

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122319\
 Data File : VD064562.D
 Acq On : 23 Dec 2019 12:14
 Operator : VA/SY
 Sample : VD1223SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBS01

Manual Integrations
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 12/24/2019 11:04:08 AM

Quant Time: Dec 24 06:04:27 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	394616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	578473	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	516445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	267057	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	182317	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
35) Dibromofluoromethane	7.92	113	188924	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
50) Toluene-d8	10.34	98	701190	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.64	95	224761	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	73336	20.510	ug/l	99
3) Chloromethane	2.21	50	94578	20.972	ug/l	99
4) Vinyl Chloride	2.35	62	111415	21.397	ug/l	100
5) Bromomethane	2.76	94	76775	19.938	ug/l	92
6) Chloroethane	2.92	64	76306	21.924	ug/l	100
7) Trichlorofluoromethane	3.27	101	192644	22.255	ug/l	95
8) Diethyl Ether	3.71	74	37786	21.006	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	79949	21.540	ug/l	100
10) Methyl Iodide	4.29	142	80666	20.580	ug/l	98
11) Tert butyl alcohol	5.26	59	27139m	119.362	ug/l	
12) 1,1-Dichloroethene	4.06	96	73397	20.635	ug/l	98
13) Acrolein	3.93	56	23790	76.711	ug/l	92
14) Allyl chloride	4.71	41	117814	21.224	ug/l	99
15) Acrylonitrile	5.43	53	77946	99.093	ug/l	99
16) Acetone	4.17	43	69883	96.818	ug/l	95
17) Carbon Disulfide	4.40	76	225248	19.995	ug/l	99
18) Methyl Acetate	4.73	43	42059	19.976	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	170591	20.908	ug/l	99
20) Methylene Chloride	4.96	84	92326	22.751	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	84282	20.948	ug/l	95
22) Diisopropyl ether	6.37	45	233652	21.322	ug/l	95
23) Vinyl Acetate	6.31	43	656836	101.673	ug/l	99
24) 1,1-Dichloroethane	6.27	63	143305	21.745	ug/l	97
25) 2-Butanone	7.22	43	99390	97.367	ug/l	99
26) 2,2-Dichloropropane	7.21	77	130760	22.816	ug/l	98
27) cis-1,2-Dichloroethene	7.22	96	91569	20.876	ug/l	98
28) Bromochloromethane	7.55	49	38184	16.954	ug/l	99
29) Tetrahydrofuran	7.57	42	64938	99.991	ug/l	95
30) Chloroform	7.71	83	146851	21.516	ug/l	93
31) Cyclohexane	7.98	56	135395	20.858	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	141428	22.351	ug/l	98
36) 1,1-Dichloropropene	8.11	75	114590	20.943	ug/l	99
37) Ethyl Acetate	7.30	43	43204	18.609	ug/l	96
38) Carbon Tetrachloride	8.10	117	127797	22.130	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	144024	21.220	ug/l	92
40) Benzene	8.35	78	317247	20.876	ug/l	100
41) Methacrylonitrile	7.53	41	30235	22.708	ug/l	97
42) 1,2-Dichloroethane	8.43	62	96048	21.673	ug/l	98
43) Isopropyl Acetate	8.46	43	93682	20.522	ug/l	99
44) Trichloroethene	9.11	130	95258	20.809	ug/l	97
45) 1,2-Dichloropropane	9.39	63	78291	21.541	ug/l	93
46) Dibromomethane	9.47	93	42361	20.651	ug/l	98
47) Bromodichloromethane	9.67	83	113232	21.483	ug/l	98
48) Methyl methacrylate	9.46	41	41420	19.829	ug/l	97
49) 1,4-Dioxane	9.47	88	9609	379.350	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	224510	99.399	ug/l	99
52) Toluene	10.40	92	211660	21.371	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	106707	21.243	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	128350	21.509	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	58757	20.919	ug/l	96
56) Ethyl methacrylate	10.67	69	71316	19.907	ug/l	97
57) 1,3-Dichloropropane	10.95	76	101734	21.277	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	153935	107.791	ug/l	99
59) 2-Hexanone	10.99	43	153697	98.067	ug/l	98
60) Dibromochloromethane	11.14	129	79310	20.826	ug/l	97
61) 1,2-Dibromoethane	11.25	107	55439	19.768	ug/l	100
64) Tetrachloroethene	10.88	164	82762	21.015	ug/l	94
65) Chlorobenzene	11.67	112	220910	20.509	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	85451	21.430	ug/l	98
67) Ethyl Benzene	11.75	91	393614	20.538	ug/l	99
68) m/p-Xylenes	11.86	106	308513	42.220	ug/l	99
69) o-Xylene	12.18	106	138599	20.537	ug/l	99
70) Styrene	12.20	104	240623	20.518	ug/l	99
71) Bromoform	12.36	173	47114	19.749	ug/l #	98
73) Isopropylbenzene	12.48	105	383211	19.952	ug/l	99
74) N-amyl acetate	12.30	43	85033	19.506	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	58197	18.323	ug/l	92
76) 1,2,3-Trichloropropane	12.78	75	37543m	17.095	ug/l	
77) Bromobenzene	12.77	156	93976	19.813	ug/l	100
78) n-propylbenzene	12.83	91	447948	20.213	ug/l	99
79) 2-Chlorotoluene	12.91	91	245396	20.124	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	314290	20.024	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	19377	19.239	ug/l	98
82) 4-Chlorotoluene	13.01	91	257009	19.906	ug/l	100
83) tert-Butylbenzene	13.23	119	275691	20.204	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	308487	19.546	ug/l	100
85) sec-Butylbenzene	13.41	105	375680	20.059	ug/l	99
86) p-Isopropyltoluene	13.53	119	353262	19.979	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	177484	19.715	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	177398	19.959	ug/l	99
89) n-Butylbenzene	13.85	91	327610	20.403	ug/l	99
90) Hexachloroethane	14.12	117	68416	20.688	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	149185	19.391	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10113	18.553	ug/l	85

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ClientSampleId :
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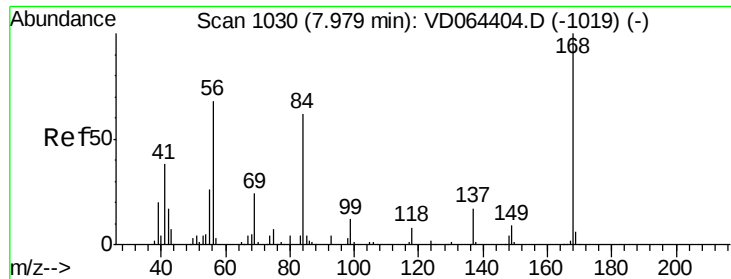
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	117691	19.974	ug/l	97
94) Hexachlorobutadiene	15.28	225	71940	19.778	ug/l	98
95) Naphthalene	15.41	128	181973	18.506	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	97840	19.453	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: VD064562.D

Acq: 23 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBSD01

Tot Ion:168 Resp: 394616

Ion Ratio Lower Upper

168 100

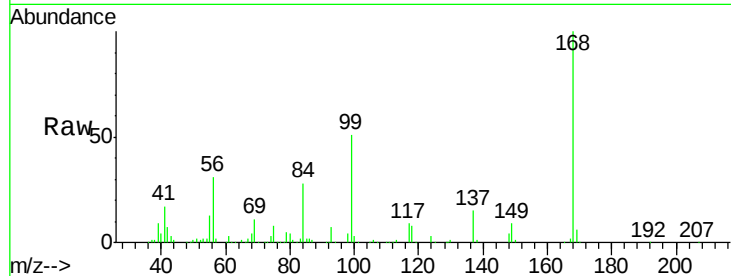
99 50.4 40.7 61.1

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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

200000

150000

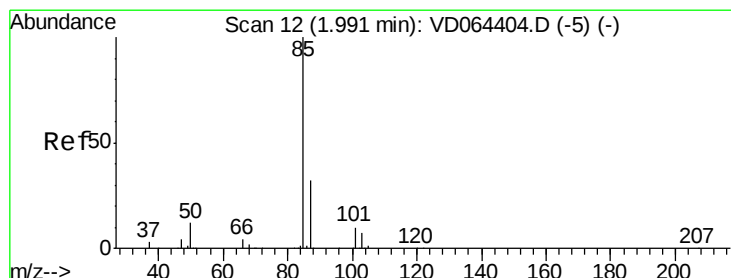
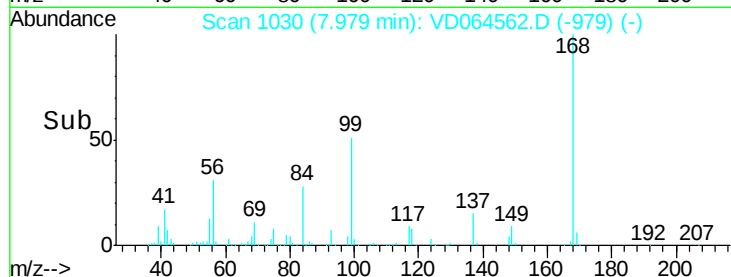
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.510 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064562.D

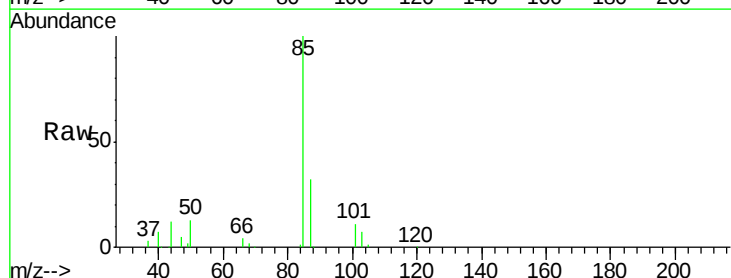
Acq: 23 Dec 2019 12:14

Tgt Ion: 85 Resp: 73336

Ion Ratio Lower Upper

85 100

87 32.4 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

50000

40000

30000

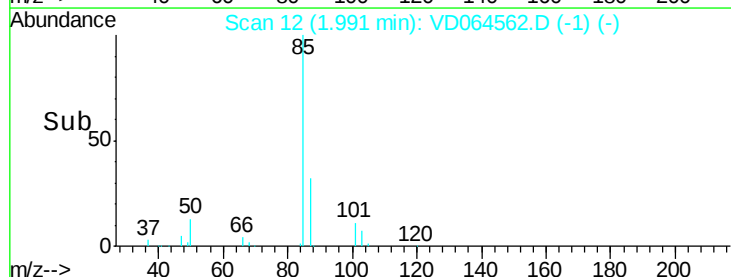
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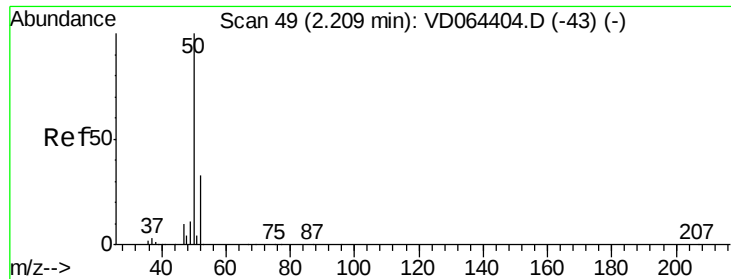
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 20.972 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBSD01

Tot Ion: 50 Resp: 94578

Ion Ratio Lower Upper

50 100

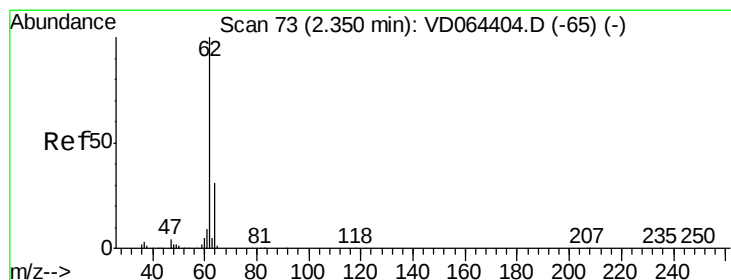
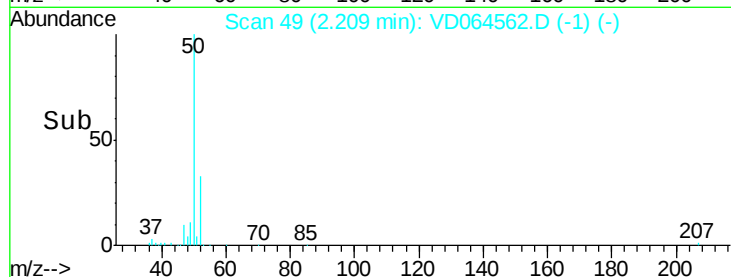
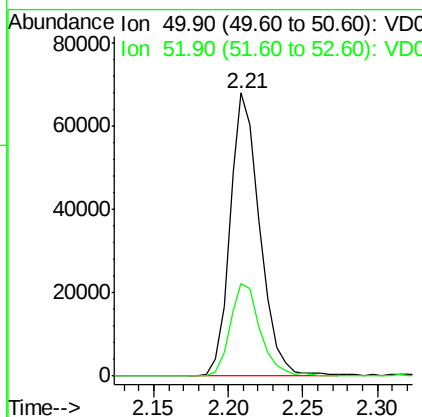
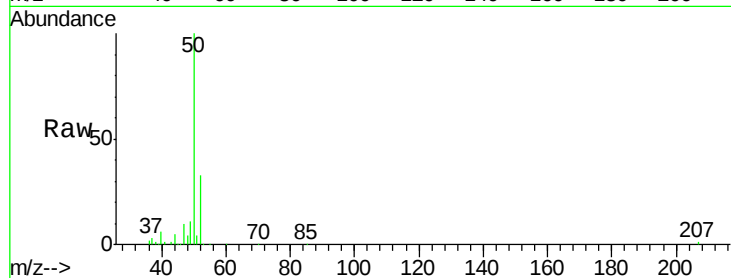
52 32.8 26.7 40.1

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#4

Vinyl Chloride

Concen: 21.397 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064562.D

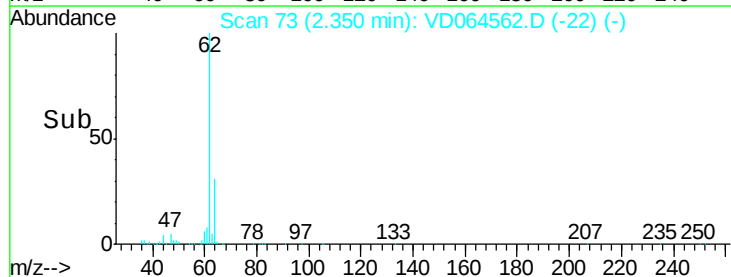
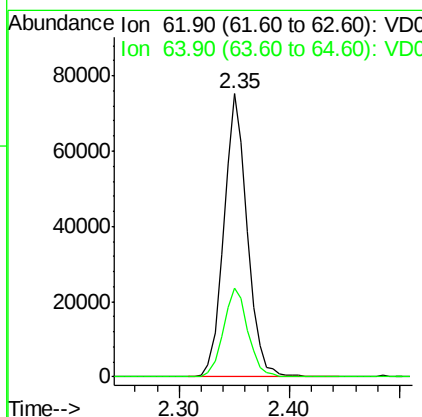
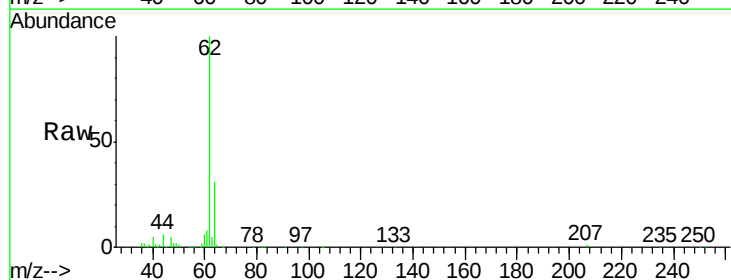
Acq: 23 Dec 2019 12:14

Tgt Ion: 62 Resp: 111415

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.4





#5

Bromomethane

Concen: 19.938 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

Tot Ion: 94 Resp: 76775

Ion Ratio Lower Upper

94 100

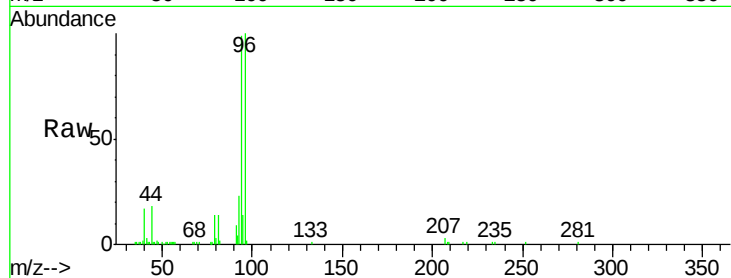
96 100.1 73.6 110.4

Manual Integrations

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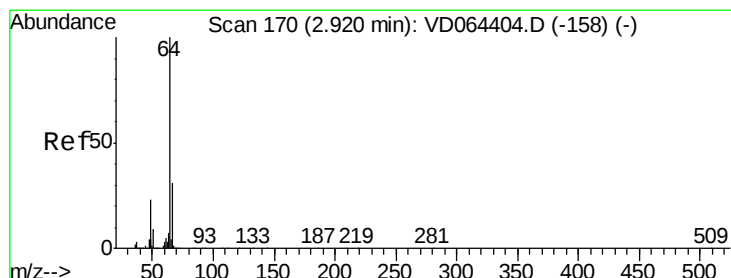
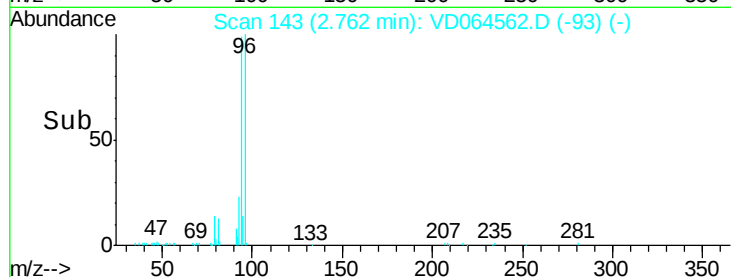
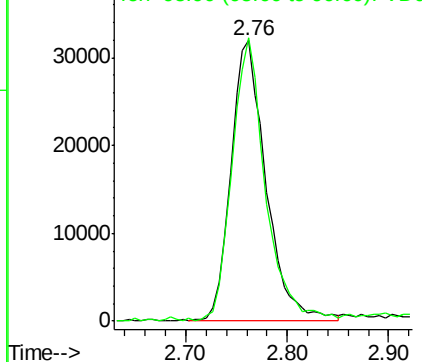
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.924 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064562.D

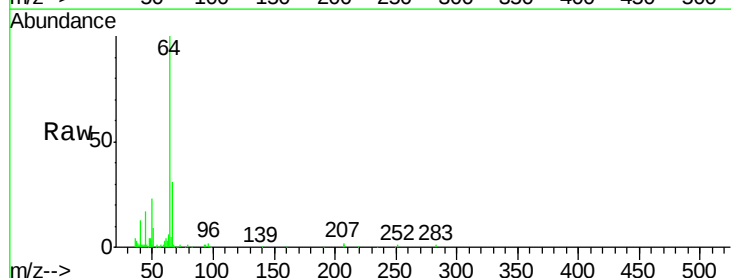
Acq: 23 Dec 2019 12:14

Tgt Ion: 64 Resp: 76306

Ion Ratio Lower Upper

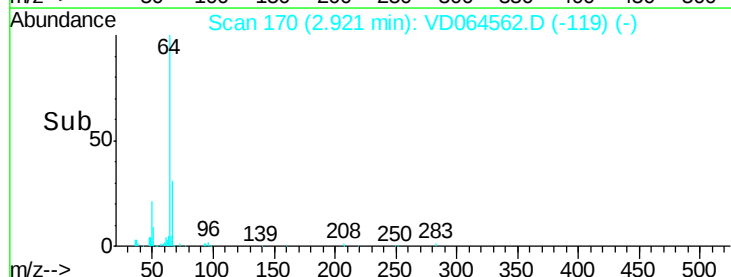
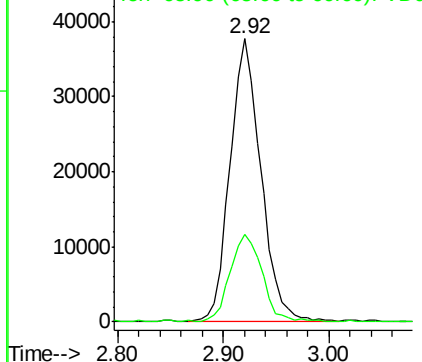
64 100

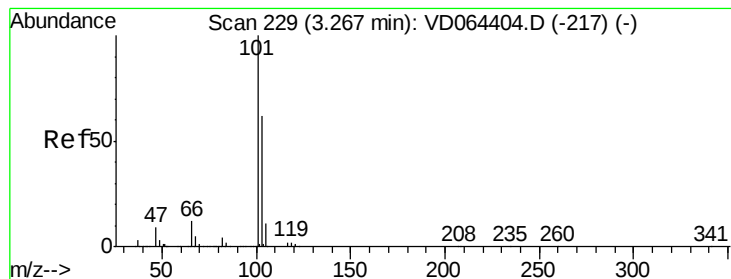
66 30.9 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





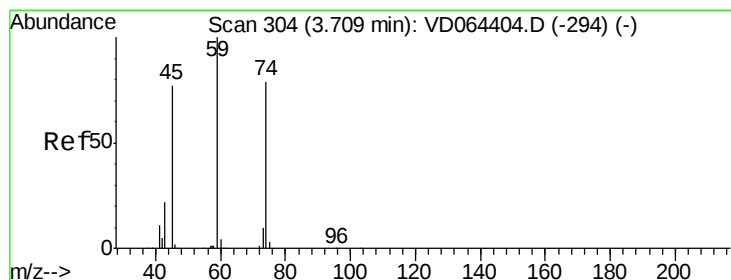
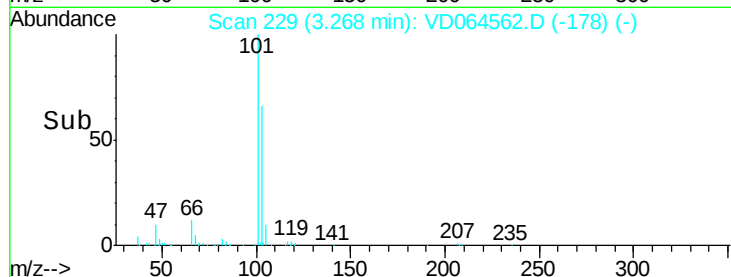
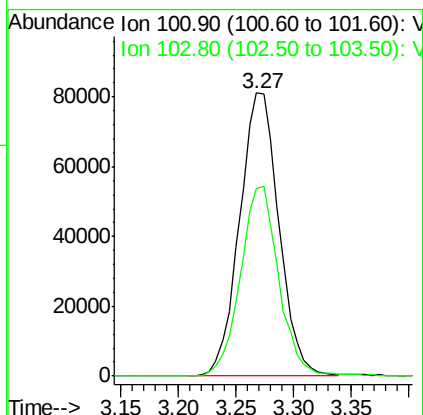
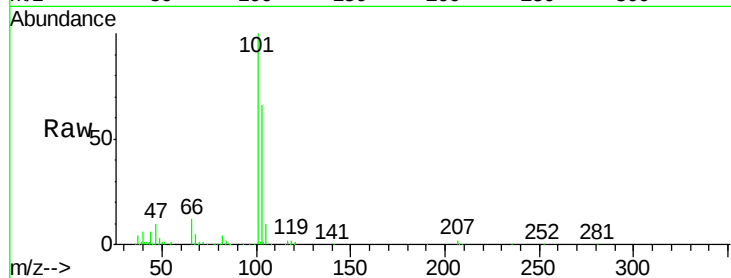
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 Trichlorofluoromethane
 Concen: 22.255 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064562.D
 Acq: 23 Dec 2019 12:14

Instrument :
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 VD1223SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	192644		
103	66.2	49.8	74.6	

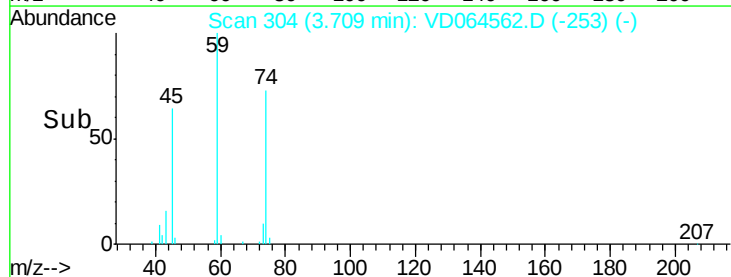
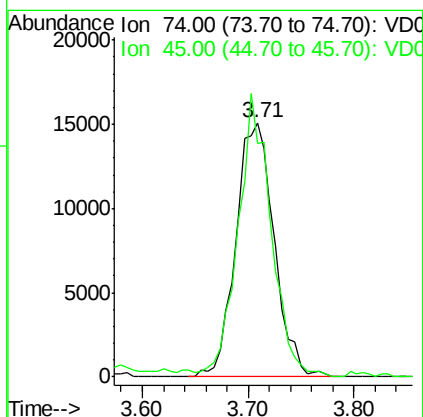
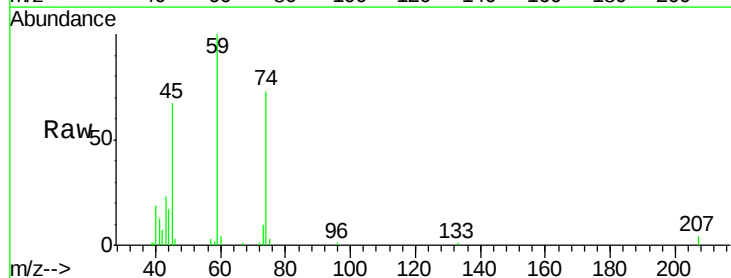
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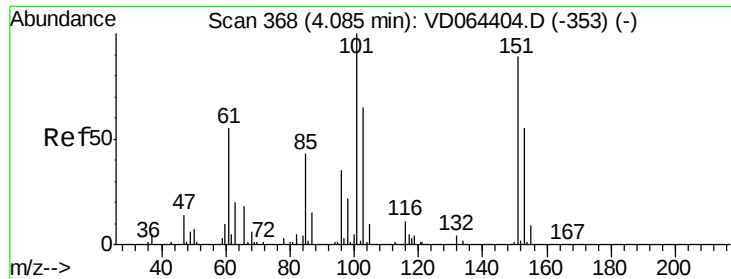
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#8
 Diethyl Ether
 Concen: 21.006 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064562.D
 Acq: 23 Dec 2019 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	37786		
45	97.0	48.6	145.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.540 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

Instrument :

MSVOA_D

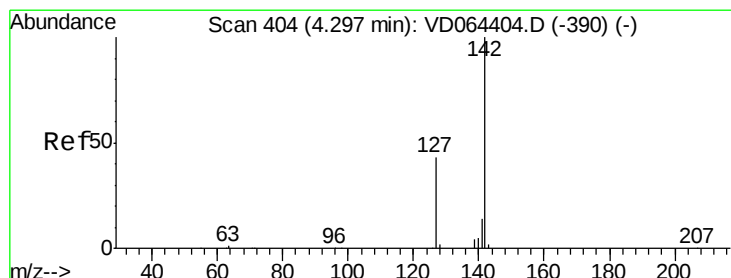
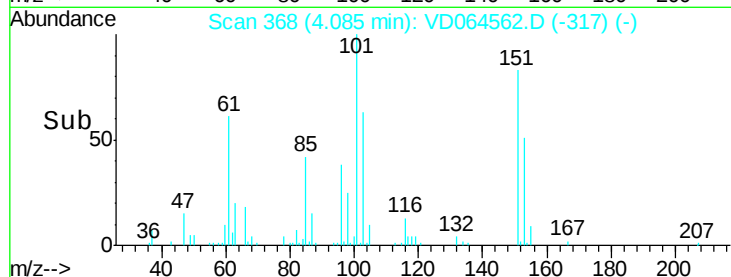
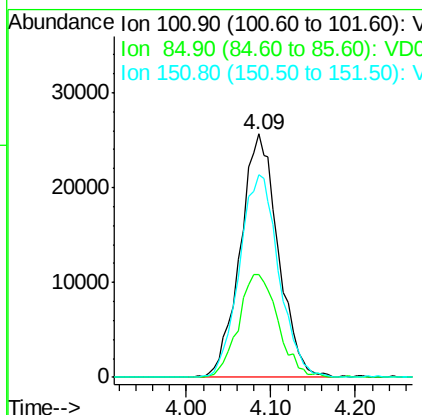
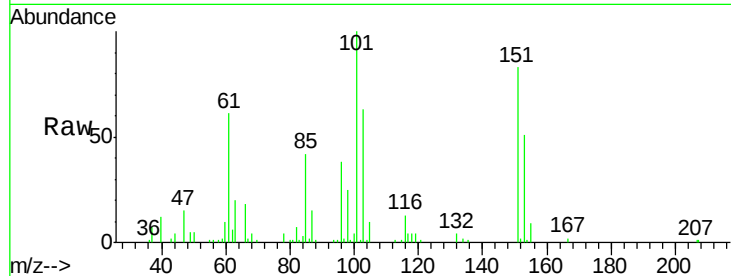
ClientSampleId :

VD1223SBSD01

Tot Ion:	101	Resp:	79949
Ion Ratio	Lower	Upper	
101	100		
85	43.9	34.8	52.2
151	86.4	68.8	103.2

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#10

Methyl Iodide

Concen: 20.580 ug/l

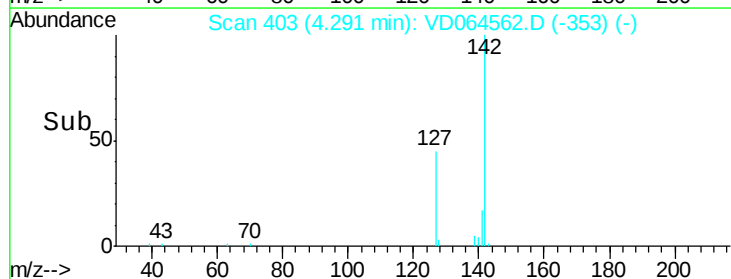
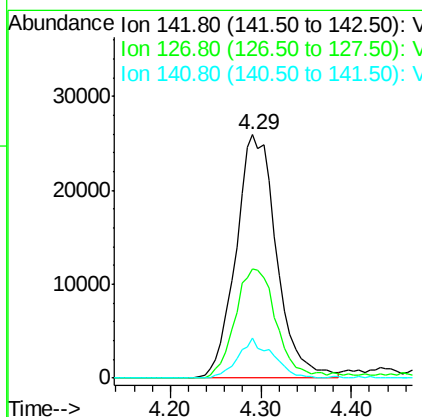
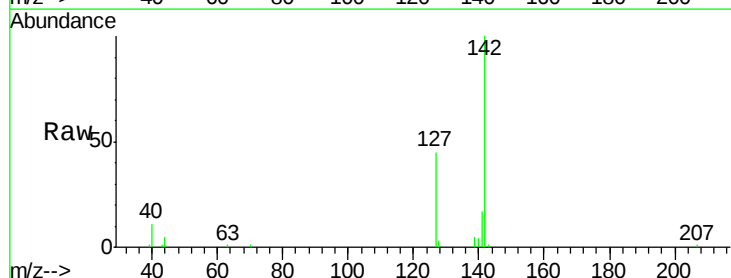
RT: 4.29 min Scan# 403

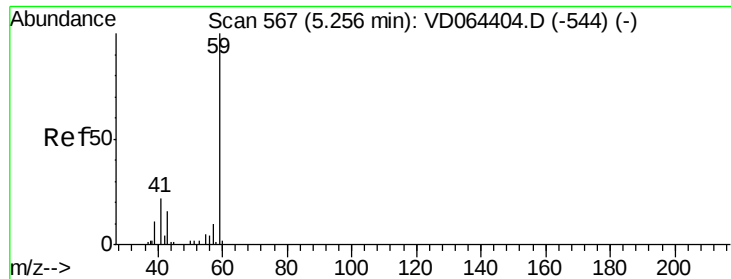
Delta R.T. -0.01 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

Tgt Ion:	142	Resp:	80666
Ion Ratio	Lower	Upper	
142	100		
127	45.5	35.3	52.9
141	14.2	11.6	17.4





