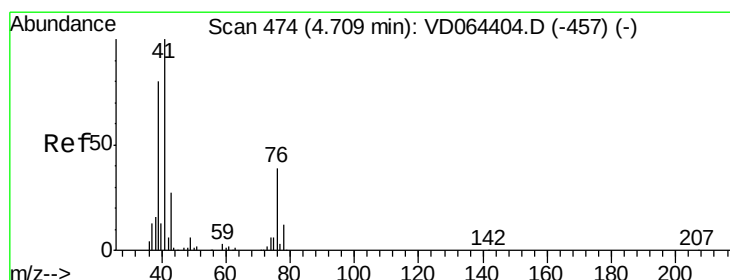
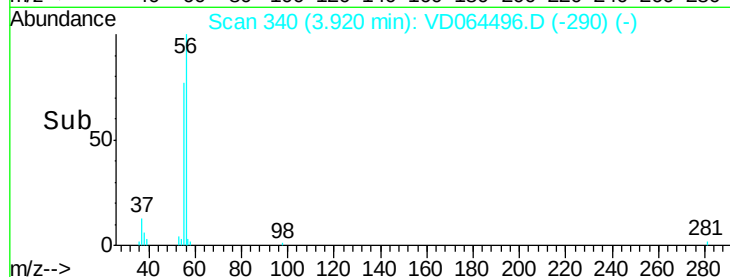
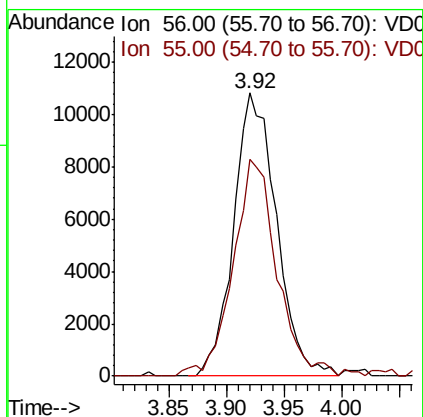
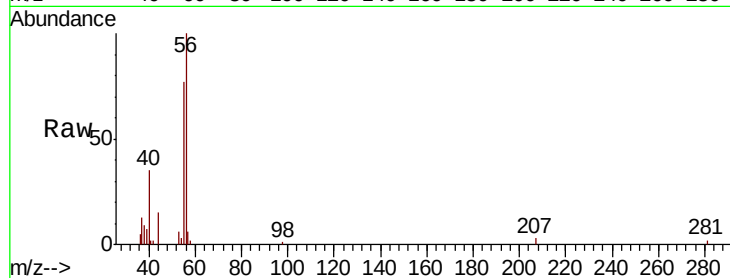
55 78.4 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 20.516 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

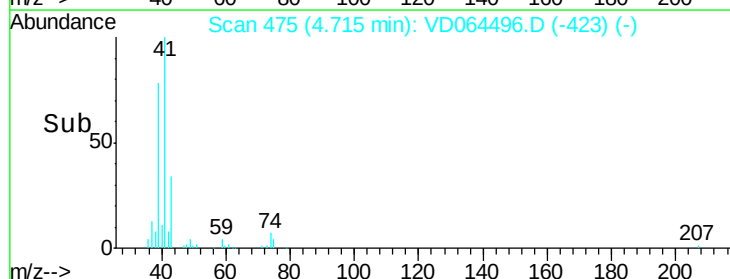
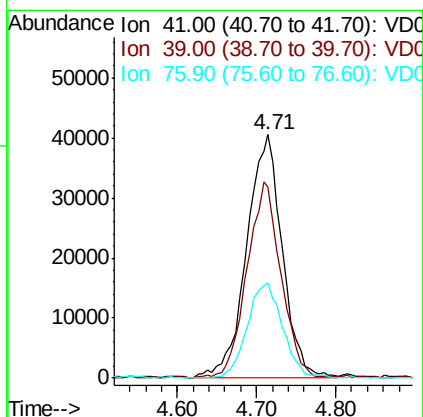
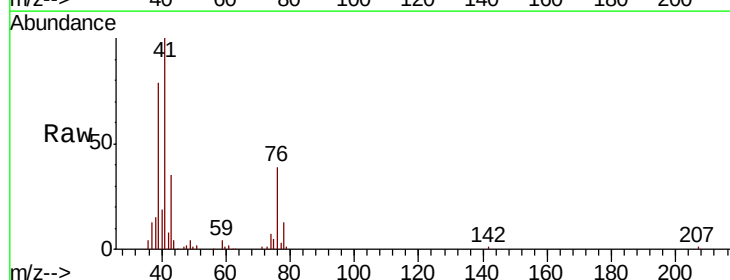
Tgt Ion: 41 Resp: 124960

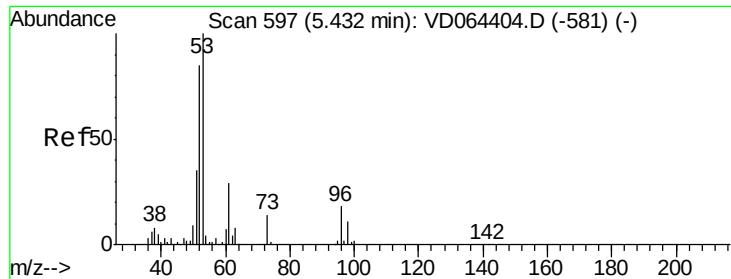
Ion Ratio Lower Upper

41 100

39 78.1 62.1 93.1

76 39.4 29.8 44.8





#15

Acrylonitrile

Concen: 99.190 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Instrument :

MSVOA_D

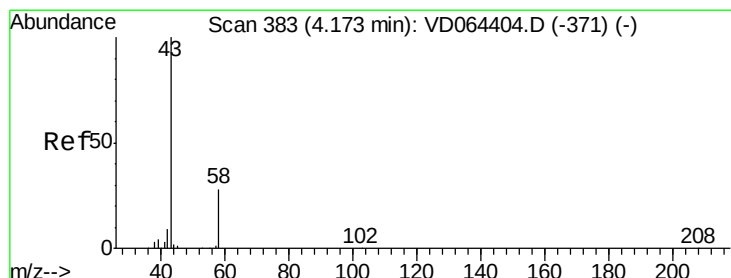
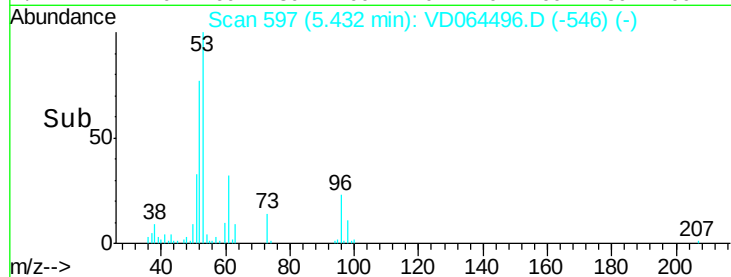
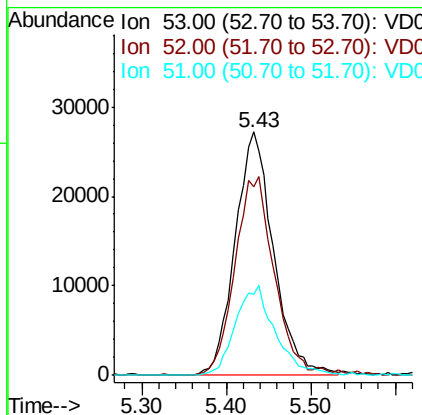
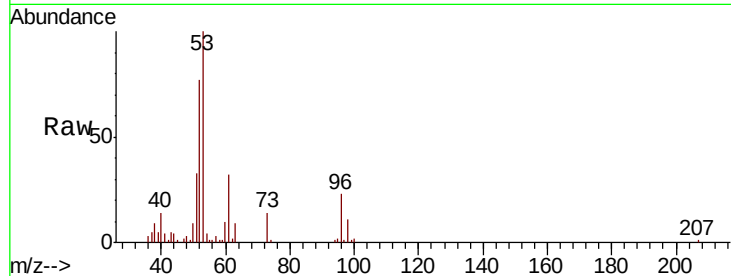
ClientSampleId :

VD1211SBS01

Tot Ion:	53	Resp:	85611
Ion	Ratio	Lower	Upper
53	100		
52	82.6	67.9	101.9
51	38.2	30.6	45.8

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#16

Acetone

Concen: 95.668 ug/l

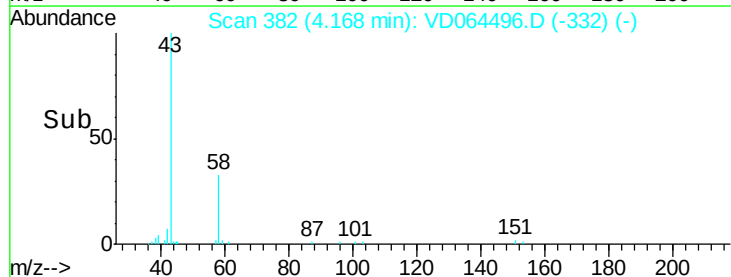
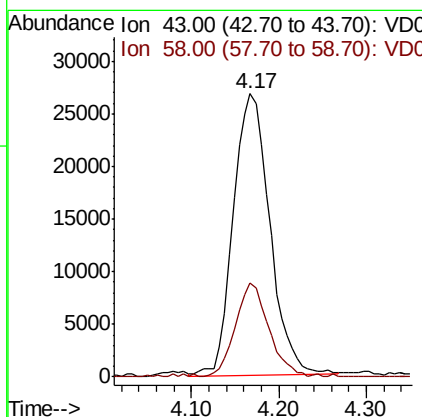
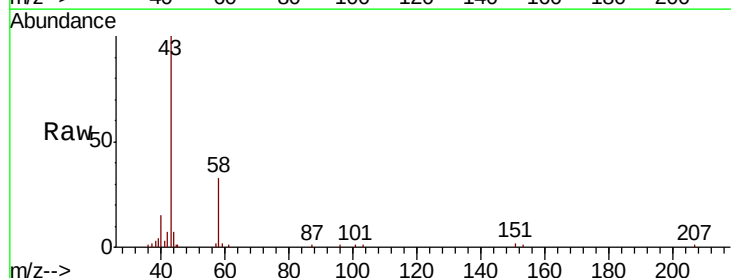
RT: 4.17 min Scan# 382

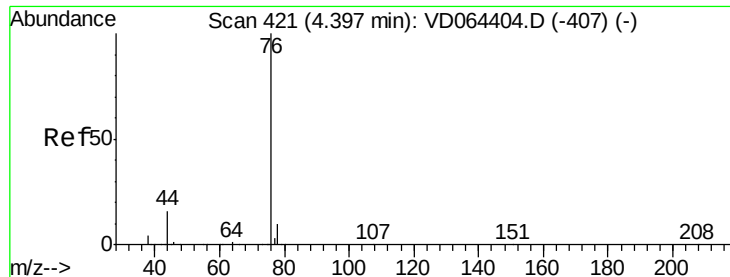
Delta R.T. -0.01 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Tgt Ion:	43	Resp:	75769
Ion	Ratio	Lower	Upper
43	100		
58	33.4	22.6	33.8





#17

Carbon Disulfide

Concen: 20.888 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 76 Resp: 258194

Ion Ratio Lower Upper

76 100

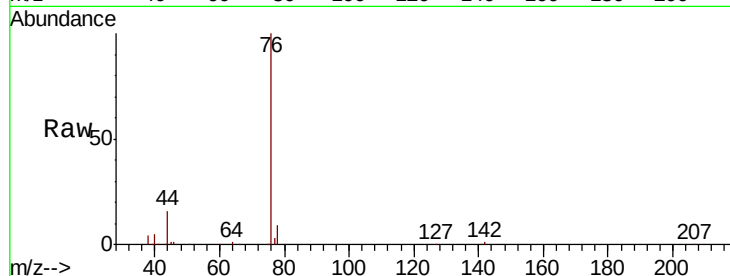
78 9.0 7.8 11.8

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

80000

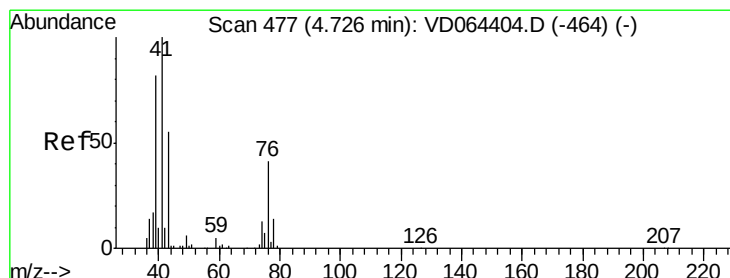
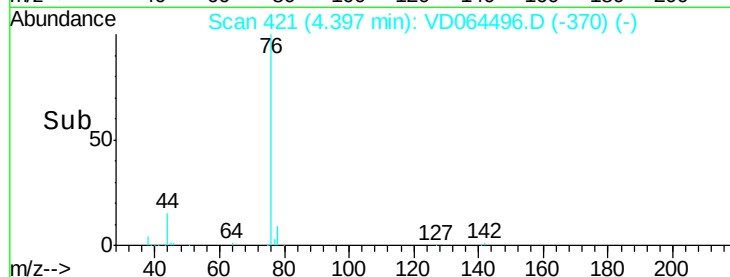
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 20.162 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064496.D

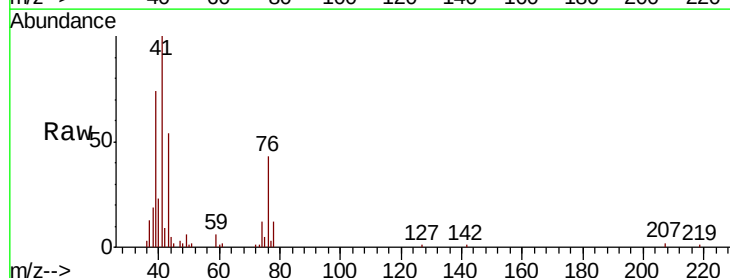
Acq: 11 Dec 2019 12:53

Tgt Ion: 43 Resp: 46579

Ion Ratio Lower Upper

43 100

74 24.6 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

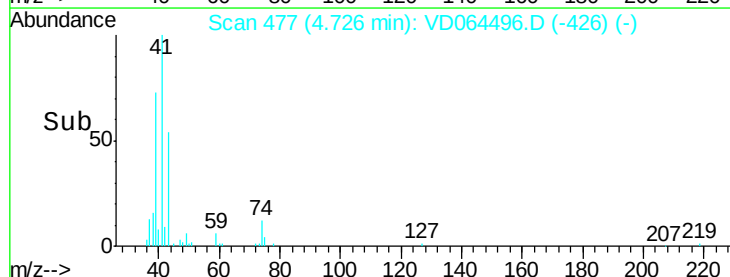
15000

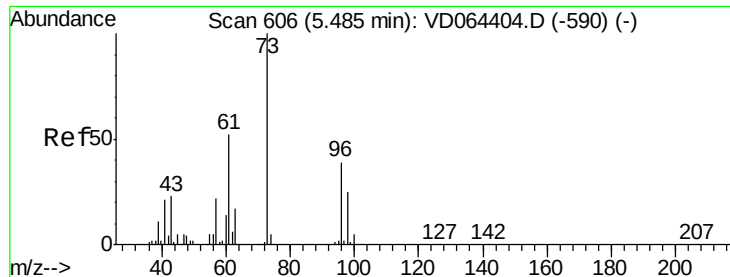
10000

5000

0

Time-->





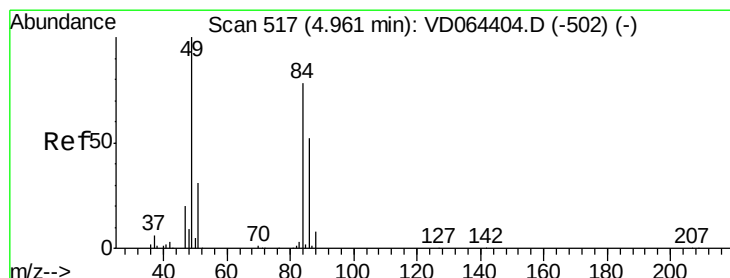
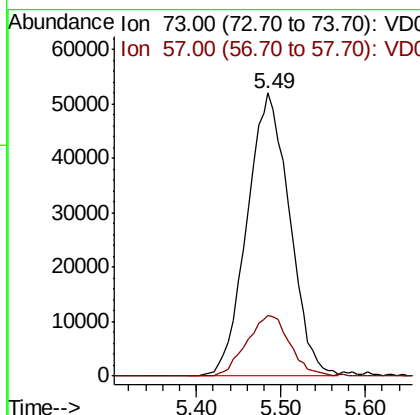
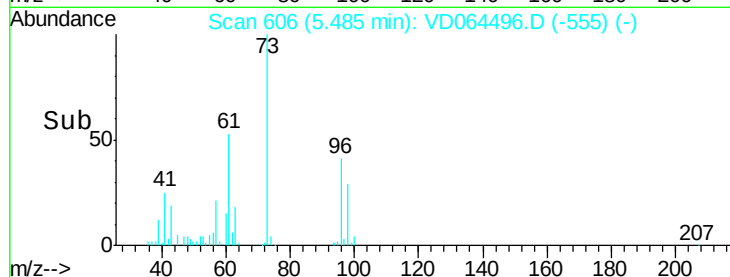
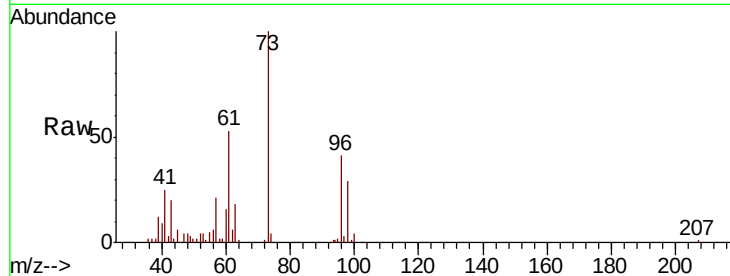
#19
Methyl tert-butyl Ether
Concen: 20.358 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion: 73 Resp: 182252
Ion Ratio Lower Upper
73 100
57 21.3 17.6 26.4

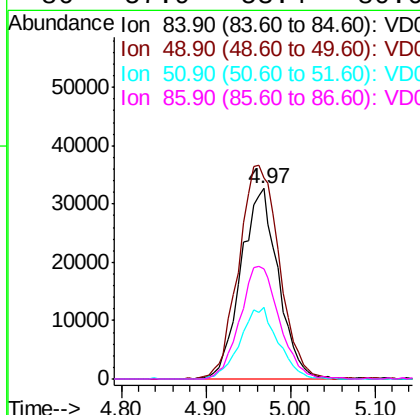
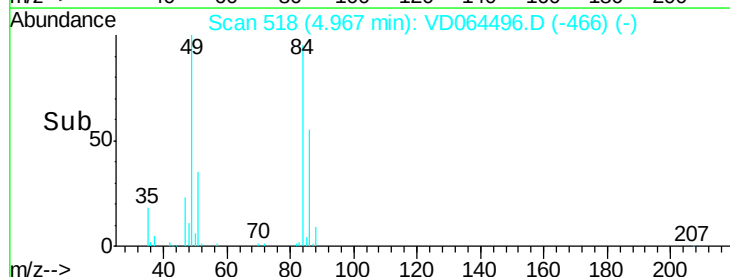
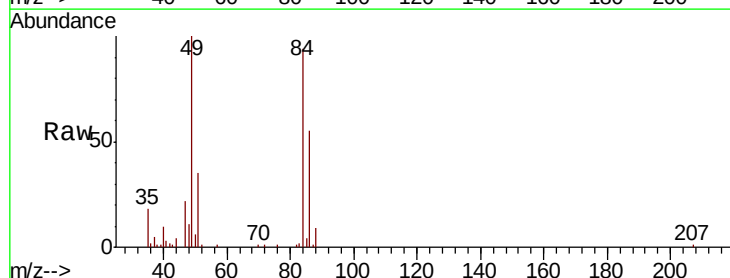
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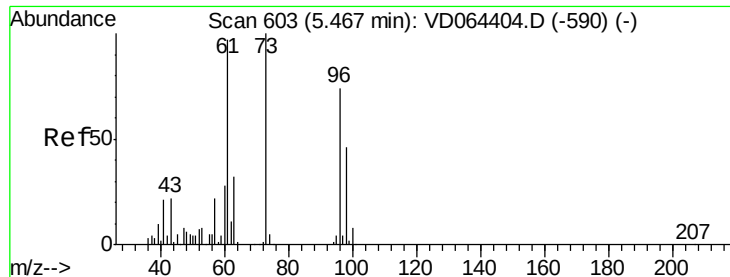
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#20
Methylene Chloride
Concen: 22.505 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Tgt Ion: 84 Resp: 100405
Ion Ratio Lower Upper
84 100
49 105.4 102.6 153.8
51 37.4 32.0 48.0
86 57.9 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 20.955 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Instrument :

MSVOA_D

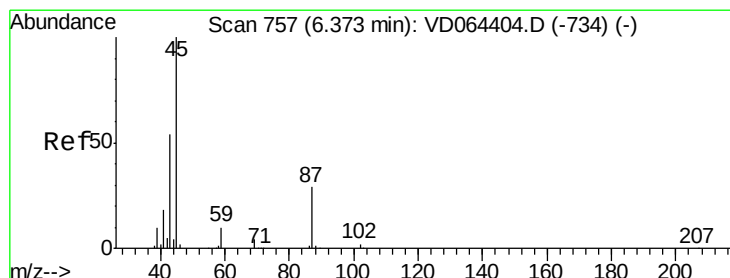
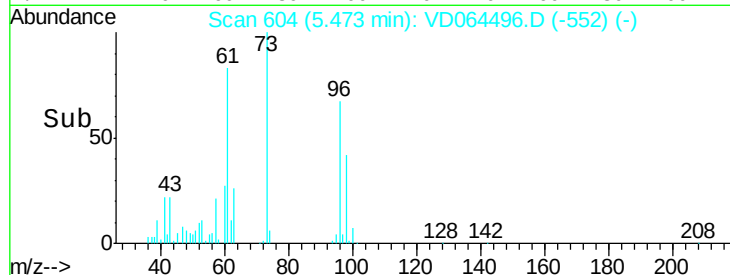
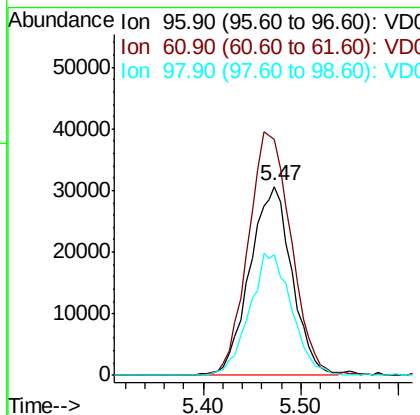
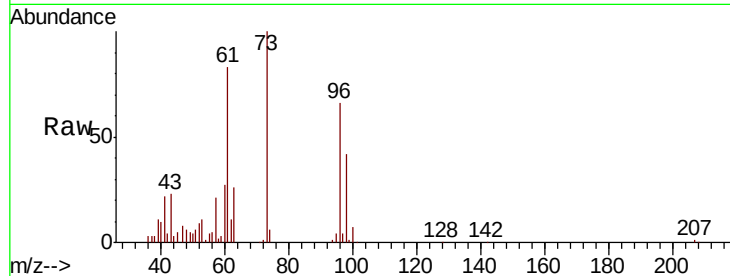
ClientSampleId :

VD1211SBSD01

Tot Ion:	96	Resp:	92508
Ion	Ratio	Lower	Upper
96	100		
61	125.0	105.8	158.6
98	63.8	50.1	75.1

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#22

Diisopropyl ether

Concen: 20.770 ug/l

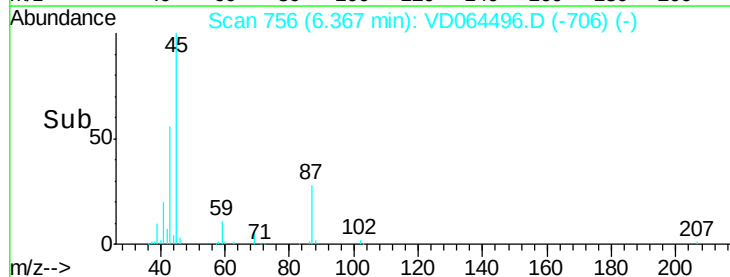
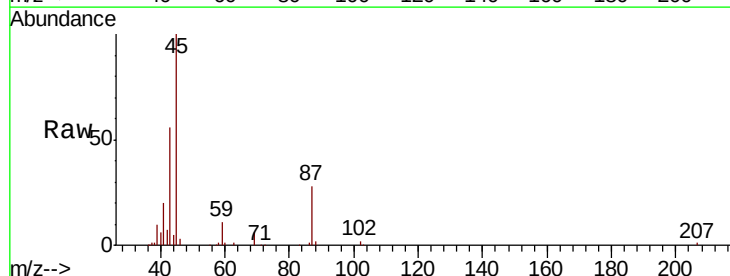
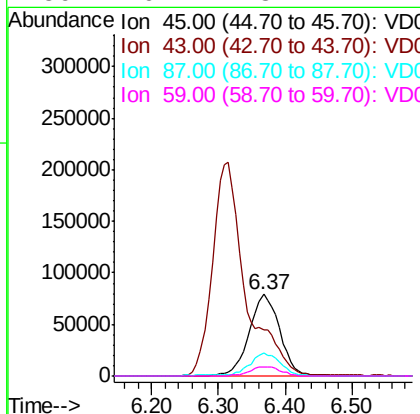
RT: 6.37 min Scan# 756

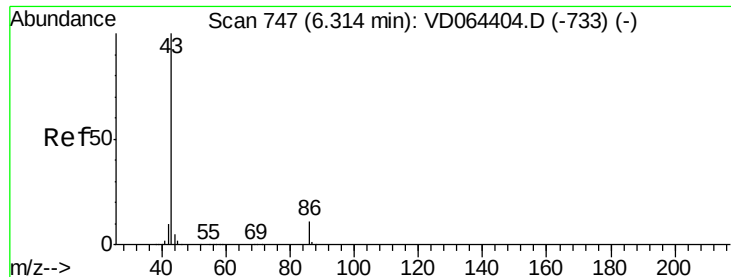
Delta R.T. -0.01 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Tgt Ion:	45	Resp:	249736
Ion	Ratio	Lower	Upper
45	100		
43	55.4	43.1	64.7
87	27.6	23.5	35.3
59	10.7	8.2	12.2





#23

Vinyl Acetate

Concen: 100.896 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 43 Resp: 715209

Ion Ratio Lower Upper

43 100

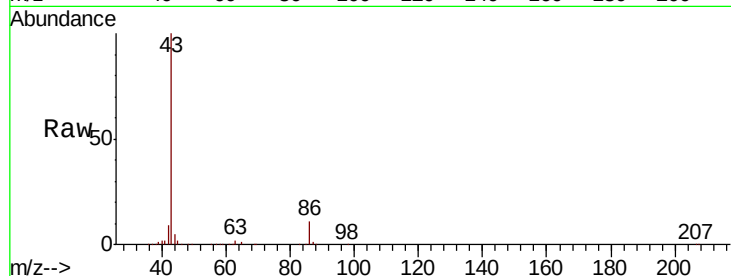
86 10.8 8.9 13.3

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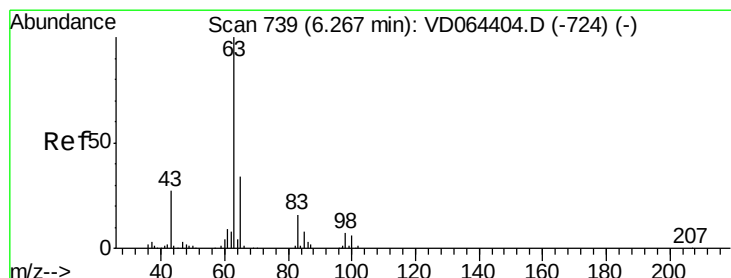
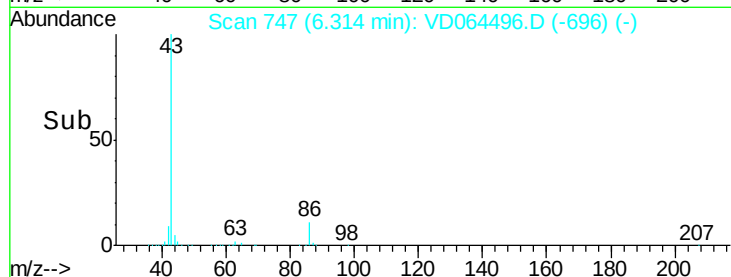
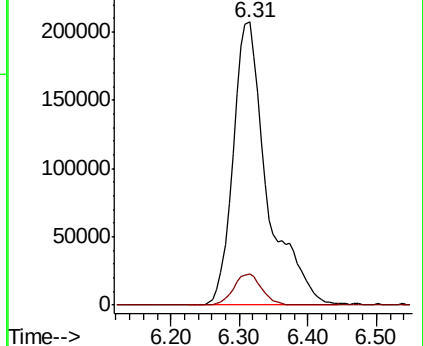
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.429 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

