

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122319\
 Data File : VD064561.D
 Acq On : 23 Dec 2019 11:47
 Operator : VA/SY
 Sample : VD1223SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBS01

Manual Integrations
 APPROVED

apatel
 12/24/2019 11:04:05 AM

Quant Time: Dec 24 06:02:57 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	406640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	592767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	532328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	264620	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	184510	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
35) Dibromofluoromethane	7.91	113	193442	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
50) Toluene-d8	10.34	98	715997	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
62) 4-Bromofluorobenzene	12.64	95	231381	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	73941	20.068	ug/l	100
3) Chloromethane	2.21	50	98335	21.160	ug/l	98
4) Vinyl Chloride	2.35	62	118320	22.051	ug/l	97
5) Bromomethane	2.76	94	79707	20.087	ug/l	96
6) Chloroethane	2.92	64	78414	21.864	ug/l	98
7) Trichlorofluoromethane	3.27	101	202481	22.699	ug/l	100
8) Diethyl Ether	3.71	74	37615	20.293	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	83876	21.930	ug/l	98
10) Methyl Iodide	4.30	142	81048	20.066	ug/l	99
11) Tert butyl alcohol	5.24	59	25439	108.577	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	78206	21.337	ug/l	94
13) Acrolein	3.92	56	24044	75.238	ug/l	95
14) Allyl chloride	4.70	41	123601	21.608	ug/l	99
15) Acrylonitrile	5.43	53	79597	98.200	ug/l	98
16) Acetone	4.17	43	72247	97.133	ug/l	97
17) Carbon Disulfide	4.40	76	234852	20.231	ug/l	98
18) Methyl Acetate	4.72	43	42691	19.677	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	169402	20.149	ug/l	98
20) Methylene Chloride	4.96	84	92554	22.000	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	88425	21.328	ug/l	94
22) Diisopropyl ether	6.37	45	240051	21.258	ug/l	95
23) Vinyl Acetate	6.31	43	675379	101.452	ug/l	100
24) 1,1-Dichloroethane	6.27	63	149219	21.973	ug/l	98
25) 2-Butanone	7.22	43	100773	95.803	ug/l	98
26) 2,2-Dichloropropane	7.21	77	140418	23.776	ug/l	95
27) cis-1,2-Dichloroethene	7.21	96	94564	20.921	ug/l	94
28) Bromochloromethane	7.55	49	39572	17.051	ug/l	98
29) Tetrahydrofuran	7.57	42	64344	96.146	ug/l	97
30) Chloroform	7.71	83	152542	21.689	ug/l	96
31) Cyclohexane	7.98	56	142924	21.490	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	146798	22.513	ug/l	99
36) 1,1-Dichloropropene	8.11	75	123507	22.028	ug/l	98
37) Ethyl Acetate	7.30	43	45485	19.119	ug/l	99
38) Carbon Tetrachloride	8.10	117	133435	22.549	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	147864	21.260	ug/l	94
40) Benzene	8.35	78	332975	21.382	ug/l	100
41) Methacrylonitrile	7.53	41	22757	16.680	ug/l #	79
42) 1,2-Dichloroethane	8.43	62	97463	21.461	ug/l	99
43) Isopropyl Acetate	8.46	43	92630	19.802	ug/l	99
44) Trichloroethene	9.11	130	100264	21.375	ug/l	92
45) 1,2-Dichloropropane	9.39	63	81711	21.940	ug/l	94
46) Dibromomethane	9.47	93	42619	20.276	ug/l	99
47) Bromodichloromethane	9.67	83	117556	21.766	ug/l	97
48) Methyl methacrylate	9.46	41	40049	18.710	ug/l	99
49) 1,4-Dioxane	9.47	88	10110	389.504	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	225244	97.319	ug/l	99
52) Toluene	10.40	92	213802	21.067	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	108750	21.128	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	131449	21.497	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	59755	20.761	ug/l	99
56) Ethyl methacrylate	10.66	69	71759	19.548	ug/l	98
57) 1,3-Dichloropropane	10.95	76	102771	20.976	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	167989	114.795	ug/l	99
59) 2-Hexanone	10.98	43	151591	94.391	ug/l	99
60) Dibromochloromethane	11.14	129	80828	20.712	ug/l	99
61) 1,2-Dibromoethane	11.25	107	56070	19.511	ug/l	97
64) Tetrachloroethene	10.88	164	84663	20.856	ug/l	96
65) Chlorobenzene	11.67	112	234035	21.079	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	85779	20.870	ug/l	99
67) Ethyl Benzene	11.75	91	416248	21.071	ug/l	98
68) m/p-Xylenes	11.86	106	318813	42.328	ug/l	100
69) o-Xylene	12.18	106	144892	20.829	ug/l	99
70) Styrene	12.20	104	251040	20.767	ug/l	98
71) Bromoform	12.37	173	48743	19.822	ug/l #	99
73) Isopropylbenzene	12.48	105	399316	20.982	ug/l	99
74) N-amyl acetate	12.30	43	80749	18.694	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	62809	19.957	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	37961m	17.444	ug/l	
77) Bromobenzene	12.77	156	95953	20.416	ug/l	97
78) n-propylbenzene	12.83	91	465468	21.197	ug/l	99
79) 2-Chlorotoluene	12.91	91	251085	20.780	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	324233	20.847	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20760	20.802	ug/l	93
82) 4-Chlorotoluene	13.01	91	272822	21.326	ug/l	99
83) tert-Butylbenzene	13.23	119	288438	21.332	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	324695	20.762	ug/l	99
85) sec-Butylbenzene	13.41	105	394999	21.285	ug/l	99
86) p-Isopropyltoluene	13.53	119	374163	21.356	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	182016	20.405	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	183509	20.837	ug/l	99
89) n-Butylbenzene	13.85	91	337645	21.222	ug/l	98
90) Hexachloroethane	14.12	117	73712	22.495	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	156666	20.551	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10326	19.265	ug/l	90

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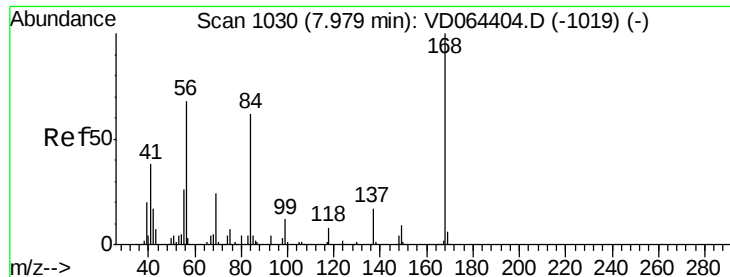
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	120249	20.597	ug/l	98
94) Hexachlorobutadiene	15.28	225	76214	21.146	ug/l	97
95) Naphthalene	15.41	128	180054	18.480	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	98211	19.707	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: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

Tot Ion:168 Resp: 406640

Ion Ratio Lower Upper

168 100

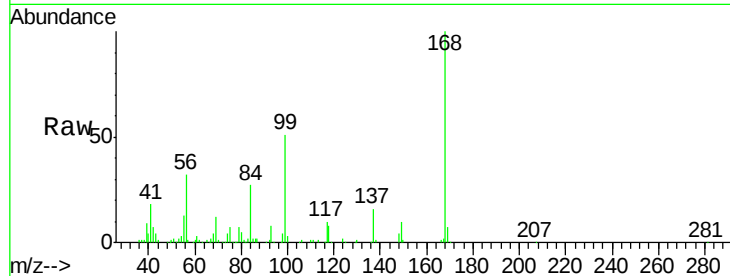
99 51.1 40.7 61.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

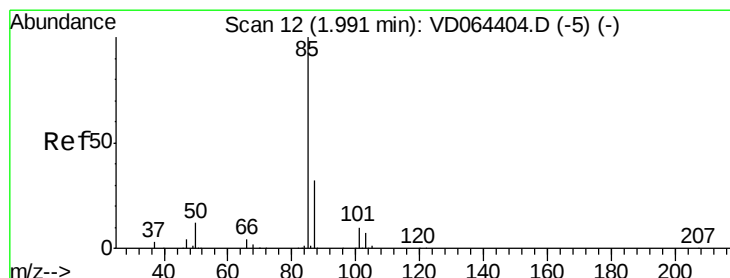
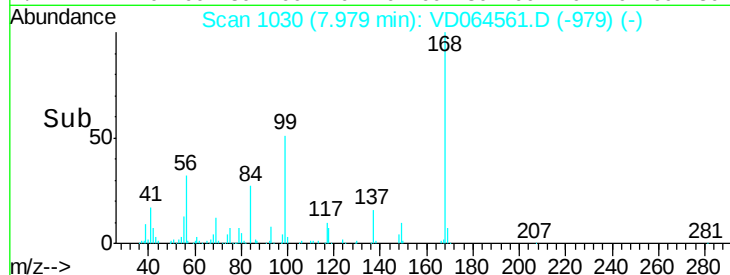
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100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.068 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064561.D

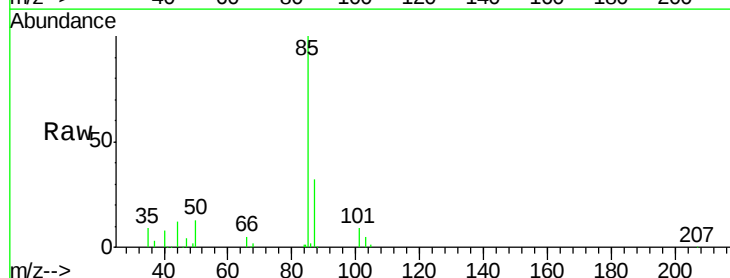
Acq: 23 Dec 2019 11:47

Tgt Ion: 85 Resp: 73941

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

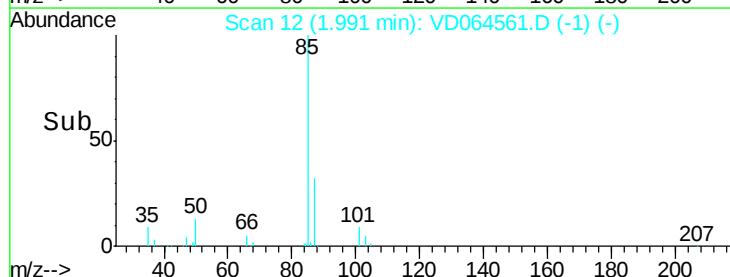
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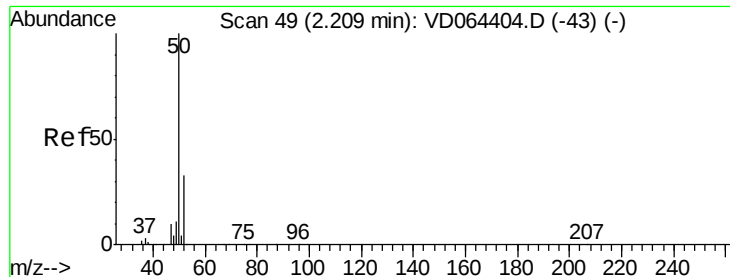
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Time-->





#3

Chloromethane

Concen: 21.160 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

Tot Ion: 50 Resp: 98335

Ion Ratio Lower Upper

50 100

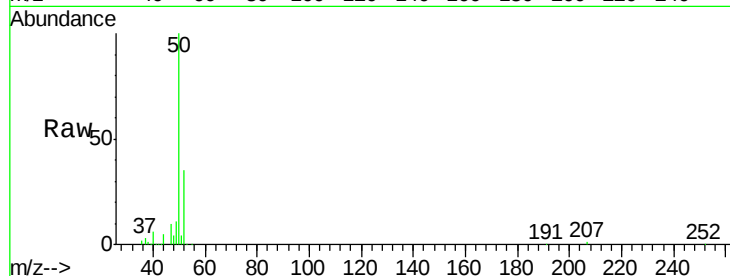
52 34.6 26.7 40.1

Manual Integrations

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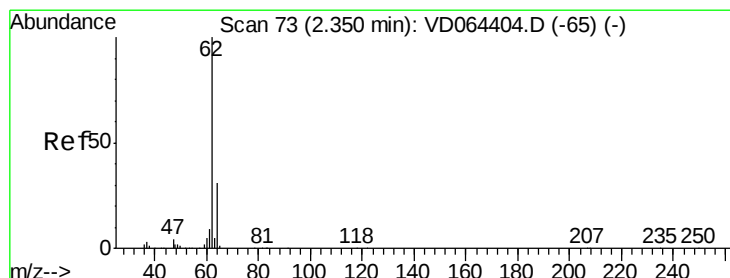
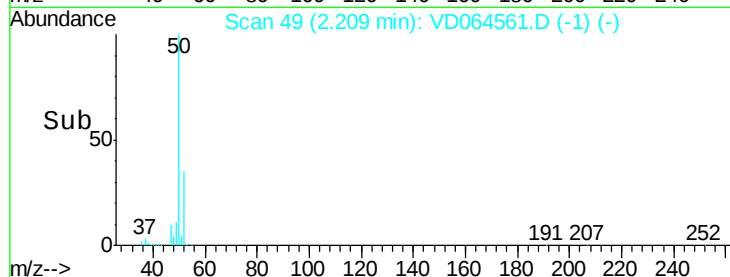
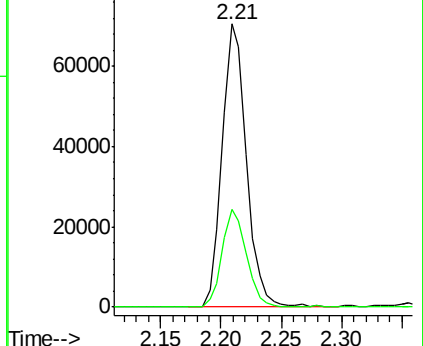
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.051 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064561.D

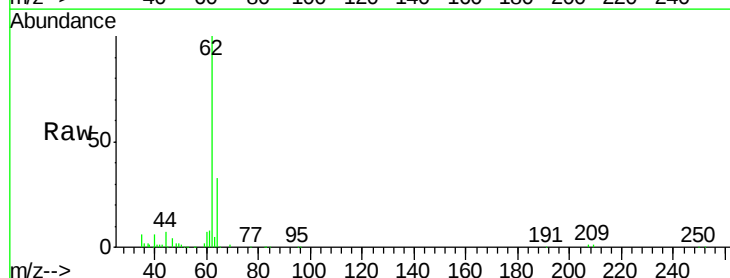
Acq: 23 Dec 2019 11:47

Tgt Ion: 62 Resp: 118320

Ion Ratio Lower Upper

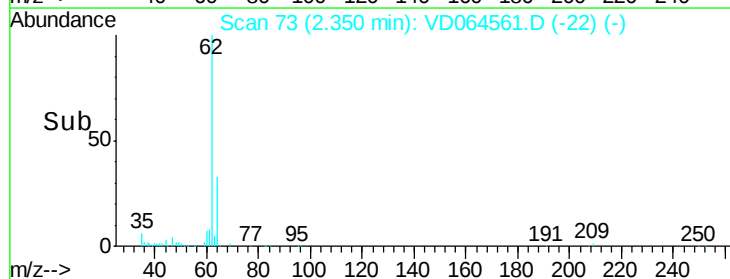
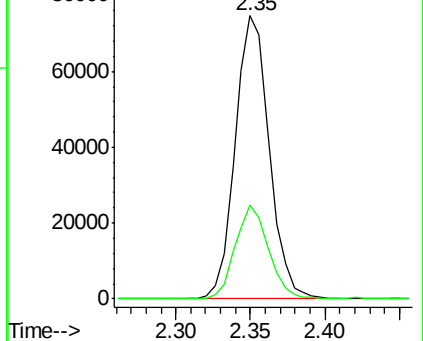
62 100

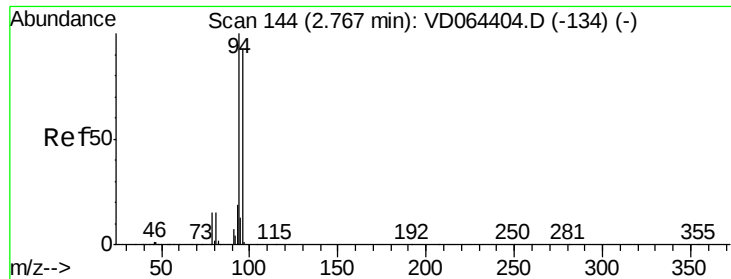
64 33.1 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.087 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

Tot Ion: 94 Resp: 79707

Ion Ratio Lower Upper

94 100

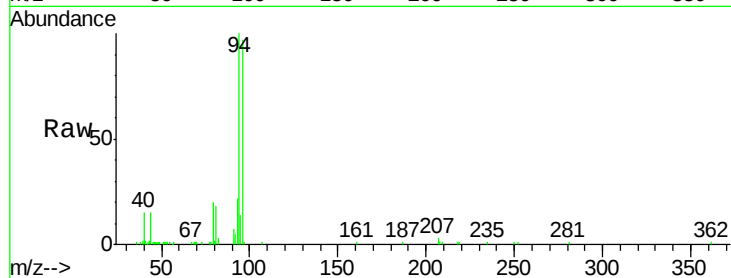
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Manual Integrations

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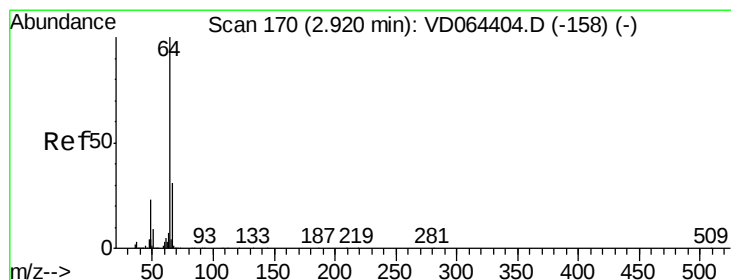
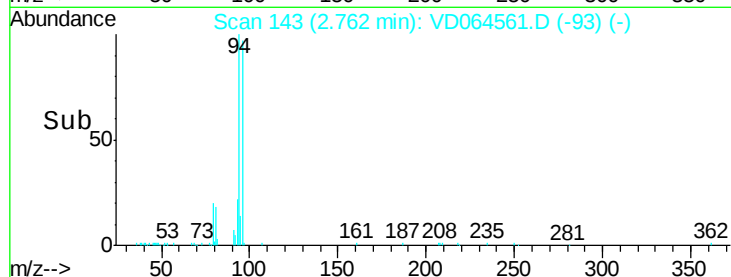
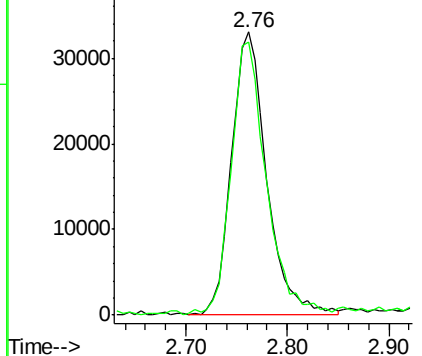
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.864 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064561.D

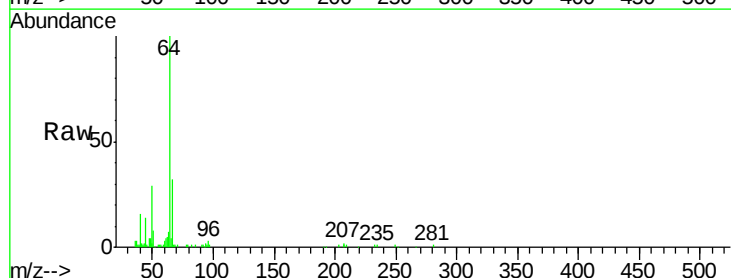
Acq: 23 Dec 2019 11:47

Tgt Ion: 64 Resp: 78414

Ion Ratio Lower Upper

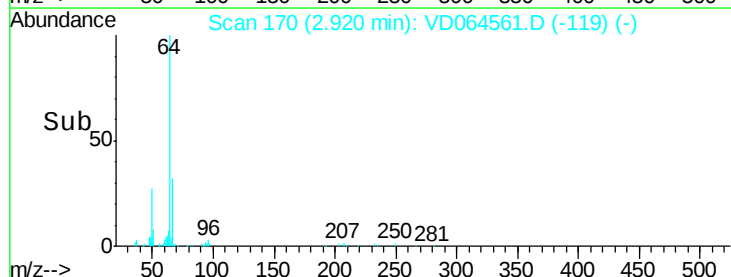
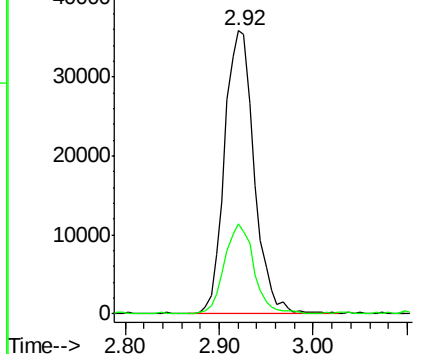
64 100

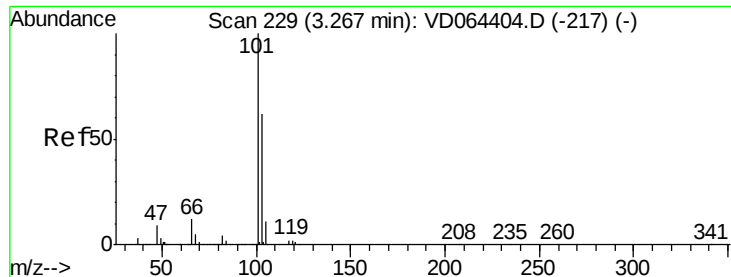
66 31.7 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

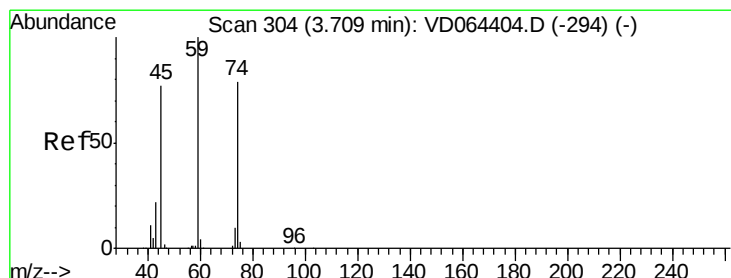
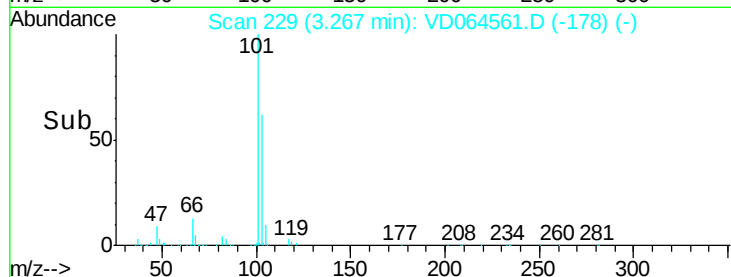
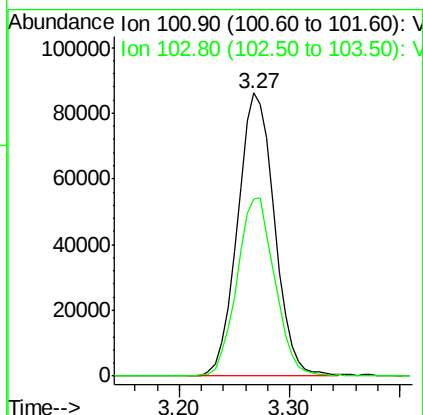
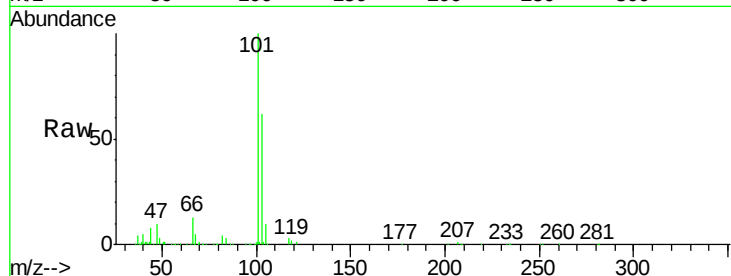
Trichlorofluoromethane
 Concen: 22.699 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	202481		
103	62.2	49.8	74.6	

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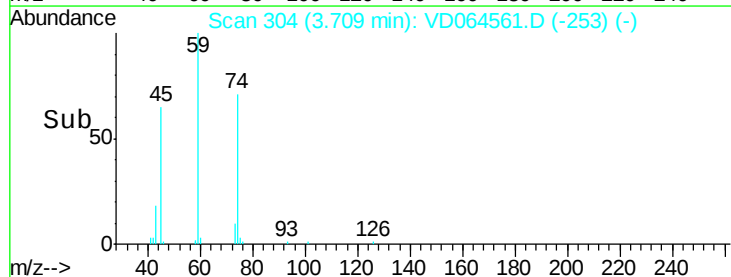
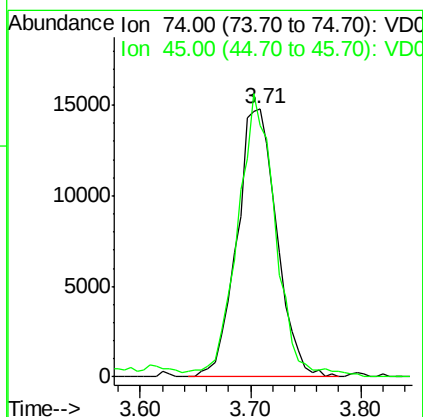
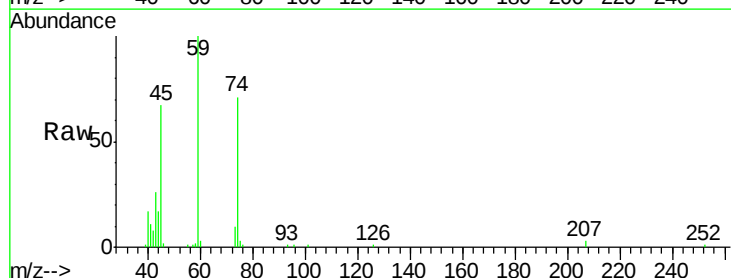
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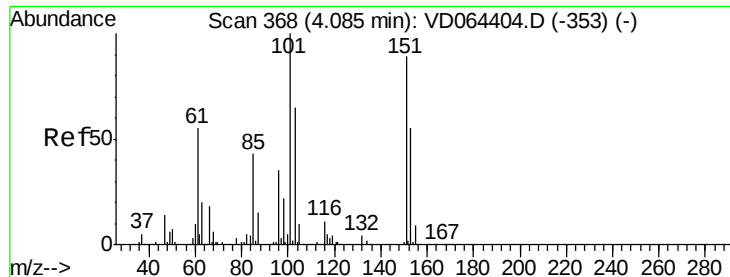


#8

Diethyl Ether
 Concen: 20.293 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	37615		
45	100.0	48.6	145.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.930 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

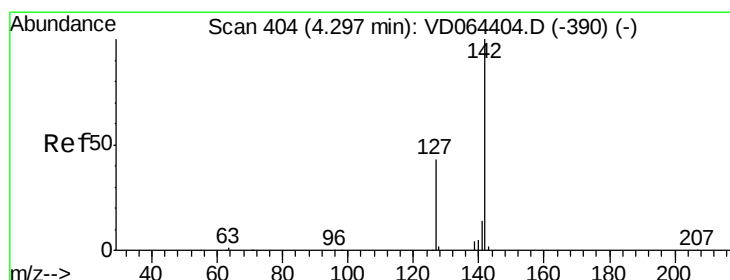
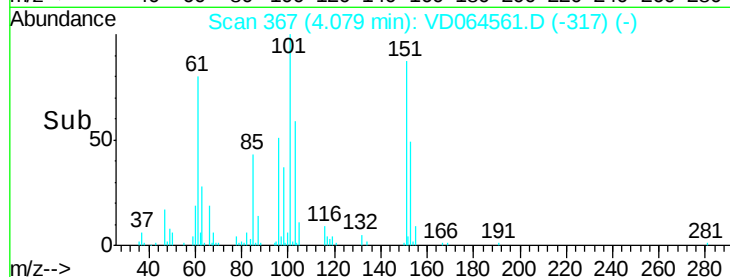
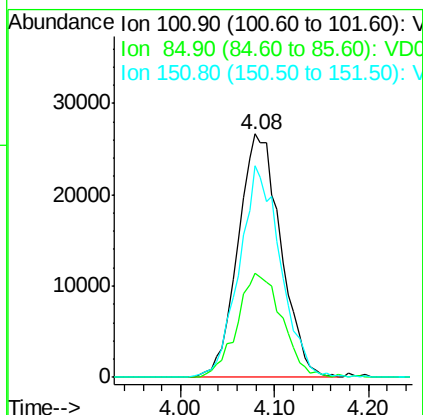
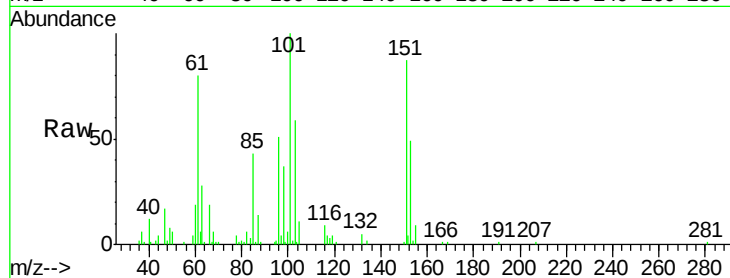
ClientSampleId :

VD1223SBS01

Tot Ion:	101	Resp:	83876
Ion Ratio	Lower	Upper	
101	100		
85	44.6	34.8	52.2
151	84.2	68.8	103.2

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#10

Methyl Iodide

Concen: 20.066 ug/l

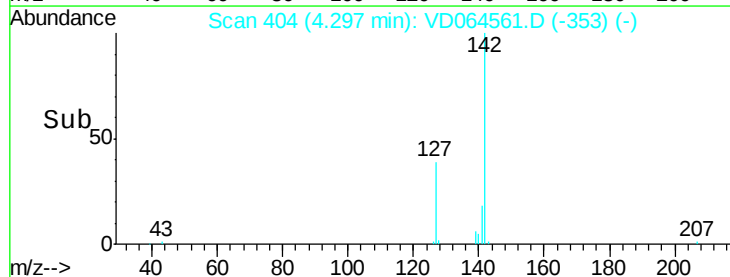
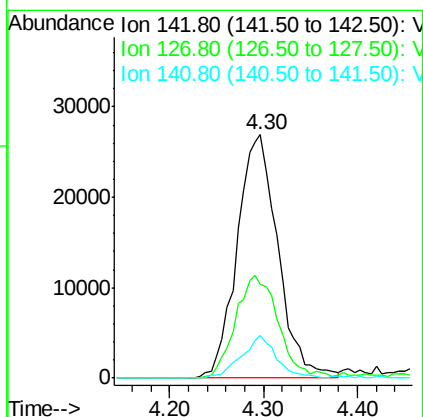
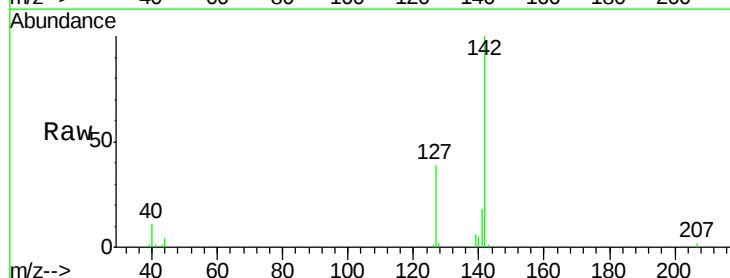
RT: 4.30 min Scan# 404

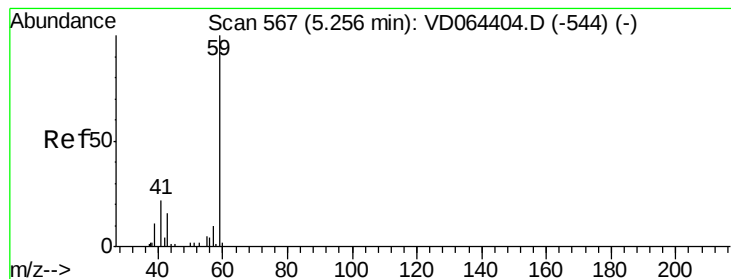
Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Tgt Ion:	142	Resp:	81048
Ion Ratio	Lower	Upper	
142	100		
127	44.3	35.3	52.9
141	15.0	11.6	17.4