#11

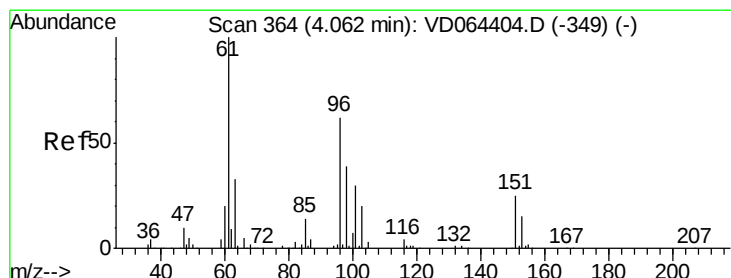
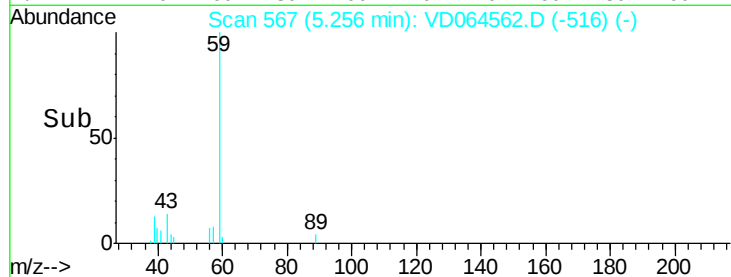
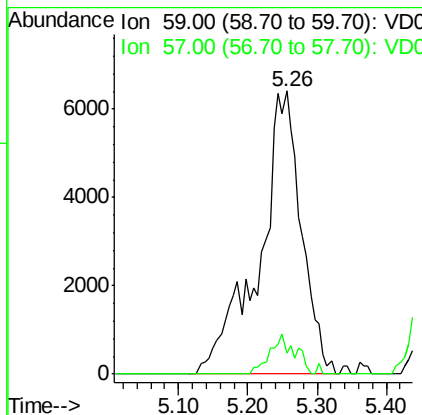
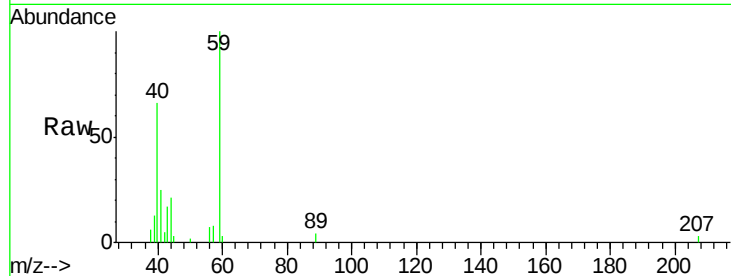
Tert butyl alcohol
Concen: 119.362 ug/l m
RT: 5.26 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

Tot Ion: 59 Resp: 27139
Ion Ratio Lower Upper
59 100
57 8.4 0.0 0.0#

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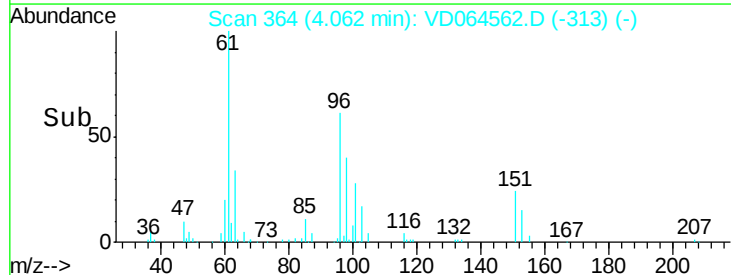
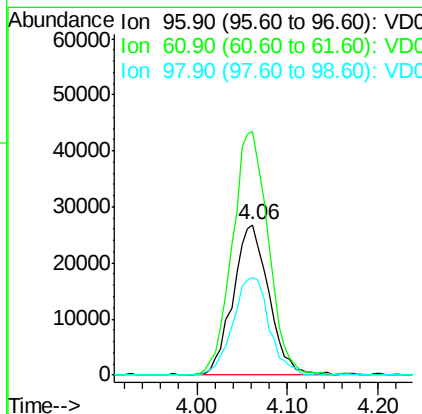
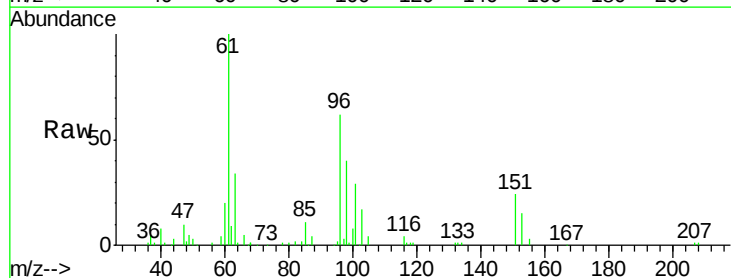
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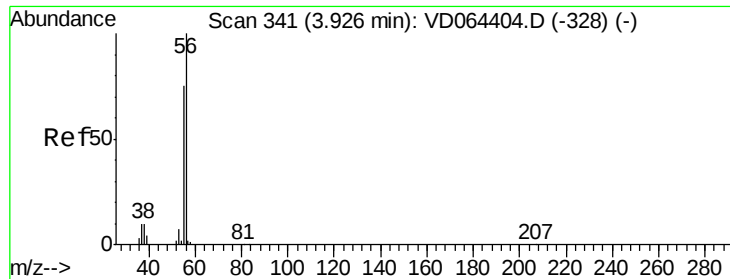


#12

1,1-Dichloroethene
Concen: 20.635 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Tgt Ion: 96 Resp: 73397
Ion Ratio Lower Upper
96 100
61 162.0 128.2 192.4
98 65.1 50.4 75.6





#13

Acrolein

Concen: 76.711 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBSD01

Tot Ion: 56 Resp: 23790

Ion Ratio Lower Upper

56 100

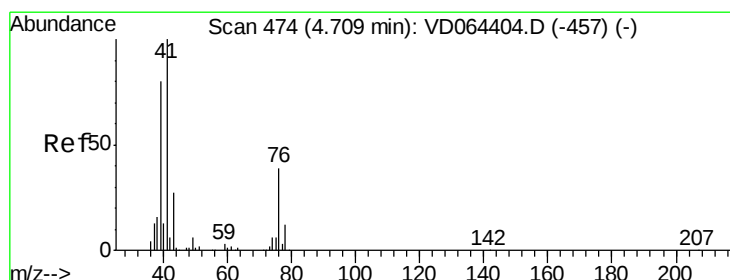
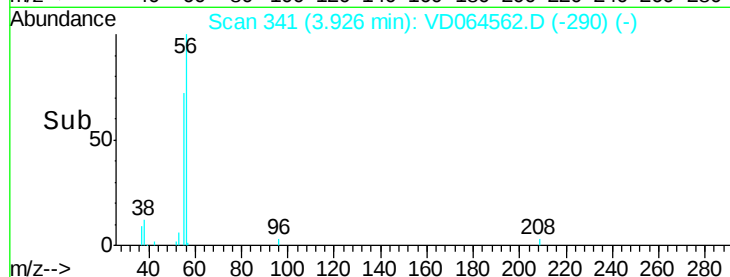
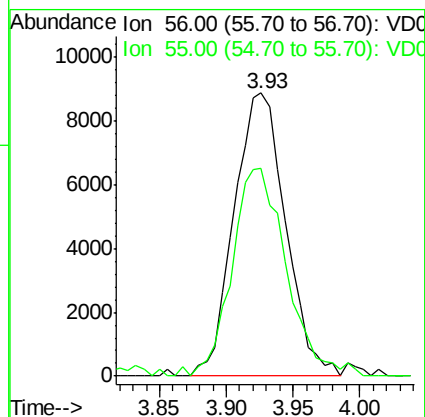
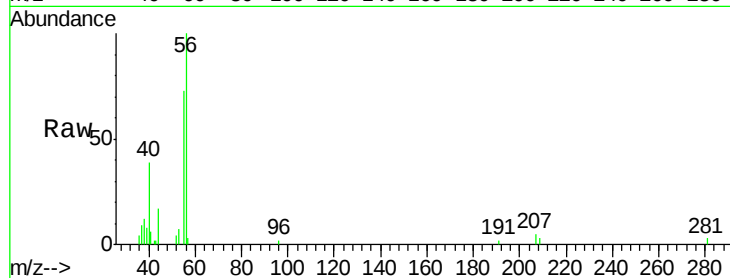
55 77.8 56.9 85.3

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#14

Allyl chloride

Concen: 21.224 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

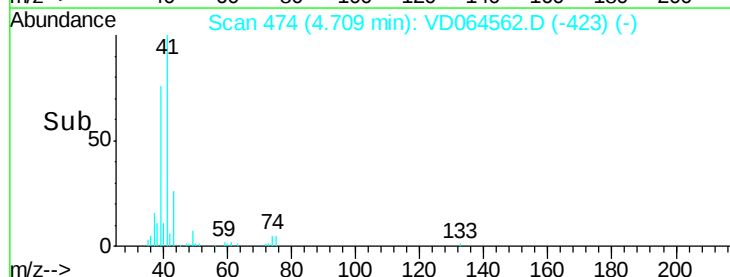
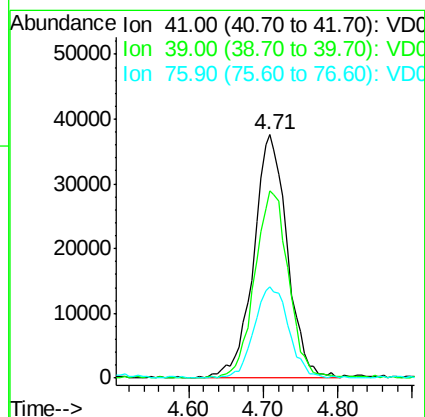
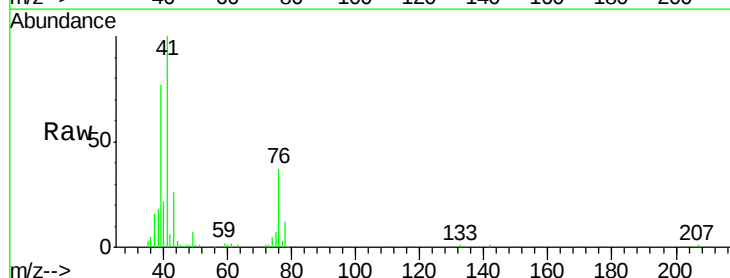
Tgt Ion: 41 Resp: 117814

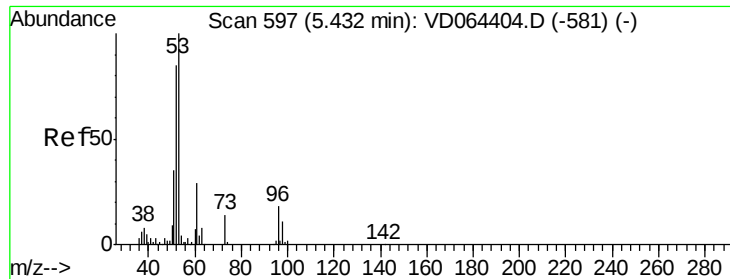
Ion Ratio Lower Upper

41 100

39 76.9 62.1 93.1

76 38.5 29.8 44.8





#15

Acrylonitrile

Concen: 99.093 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

Instrument :

MSVOA_D

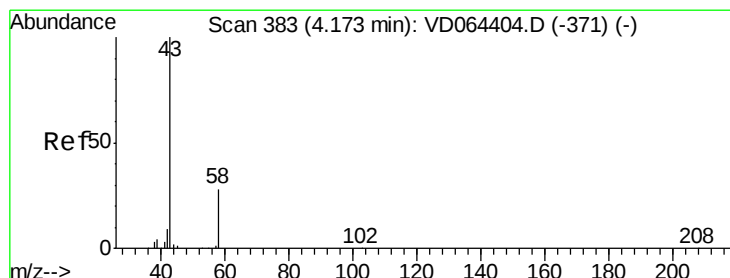
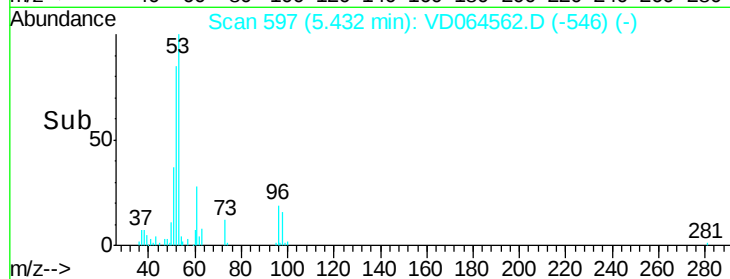
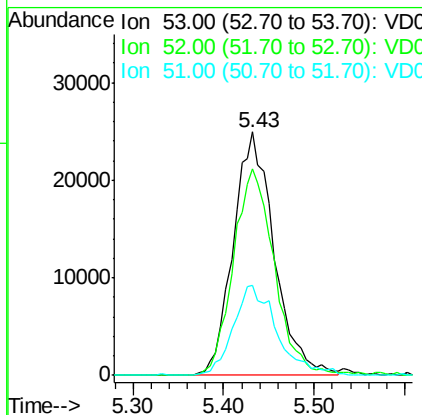
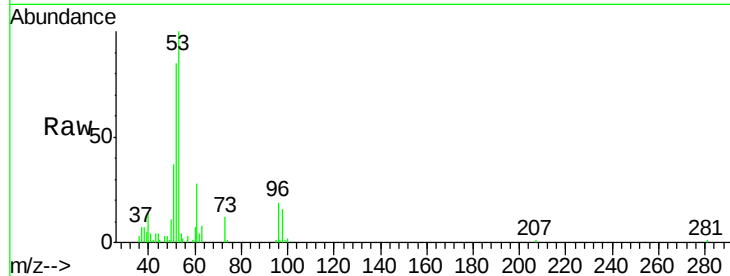
ClientSampleId :

VD1223SBS01

Tot Ion:	53	Resp:	77946
Ion	Ratio	Lower	Upper
53	100		
52	85.7	67.9	101.9
51	39.6	30.6	45.8

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#16

Acetone

Concen: 96.818 ug/l

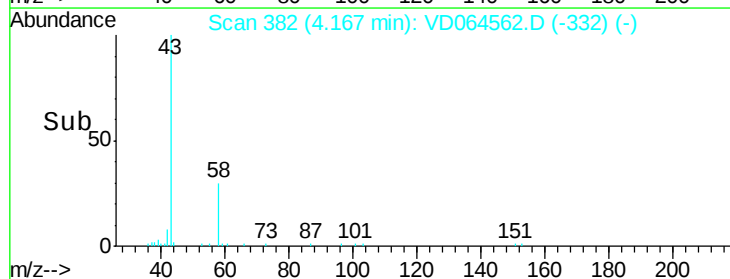
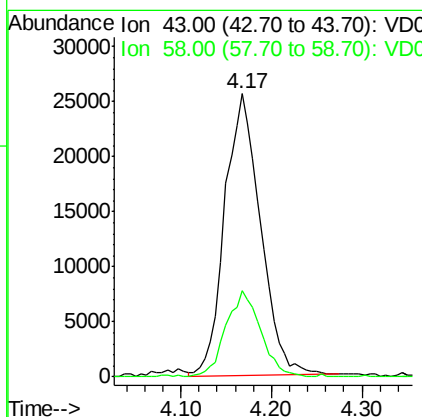
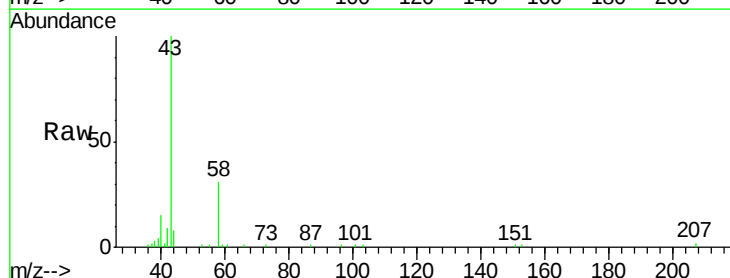
RT: 4.17 min Scan# 382

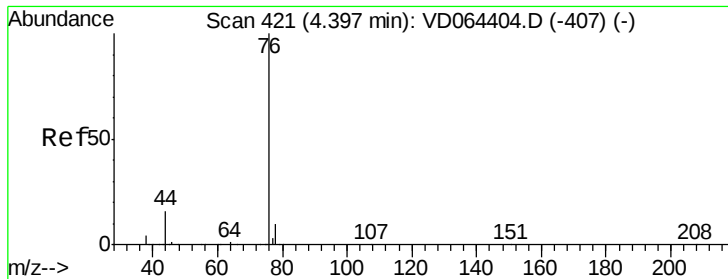
Delta R.T. -0.01 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

Tgt Ion:	43	Resp:	69883
Ion	Ratio	Lower	Upper
43	100		
58	30.9	22.6	33.8





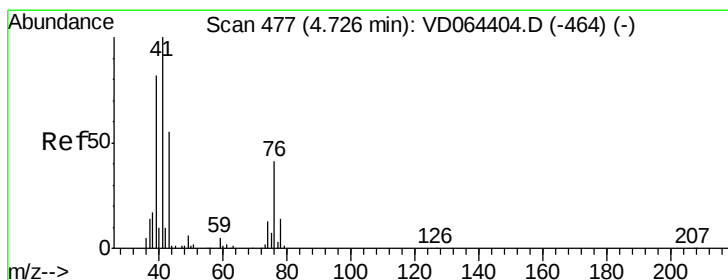
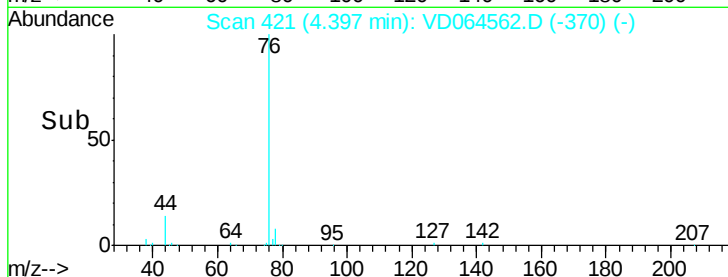
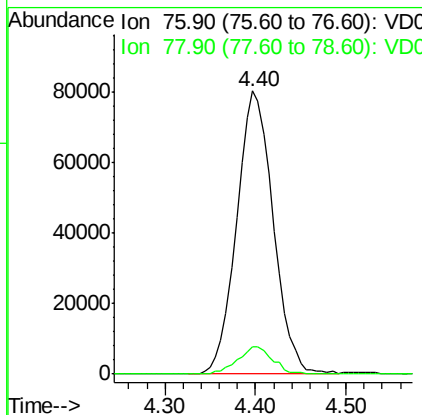
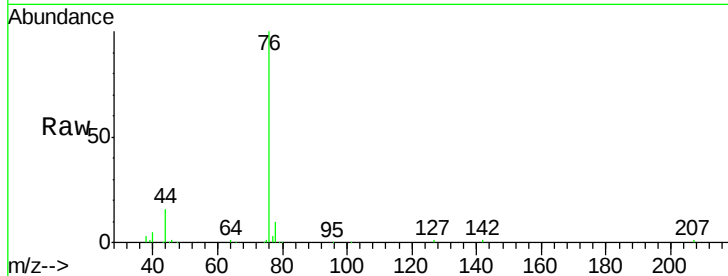
#17
Carbon Disulfide
Concen: 19.995 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.8	11.8

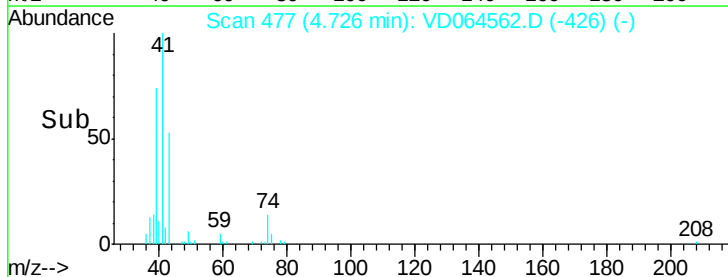
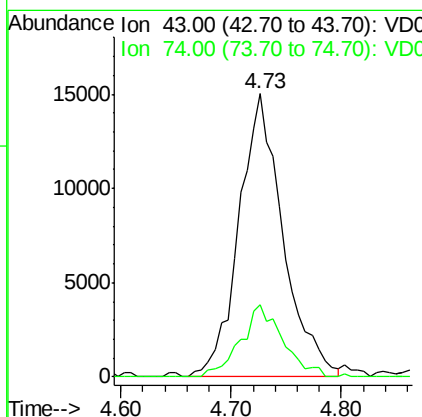
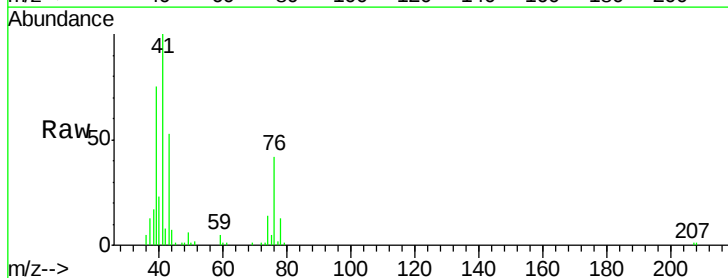
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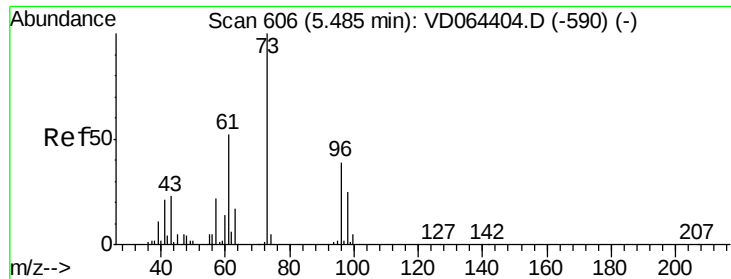
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#18
Methyl Acetate
Concen: 19.976 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.7	29.5





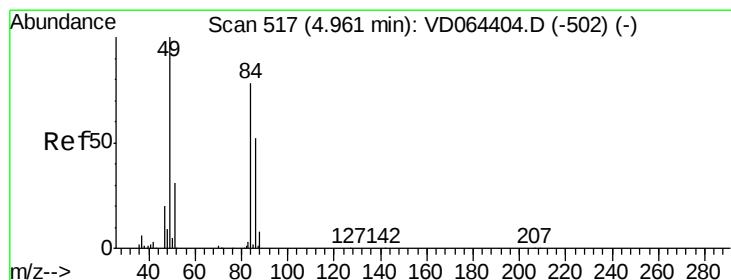
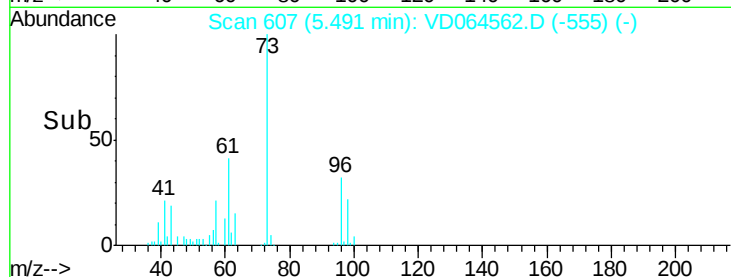
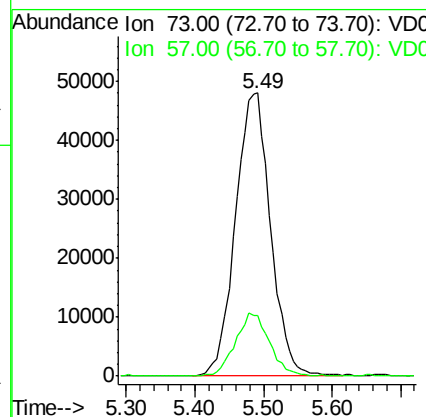
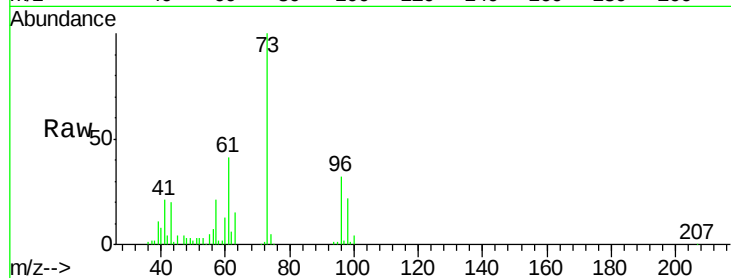
#19
Methvl tert-butvl Ether
Concen: 20.908 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

Tot Ion: 73 Resp: 170591
Ion Ratio Lower Upper
73 100
57 21.3 17.6 26.4

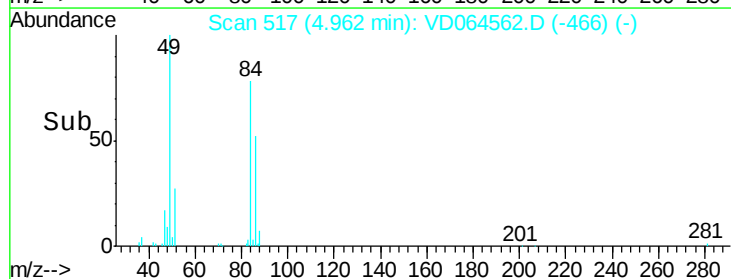
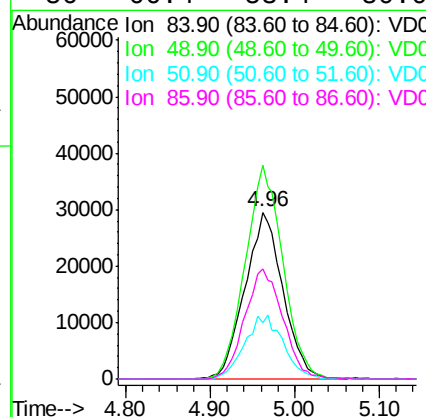
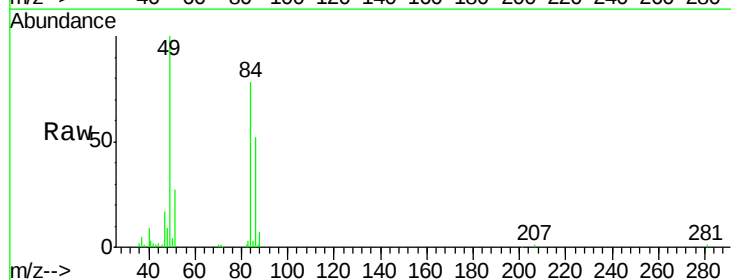
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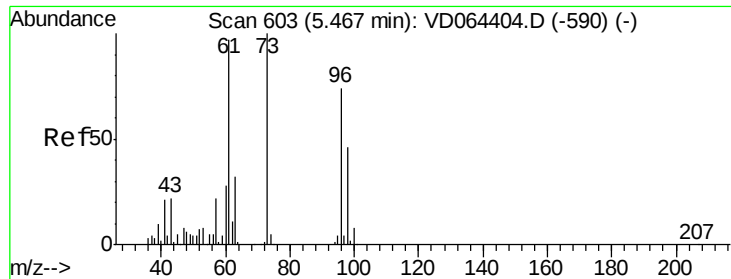
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#20
Methylene Chloride
Concen: 22.751 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Tgt Ion: 84 Resp: 92326
Ion Ratio Lower Upper
84 100
49 128.2 102.6 153.8
51 34.1 32.0 48.0
86 66.4 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 20.948 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

Instrument :

MSVOA_D

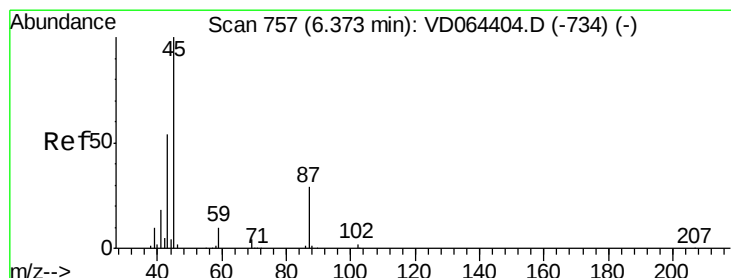
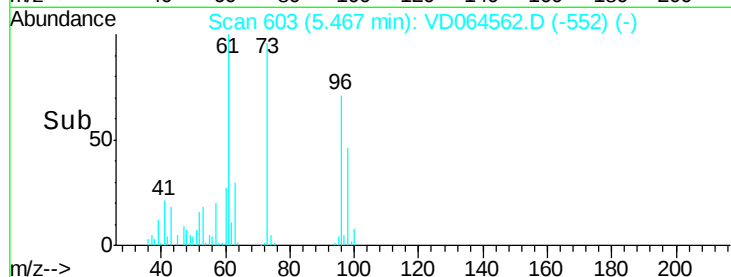
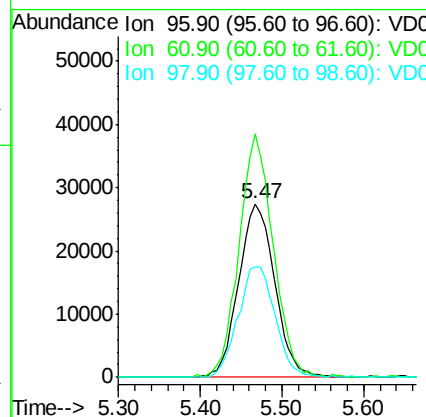
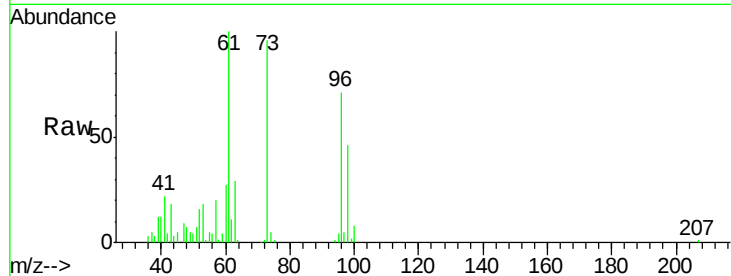
ClientSampleId :

VD1223SBS01

Tot Ion:	96	Resp:	84282
Ion	Ratio	Lower	Upper
96	100		
61	139.6	105.8	158.6
98	63.8	50.1	75.1

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#22

Diisopropyl ether

Concen: 21.322 ug/l

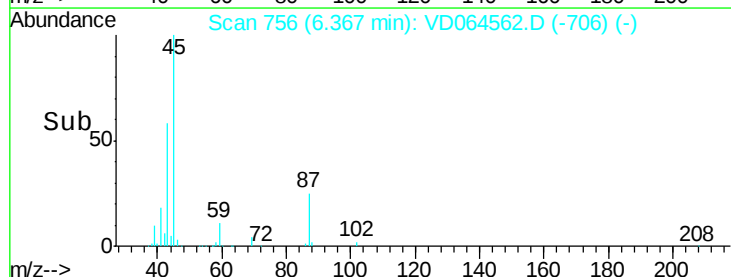
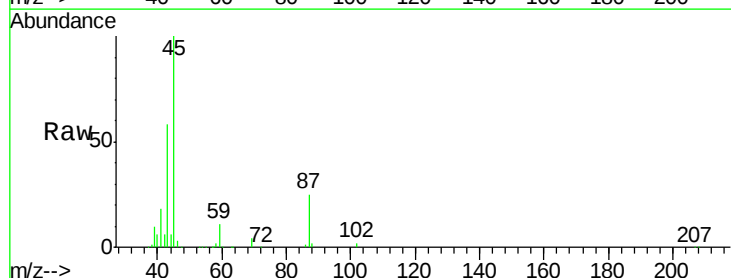
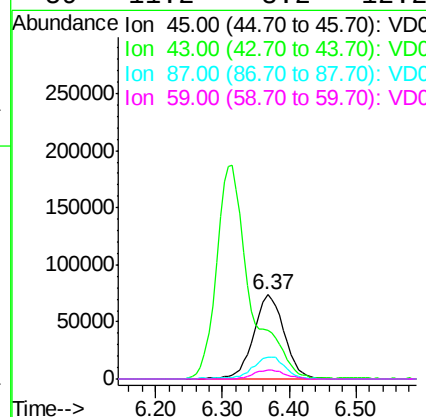
RT: 6.37 min Scan# 756

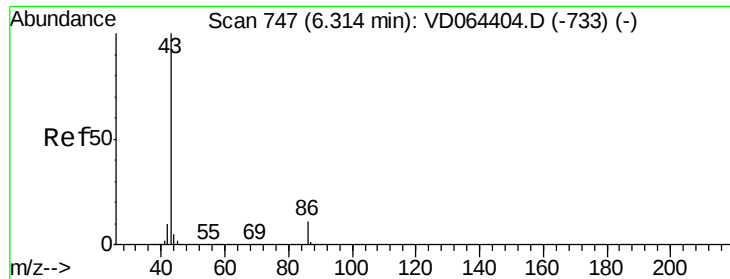
Delta R.T. -0.01 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

Tgt Ion:	45	Resp:	233652
Ion	Ratio	Lower	Upper
45	100		
43	57.3	43.1	64.7
87	25.3	23.5	35.3
59	11.2	8.2	12.2