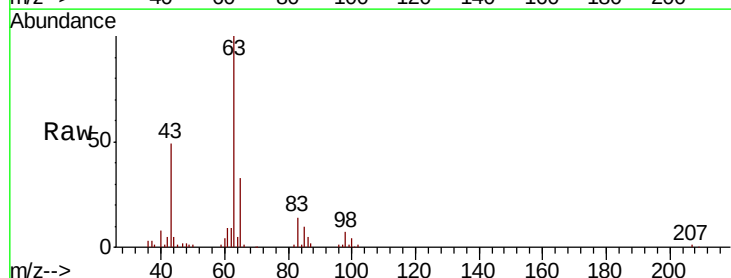
Tgt Ion: 63 Resp: 154955

Ion Ratio Lower Upper

63 100

98 6.6 3.6 10.9

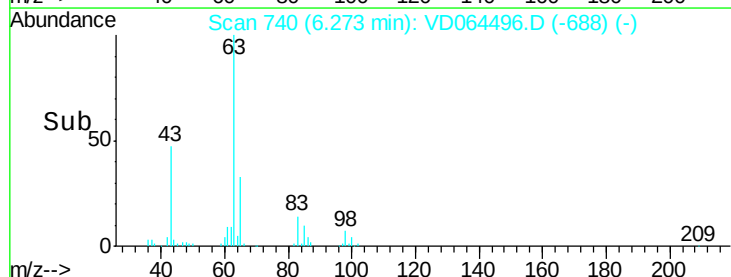
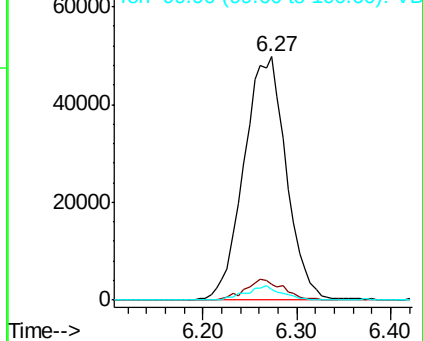
100 4.3 2.9 8.6

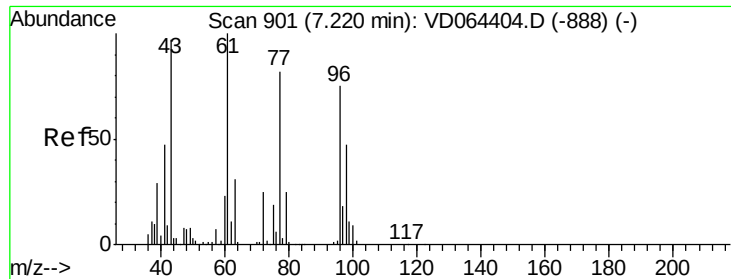


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 97.135 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 43 Resp: 108797

Ion Ratio Lower Upper

43 100

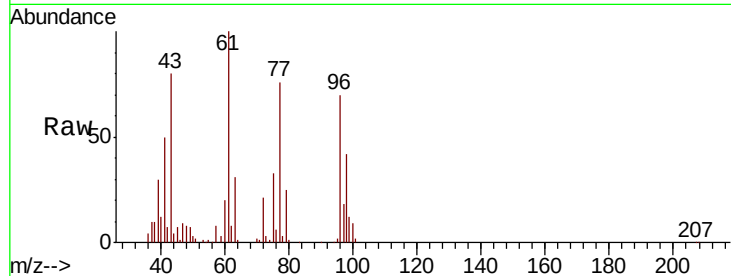
72 26.0 21.0 31.4

Manual Integrations

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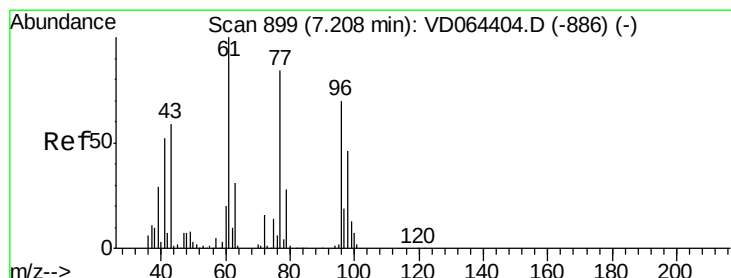
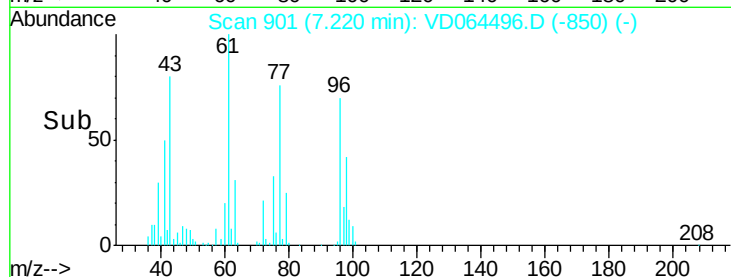
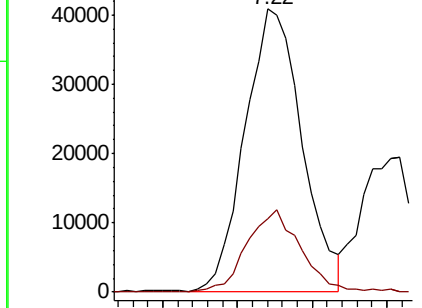
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.587 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064496.D

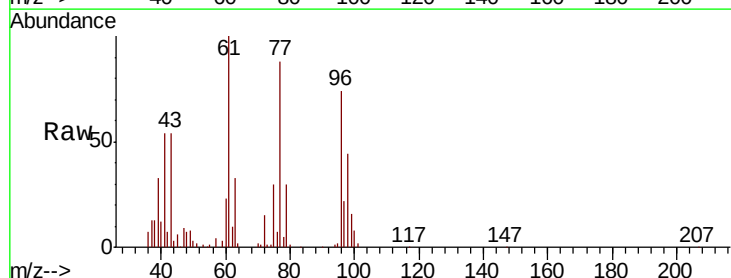
Acq: 11 Dec 2019 12:53

Tgt Ion: 77 Resp: 135750

Ion Ratio Lower Upper

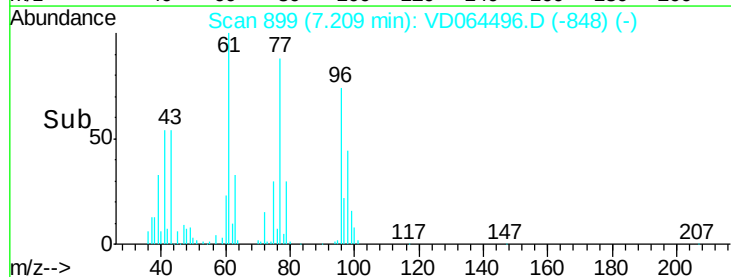
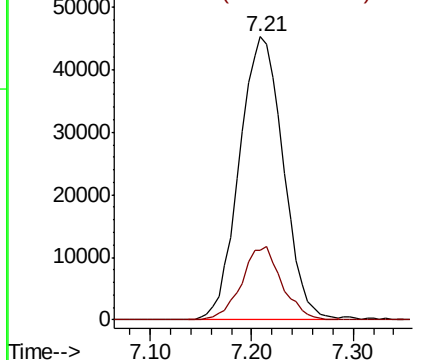
77 100

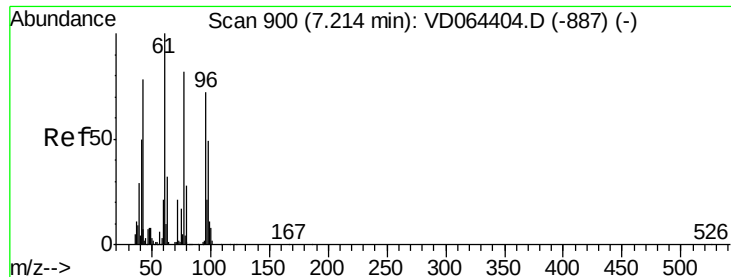
97 23.7 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

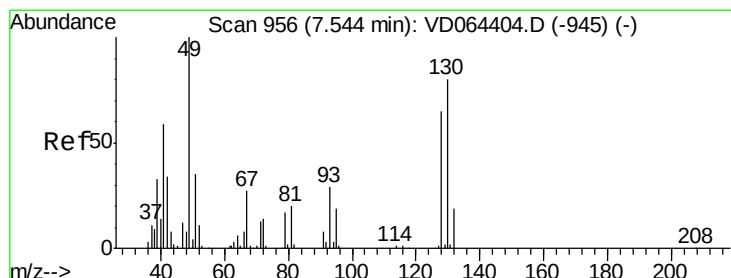
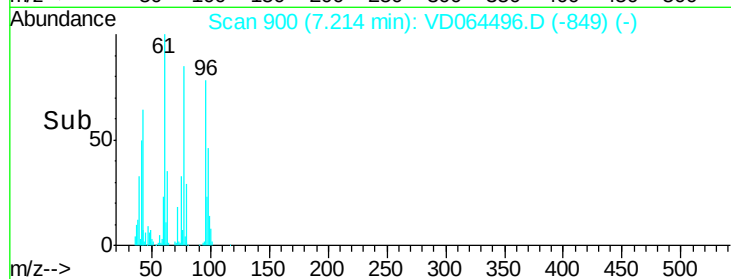
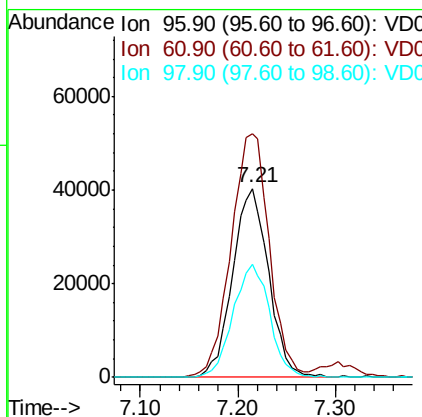
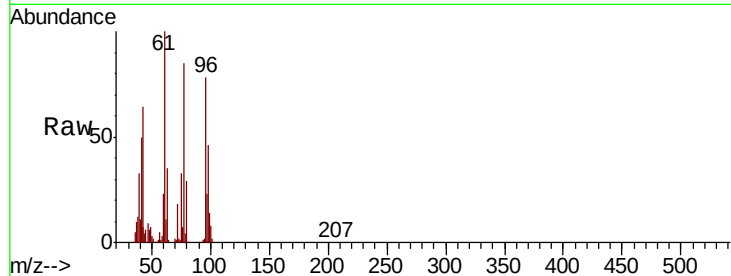
cis-1,2-Dichloroethene
 Concen: 21.563 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064496.D
 Acq: 11 Dec 2019 12:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.6	0.0	279.6
98	60.9	0.0	129.2

Manual Integrations
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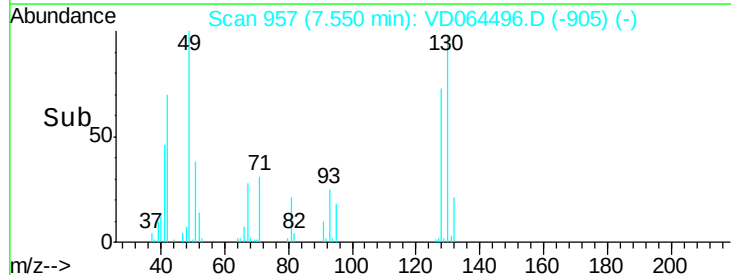
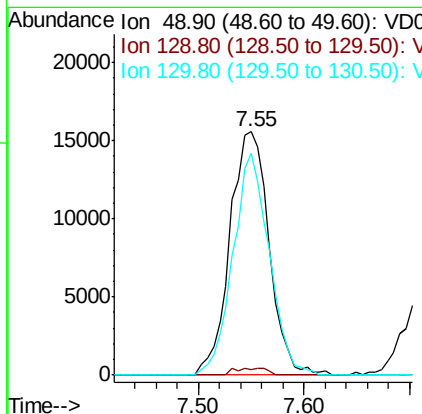
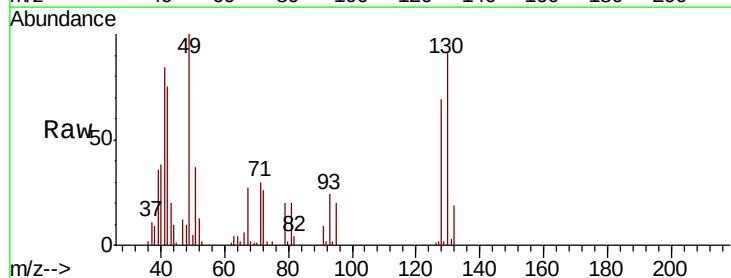
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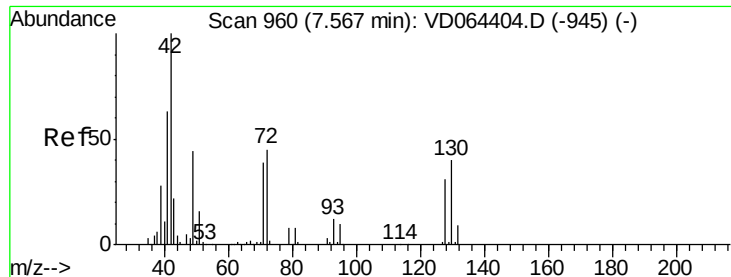


#28

Bromochloromethane
 Concen: 16.168 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD064496.D
 Acq: 11 Dec 2019 12:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	84.6	67.4	101.0





#29

Tetrahydrofuran

Concen: 95.794 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Instrument :

MSVOA_D

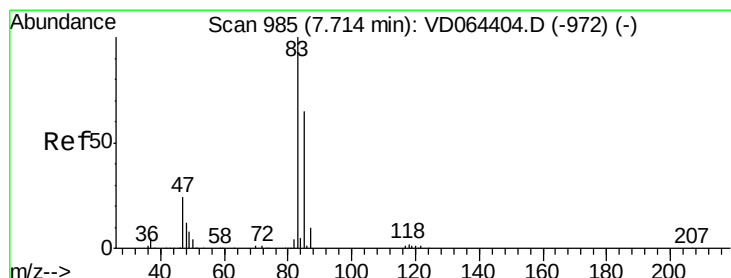
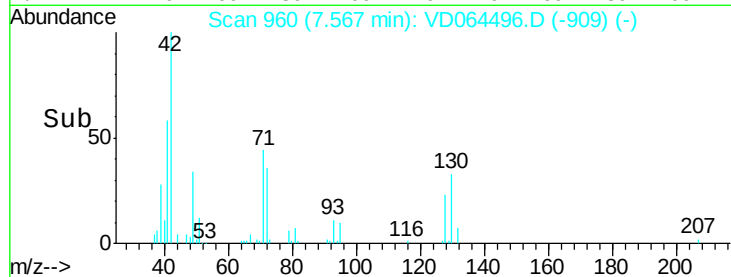
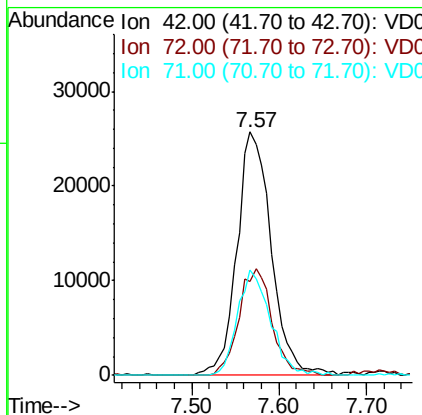
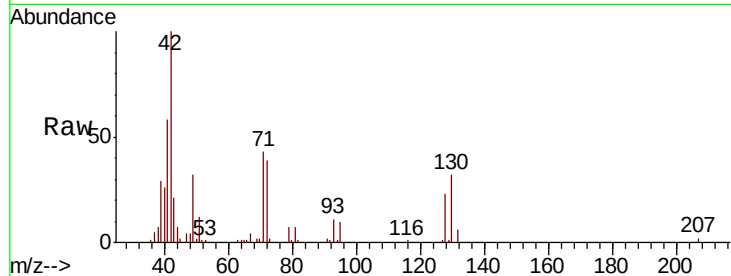
ClientSampleId :

VD1211SBS01

Tot Ion:	42	Resp:	68263
Ion	Ratio	Lower	Upper
42	100		
72	42.4	35.8	53.8
71	41.2	32.7	49.1

Manual Integrations
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#30

Chloroform

Concen: 21.425 ug/l

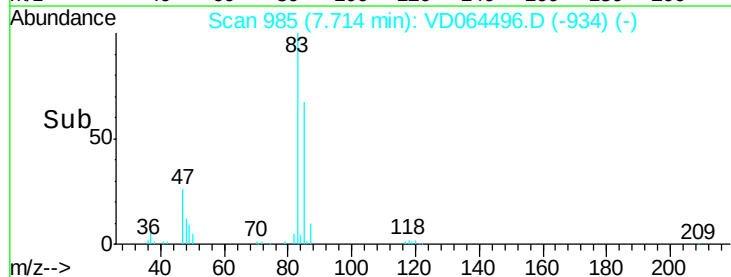
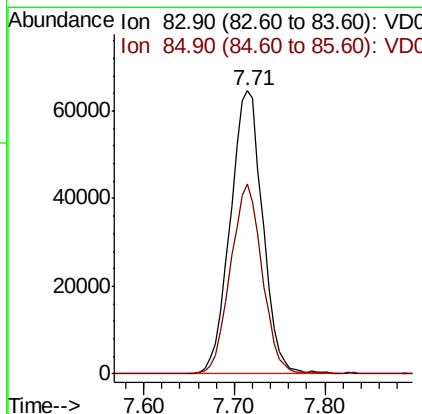
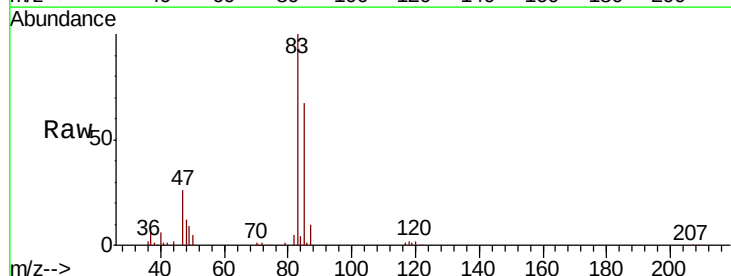
RT: 7.71 min Scan# 985

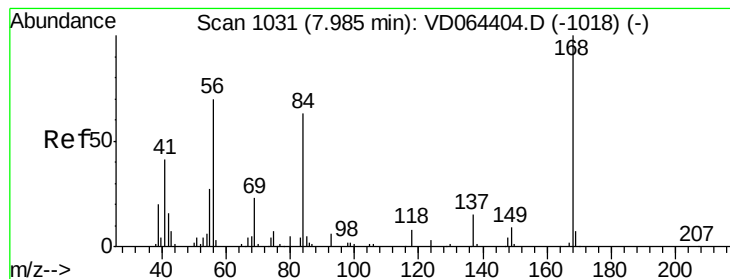
Delta R.T. 0.00 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Tgt Ion:	83	Resp:	160451
Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.8	77.6





#31

Cyclohexane

Concen: 20.604 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBSD01

Tot Ion: 56 Resp: 147106

Ion Ratio Lower Upper

56 100

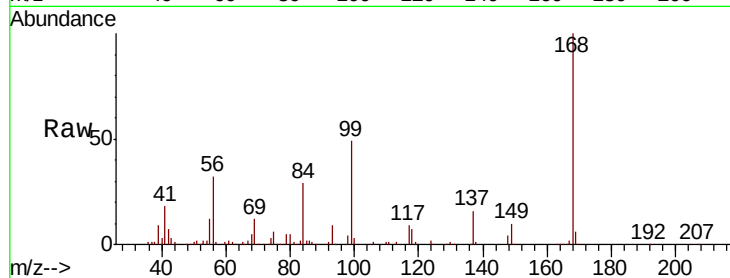
69 37.8 26.2 39.4

84 88.1 70.3 105.5

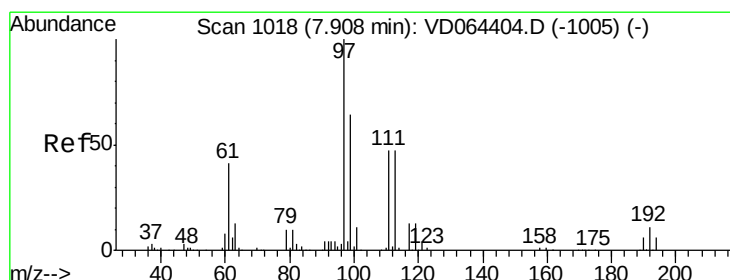
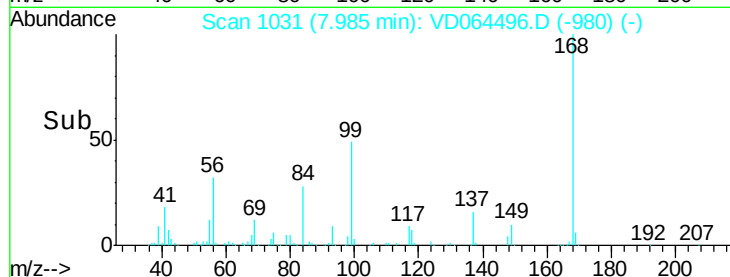
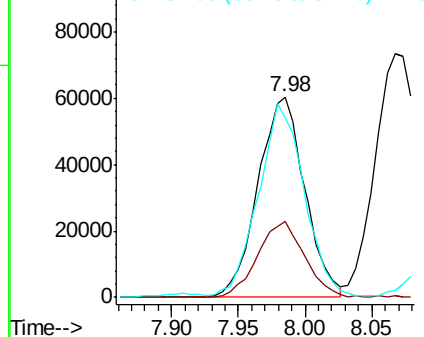
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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 21.194 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

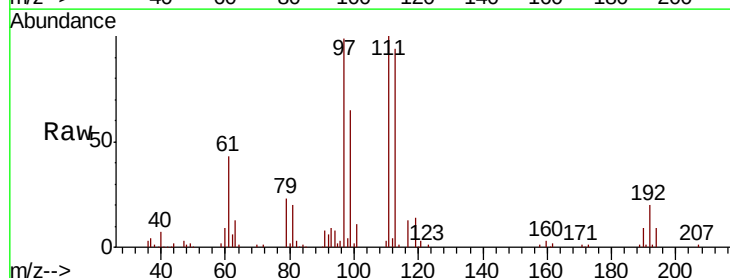
Tgt Ion: 97 Resp: 147149

Ion Ratio Lower Upper

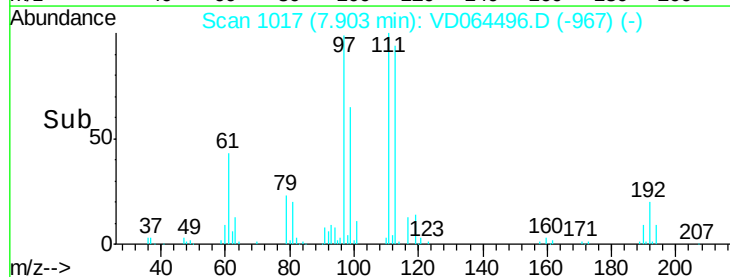
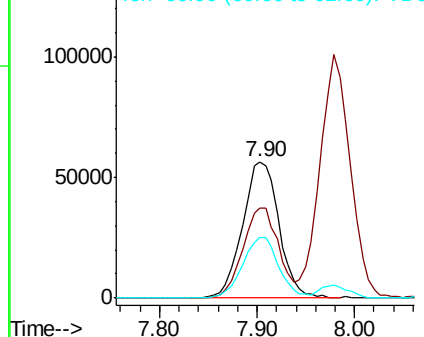
97 100

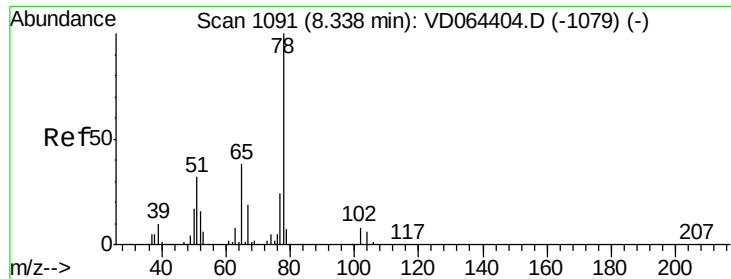
99 64.6 51.4 77.2

61 44.3 35.0 52.4



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





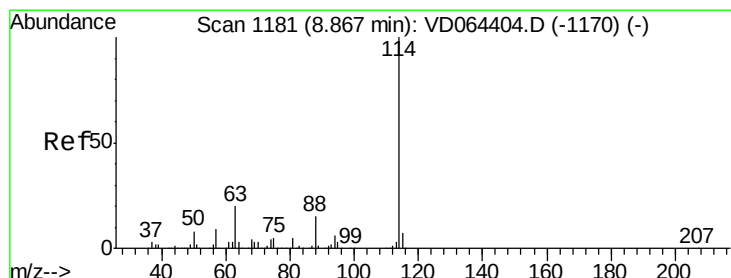
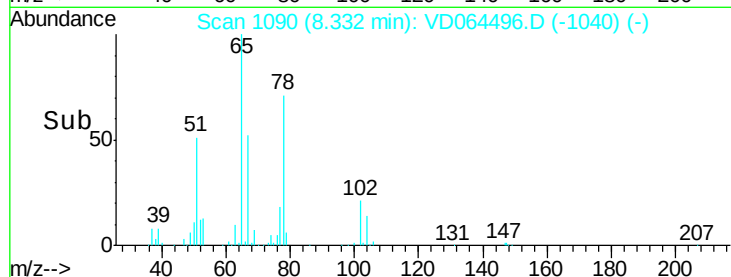
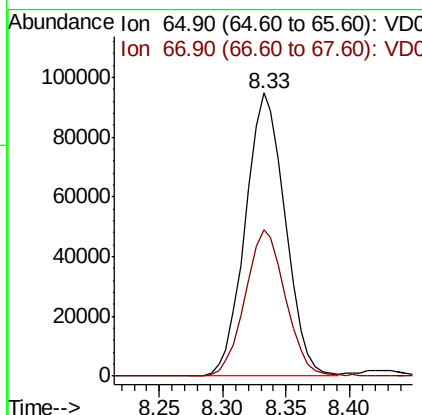
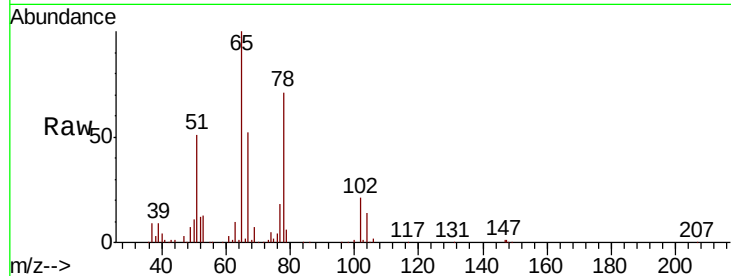
#33
 1,2-Dichloroethane-d4
 Concen: 52.873 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064496.D
 Acq: 11 Dec 2019 12:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	207224		
67	52.4	0.0	102.0	