#11

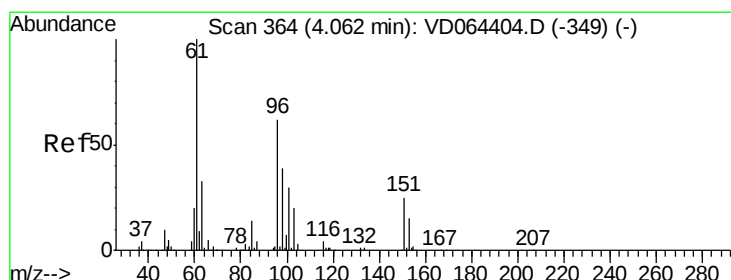
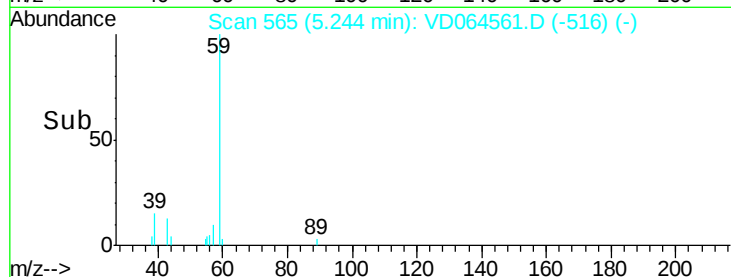
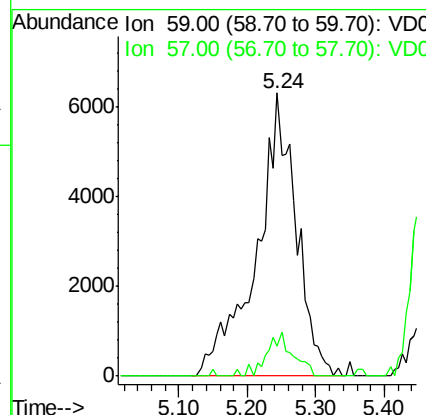
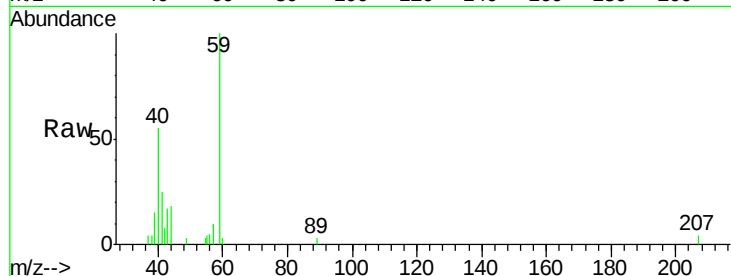
Tert butyl alcohol
Concen: 108.577 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	25439		
57	9.9	0.0	0.0	0.0

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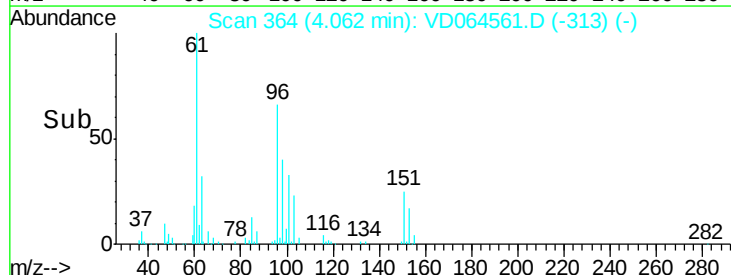
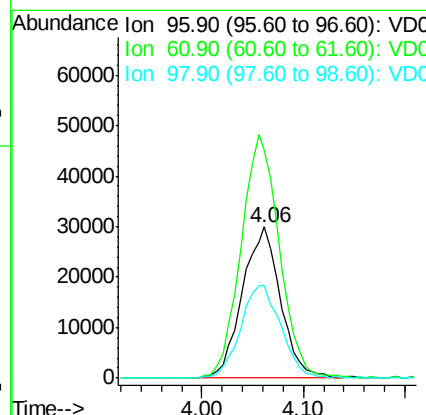
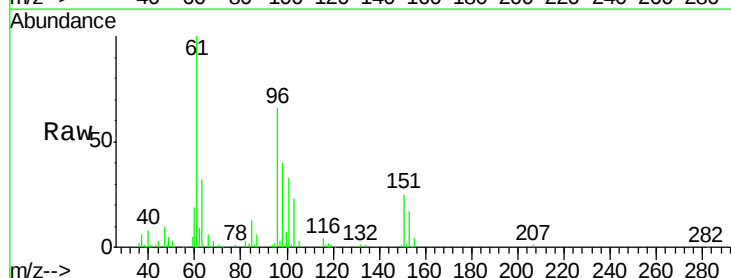
apatel
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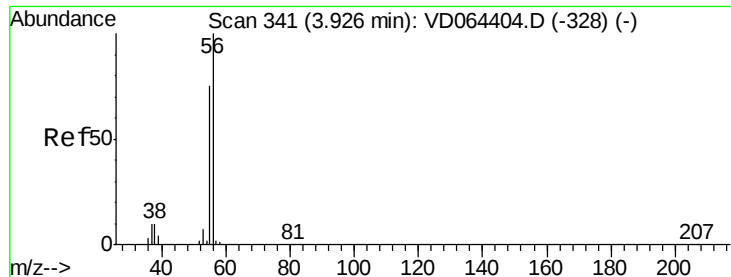


#12

1,1-Dichloroethene
Concen: 21.337 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	78206		
61	151.0	128.2	192.4	
98	60.8	50.4	75.6	





#13

Acrolein

Concen: 75.238 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

Tot Ion: 56 Resp: 24044

Ion Ratio Lower Upper

56 100

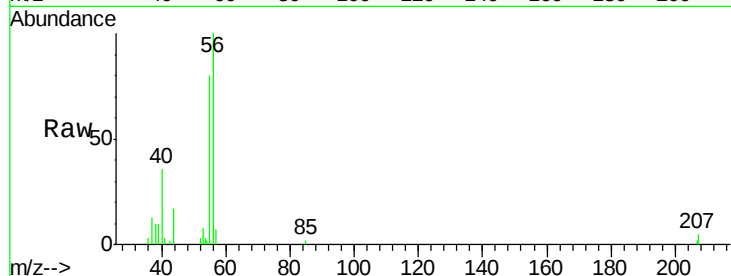
55 75.1 56.9 85.3

Manual Integrations

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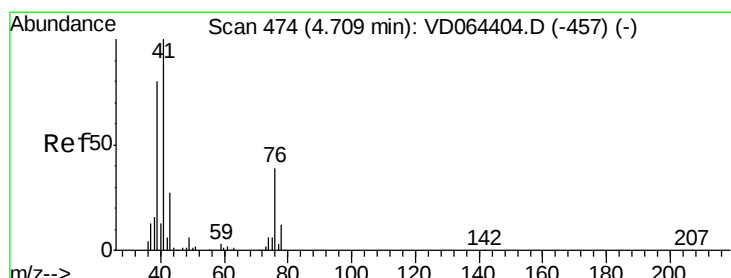
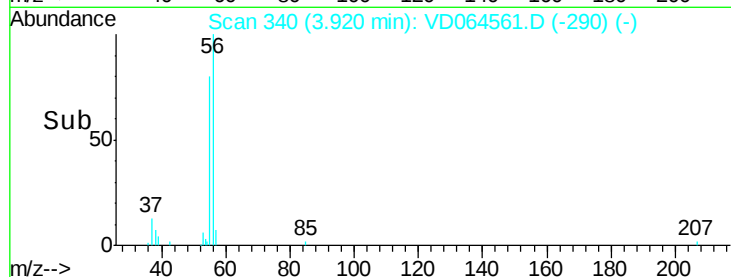
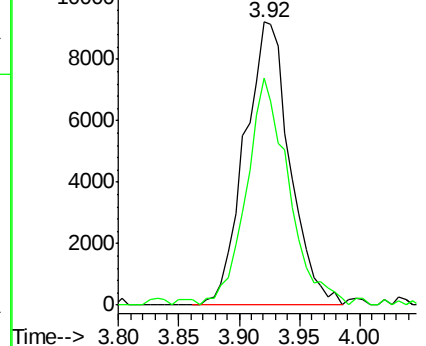
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.608 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

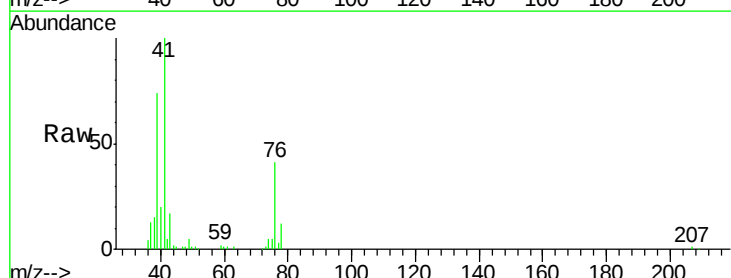
Tgt Ion: 41 Resp: 123601

Ion Ratio Lower Upper

41 100

39 76.7 62.1 93.1

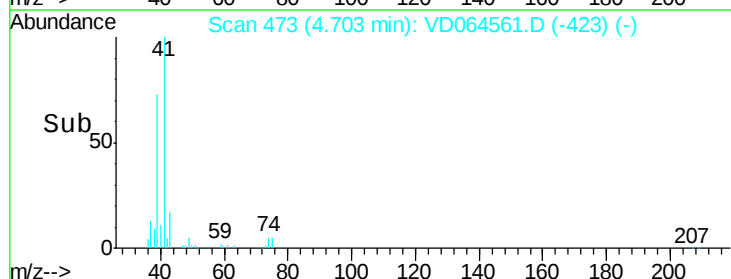
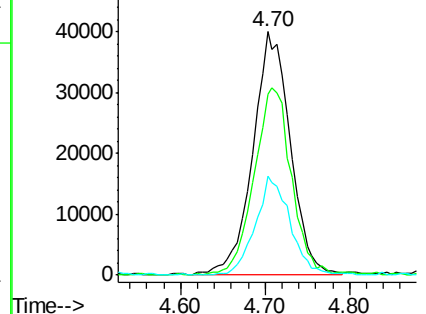
76 37.5 29.8 44.8

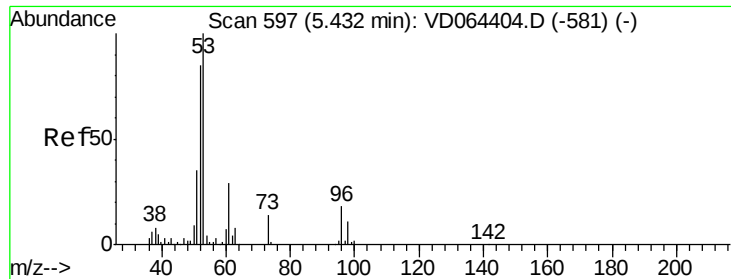


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 98.200 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

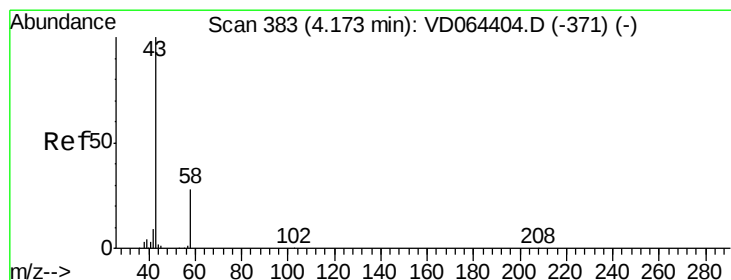
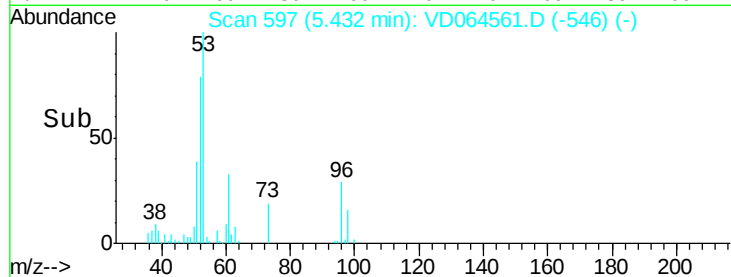
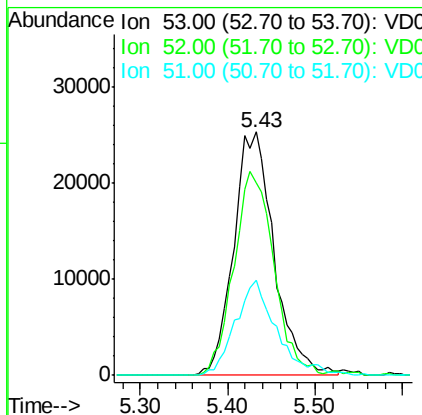
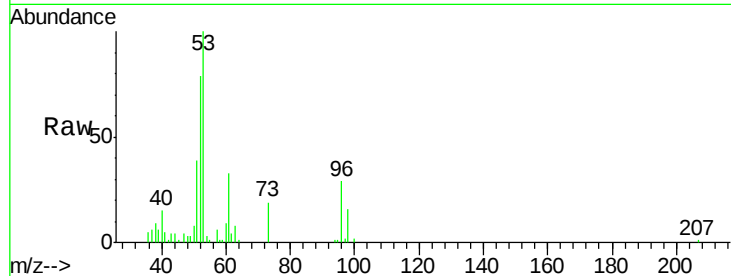
ClientSampleId :

VD1223SBS01

Tot Ion:	53	Resp:	79597
Ion	Ratio	Lower	Upper
53	100		
52	82.7	67.9	101.9
51	37.9	30.6	45.8

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#16

Acetone

Concen: 97.133 ug/l

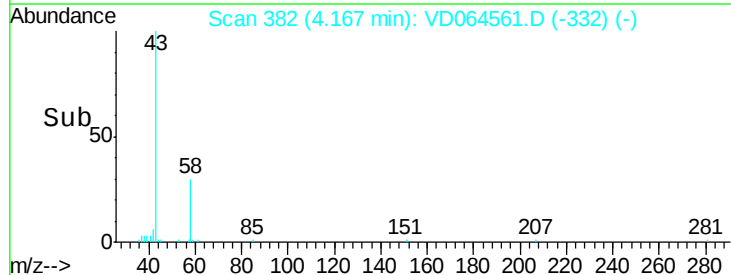
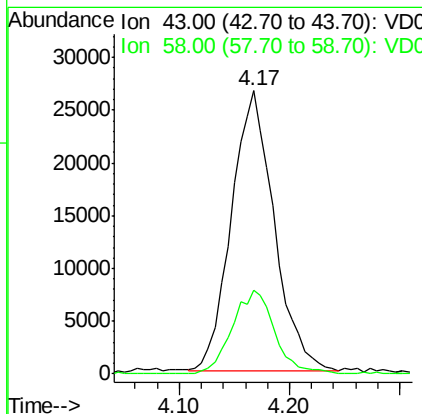
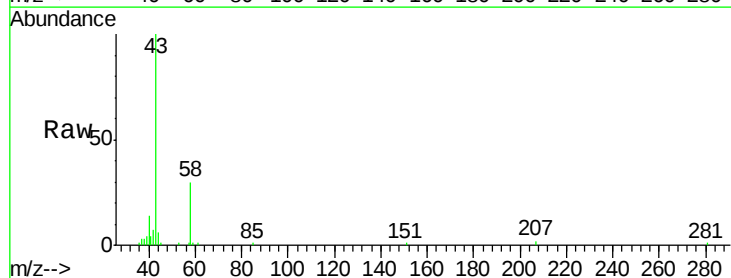
RT: 4.17 min Scan# 382

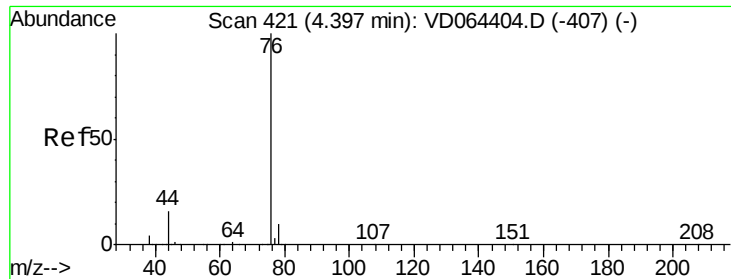
Delta R.T. -0.01 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Tgt Ion:	43	Resp:	72247
Ion	Ratio	Lower	Upper
43	100		
58	30.0	22.6	33.8





#17

Carbon Disulfide

Concen: 20.231 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

Tot Ion: 76 Resp: 234852

Ion Ratio Lower Upper

76 100

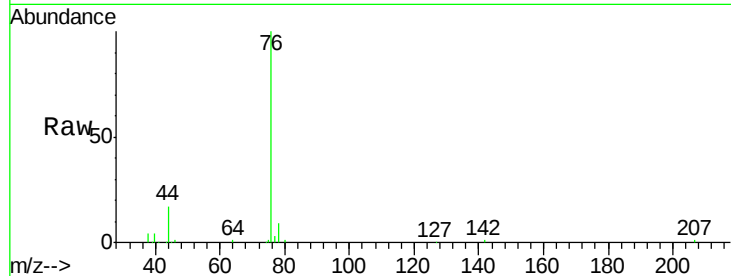
78 9.2 7.8 11.8

Manual Integrations

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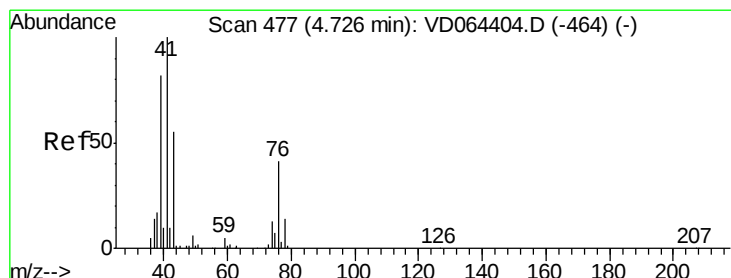
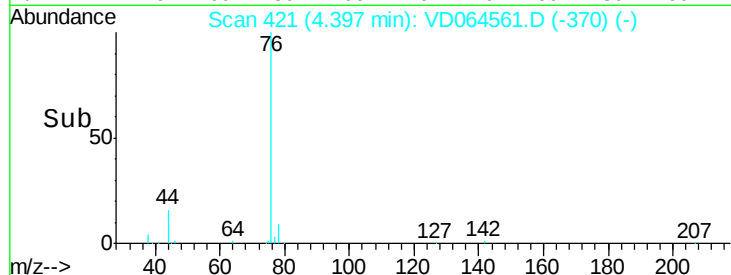
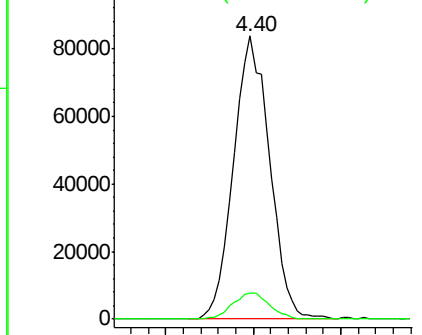
apatel

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.677 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064561.D

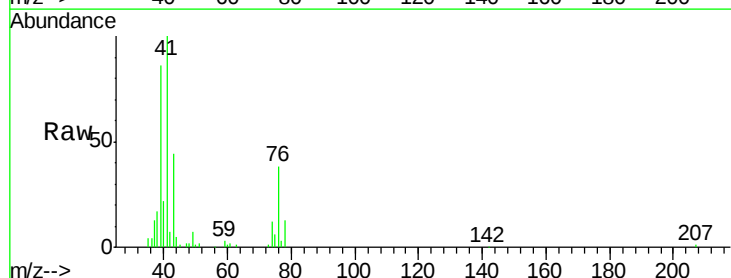
Acq: 23 Dec 2019 11:47

Tgt Ion: 43 Resp: 42691

Ion Ratio Lower Upper

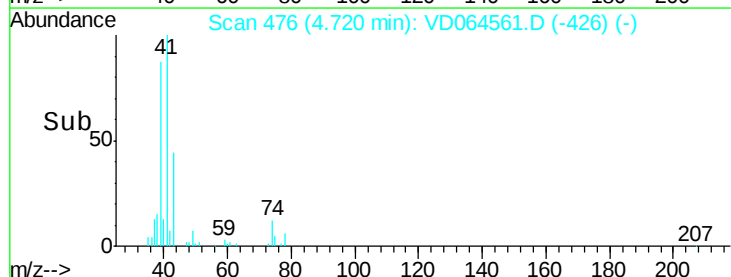
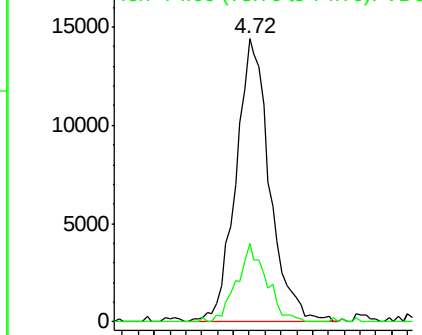
43 100

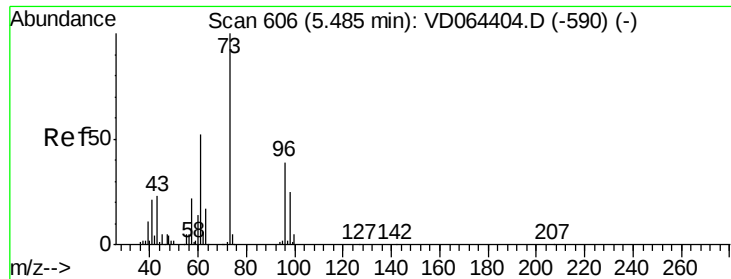
74 24.2 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





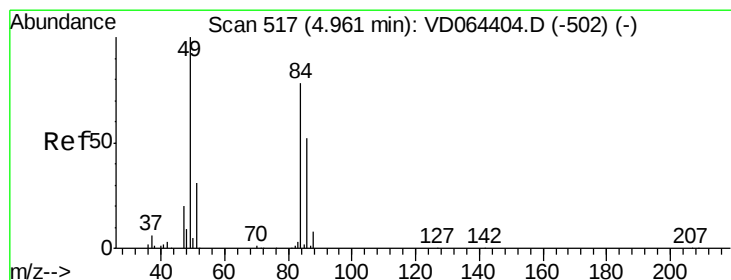
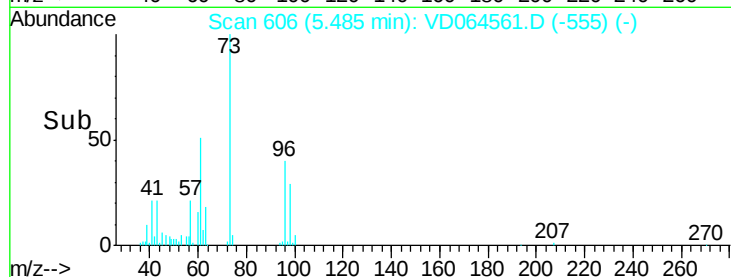
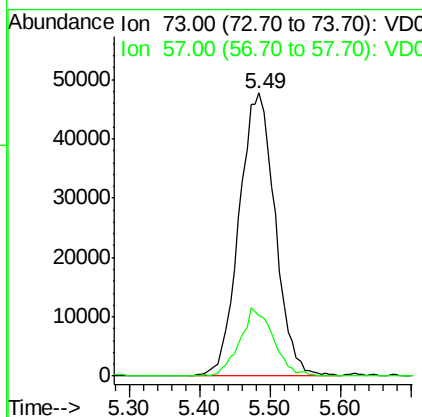
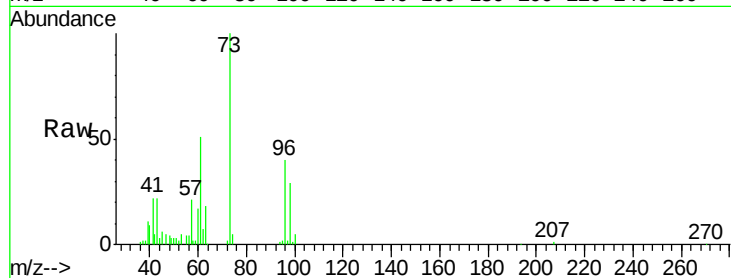
#19
Methvl tert-butvl Ether
Concen: 20.149 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

Tot Ion: 73 Resp: 169402
Ion Ratio Lower Upper
73 100
57 21.3 17.6 26.4

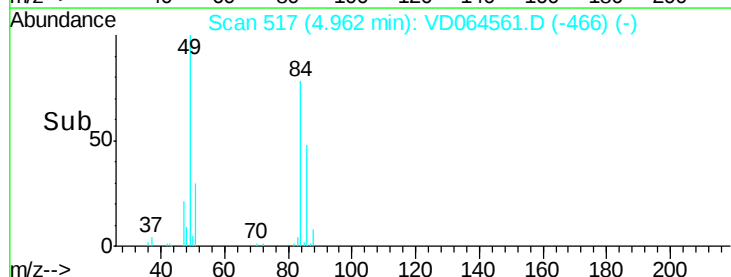
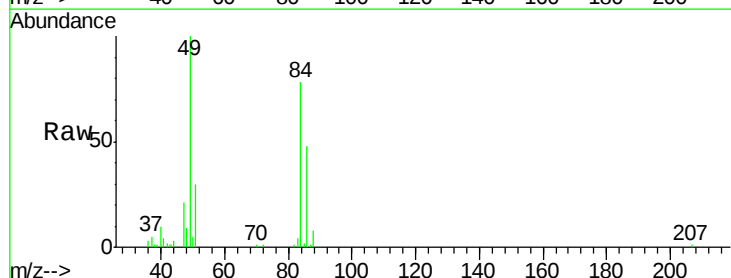
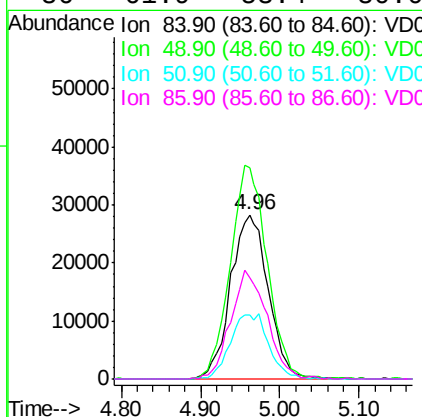
Manual Integrations
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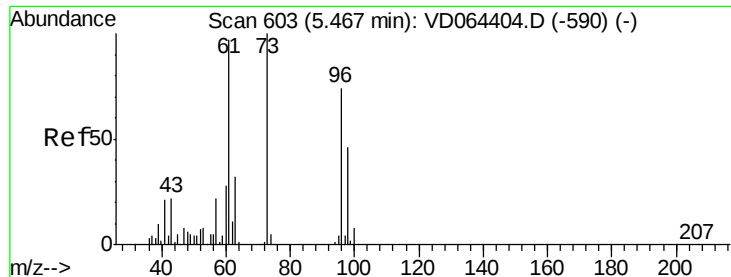
apatel
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#20
Methylene Chloride
Concen: 22.000 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion: 84 Resp: 92554
Ion Ratio Lower Upper
84 100
49 128.9 102.6 153.8
51 39.1 32.0 48.0
86 61.9 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 21.328 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

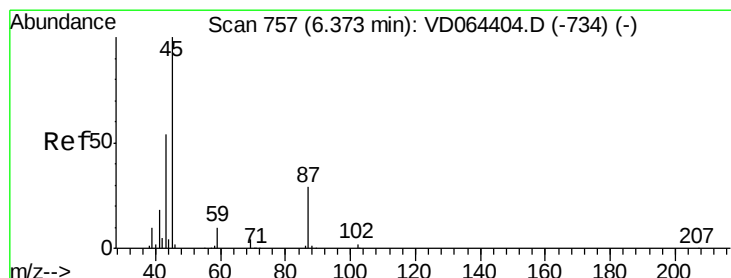
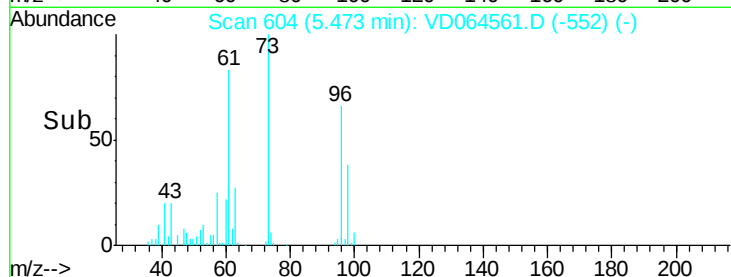
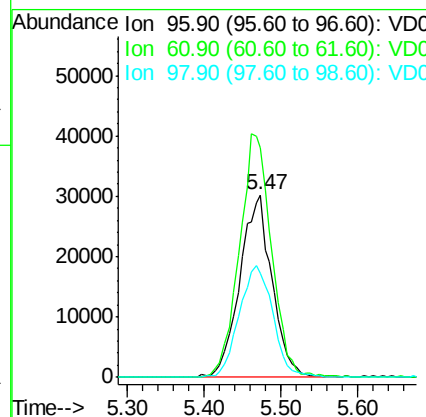
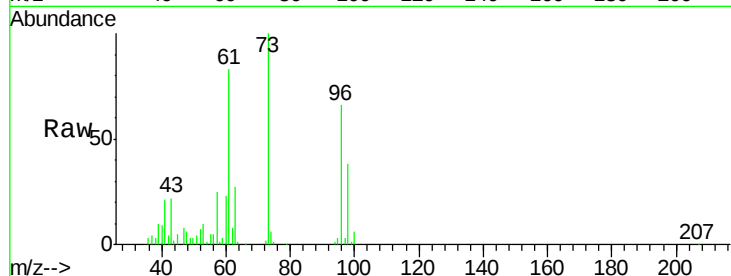
ClientSampleId :

VD1223SBS01

Tot Ion:	96	Resp:	88425
Ion	Ratio	Lower	Upper
96	100		
61	125.8	105.8	158.6
98	57.0	50.1	75.1

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#22

Diisopropyl ether

Concen: 21.258 ug/l

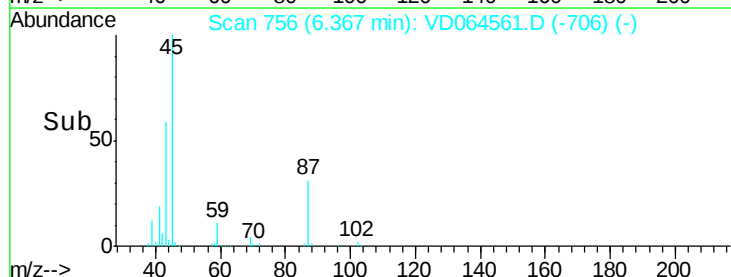
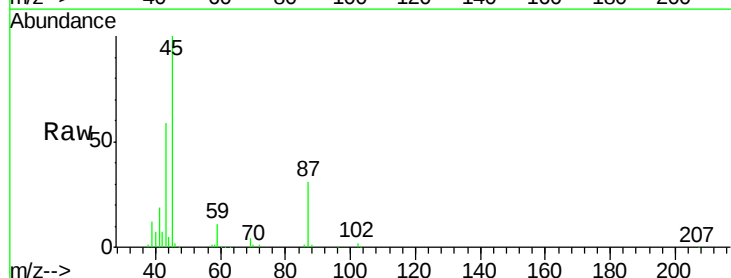
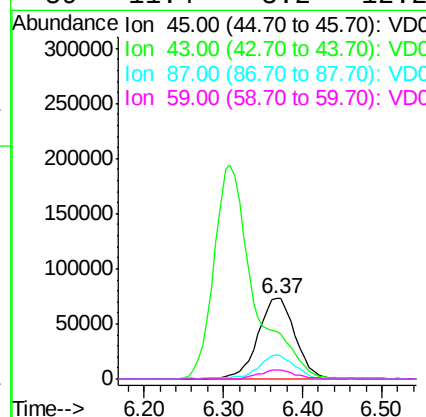
RT: 6.37 min Scan# 756