#23

Vinyl Acetate

Concen: 101.673 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

Tot Ion: 43 Resp: 656836

Ion Ratio Lower Upper

43 100

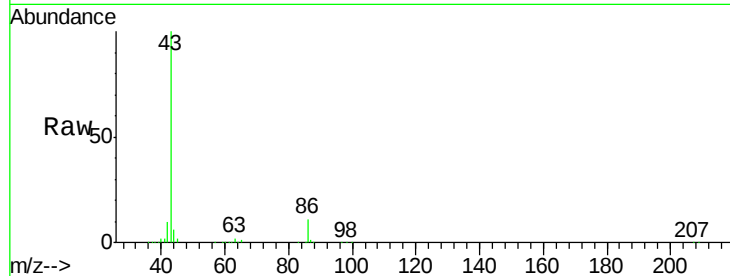
86 10.6 8.9 13.3

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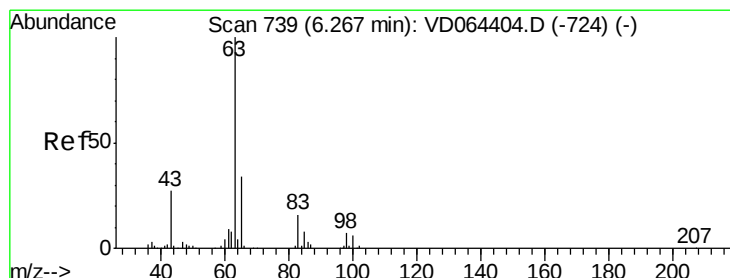
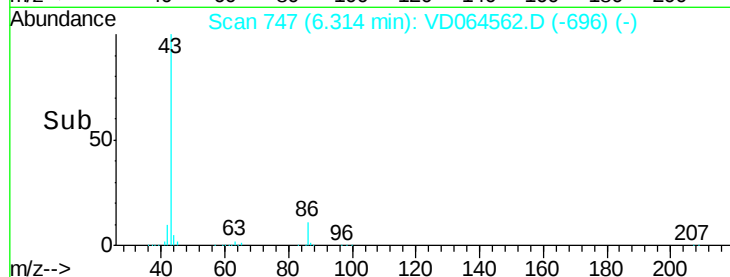
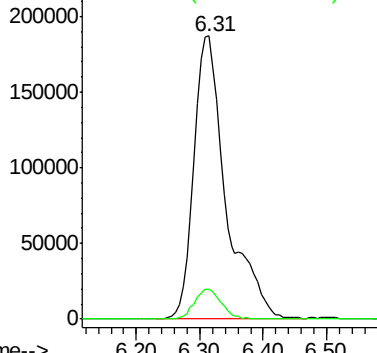
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.745 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

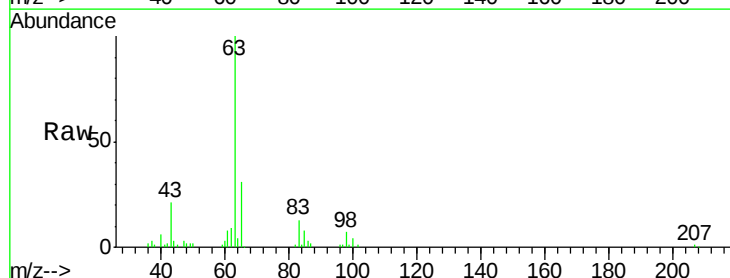
Tgt Ion: 63 Resp: 143305

Ion Ratio Lower Upper

63 100

98 6.9 3.6 10.9

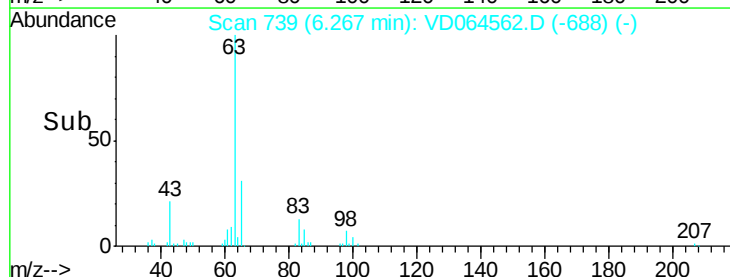
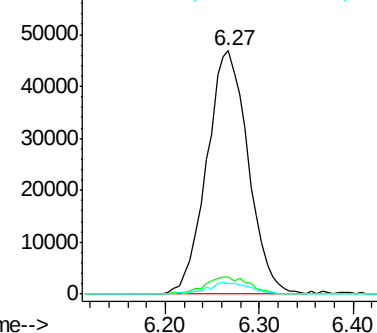
100 4.2 2.9 8.6

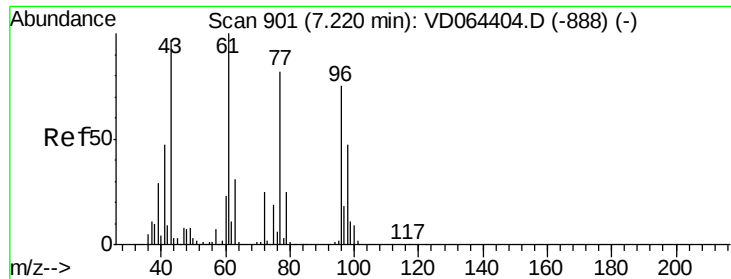


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 97.367 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

Tot Ion: 43 Resp: 99390

Ion Ratio Lower Upper

43 100

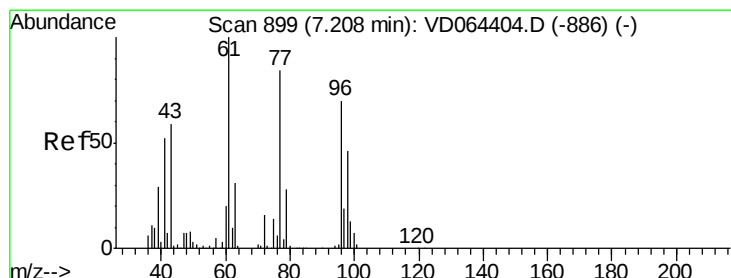
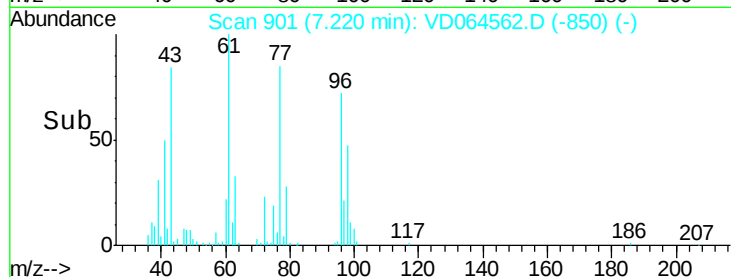
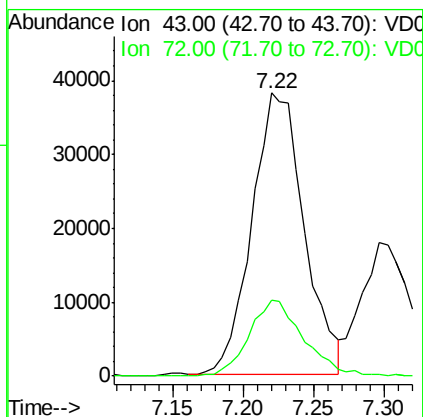
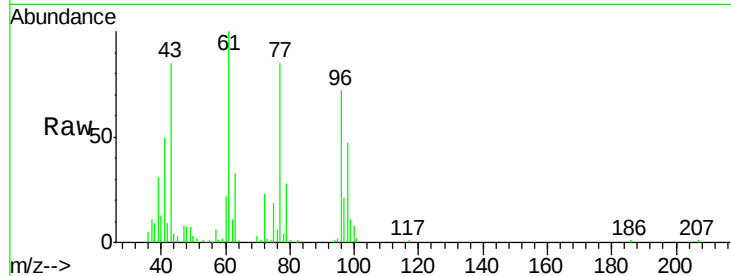
72 26.8 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 22.816 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064562.D

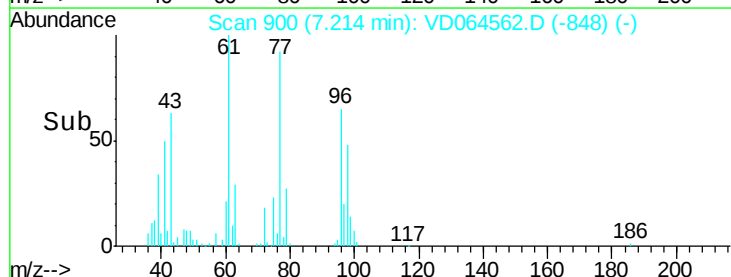
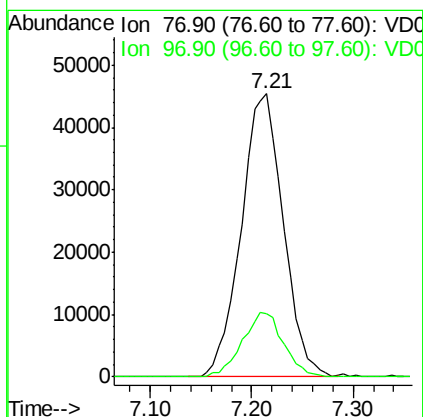
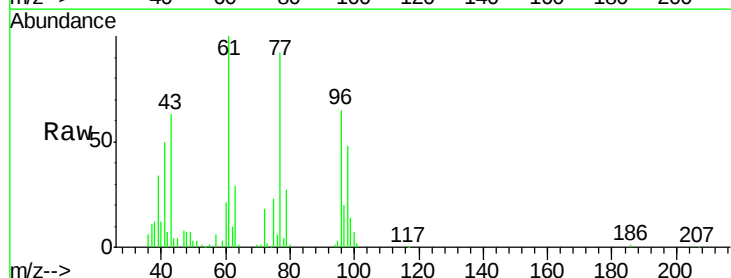
Acq: 23 Dec 2019 12:14

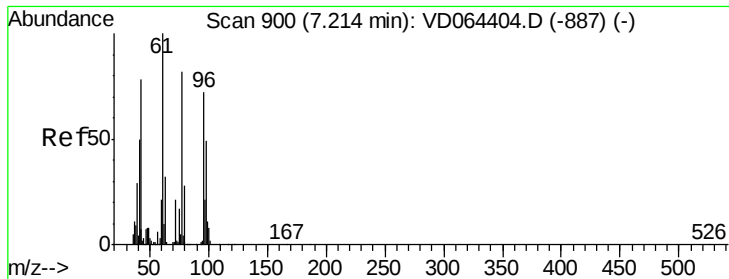
Tgt Ion: 77 Resp: 130760

Ion Ratio Lower Upper

77 100

97 22.3 11.6 34.7





#27

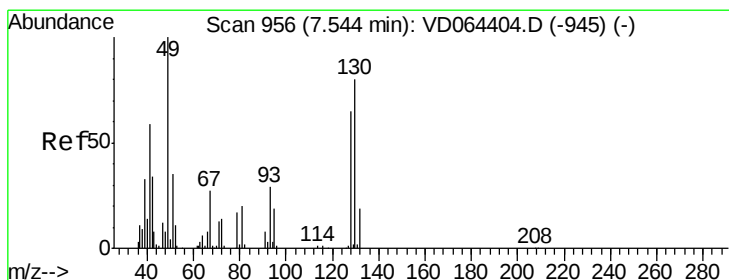
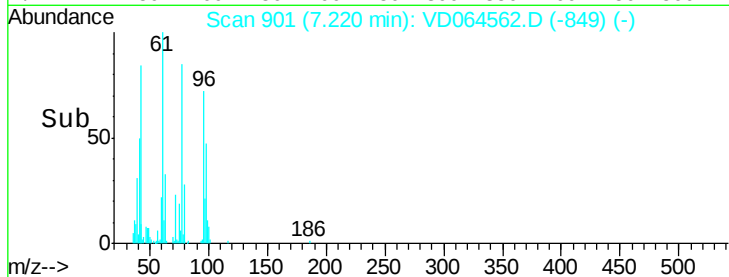
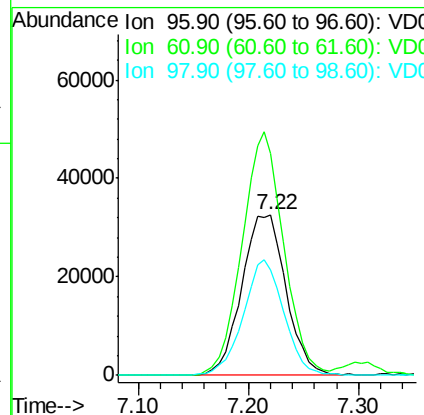
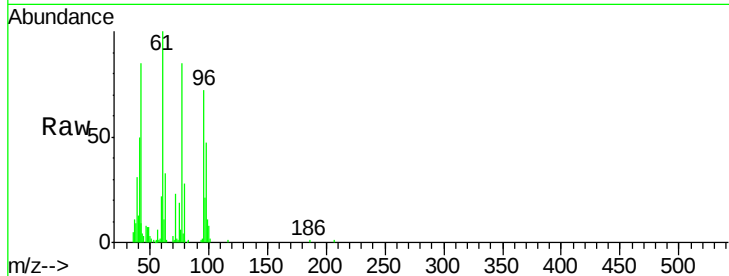
cis-1,2-Dichloroethene
Concen: 20.876 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.4	0.0	279.6	
98	65.9	0.0	129.2	

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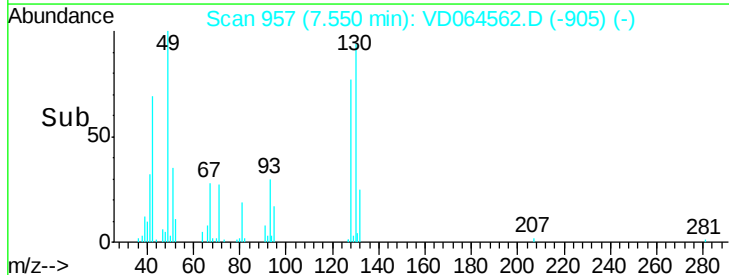
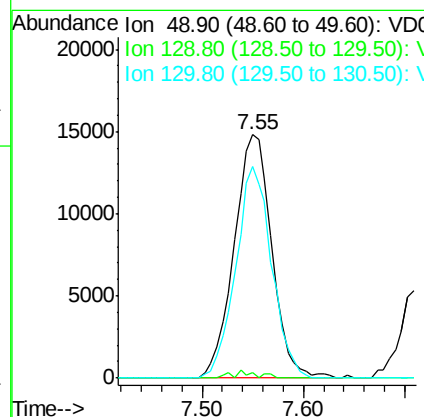
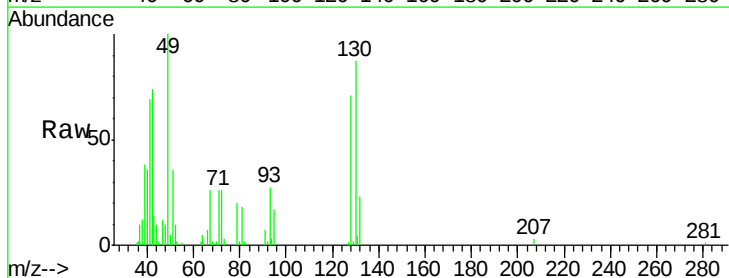
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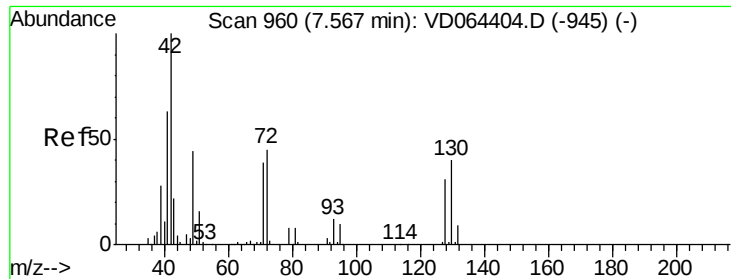


#28

Bromochloromethane
Concen: 16.954 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.0	0.0	4.4	
130	82.9	67.4	101.0	





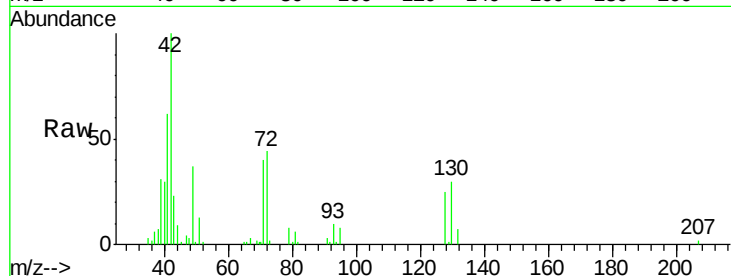
#29
Tetrahydrofuran
Concen: 99.991 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

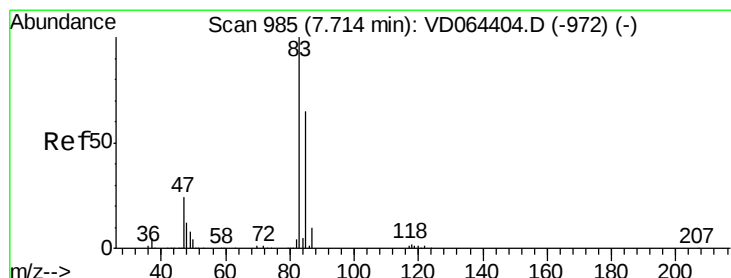
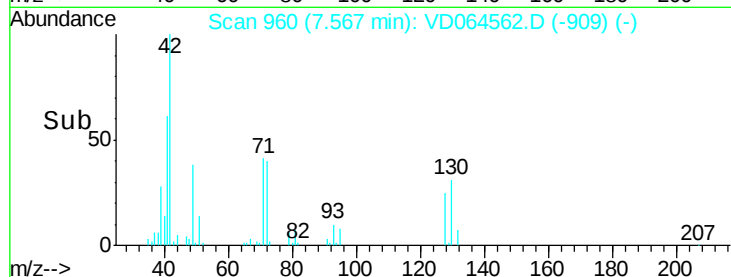
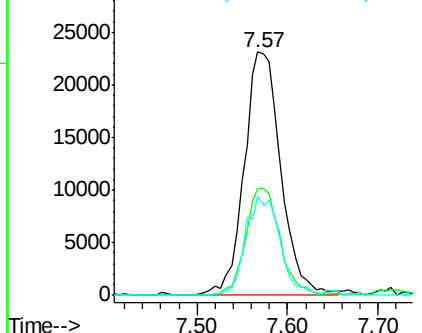
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	35.8	53.8
71	38.3	32.7	49.1

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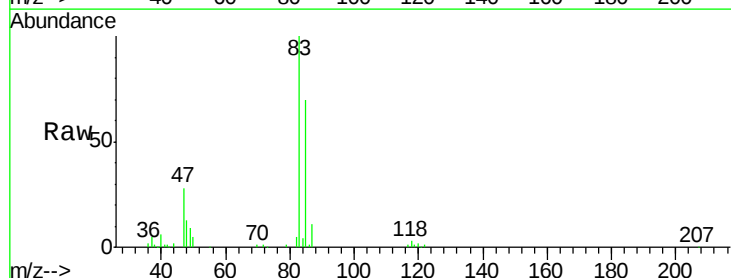


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

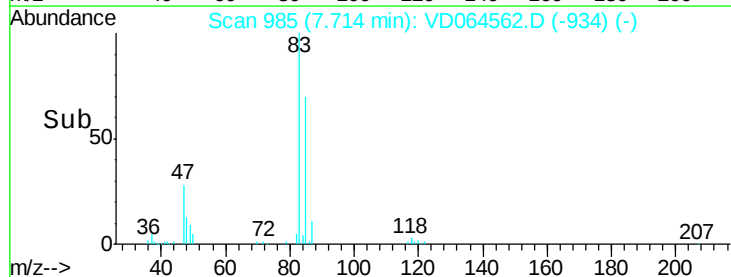
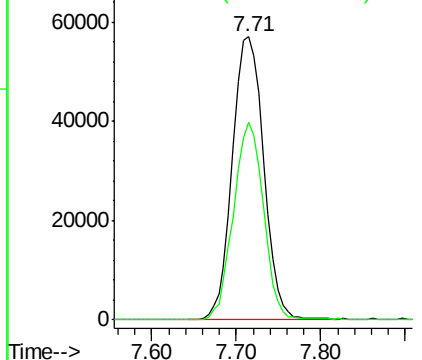


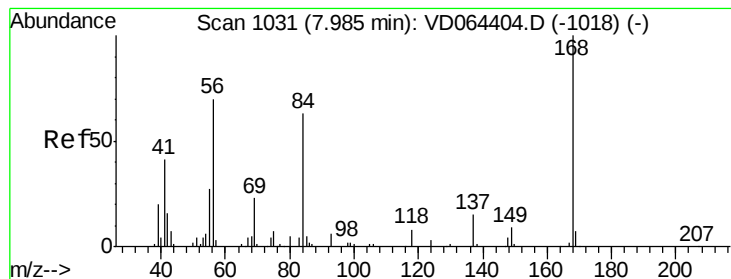
#30
Chloroform
Concen: 21.516 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.8	51.8	77.6



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 20.858 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

Instrument :

MSVOA_D

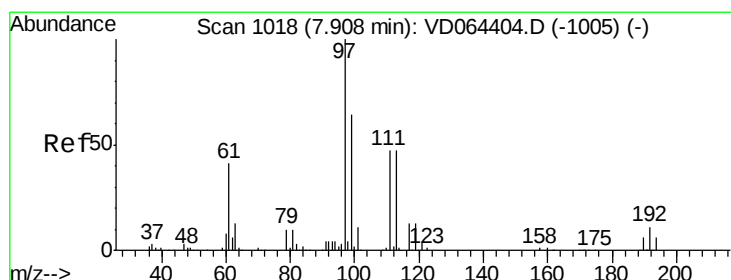
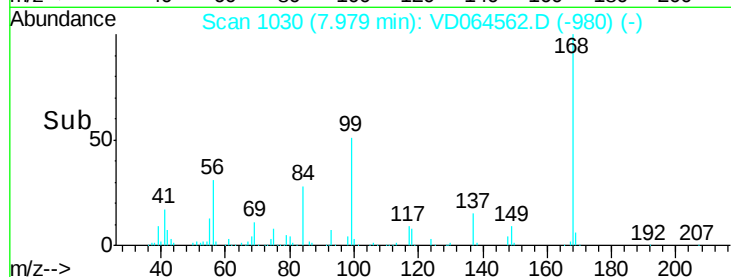
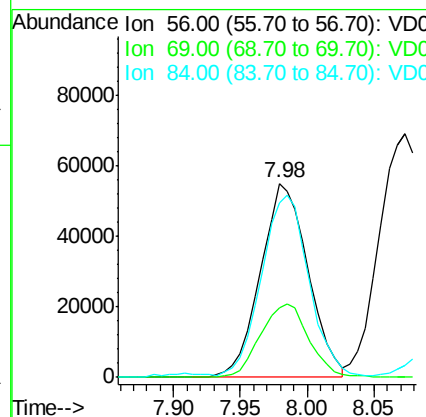
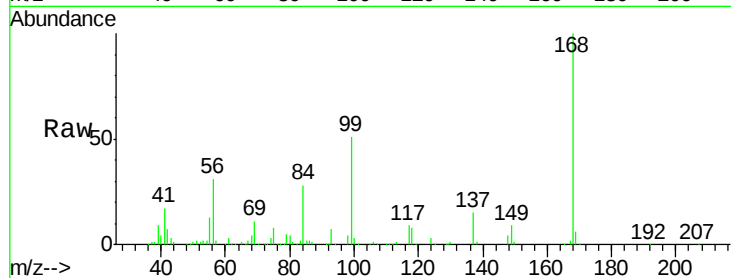
ClientSampleId :

VD1223SBS01

Tot Ion:	56	Resp:	135395
Ion Ratio	Lower	Upper	
56	100		
69	35.7	26.2	39.4
84	88.6	70.3	105.5

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#32

1,1,1-Trichloroethane

Concen: 22.351 ug/l

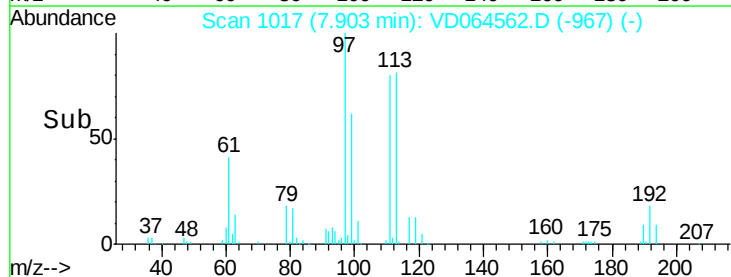
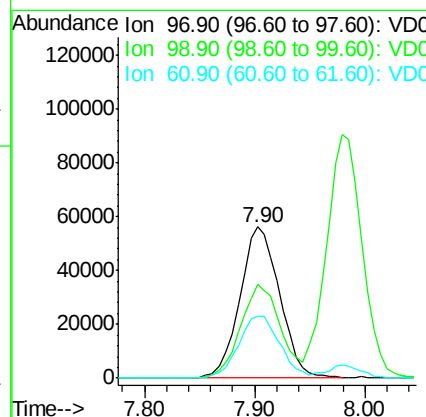
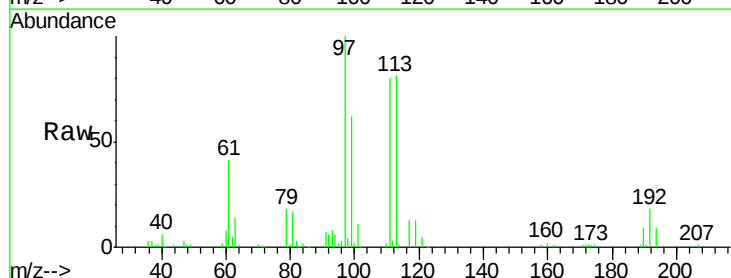
RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

Tgt Ion:	97	Resp:	141428
Ion Ratio	Lower	Upper	
97	100		
99	62.7	51.4	77.2
61	42.9	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 51.043 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

Tot Ion: 65 Resp: 182317

Ion Ratio Lower Upper

65 100

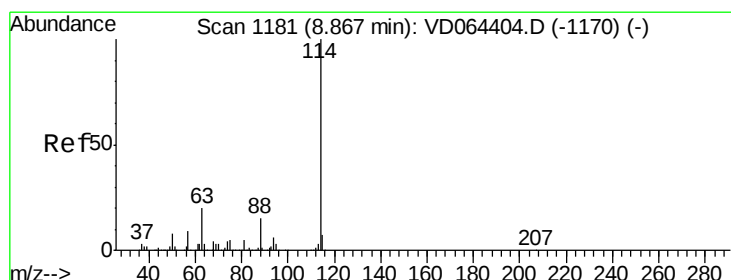
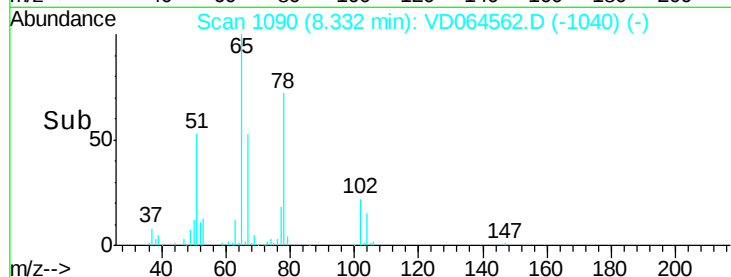
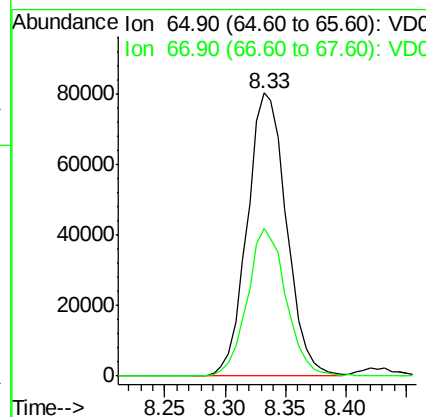
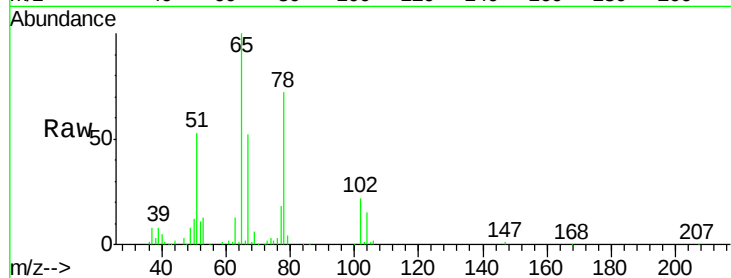
67 51.8 0.0 102.0

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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: VD064562.D

Acq: 23 Dec 2019 12:14

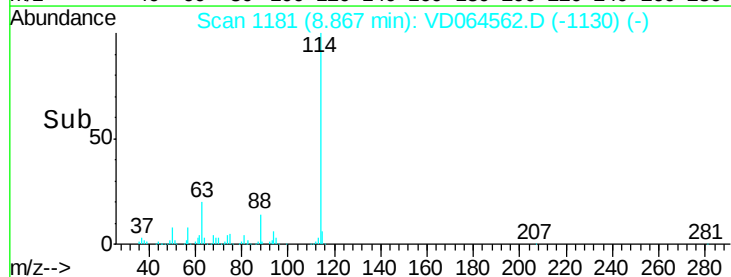
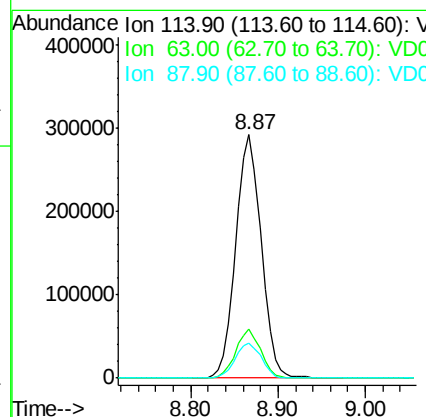
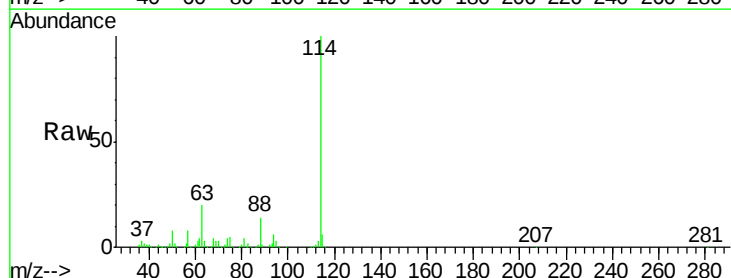
Tgt Ion: 114 Resp: 578473

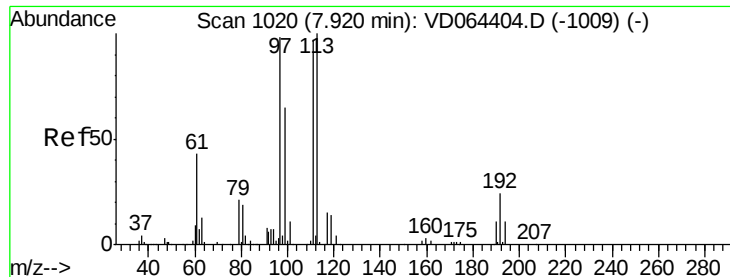
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

