

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121319\
 Data File : VD064508.D
 Acq On : 13 Dec 2019 15:54
 Operator : VA/SY
 Sample : VD1213SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

Manual Integrations
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 12/16/2019 12:15:54 PM

Quant Time: Dec 14 00:22:23 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	429909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	630944	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	565598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279015	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	190439	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
35) Dibromofluoromethane	7.91	113	192724	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
50) Toluene-d8	10.34	98	717479	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
62) 4-Bromofluorobenzene	12.64	95	228718	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	80596	20.690	ug/l	93
3) Chloromethane	2.21	50	106574	21.692	ug/l	98
4) Vinyl Chloride	2.35	62	125229	22.075	ug/l	99
5) Bromomethane	2.76	94	84510	20.145	ug/l	96
6) Chloroethane	2.92	64	81738	21.557	ug/l	100
7) Trichlorofluoromethane	3.27	101	215598	22.862	ug/l	99
8) Diethyl Ether	3.70	74	39797	20.308	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	89385	22.106	ug/l	97
10) Methyl Iodide	4.29	142	85156	19.942	ug/l	99
11) Tert butyl alcohol	5.25	59	23807	96.112	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	83214	21.475	ug/l	98
13) Acrolein	3.92	56	29426	87.095	ug/l	99
14) Allyl chloride	4.71	41	127287	21.048	ug/l	98
15) Acrylonitrile	5.43	53	90596	105.720	ug/l	98
16) Acetone	4.17	43	82976	105.520	ug/l	99
17) Carbon Disulfide	4.40	76	256613	20.909	ug/l	98
18) Methyl Acetate	4.72	43	49481	21.572	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	182112	20.488	ug/l	97
20) Methylene Chloride	4.96	84	96069	21.511	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	95342	21.752	ug/l	98
22) Diisopropyl ether	6.37	45	248479	20.814	ug/l	96
23) Vinyl Acetate	6.31	43	734664	104.384	ug/l	98
24) 1,1-Dichloroethane	6.26	63	155339	21.636	ug/l	98
25) 2-Butanone	7.22	43	114706	103.146	ug/l	97
26) 2,2-Dichloropropane	7.21	77	135263	21.664	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	99472	20.816	ug/l	99
28) Bromochloromethane	7.55	49	39848	16.241	ug/l	98
29) Tetrahydrofuran	7.57	42	73544	103.946	ug/l	97
30) Chloroform	7.71	83	159934	21.509	ug/l	99
31) Cyclohexane	7.98	56	148960	21.114	ug/l #	93
32) 1,1,1-Trichloroethane	7.90	97	149211	21.645	ug/l	99
36) 1,1-Dichloropropene	8.11	75	128212	21.484	ug/l	99
37) Ethyl Acetate	7.30	43	50043	19.762	ug/l #	95
38) Carbon Tetrachloride	8.10	117	138044	21.917	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	157938	21.335	ug/l	95
40) Benzene	8.35	78	346321	20.894	ug/l	97
41) Methacrylonitrile	7.54	41	33711m	23.213	ug/l	
42) 1,2-Dichloroethane	8.43	62	101436	20.985	ug/l	98
43) Isopropyl Acetate	8.46	43	104211	20.930	ug/l	99
44) Trichloroethene	9.11	130	103654	20.760	ug/l	96
45) 1,2-Dichloropropane	9.39	63	83577	21.083	ug/l	93
46) Dibromomethane	9.47	93	47116	21.059	ug/l	98
47) Bromodichloromethane	9.66	83	122525	21.313	ug/l #	96
48) Methyl methacrylate	9.46	41	47044	20.648	ug/l	95
49) 1,4-Dioxane	9.47	88	11424	413.496	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	258797	105.051	ug/l	99
52) Toluene	10.40	92	225674	20.891	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	116143	21.199	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	136744	21.010	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	65027	21.226	ug/l	95
56) Ethyl methacrylate	10.66	69	79625	20.378	ug/l	98
57) 1,3-Dichloropropane	10.95	76	107557	20.625	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	172412	110.689	ug/l	100
59) 2-Hexanone	10.98	43	177724	103.967	ug/l	99
60) Dibromochloromethane	11.14	129	87508	21.067	ug/l	98
61) 1,2-Dibromoethane	11.25	107	63863	20.878	ug/l	96
64) Tetrachloroethene	10.87	164	91135	21.130	ug/l	96
65) Chlorobenzene	11.67	112	242812	20.583	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	88907	20.359	ug/l	96
67) Ethyl Benzene	11.74	91	430279	20.500	ug/l	98
68) m/p-Xylenes	11.86	106	331648	41.442	ug/l	99
69) o-Xylene	12.18	106	154024	20.839	ug/l	97
70) Styrene	12.20	104	261817	20.385	ug/l	99
71) Bromoform	12.36	173	53899	20.630	ug/l #	99
73) Isopropylbenzene	12.48	105	420850	20.972	ug/l	99
74) N-amyl acetate	12.29	43	89656	19.685	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	69366	20.903	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	41217m	17.963	ug/l	
77) Bromobenzene	12.77	156	101700	20.523	ug/l	99
78) n-propylbenzene	12.83	91	484321	20.918	ug/l	99
79) 2-Chlorotoluene	12.91	91	263709	20.699	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	334417	20.393	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	22329	21.220	ug/l	95
82) 4-Chlorotoluene	13.01	91	277697	20.587	ug/l	100
83) tert-Butylbenzene	13.23	119	298274	20.922	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	338093	20.504	ug/l	100
85) sec-Butylbenzene	13.41	105	401626	20.526	ug/l	99
86) p-Isopropyltoluene	13.53	119	375060	20.303	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	193561	20.580	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	190425	20.507	ug/l	99
89) n-Butylbenzene	13.85	91	343724	20.489	ug/l	99
90) Hexachloroethane	14.12	117	73091	21.154	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	165984	20.650	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11203	19.962	ug/l	96

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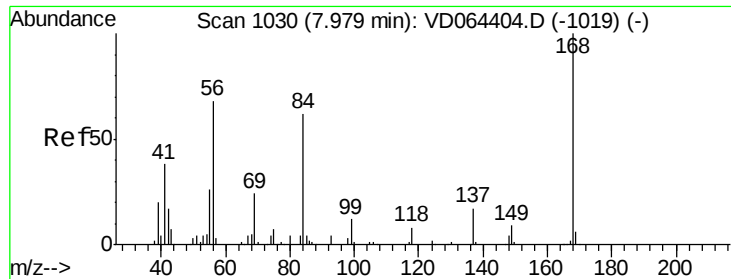
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	122667	19.927	ug/l	99
94) Hexachlorobutadiene	15.28	225	75470	19.859	ug/l	98
95) Naphthalene	15.41	128	201365	19.601	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	108079	20.568	ug/l	100

(#) = 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: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