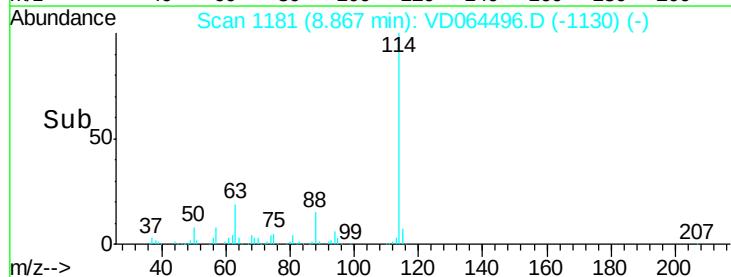
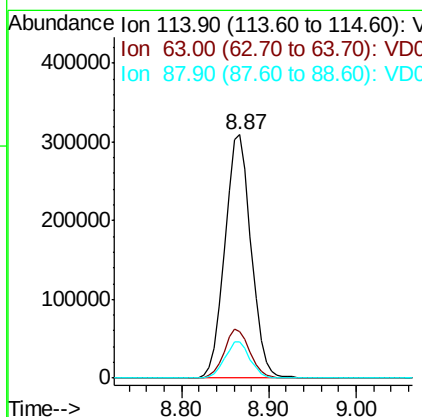
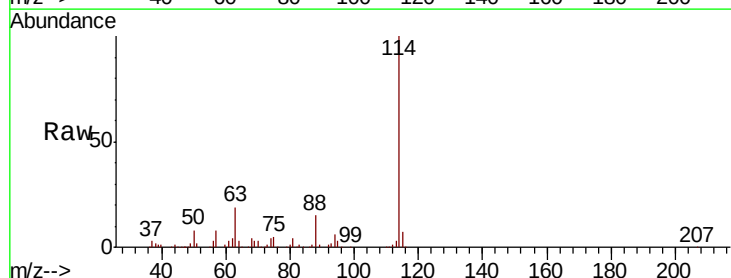
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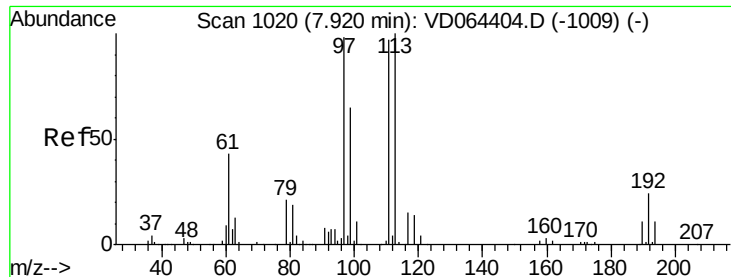
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064496.D
 Acq: 11 Dec 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	635583		
63	19.1	0.0	40.0	
88	14.7	0.0	29.2	





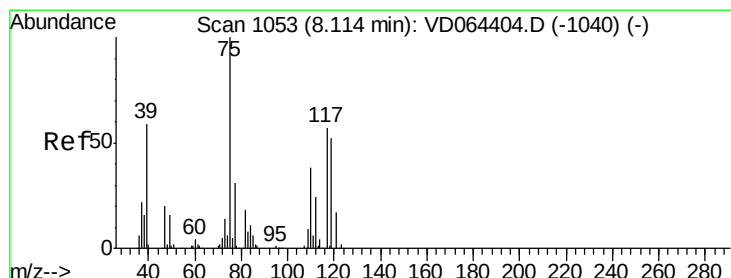
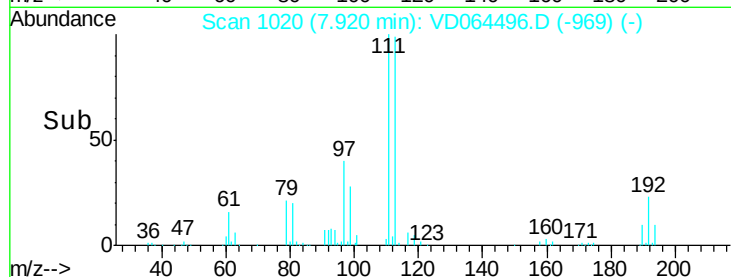
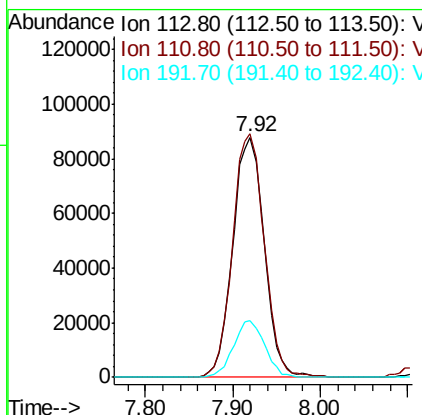
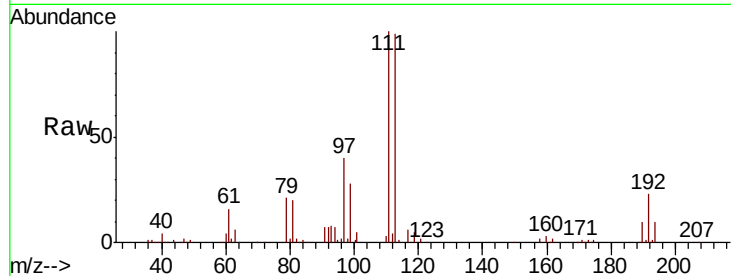
#35
 Dibromofluoromethane
 Concen: 53.416 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064496.D
 Acq: 11 Dec 2019 12:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	213904		
111	102.4	79.4	119.2	
192	23.5	18.6	28.0	

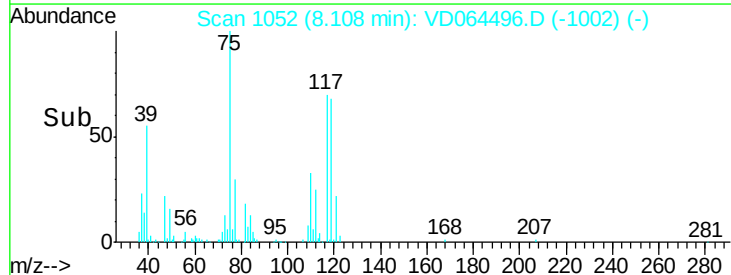
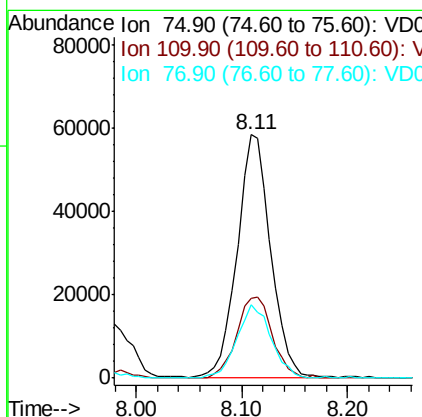
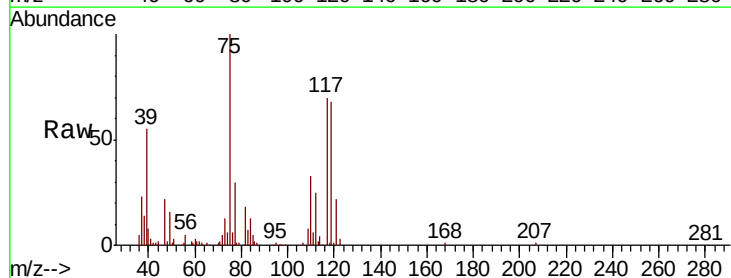
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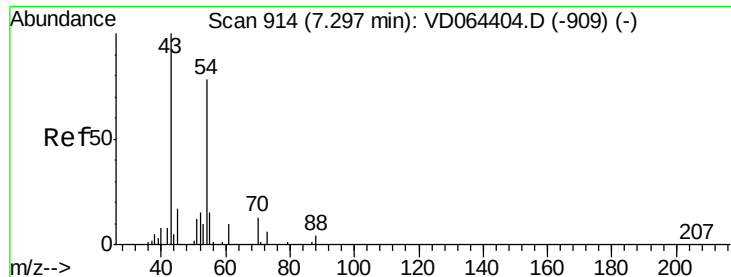
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#36
 1,1-Dichloropropene
 Concen: 21.263 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064496.D
 Acq: 11 Dec 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	127825		
110	35.8	18.6	55.8	
77	31.1	25.0	37.4	





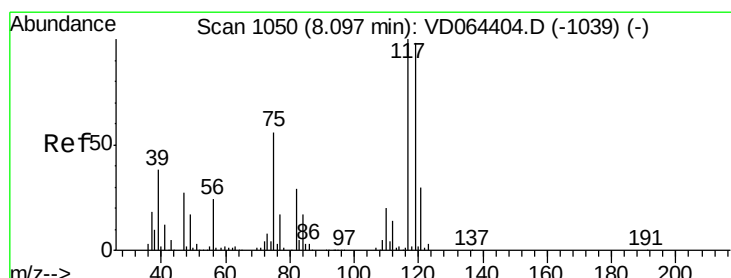
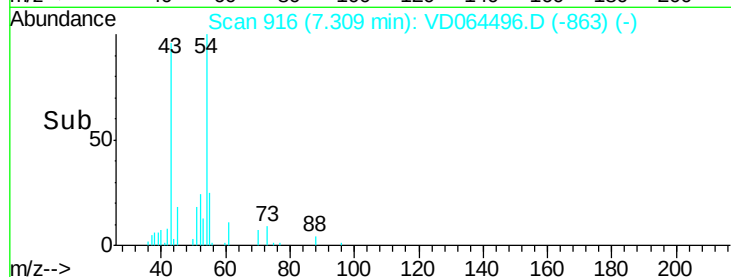
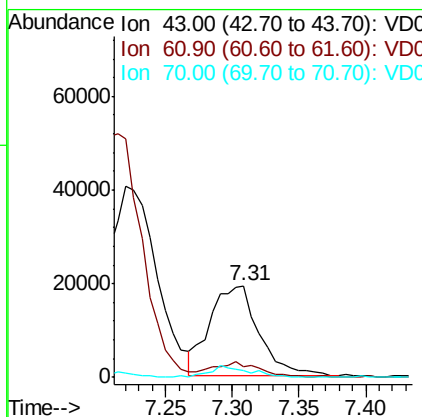
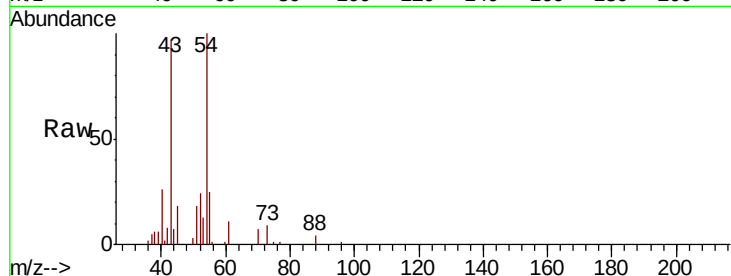
#37
Ethyl Acetate
Concen: 19.280 ug/l
RT: 7.31 min Scan# 916
Delta R.T. 0.01 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.1	10.9	16.3
70	10.8	8.3	12.5

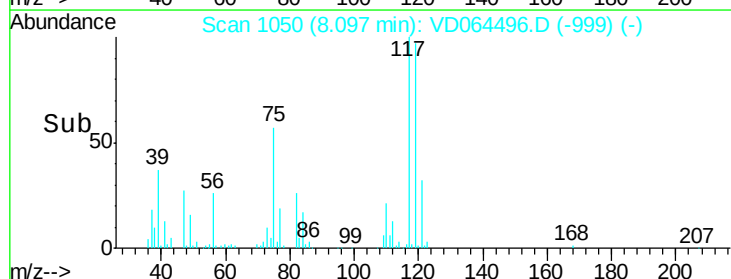
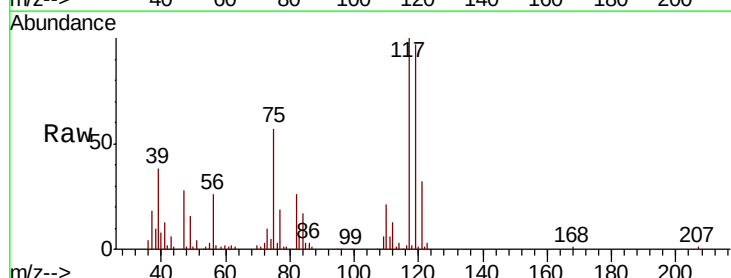
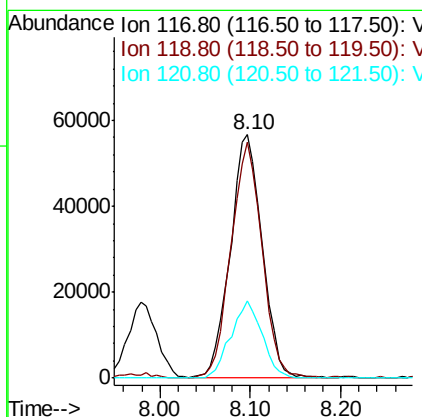
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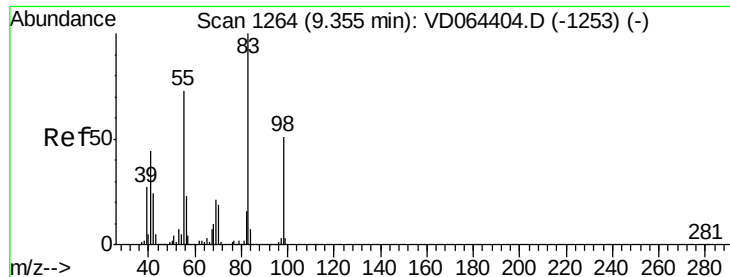
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#38
Carbon Tetrachloride
Concen: 21.883 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	78.8	118.2
121	31.6	24.2	36.2





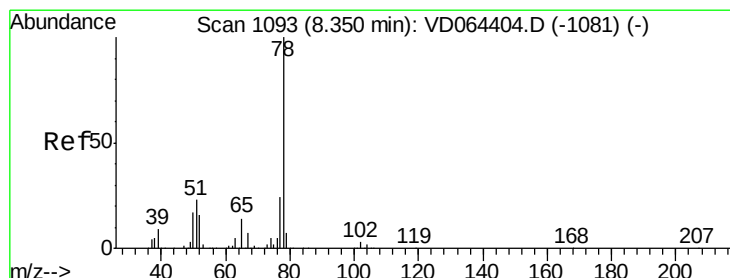
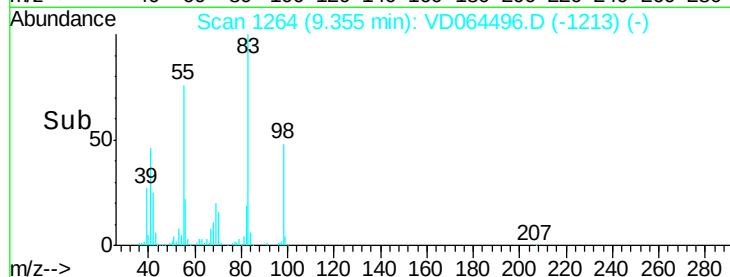
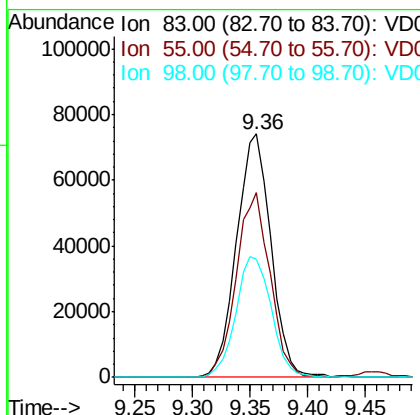
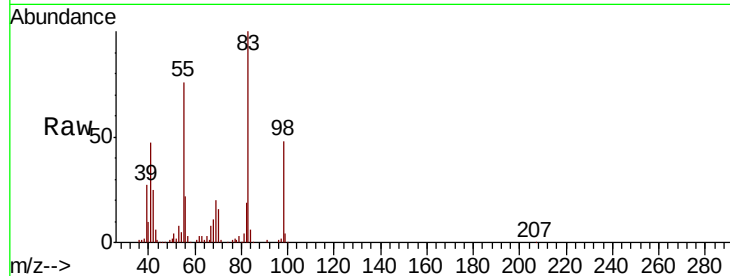
#39
Methylvlcyclohexane
Concen: 20.603 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.9	58.6	87.8
98	48.3	40.9	61.3

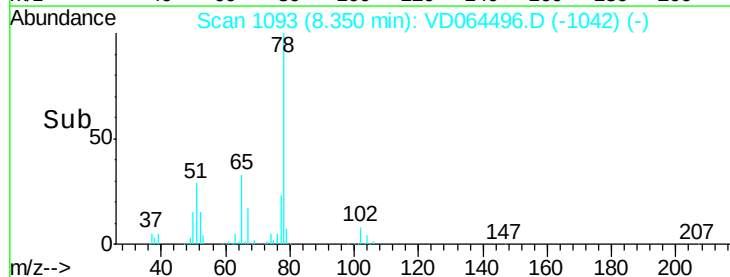
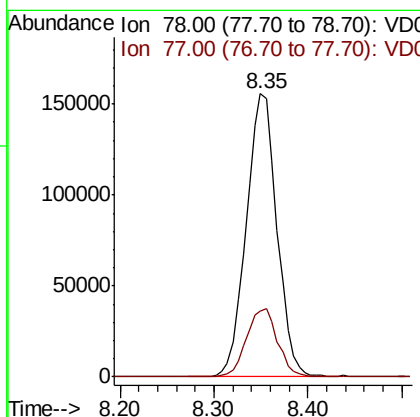
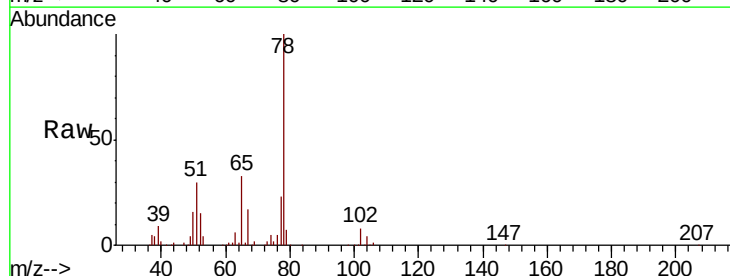
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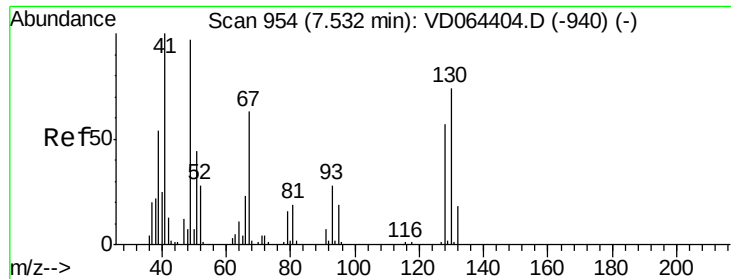
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#40
Benzene
Concen: 21.051 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.6	29.4





#41

Methacrylonitrile

Concen: 20.462 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Instrument :

MSVOA_D

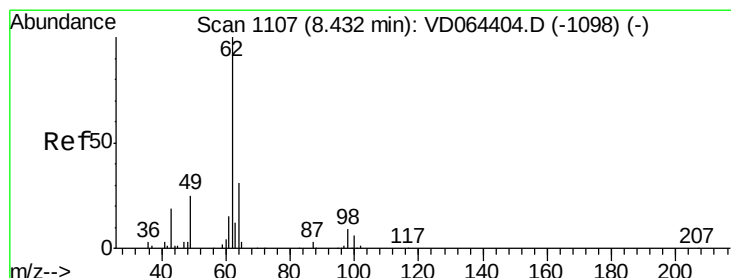
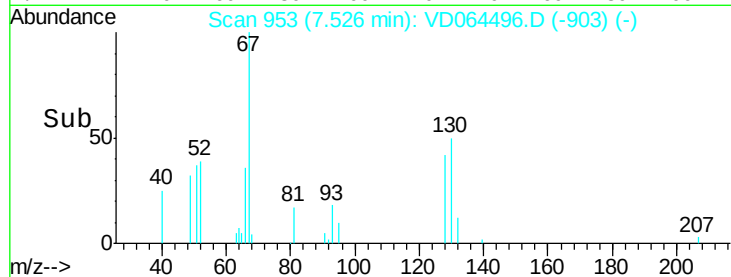
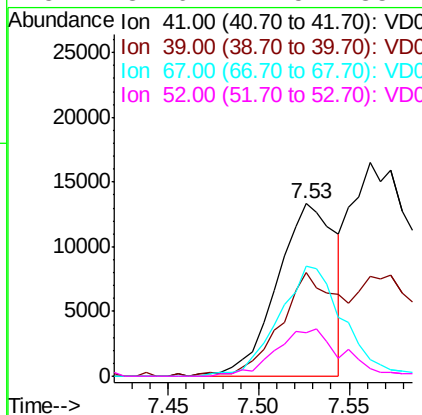
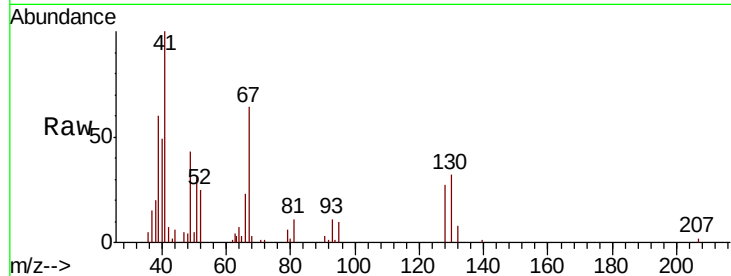
ClientSampleId :

VD1211SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.2	44.6	67.0
67	71.3	50.9	76.3
52	31.6	22.5	33.7

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.760 ug/l

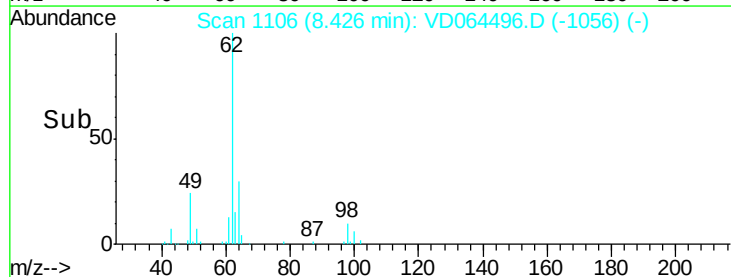
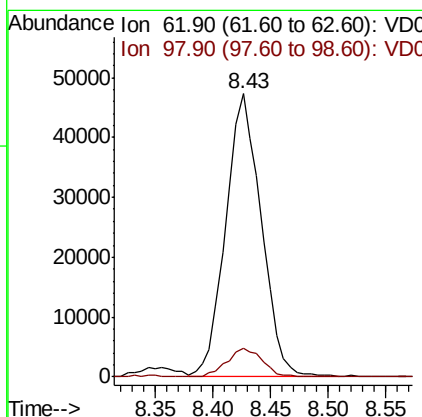
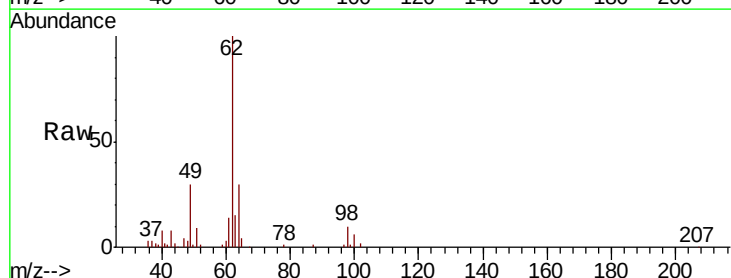
RT: 8.43 min Scan# 1106

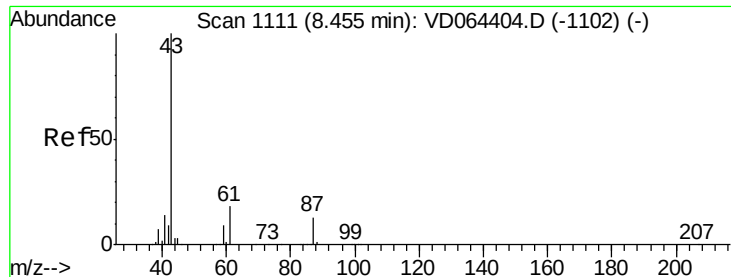
Delta R.T. -0.01 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6





#43

Isopropyl Acetate

Concen: 19.305 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Instrument :

MSVOA_D

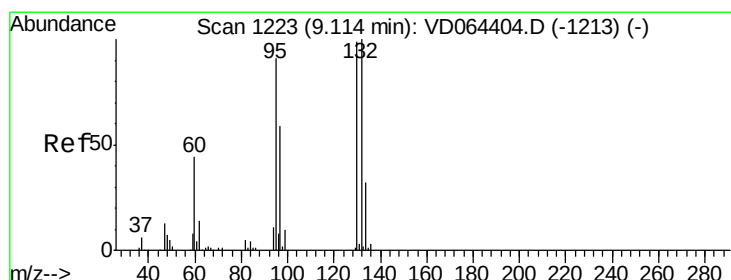
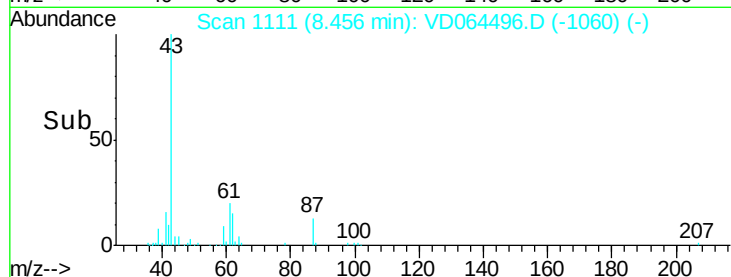
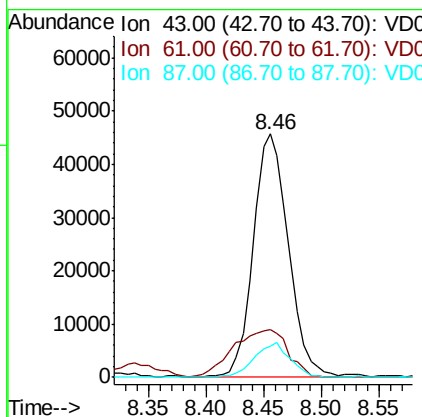
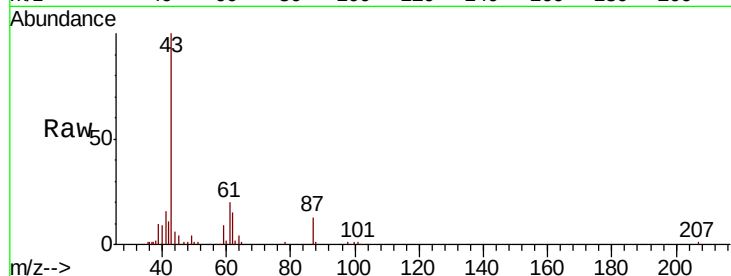
ClientSampleId :

VD1211SBS01

Tot Ion:	43	Resp:	96824
Ion	Ratio	Lower	Upper
43	100		
61	30.9	24.0	36.0
87	14.5	10.6	15.8