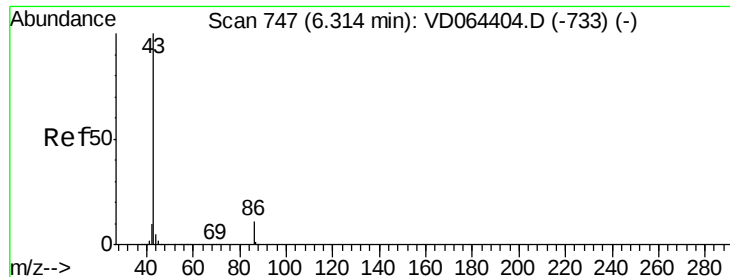
Delta R.T. -0.01 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Tgt Ion:	45	Resp:	240051
Ion	Ratio	Lower	Upper
45	100		
43	58.5	43.1	64.7
87	30.4	23.5	35.3
59	11.4	8.2	12.2





#23

Vinyl Acetate

Concen: 101.452 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Tot Ion: 43 Resp: 675379

Ion Ratio Lower Upper

43 100

86 10.9 8.9 13.3

Instrument :

MSVOA_D

ClientSampleId :

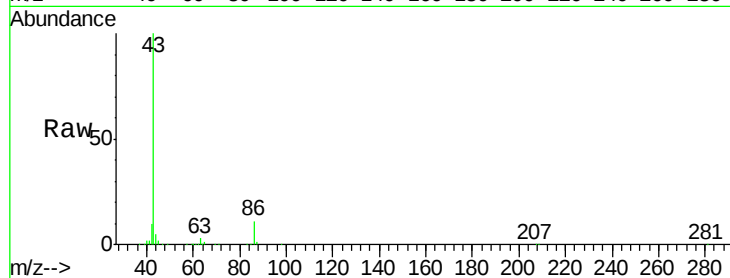
VD1223SBS01

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

200000

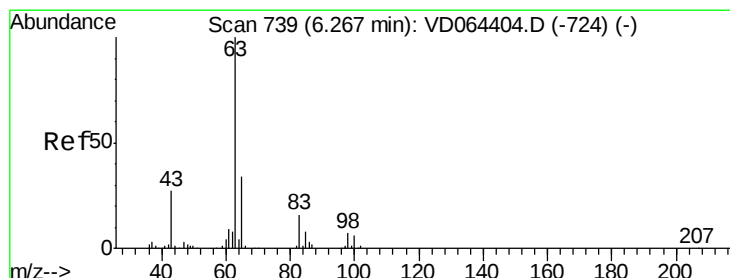
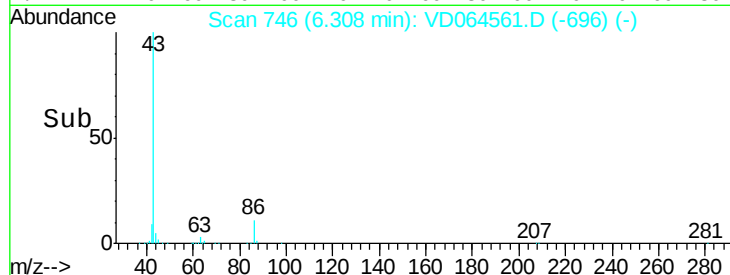
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.973 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

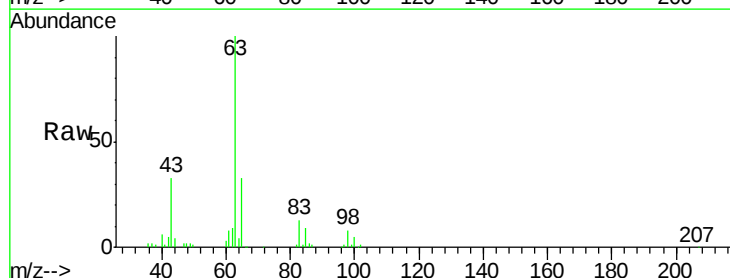
Tgt Ion: 63 Resp: 149219

Ion Ratio Lower Upper

63 100

98 8.1 3.6 10.9

100 4.9 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

6.27

60000

50000

40000

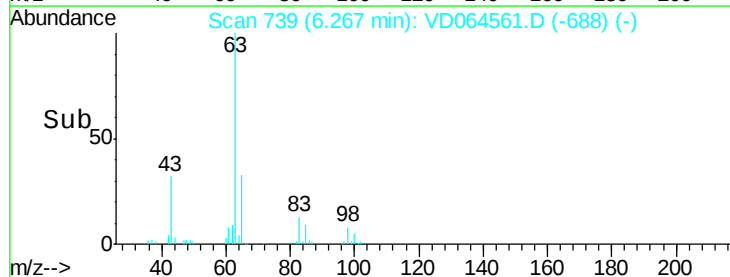
30000

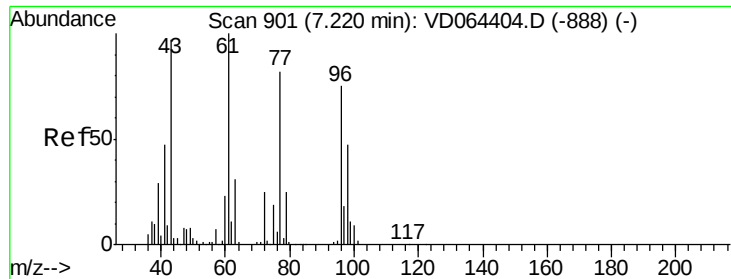
20000

10000

0

Time-->





#25

2-Butanone

Concen: 95.803 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

Tot Ion: 43 Resp: 100773

Ion Ratio Lower Upper

43 100

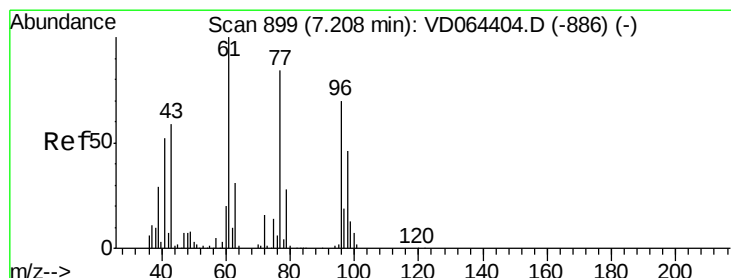
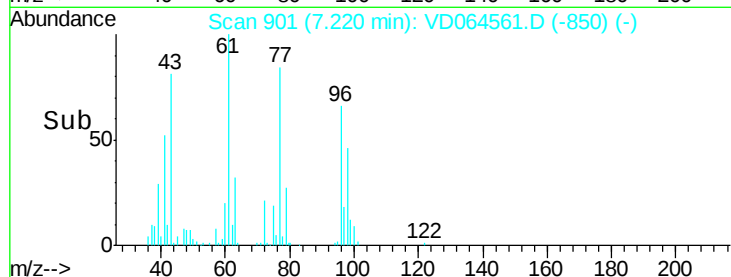
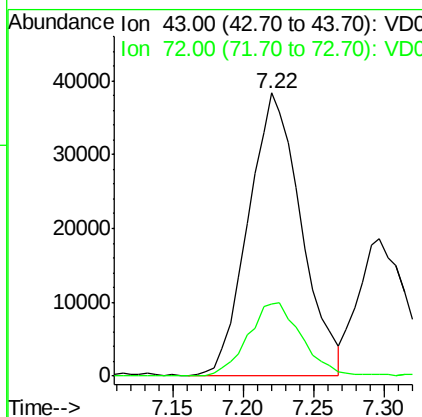
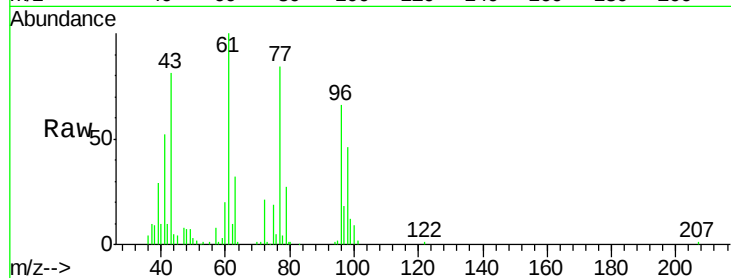
72 25.4 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 23.776 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064561.D

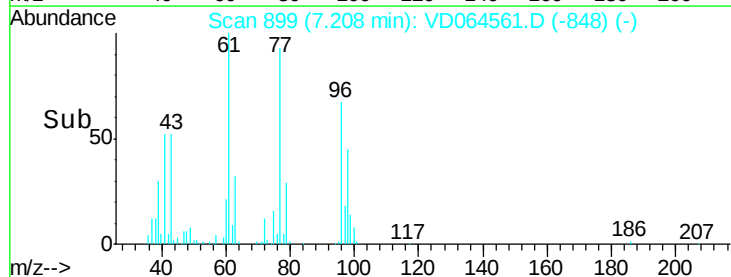
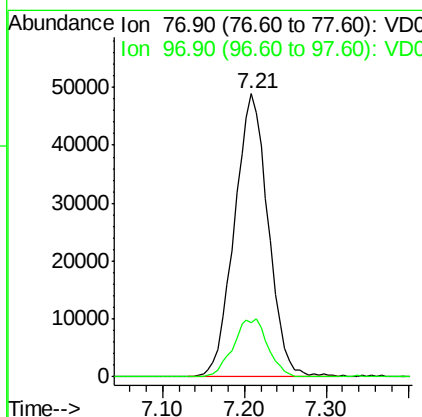
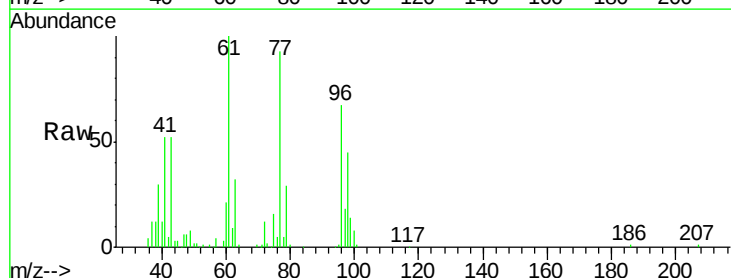
Acq: 23 Dec 2019 11:47

Tgt Ion: 77 Resp: 140418

Ion Ratio Lower Upper

77 100

97 20.9 11.6 34.7





#27

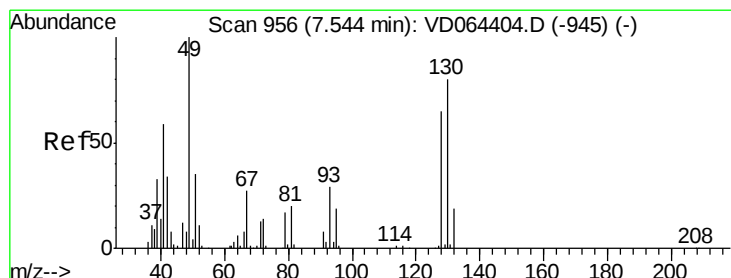
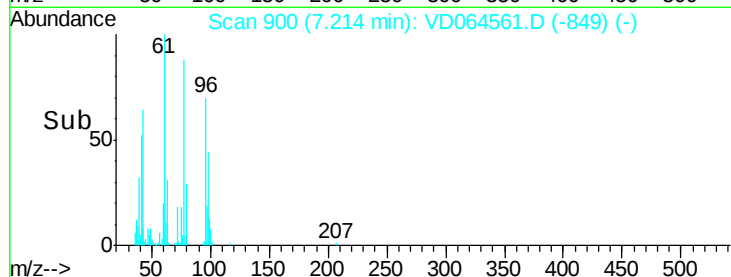
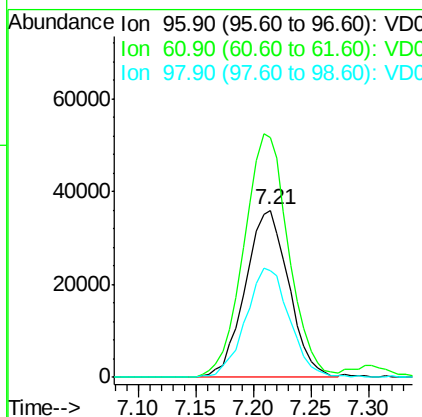
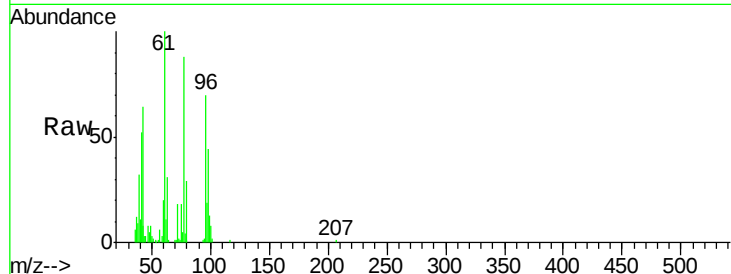
cis-1,2-Dichloroethene
 Concen: 20.921 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	279.6
98	65.7	0.0	129.2

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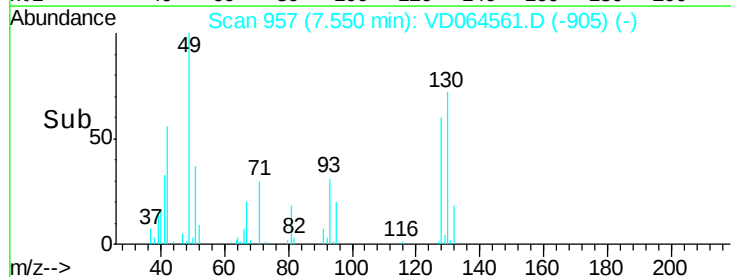
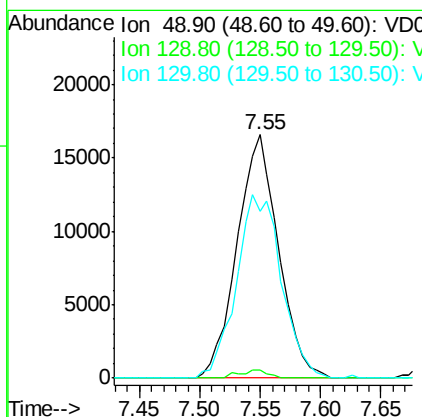
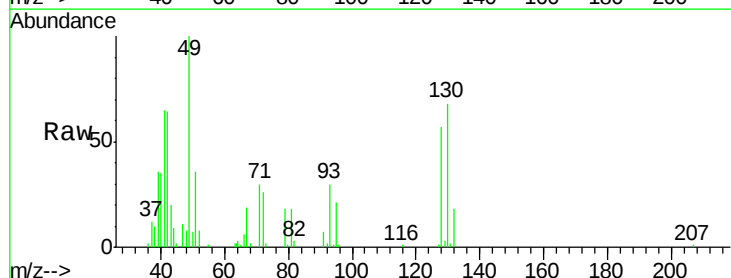
apatel
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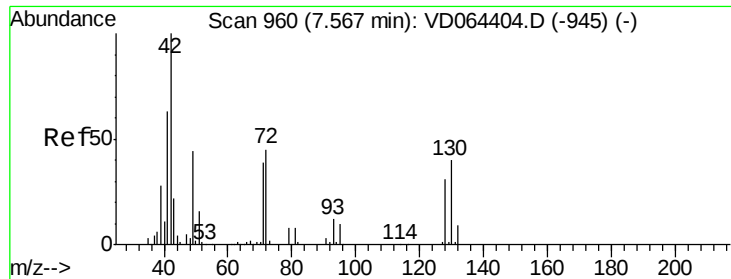


#28

Bromochloromethane
 Concen: 17.051 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	81.9	67.4	101.0





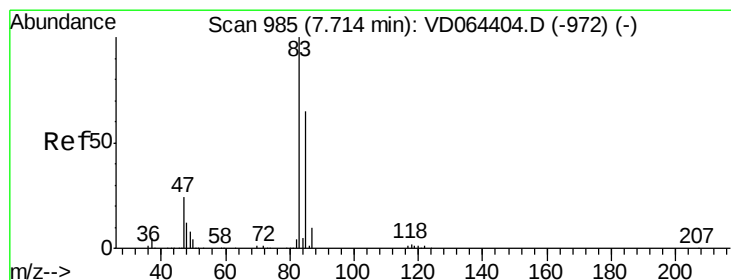
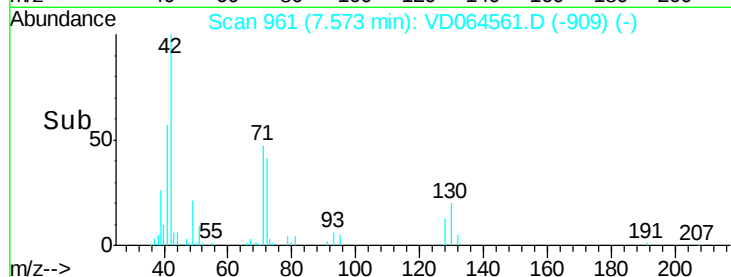
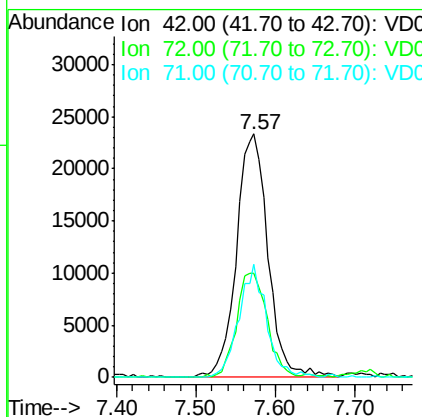
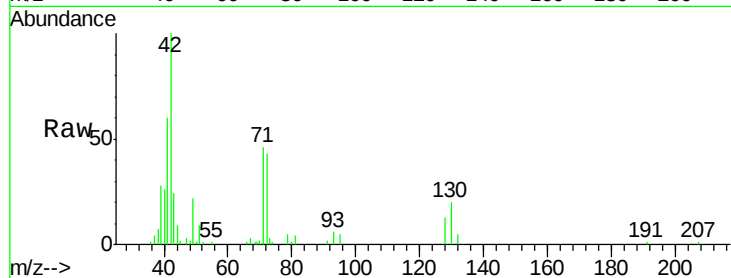
#29
Tetrahydrofuran
Concen: 96.146 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	35.8	53.8
71	40.6	32.7	49.1

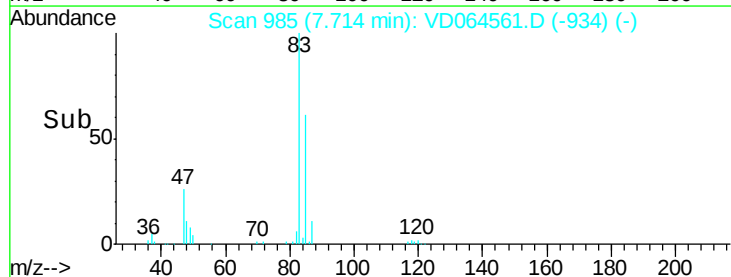
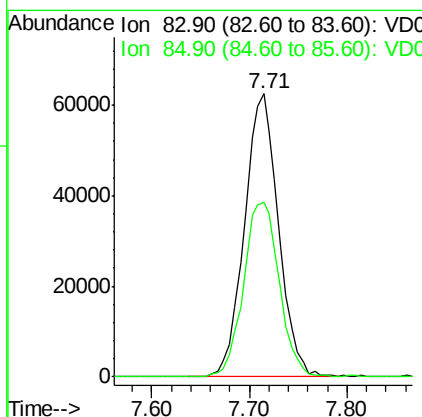
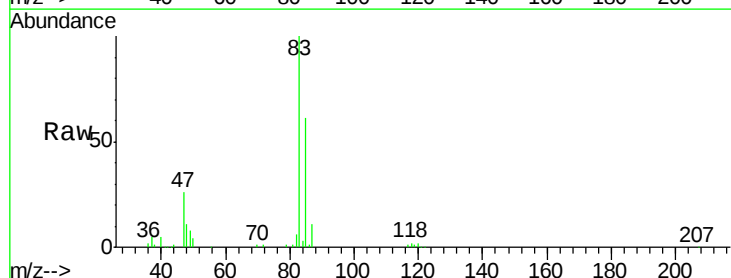
Manual Integrations
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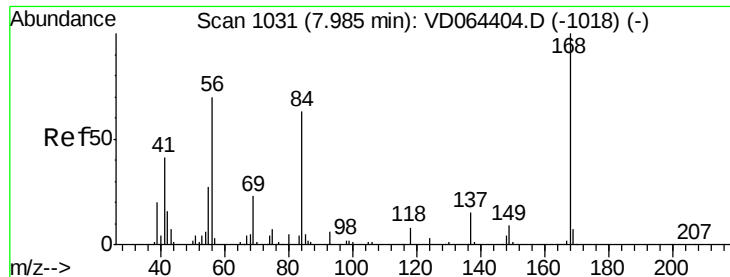
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#30
Chloroform
Concen: 21.689 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.8	77.6





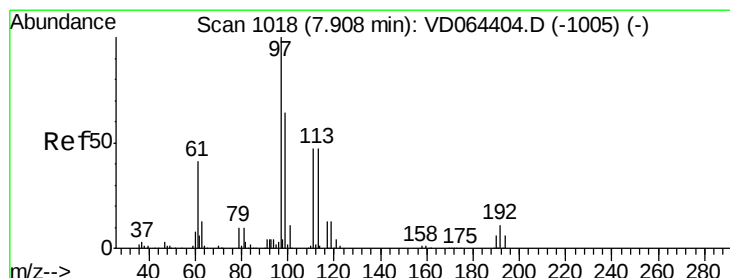
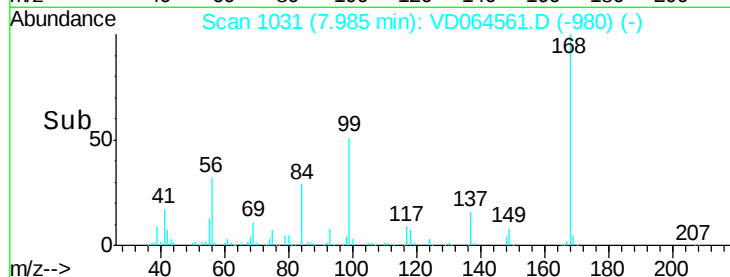
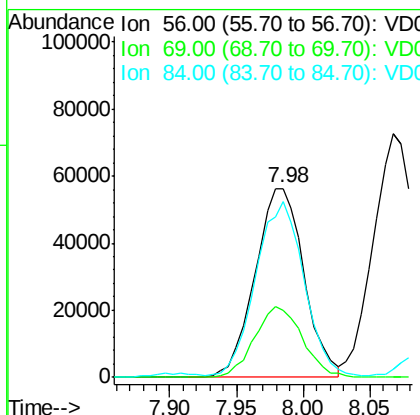
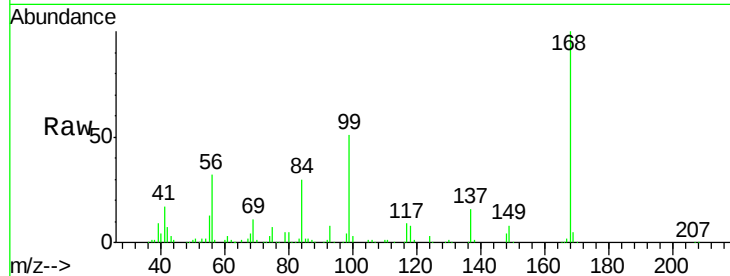
#31
Cyclohexane
Concen: 21.490 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleID :
VD1223SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.2	26.2	39.4
84	91.9	70.3	105.5

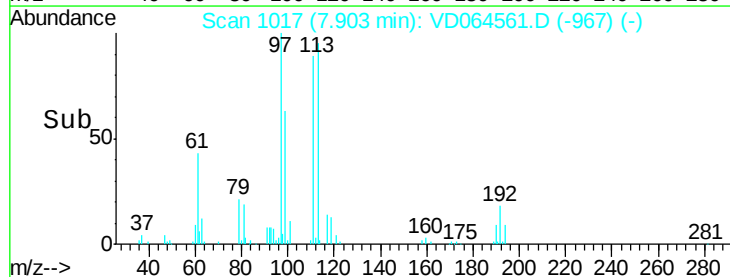
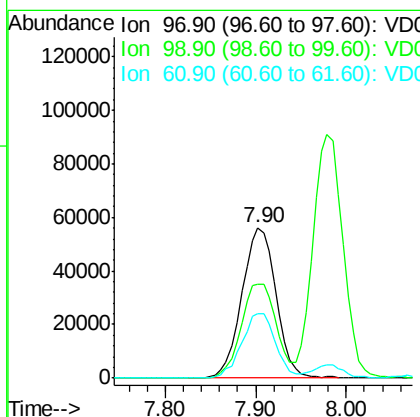
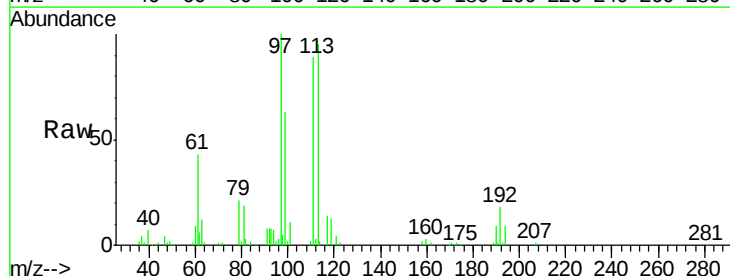
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#32
1,1,1-Trichloroethane
Concen: 22.513 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.2
61	42.6	35.0	52.4





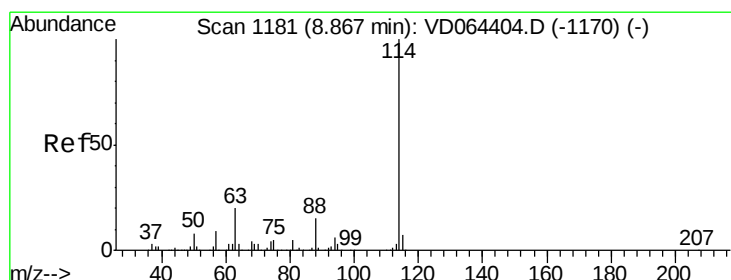
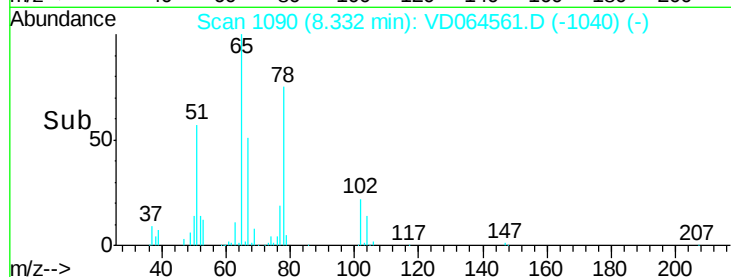
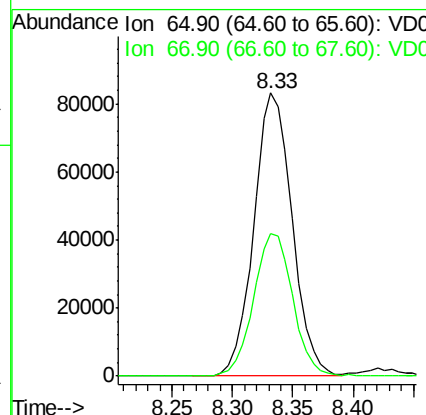
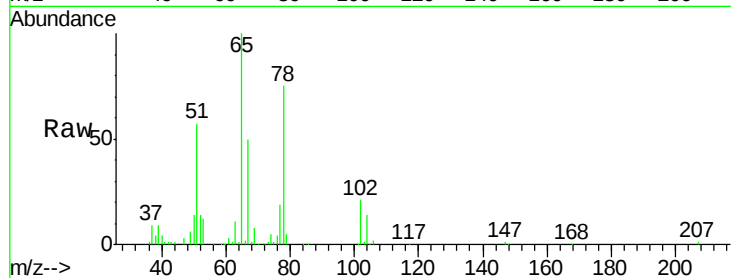
#33
 1,2-Dichloroethane-d4
 Concen: 50.129 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	184510		
67	51.5	0.0	102.0	

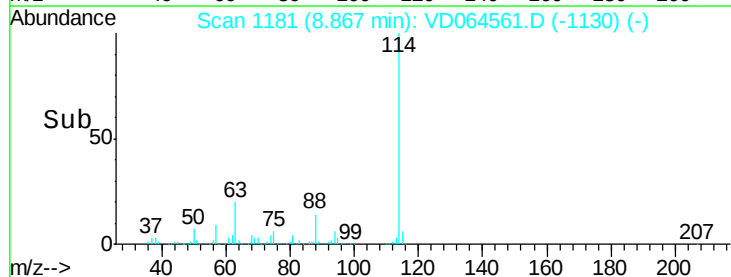
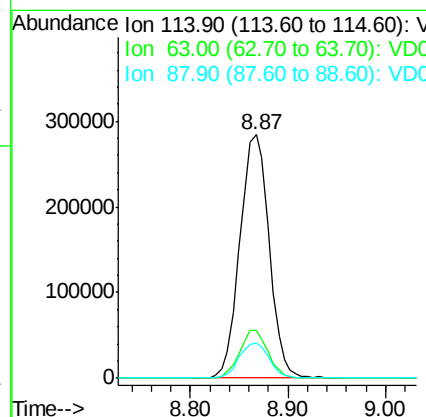
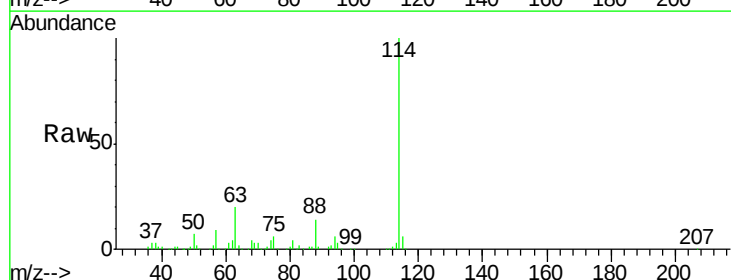
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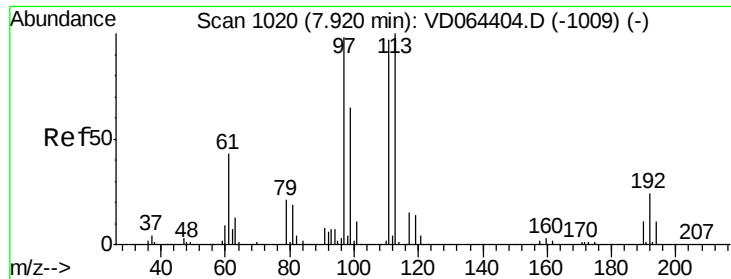
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	592767		
63	19.6	0.0	40.0	
88	14.3	0.0	29.2	





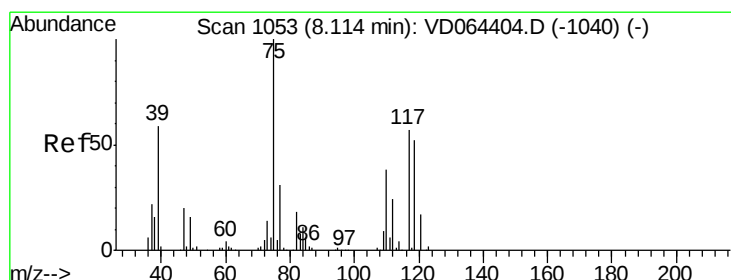
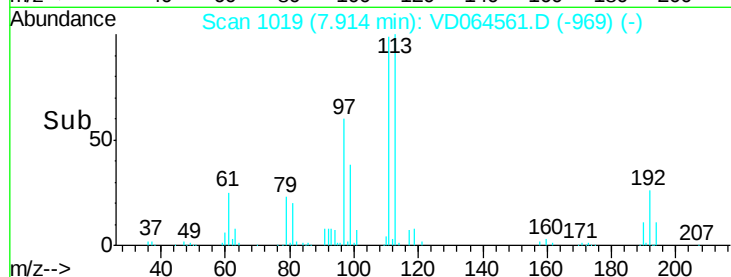
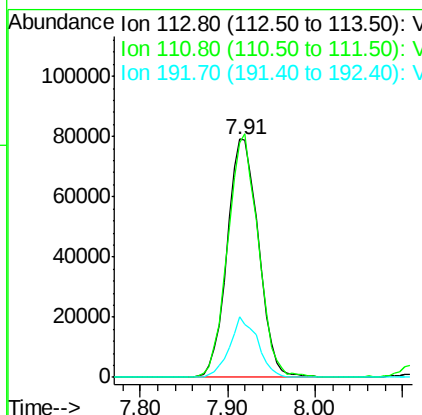
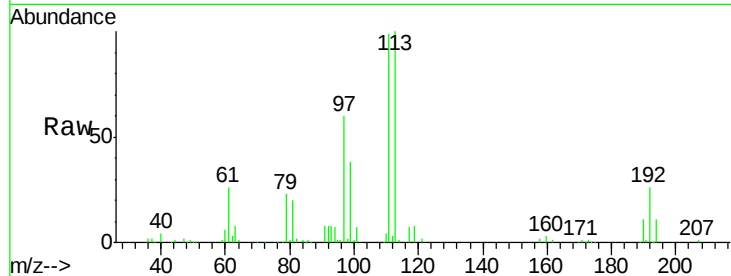
#35
 Dibromofluoromethane
 Concen: 51.795 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	193442		
111	99.5	79.4	119.2	
192	22.7	18.6	28.0	