Tot Ion:168 Resp: 429909

Ion Ratio Lower Upper

168 100

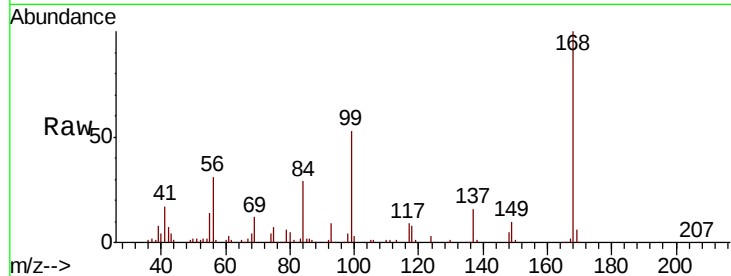
99 53.3 40.7 61.1

Manual Integrations

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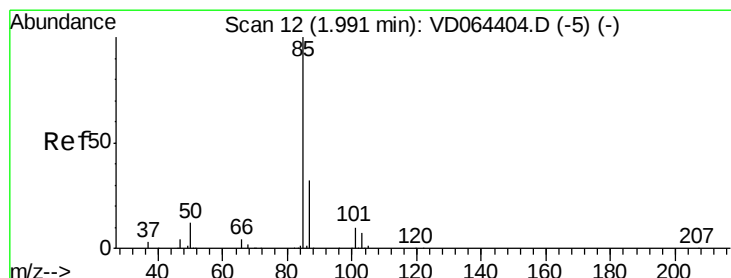
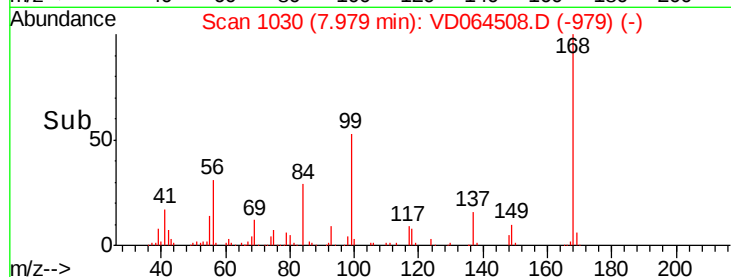
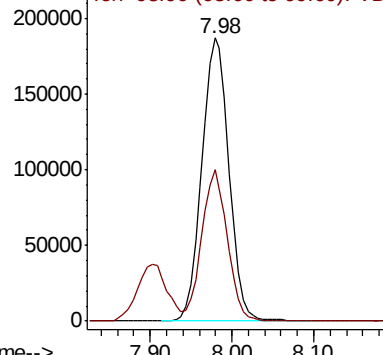
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.690 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064508.D

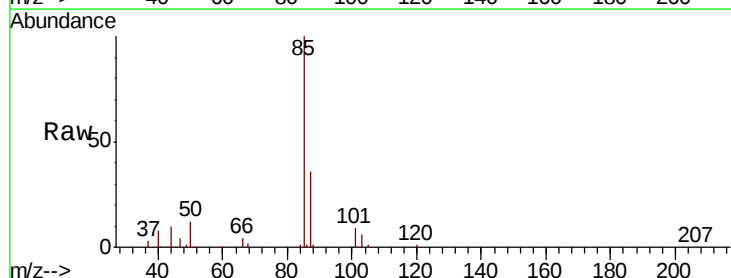
Acq: 13 Dec 2019 15:54

Tgt Ion: 85 Resp: 80596

Ion Ratio Lower Upper

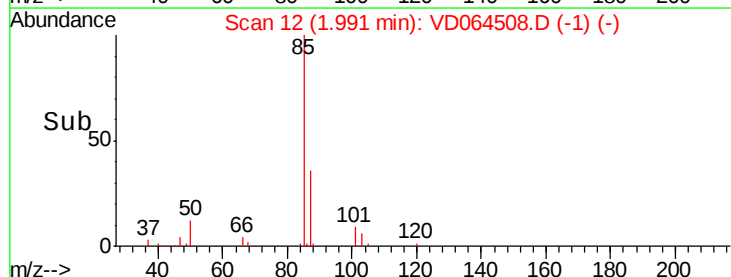
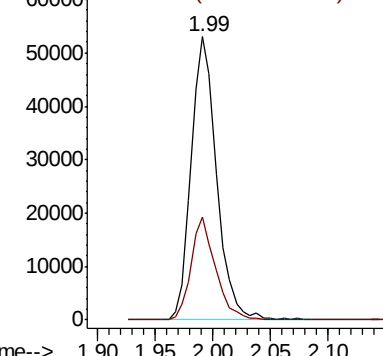
85 100

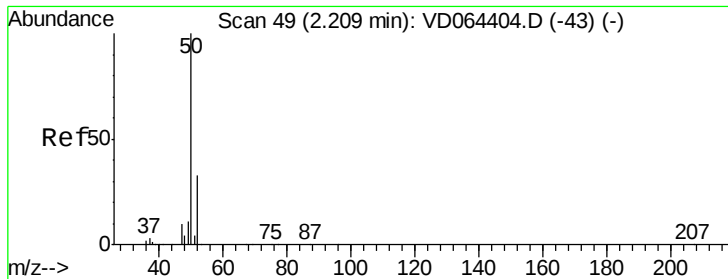
87 36.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.692 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

Tot Ion: 50 Resp: 106574

Ion Ratio Lower Upper

50 100

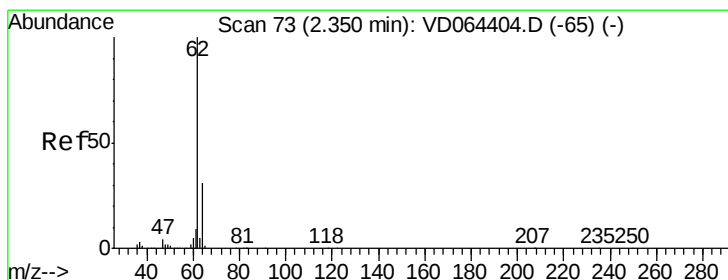
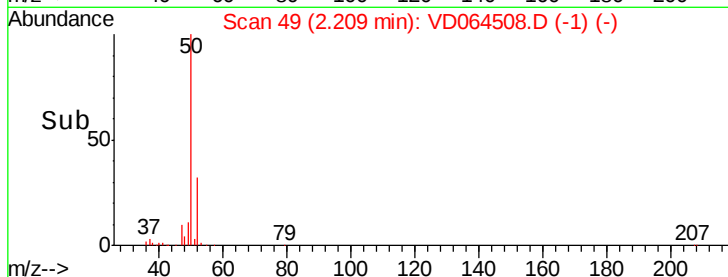
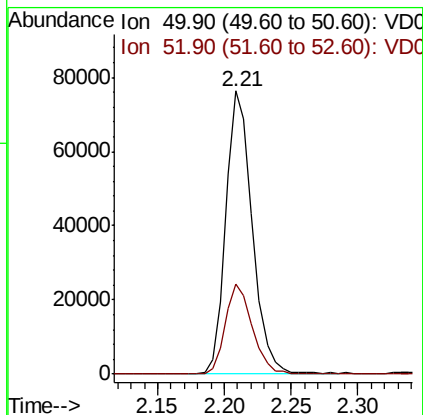
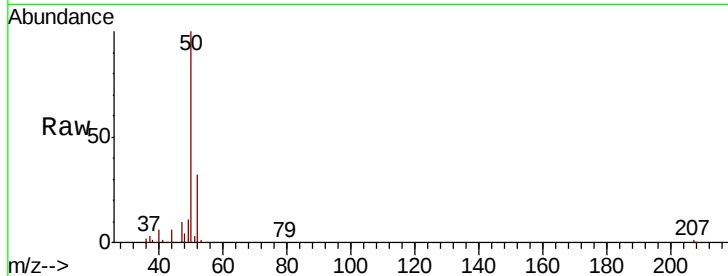
52 32.0 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.075 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064508.D