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#44

Trichloroethene

Concen: 20.931 ug/l

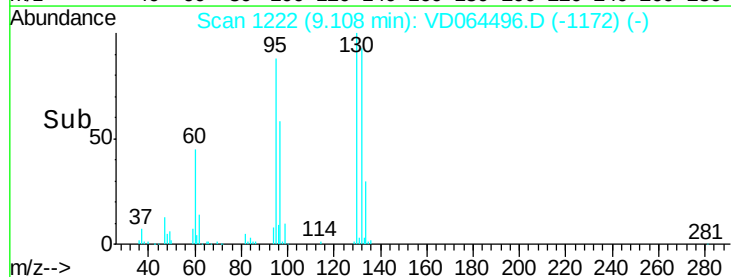
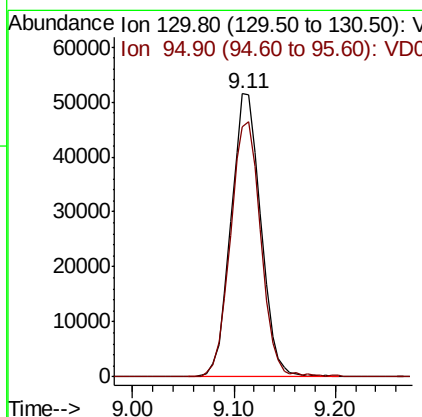
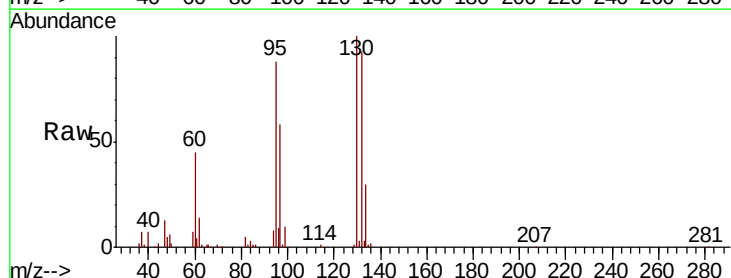
RT: 9.11 min Scan# 1222

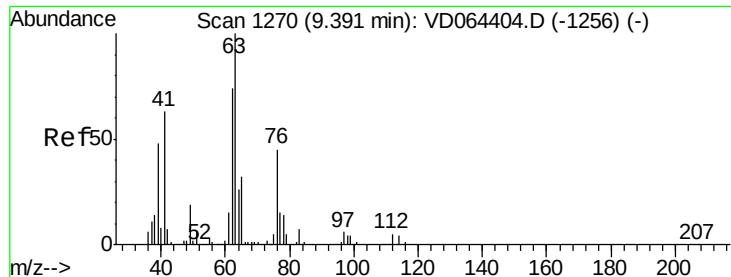
Delta R.T. -0.01 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Tgt Ion:	130	Resp:	105273
Ion	Ratio	Lower	Upper
130	100		
95	88.1	0.0	184.6





#45

1,2-Dichloropropane

Concen: 21.687 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 63 Resp: 86600

Ion Ratio Lower Upper

63 100

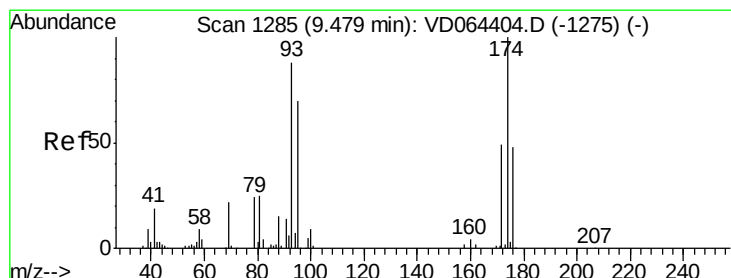
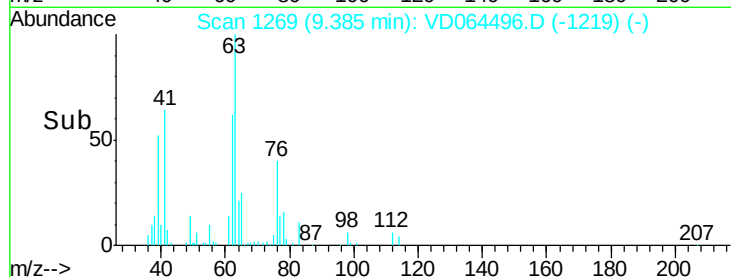
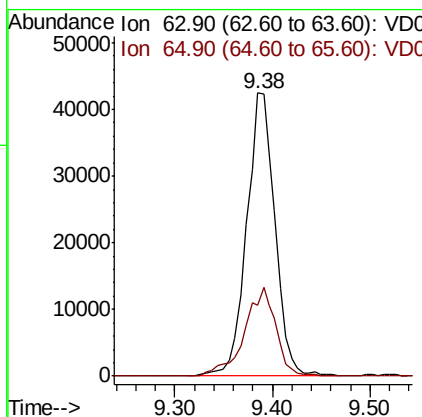
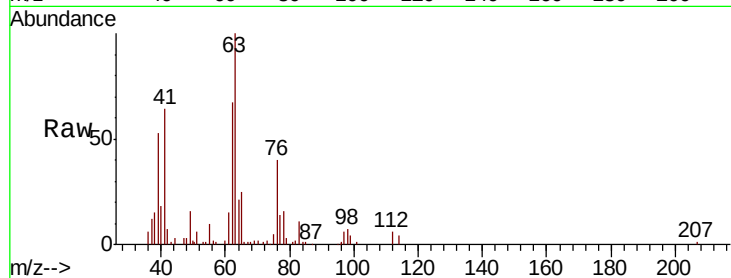
65 24.8 25.4 38.0#

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#46

Dibromomethane

Concen: 20.847 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

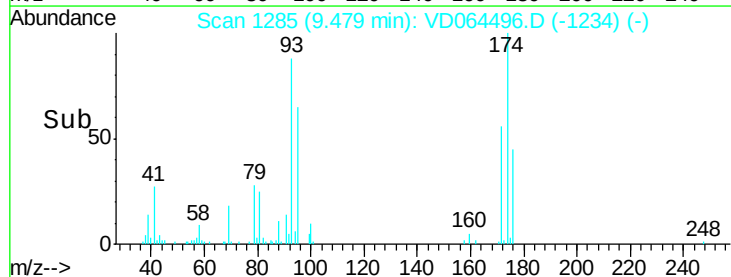
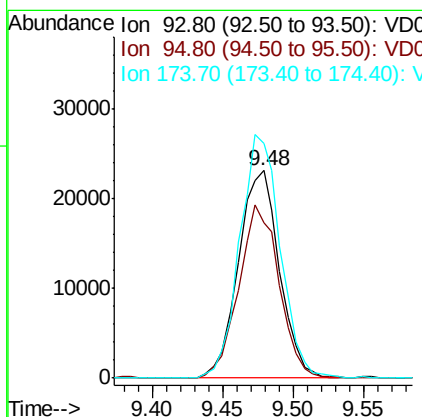
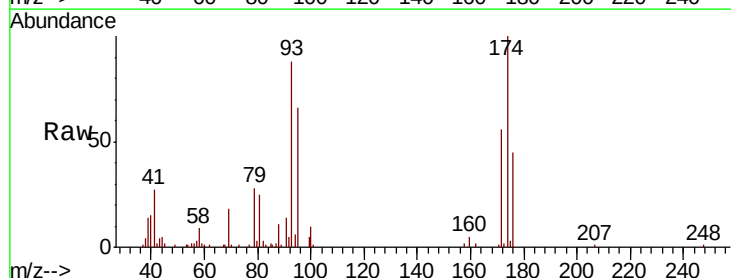
Tgt Ion: 93 Resp: 46984

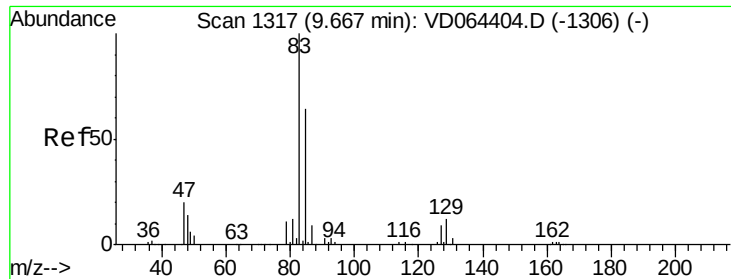
Ion Ratio Lower Upper

93 100

95 82.0 66.7 100.1

174 116.1 92.3 138.5





#47

Bromodichloromethane

Concen: 21.807 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Instrument :

MSVOA_D

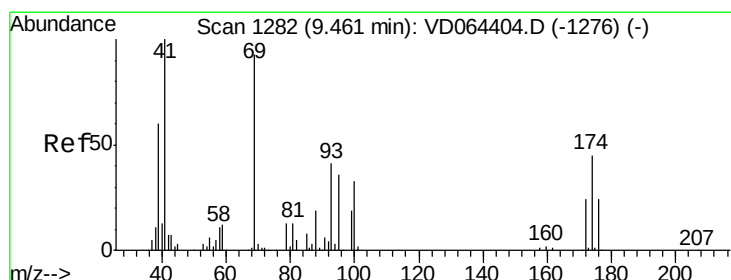
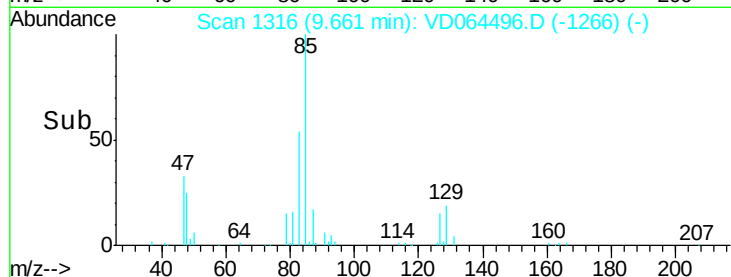
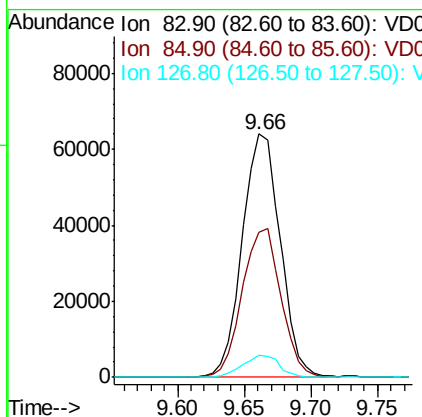
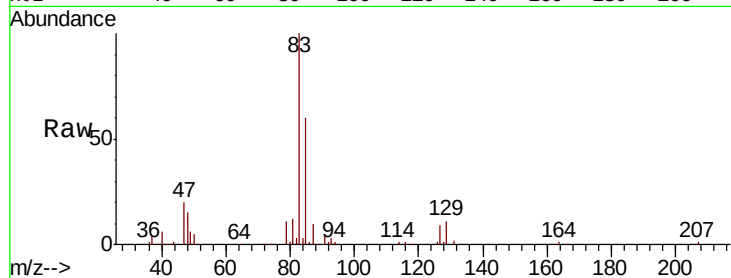
ClientSampleId :

VD1211SBSD01

Tot Ion:	83	Resp:	126285
Ion	Ratio	Lower	Upper
83	100		
85	59.6	51.1	76.7
127	9.1	7.4	11.0

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#48

Methyl methacrylate

Concen: 20.105 ug/l

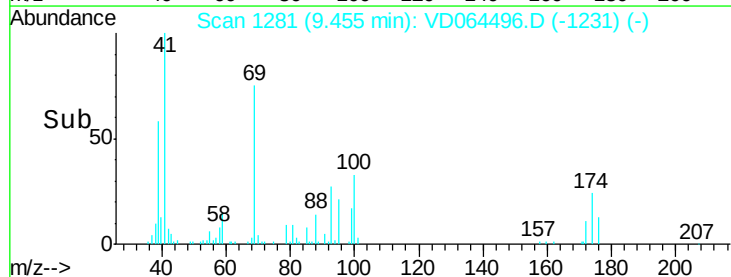
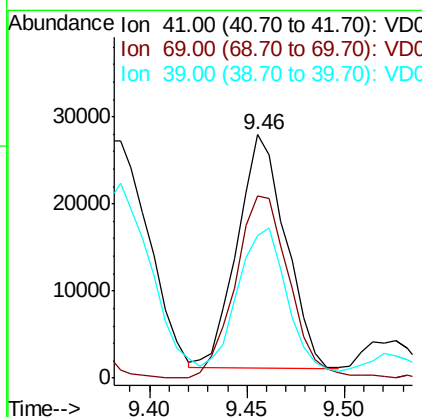
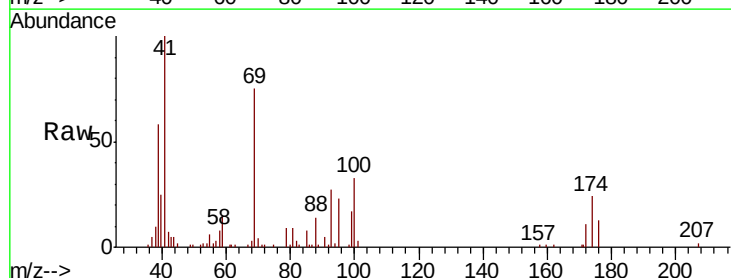
RT: 9.46 min Scan# 1281

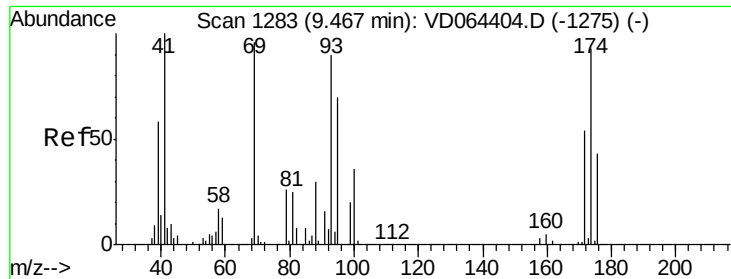
Delta R.T. -0.01 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Tgt Ion:	41	Resp:	46143
Ion	Ratio	Lower	Upper
41	100		
69	86.9	72.0	108.0
39	60.8	55.2	82.8





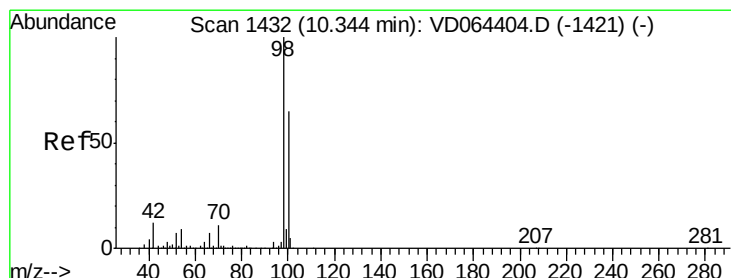
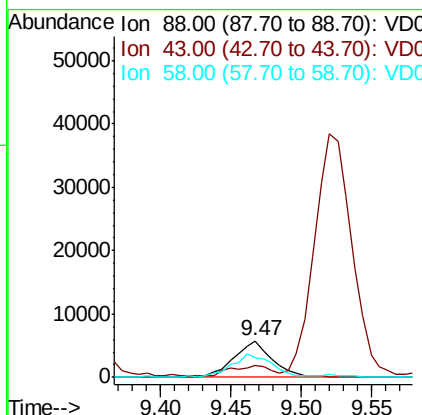
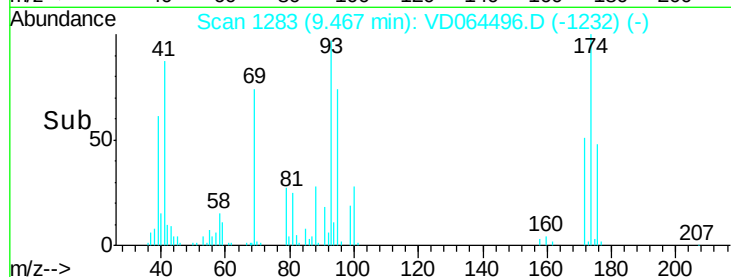
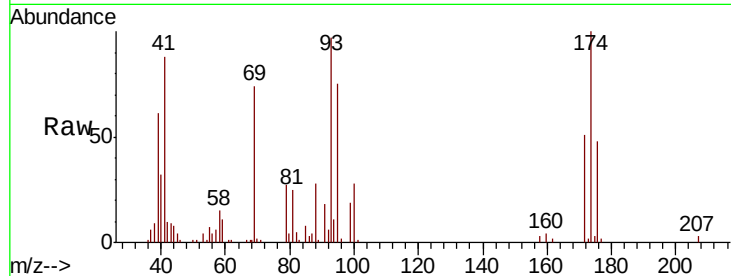
#49
1,4-Dioxane
Concen: 389.602 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBSD01

Tot Ion	88	Resp	10843
Ion	Ratio	Lower	Upper
88	100		
43	29.7	26.7	40.1
58	69.3	52.3	78.5

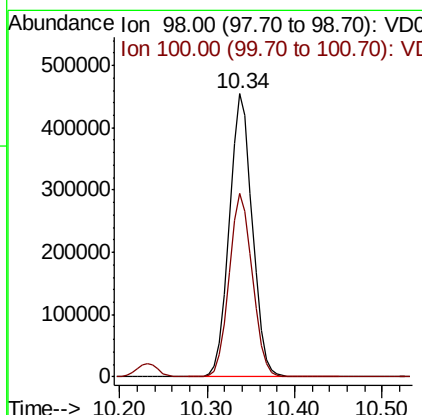
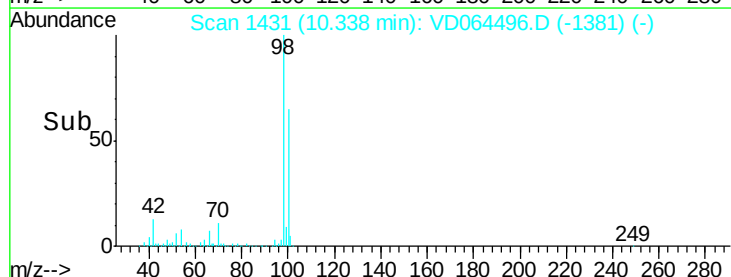
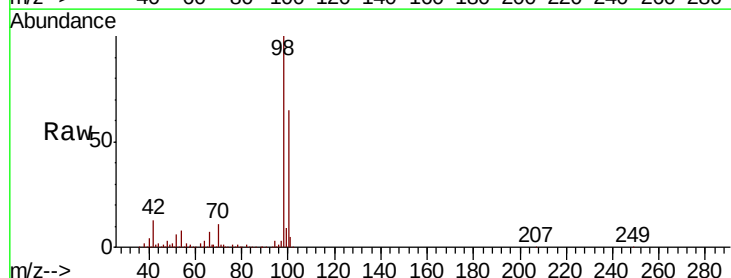
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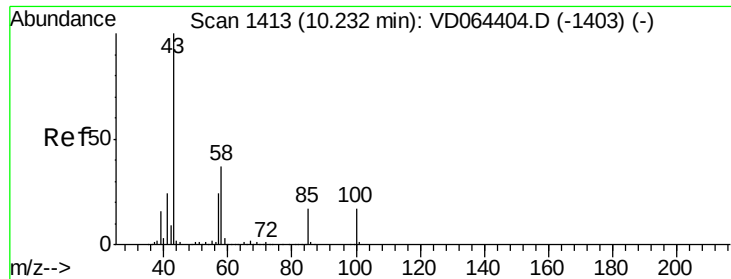
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#50
Toluene-d8
Concen: 53.952 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Tgt Ion	98	Resp	813830
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 98.471 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 43 Resp: 244371

Ion Ratio Lower Upper

43 100

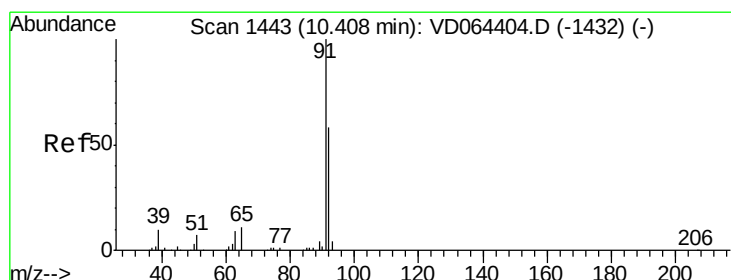
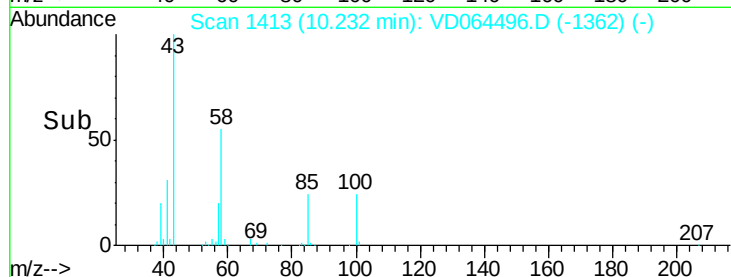
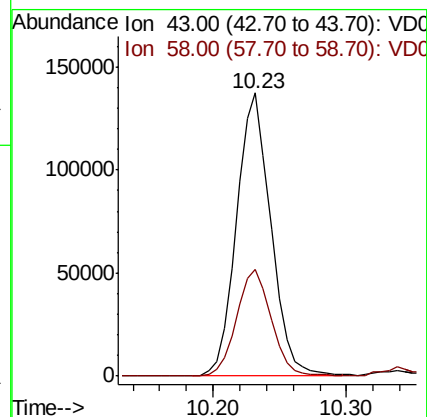
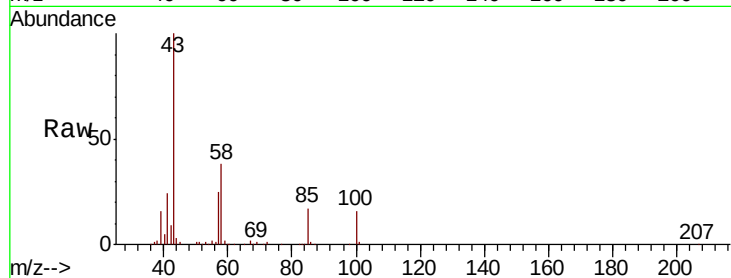
58 38.1 30.6 46.0

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#52

Toluene

Concen: 21.378 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064496.D

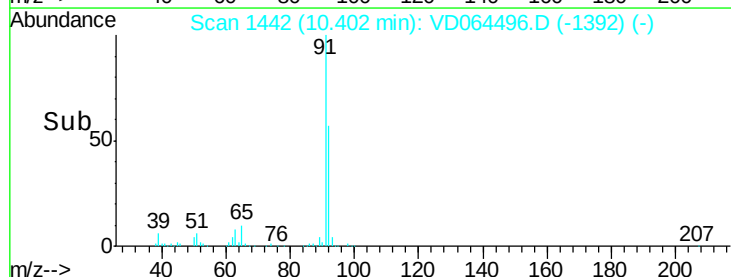
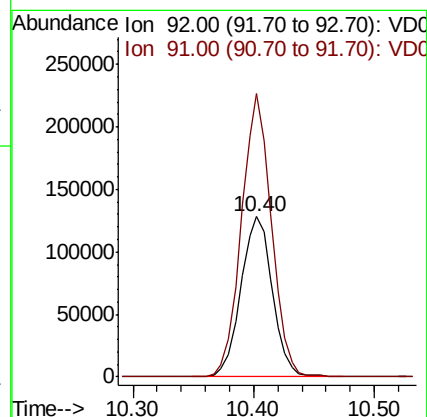
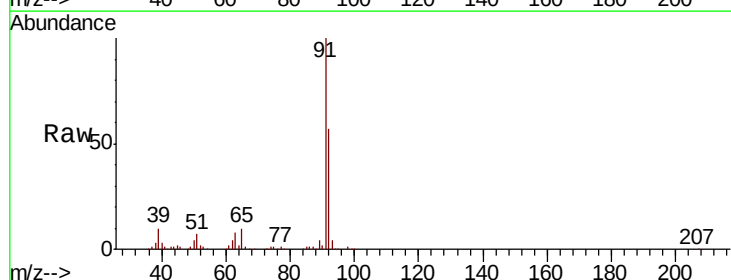
Acq: 11 Dec 2019 12:53

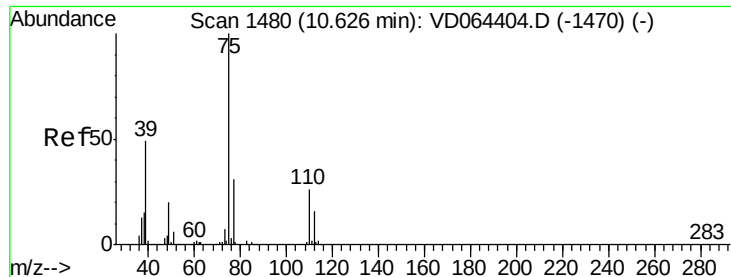
Tgt Ion: 92 Resp: 232627

Ion Ratio Lower Upper

92 100

91 168.8 137.8 206.6





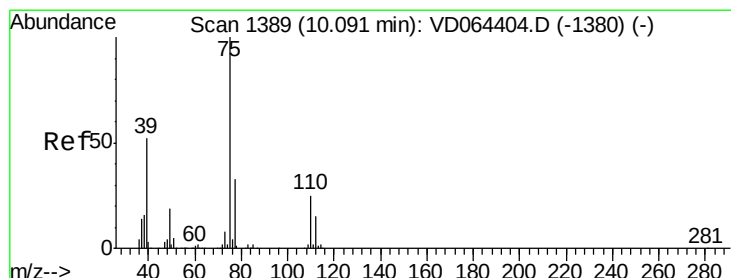
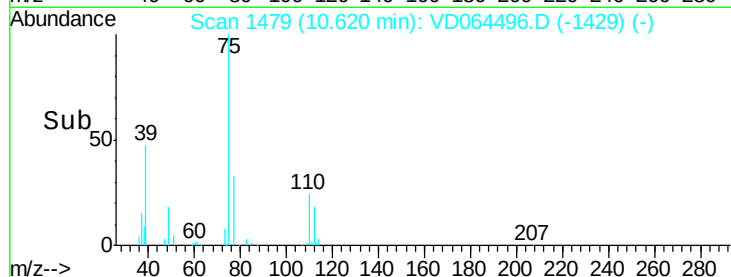
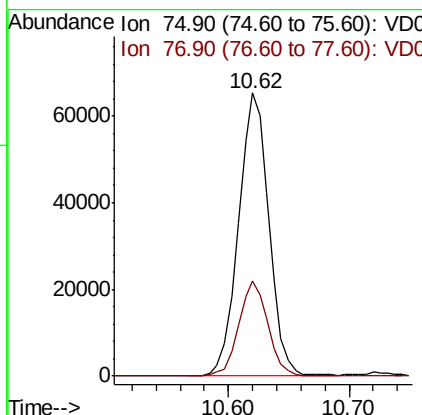
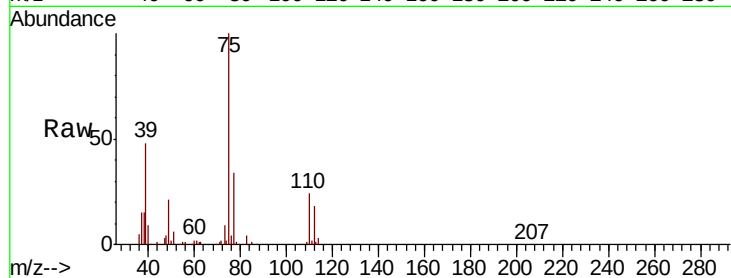
#53
t-1,3-Dichloropropene
Concen: 20.744 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.7	25.0	37.4