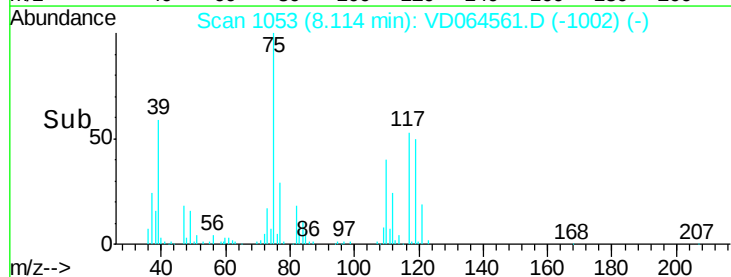
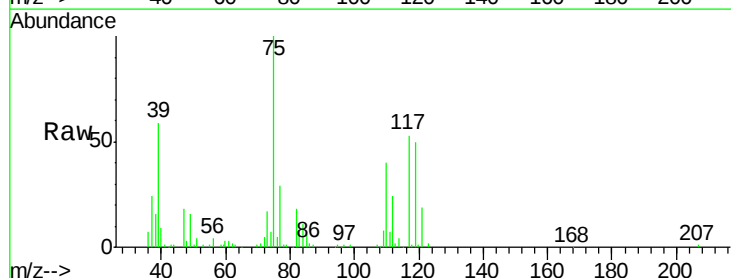
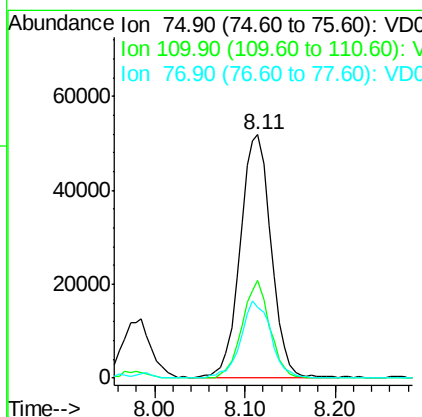
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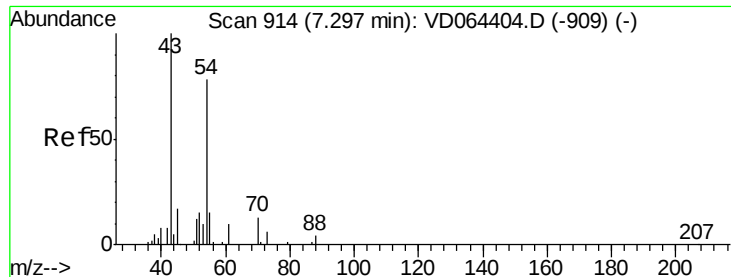
apatel
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#36
 1,1-Dichloropropene
 Concen: 22.028 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	123507		
110	35.6	18.6	55.8	
77	30.8	25.0	37.4	





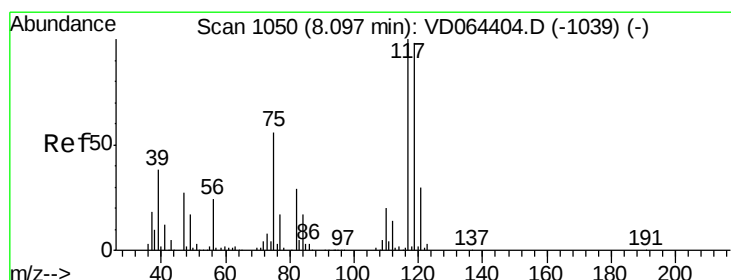
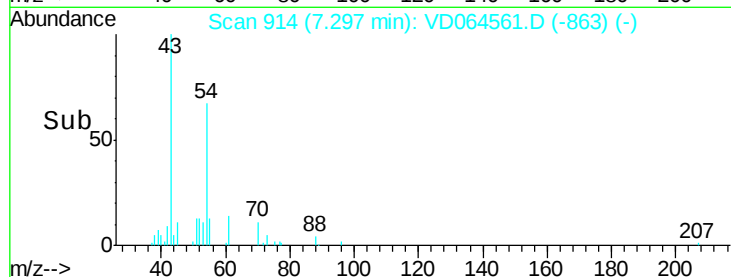
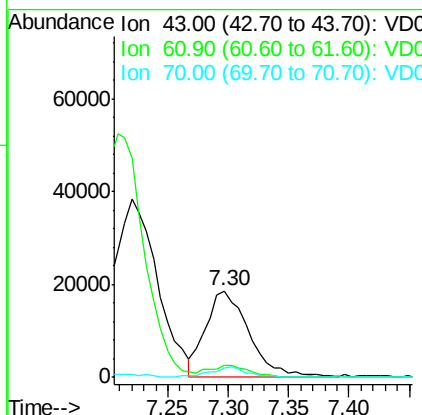
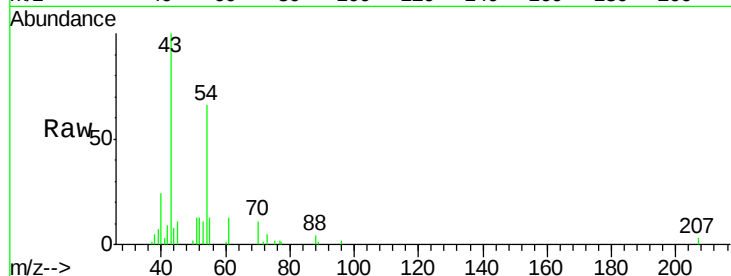
#37
Ethyl Acetate
Concen: 19.119 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.9	16.3
70	10.4	8.3	12.5

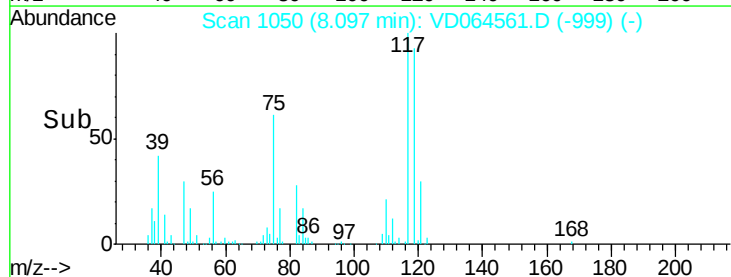
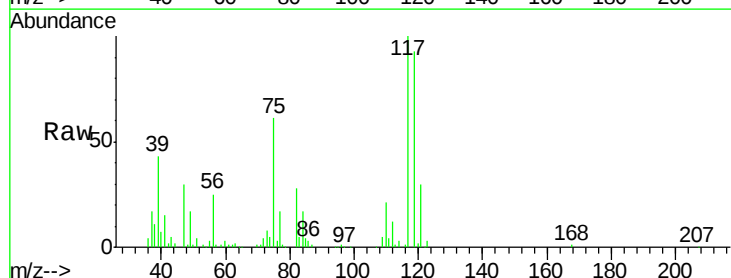
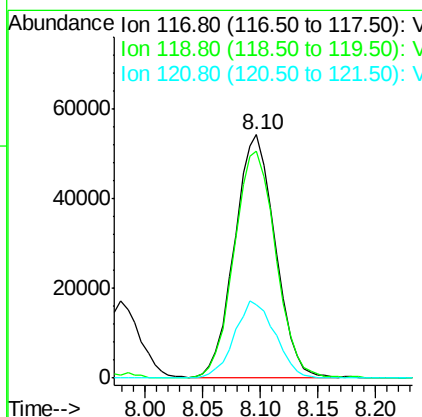
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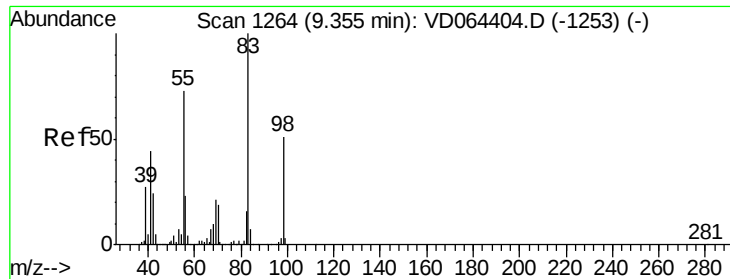
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#38
Carbon Tetrachloride
Concen: 22.549 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	78.8	118.2
121	30.2	24.2	36.2





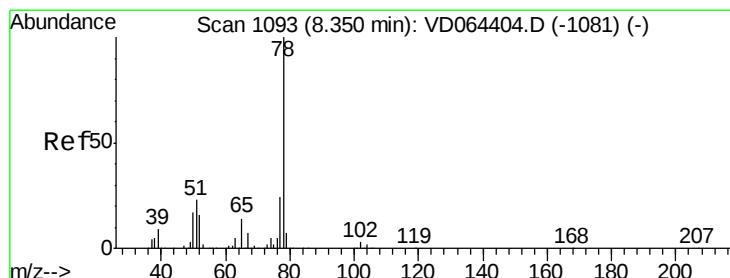
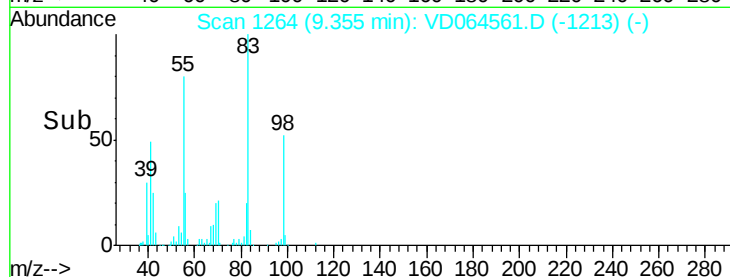
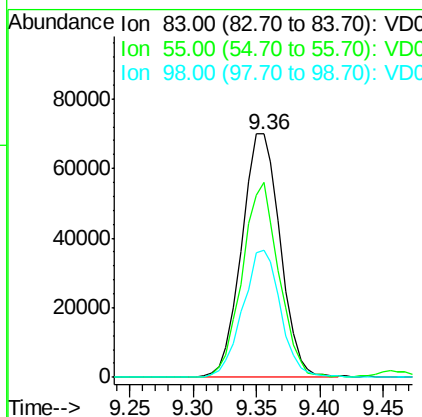
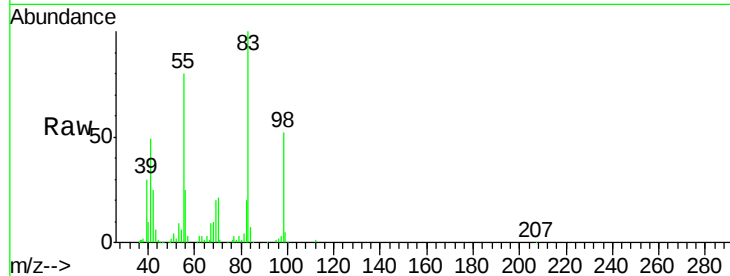
#39
Methvlcvclohexane
Concen: 21.260 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.3	58.6	87.8
98	52.0	40.9	61.3

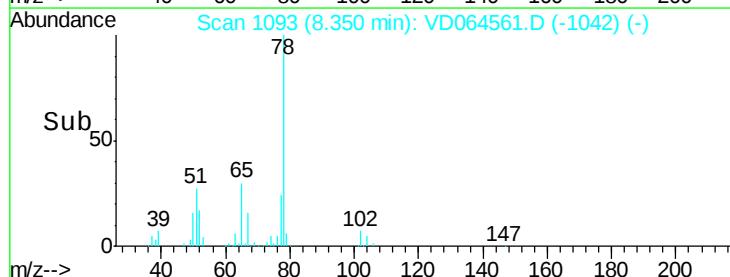
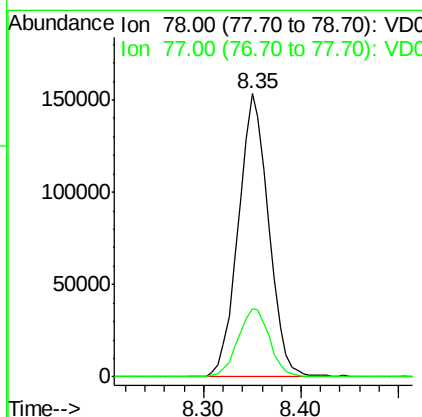
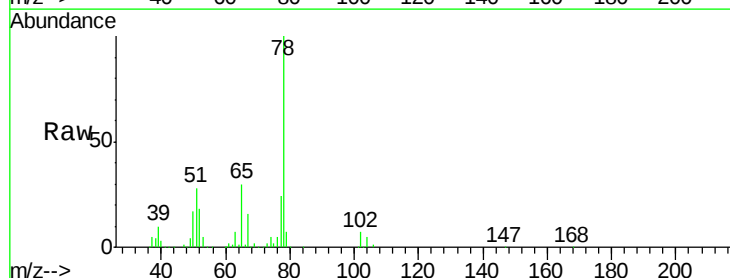
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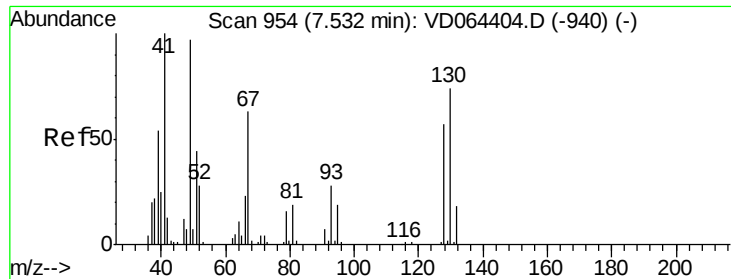
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#40
Benzene
Concen: 21.382 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.6	29.4





#41

Methacrylonitrile

Concen: 16.680 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

Tot Ion: 41 Resp: 22757

Ion Ratio Lower Upper

41 100

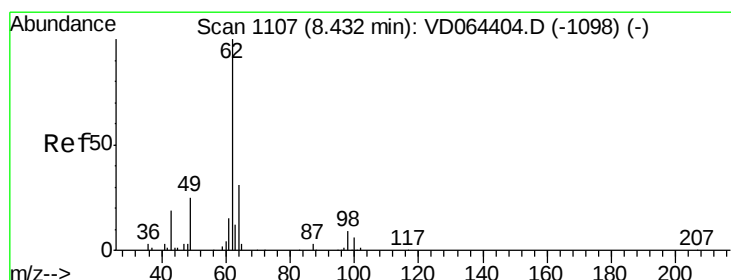
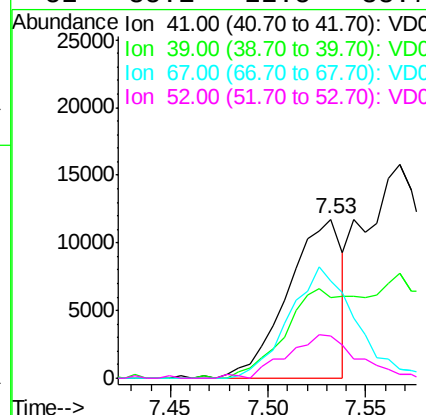
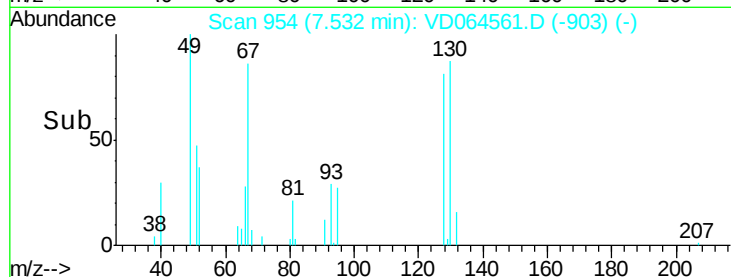
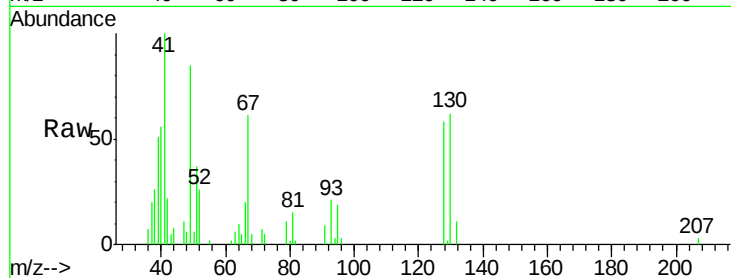
39 68.2 44.6 67.0#

67 86.2 50.9 76.3#

52 35.1 22.5 33.7#

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#42

1,2-Dichloroethane

Concen: 21.461 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064561.D

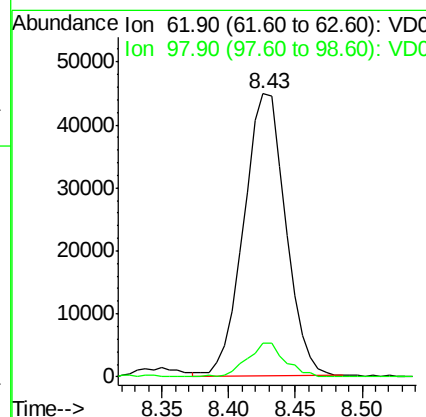
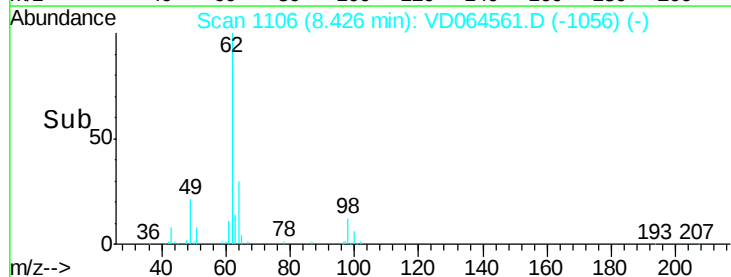
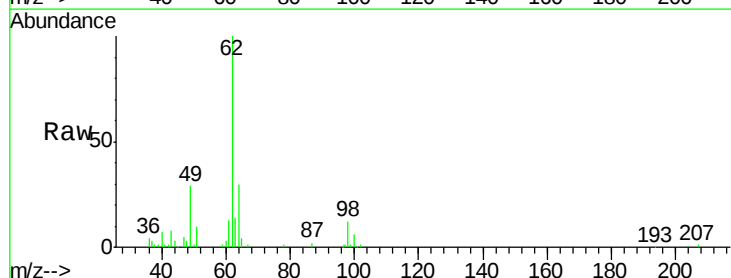
Acq: 23 Dec 2019 11:47

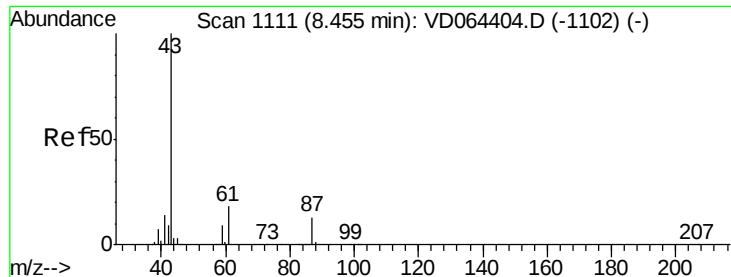
Tgt Ion: 62 Resp: 97463

Ion Ratio Lower Upper

62 100

98 10.7 0.0 20.6





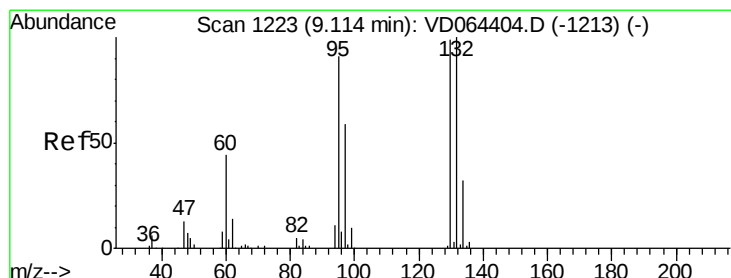
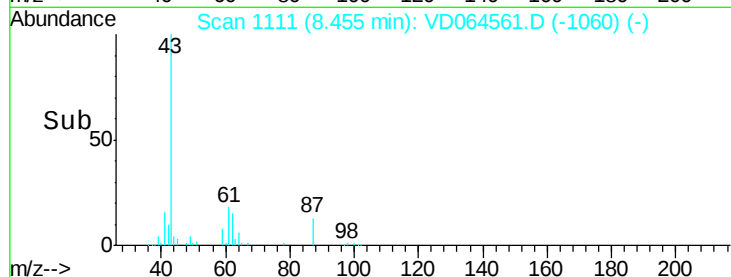
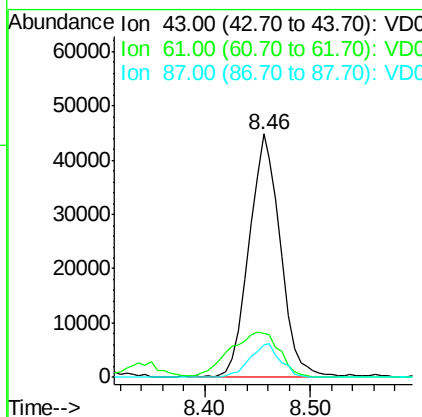
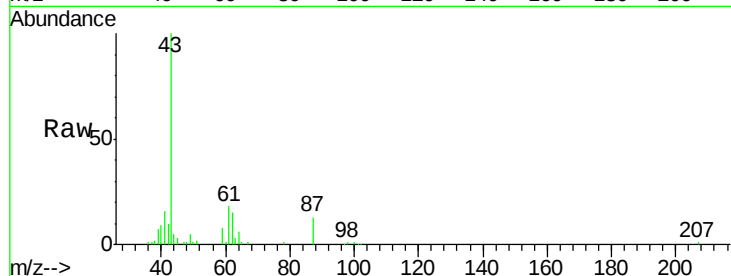
#43
Isopropyl Acetate
Concen: 19.802 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.3	24.0	36.0
87	13.4	10.6	15.8

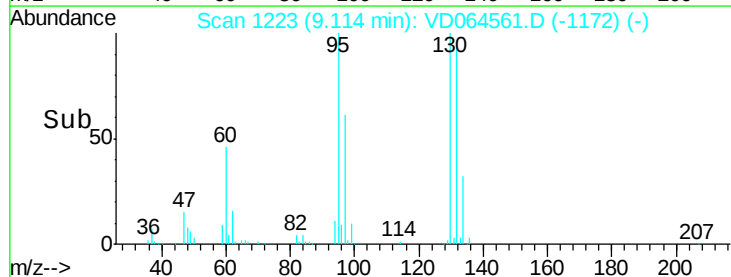
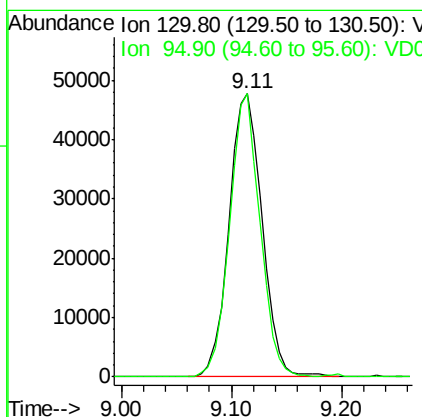
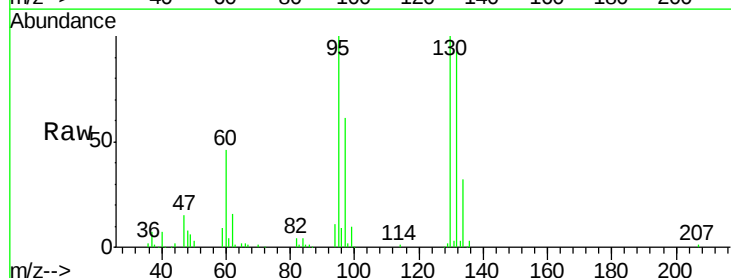
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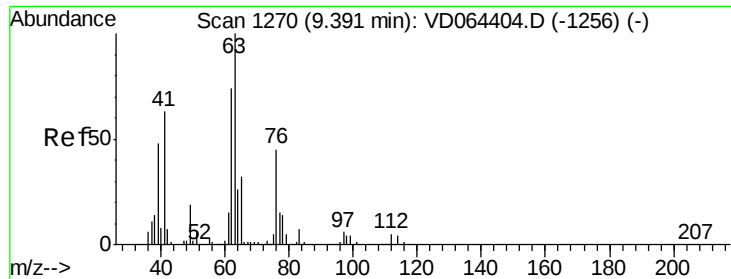
apatel
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#44
Trichloroethene
Concen: 21.375 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	184.6





#45

1,2-Dichloropropane

Concen: 21.940 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

Tot Ion: 63 Resp: 81711

Ion Ratio Lower Upper

63 100

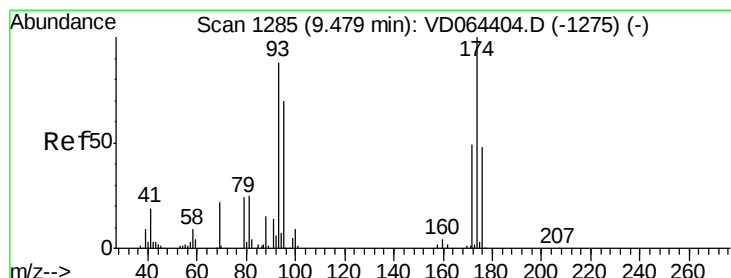
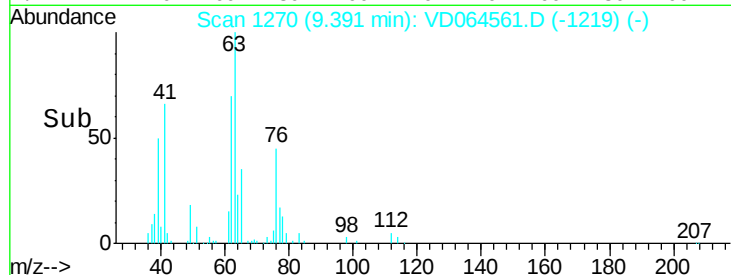
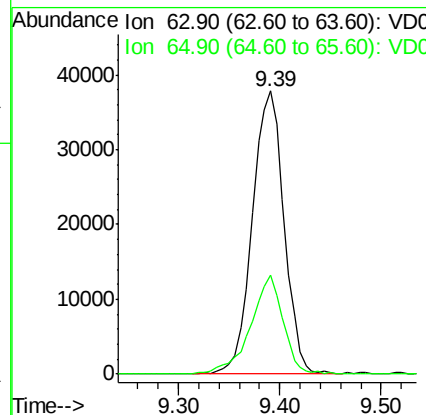
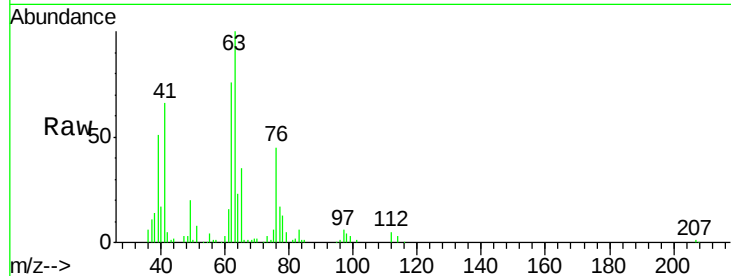
65 35.2 25.4 38.0

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#46

Dibromomethane

Concen: 20.276 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

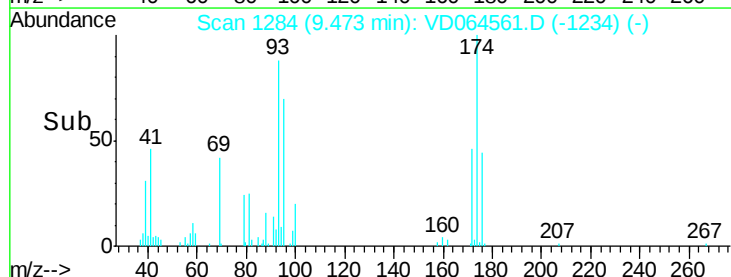
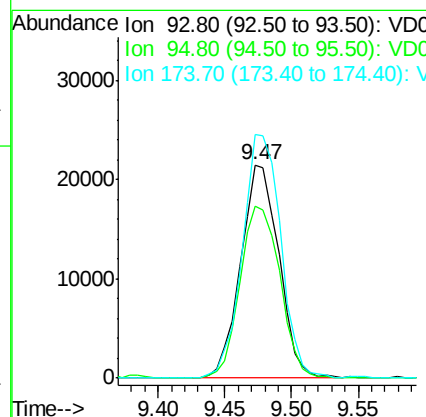
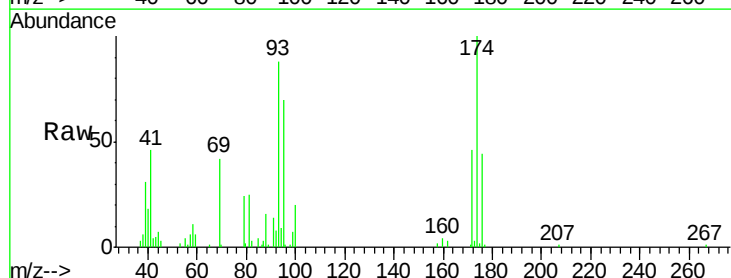
Tgt Ion: 93 Resp: 42619

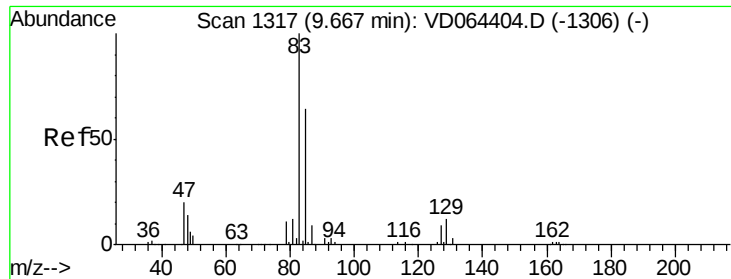
Ion Ratio Lower Upper

93 100

95 84.3 66.7 100.1

174 114.5 92.3 138.5





#47

Bromodichloromethane

Concen: 21.766 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

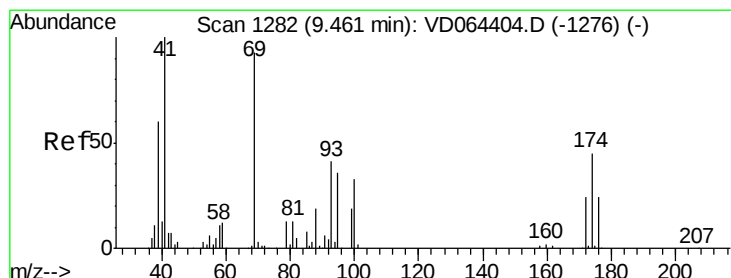
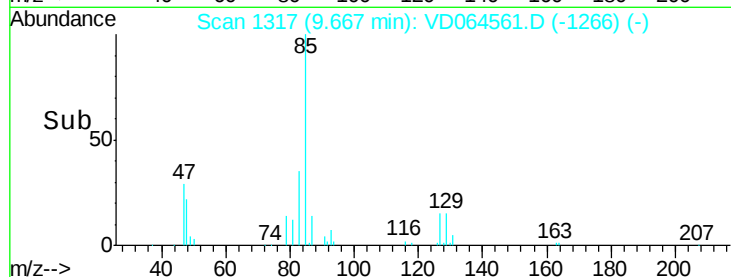
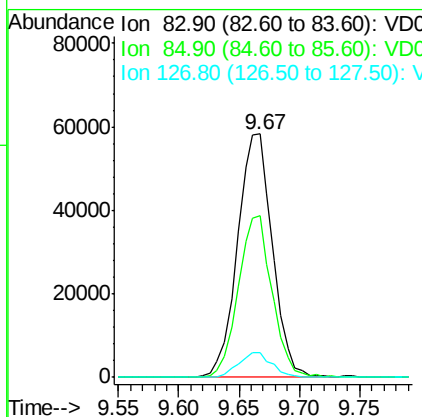
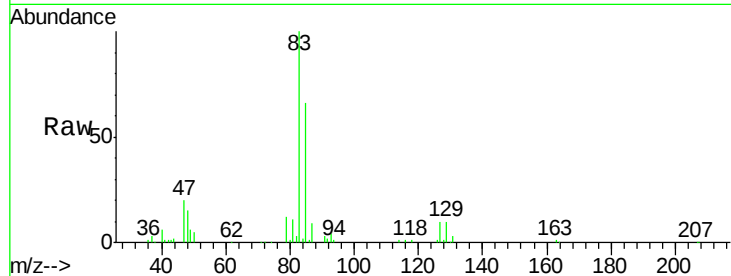
ClientSampleId :