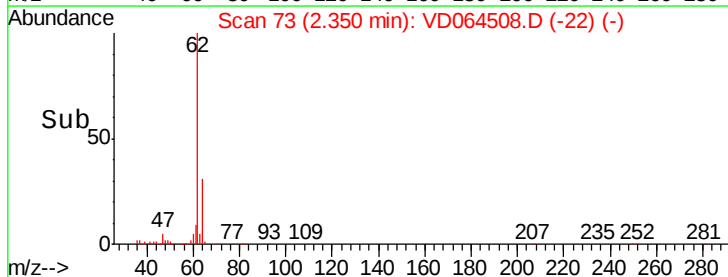
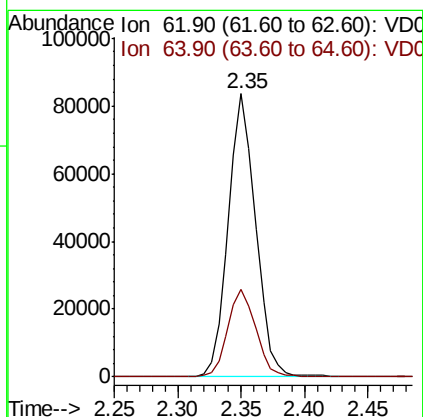
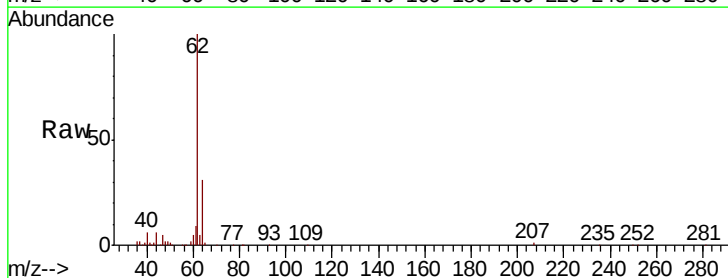
Acq: 13 Dec 2019 15:54

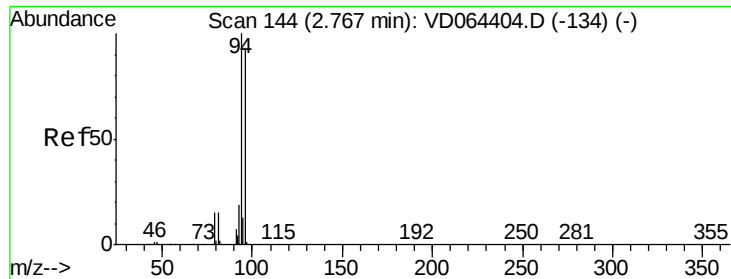
Tgt Ion: 62 Resp: 125229

Ion Ratio Lower Upper

62 100

64 30.8 25.0 37.4





#5

Bromomethane

Concen: 20.145 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

Tot Ion: 94 Resp: 84510

Ion Ratio Lower Upper

94 100

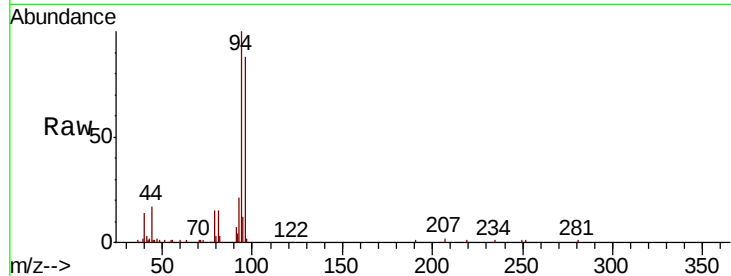
96 88.2 73.6 110.4

Manual Integrations

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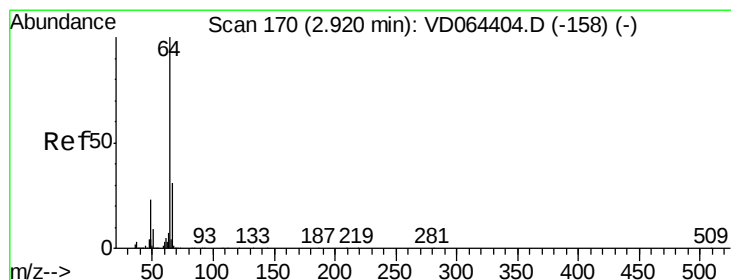
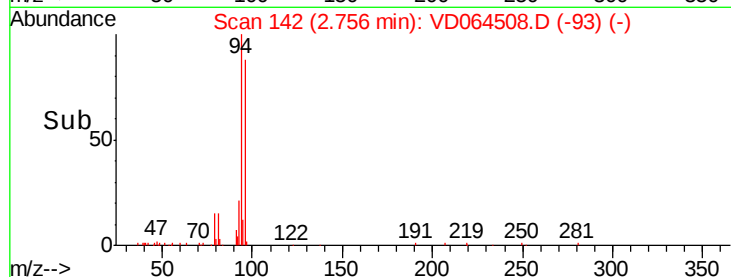
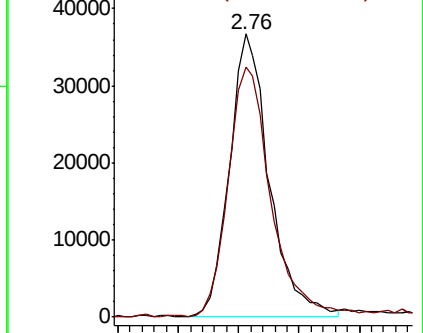
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.557 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD064508.D

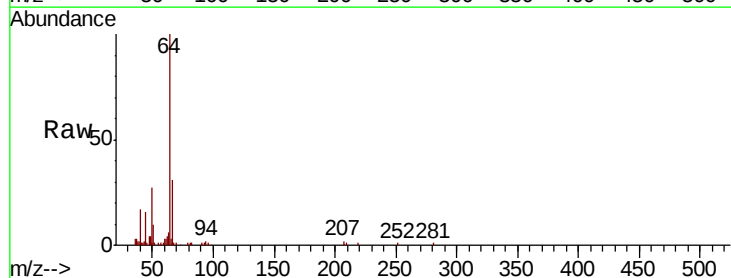
Acq: 13 Dec 2019 15:54

Tgt Ion: 64 Resp: 81738

Ion Ratio Lower Upper

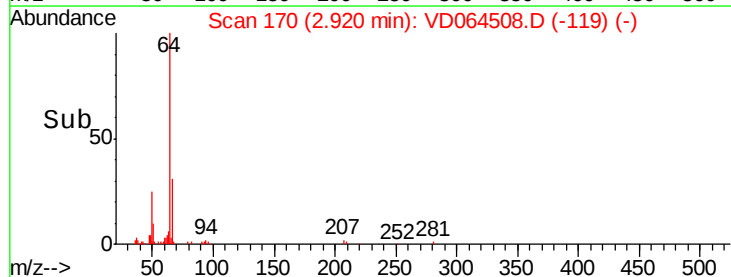
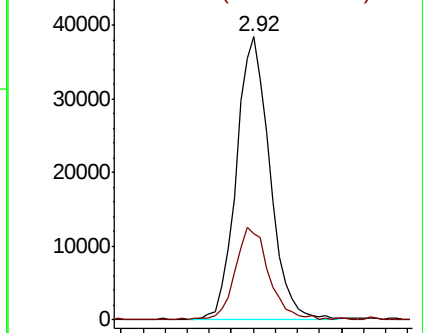
64 100