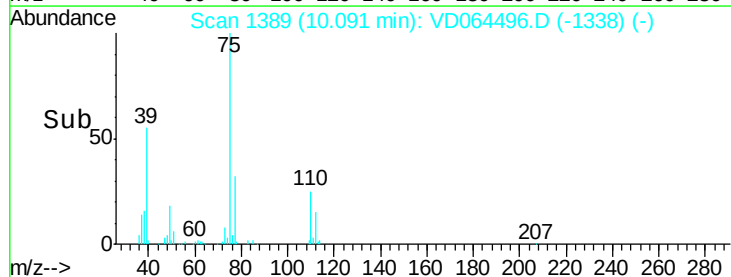
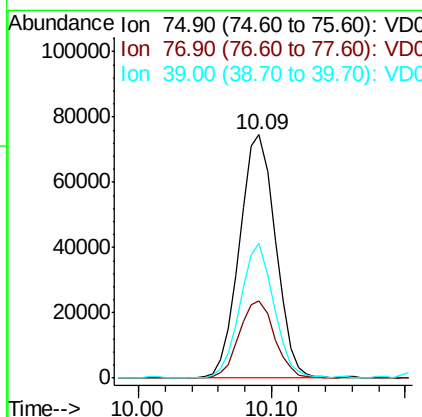
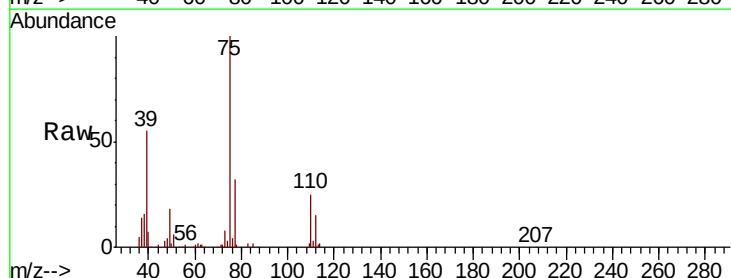
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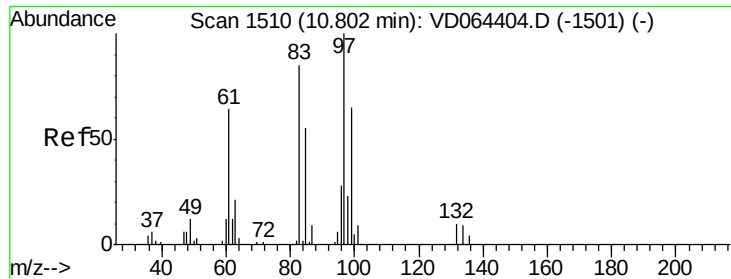
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#54
cis-1,3-Dichloropropene
Concen: 21.333 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.1	39.1
39	55.2	41.5	62.3





#55

1,1,2-Trichloroethane

Concen: 20.325 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 97 Resp: 62725

Ion Ratio Lower Upper

97 100

83 80.4 67.8 101.8

85 54.5 43.7 65.5

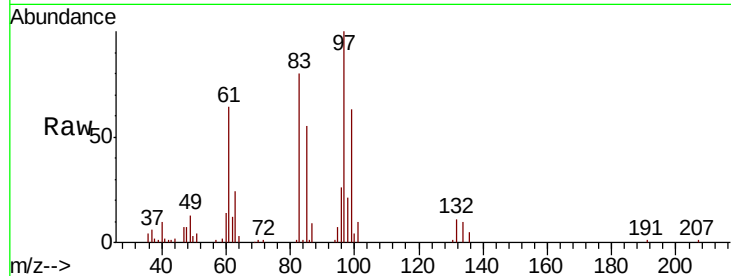
99 62.5 51.7 77.5

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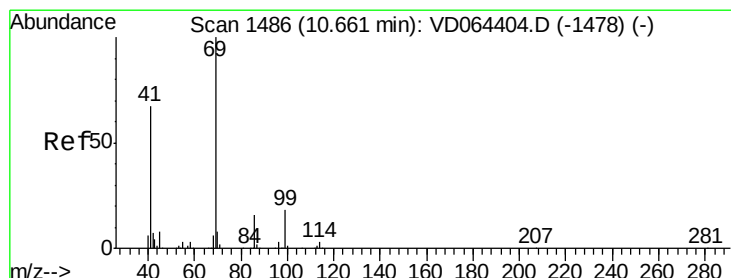
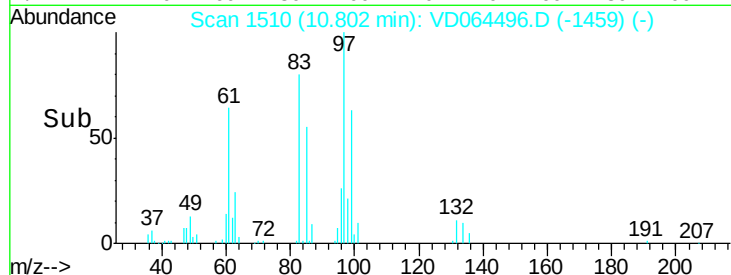
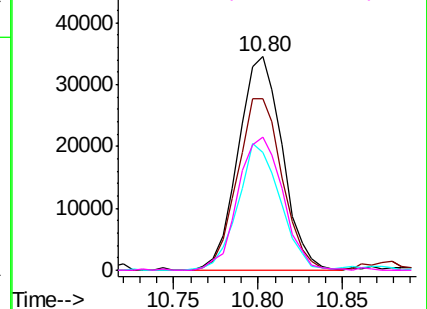
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 20.010 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

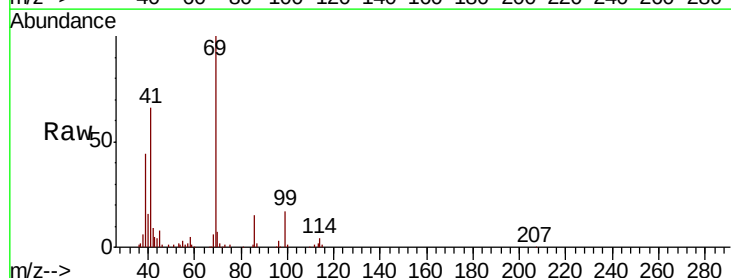
Tgt Ion: 69 Resp: 78761

Ion Ratio Lower Upper

69 100

41 67.1 55.0 82.4

39 41.6 33.0 49.6

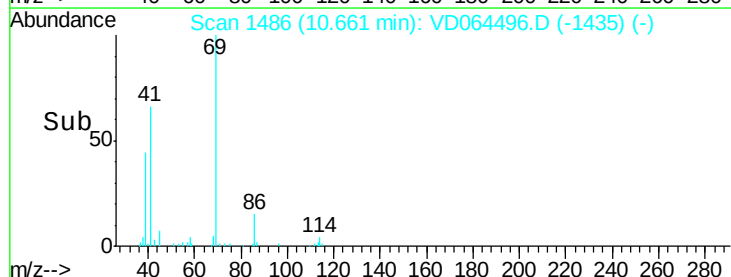
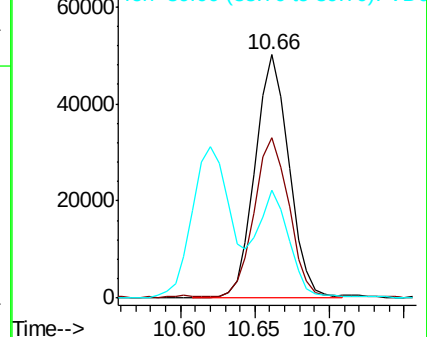


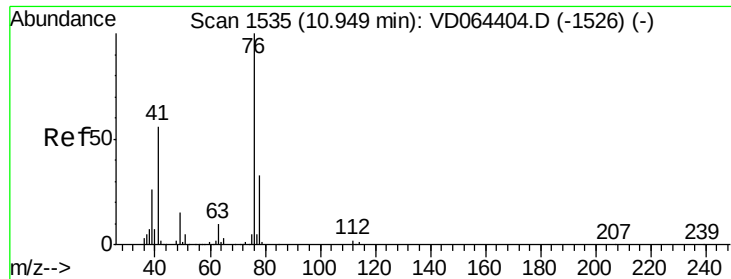
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





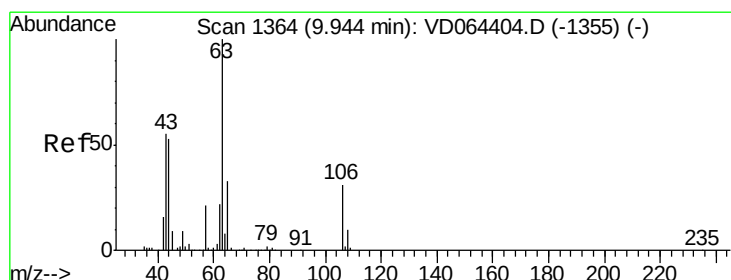
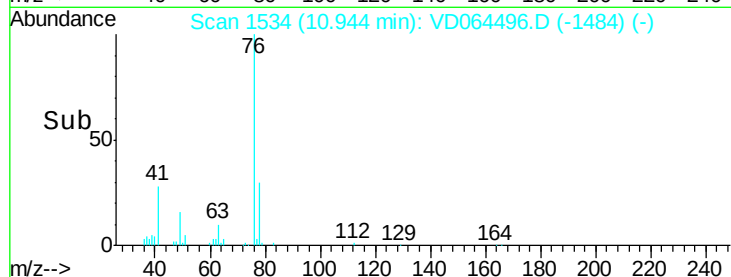
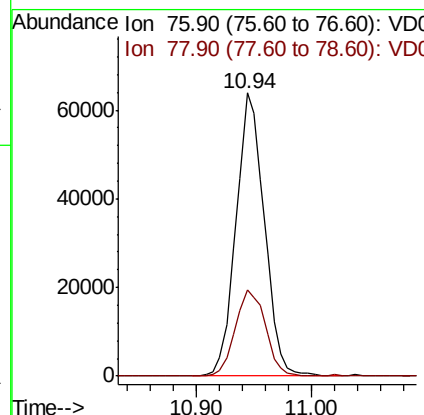
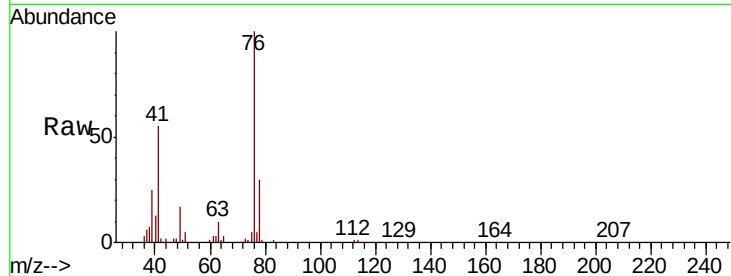
#57
 1,3-Dichloropropane
 Concen: 20.668 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD064496.D
 Acq: 11 Dec 2019 12:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBSD01

Tot Ion: 76 Resp: 108574
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.0 39.0

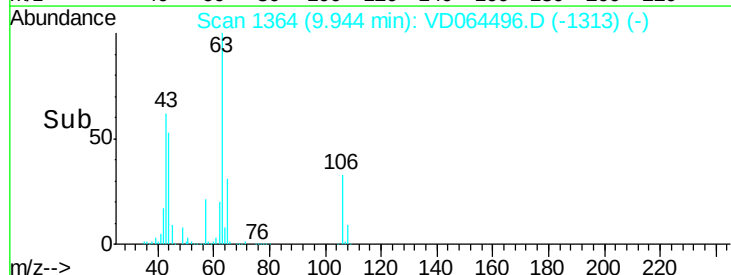
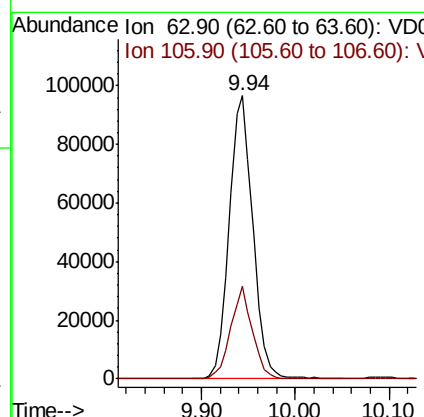
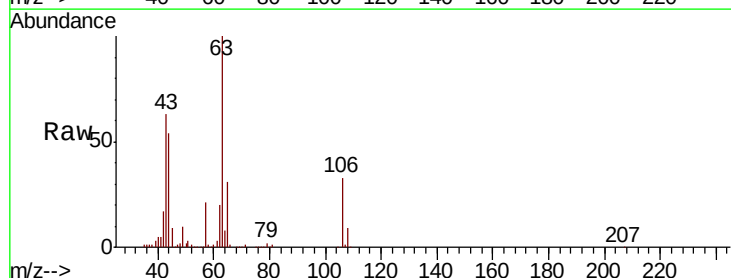
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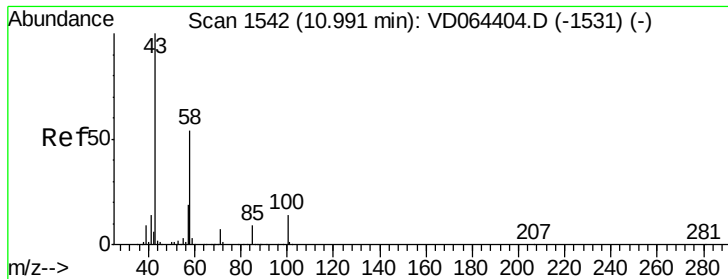
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#58
 2-Chloroethyl Vinyl ether
 Concen: 107.024 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064496.D
 Acq: 11 Dec 2019 12:53

Tgt Ion: 63 Resp: 167929
 Ion Ratio Lower Upper
 63 100
 106 30.2 24.2 36.4





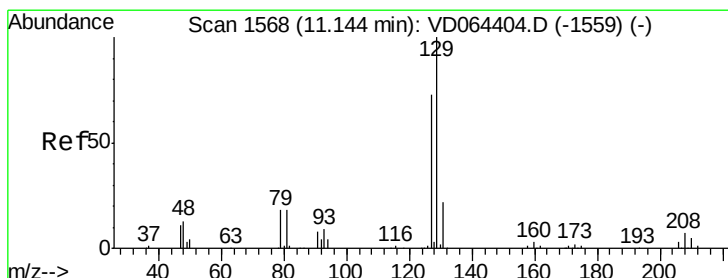
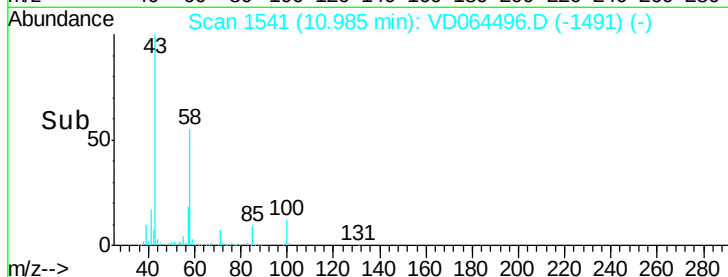
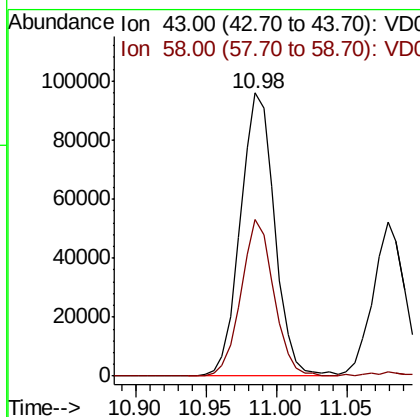
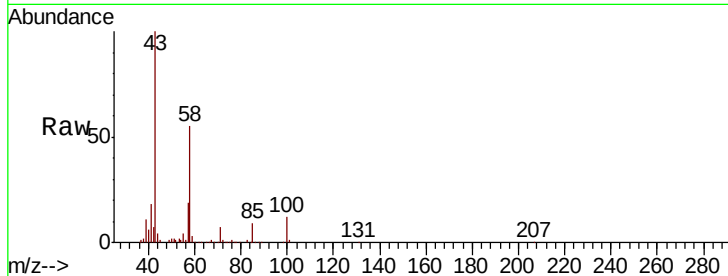
#59
2-Hexanone
Concen: 94.955 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBSD01

Tot Ion: 43 Resp: 163512
Ion Ratio Lower Upper
43 100
58 52.8 26.3 78.8

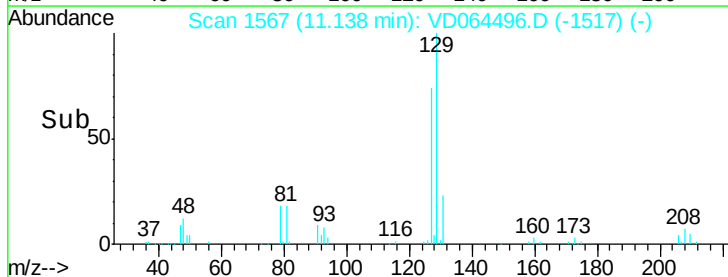
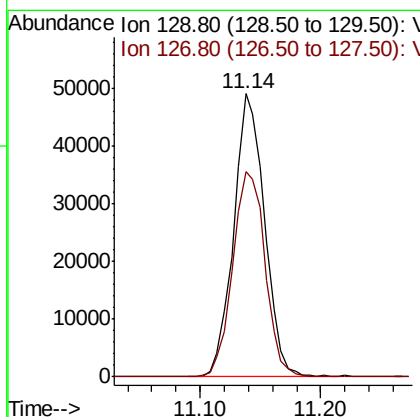
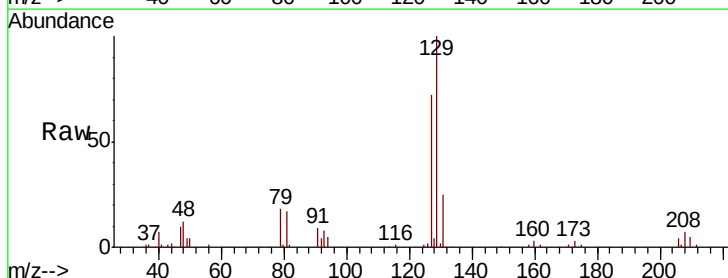
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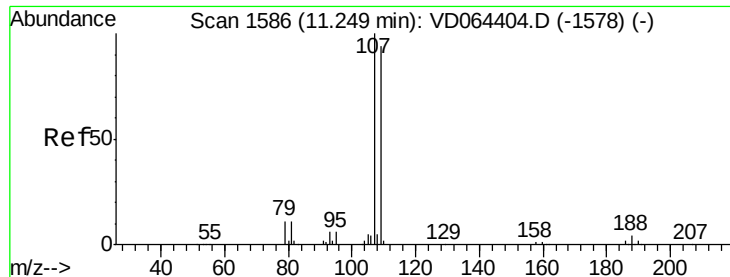
apatel
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#60
Dibromochloromethane
Concen: 20.926 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Tgt Ion: 129 Resp: 87560
Ion Ratio Lower Upper
129 100
127 75.8 38.1 114.3





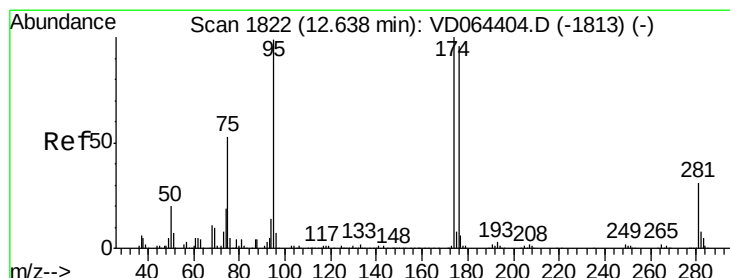
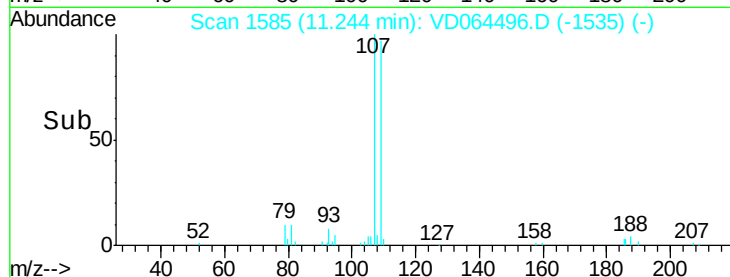
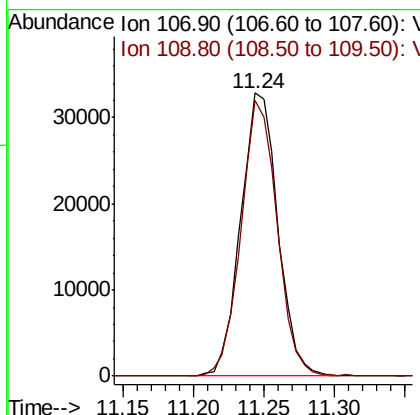
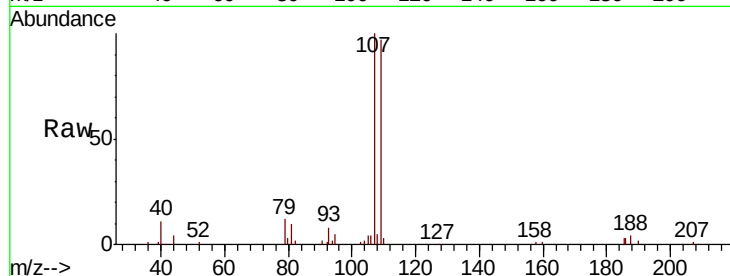
#61
 1,2-Dibromoethane
 Concen: 19.673 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD064496.D
 Acq: 11 Dec 2019 12:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	76.2	114.2

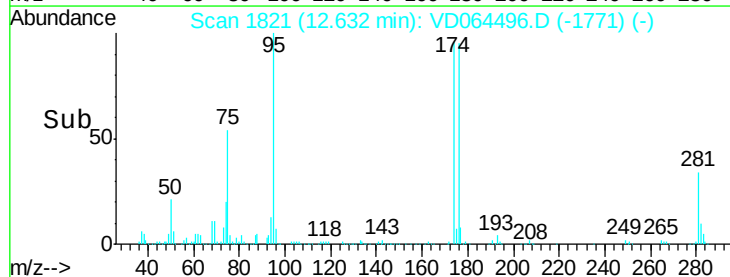
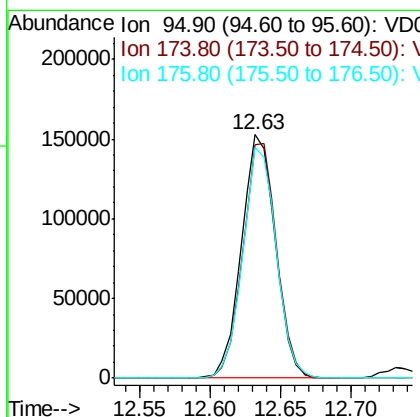
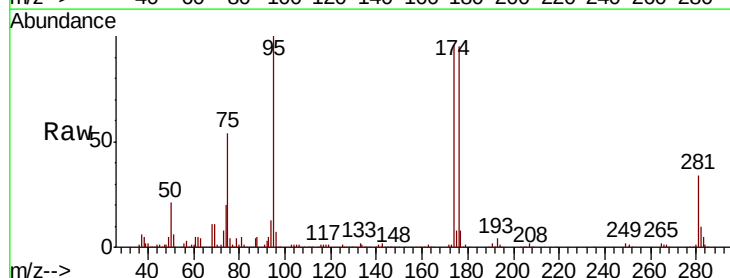
Manual Integrations
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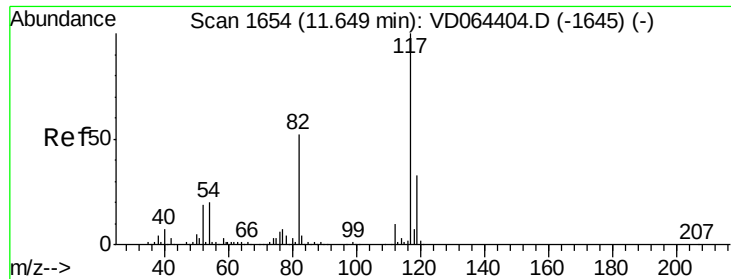
apatel
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#62
 4-Bromofluorobenzene
 Concen: 52.965 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD064496.D
 Acq: 11 Dec 2019 12:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.5	0.0	197.2
176	94.0	0.0	189.6





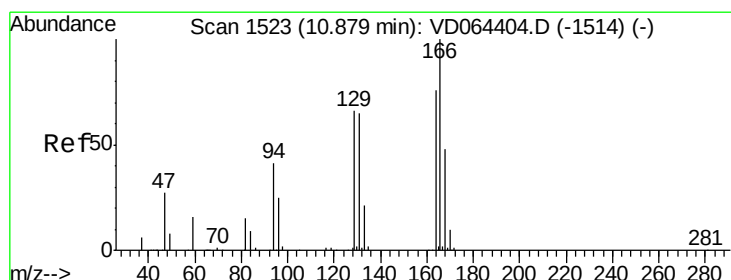
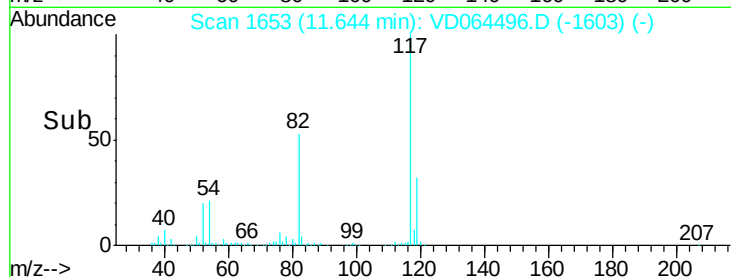
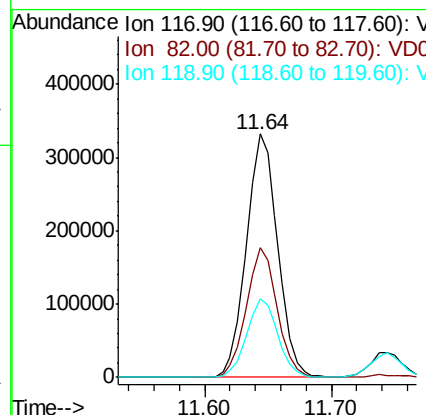
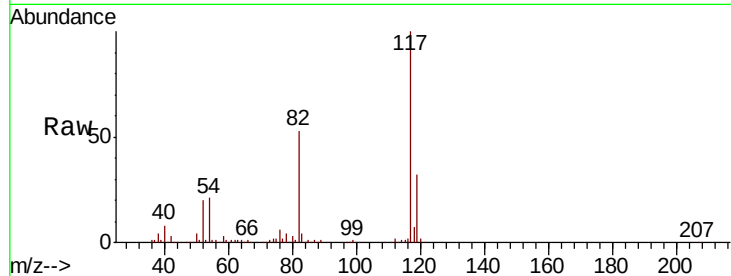
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	569423		
82	53.5		41.4	62.2
119	32.4		26.2	39.2

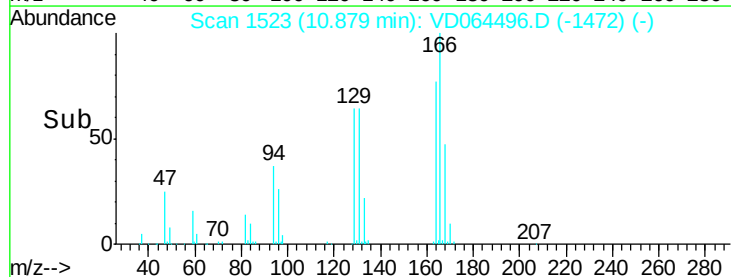
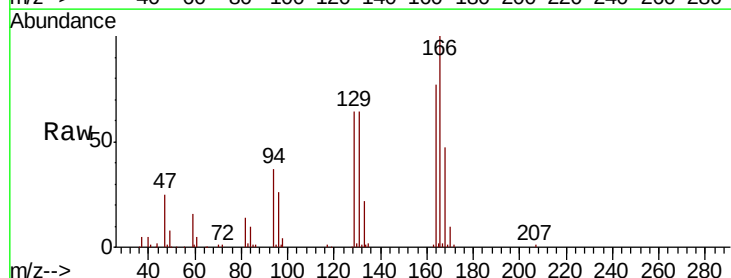
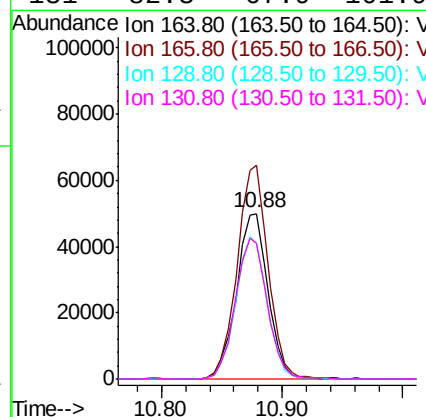
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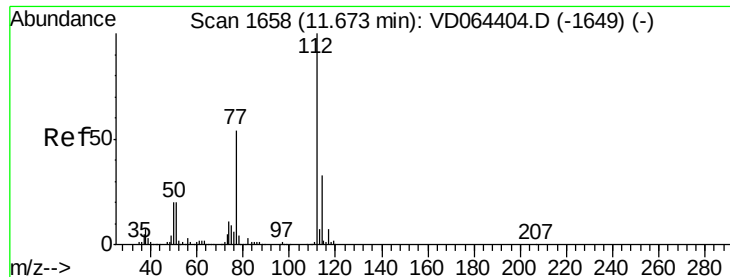
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#64
Tetrachloroethene
Concen: 20.908 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	90789		
166	129.1		104.8	157.2
129	82.3		68.7	103.1
131	82.3		67.9	101.9