VD1223SBS01

Tot Ion:	83	Resp:	117556
Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.1	76.7
127	10.1	7.4	11.0

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#48

Methyl methacrylate

Concen: 18.710 ug/l

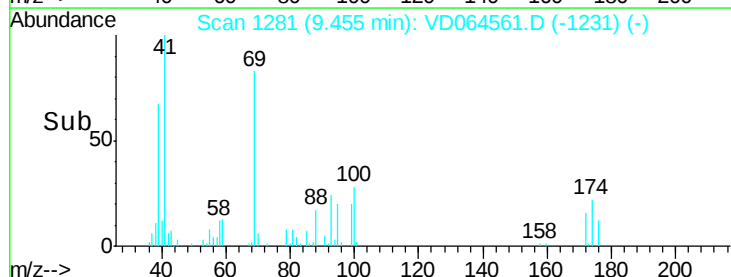
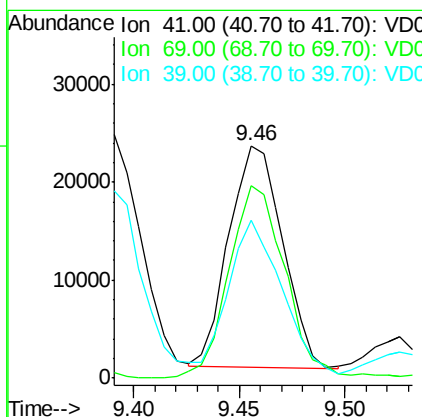
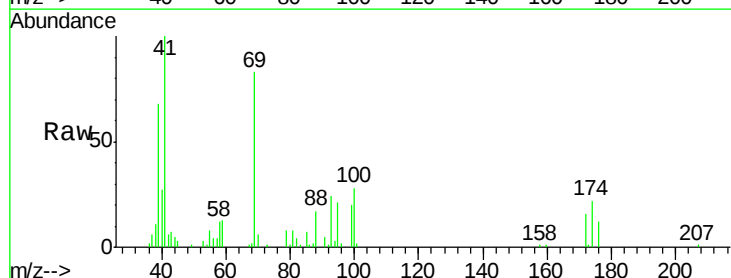
RT: 9.46 min Scan# 1281

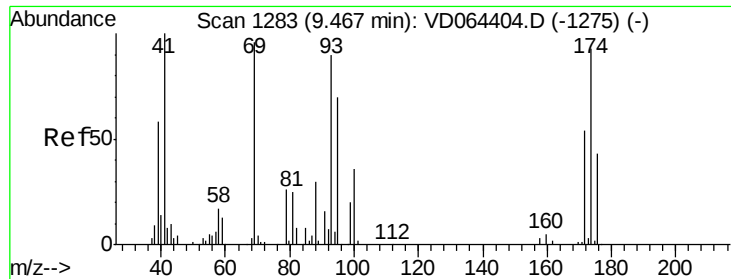
Delta R.T. -0.01 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Tgt Ion:	41	Resp:	40049
Ion	Ratio	Lower	Upper
41	100		
69	91.1	72.0	108.0
39	68.0	55.2	82.8





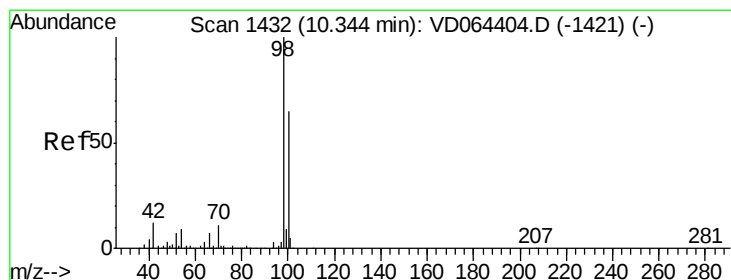
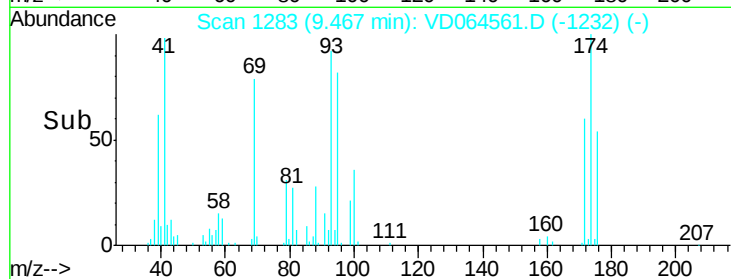
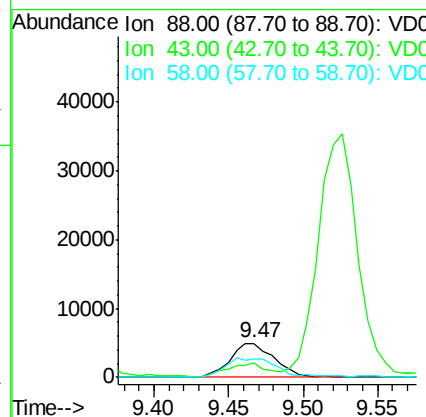
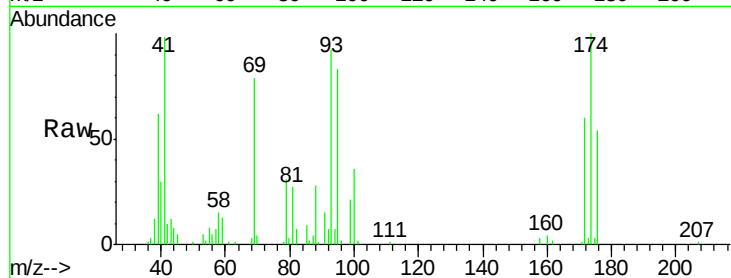
#49
1,4-Dioxane
Concen: 389.504 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

Tot Ion	88	Resp	10110
Ion Ratio	Lower	Upper	
88	100		
43	38.9	26.7	40.1
58	66.6	52.3	78.5

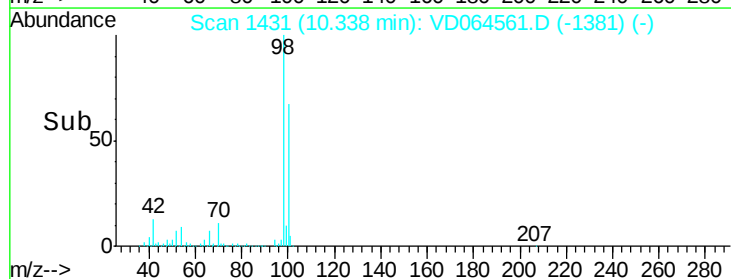
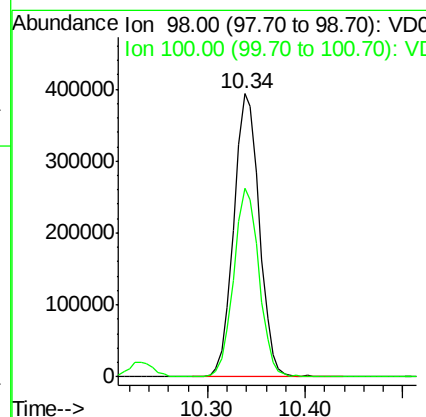
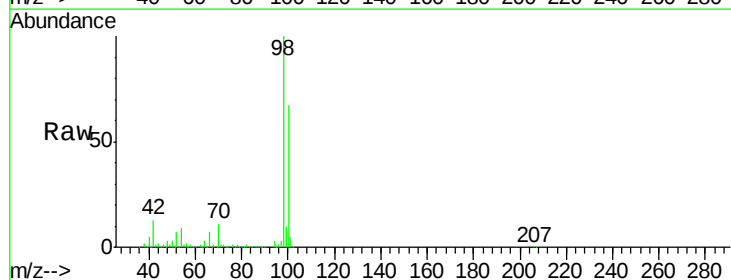
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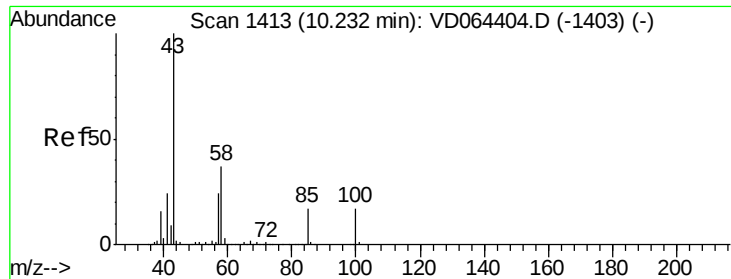
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#50
Toluene-d8
Concen: 50.894 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion	98	Resp	715997
Ion Ratio	Lower	Upper	
98	100		
100	66.3	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 97.319 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

Tot Ion: 43 Resp: 225244

Ion Ratio Lower Upper

43 100

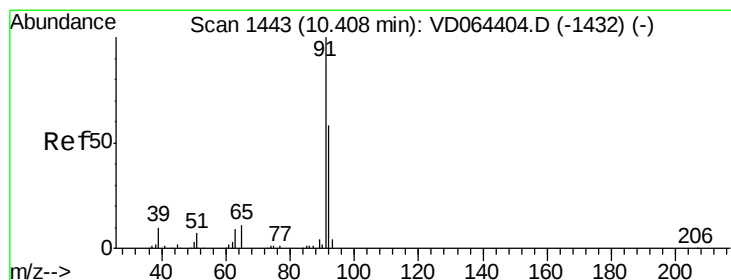
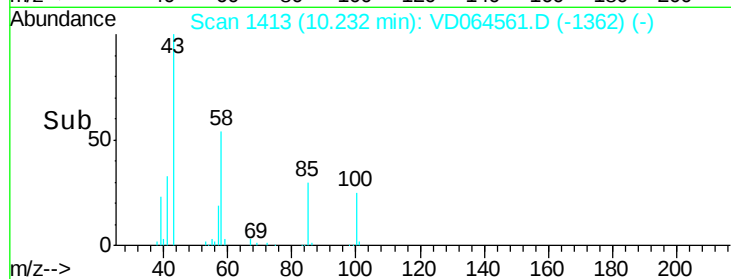
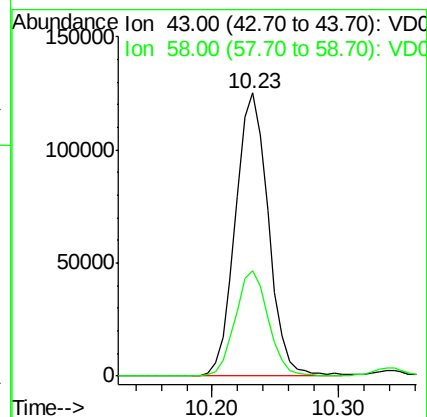
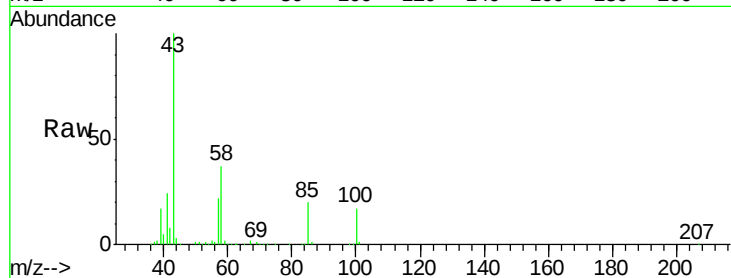
58 37.5 30.6 46.0

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#52

Toluene

Concen: 21.067 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064561.D

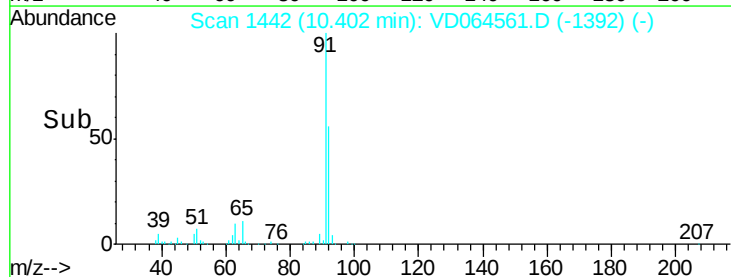
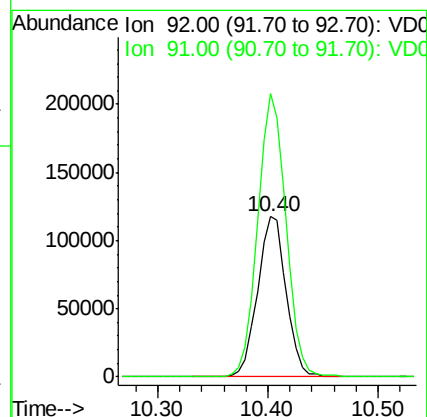
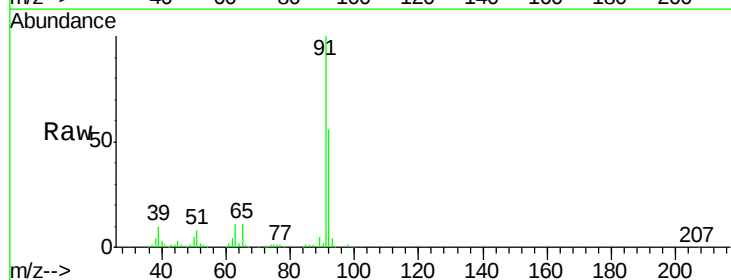
Acq: 23 Dec 2019 11:47

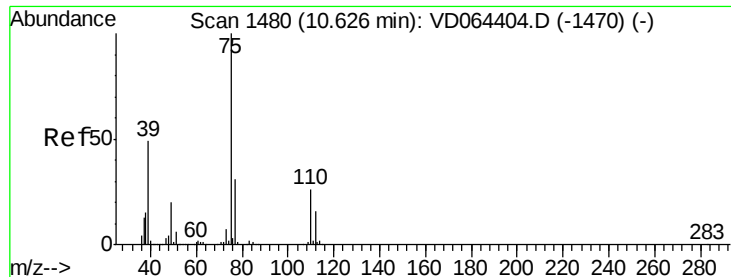
Tgt Ion: 92 Resp: 213802

Ion Ratio Lower Upper

92 100

91 175.4 137.8 206.6





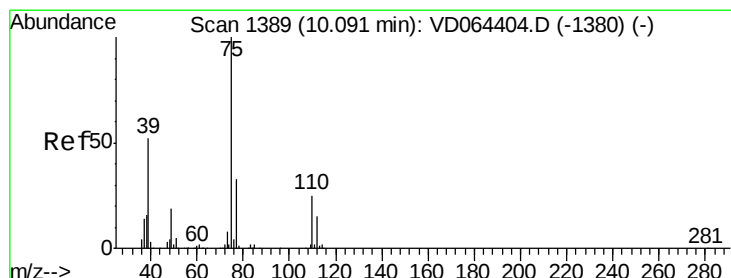
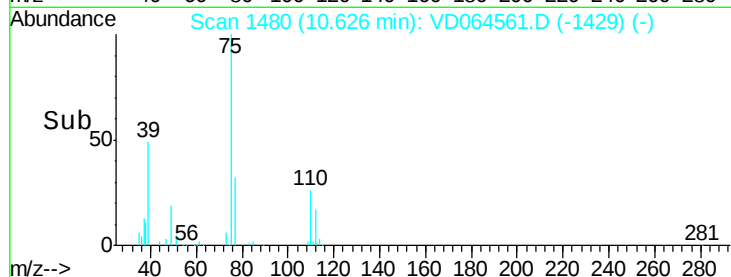
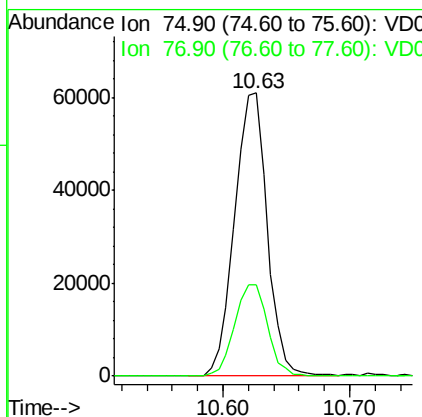
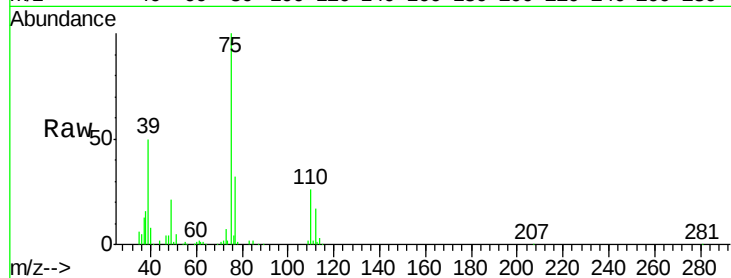
#53
 t-1,3-Dichloropropene
 Concen: 21.128 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.0	37.4

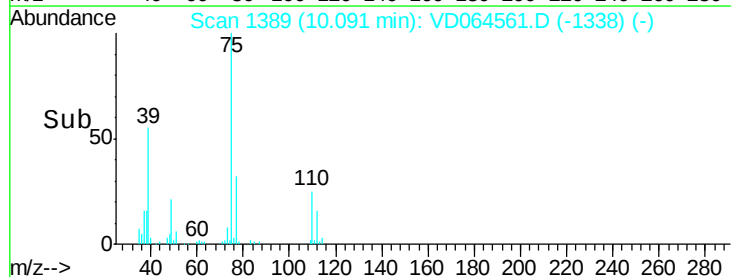
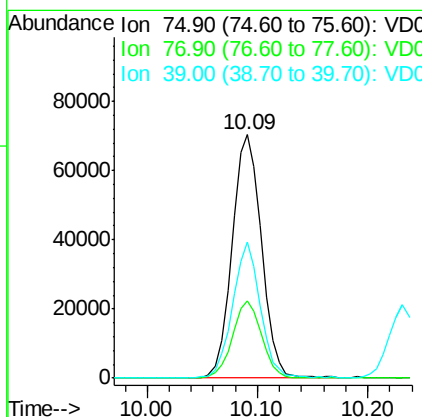
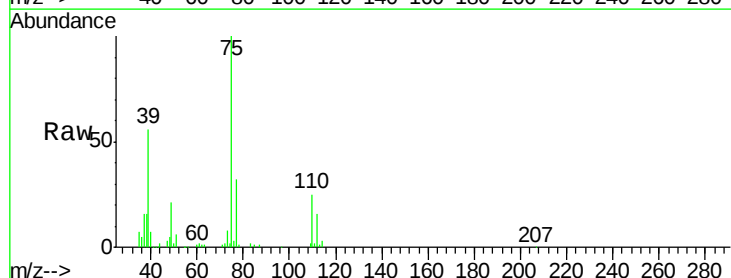
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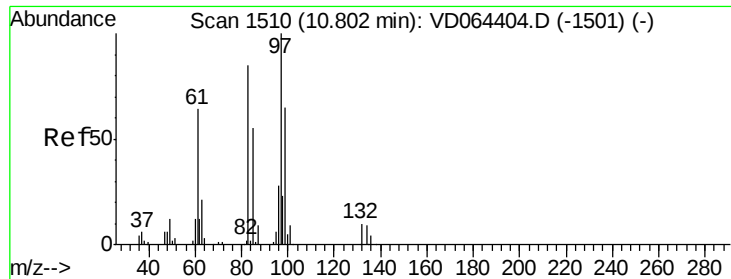
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#54
 cis-1,3-Dichloropropene
 Concen: 21.497 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.1	39.1
39	55.9	41.5	62.3





#55

1,1,2-Trichloroethane

Concen: 20.761 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

Tot Ion: 97 Resp: 59755

Ion Ratio Lower Upper

97 100

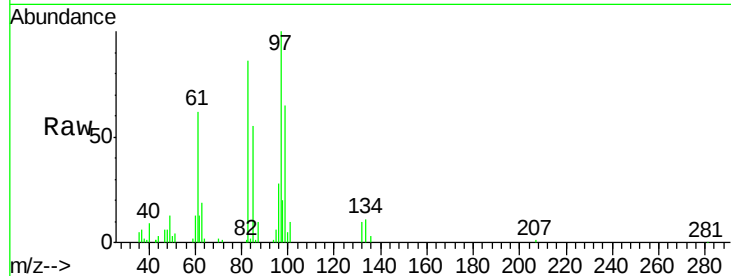
83 86.3 67.8 101.8

85 54.6 43.7 65.5

99 64.6 51.7 77.5

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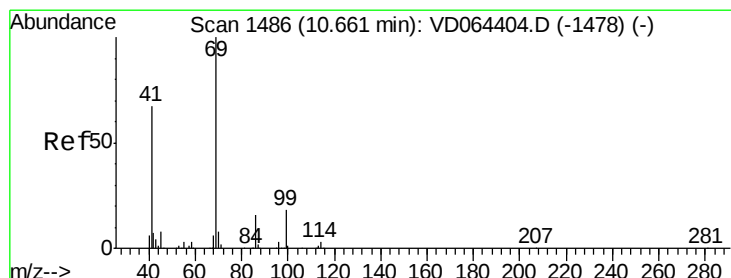
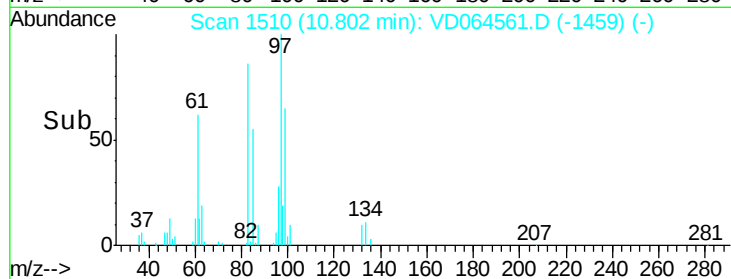
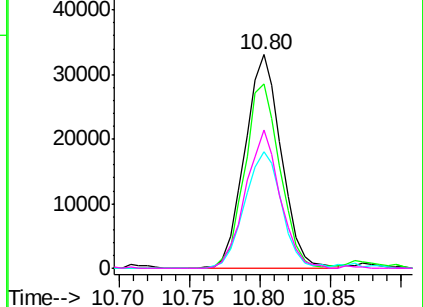


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 19.548 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

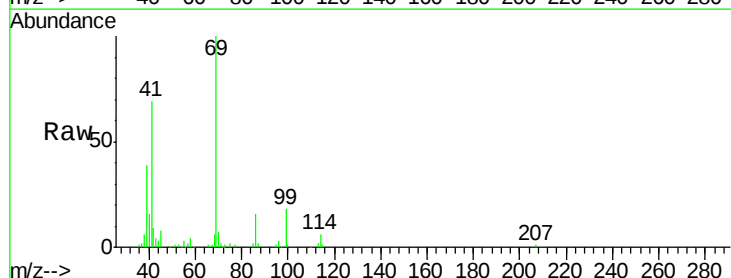
Tgt Ion: 69 Resp: 71759

Ion Ratio Lower Upper

69 100

41 70.1 55.0 82.4

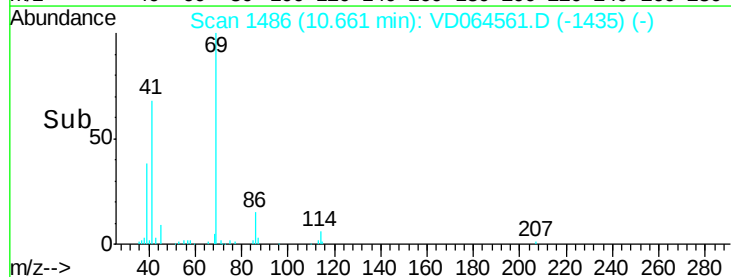
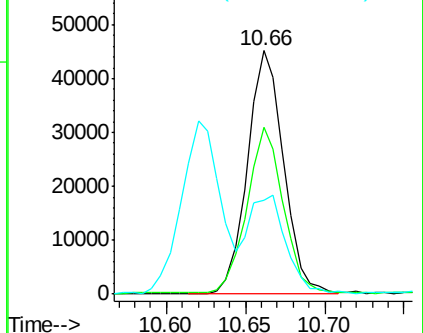
39 42.3 33.0 49.6



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





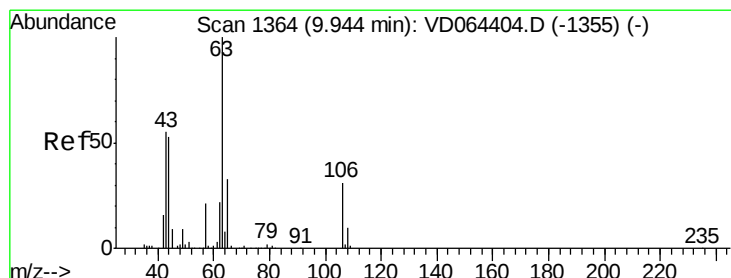
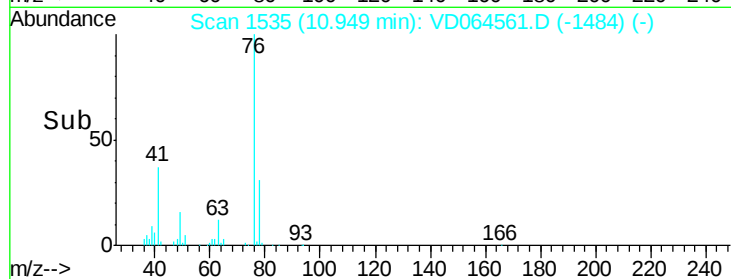
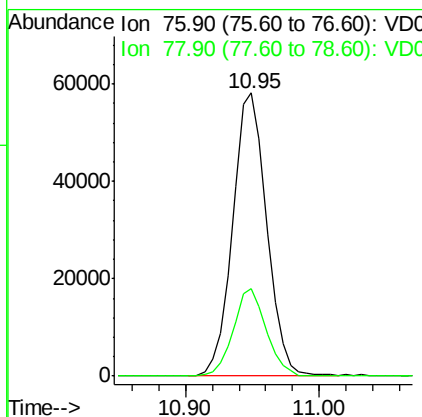
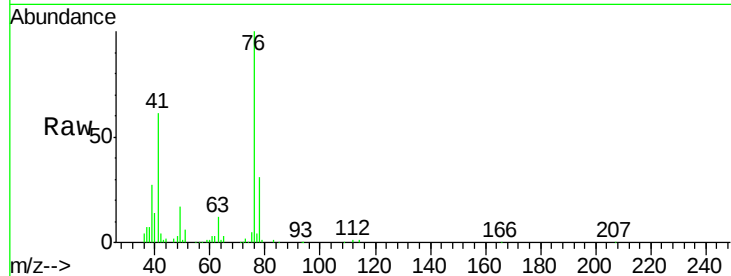
#57
 1,3-Dichloropropane
 Concen: 20.976 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.1	26.0	39.0

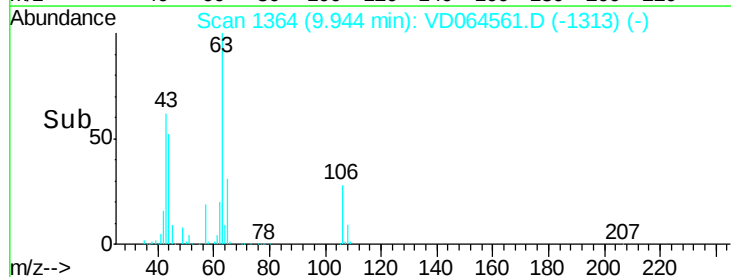
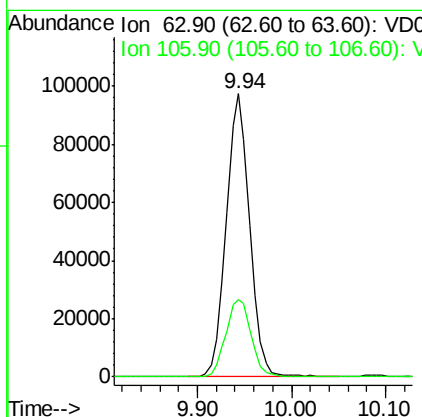
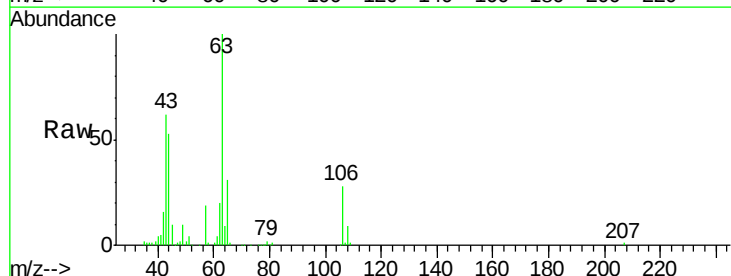
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#58
 2-Chloroethyl Vinyl ether
 Concen: 114.795 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.5	24.2	36.4





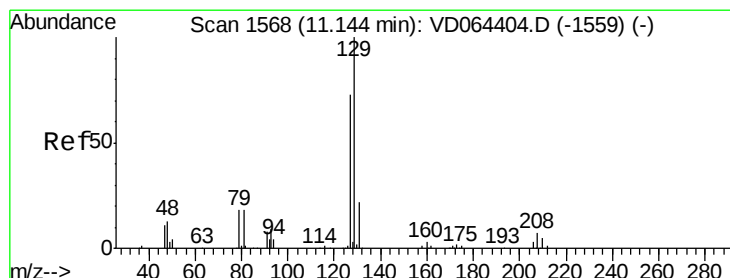
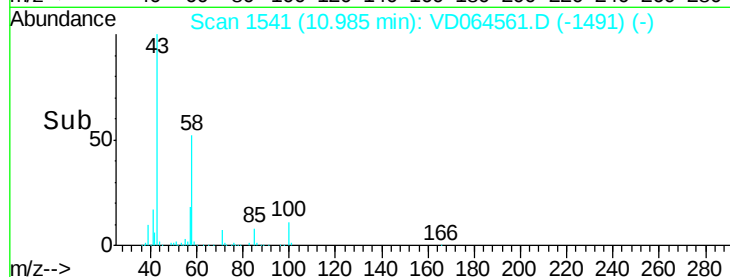
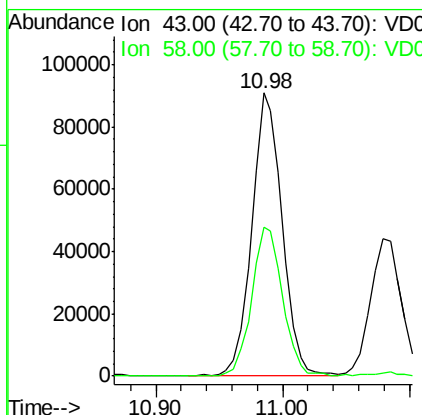
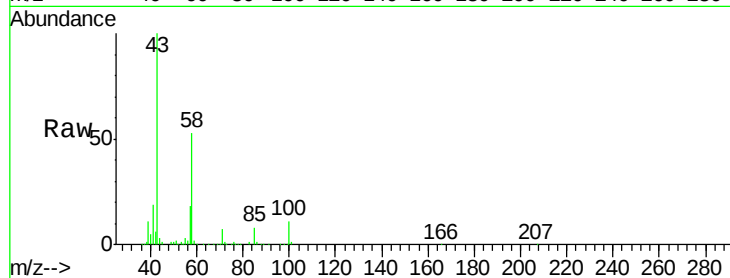
#59
2-Hexanone
Concen: 94.391 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampled :
VD1223SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.6	26.3	78.8