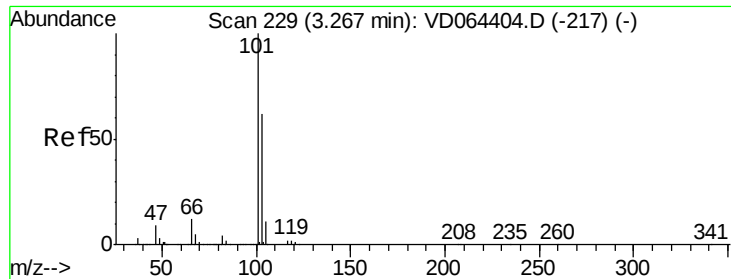
66 30.6 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

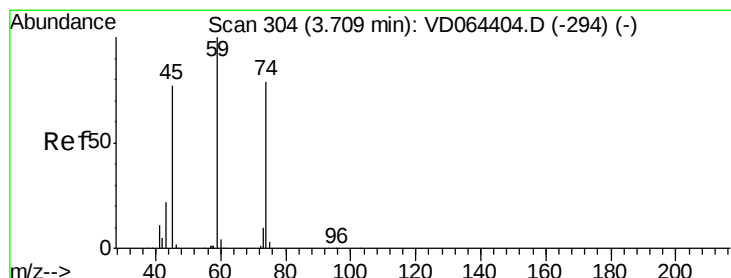
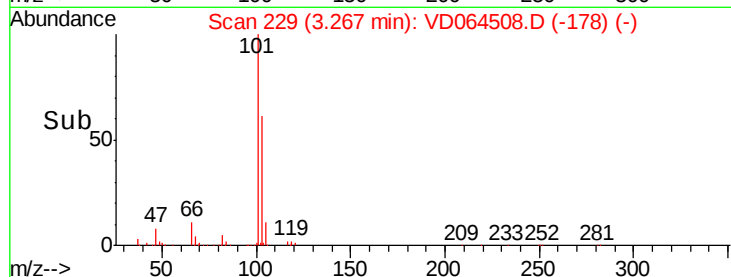
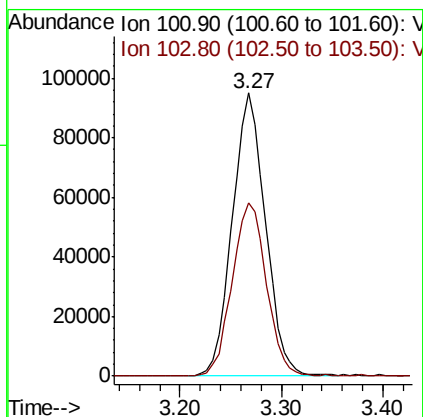
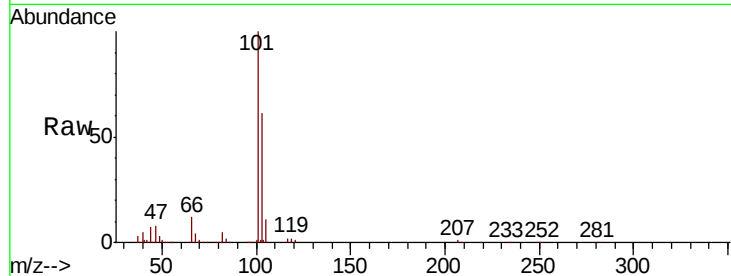
Trichlorofluoromethane
 Concen: 22.862 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Instrument :
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 VD1213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	215598		
103	61.2	49.8	74.6	

Manual Integrations
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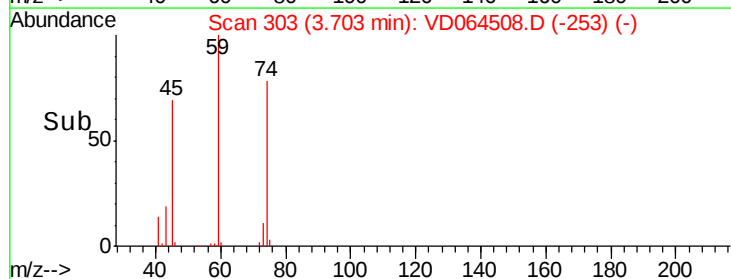
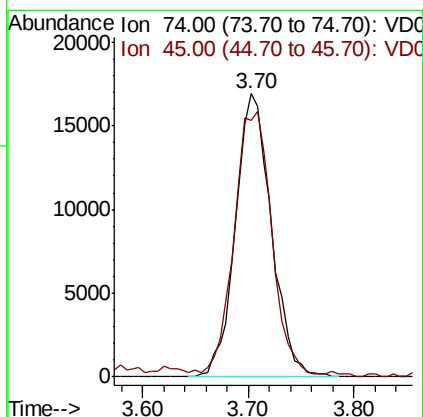
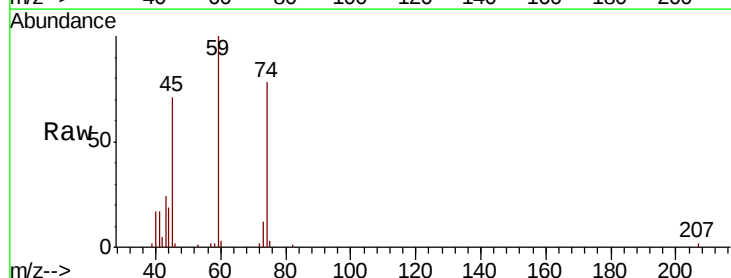
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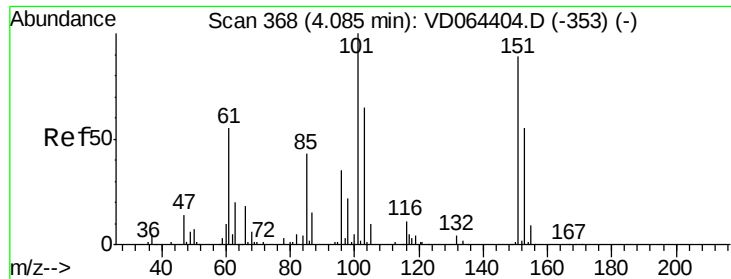


#8

Diethyl Ether
 Concen: 20.308 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	39797		
45	96.1	48.6	145.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.106 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

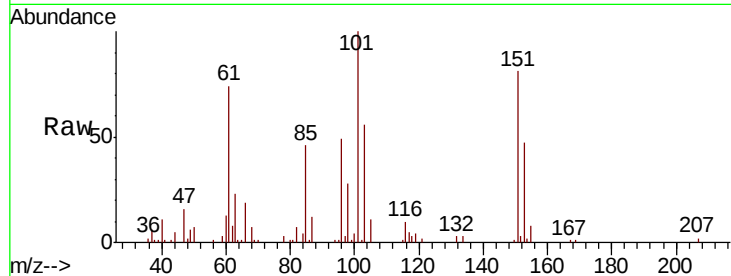
ClientSampleId :