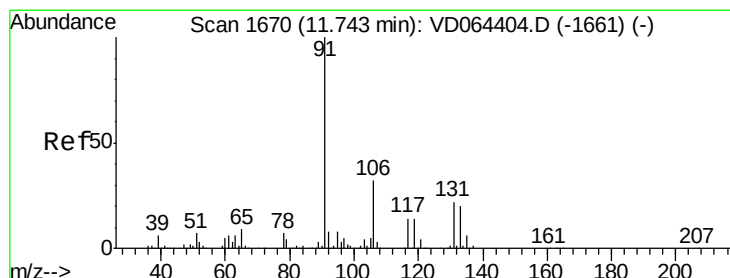
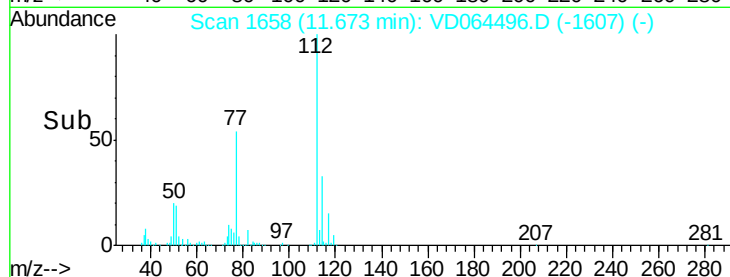
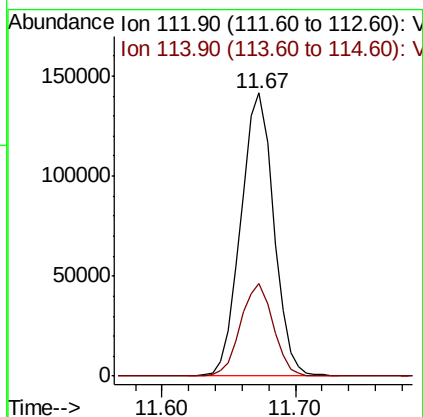
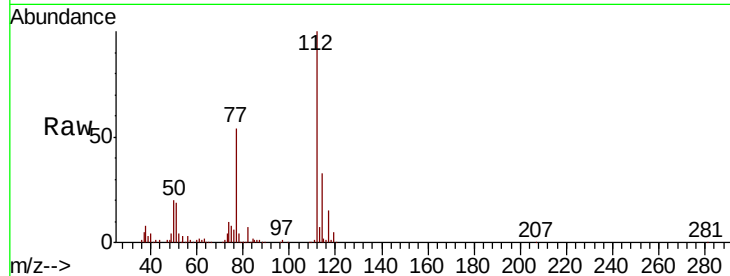
#65
Chlorobenzene
Concen: 20.358 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	26.5	39.7

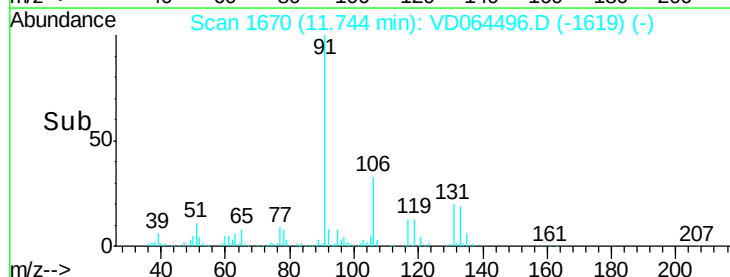
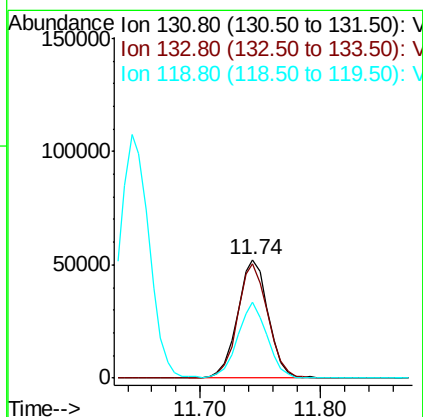
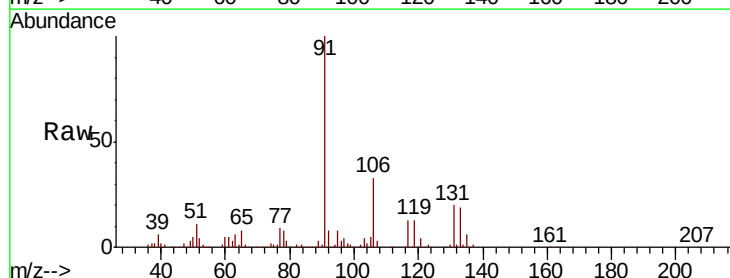
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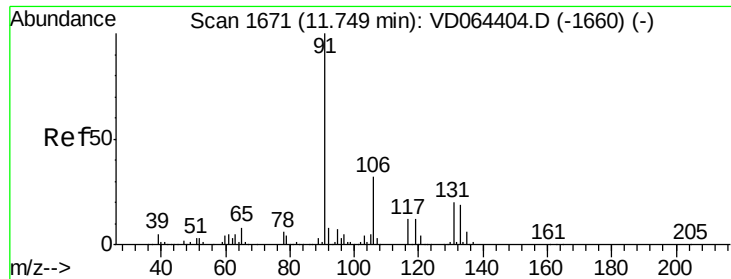
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.046 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.3	144.9
119	61.6	31.9	95.9





#67

Ethyl Benzene

Concen: 20.528 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Instrument :

MSVOA_D

ClientSampleID :

VD1211SBS01

Tot Ion: 91 Resp: 433770

Ion Ratio Lower Upper

91 100

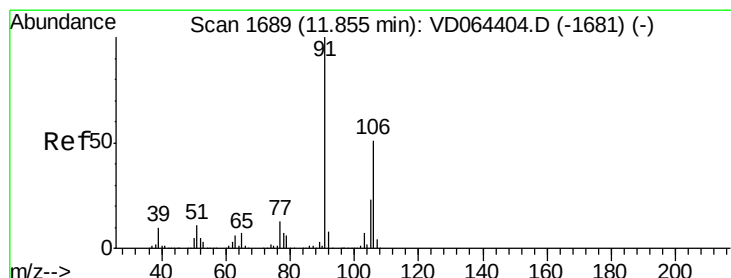
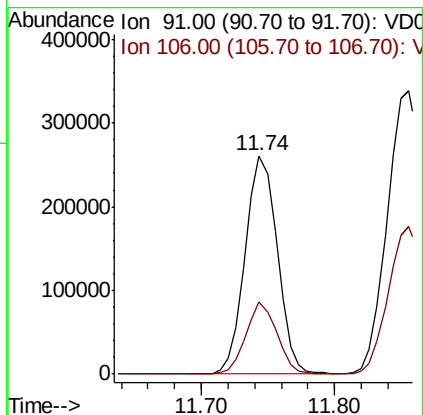
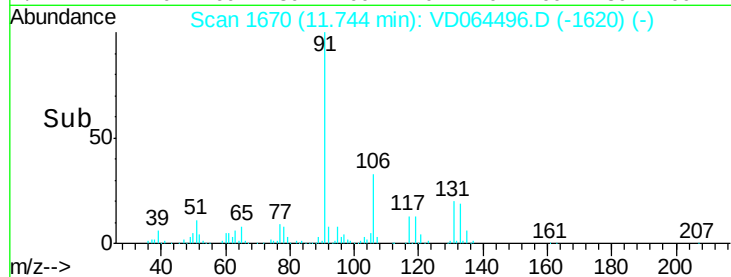
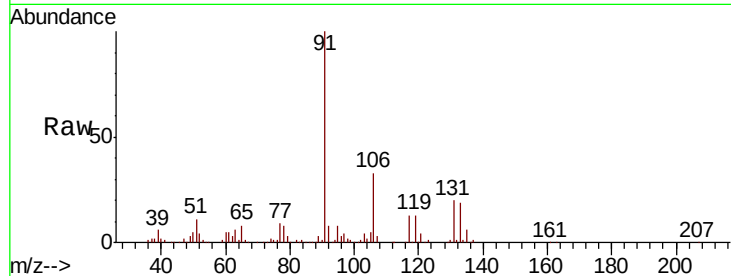
106 33.0 25.8 38.8

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#68

m/p-Xylenes

Concen: 41.708 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064496.D

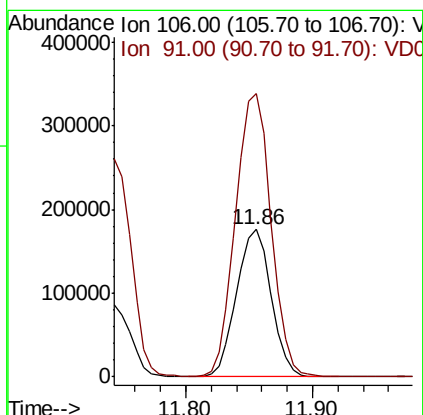
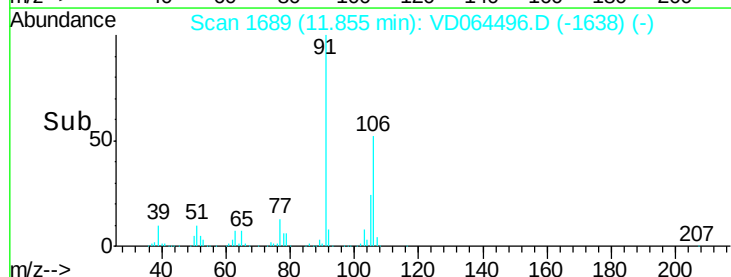
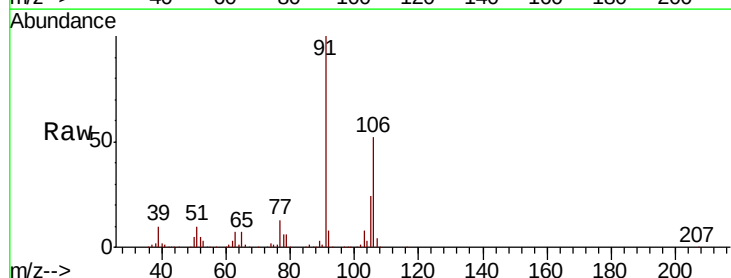
Acq: 11 Dec 2019 12:53

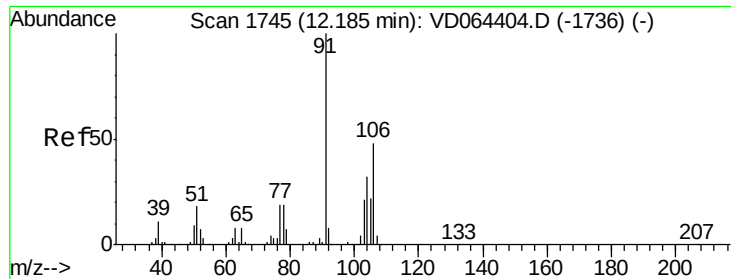
Tgt Ion: 106 Resp: 336036

Ion Ratio Lower Upper

106 100

91 196.8 157.4 236.2





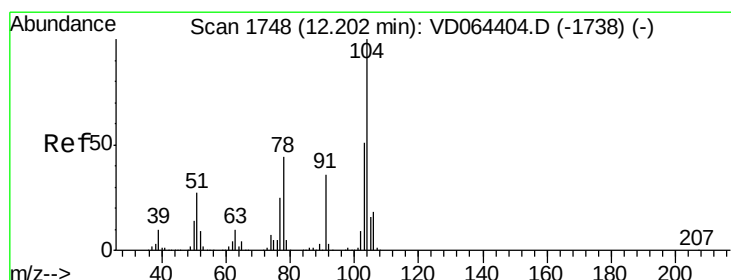
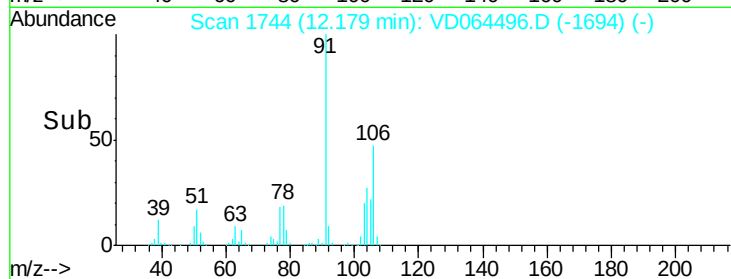
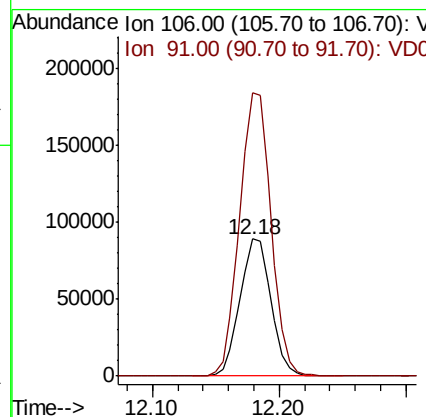
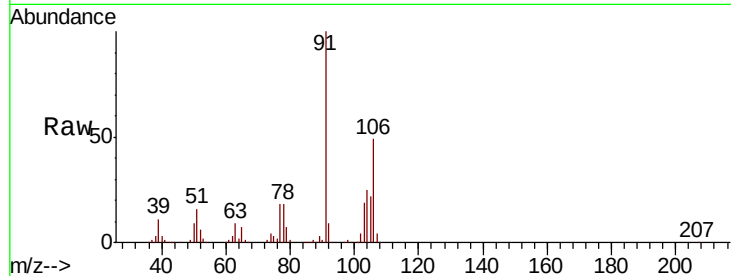
#69
o-Xylene
Concen: 20.370 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.2	103.8	311.4

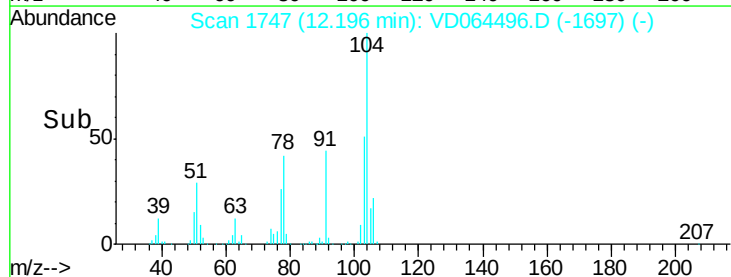
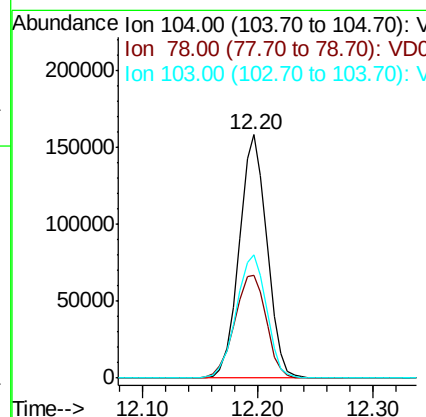
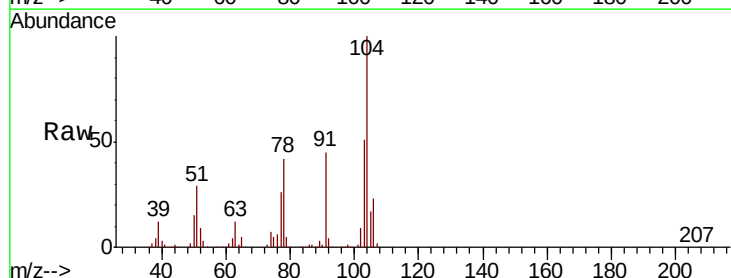
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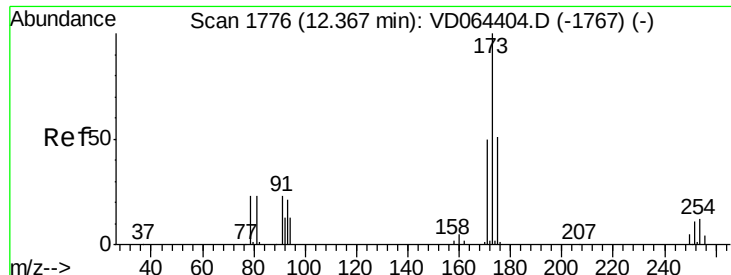
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#70
Styrene
Concen: 20.402 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.3	38.8	58.2
103	55.2	44.2	66.4





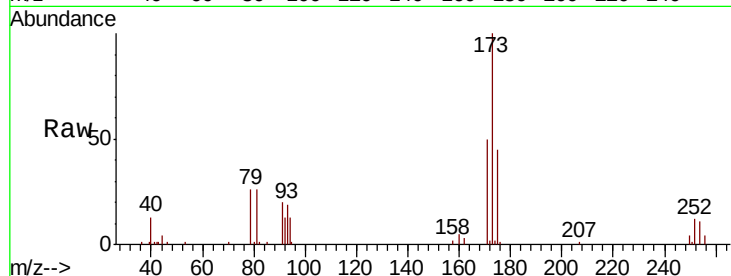
#71
Bromoform
Concen: 19.989 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBSD01

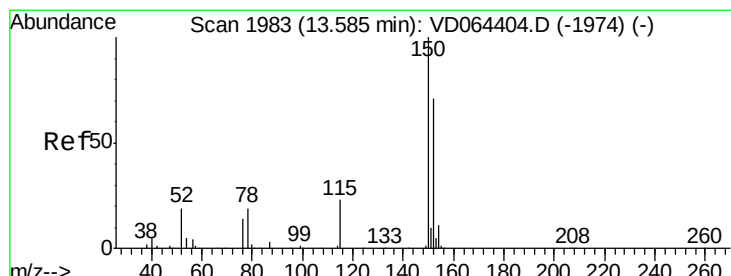
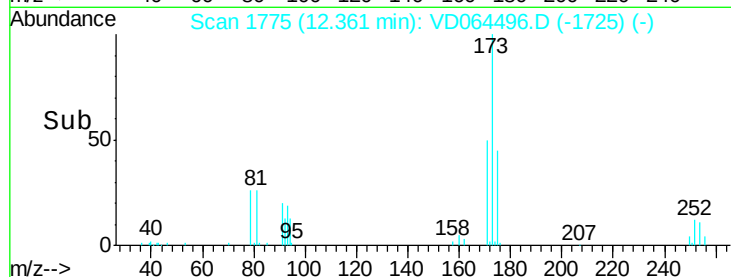
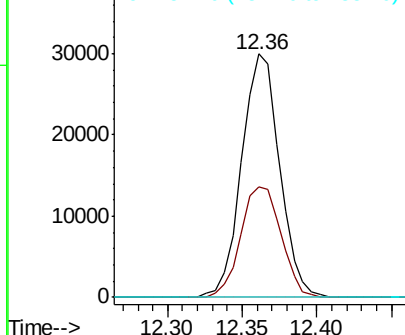
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	25.3	75.8
254	0.0	0.0	0.0

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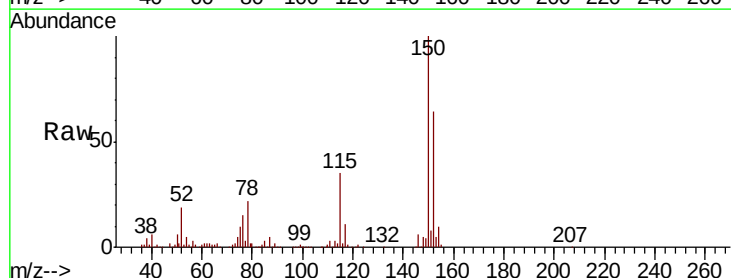


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

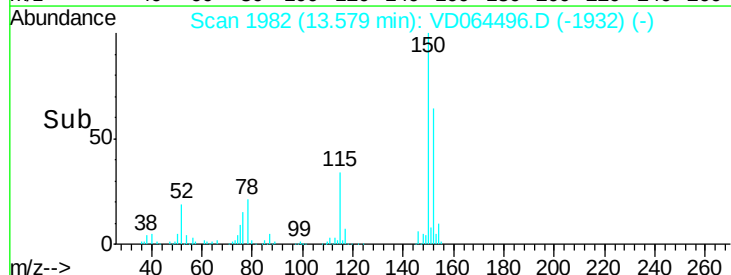
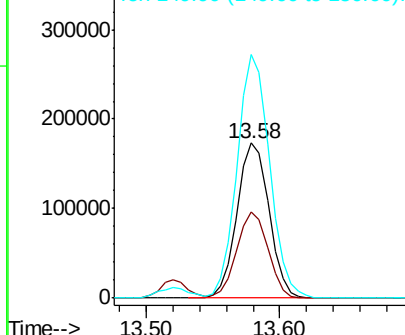


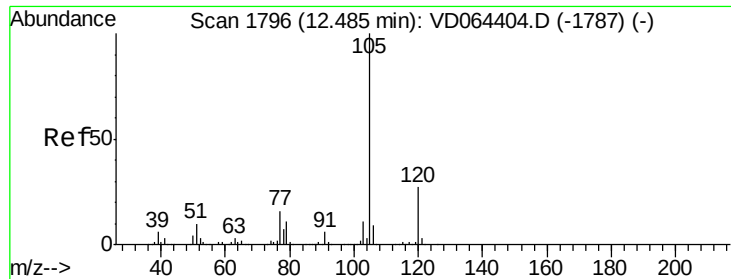
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	26.7	80.1
150	160.2	0.0	347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.314 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.01 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion:105 Resp: 419854

Ion Ratio Lower Upper

105 100

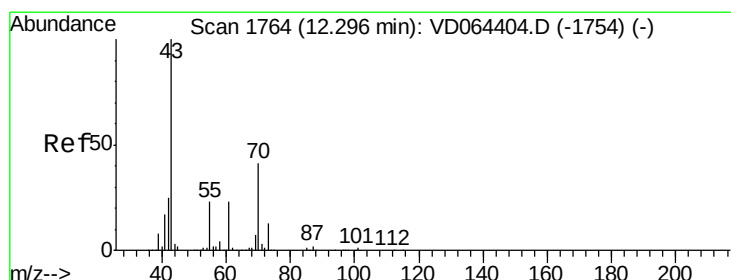
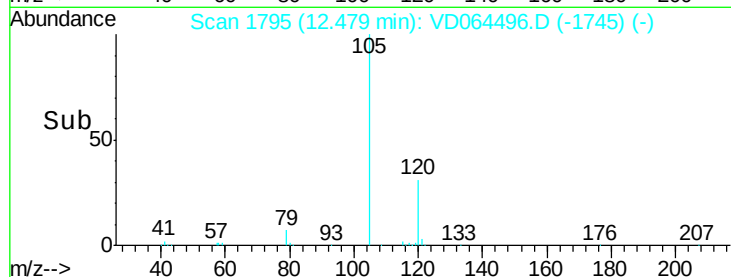
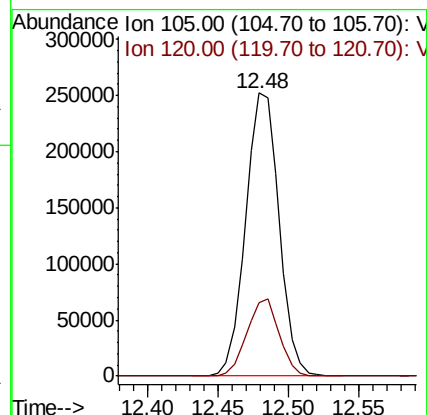
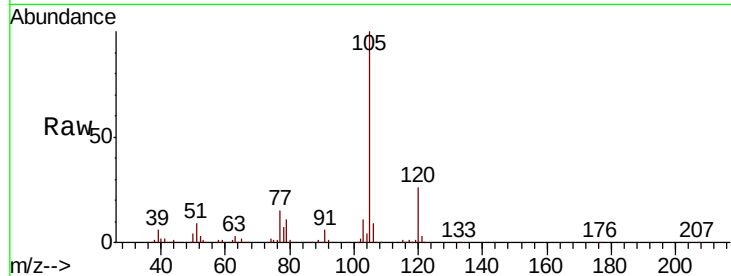
120 26.4 13.4 40.2

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#74

N-ethyl acetate

Concen: 18.494 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Tgt Ion: 43 Resp: 86756

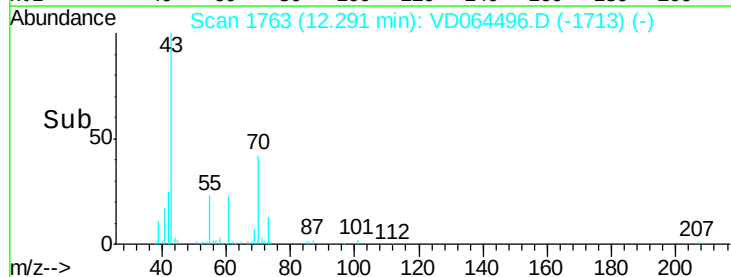
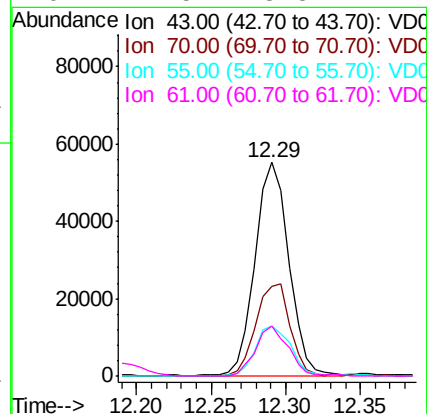
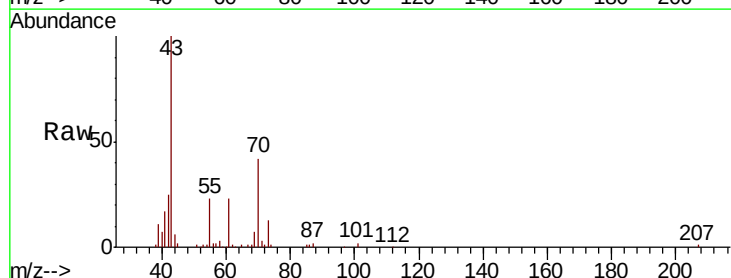
Ion Ratio Lower Upper

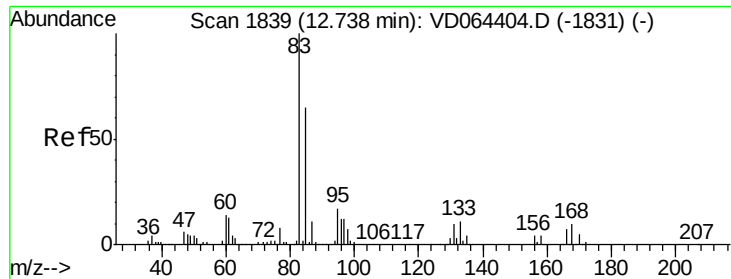
43 100

70 43.4 33.4 50.2

55 24.5 18.9 28.3

61 22.5 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.573 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Instrument :