88 14.5 0.0 29.2





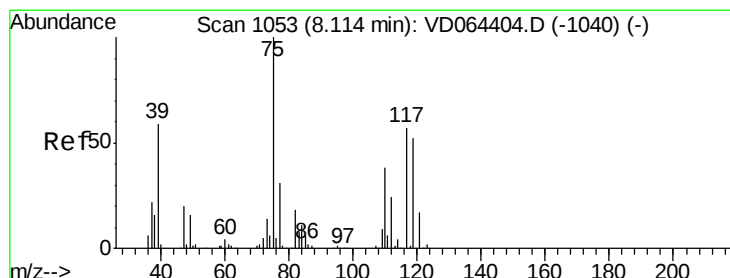
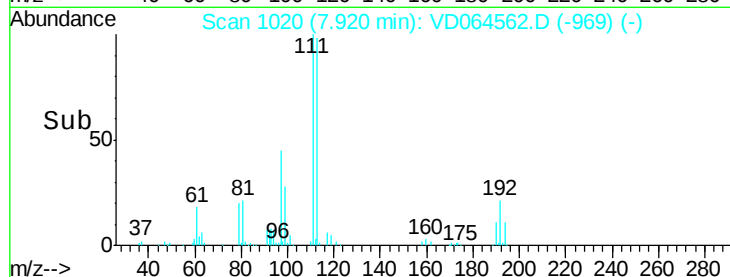
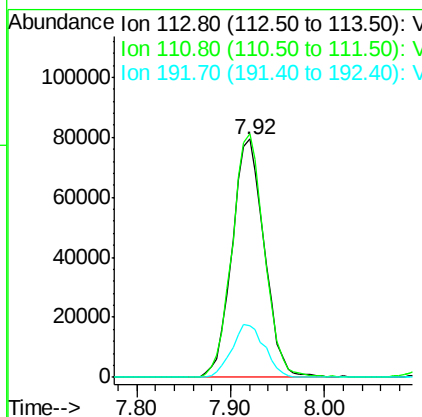
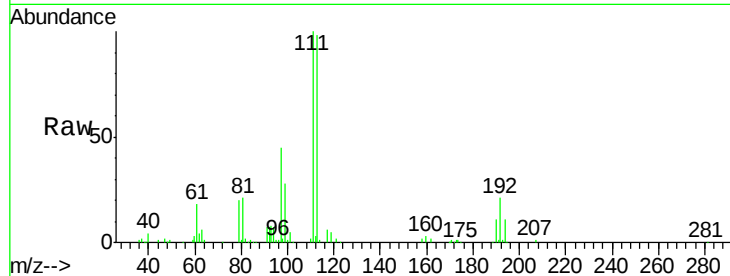
#35
 Dibromofluoromethane
 Concen: 51.836 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064562.D
 Acq: 23 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	79.4	119.2
192	22.6	18.6	28.0

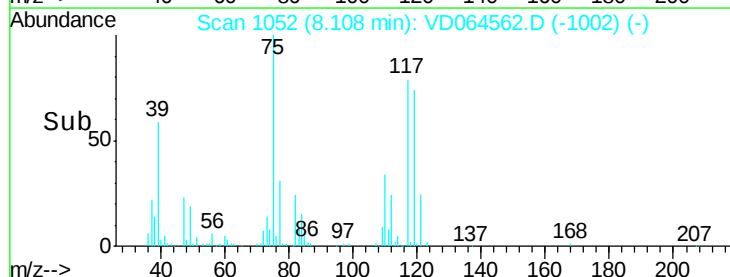
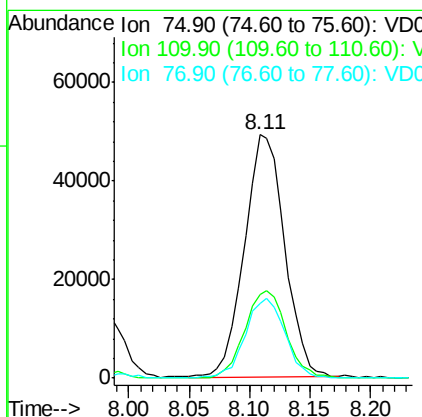
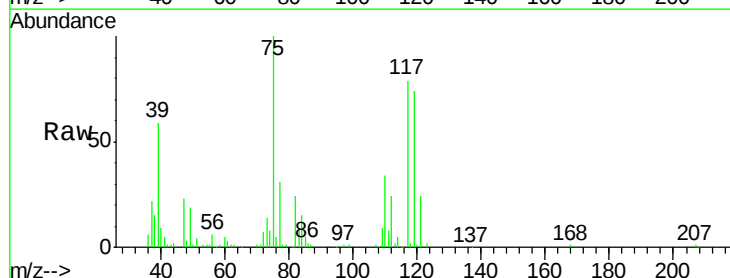
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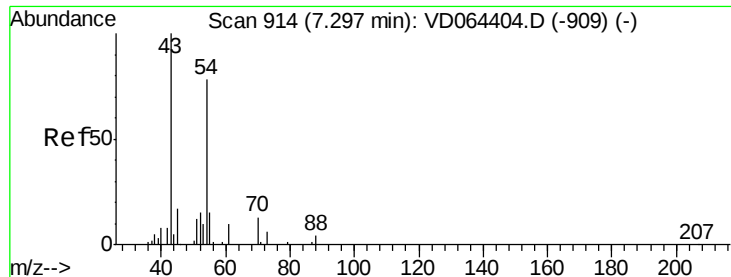
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#36
 1,1-Dichloropropene
 Concen: 20.943 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064562.D
 Acq: 23 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.9	18.6	55.8
77	32.6	25.0	37.4





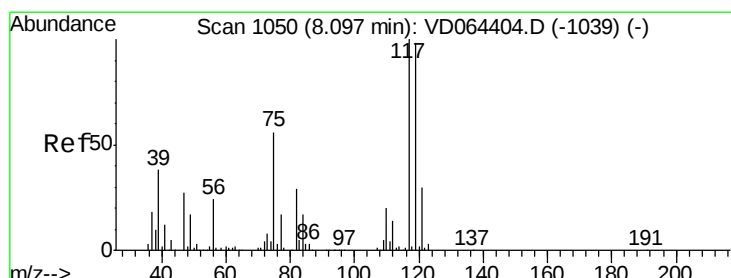
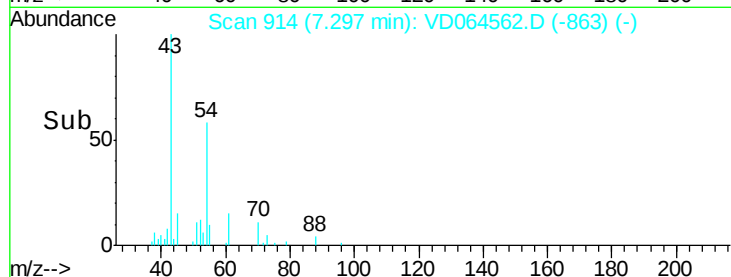
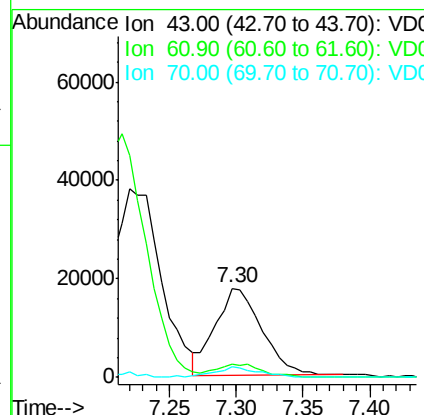
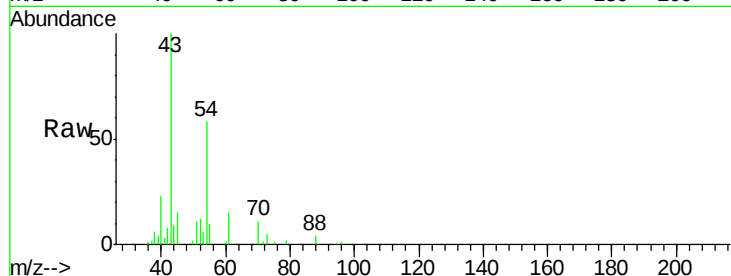
#37
Ethyl Acetate
Concen: 18.609 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	10.9	16.3
70	11.4	8.3	12.5

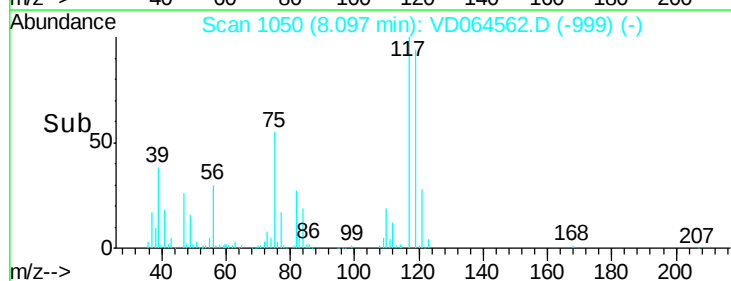
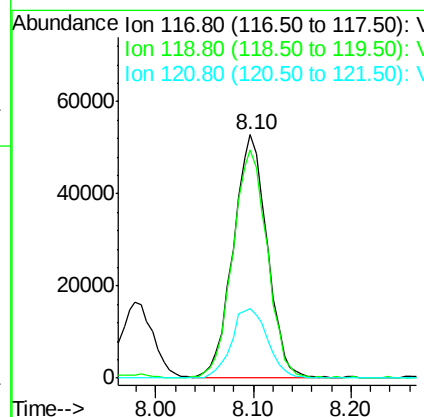
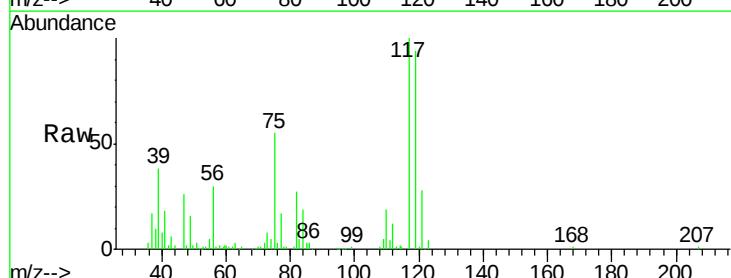
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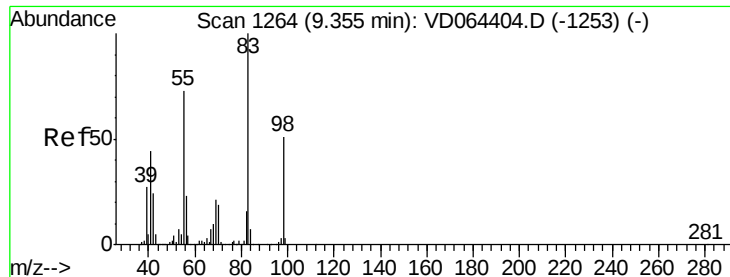
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#38
Carbon Tetrachloride
Concen: 22.130 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	78.8	118.2
121	28.4	24.2	36.2





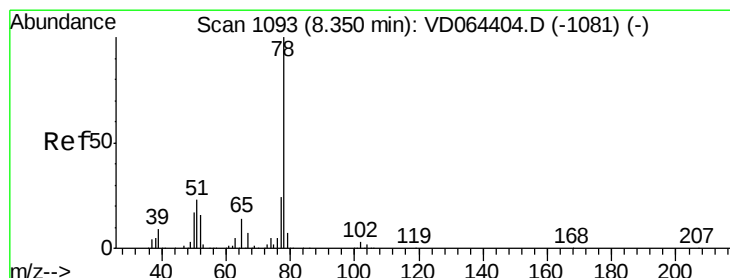
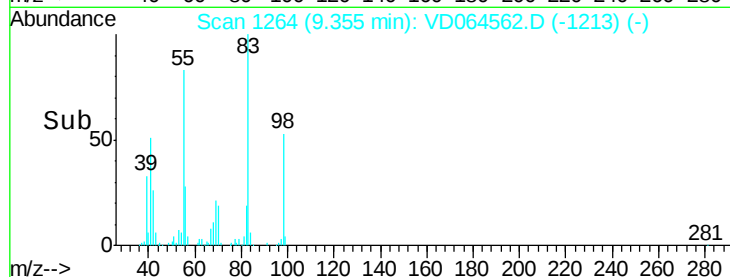
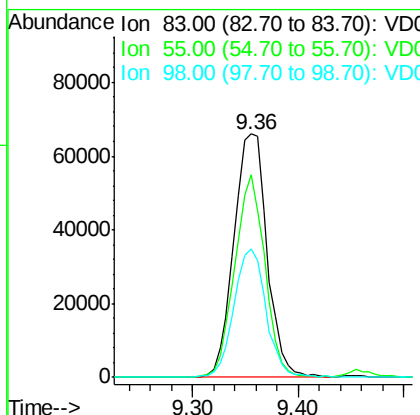
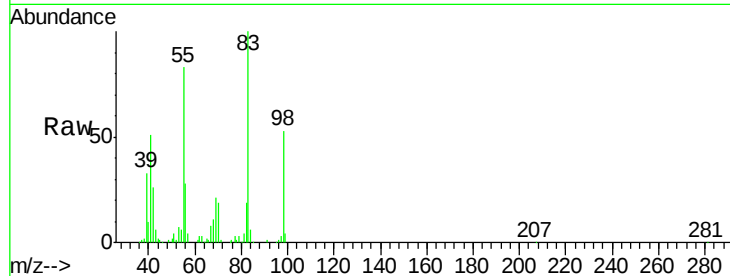
#39
Methvlcvclohexane
Concen: 21.220 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.1	58.6	87.8
98	52.8	40.9	61.3

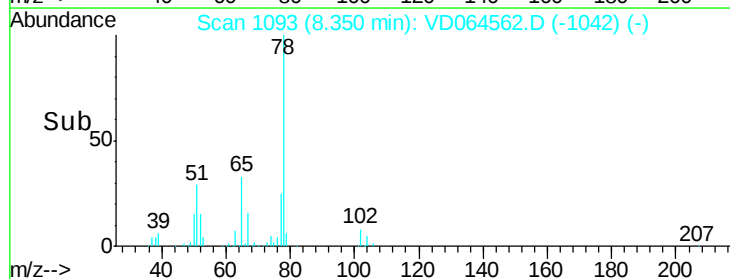
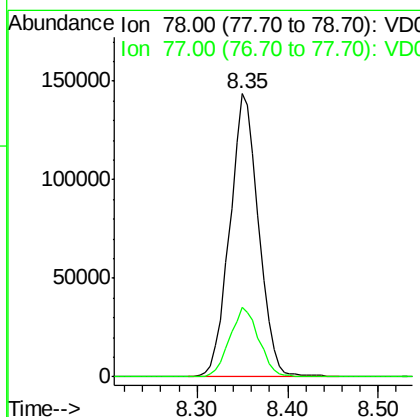
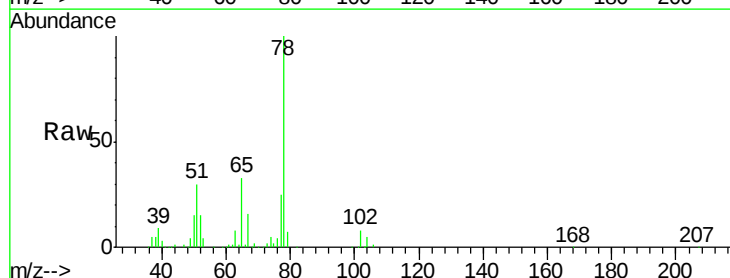
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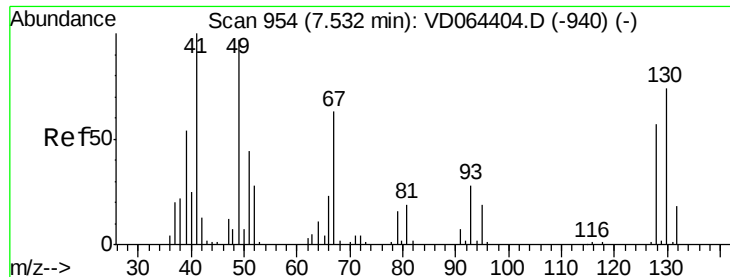
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#40
Benzene
Concen: 20.876 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.6	29.4





#41

Methacrylonitrile

Concen: 22.708 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

Tot Ion: 41 Resp: 30235

Ion Ratio Lower Upper

41 100

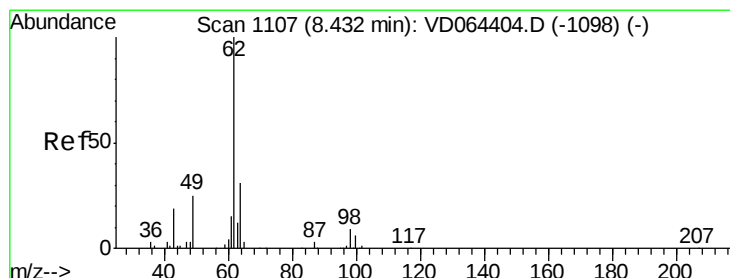
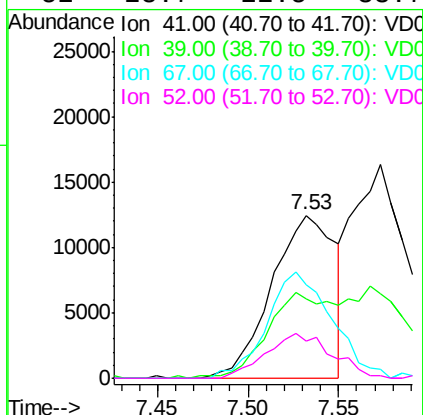
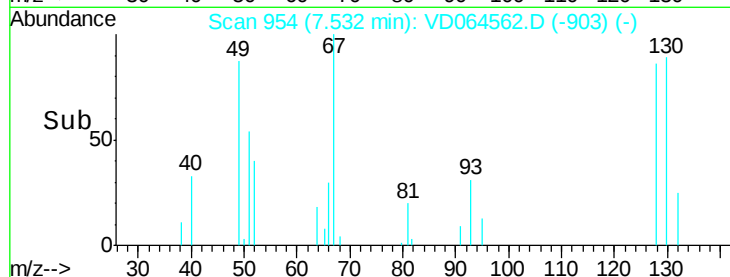
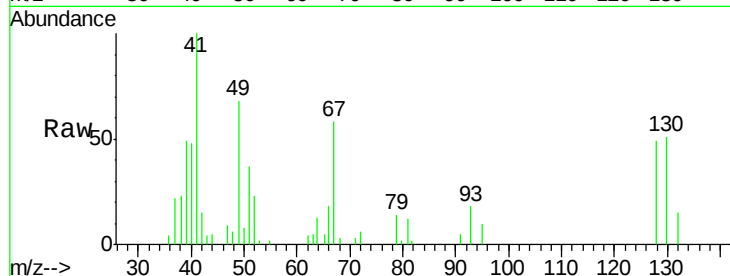
39 55.5 44.6 67.0

67 67.6 50.9 76.3

52 28.7 22.5 33.7

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#42

1,2-Dichloroethane

Concen: 21.673 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064562.D

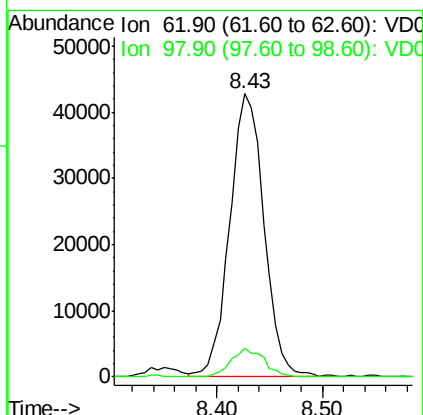
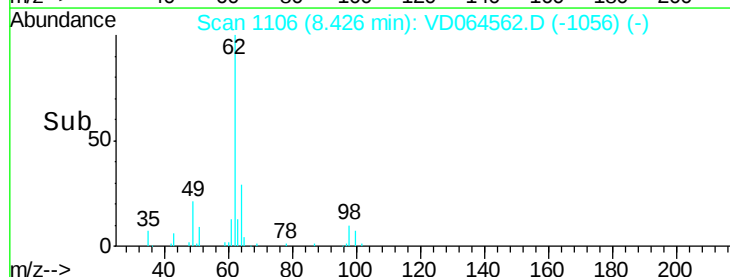
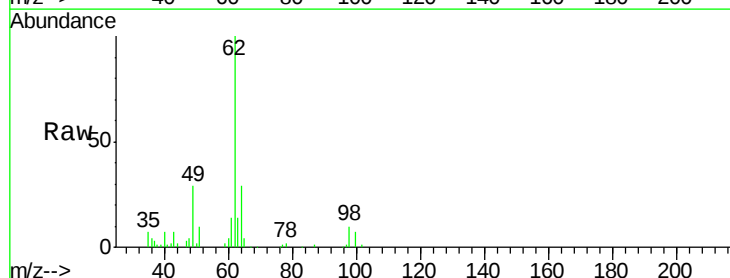
Acq: 23 Dec 2019 12:14

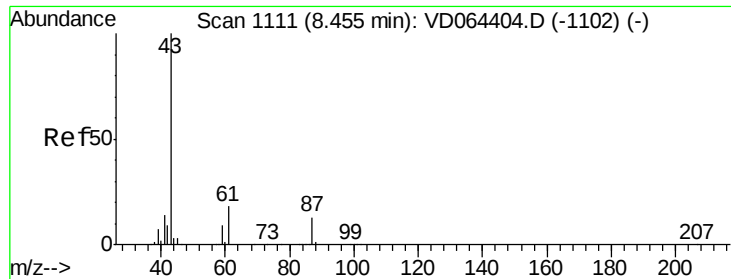
Tgt Ion: 62 Resp: 96048

Ion Ratio Lower Upper

62 100

98 9.6 0.0 20.6





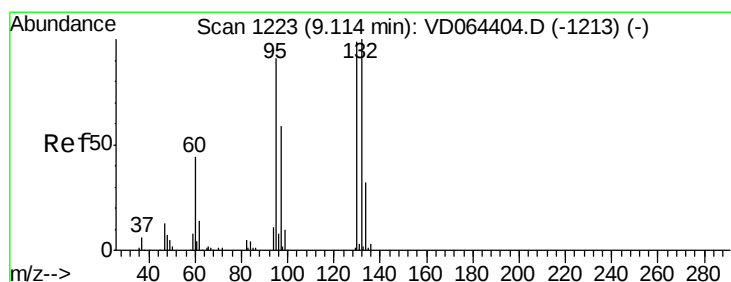
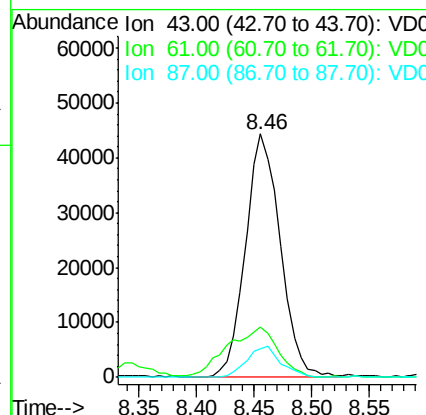
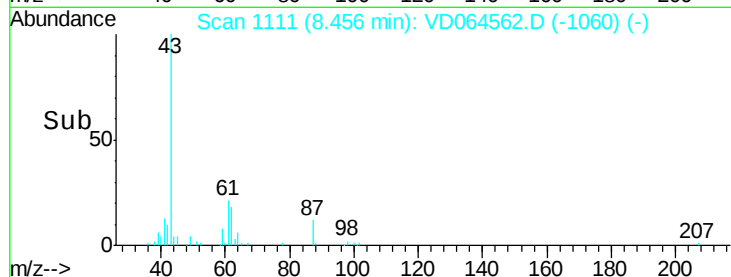
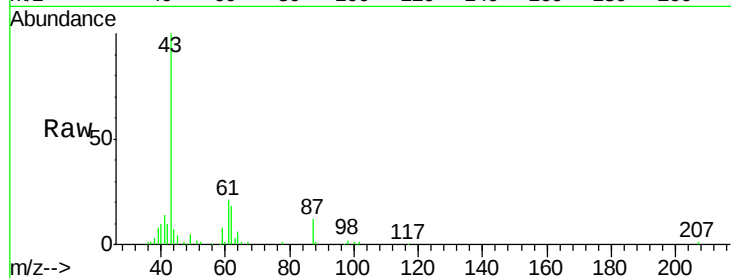
#43
Isopropyl Acetate
Concen: 20.522 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.9	24.0	36.0
87	12.5	10.6	15.8

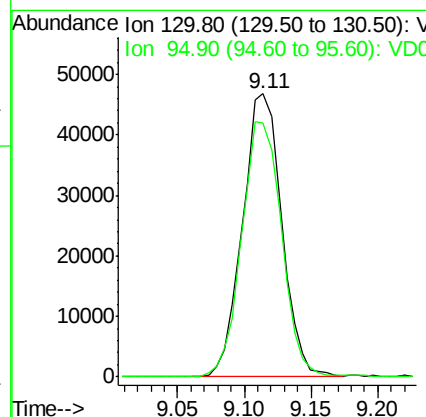
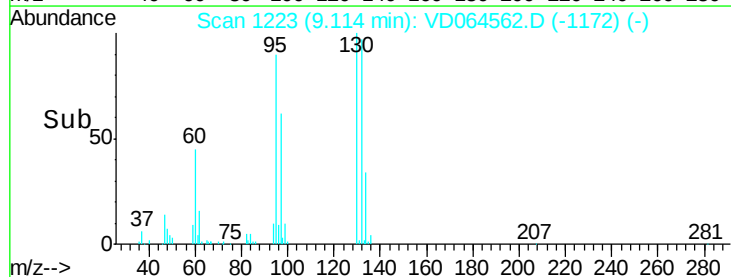
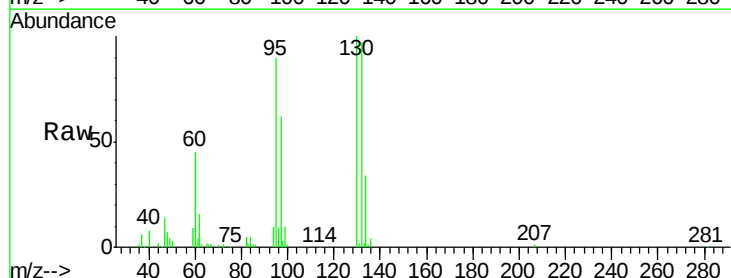
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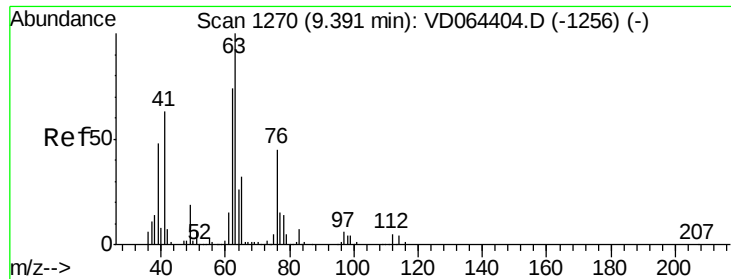
apatel
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#44
Trichloroethene
Concen: 20.809 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.8	0.0	184.6





#45

1,2-Dichloropropane

Concen: 21.541 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBSD01

Tot Ion: 63 Resp: 78291

Ion Ratio Lower Upper

63 100

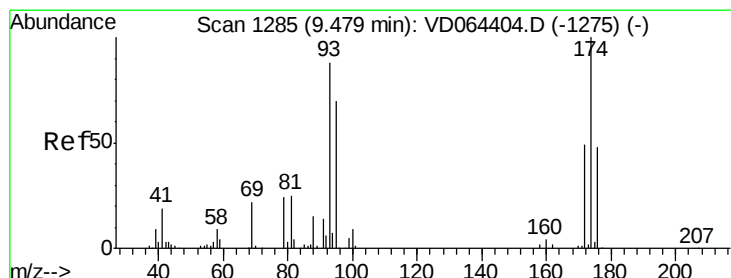
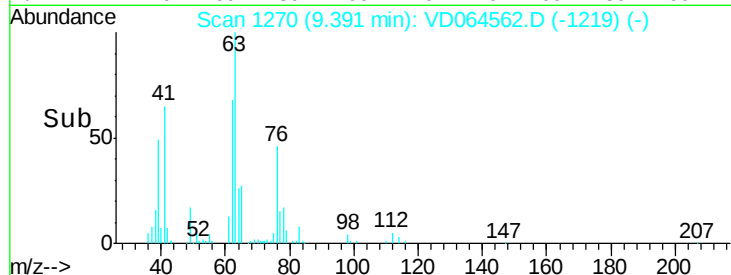
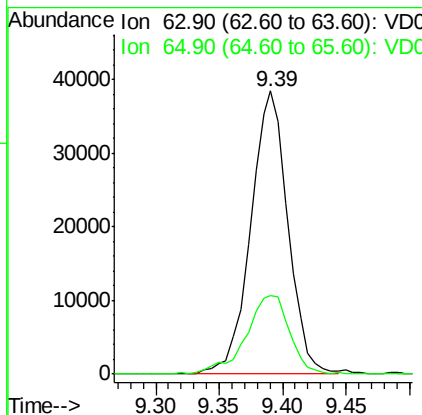
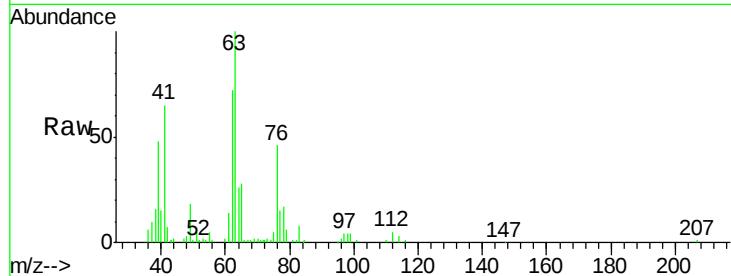
65 27.8 25.4 38.0

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#46

Dibromomethane

Concen: 20.651 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

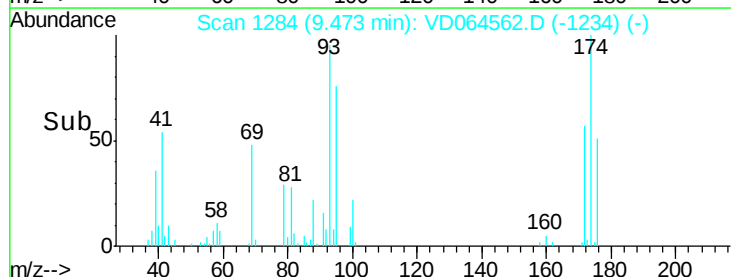
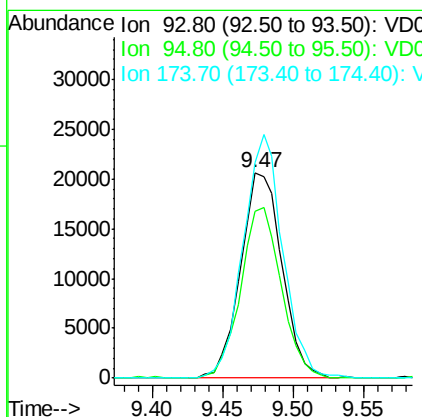
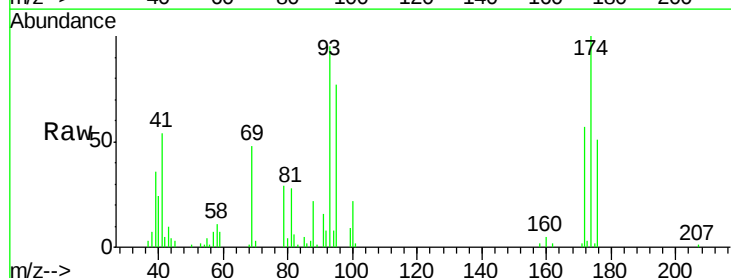
Tgt Ion: 93 Resp: 42361

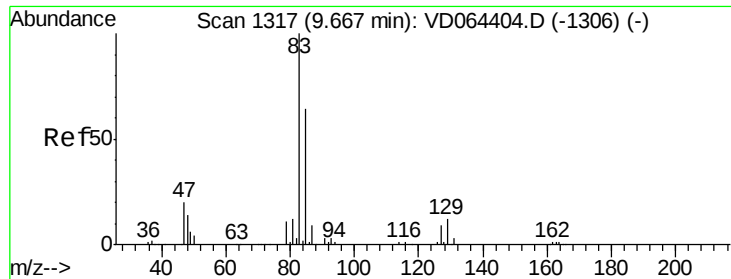
Ion Ratio Lower Upper

93 100

95 81.5 66.7 100.1

174 113.7 92.3 138.5





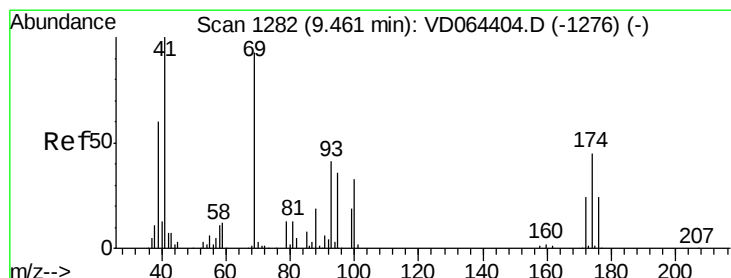
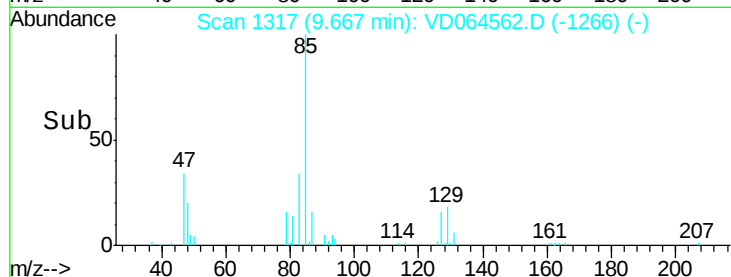
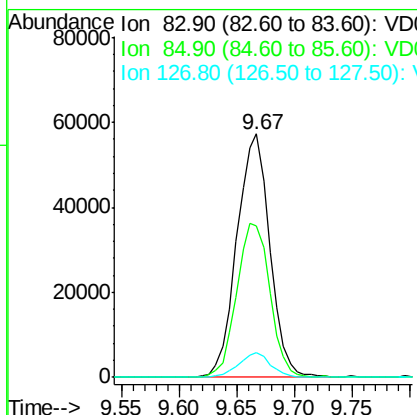
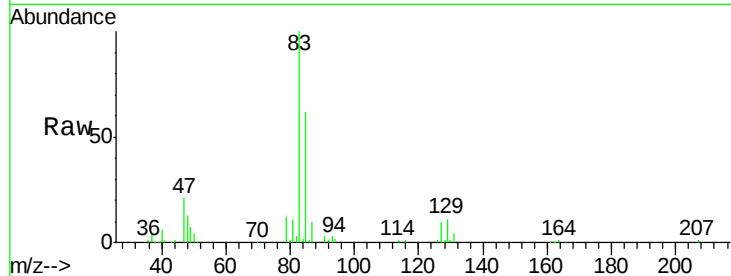
#47
Bromodichloromethane
Concen: 21.483 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBSD01