VD1213SBS01

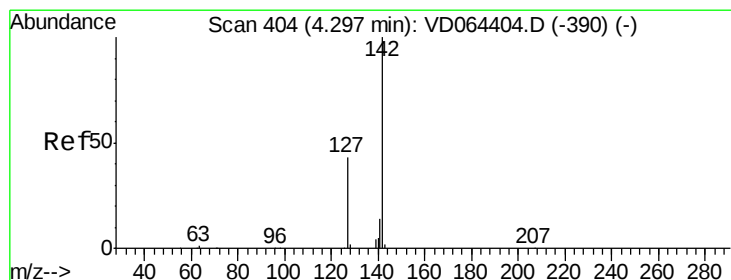
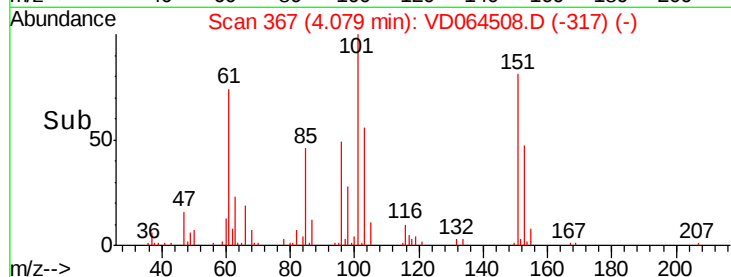
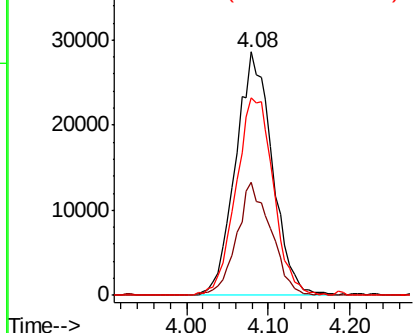
Tot Ion:	101	Resp:	89385
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.8	52.2
151	82.6	68.8	103.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.942 ug/l

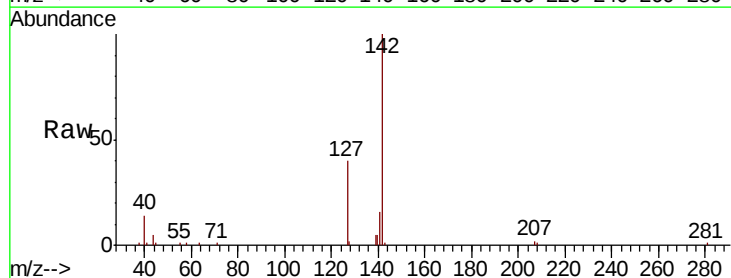
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

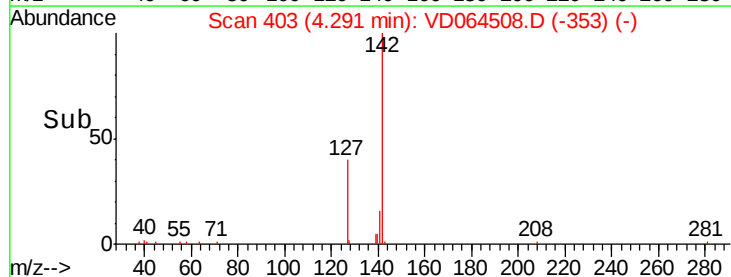
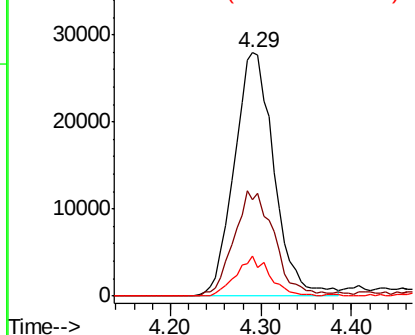
Lab File: VD064508.D

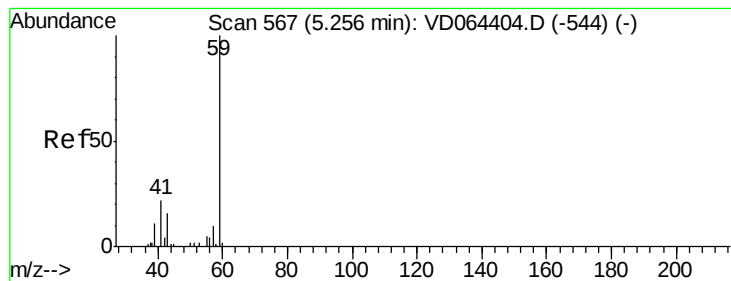
Acq: 13 Dec 2019 15:54

Tgt Ion:	142	Resp:	85156
Ion Ratio	Lower	Upper	
142	100		
127	43.6	35.3	52.9
141	13.9	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

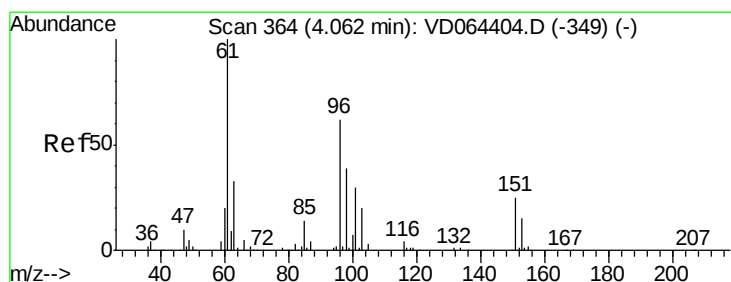
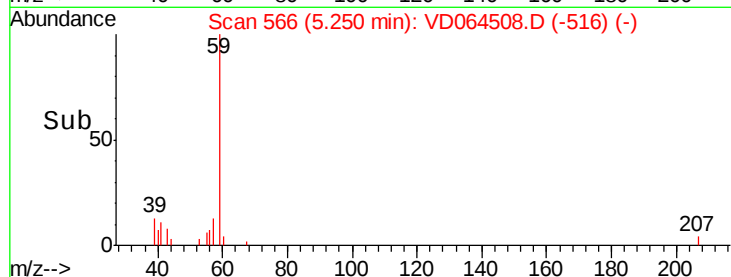
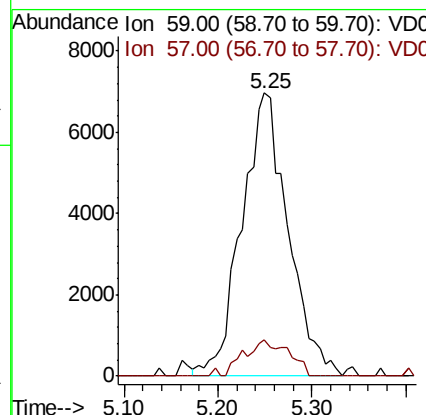
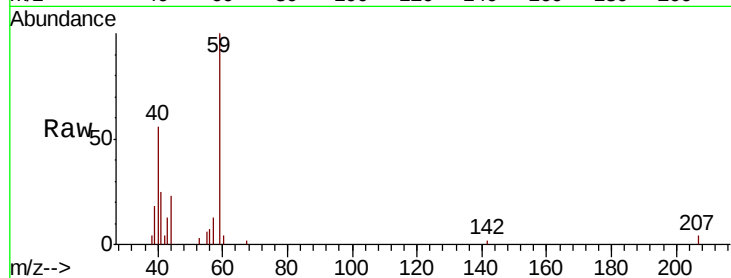
Tert butyl alcohol
Concen: 96.112 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tot Ion: 59 Resp: 23807
Ion Ratio Lower Upper
59 100
57 12.2 0.0 0.0#