MSVOA_D

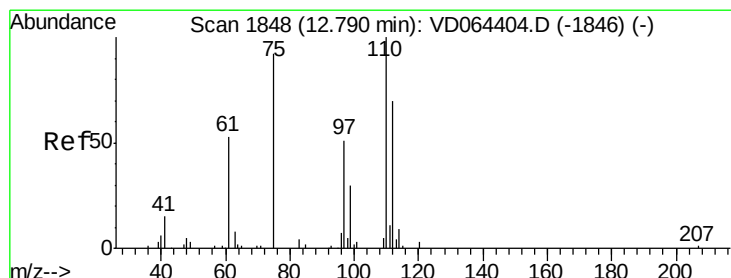
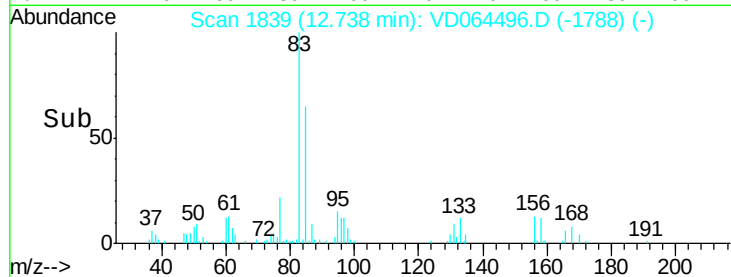
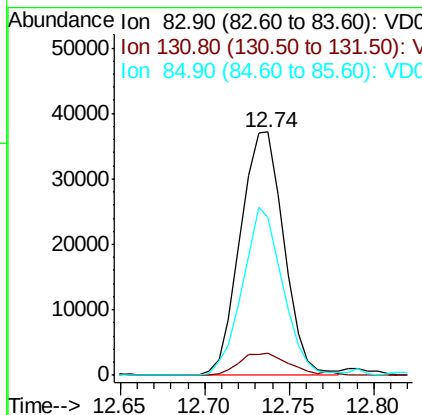
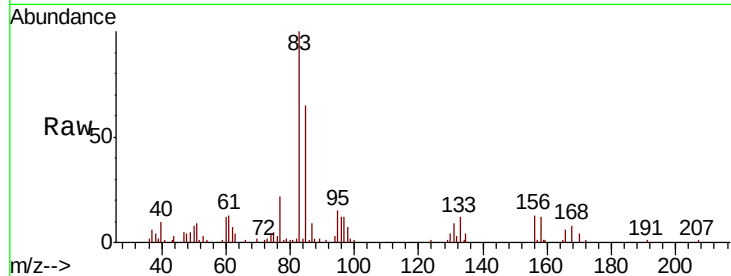
ClientSampleId :

VD1211SBS01

Tot Ion:	83	Resp:	66900
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.7	17.0
85	63.6	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 19.735 ug/l m

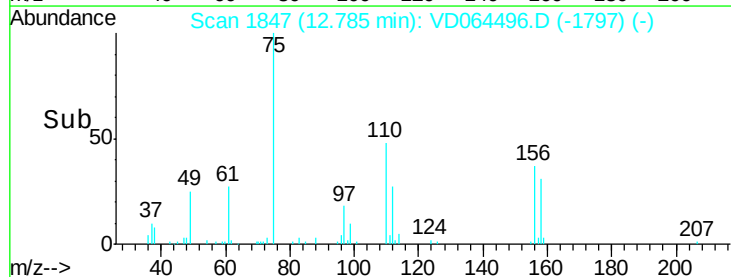
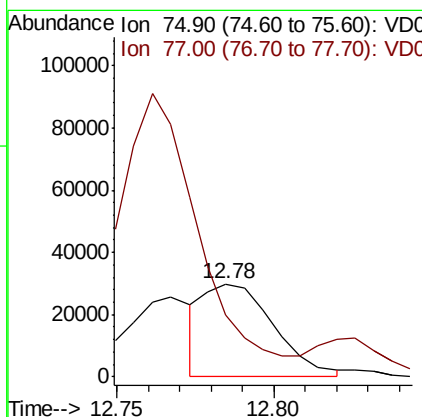
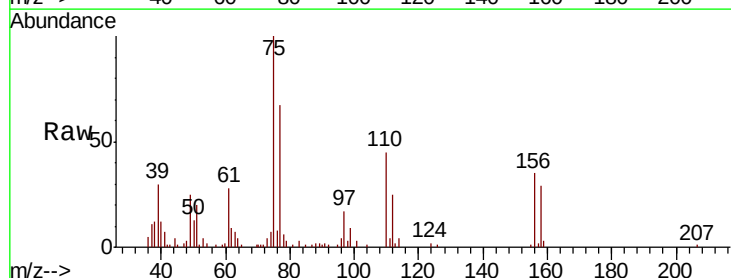
RT: 12.78 min Scan# 1847

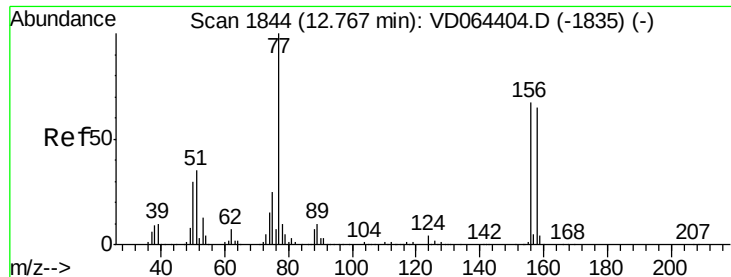
Delta R.T. -0.01 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Tgt Ion:	75	Resp:	46640
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.360 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Instrument :

MSVOA_D

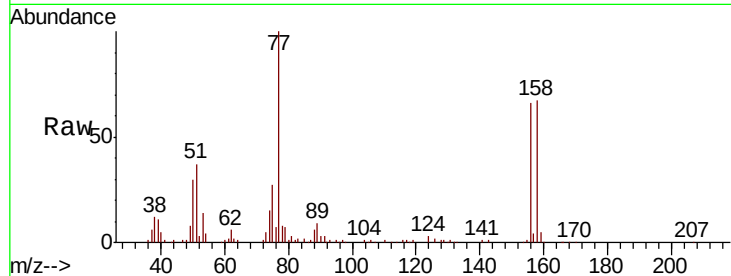
ClientSampleId :

VD1211SBSD01

Tot Ion:	156	Resp:	103920
Ion Ratio	Lower	Upper	
156	100		
77	161.7	80.0	240.2
158	99.5	48.9	146.6

Manual Integrations
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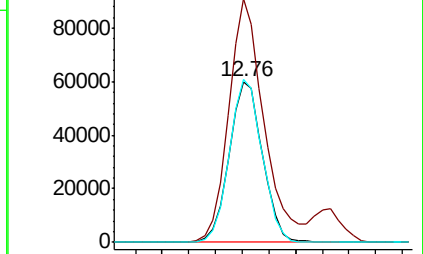
apatel
12/12/2019 10:29:06 AM



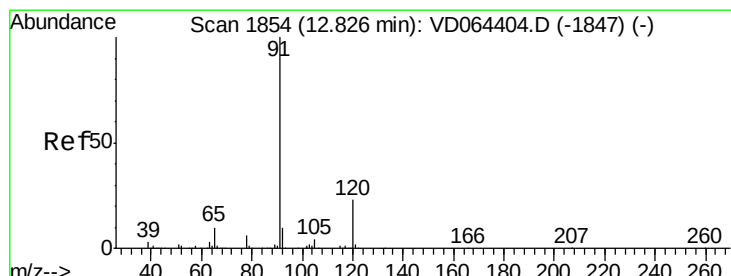
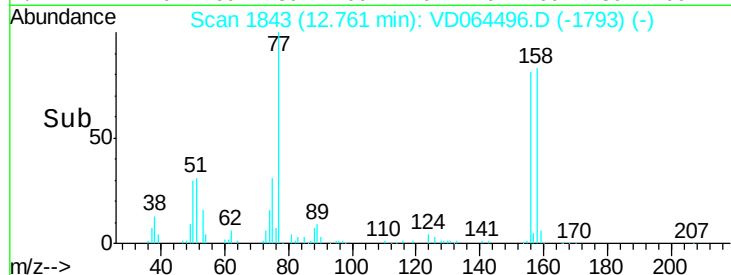
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 20.495 ug/l

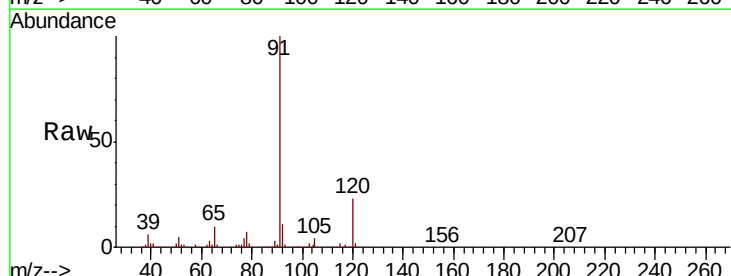
RT: 12.82 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VD064496.D

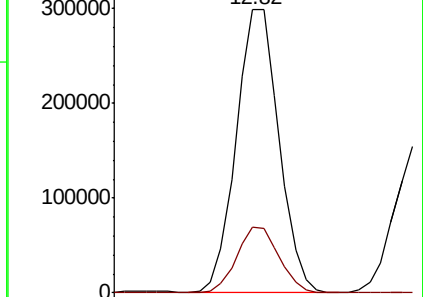
Acq: 11 Dec 2019 12:53

Tgt Ion:	91	Resp:	488755
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.9	35.9

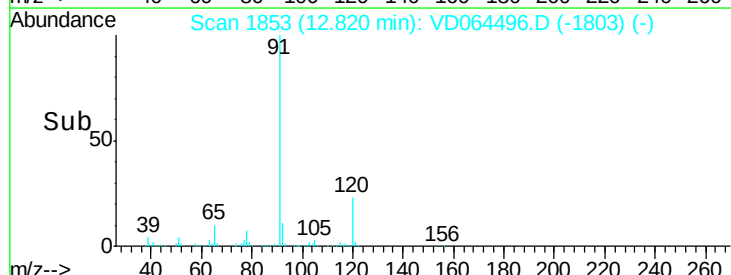


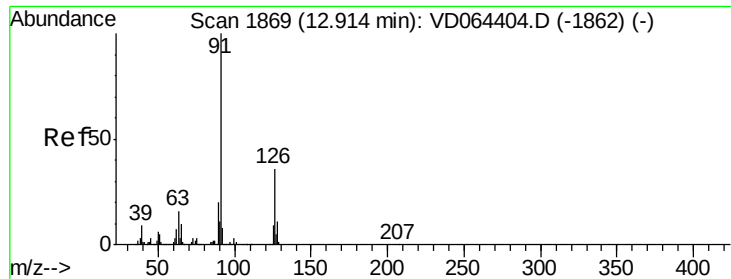
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 20.079 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS001

Tot Ion: 91 Resp: 263478

Ion Ratio Lower Upper

91 100

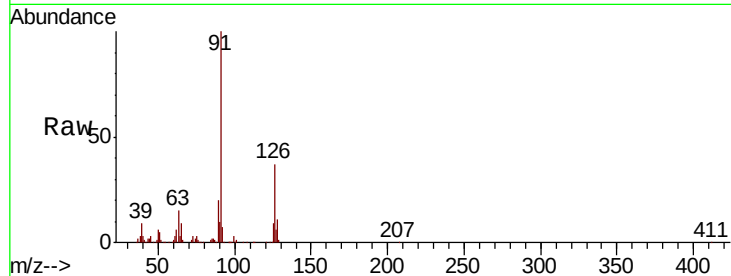
126 36.5 18.0 54.0

Manual Integrations

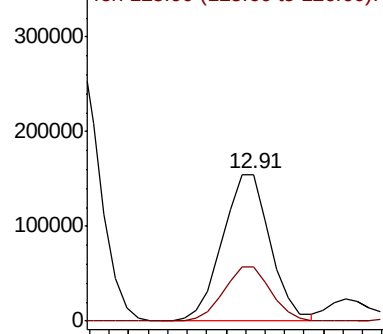
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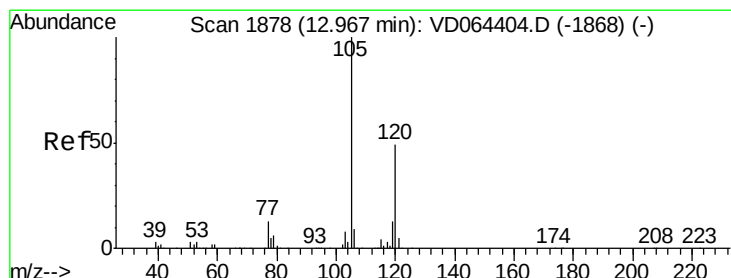
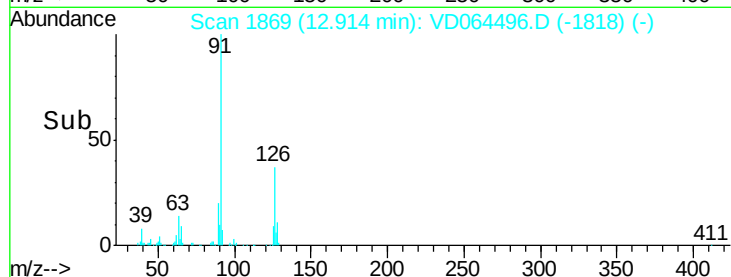
12/12/2019 10:29:06 AM



Abundance Ion 91.00 (90.70 to 91.70): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.212 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD064496.D

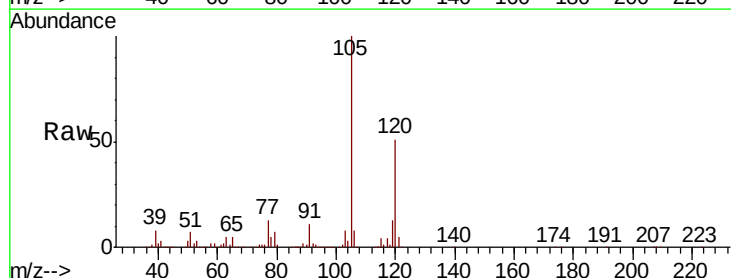
Acq: 11 Dec 2019 12:53

Tgt Ion: 105 Resp: 341385

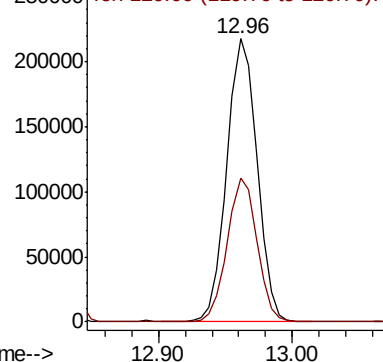
Ion Ratio Lower Upper

105 100

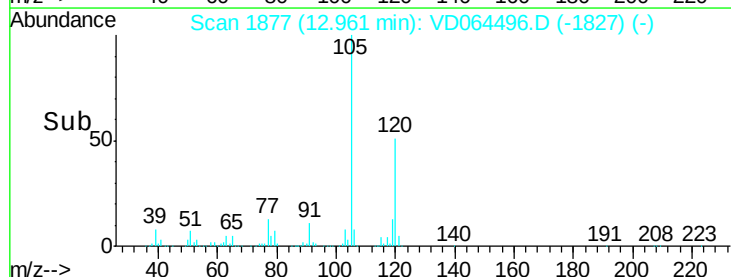
120 50.2 25.1 75.3

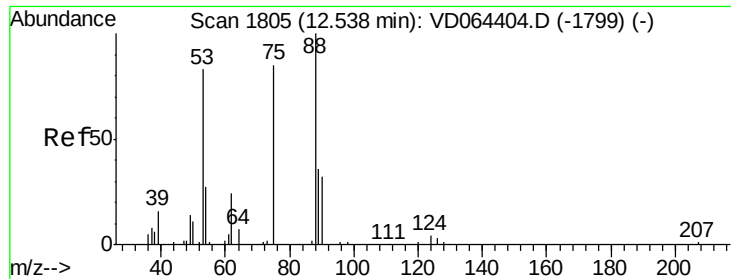


Abundance Ion 105.00 (104.70 to 105.70): V



Time-->





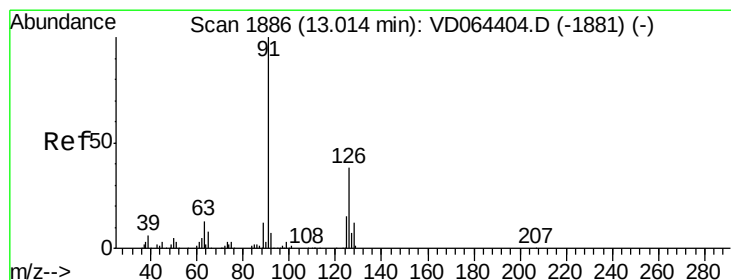
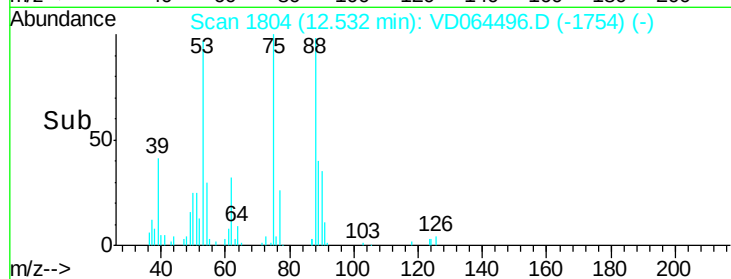
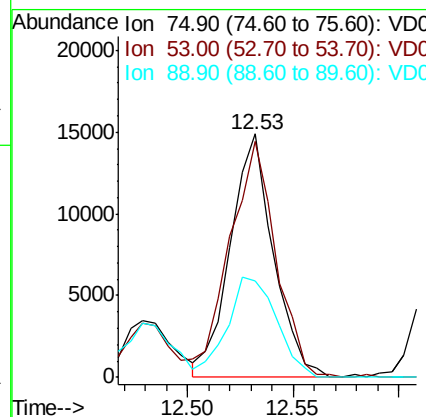
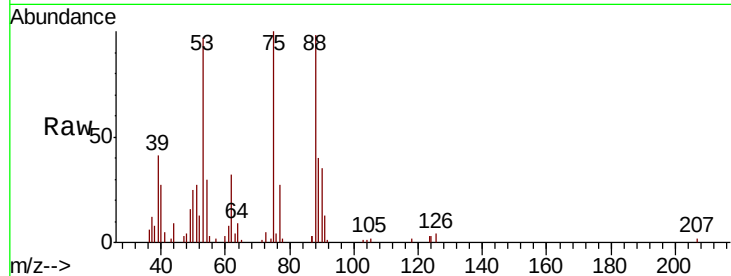
#81
trans-1,4-Dichloro-2-butene
Concen: 19.353 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.8	81.0	121.6
89	47.3	38.5	57.7

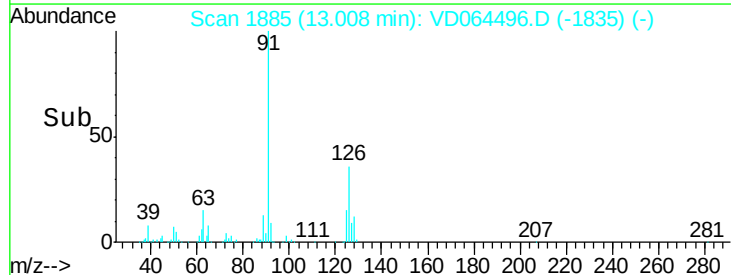
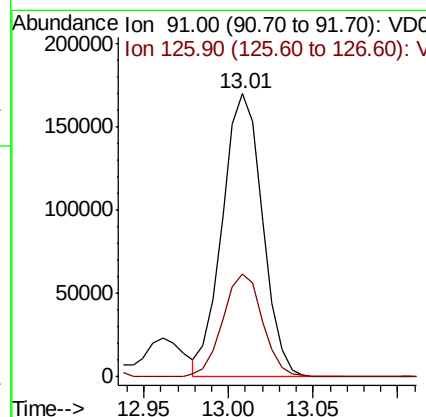
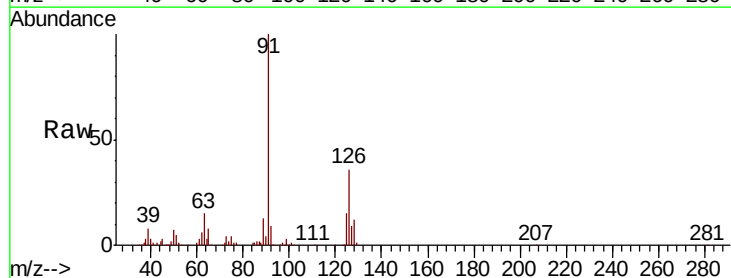
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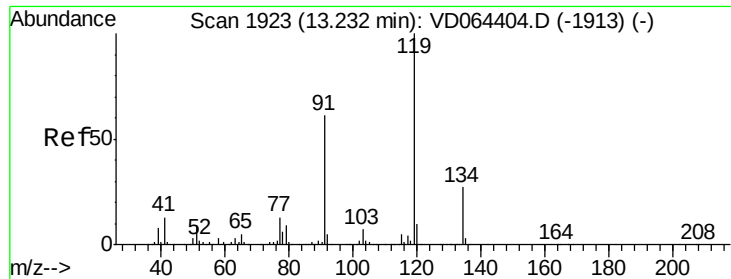
apatel
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#82
4-Chlorotoluene
Concen: 20.220 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	18.2	54.6





#83

tert-Butylbenzene

Concen: 19.839 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.01 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Instrument :

MSVOA_D

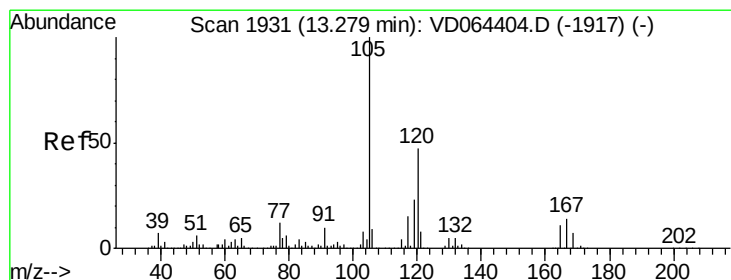
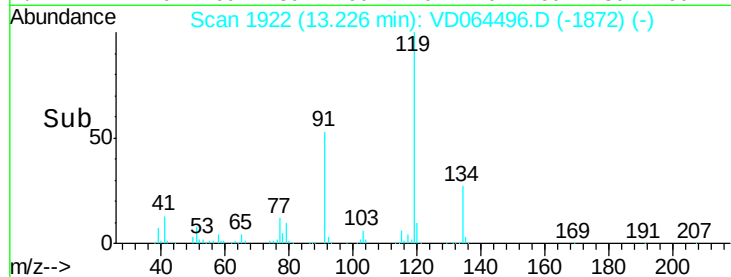
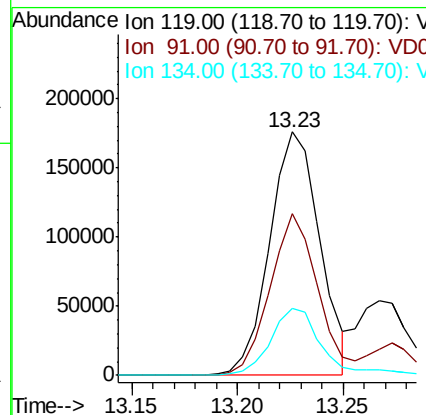
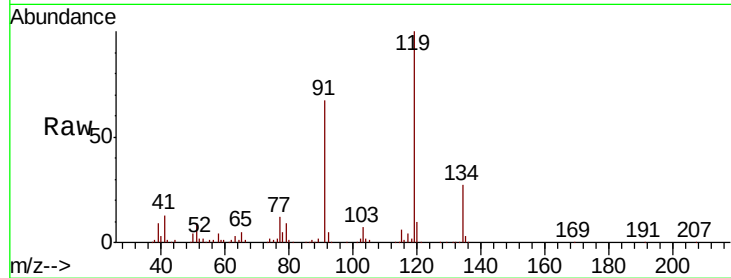
ClientSampleId :

VD1211SBS01

Tot Ion:	119	Resp:	291311
Ion Ratio	Lower	Upper	
119	100		
91	63.3	31.2	93.6
134	28.4	13.9	41.7

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#84

1,2,4-Trimethylbenzene

Concen: 20.143 ug/l

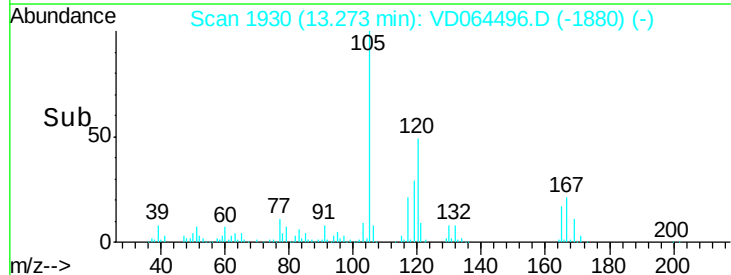
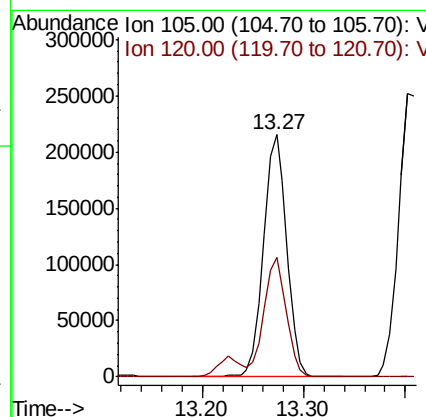
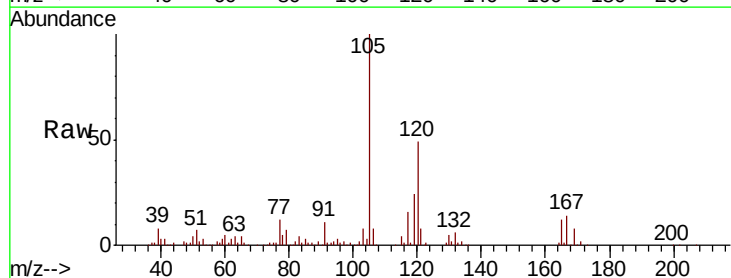
RT: 13.27 min Scan# 1930

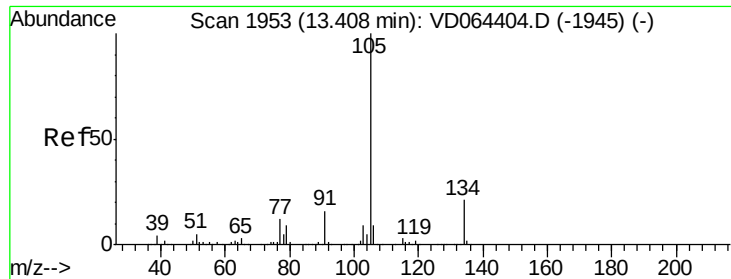
Delta R.T. -0.01 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Tgt Ion:	105	Resp:	342104
Ion Ratio	Lower	Upper	
105	100		
120	47.4	23.6	70.8





#85

sec-Butylbenzene

Concen: 20.326 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion:105 Resp: 409643

Ion Ratio Lower Upper

105 100

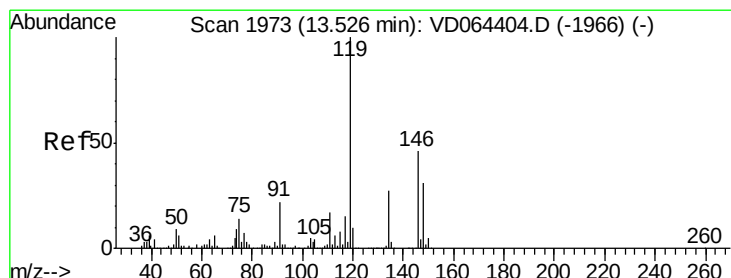
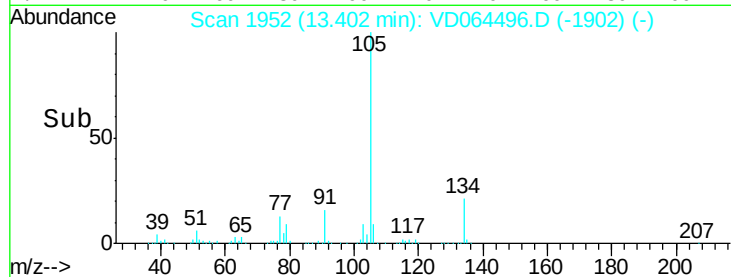
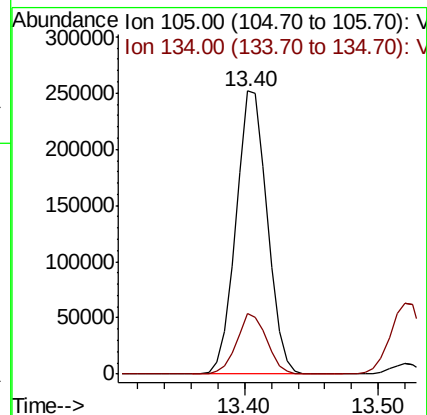
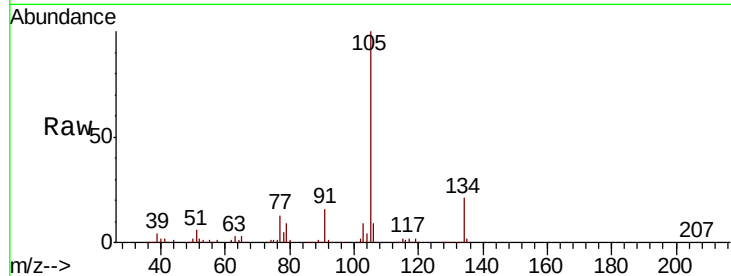
134 20.7 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 20.322 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