Tot Ion	83	Resp	113232
Ion Ratio	100	Lower	Upper
83	100		
85	62.3	51.1	76.7
127	10.0	7.4	11.0

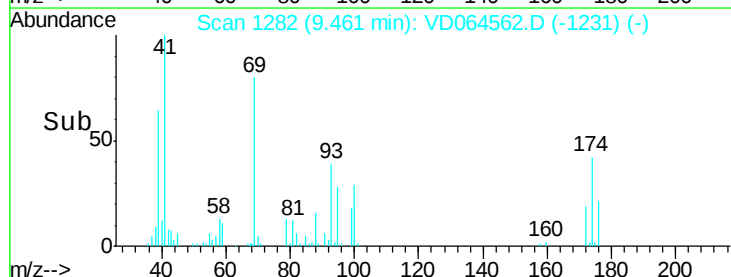
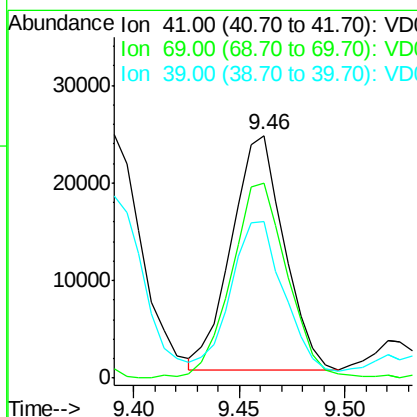
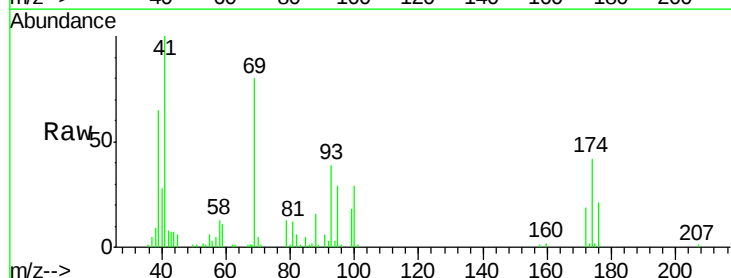
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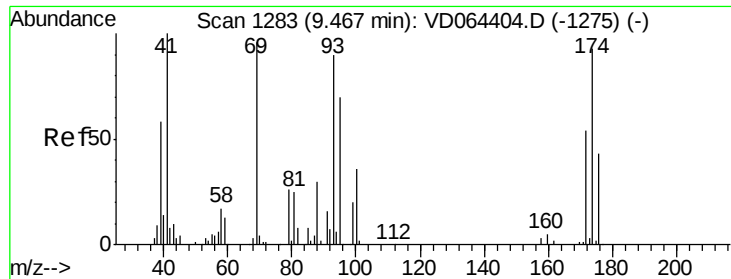
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#48
Methyl methacrylate
Concen: 19.829 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Tgt Ion	41	Resp	41420
Ion Ratio	100	Lower	Upper
41	100		
69	89.3	72.0	108.0
39	64.1	55.2	82.8





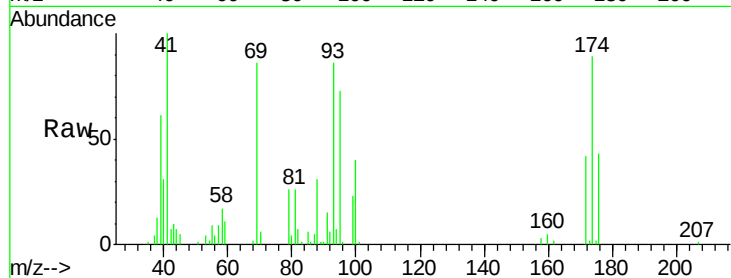
#49
1,4-Dioxane
Concen: 379.350 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

Tot Ion	88	Resp	9609
Ion	Ratio	Lower	Upper
88	100		
43	43.8	26.7	40.1#
58	69.6	52.3	78.5

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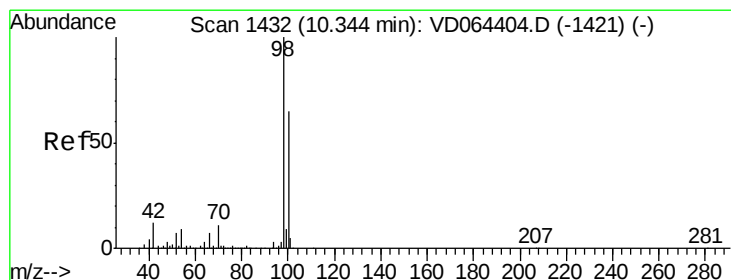
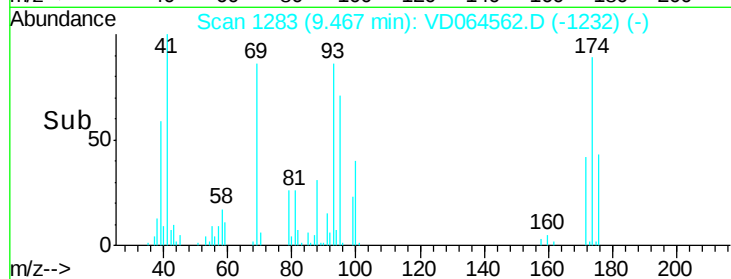
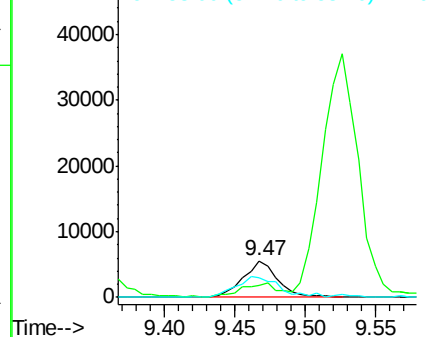


Abundance

Ion 88.00 (87.70 to 88.70): VDC

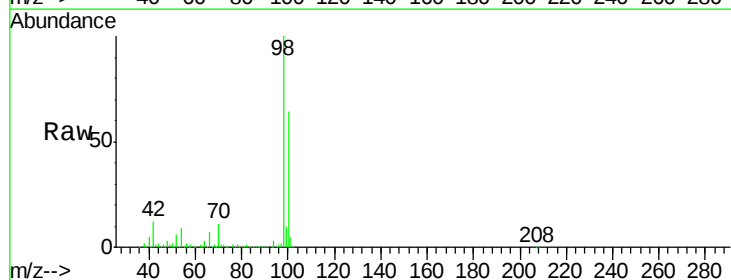
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 51.073 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

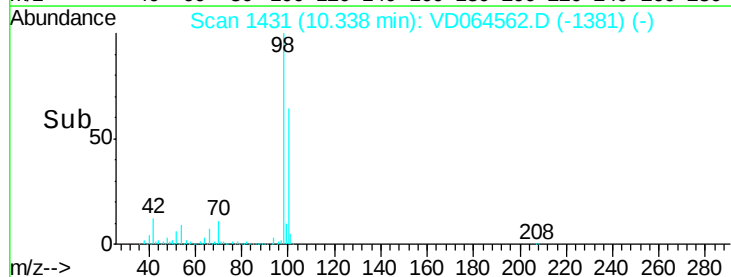
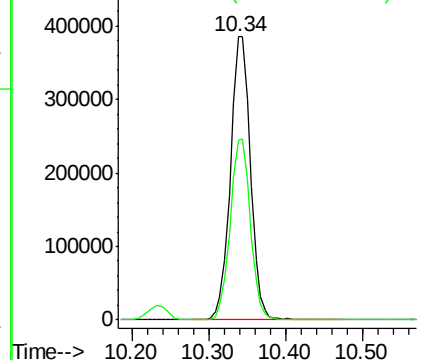
Tgt Ion	98	Resp	701190
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.6	79.0

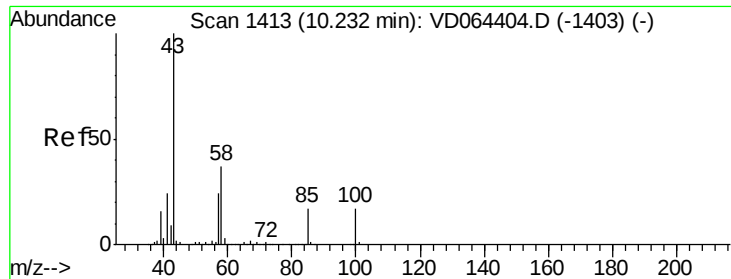


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 99.399 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleID :

VD1223SBS01

Tot Ion: 43 Resp: 224510

Ion Ratio Lower Upper

43 100

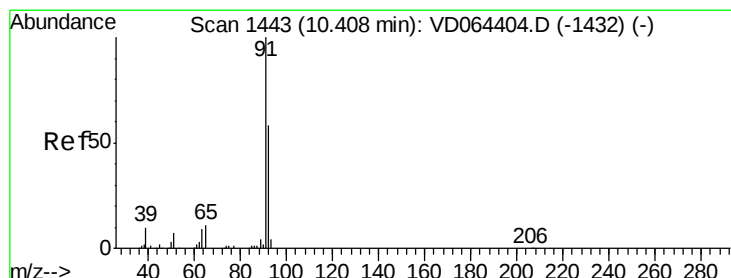
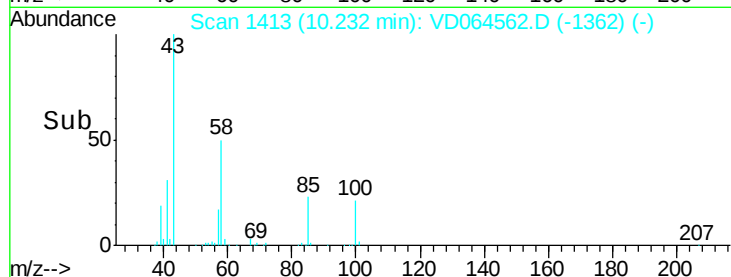
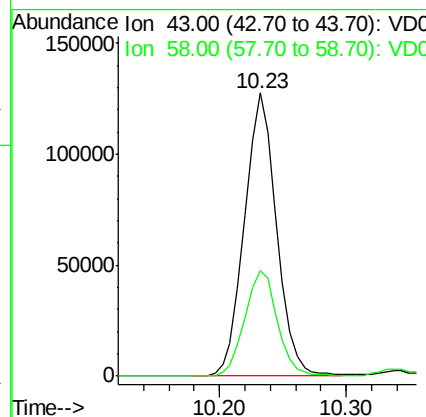
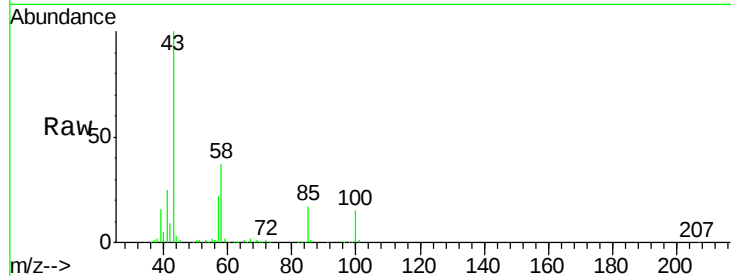
58 38.0 30.6 46.0

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#52

Toluene

Concen: 21.371 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064562.D

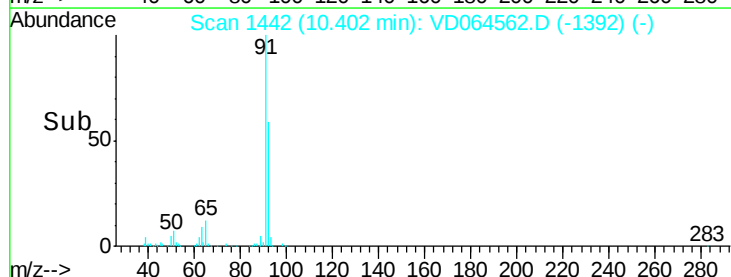
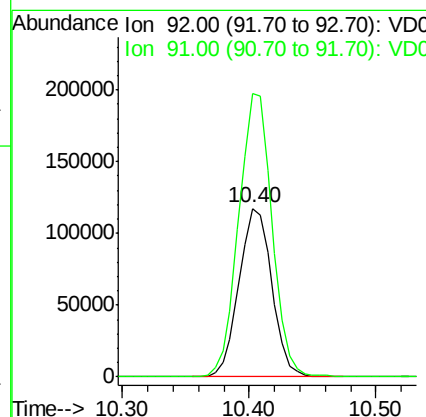
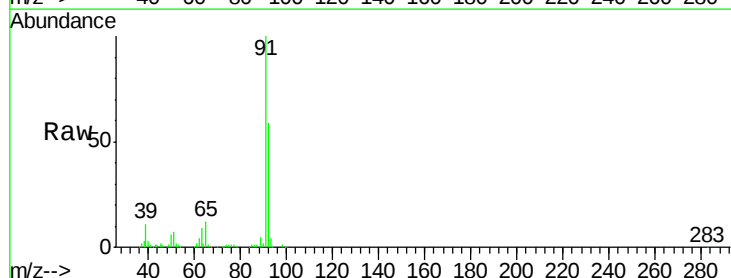
Acq: 23 Dec 2019 12:14

Tgt Ion: 92 Resp: 211660

Ion Ratio Lower Upper

92 100

91 169.9 137.8 206.6





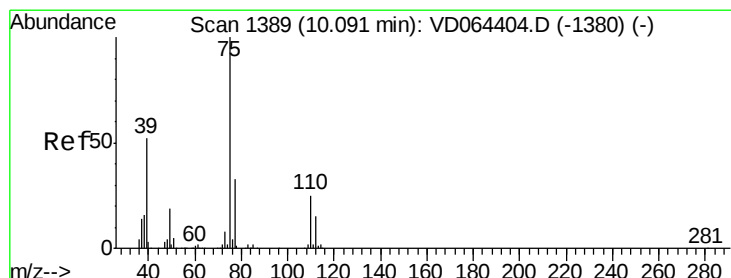
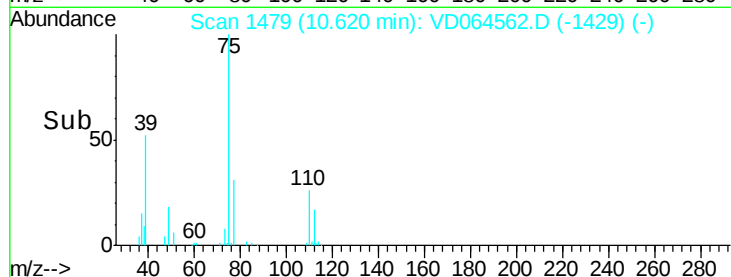
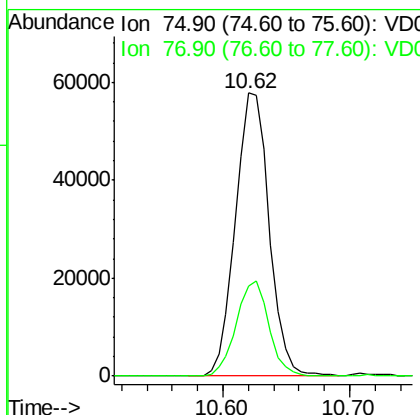
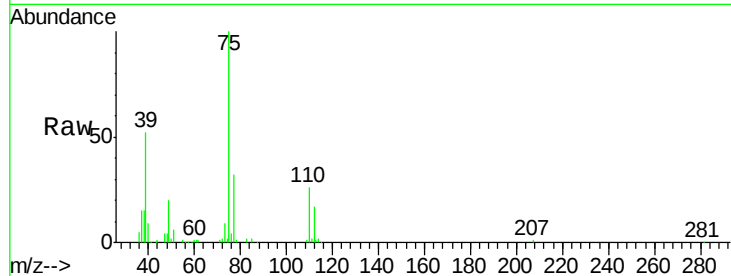
#53
t-1,3-Dichloropropene
Concen: 21.243 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.0	37.4

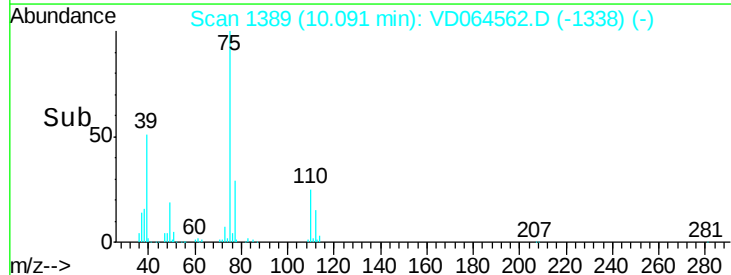
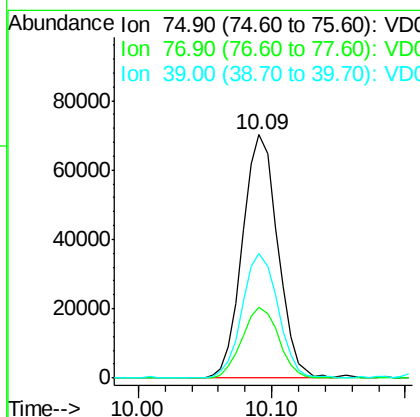
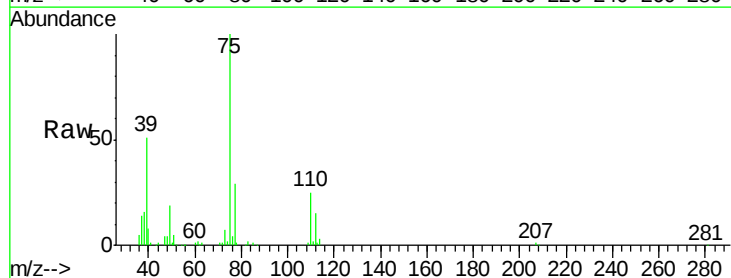
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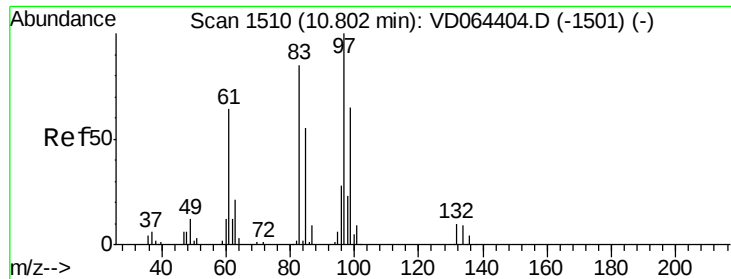
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#54
cis-1,3-Dichloropropene
Concen: 21.509 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	28.8	26.1	39.1
39	51.1	41.5	62.3





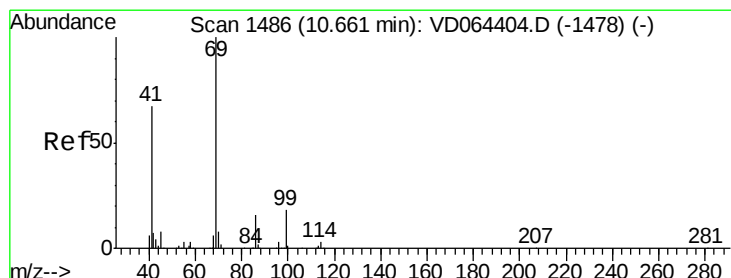
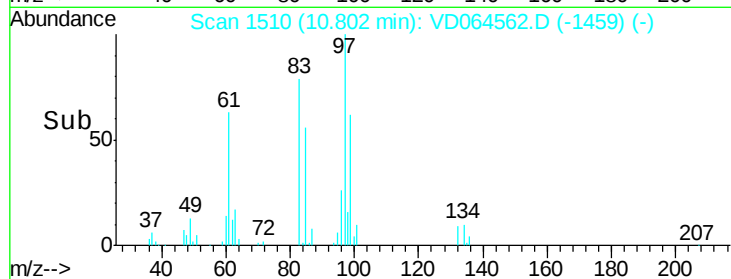
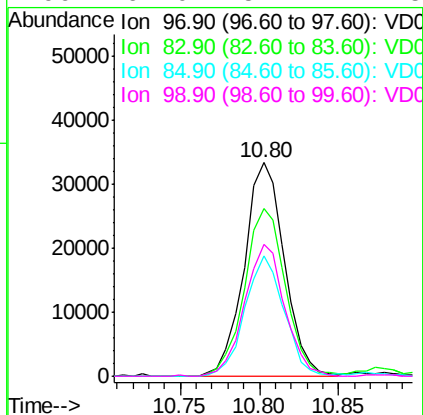
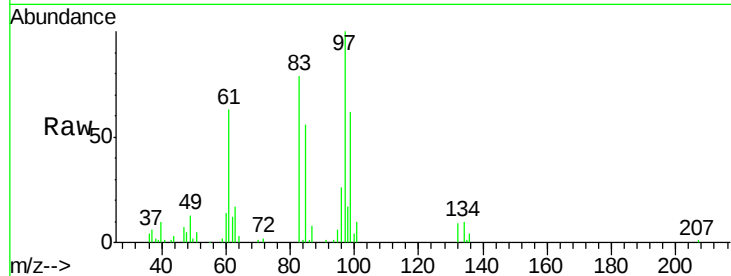
#55
 1,1,2-Trichloroethane
 Concen: 20.919 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064562.D
 Acq: 23 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	78.7	67.8	101.8
85	56.1	43.7	65.5
99	62.0	51.7	77.5

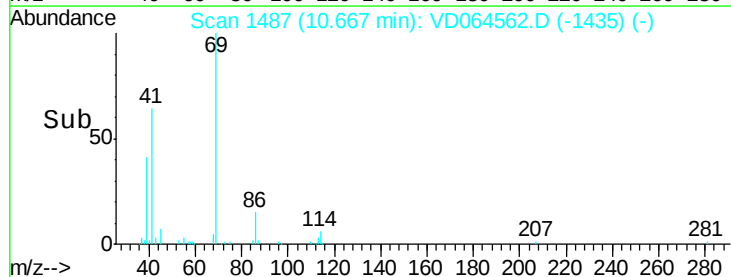
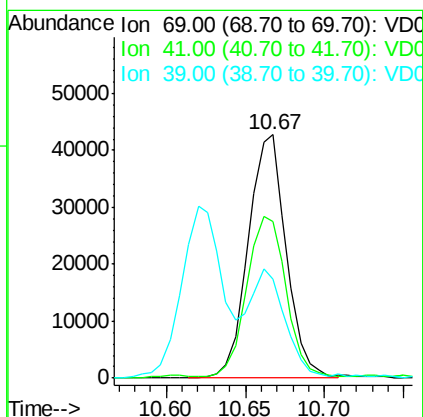
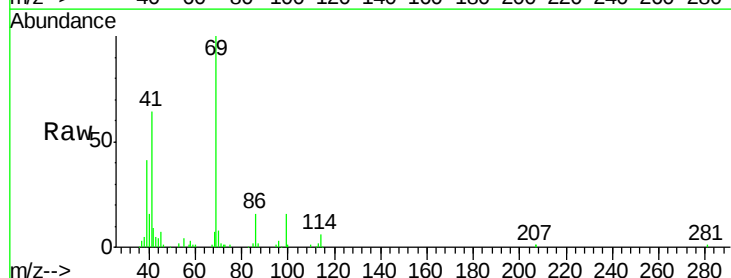
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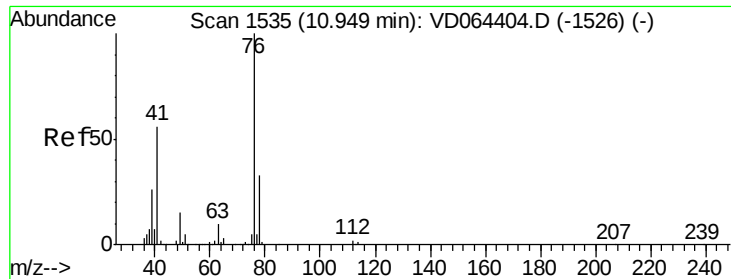
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#56
 Ethyl methacrylate
 Concen: 19.907 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064562.D
 Acq: 23 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.2	55.0	82.4
39	45.1	33.0	49.6





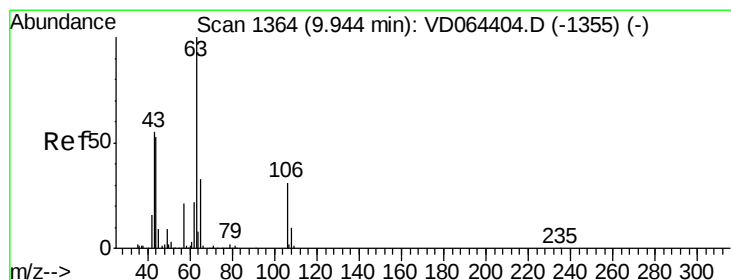
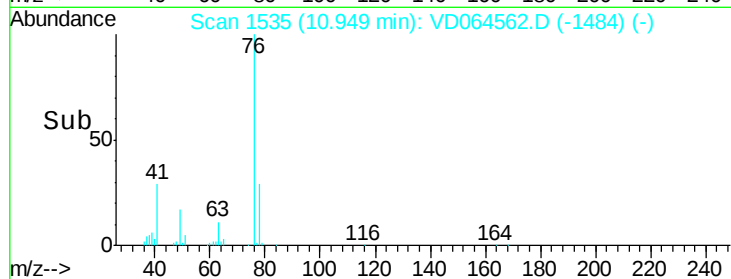
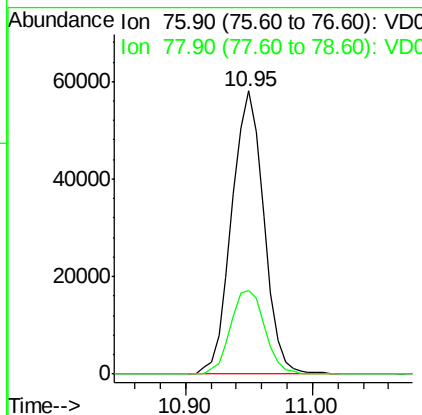
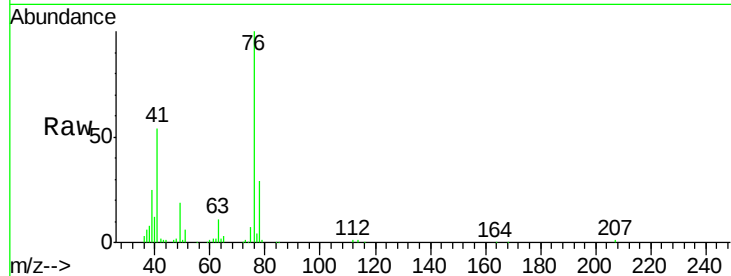
#57
 1,3-Dichloropropane
 Concen: 21.277 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064562.D
 Acq: 23 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	26.0	39.0

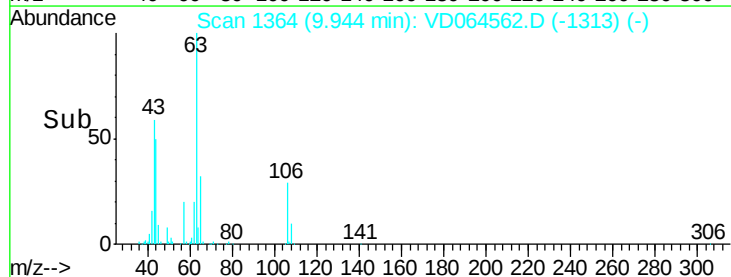
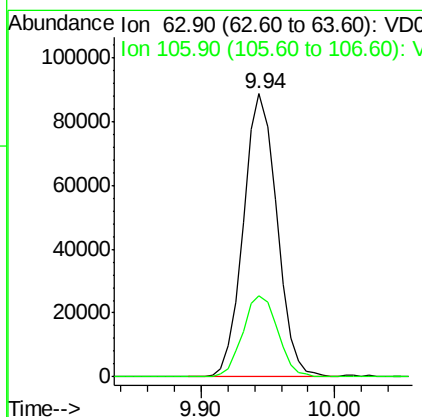
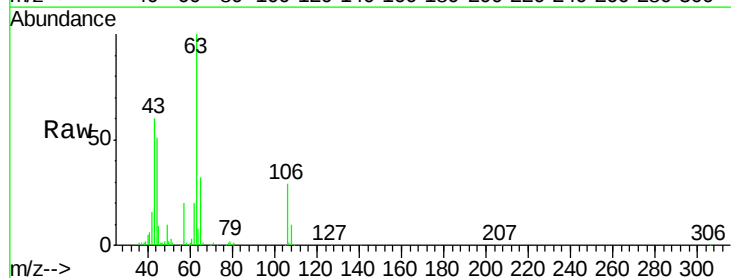
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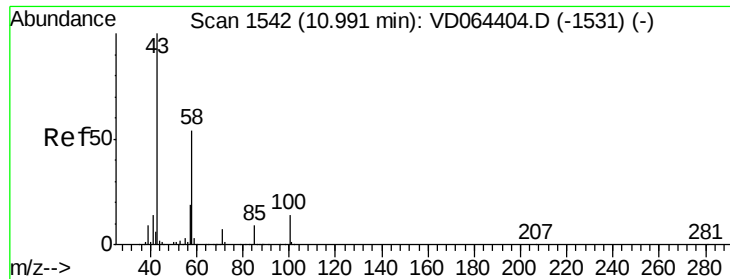
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#58
 2-Chloroethyl Vinyl ether
 Concen: 107.791 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064562.D
 Acq: 23 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.8	24.2	36.4





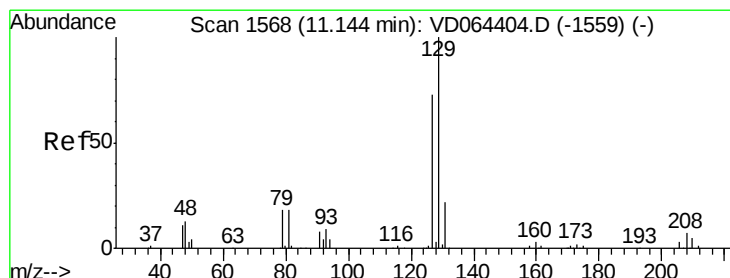
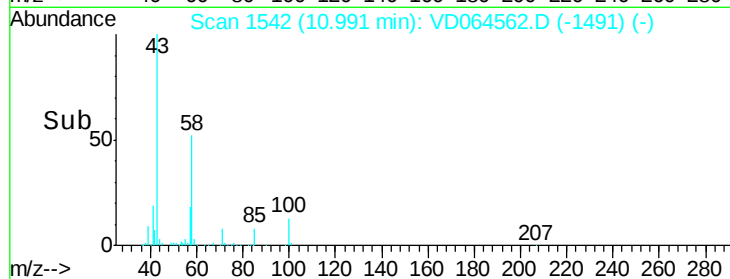
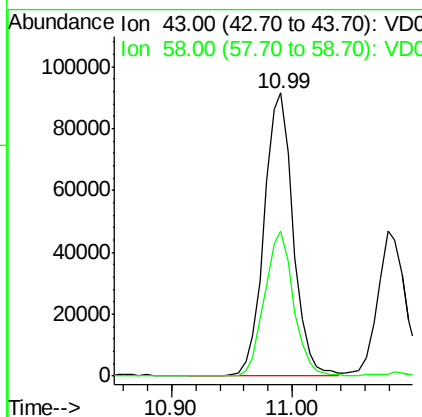
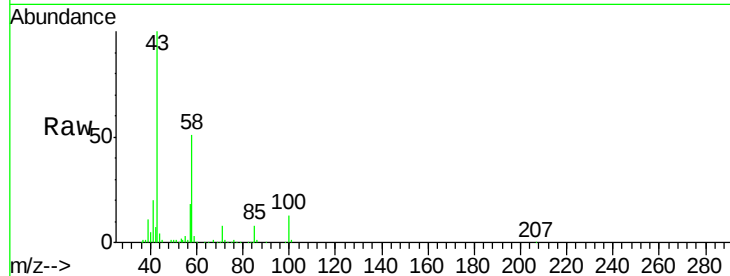
#59
2-Hexanone
Concen: 98.067 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBSD01