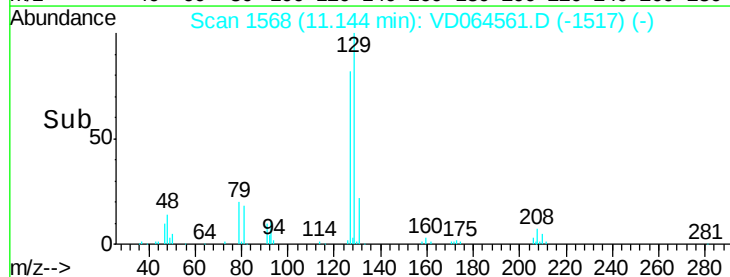
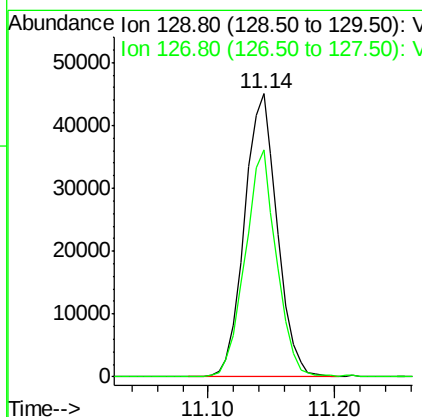
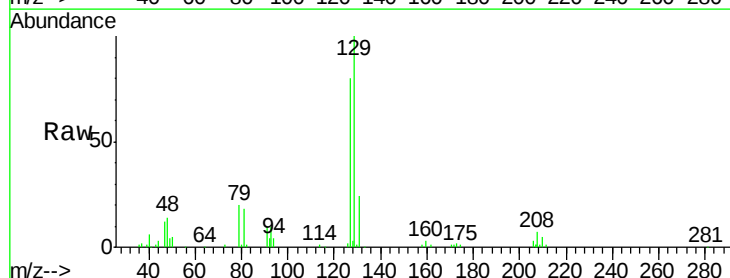
Manual Integrations
APPROVED

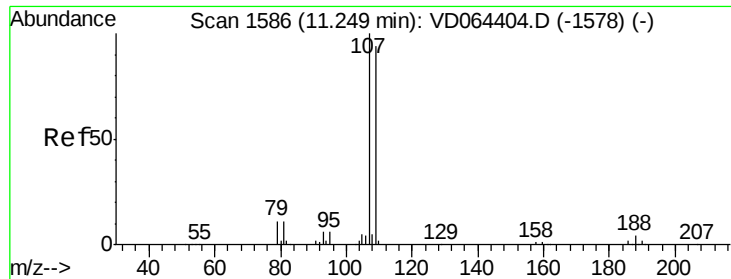
apatel
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#60
Dibromochloromethane
Concen: 20.712 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.1	114.3





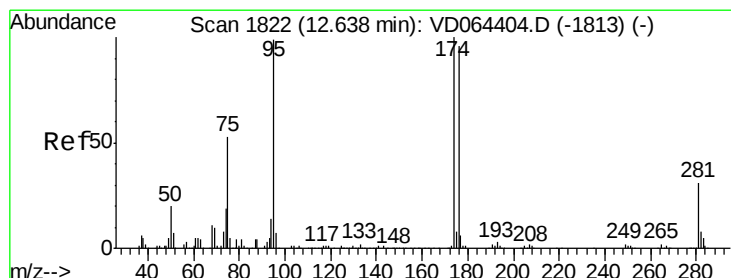
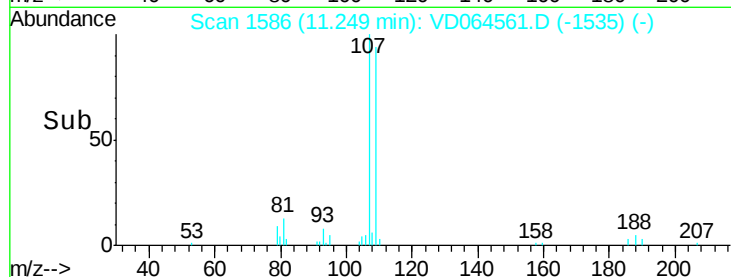
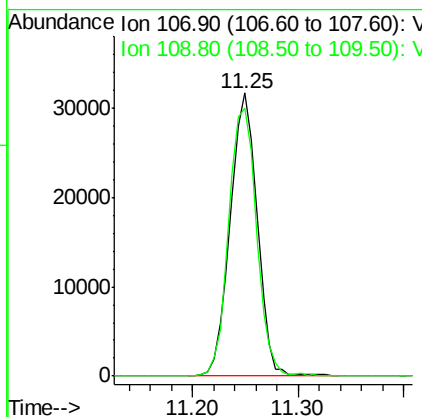
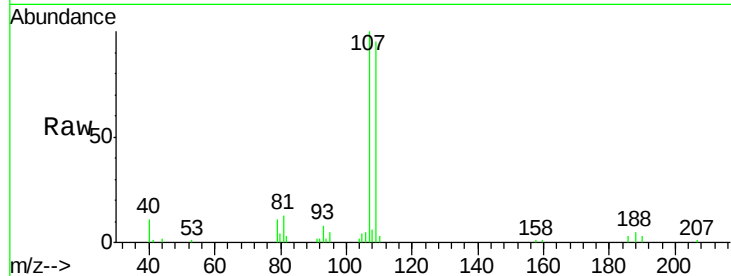
#61
 1,2-Dibromoethane
 Concen: 19.511 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBS01

Tot Ion: 107 Resp: 56070
 Ion Ratio Lower Upper
 107 100
 109 97.9 76.2 114.2

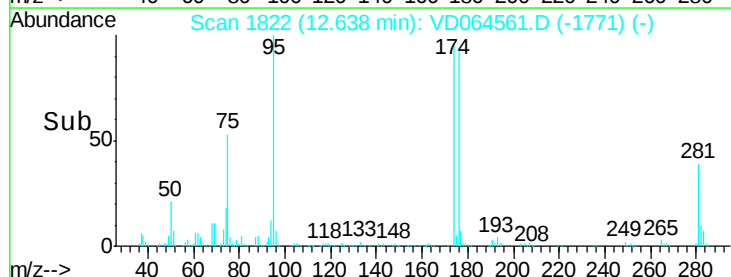
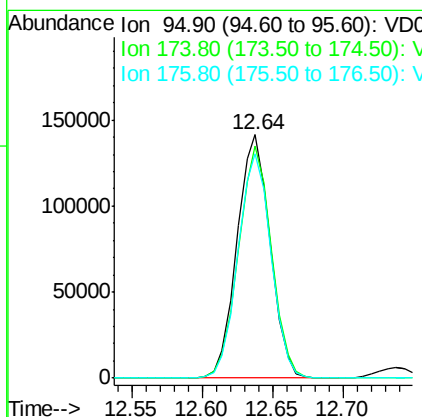
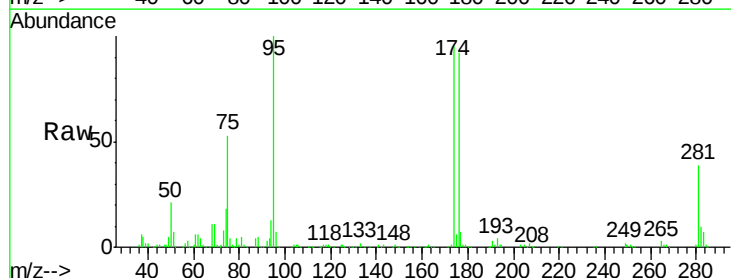
Manual Integrations
 APPROVED

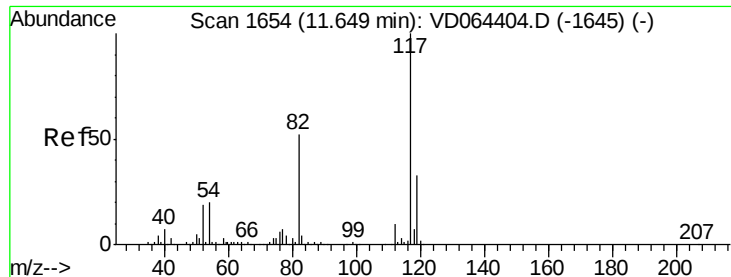
apatel
 12/24/2019 11:04:05 AM



#62
 4-Bromofluorobenzene
 Concen: 51.177 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Tgt Ion: 95 Resp: 231381
 Ion Ratio Lower Upper
 95 100
 174 94.9 0.0 197.2
 176 92.2 0.0 189.6





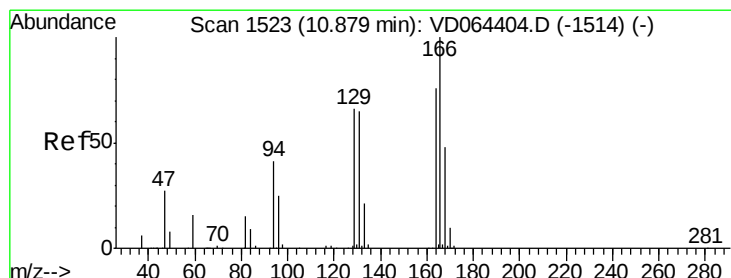
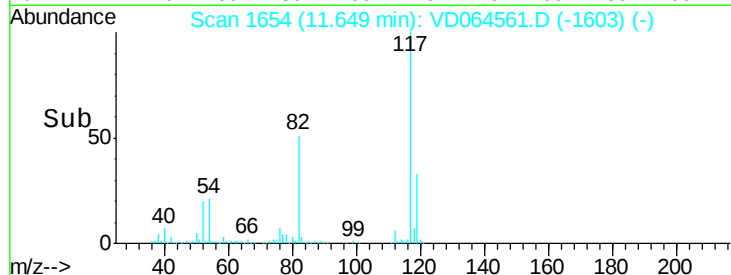
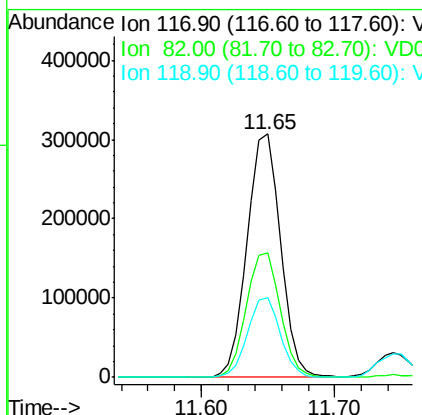
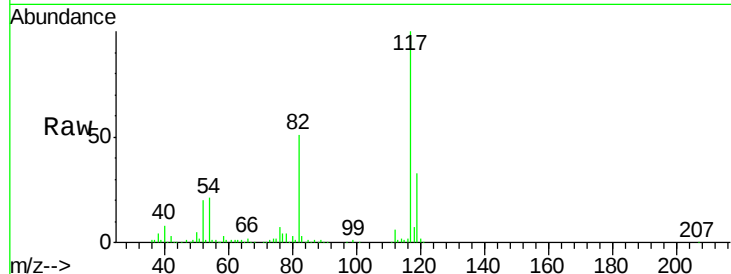
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	532328		
82	51.4		41.4	62.2
119	32.6		26.2	39.2

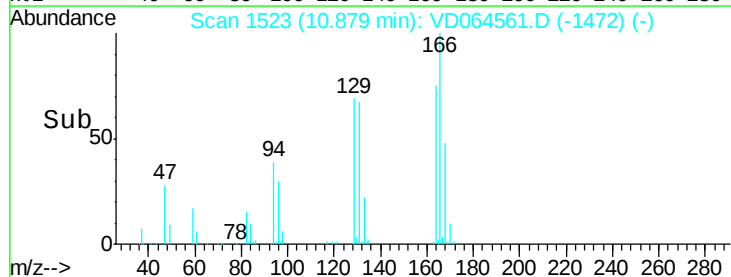
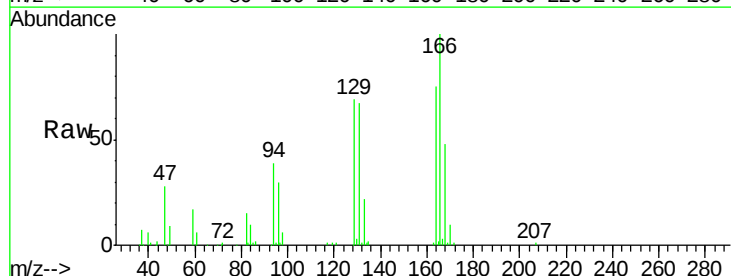
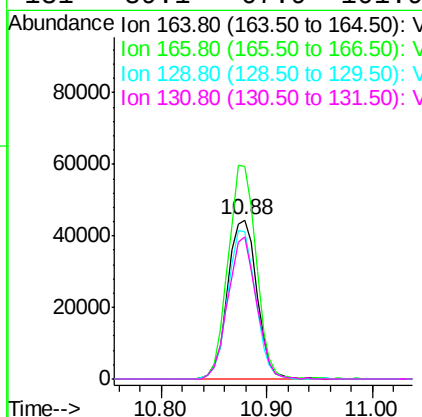
Manual Integrations
APPROVED

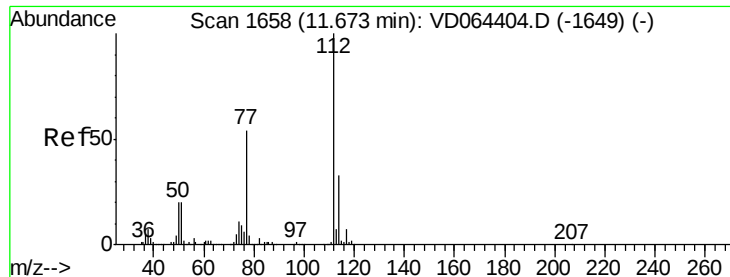
apatel
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#64
Tetrachloroethene
Concen: 20.856 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	84663		
166	133.4		104.8	157.2
129	92.7		68.7	103.1
131	89.1		67.9	101.9





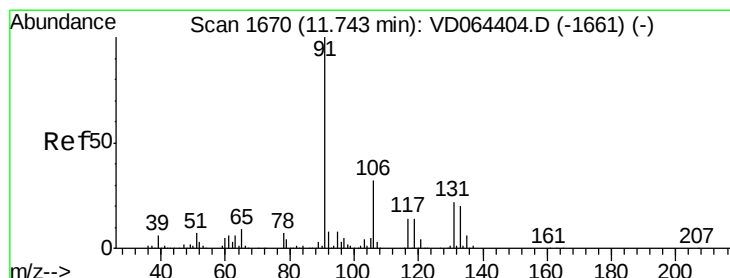
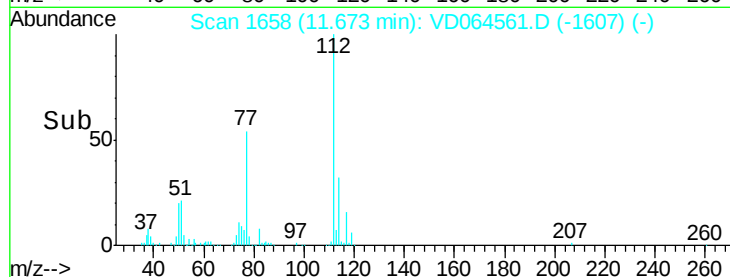
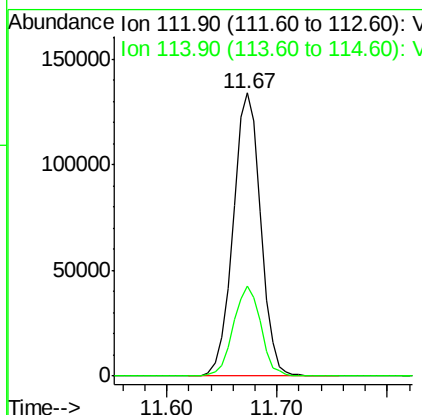
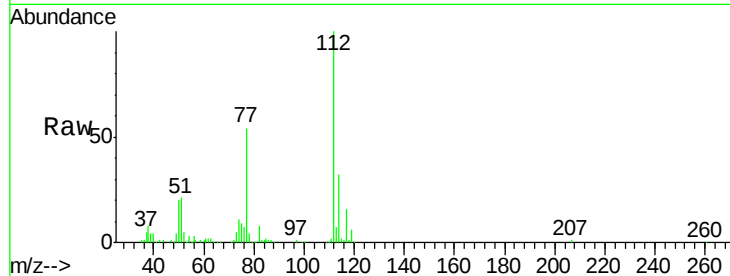
#65
Chlorobenzene
Concen: 21.079 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.5	39.7

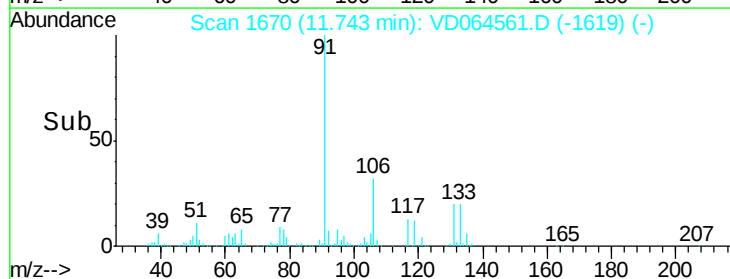
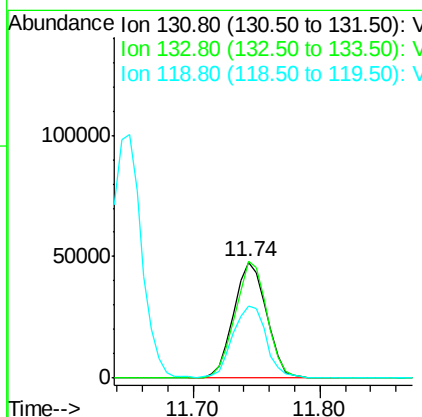
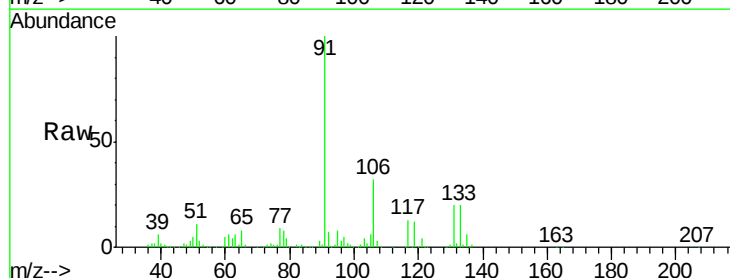
Manual Integrations
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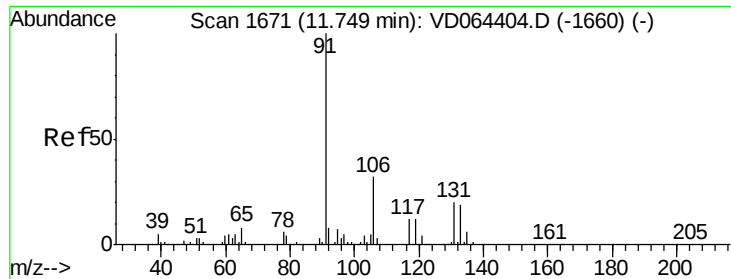
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.870 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.1	48.3	144.9
119	63.7	31.9	95.9





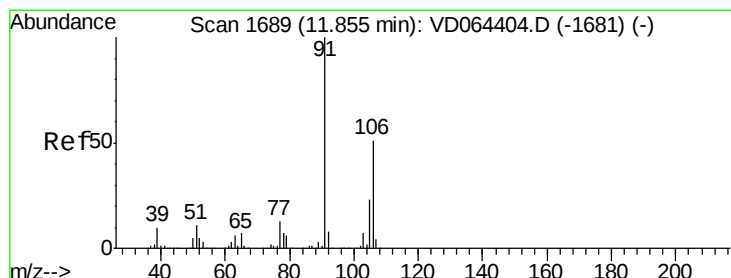
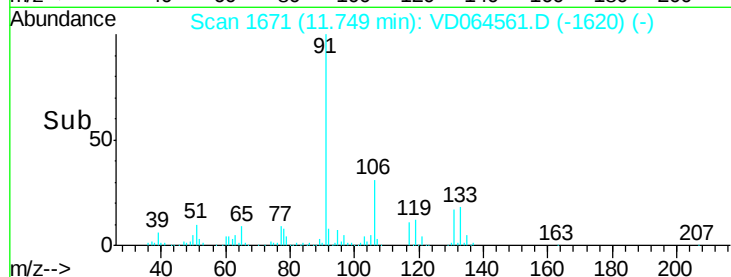
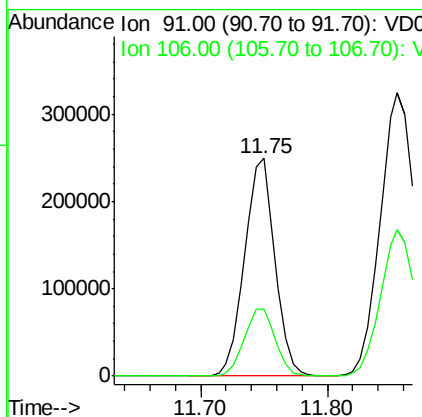
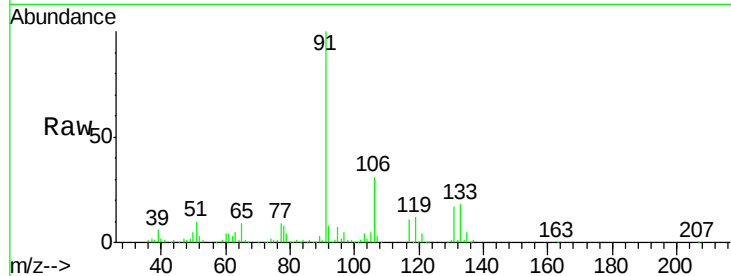
#67
Ethyl Benzene
Concen: 21.071 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

Tot Ion	91	Resp	416248
Ion Ratio	100	Lower	Upper
106	31.0	25.8	38.8

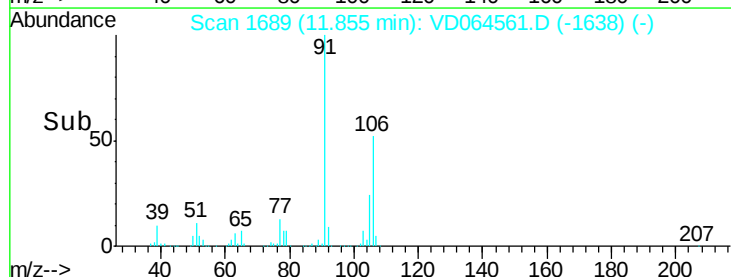
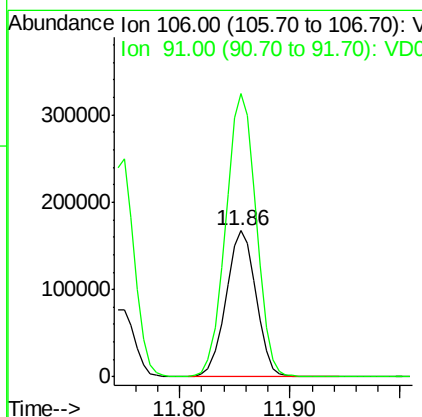
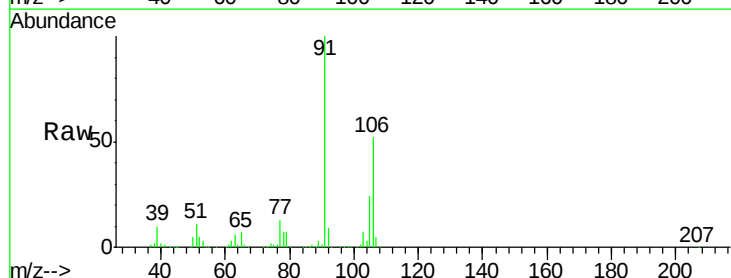
Manual Integrations
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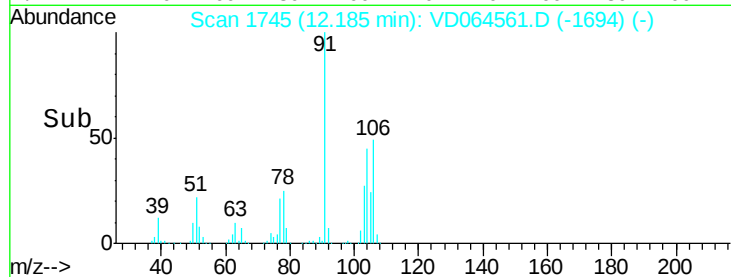
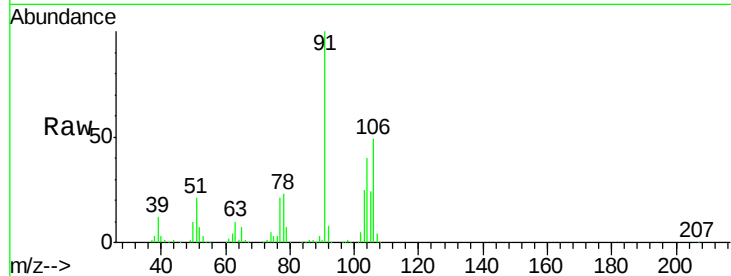
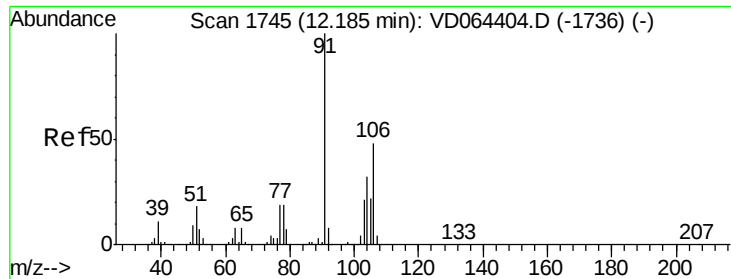
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#68
m/p-Xylenes
Concen: 42.328 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion	106	Resp	318813
Ion Ratio	100	Lower	Upper
91	196.2	157.4	236.2





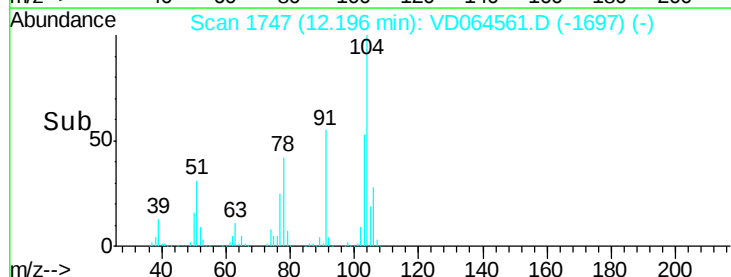
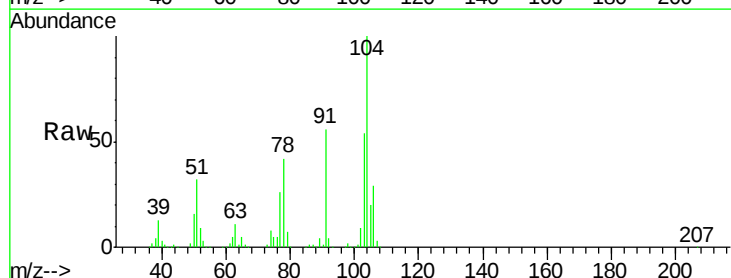
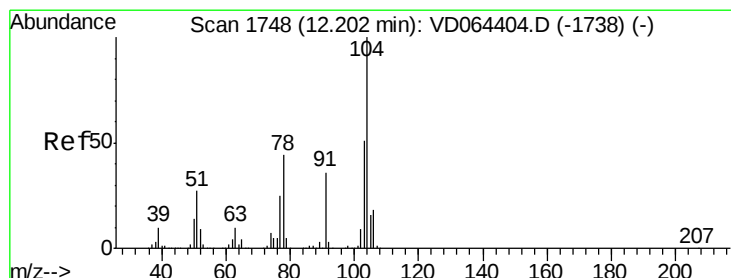
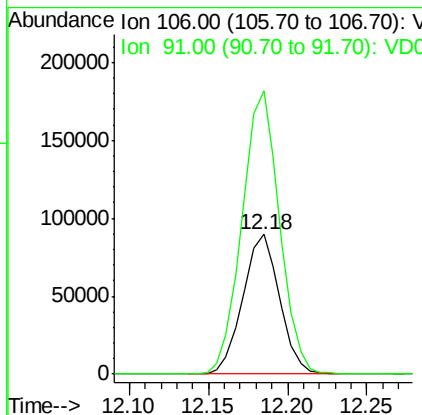
#69
o-Xylene
Concen: 20.829 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tot Ion:106 Resp: 144892
Ion Ratio Lower Upper
106 100
91 205.9 103.8 311.4

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

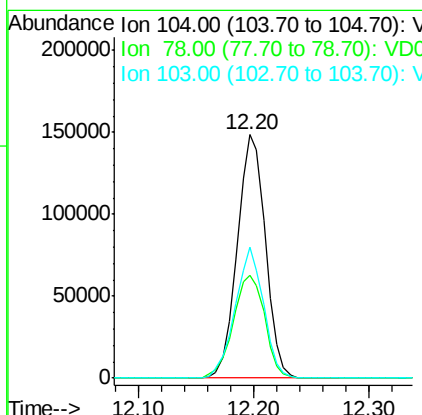
Manual Integrations
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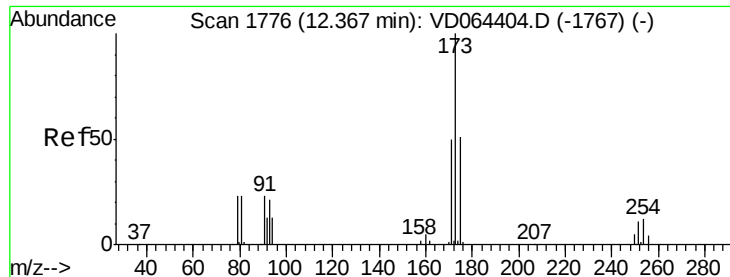
apatel
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#70
Styrene
Concen: 20.767 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion:104 Resp: 251040
Ion Ratio Lower Upper
104 100
78 47.1 38.8 58.2
103 54.1 44.2 66.4





#71

Bromoform

Concen: 19.822 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

Tot Ion:173 Resp: 48743

Ion Ratio Lower Upper

173 100

175 49.5 25.3 75.8

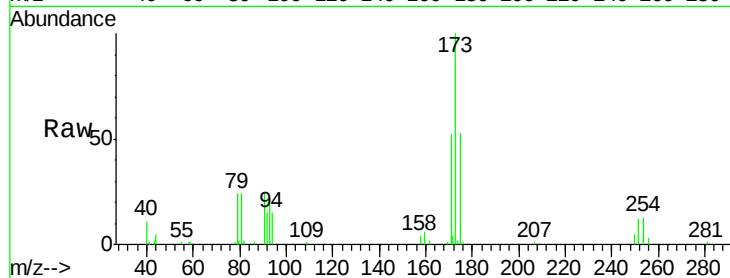
254 0.0 0.0 0.0

Manual Integrations

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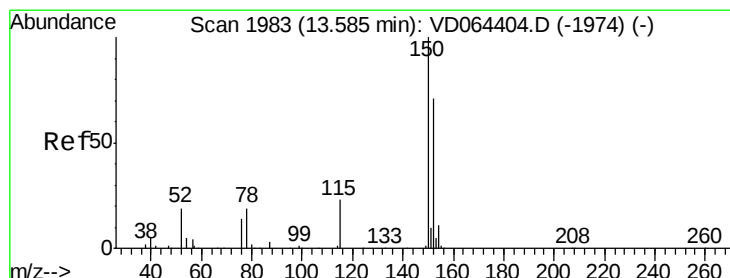
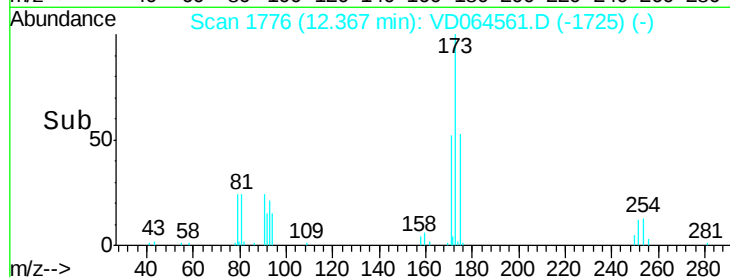
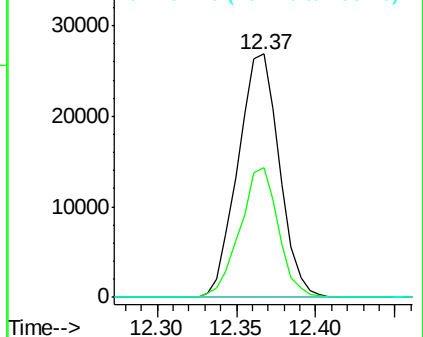
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