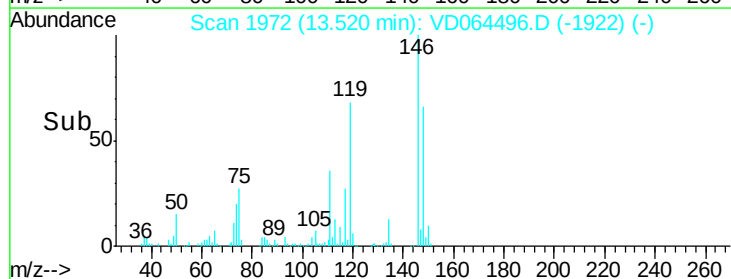
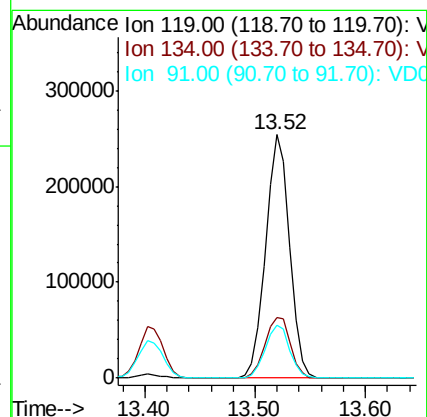
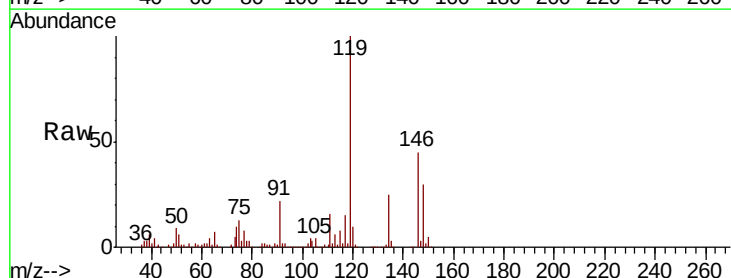
Tgt Ion:119 Resp: 386653

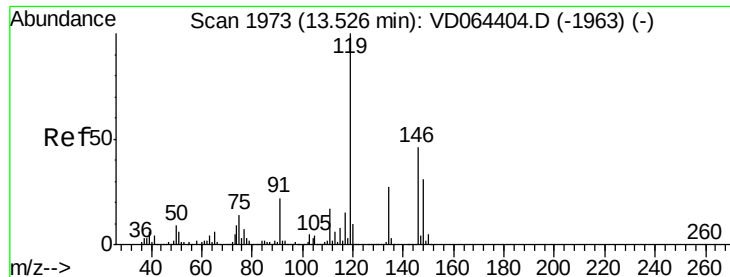
Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

91 22.3 11.2 33.5





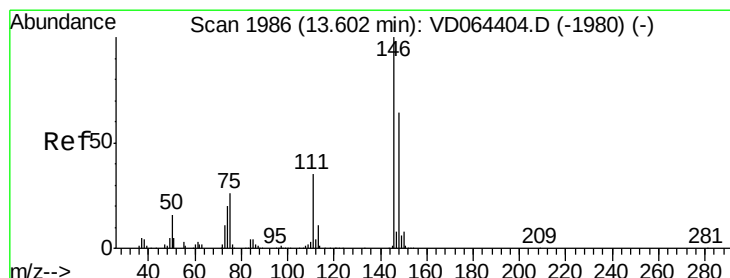
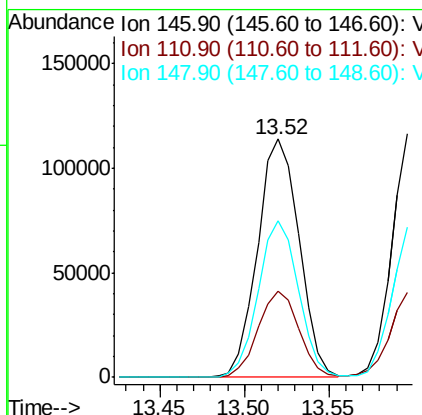
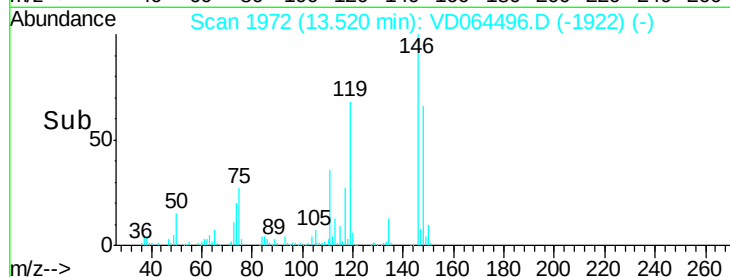
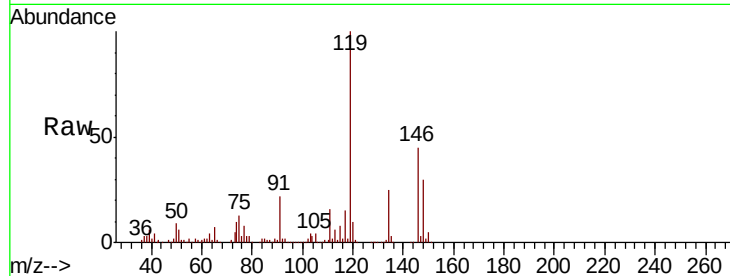
#87
 1,3-Dichlorobenzene
 Concen: 20.036 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064496.D
 Acq: 11 Dec 2019 12:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.8	56.4
148	63.8	32.6	97.8

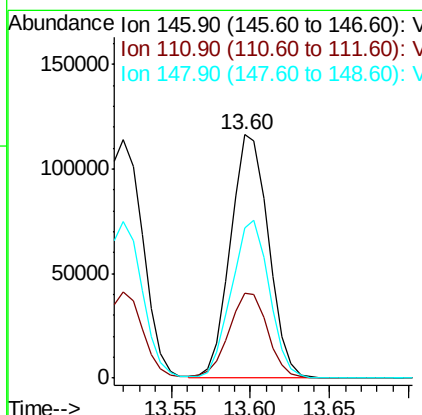
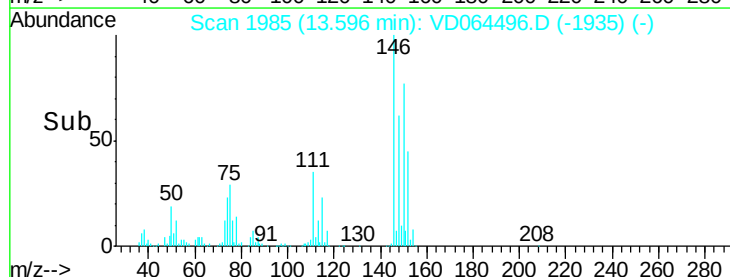
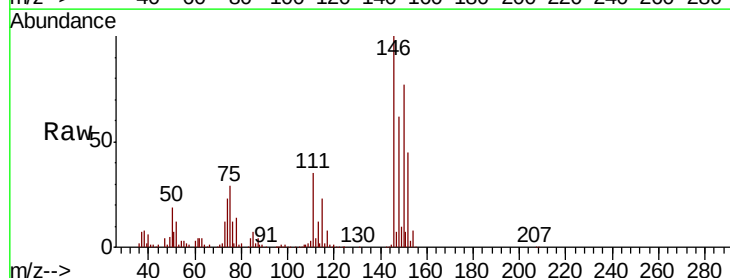
Manual Integrations
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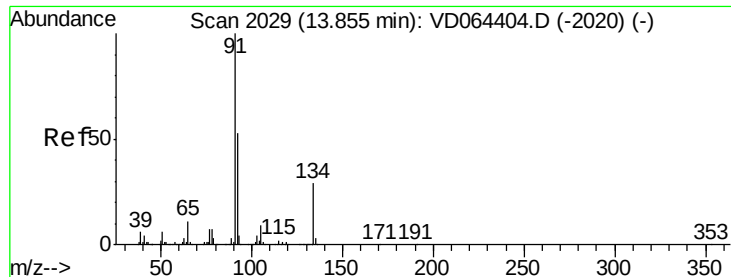
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 20.284 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD064496.D
 Acq: 11 Dec 2019 12:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.2	54.6
148	64.7	31.8	95.4





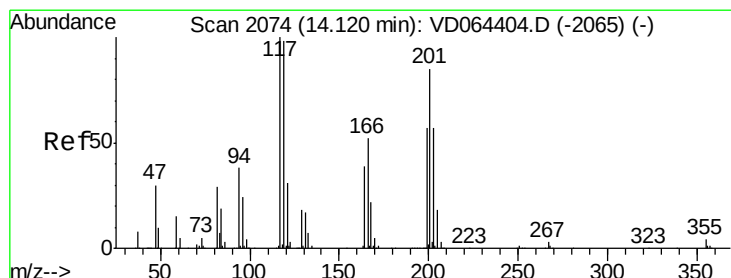
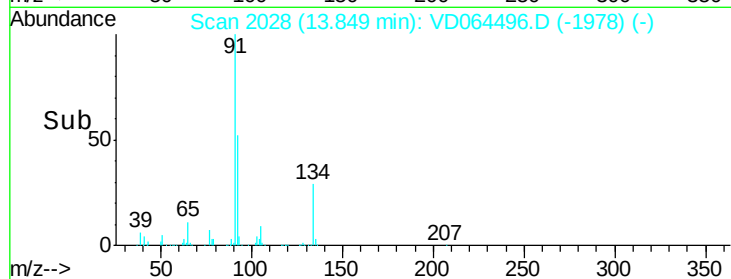
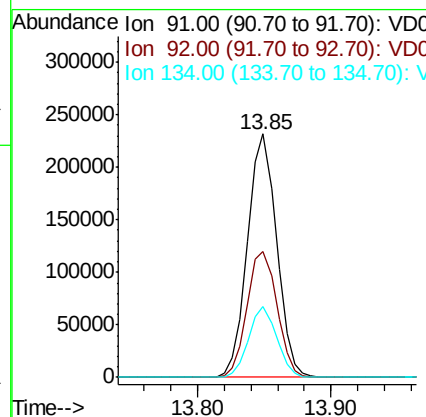
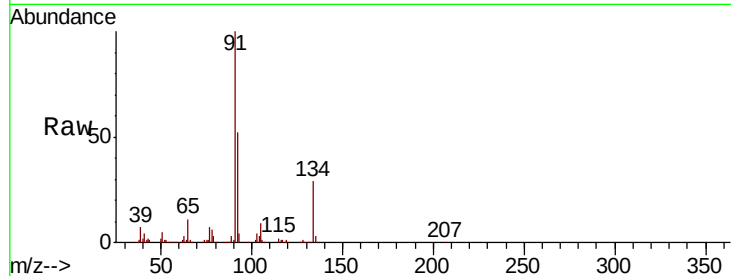
#89
n-Butylbenzene
Concen: 20.225 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.5	79.4
134	28.2	13.9	41.7

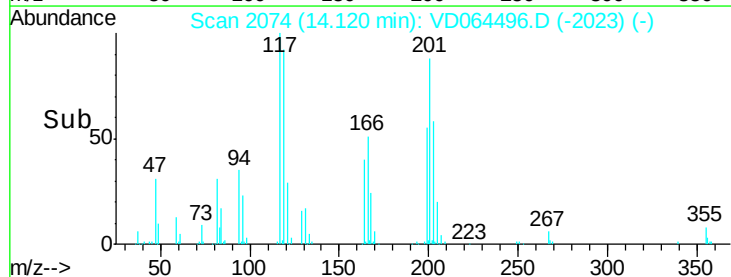
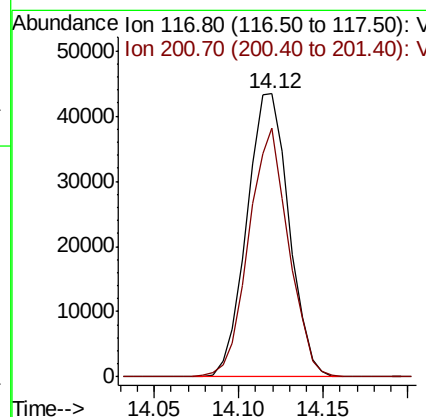
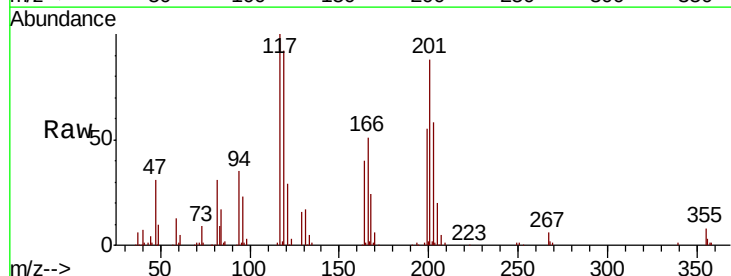
Manual Integrations
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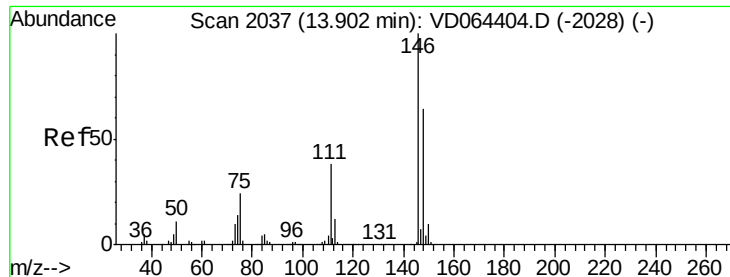
apatel
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#90
Hexachloroethane
Concen: 21.140 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.0	44.3	132.8





#91

1,2-Dichlorobenzene

Concen: 19.992 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Instrument :

MSVOA_D

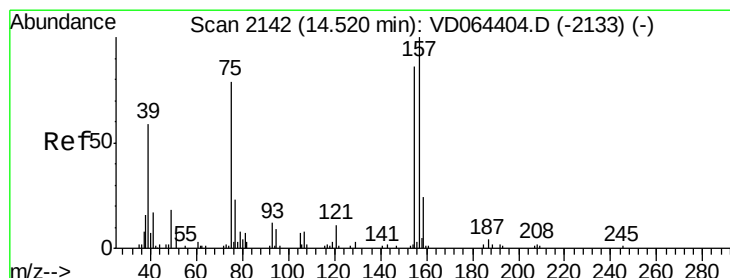
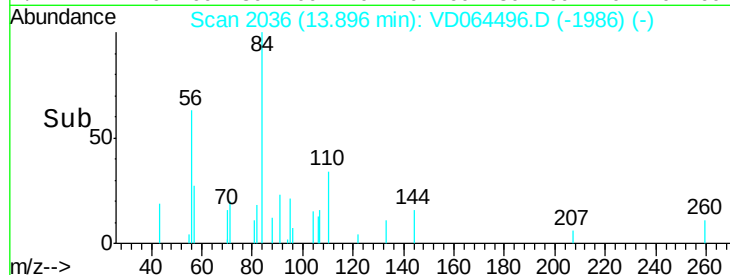
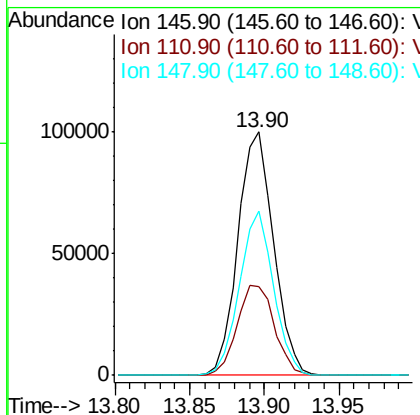
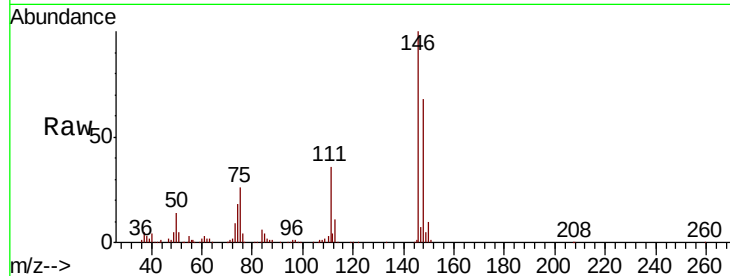
ClientSampleId :

VD1211SBS01

Tot Ion:	146	Resp:	165513
Ion Ratio	Lower	Upper	
146	100		
111	38.7	19.1	57.3
148	64.7	32.0	96.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.224 ug/l

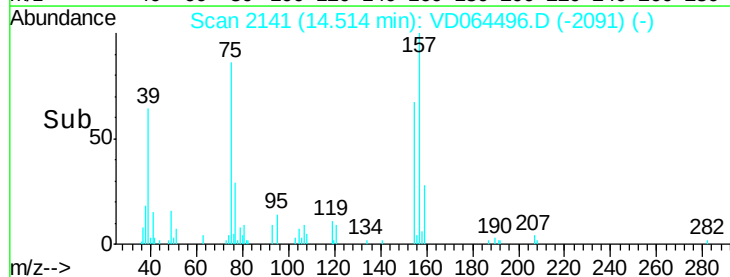
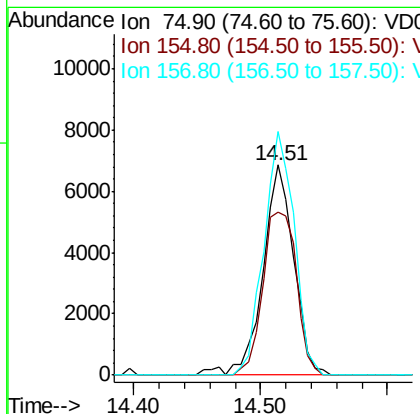
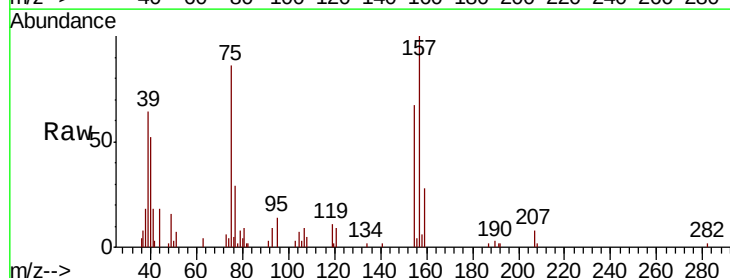
RT: 14.51 min Scan# 2141

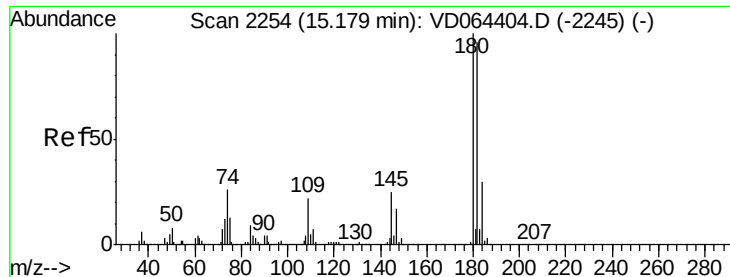
Delta R.T. -0.00 min

Lab File: VD064496.D

Acq: 11 Dec 2019 12:53

Tgt Ion:	75	Resp:	11661
Ion Ratio	Lower	Upper	
75	100		
155	84.4	51.9	155.7
157	113.0	63.2	189.8





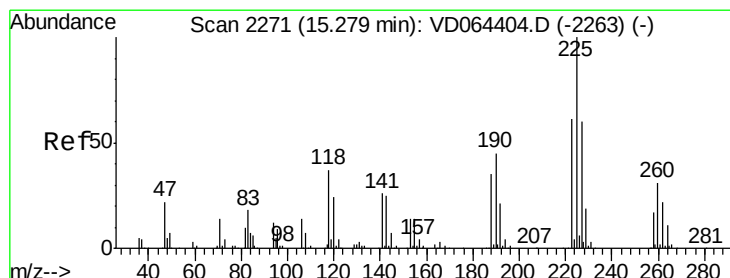
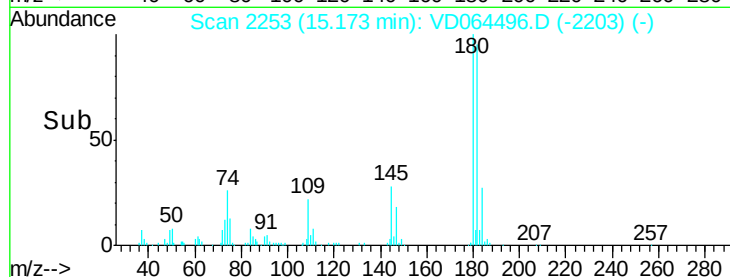
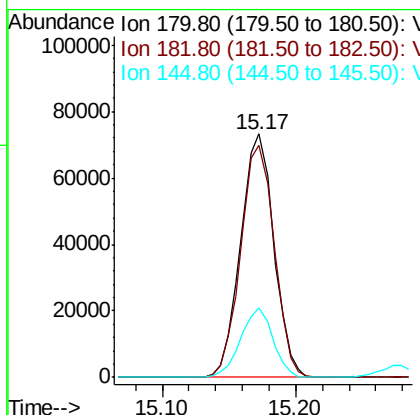
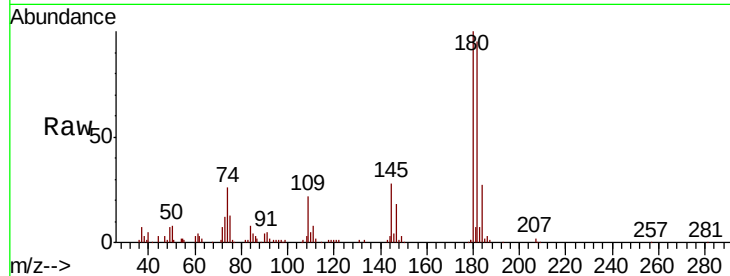
#93
 1,2,4-Trichlorobenzene
 Concen: 19.887 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064496.D
 Acq: 11 Dec 2019 12:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	126092		
182	96.4	47.4	142.3	
145	27.8	14.0	41.9	

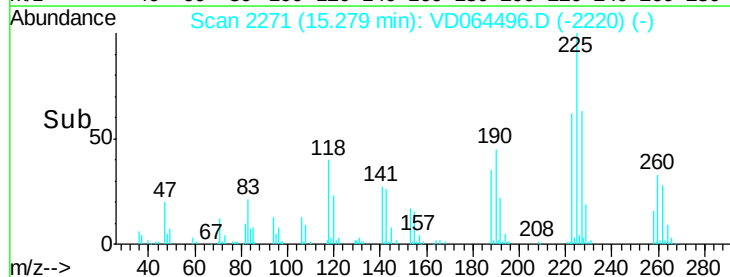
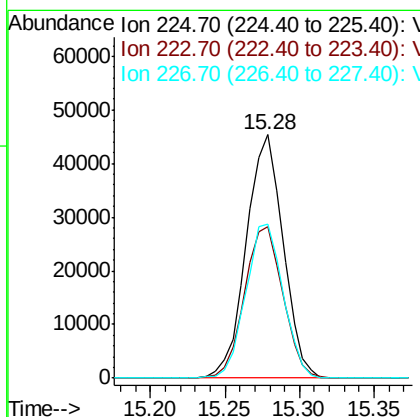
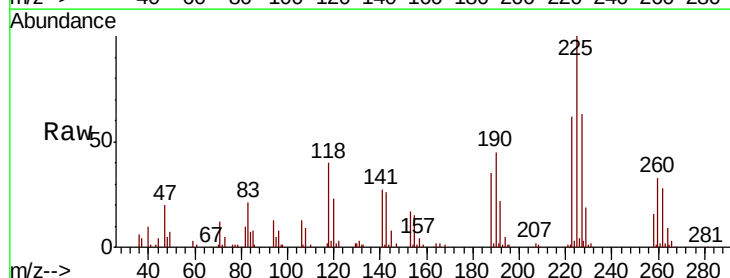
Manual Integrations
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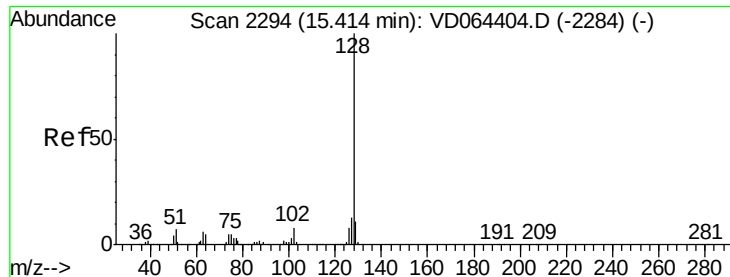
apatel
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#94
 Hexachlorobutadiene
 Concen: 19.802 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064496.D
 Acq: 11 Dec 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	77509		
223	64.4	31.1	93.3	
227	64.0	31.8	95.4	





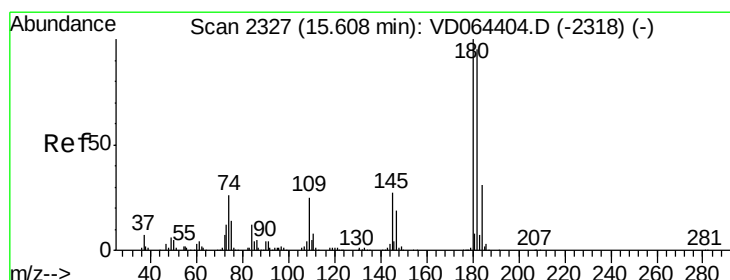
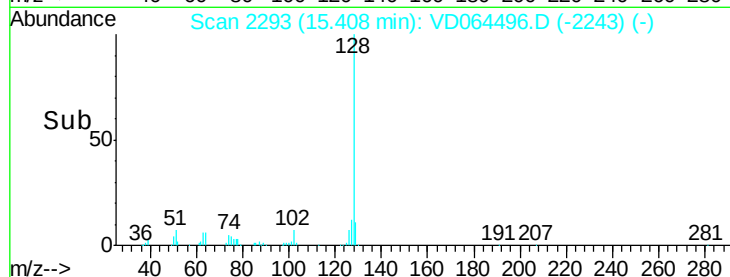
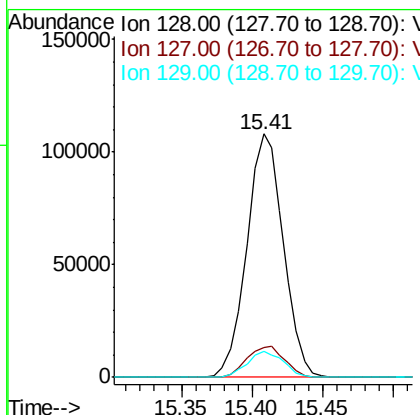
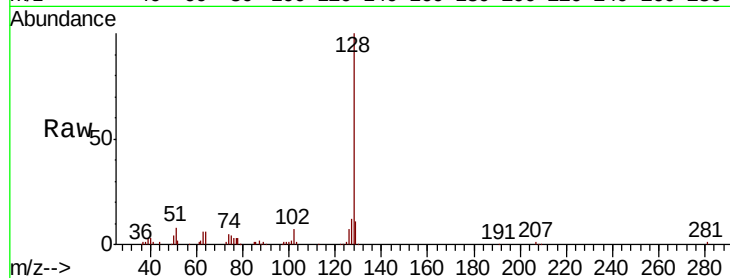
#95
Naphthalene
Concen: 18.522 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	195986		
127	13.2		10.5	15.7
129	10.9		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.544 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064496.D
Acq: 11 Dec 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	105779		
182	94.8		47.6	142.9
145	30.2		14.6	43.8