Tot Ion: 43 Resp: 153697
Ion Ratio Lower Upper
43 100
58 51.2 26.3 78.8

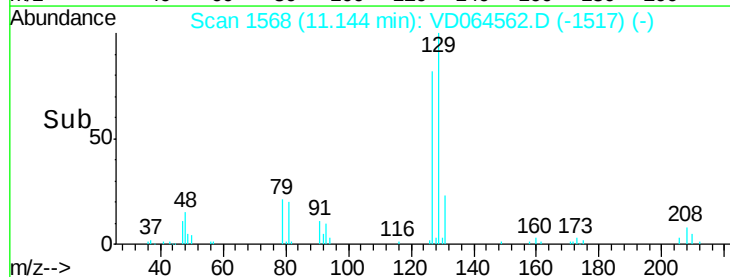
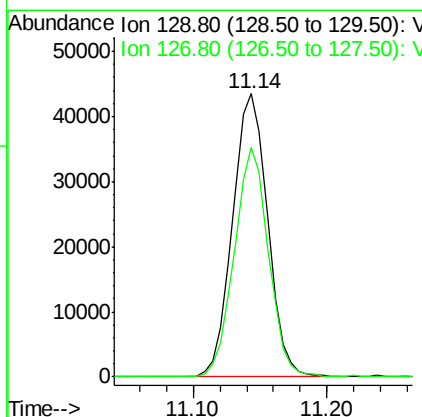
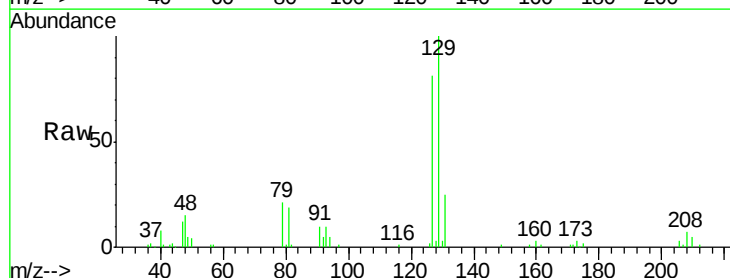
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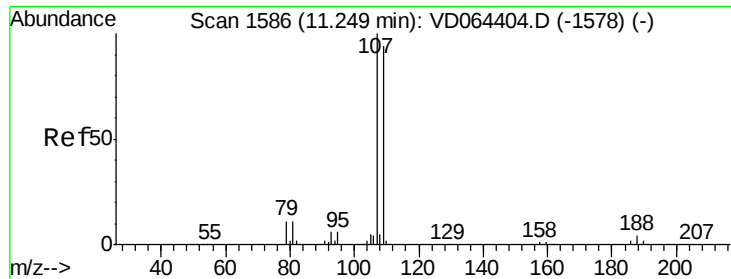
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#60
Dibromochloromethane
Concen: 20.826 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Tgt Ion: 129 Resp: 79310
Ion Ratio Lower Upper
129 100
127 78.7 38.1 114.3





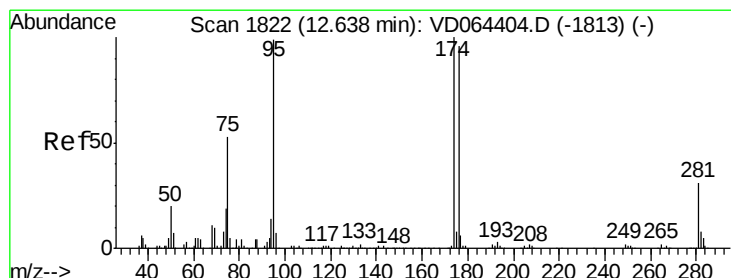
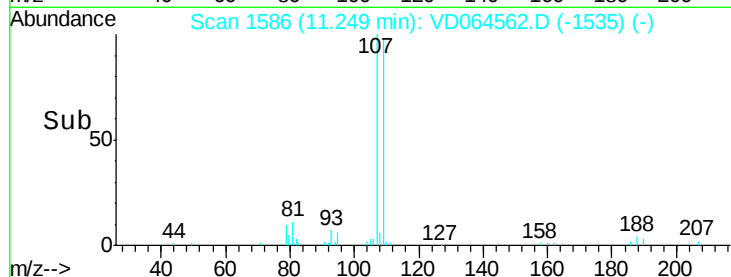
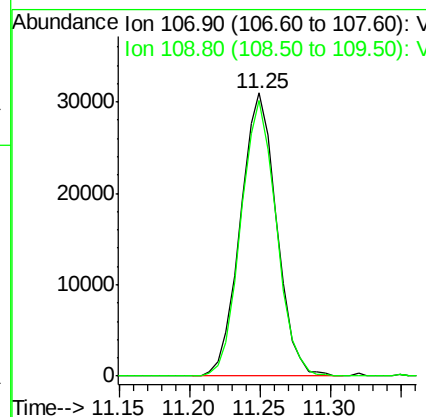
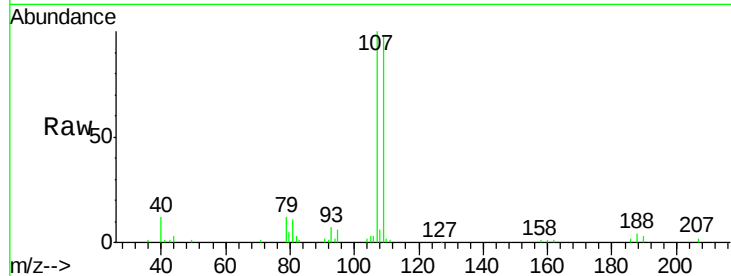
#61
 1,2-Dibromoethane
 Concen: 19.768 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064562.D
 Acq: 23 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBSD01

Tot Ion: 107 Resp: 55439
 Ion Ratio Lower Upper
 107 100
 109 95.5 76.2 114.2

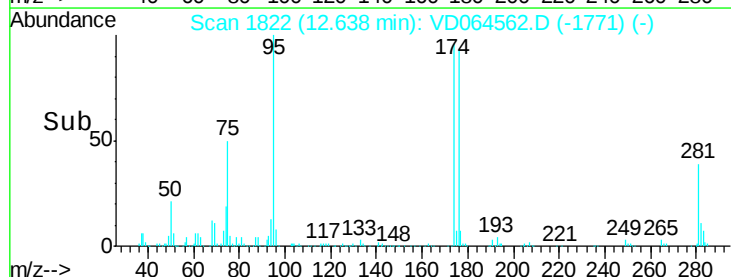
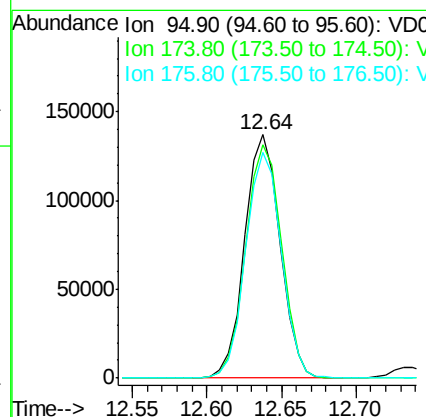
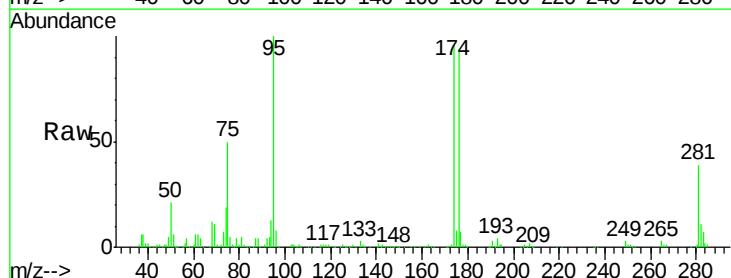
Manual Integrations
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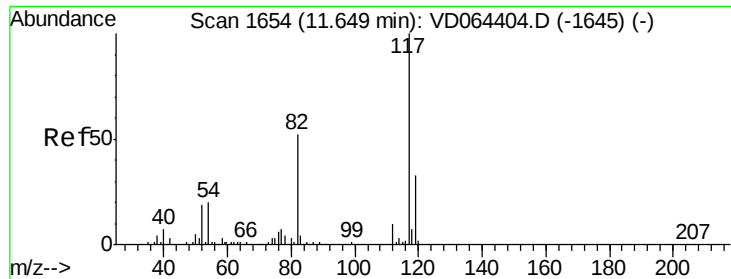
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#62
 4-Bromofluorobenzene
 Concen: 50.941 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064562.D
 Acq: 23 Dec 2019 12:14

Tgt Ion: 95 Resp: 224761
 Ion Ratio Lower Upper
 95 100
 174 97.4 0.0 197.2
 176 93.1 0.0 189.6





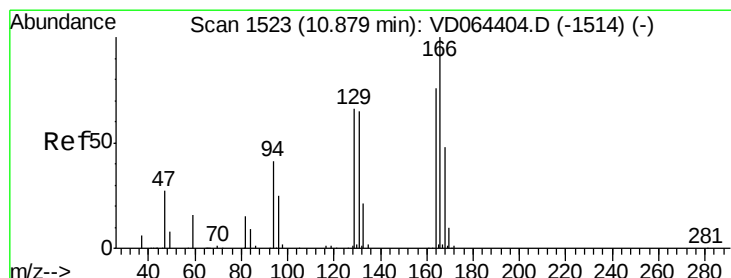
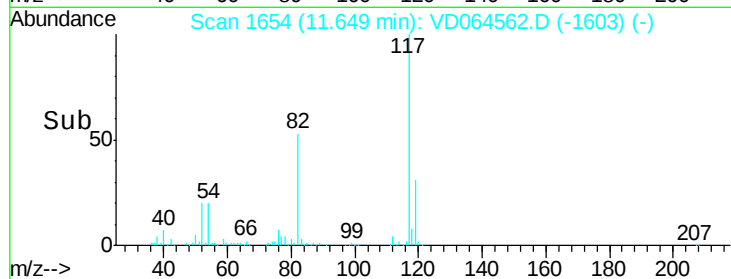
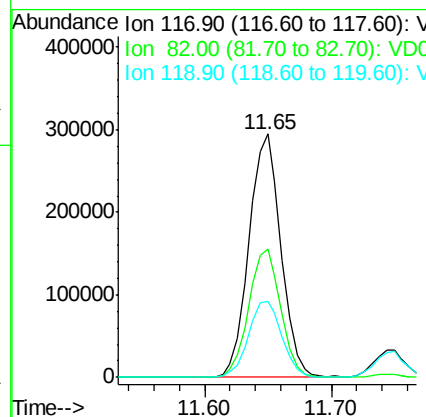
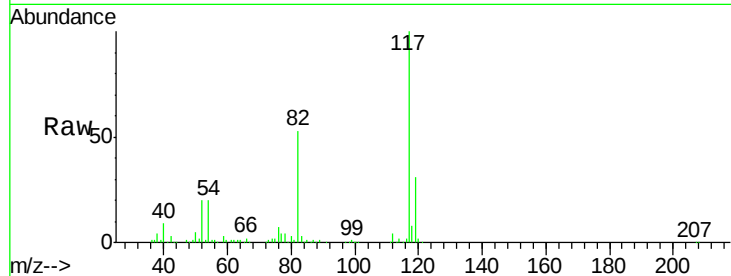
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	516445		
82	53.0		41.4	62.2
119	31.4		26.2	39.2

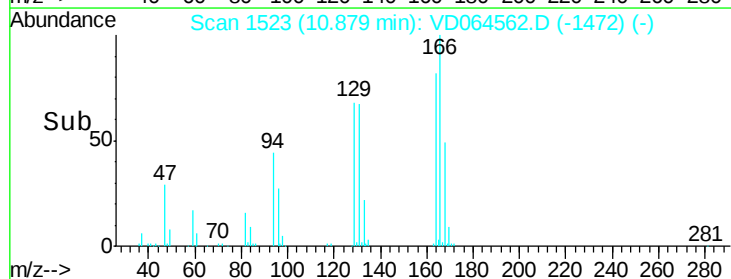
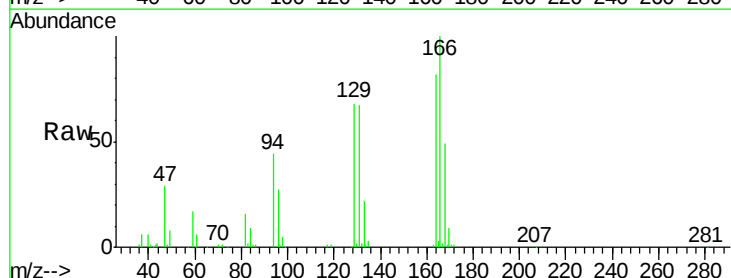
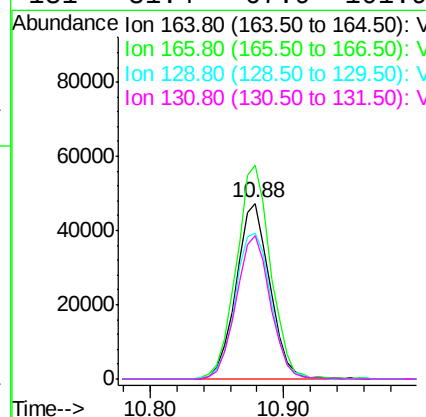
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#64
Tetrachloroethene
Concen: 21.015 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	82762		
166	121.4		104.8	157.2
129	83.1		68.7	103.1
131	81.4		67.9	101.9





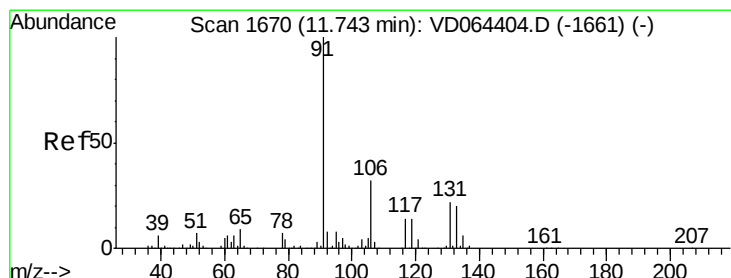
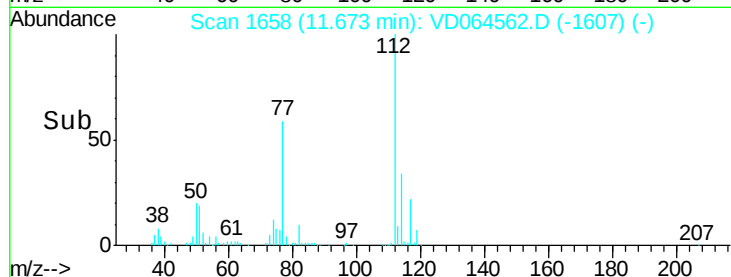
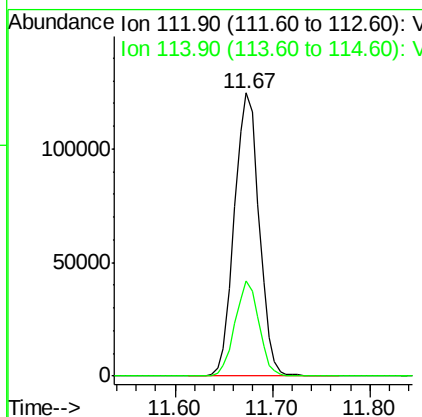
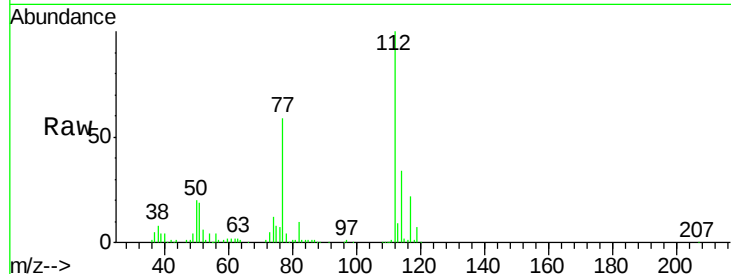
#65
Chlorobenzene
Concen: 20.509 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	220910		
114	33.8	26.5	39.7	

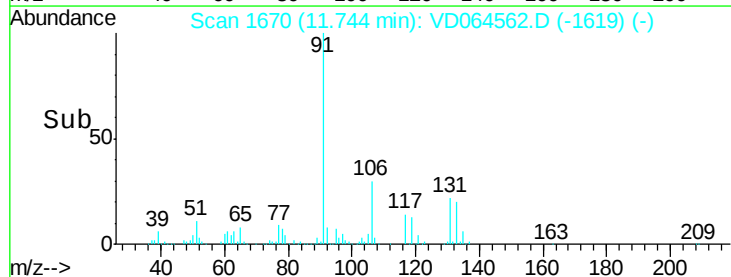
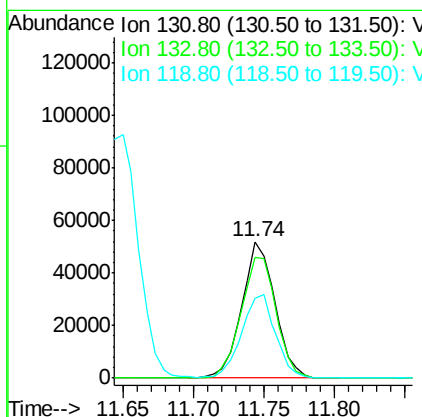
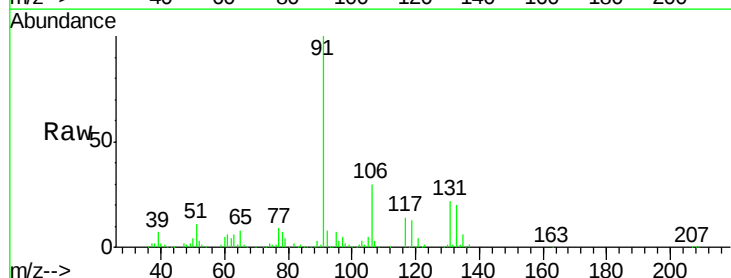
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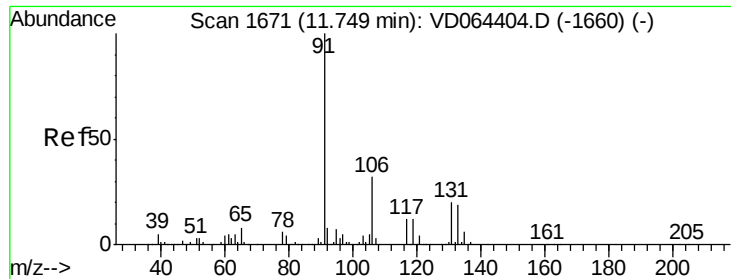
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.430 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	85451		
133	94.1	48.3	144.9	
119	62.9	31.9	95.9	





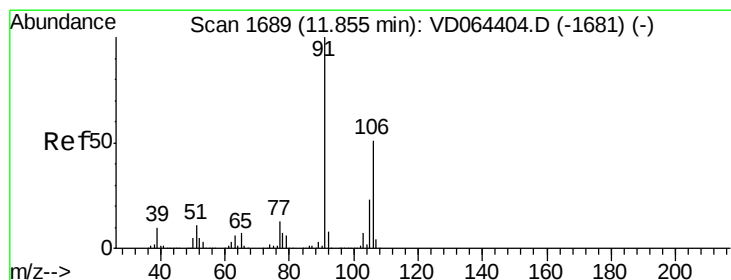
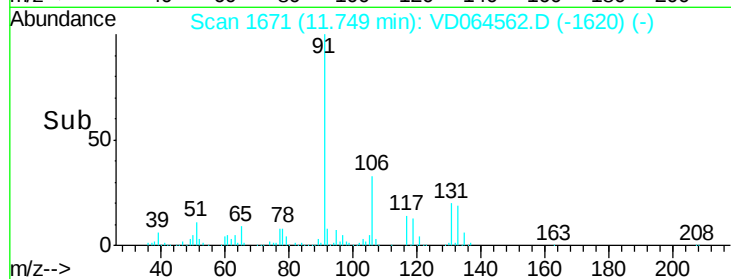
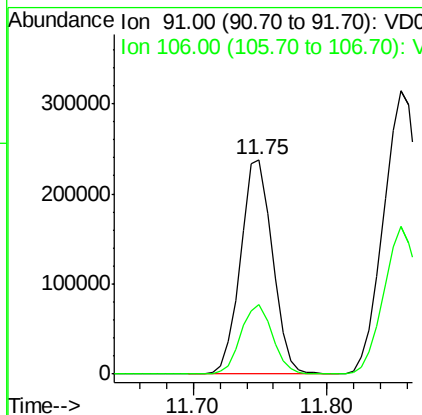
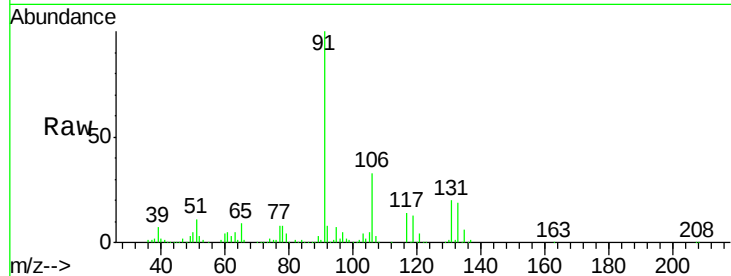
#67
Ethyl Benzene
Concen: 20.538 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

Tot Ion: 91 Resp: 393614
Ion Ratio Lower Upper
91 100
106 32.6 25.8 38.8

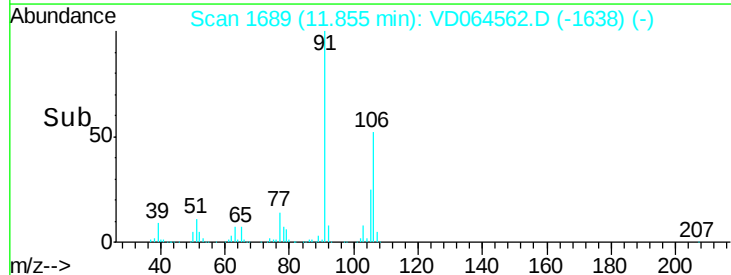
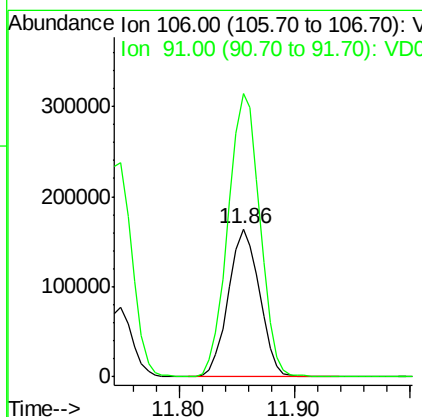
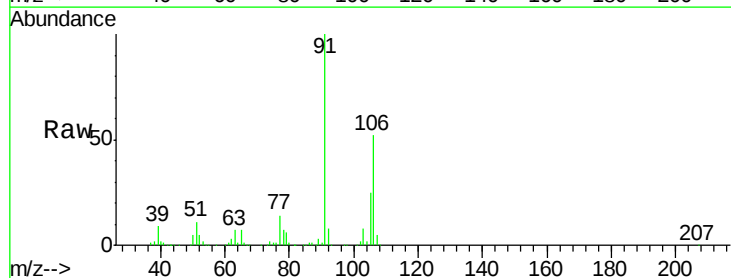
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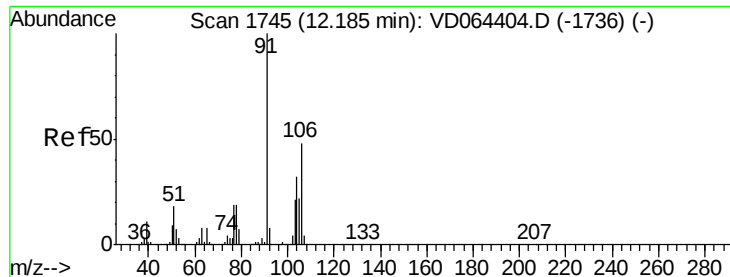
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#68
m/p-Xylenes
Concen: 42.220 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Tgt Ion: 106 Resp: 308513
Ion Ratio Lower Upper
106 100
91 194.6 157.4 236.2





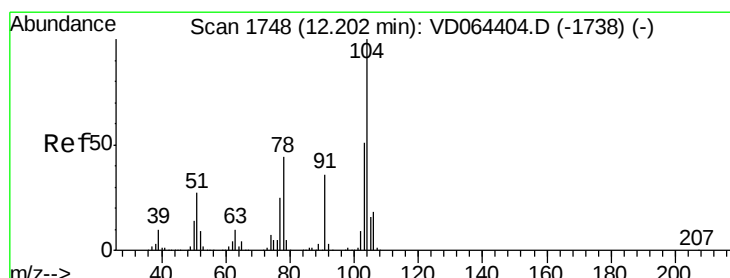
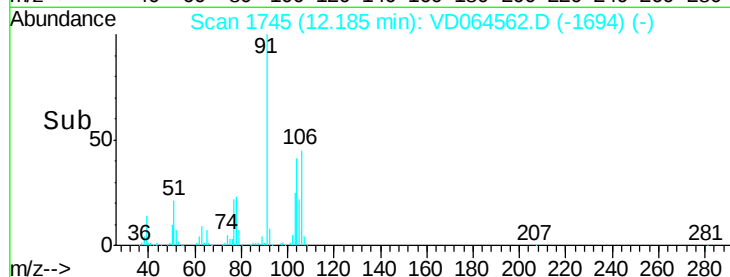
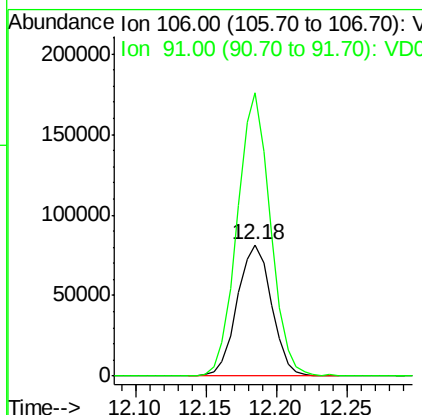
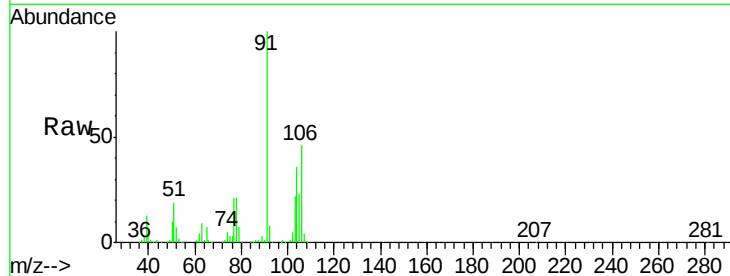
#69
o-Xylene
Concen: 20.537 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		138599		
91	208.8	103.8	311.4		

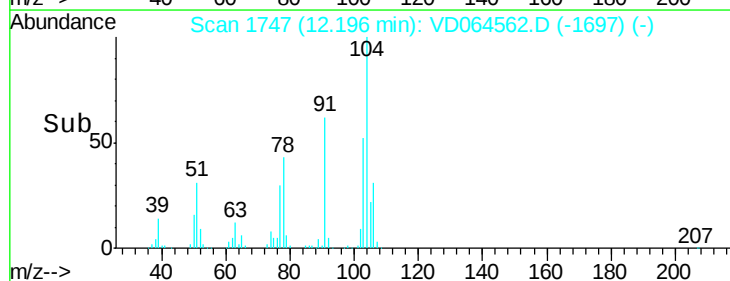
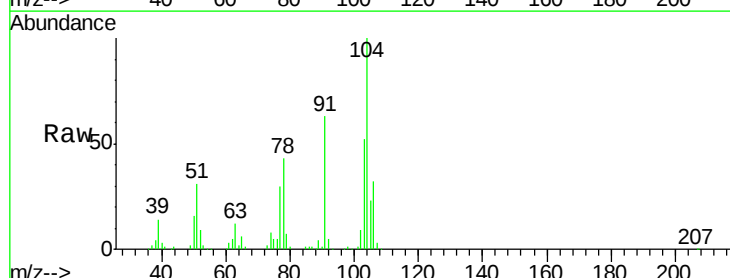
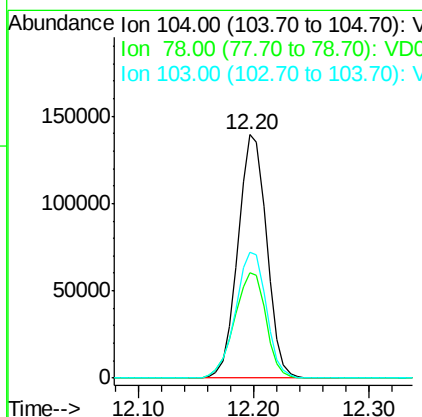
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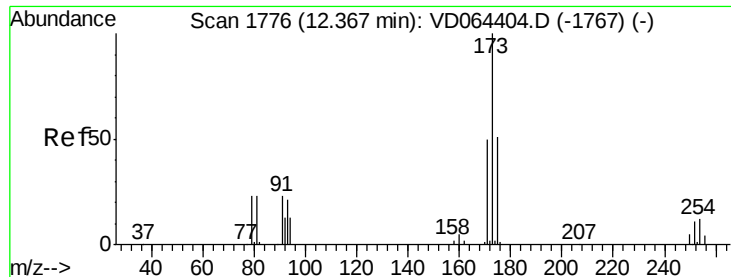
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#70
Styrene
Concen: 20.518 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		240623		
78	47.4	38.8	58.2		
103	55.5	44.2	66.4		





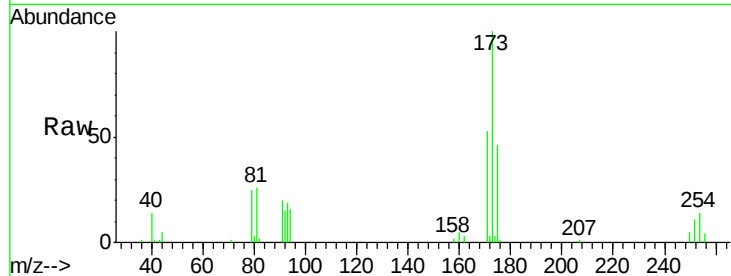
#71
Bromoform
Concen: 19.749 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBSD01

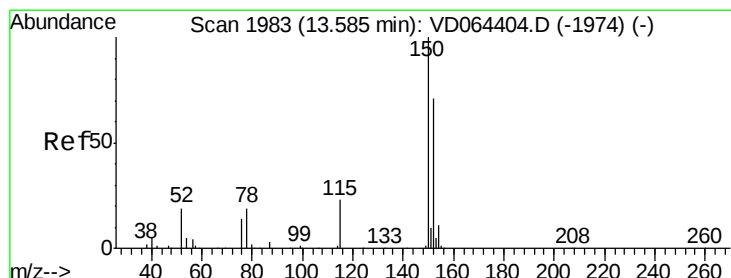
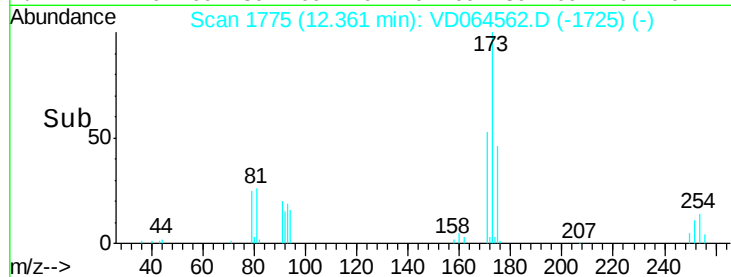
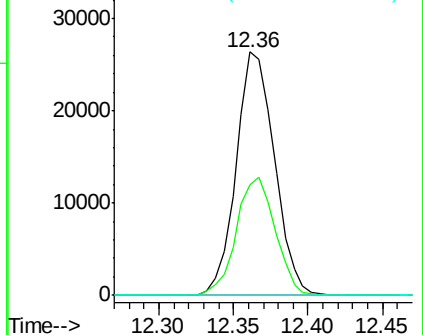
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	25.3	75.8
254	0.0	0.0	0.0