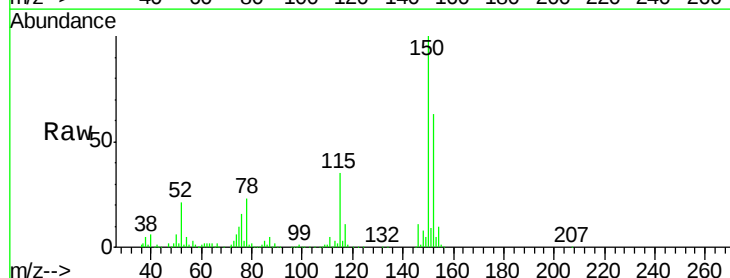
Tgt Ion:152 Resp: 264620

Ion Ratio Lower Upper

152 100

115 54.6 26.7 80.1

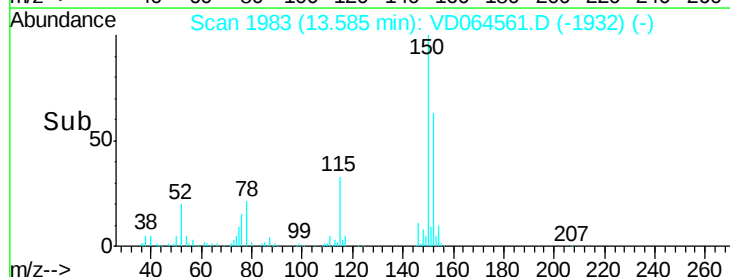
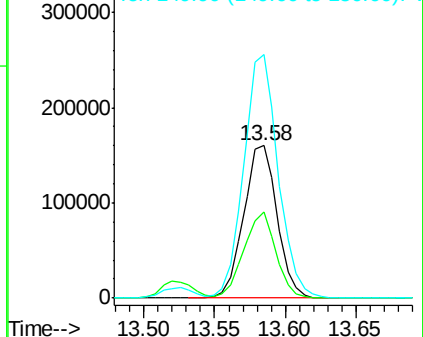
150 164.3 0.0 347.2

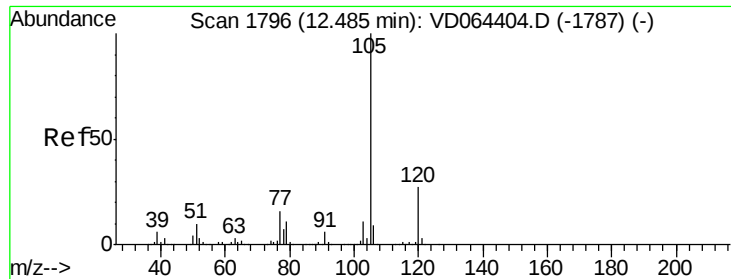


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.982 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

Tot Ion:105 Resp: 399316

Ion Ratio Lower Upper

105 100

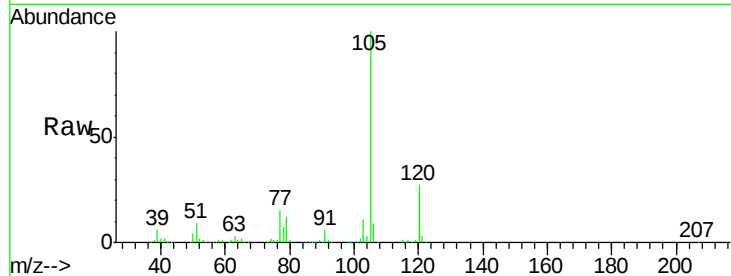
120 27.1 13.4 40.2

Manual Integrations

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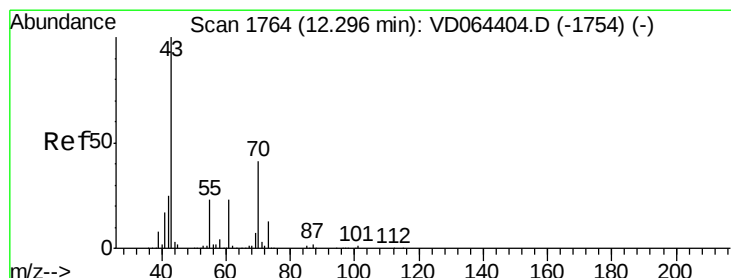
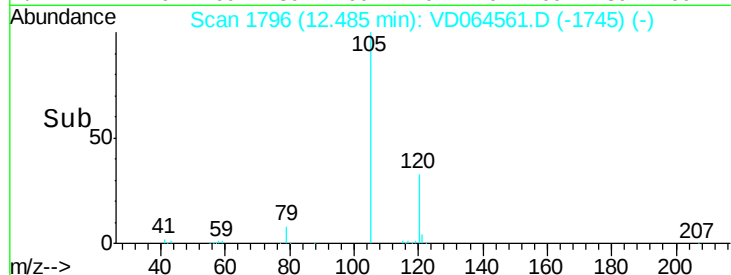
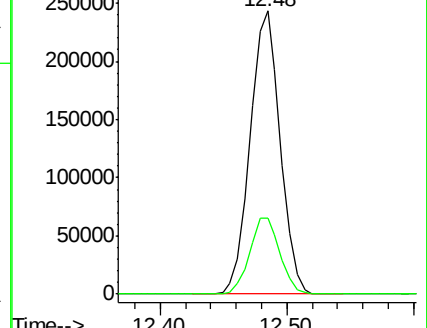
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.694 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Tgt Ion: 43 Resp: 80749

Ion Ratio Lower Upper

43 100

70 43.2 33.4 50.2

55 25.5 18.9 28.3

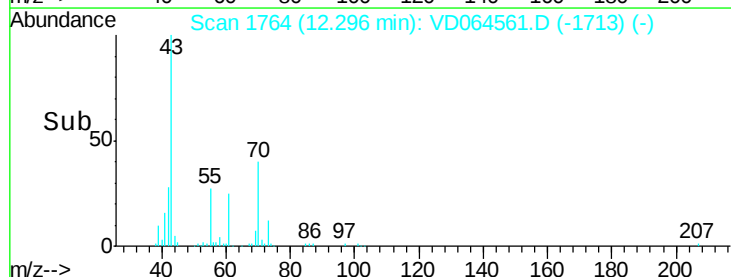
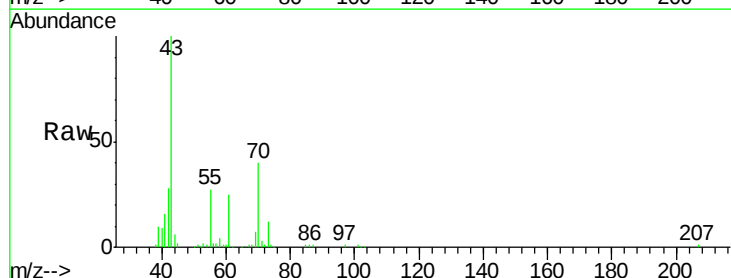
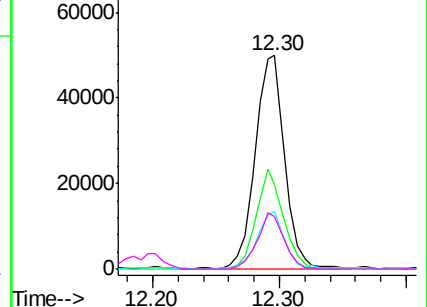
61 24.0 18.5 27.7

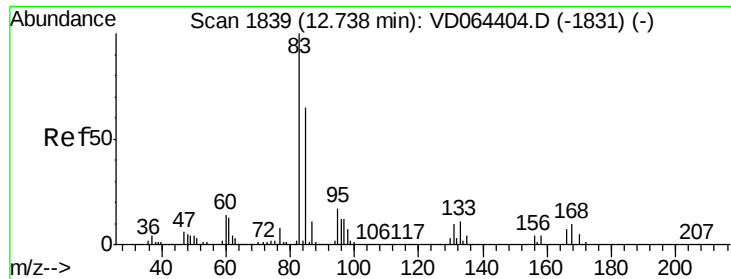
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.957 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

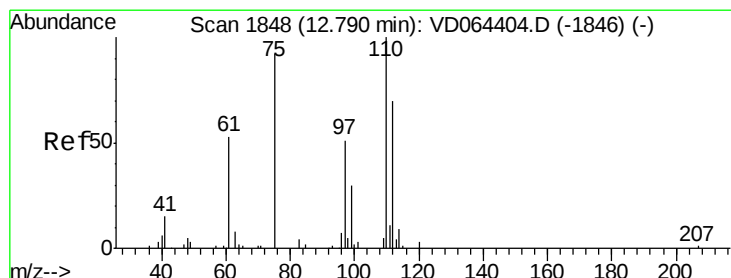
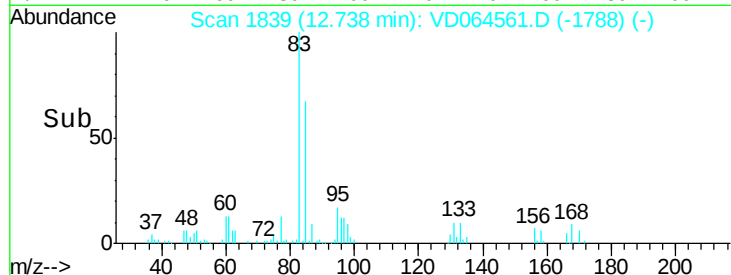
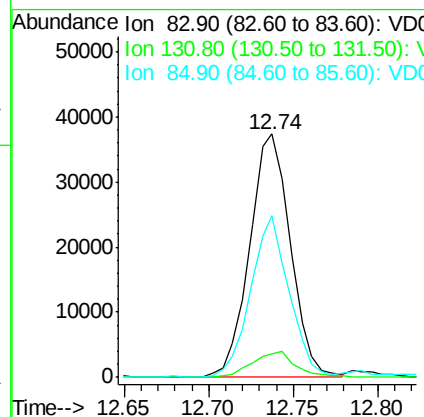
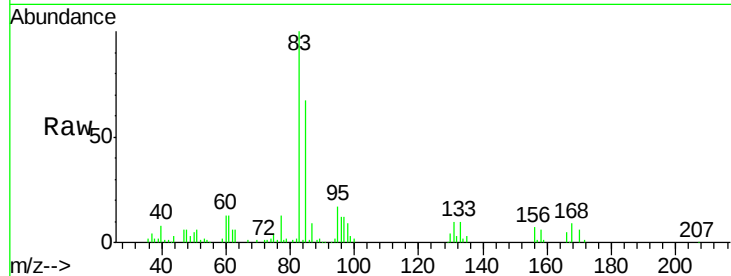
ClientSampleId :

VD1223SBS01

Tot Ion:	83	Resp:	62809
Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.7	17.0
85	62.7	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 17.444 ug/l m

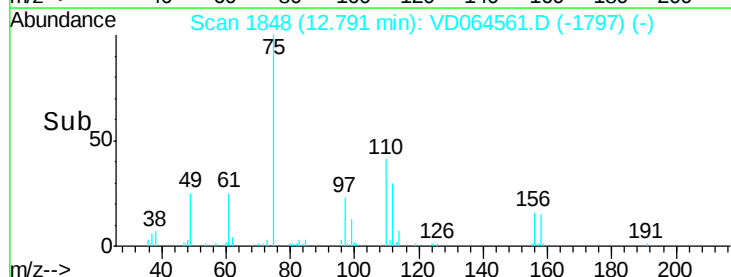
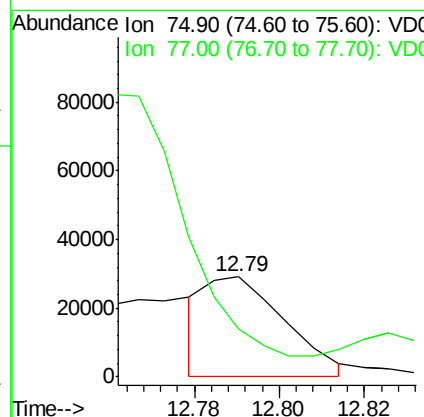
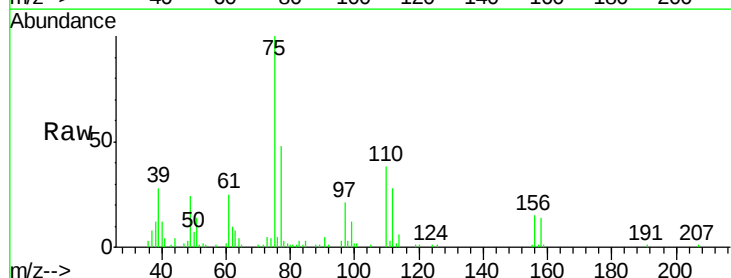
RT: 12.79 min Scan# 1848

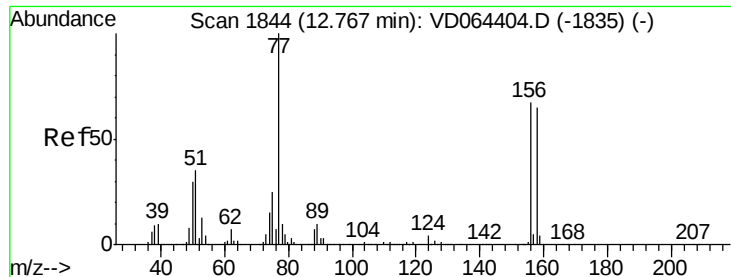
Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Tgt Ion:	75	Resp:	37961
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.416 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

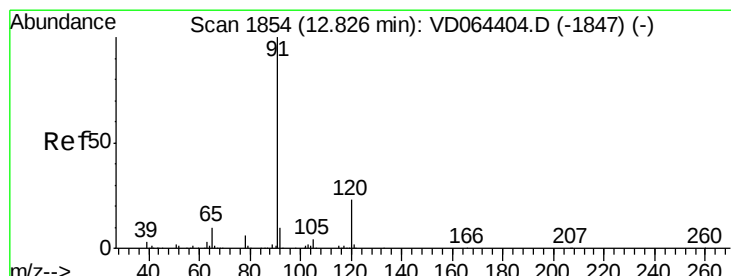
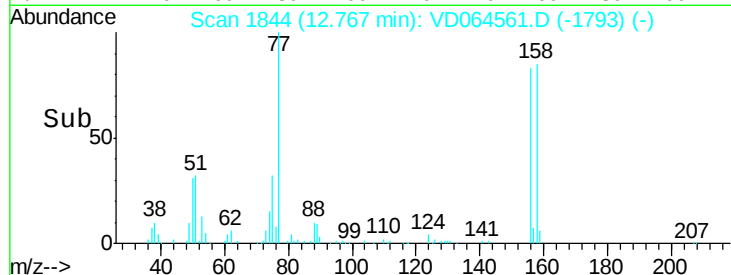
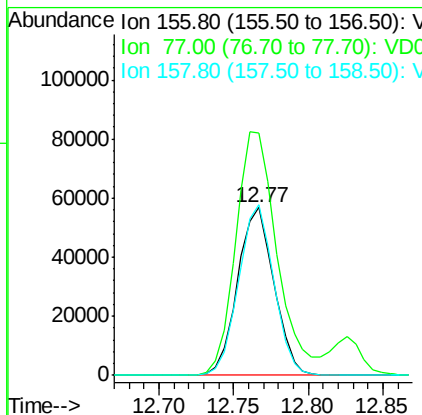
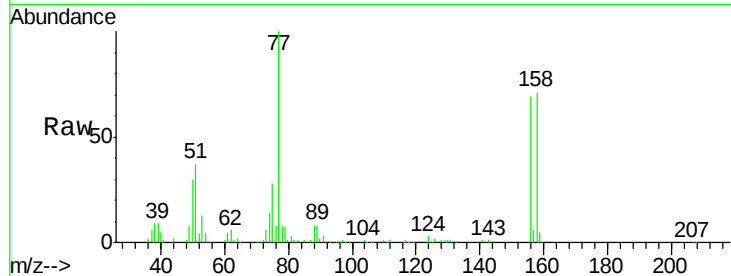
ClientSampleId :

VD1223SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		95953		
77	166.0	80.0	240.2		
158	98.3	48.9	146.6		

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#78

n-propylbenzene

Concen: 21.197 ug/l

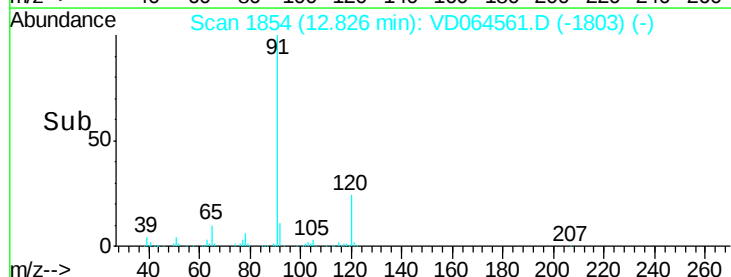
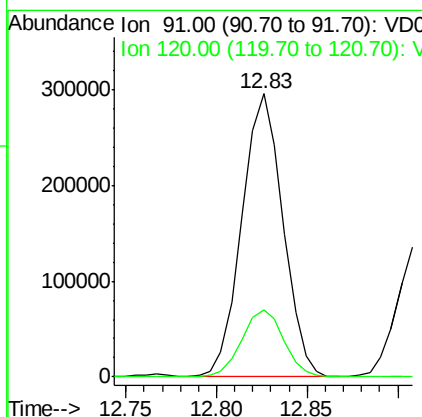
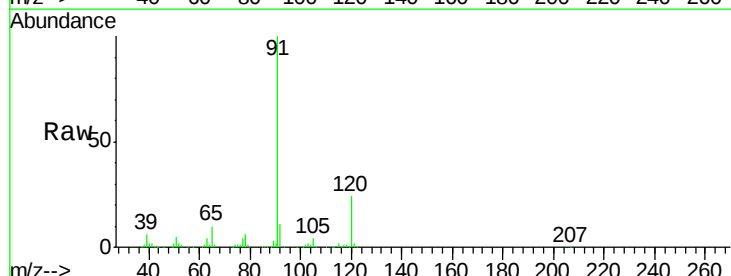
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		465468		
120	24.2	11.9	35.9		





#79

2-Chlorotoluene

Concen: 20.780 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

Tot Ion: 91 Resp: 251085

Ion Ratio Lower Upper

91 100

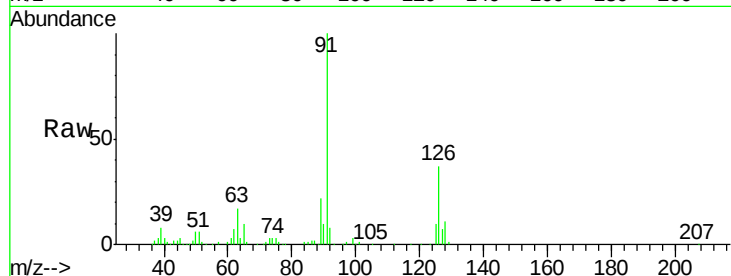
126 37.7 18.0 54.0

Manual Integrations

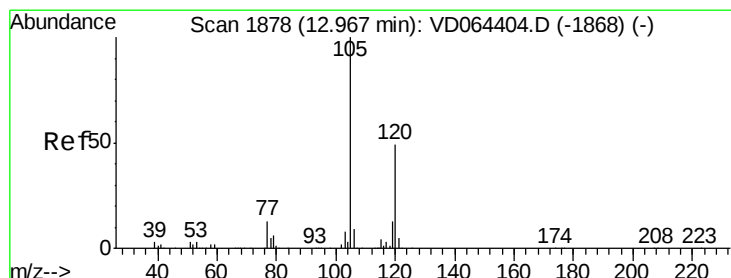
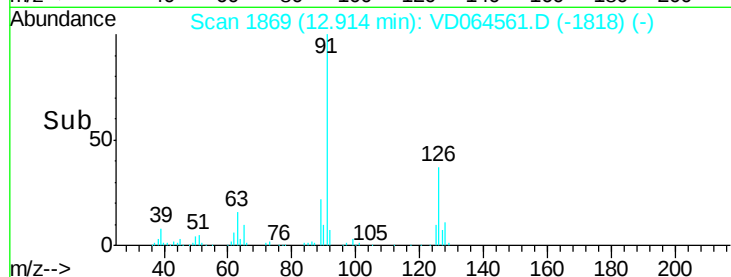
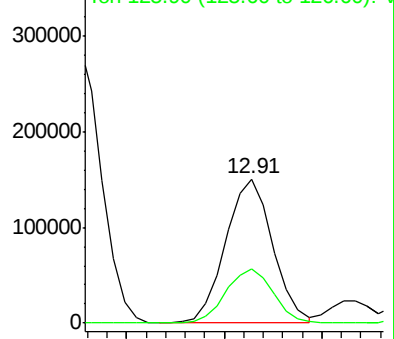
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Abundance Ion 91.00 (90.70 to 91.70): VD064404.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.847 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064561.D

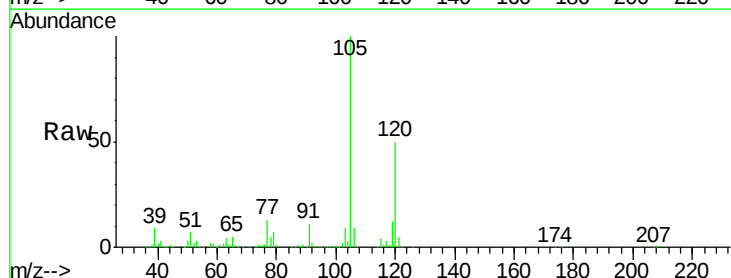
Acq: 23 Dec 2019 11:47

Tgt Ion: 105 Resp: 324233

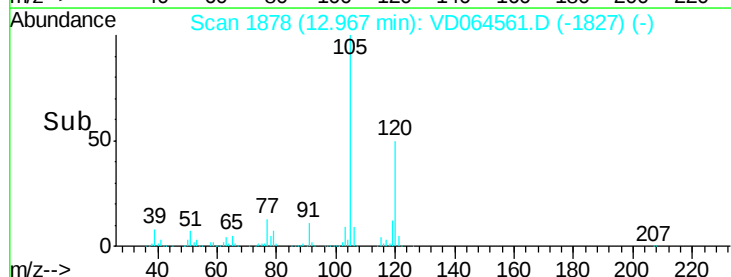
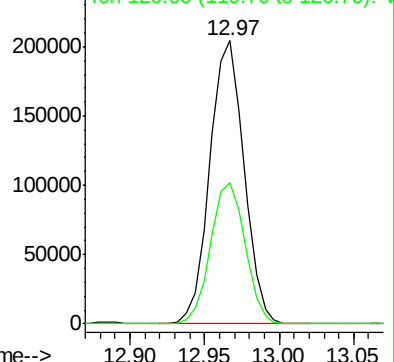
Ion Ratio Lower Upper

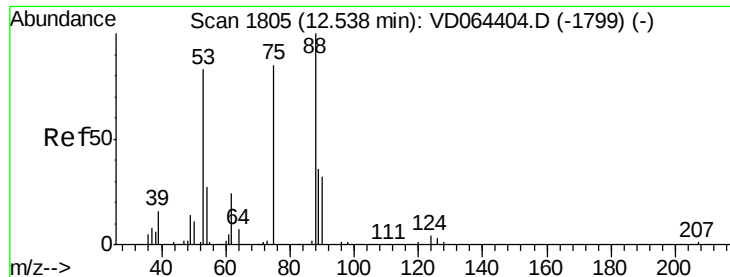
105 100

120 50.8 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VD064404.D (-1868) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.802 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

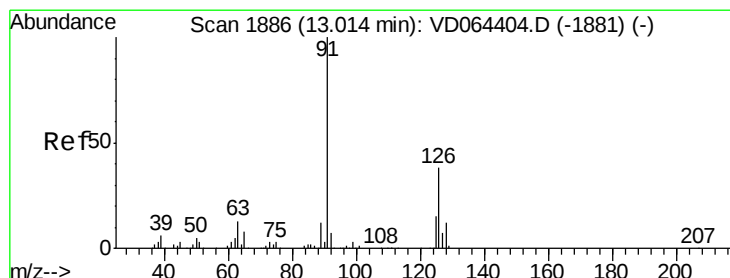
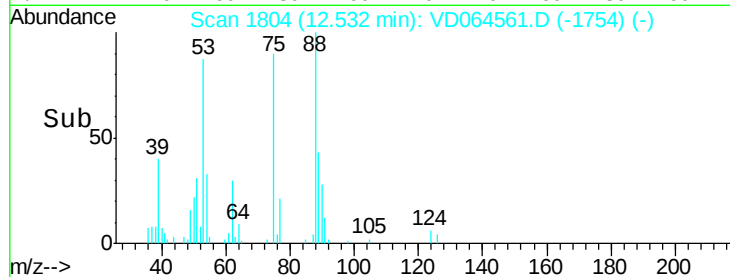
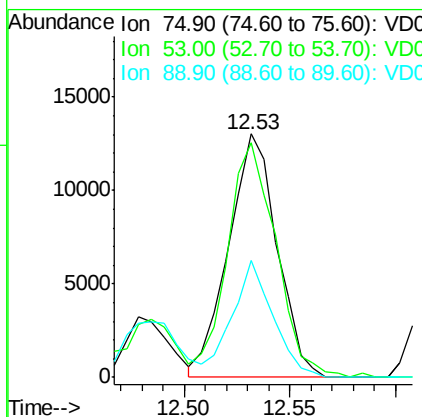
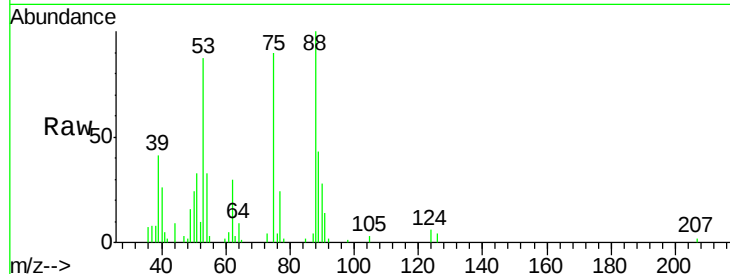
ClientSampleId :

VD1223SBS01

Tot Ion:	75	Resp:	20760
Ion Ratio	Lower	Upper	
75	100		
53	96.8	81.0	121.6
89	40.2	38.5	57.7

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#82

4-Chlorotoluene

Concen: 21.326 ug/l

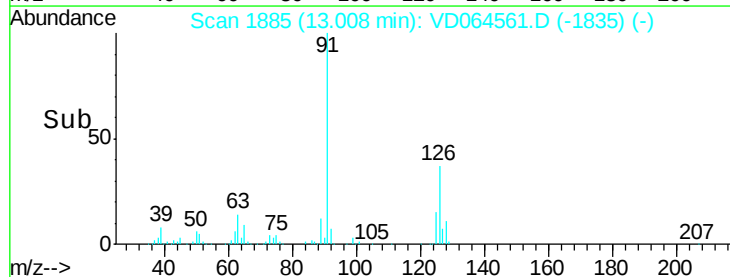
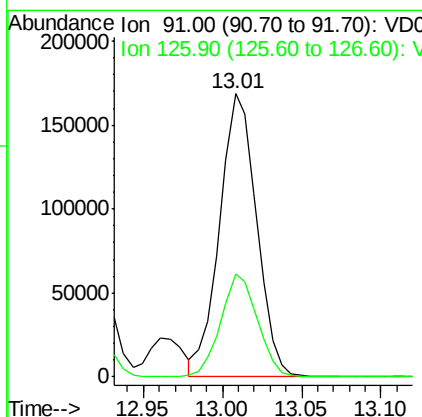
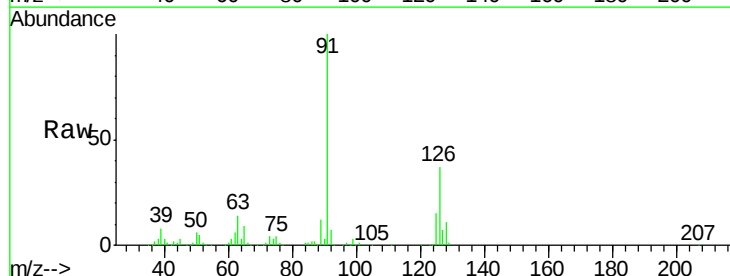
RT: 13.01 min Scan# 1885

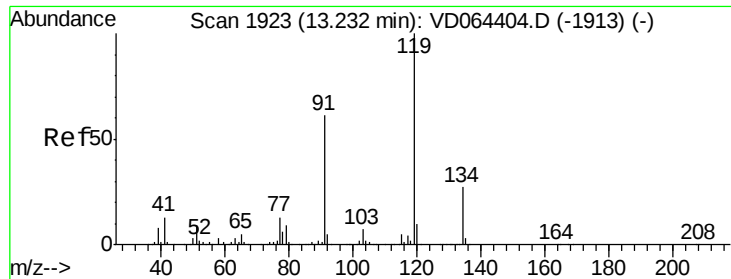
Delta R.T. -0.01 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Tgt Ion:	91	Resp:	272822
Ion Ratio	Lower	Upper	
91	100		
126	36.0	18.2	54.6





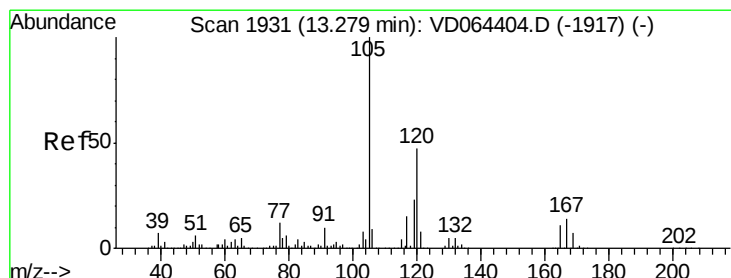
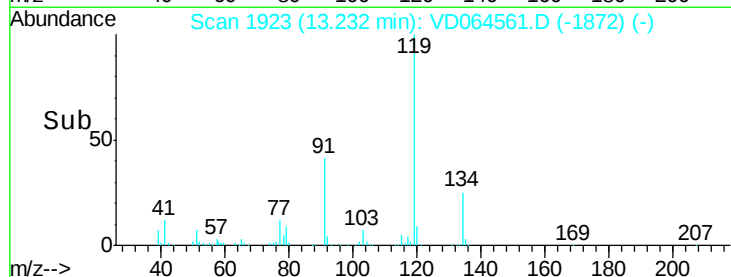
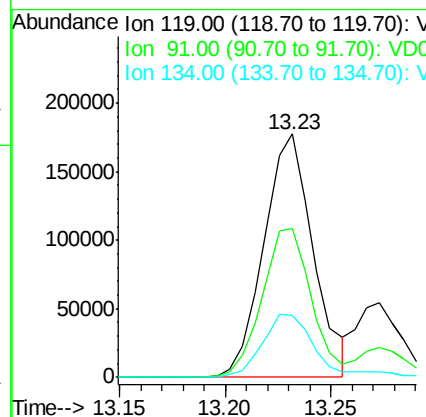
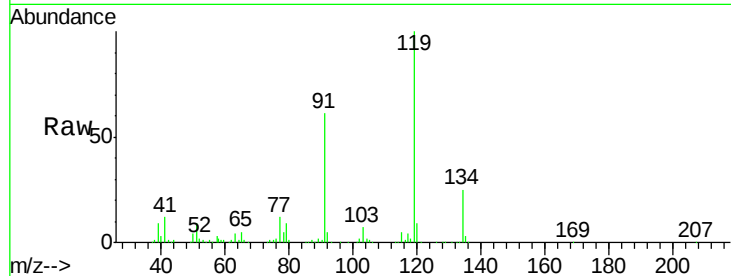
#83
tert-Butylbenzene
Concen: 21.332 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	288438		
91	61.0		31.2	93.6
134	28.2		13.9	41.7