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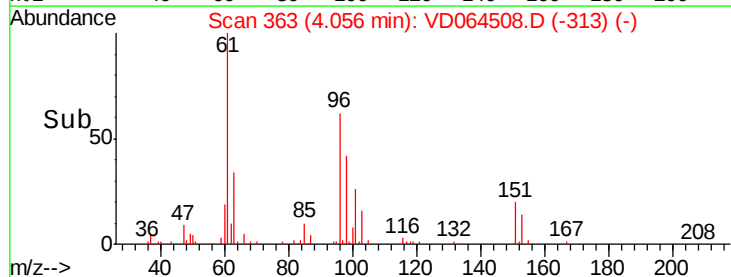
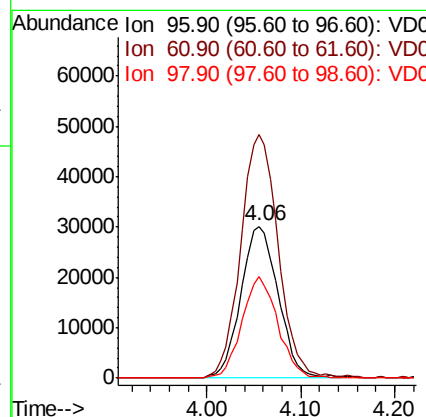
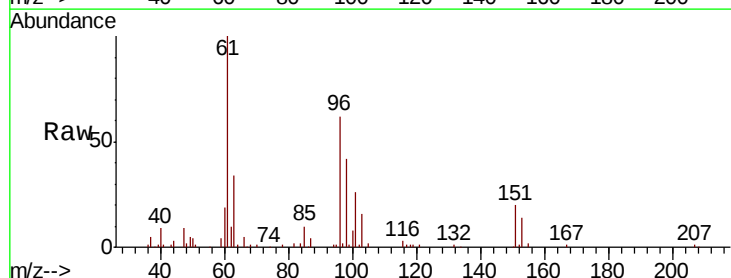
apatel
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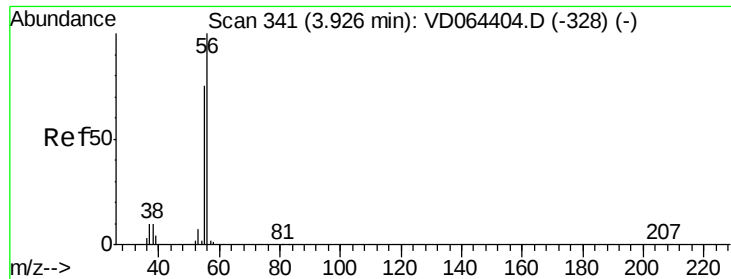


#12

1,1-Dichloroethene
Concen: 21.475 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion: 96 Resp: 83214
Ion Ratio Lower Upper
96 100
61 160.5 128.2 192.4
98 67.3 50.4 75.6





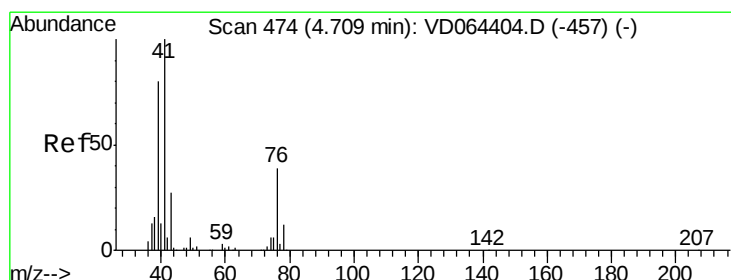
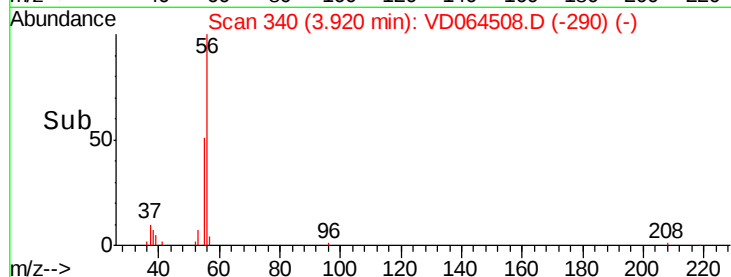
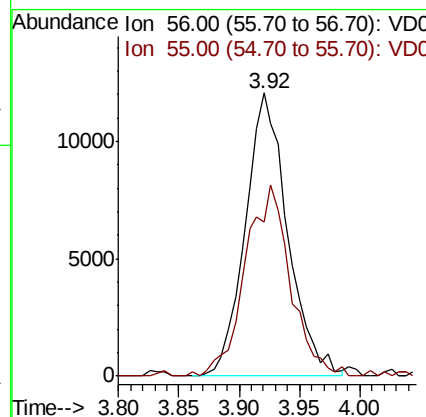
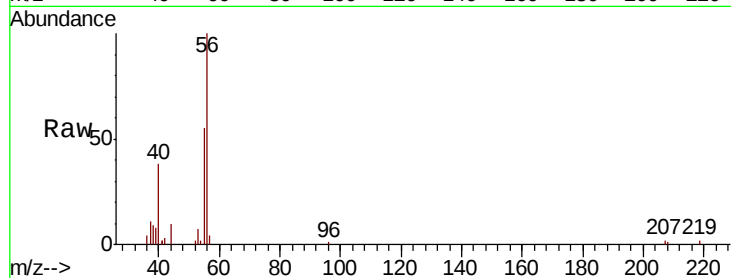
#13
Acrolein
Concen: 87.095 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.9	56.9	85.3

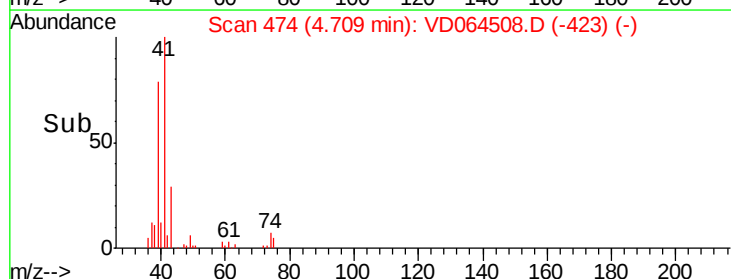
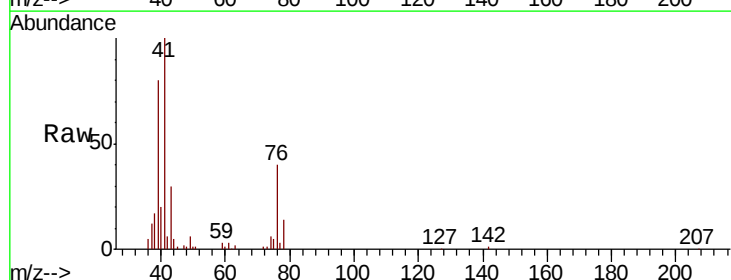
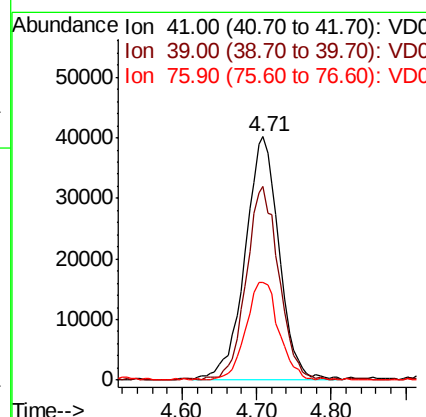
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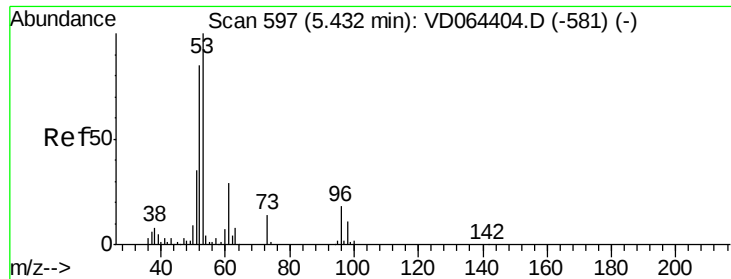
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#14
Allyl chloride
Concen: 21.048 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion	Ratio	Lower	Upper
41	100		
39	76.2	62.1	93.1
76	39.1	29.8	44.8