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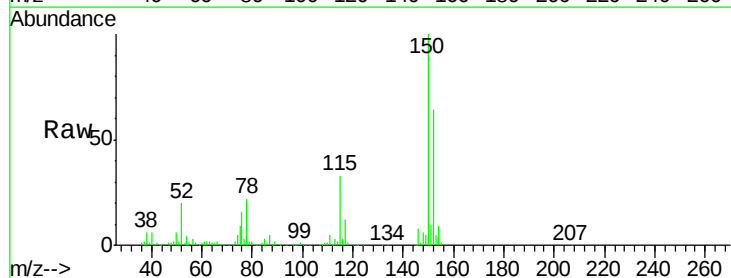


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

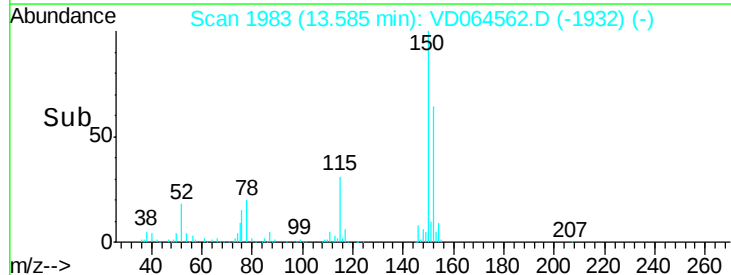
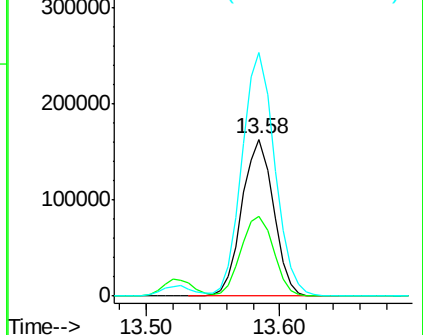


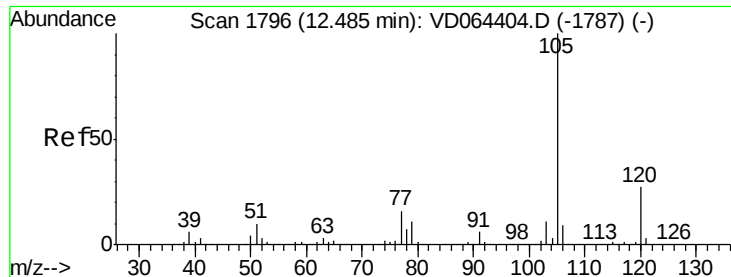
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.5	26.7	80.1
150	160.9	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: 19.952 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

Tot Ion: 105 Resp: 383211

Ion Ratio Lower Upper

105 100

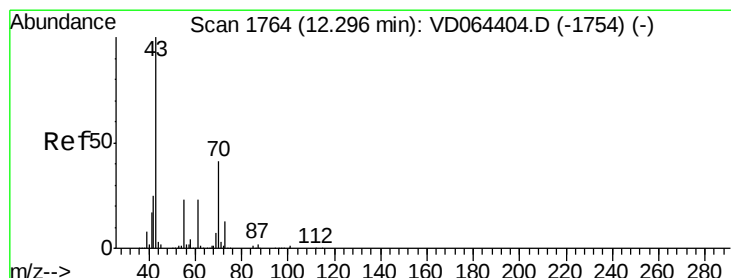
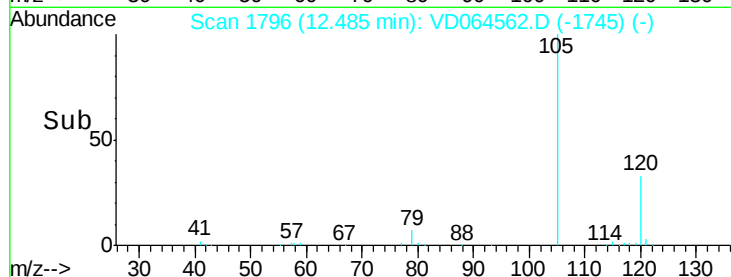
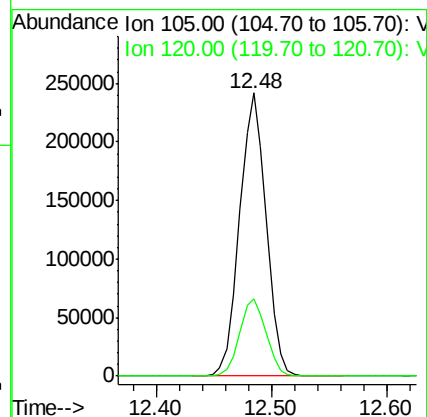
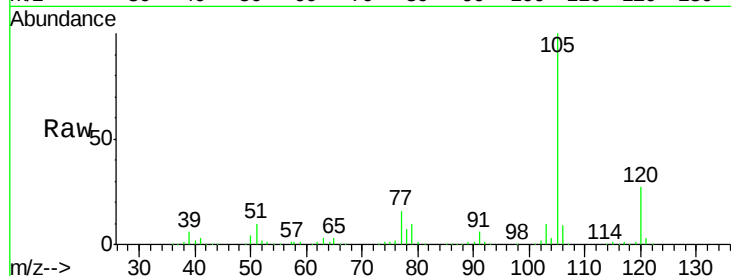
120 27.3 13.4 40.2

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#74

N-ethyl acetate

Concen: 19.506 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

Tgt Ion: 43 Resp: 85033

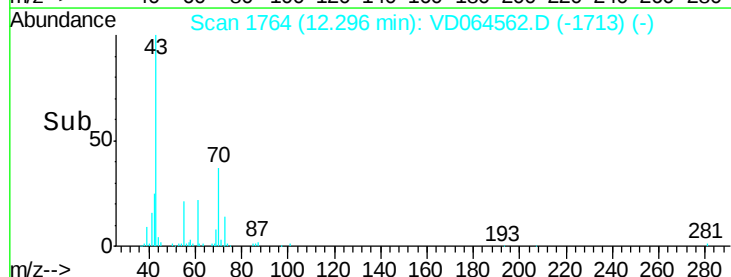
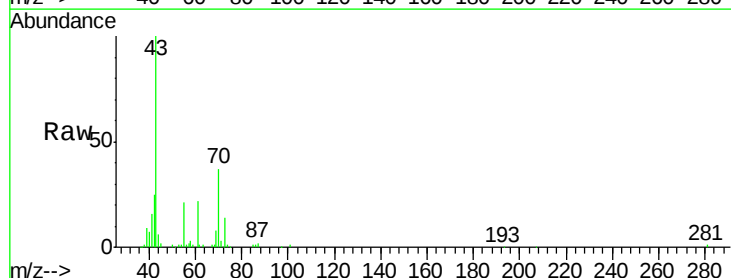
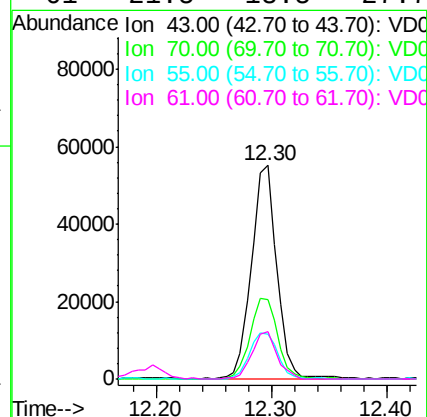
Ion Ratio Lower Upper

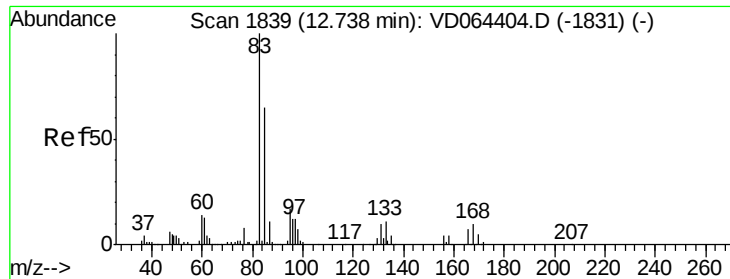
43 100

70 40.7 33.4 50.2

55 23.7 18.9 28.3

61 21.5 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 18.323 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

Instrument :

MSVOA_D

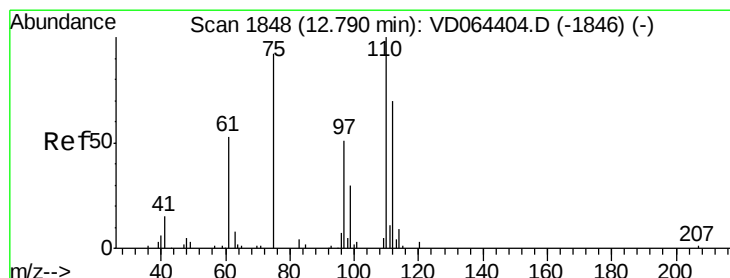
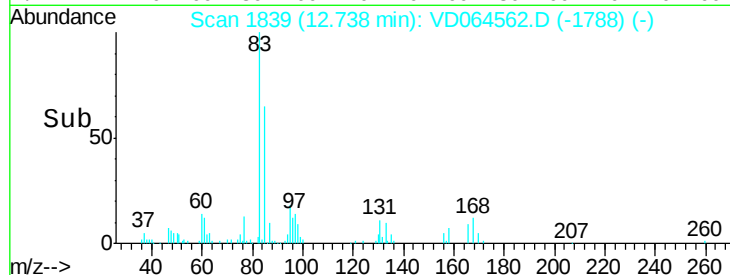
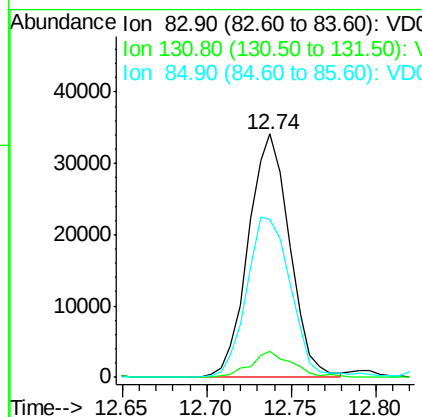
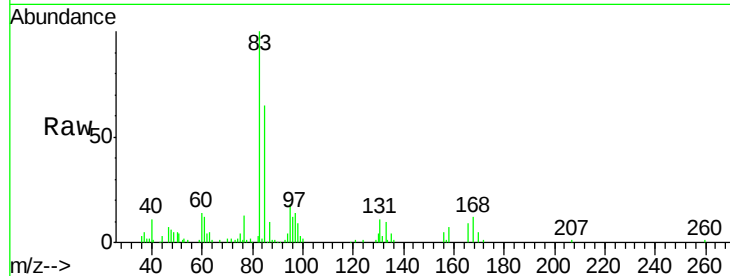
ClientSampleId :

VD1223SBSD01

Tot Ion:	83	Resp:	58197
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.7	17.0
85	69.9	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 17.095 ug/l m

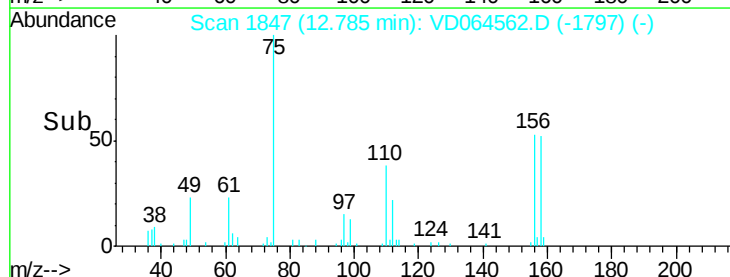
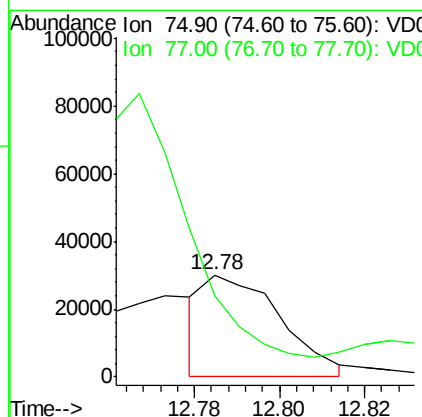
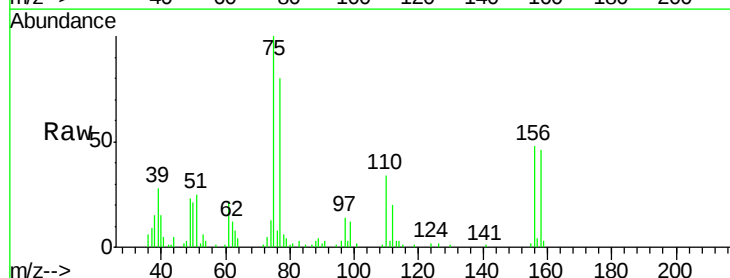
RT: 12.78 min Scan# 1847

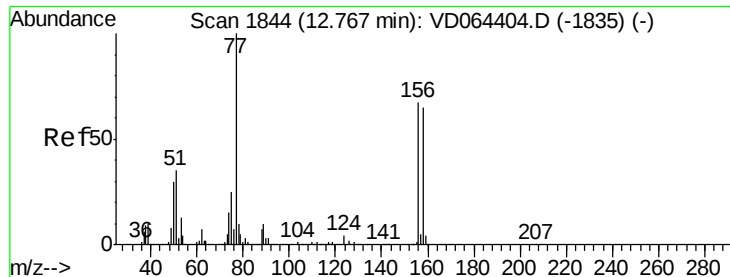
Delta R.T. -0.01 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

Tgt Ion:	75	Resp:	37543
Ion Ratio	Lower	Upper	
75	100		
77	401.7	0.0	0.0#





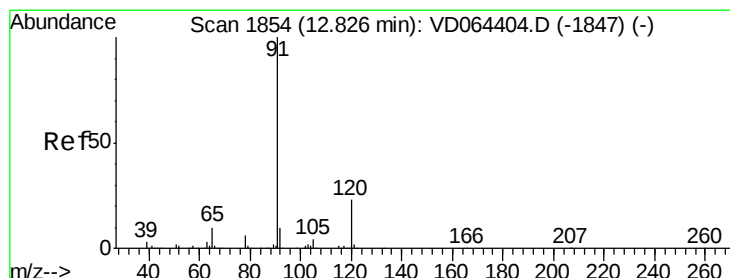
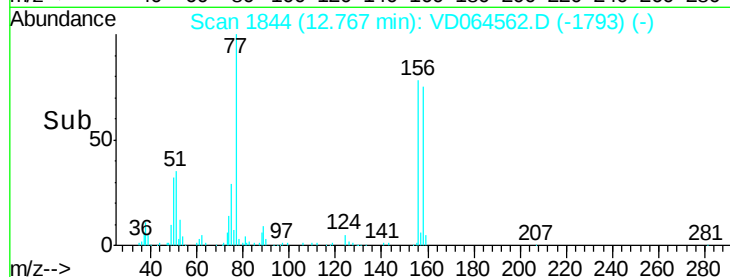
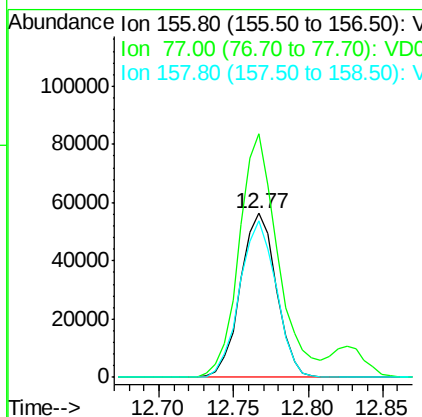
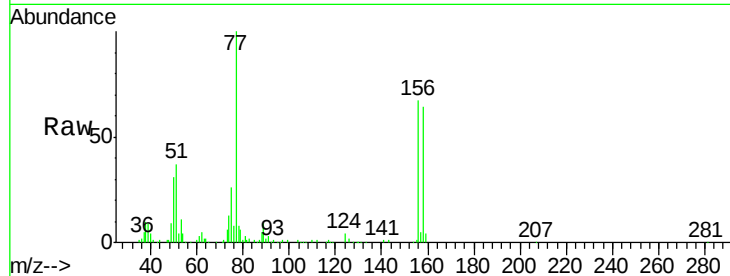
#77
Bromobenzene
Concen: 19.813 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	160.5	80.0	240.2
158	97.0	48.9	146.6

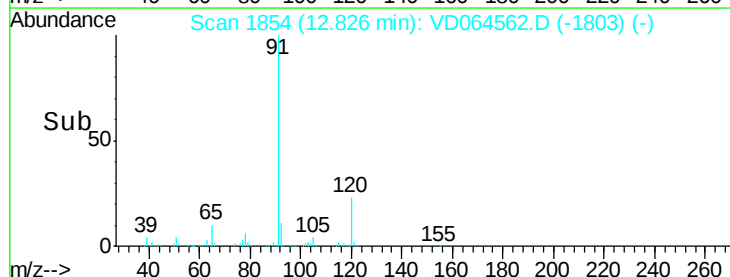
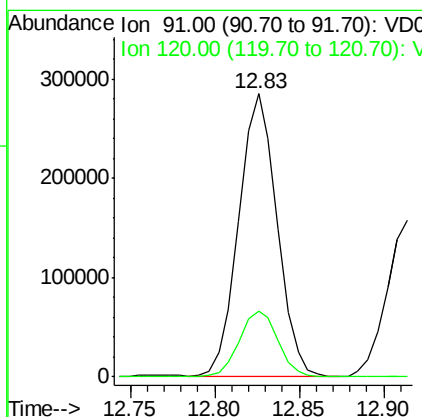
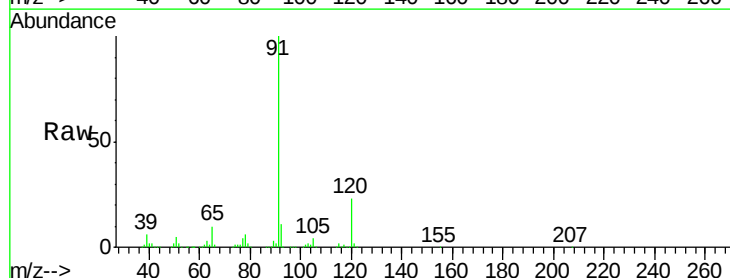
Manual Integrations
APPROVED

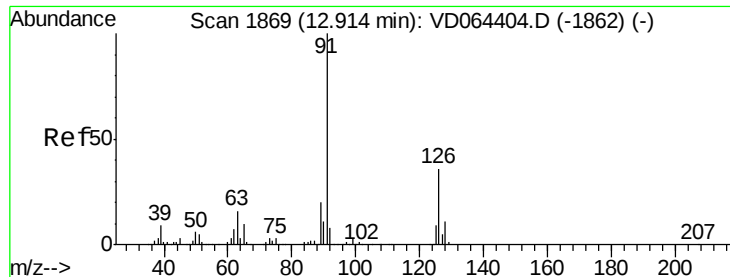
apatel
12/24/2019 11:04:08 AM



#78
n-propylbenzene
Concen: 20.213 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.9	35.9





#79

2-Chlorotoluene

Concen: 20.124 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

Tot Ion: 91 Resp: 245396

Ion Ratio Lower Upper

91 100

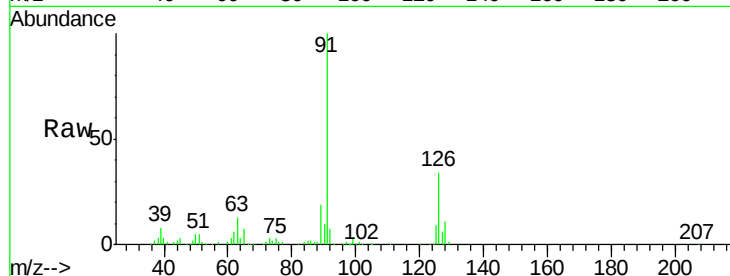
126 36.6 18.0 54.0

Manual Integrations

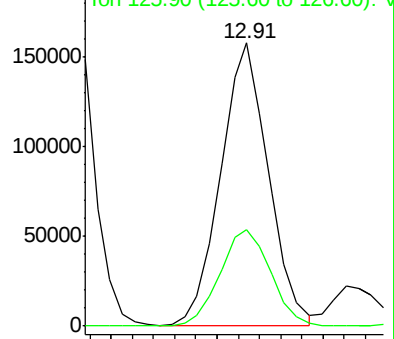
APPROVED

apatel

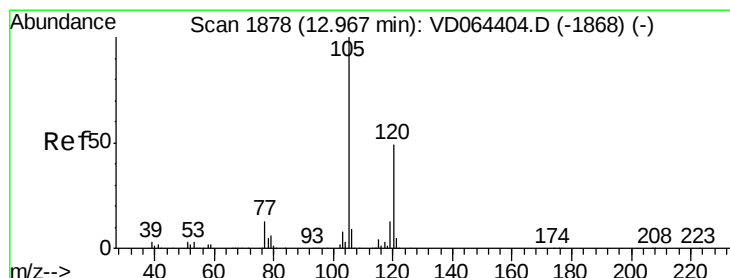
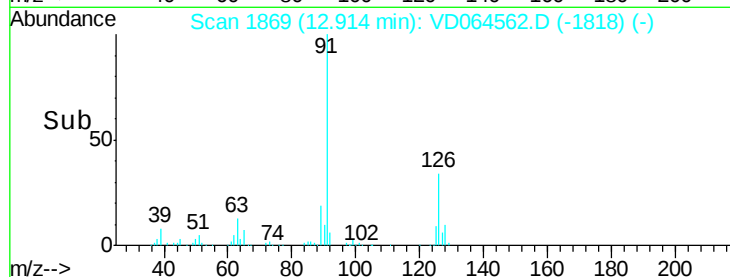
12/24/2019 11:04:08 AM



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



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.024 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064562.D

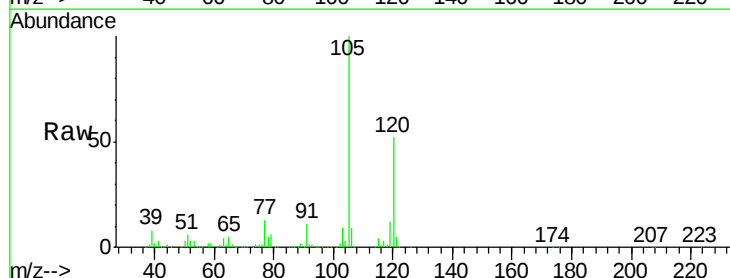
Acq: 23 Dec 2019 12:14

Tgt Ion: 105 Resp: 314290

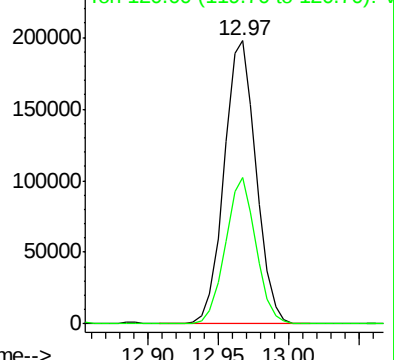
Ion Ratio Lower Upper

105 100

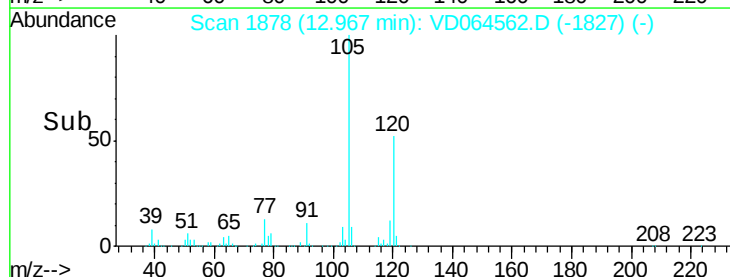
120 49.5 25.1 75.3

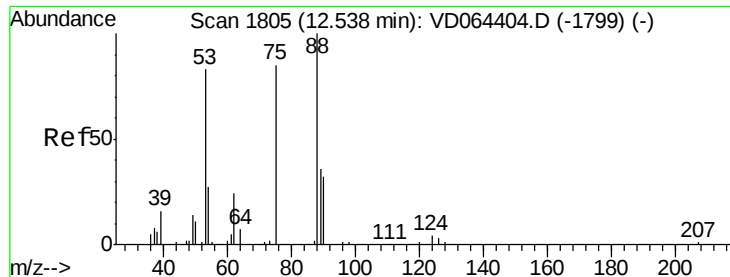


Abundance Ion 105.00 (104.70 to 105.70): VD064404.D (-1868) (-)



Time-->





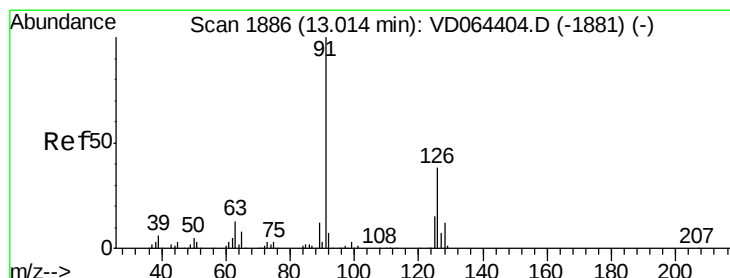
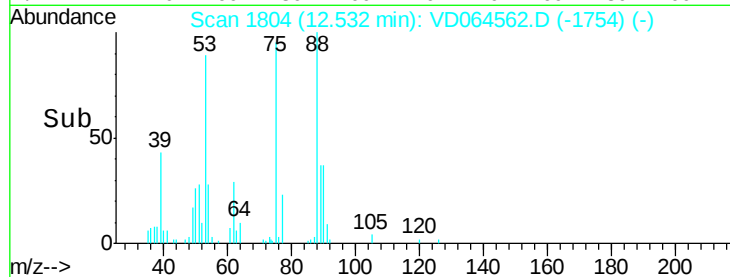
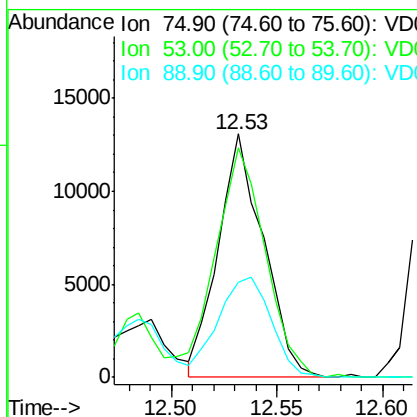
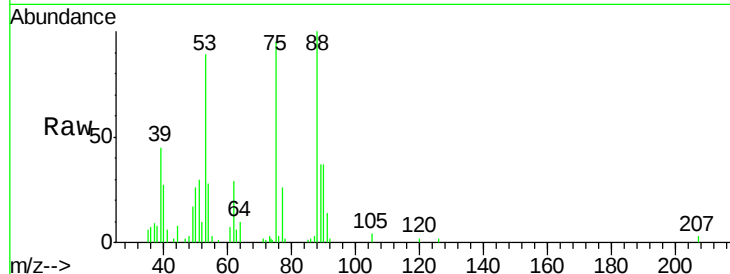
#81
trans-1,4-Dichloro-2-butene
Concen: 19.239 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.2	81.0	121.6
89	48.4	38.5	57.7

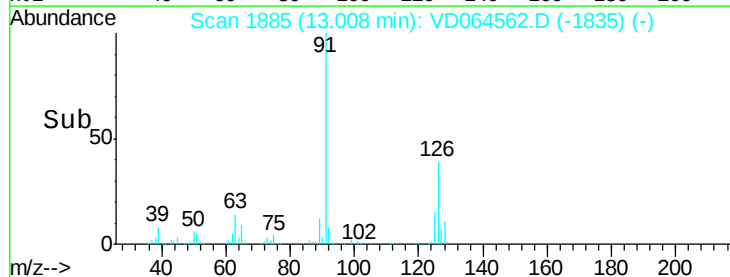
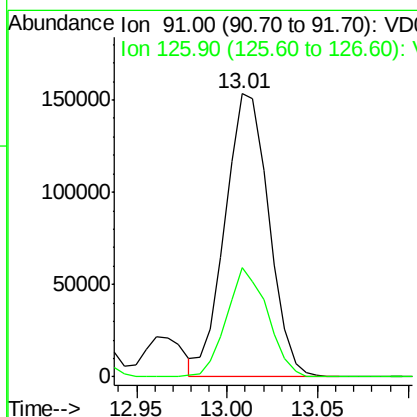
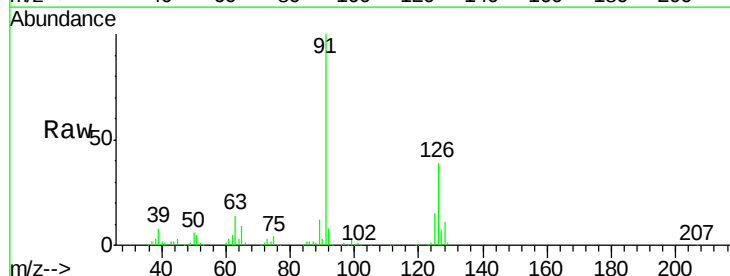
Manual Integrations
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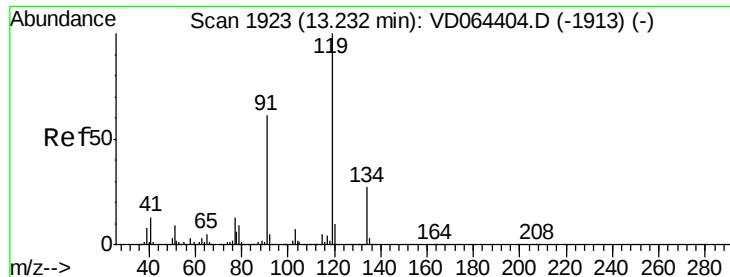
apatel
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#82
4-Chlorotoluene
Concen: 19.906 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	18.2	54.6





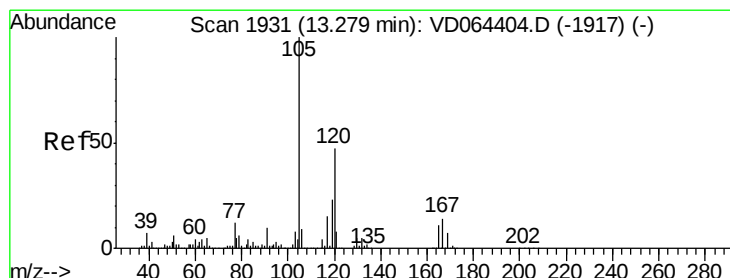
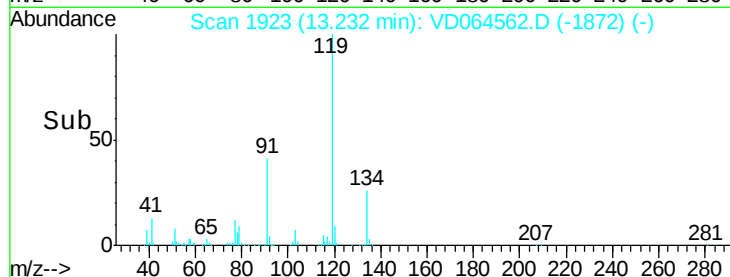
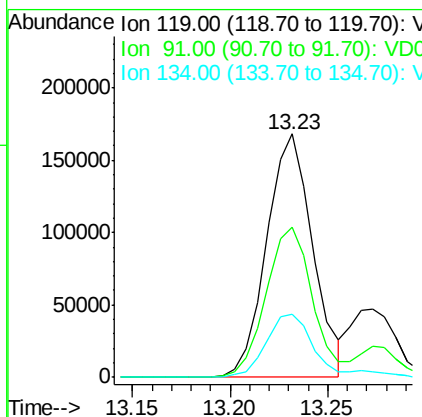
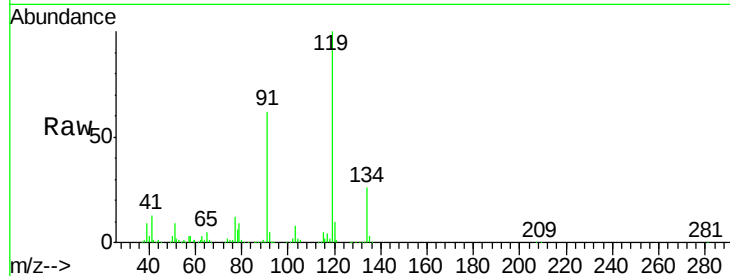
#83
tert-Butylbenzene
Concen: 20.204 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	275691		
91	61.5	31.2	93.6	
134	26.2	13.9	41.7	