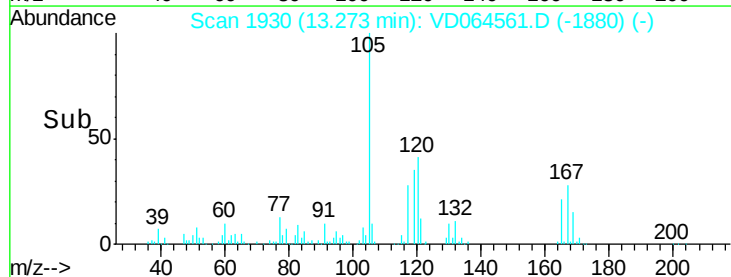
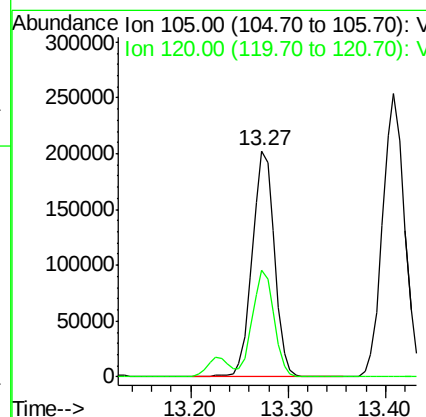
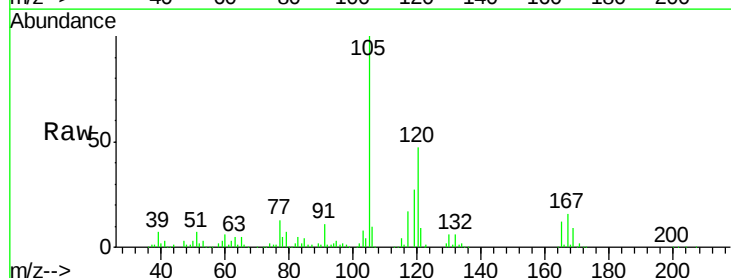
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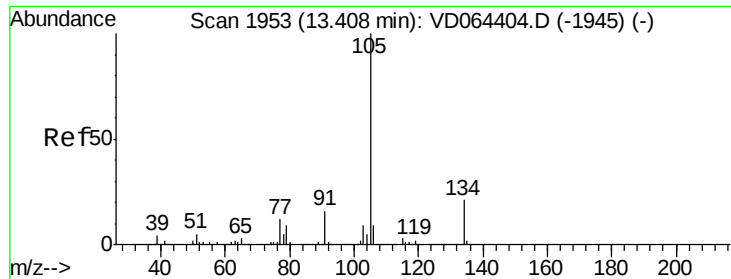
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#84
1,2,4-Trimethylbenzene
Concen: 20.762 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	324695		
120	46.2		23.6	70.8





#85

sec-Butylbenzene

Concen: 21.285 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

Tot Ion:105 Resp: 394999

Ion Ratio Lower Upper

105 100

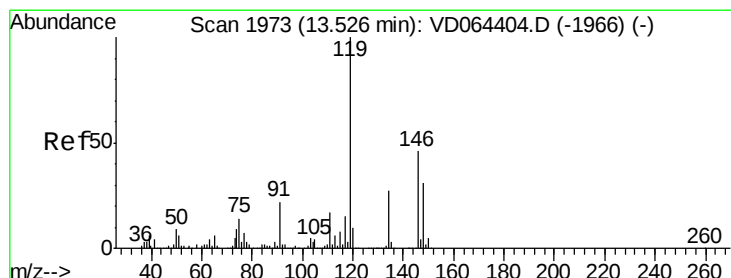
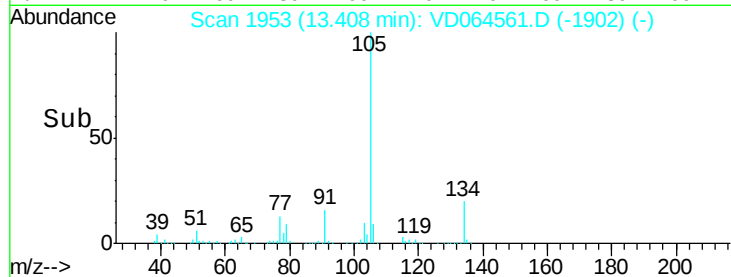
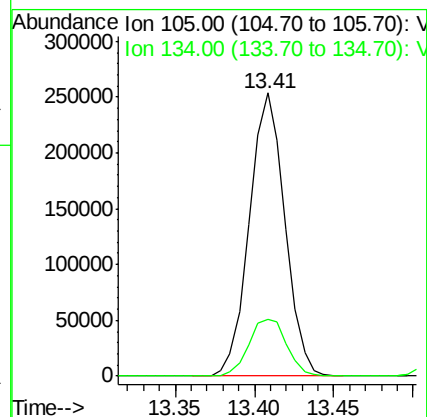
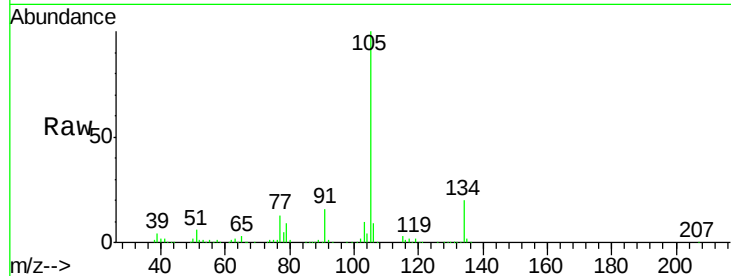
134 21.6 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 21.356 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

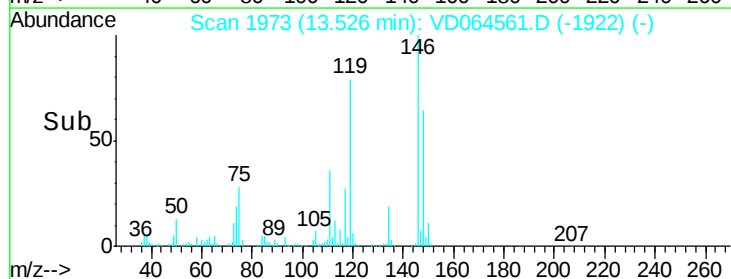
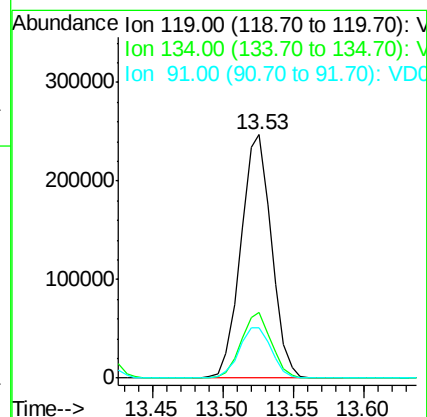
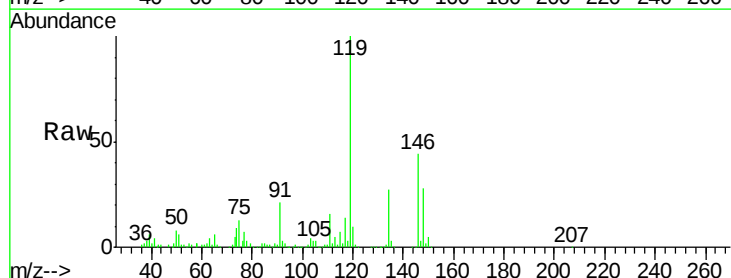
Tgt Ion:119 Resp: 374163

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 21.8 11.2 33.5





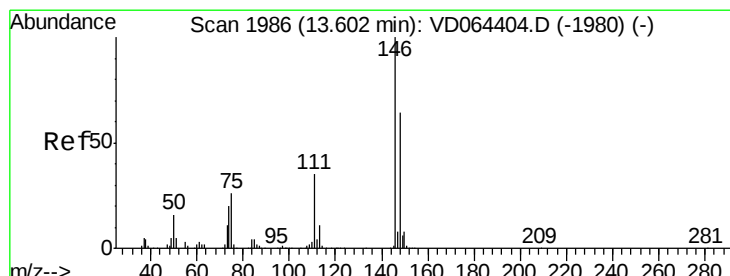
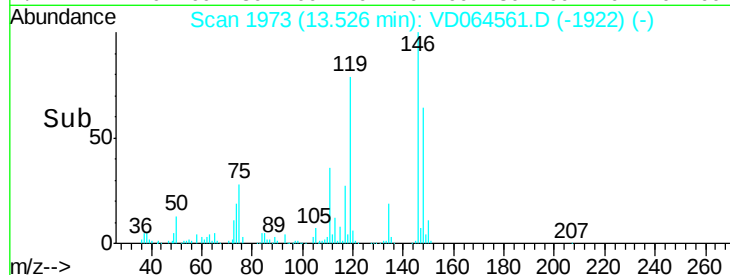
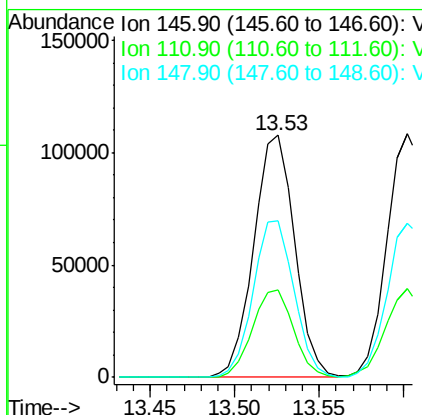
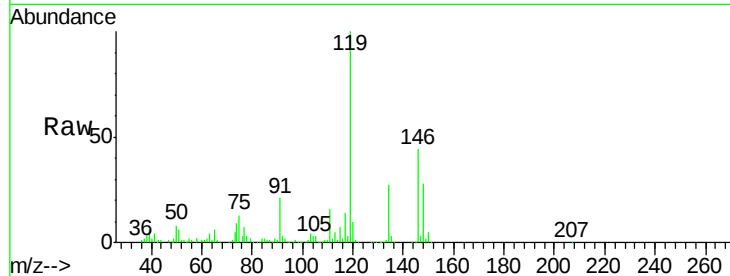
#87
 1,3-Dichlorobenzene
 Concen: 20.405 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	182016		
111	36.3	18.8	56.4	
148	64.5	32.6	97.8	

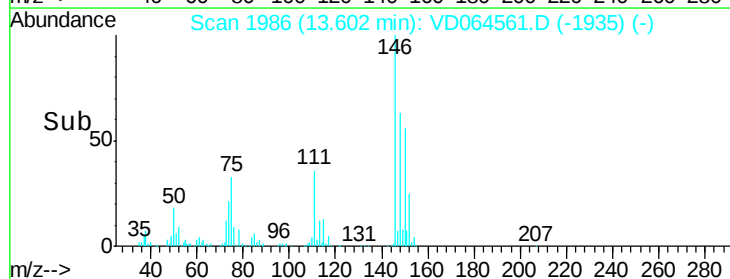
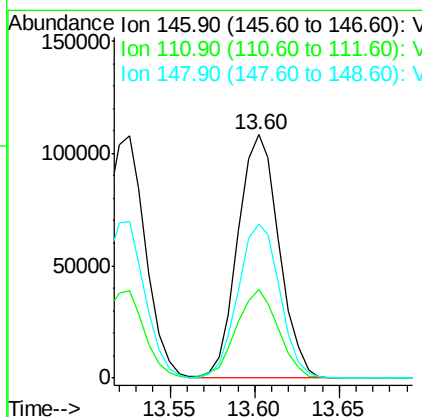
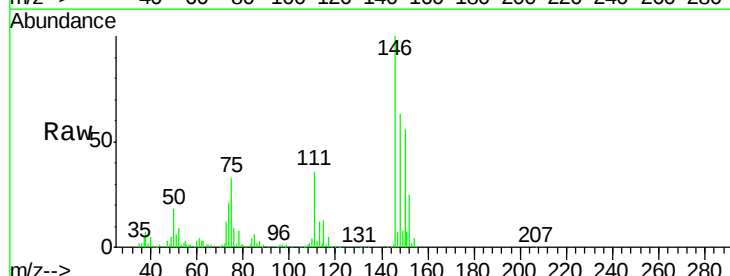
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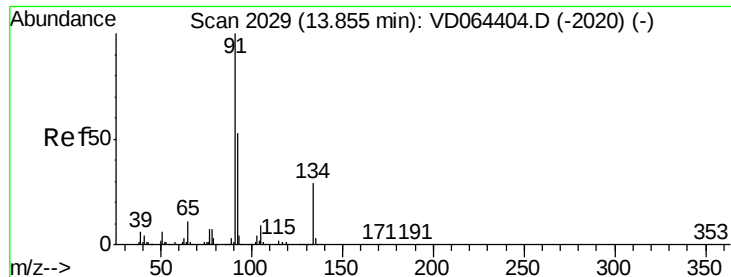
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#88
 1,4-Dichlorobenzene
 Concen: 20.837 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	183509		
111	37.3	18.2	54.6	
148	64.5	31.8	95.4	





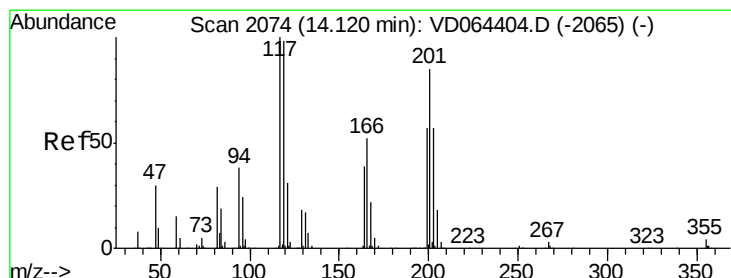
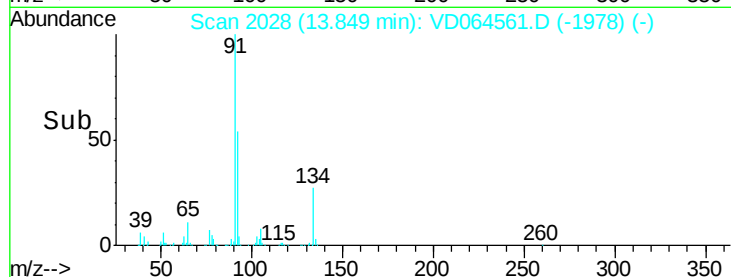
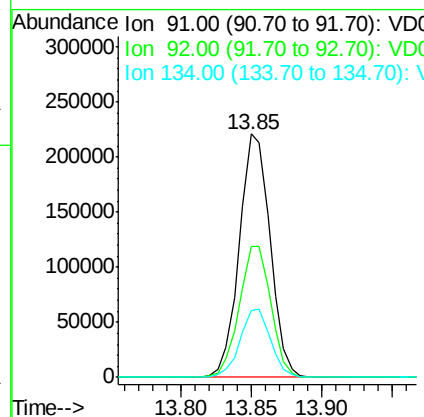
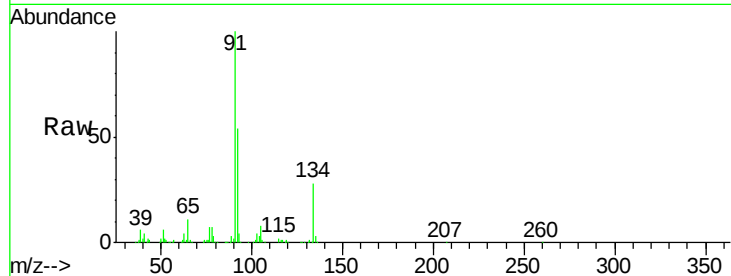
#89
n-Butylbenzene
Concen: 21.222 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	26.5	79.4
134	27.6	13.9	41.7

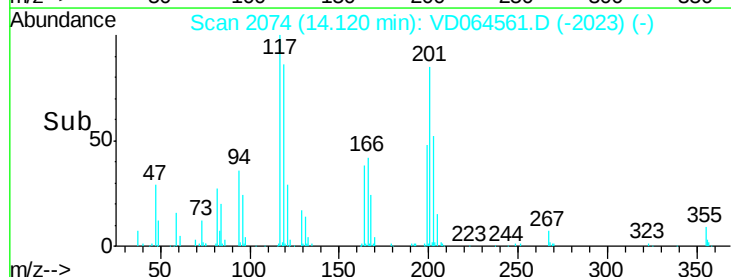
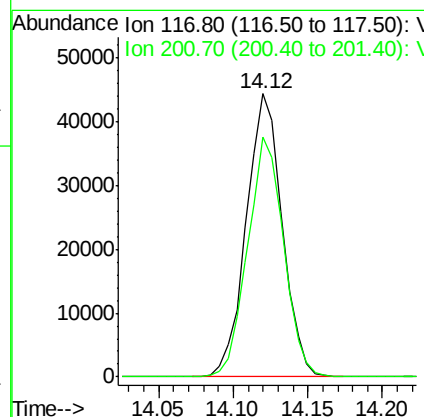
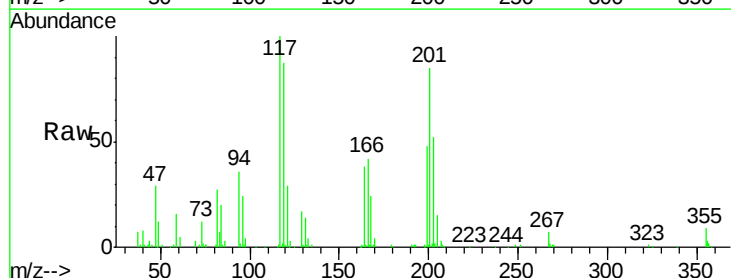
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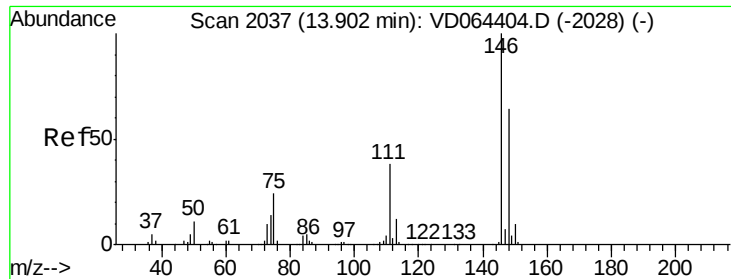
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#90
Hexachloroethane
Concen: 22.495 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.0	44.3	132.8





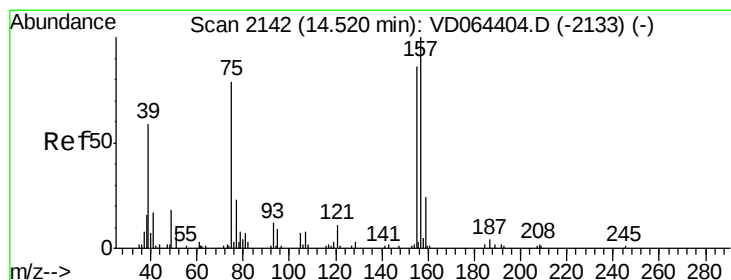
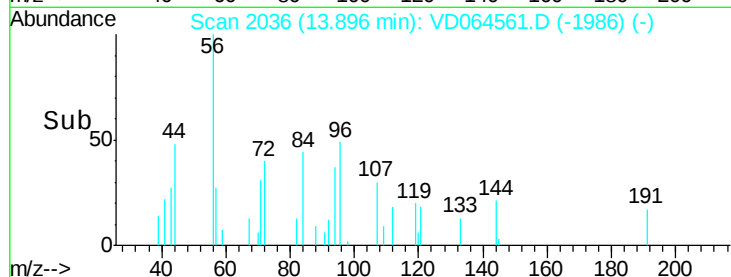
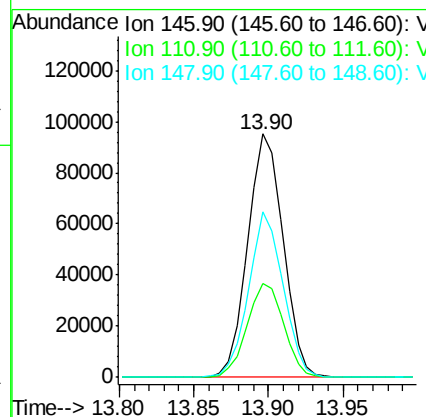
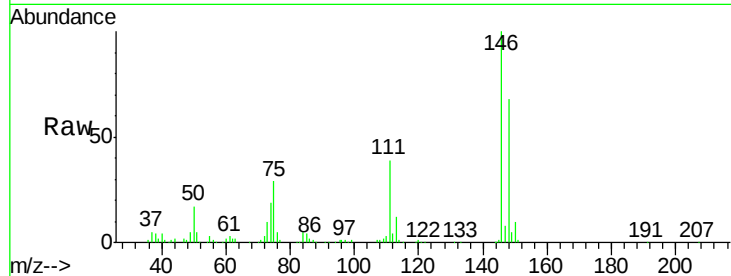
#91
 1,2-Dichlorobenzene
 Concen: 20.551 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.1	57.3
148	65.8	32.0	96.0

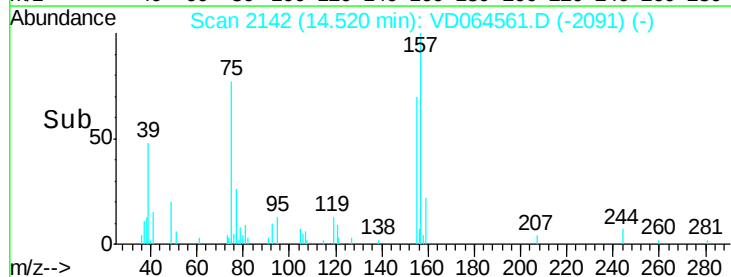
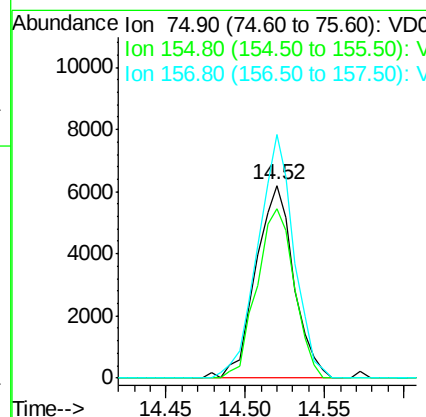
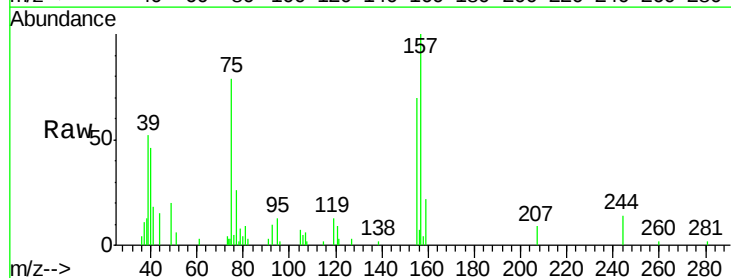
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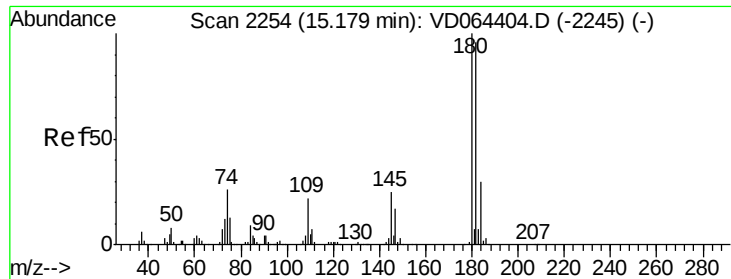
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.265 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.7	51.9	155.7
157	120.4	63.2	189.8





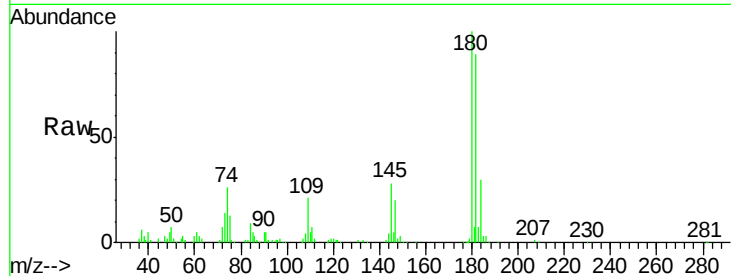
#93
 1,2,4-Trichlorobenzene
 Concen: 20.597 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBS01

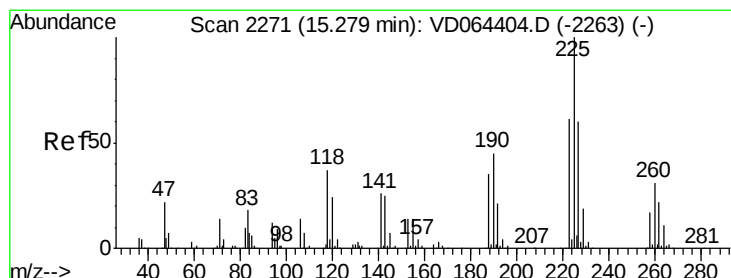
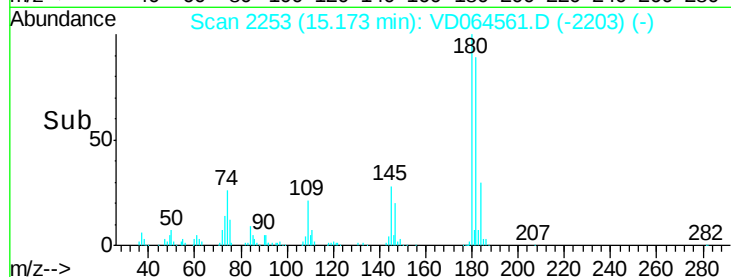
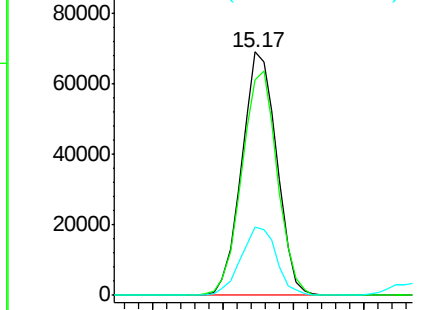
Tot Ion	Ratio	Resp	Lower	Upper
180	100	120249		
182	93.2	47.4	142.3	
145	28.6	14.0	41.9	

Manual Integrations
 APPROVED

apatel
 12/24/2019 11:04:05 AM

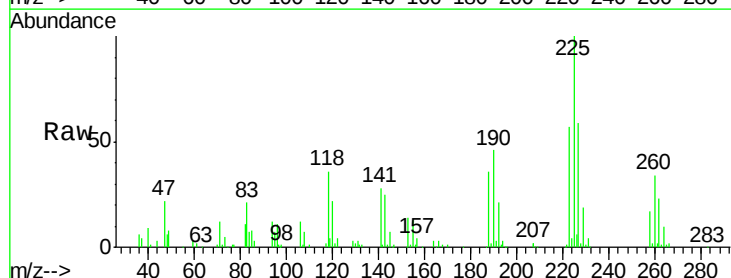


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

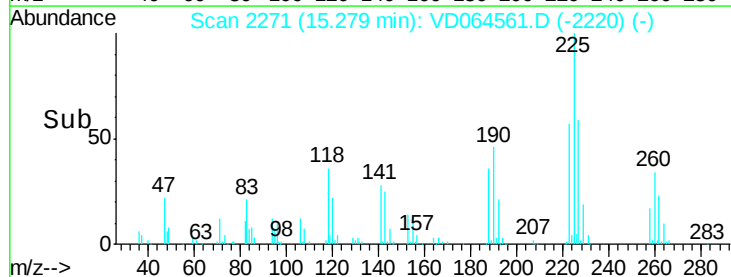
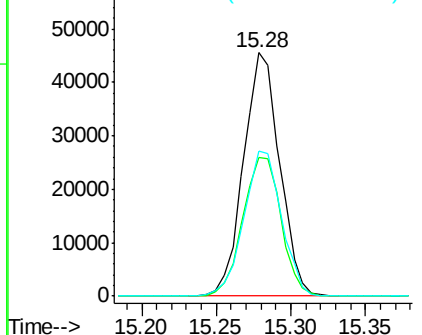


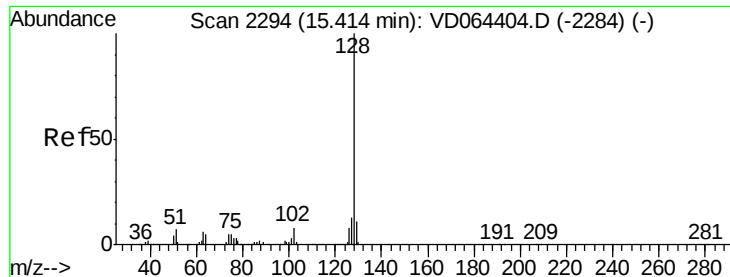
#94
 Hexachlorobutadiene
 Concen: 21.146 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76214		
223	59.7	31.1	93.3	
227	62.0	31.8	95.4	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.480 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

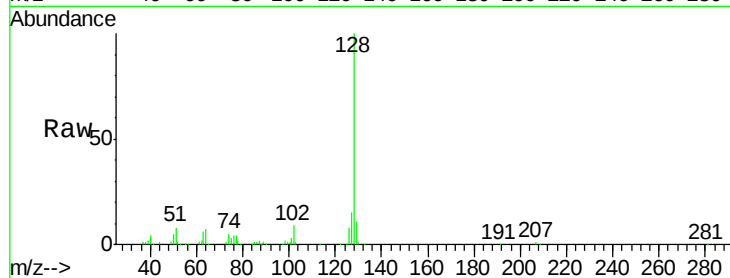
ClientSampleId :

VD1223SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.5	15.7
129	10.7	8.8	13.2

Manual Integrations
APPROVED

apatel
12/24/2019 11:04:05 AM

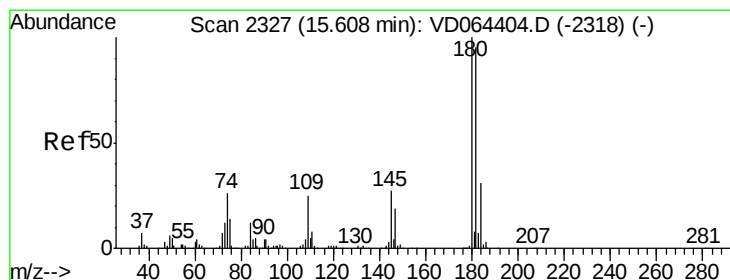
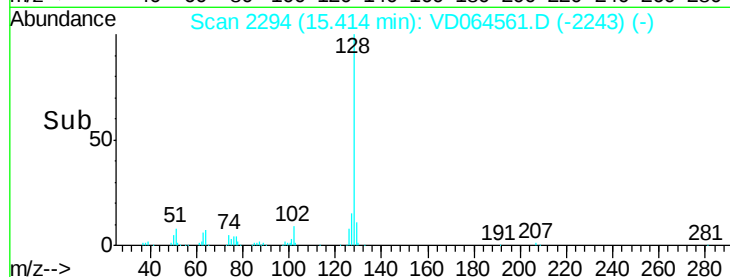
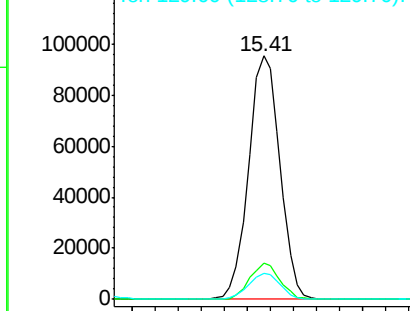


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.707 ug/l

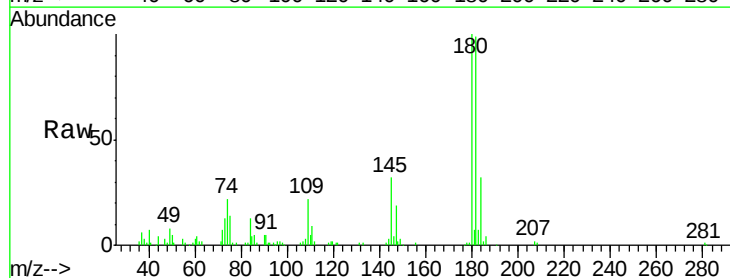
RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.6	142.9
145	30.8	14.6	43.8



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