#15

Acrylonitrile

Concen: 105.720 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

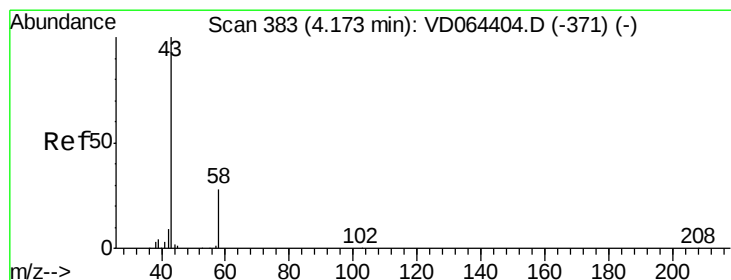
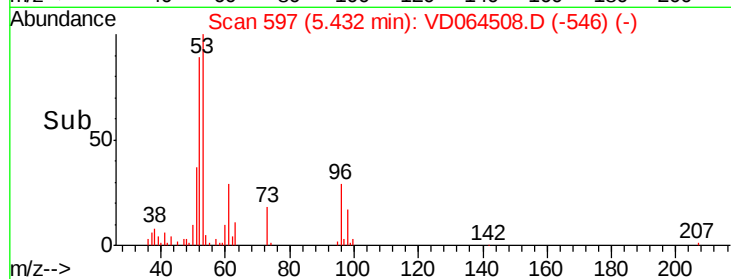
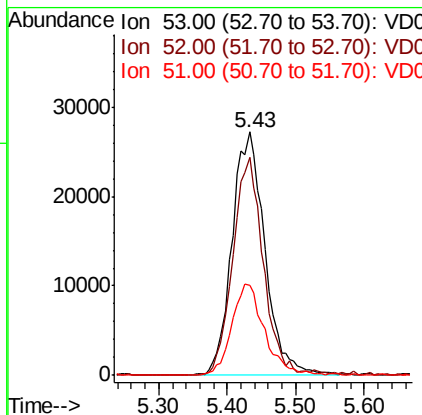
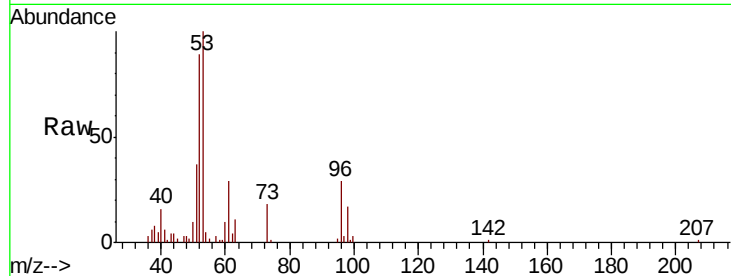
ClientSampleId :

VD1213SBS01

Tot Ion:	53	Resp:	90596
Ion Ratio	Lower	Upper	
53	100		
52	82.7	67.9	101.9
51	37.3	30.6	45.8

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#16

Acetone

Concen: 105.520 ug/l

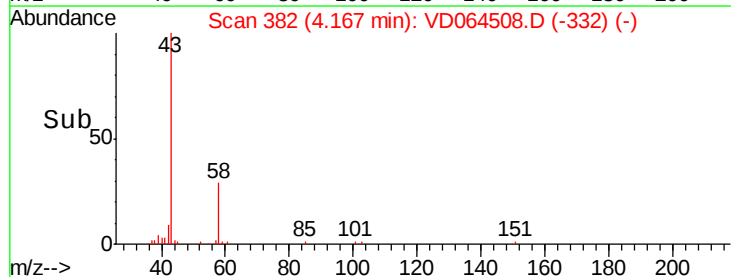
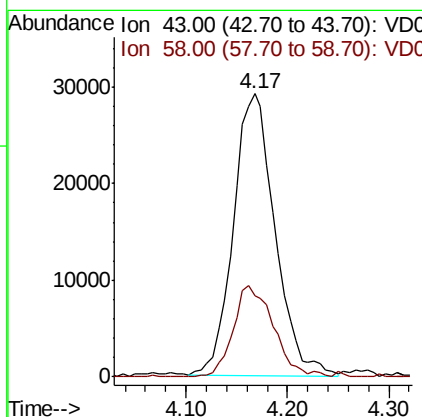
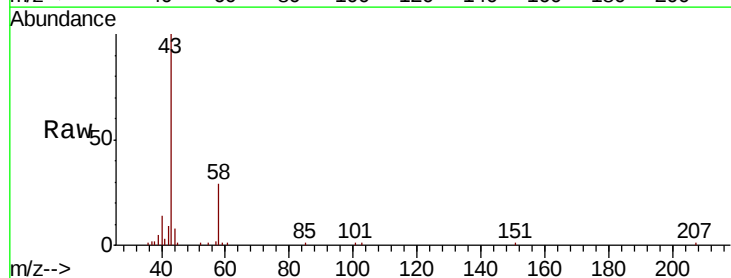
RT: 4.17 min Scan# 382

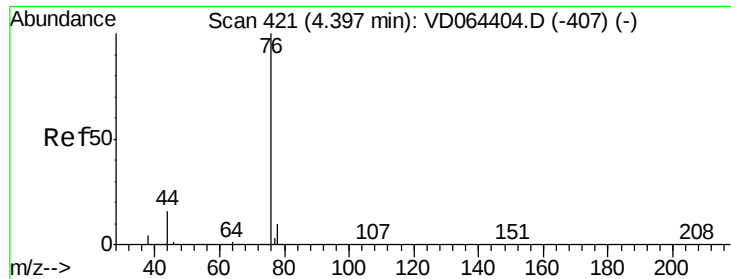
Delta R.T. -0.01 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Tgt Ion:	43	Resp:	82976
Ion Ratio	Lower	Upper	
43	100		
58	28.9	22.6	33.8