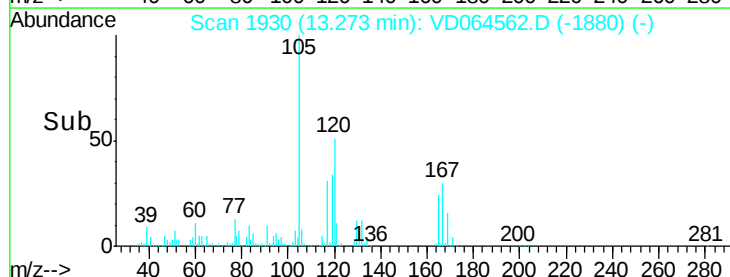
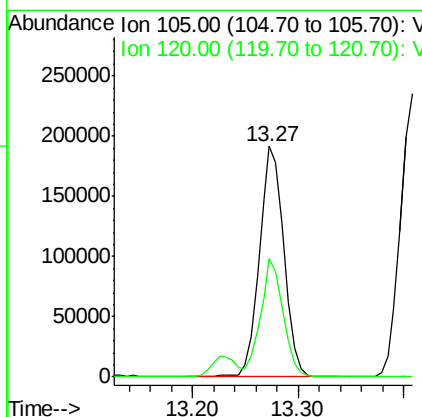
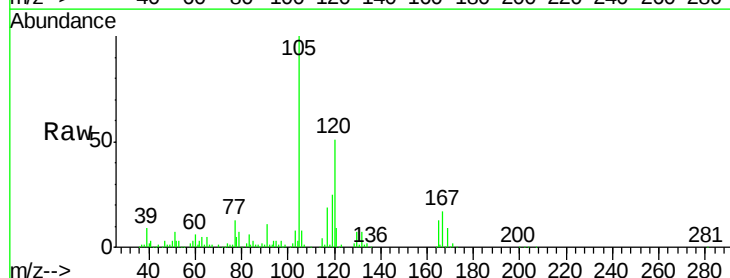
Manual Integrations
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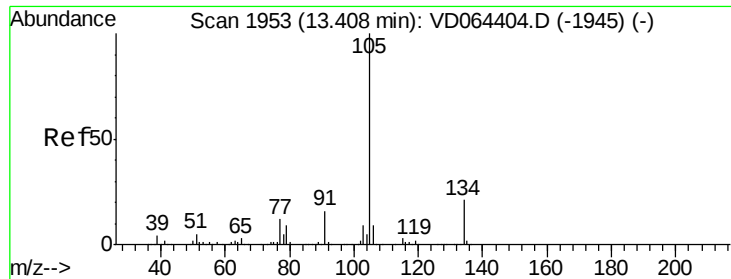
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 19.546 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	308487		
120	47.0	23.6	70.8	





#85

sec-Butylbenzene

Concen: 20.059 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

Tot Ion:105 Resp: 375680

Ion Ratio Lower Upper

105 100

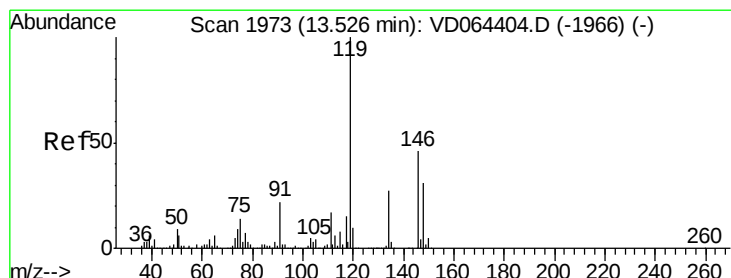
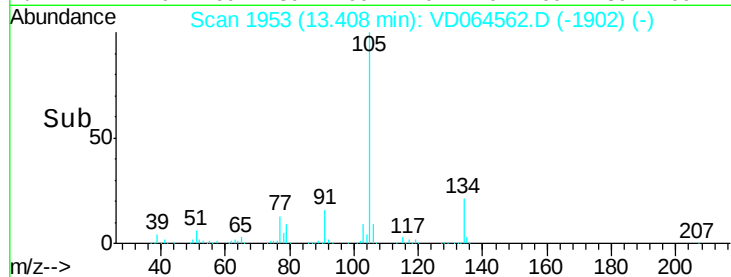
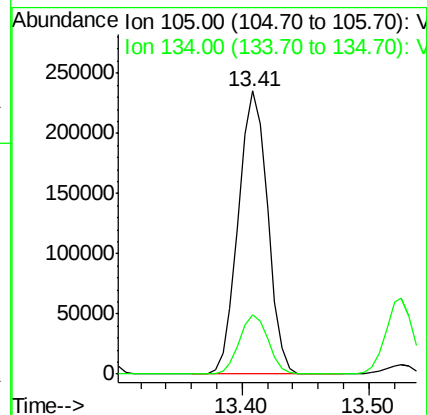
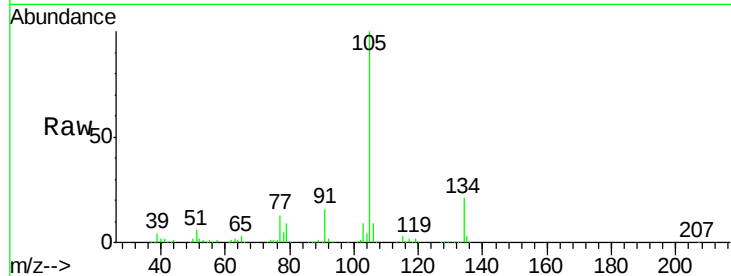
134 20.6 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.979 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

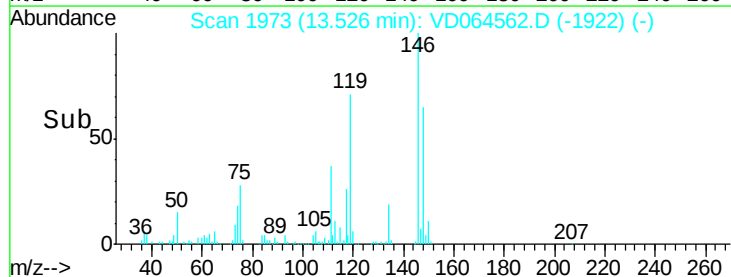
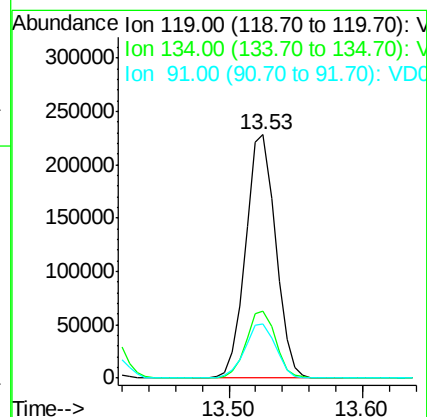
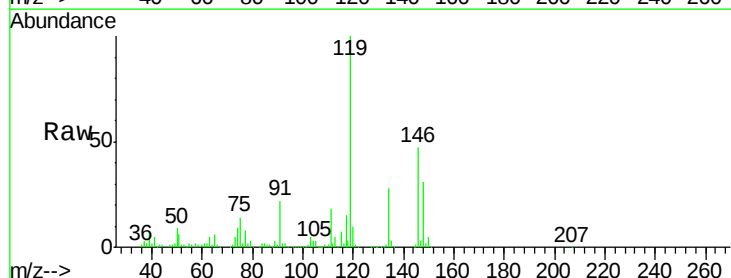
Tgt Ion:119 Resp: 353262

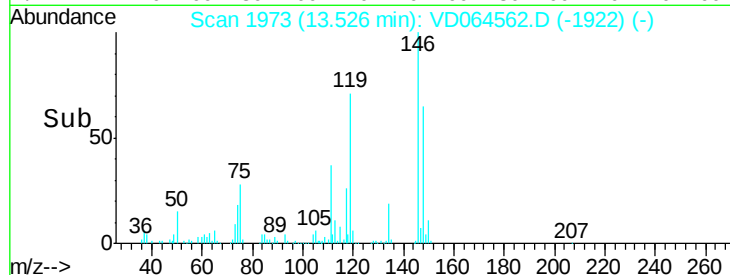
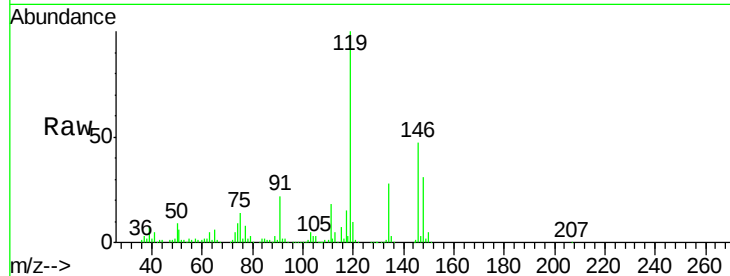
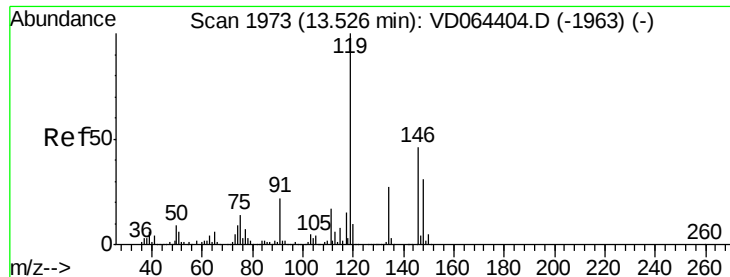
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 22.7 11.2 33.5





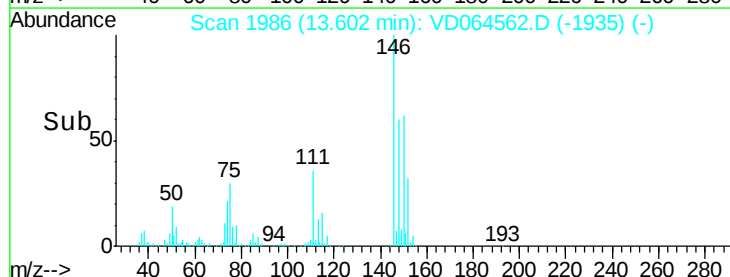
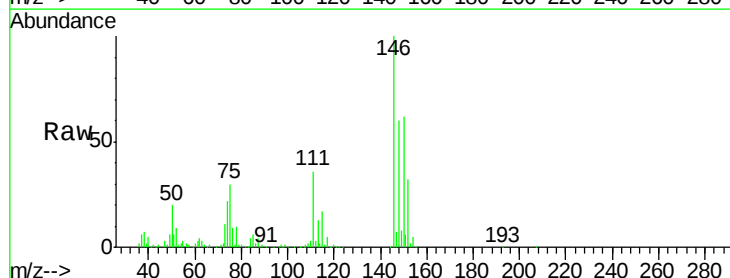
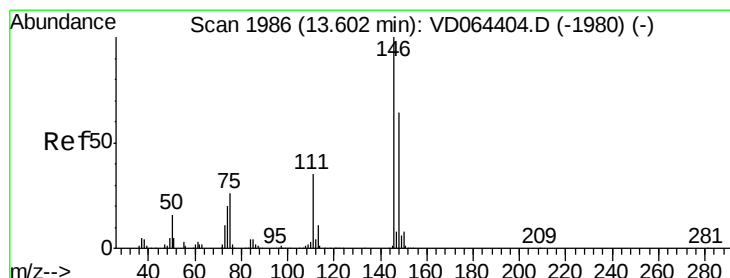
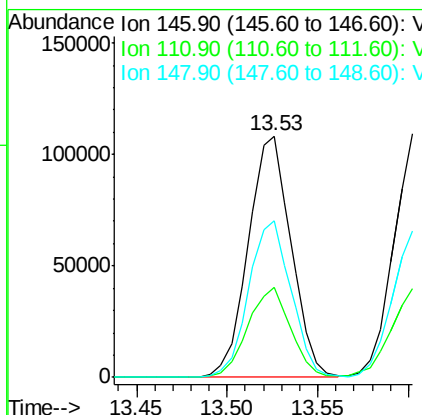
#87
 1,3-Dichlorobenzene
 Concen: 19.715 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064562.D
 Acq: 23 Dec 2019 12:14

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.8	56.4
148	64.2	32.6	97.8

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBS01

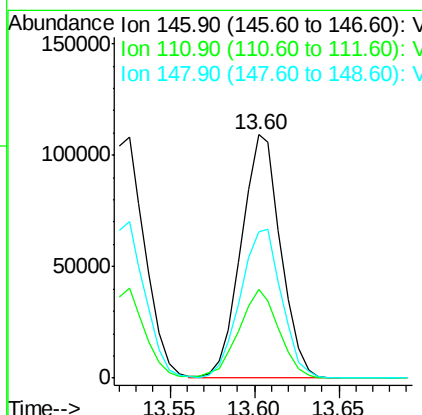
Manual Integrations
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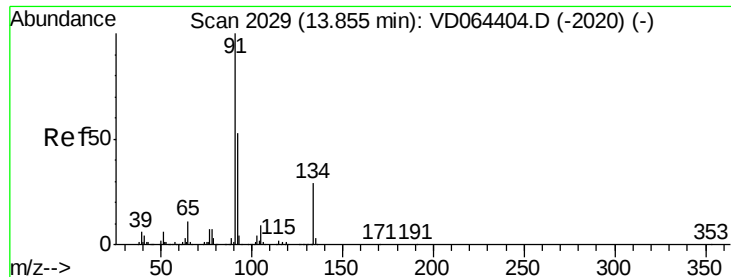
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#88
 1,4-Dichlorobenzene
 Concen: 19.959 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064562.D
 Acq: 23 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.2	54.6
148	63.9	31.8	95.4





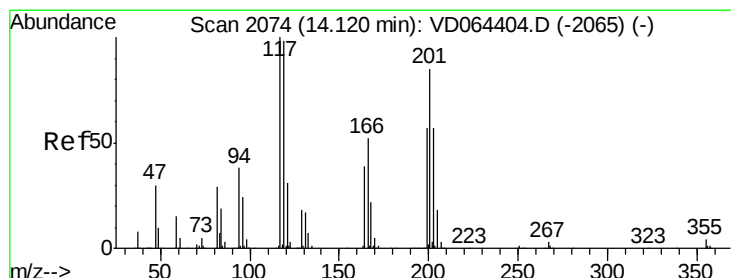
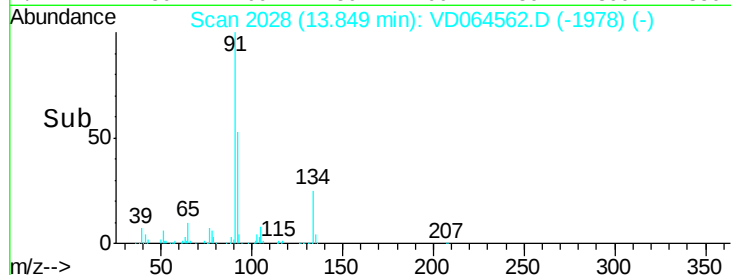
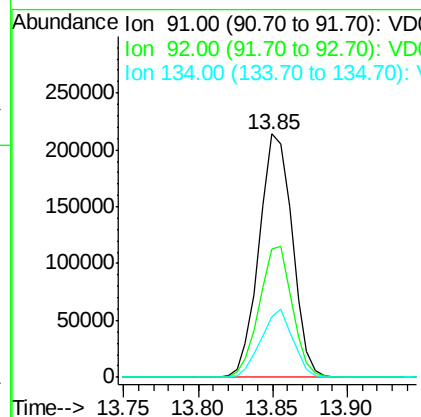
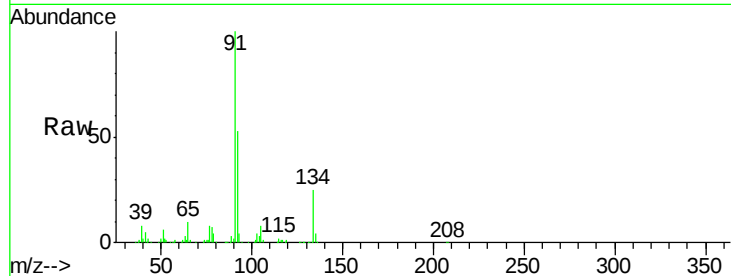
#89
n-Butylbenzene
Concen: 20.403 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.5	79.4
134	27.1	13.9	41.7

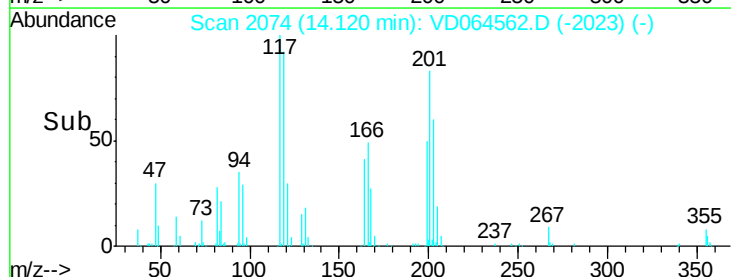
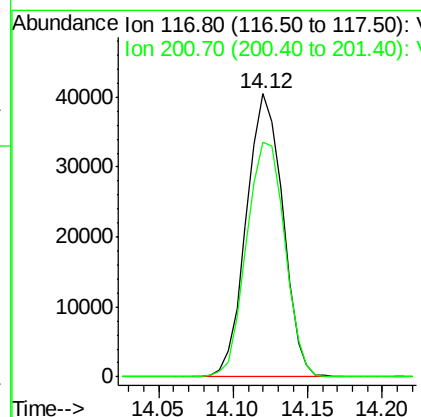
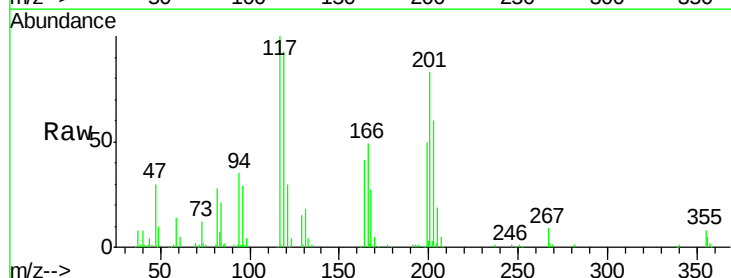
Manual Integrations
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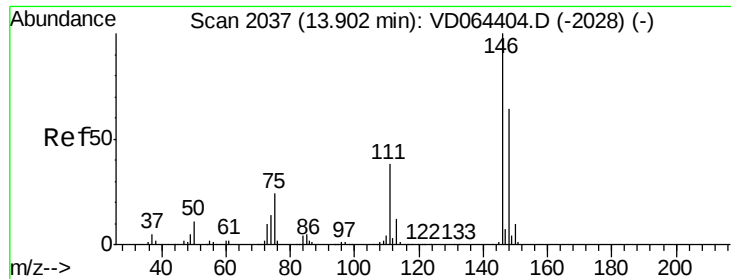
apatel
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#90
Hexachloroethane
Concen: 20.688 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064562.D
Acq: 23 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.4	44.3	132.8





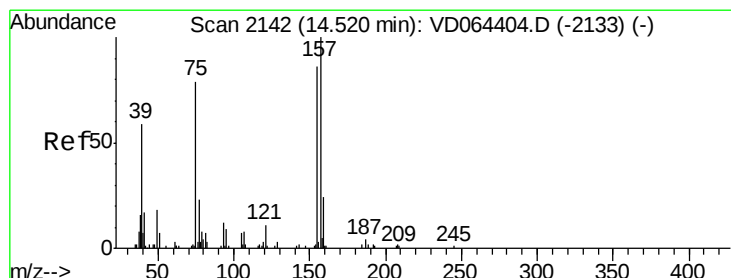
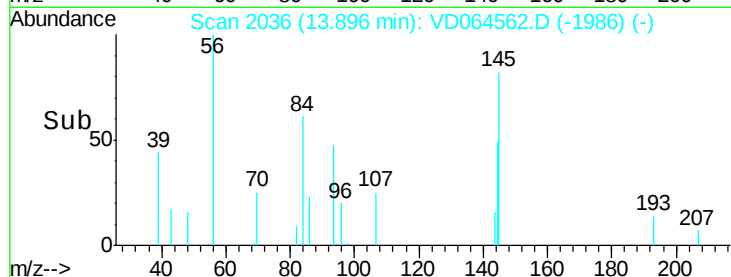
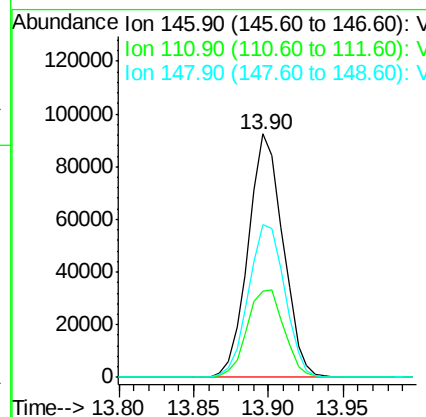
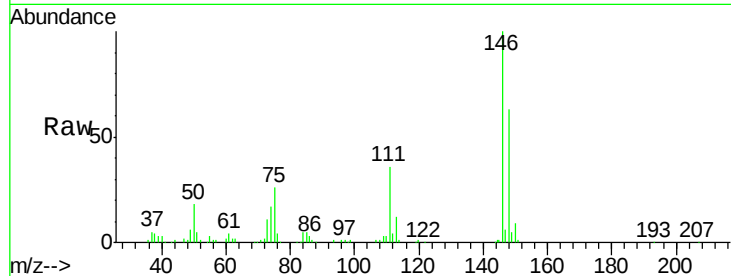
#91
 1,2-Dichlorobenzene
 Concen: 19.391 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064562.D
 Acq: 23 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.3
148	65.2	32.0	96.0

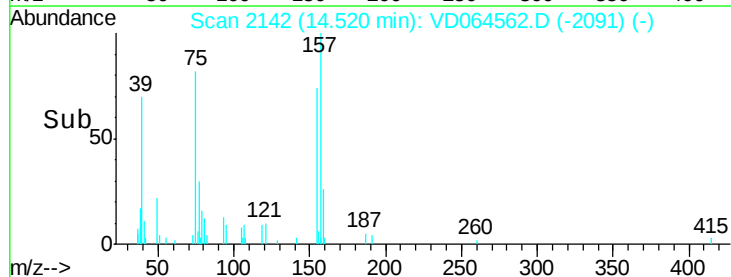
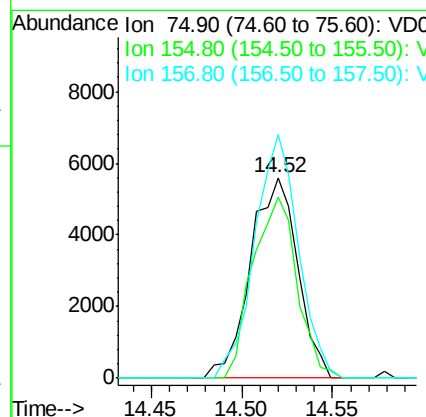
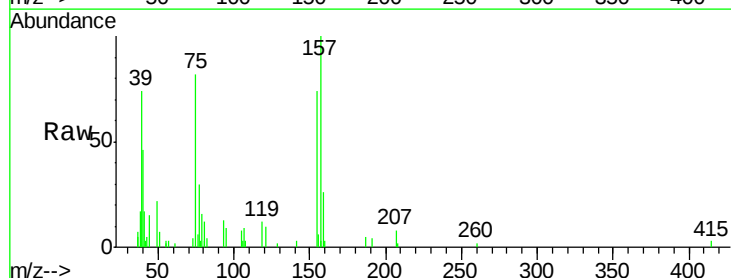
Manual Integrations
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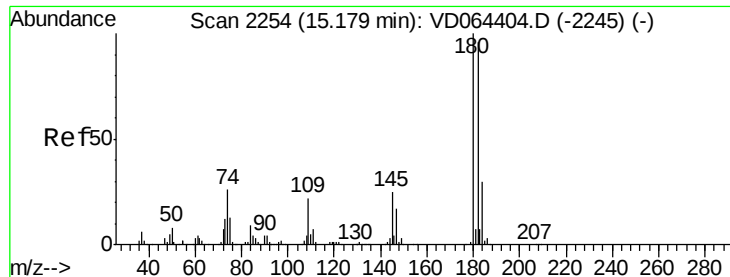
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.553 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064562.D
 Acq: 23 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.0	51.9	155.7
157	112.4	63.2	189.8





#93

1,2,4-Trichlorobenzene

Concen: 19.974 ug/l

RT: 15.17 min Scan# 2253

Delta R.T. -0.01 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

Instrument :

MSVOA_D

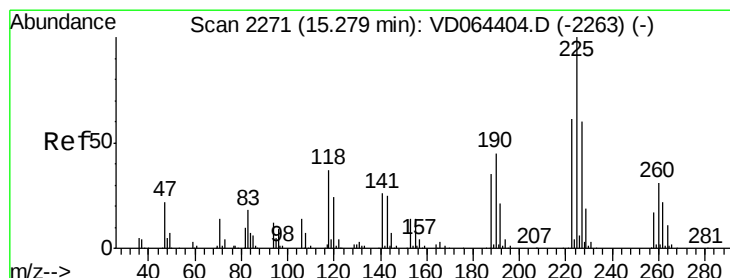
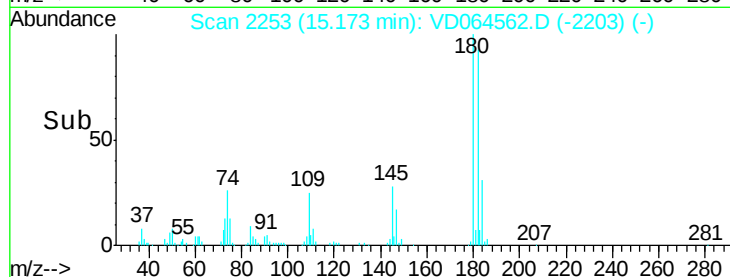
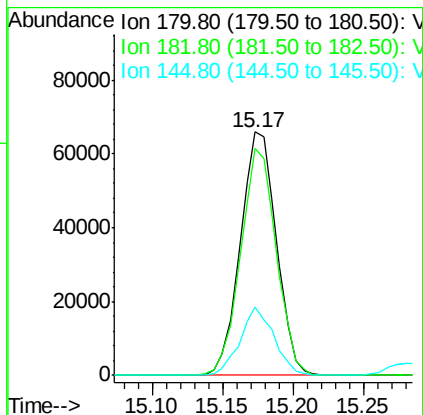
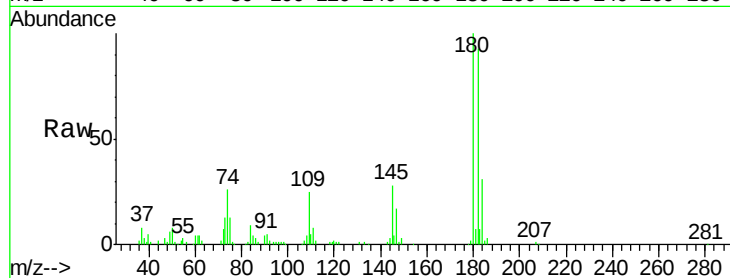
ClientSampleId :

VD1223SBS01

Tot Ion:	180	Resp:	117691
Ion Ratio	Lower	Upper	
180	100		
182	92.1	47.4	142.3
145	26.5	14.0	41.9

Manual Integrations
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12/24/2019 11:04:08 AM



#94

Hexachlorobutadiene

Concen: 19.778 ug/l

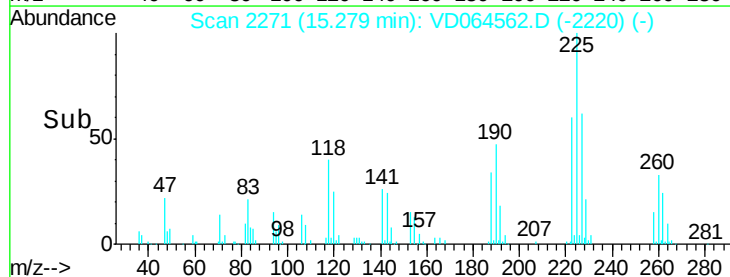
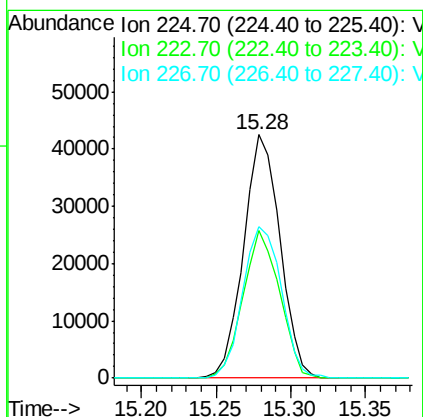
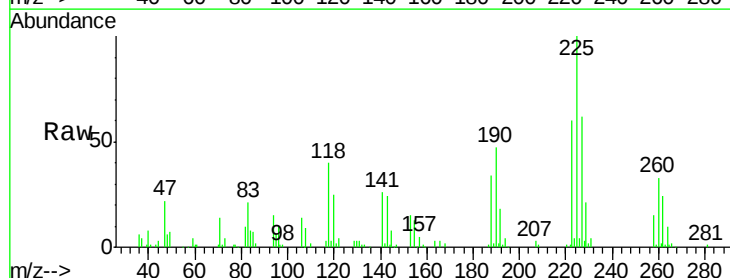
RT: 15.28 min Scan# 2271

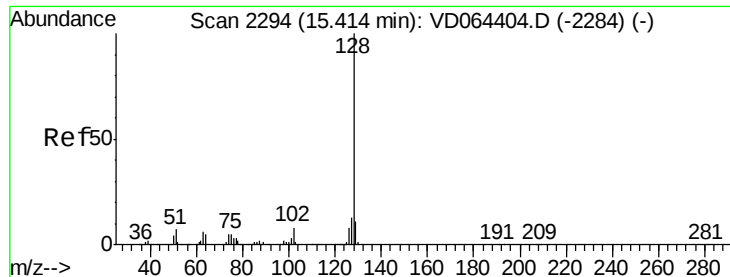
Delta R.T. 0.00 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

Tgt Ion:	225	Resp:	71940
Ion Ratio	Lower	Upper	
225	100		
223	60.8	31.1	93.3
227	66.0	31.8	95.4





#95

Naphthalene

Concen: 18.506 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

Instrument :

MSVOA_D

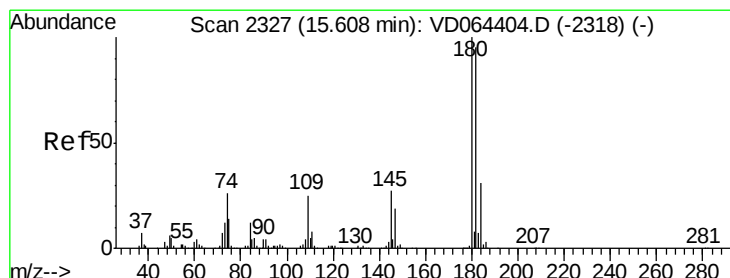
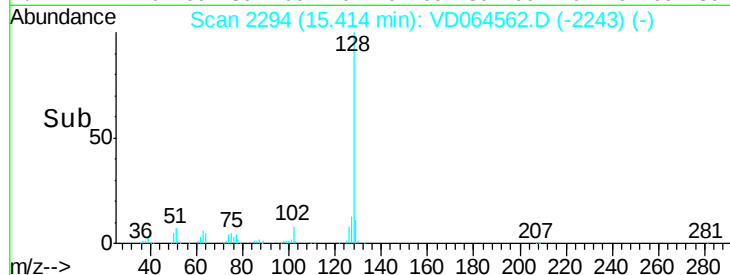
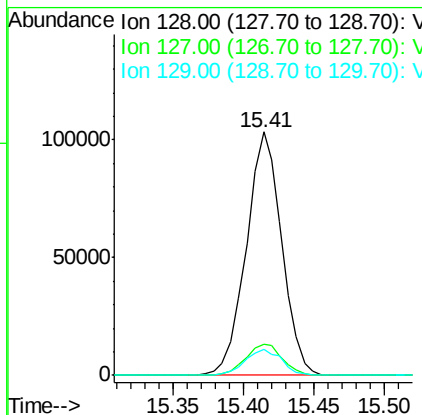
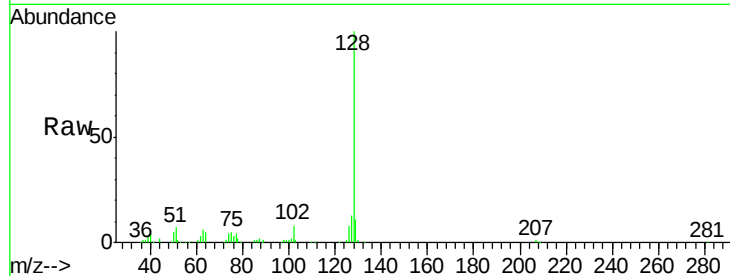
ClientSampleId :

VD1223SBS01

Tot Ion:	128	Resp:	181973
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.5	15.7
129	10.9	8.8	13.2

Manual Integrations
APPROVED

apatel
12/24/2019 11:04:08 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.453 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064562.D

Acq: 23 Dec 2019 12:14

Tgt Ion:	180	Resp:	97840
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.6	142.9
145	29.1	14.6	43.8