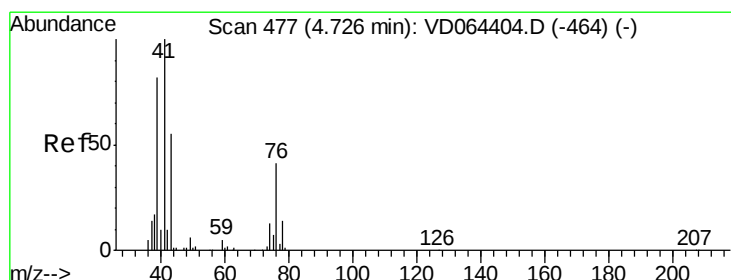
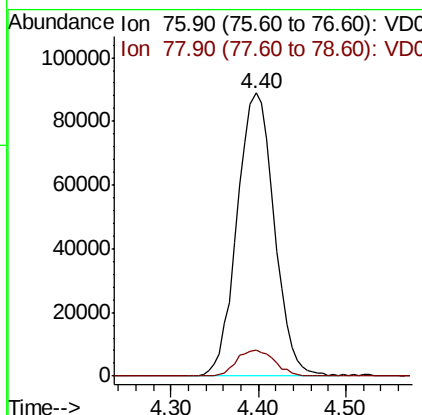
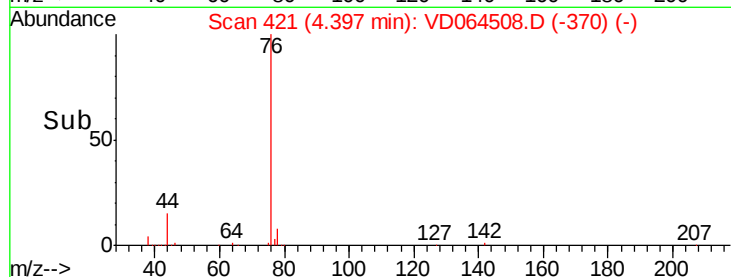
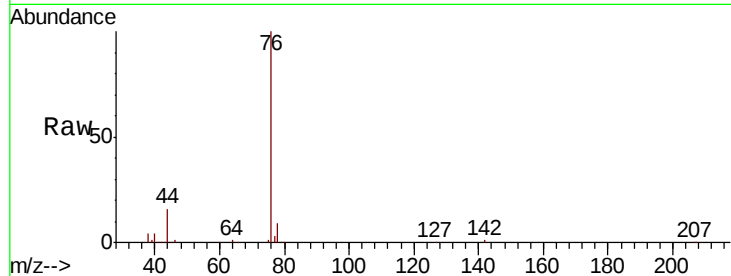
#17
Carbon Disulfide
Concen: 20.909 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.8	11.8

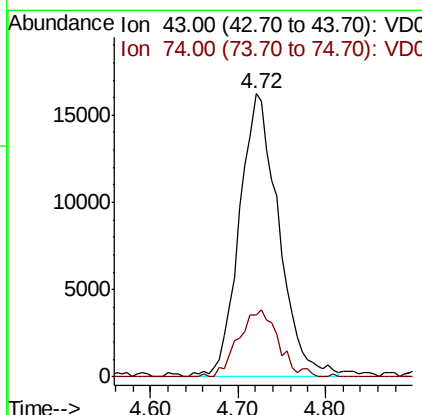
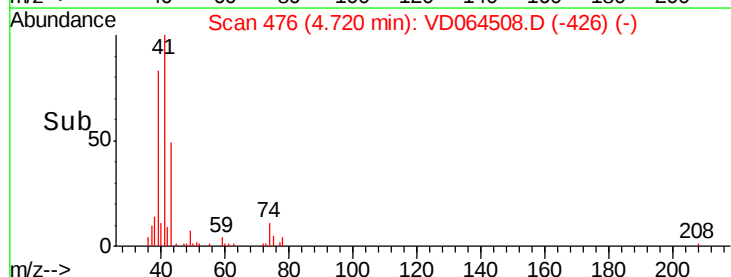
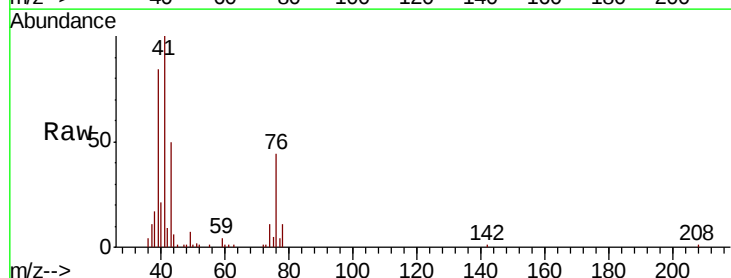
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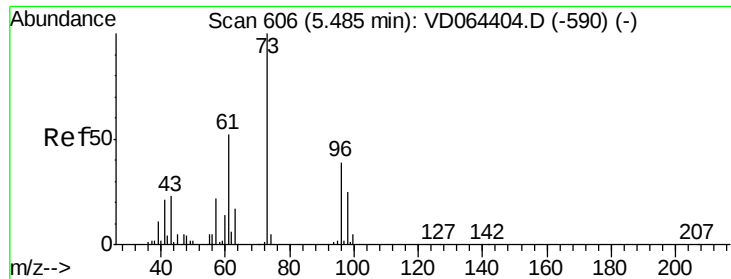
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#18
Methyl Acetate
Concen: 21.572 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.7	29.5





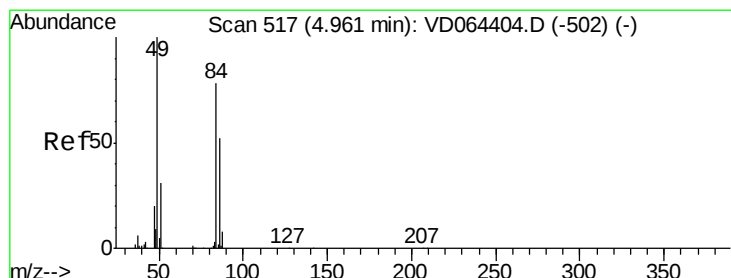
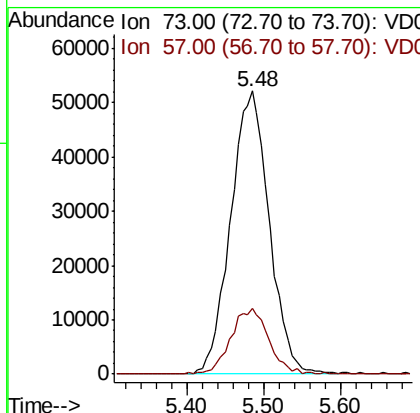
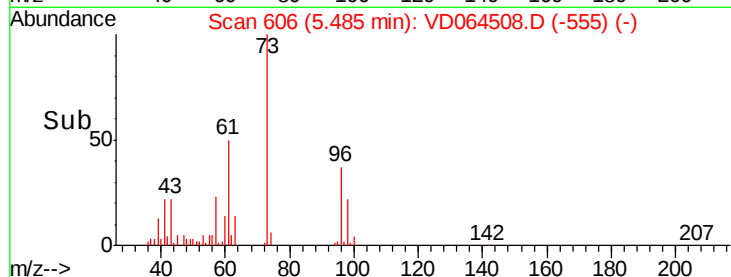
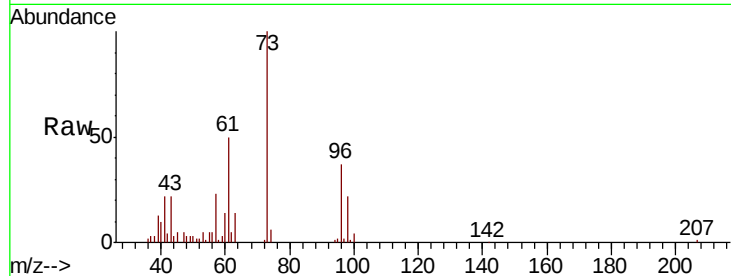
#19
Methvl tert-butvl Ether
Concen: 20.488 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tot Ion: 73 Resp: 182112
Ion Ratio Lower Upper
73 100
57 23.3 17.6 26.4

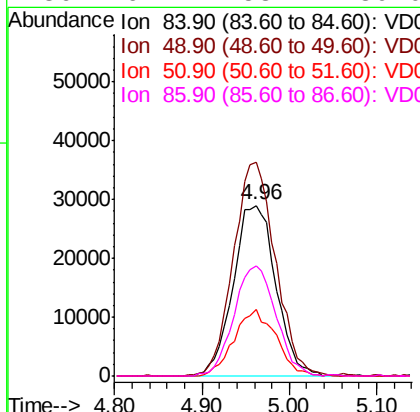
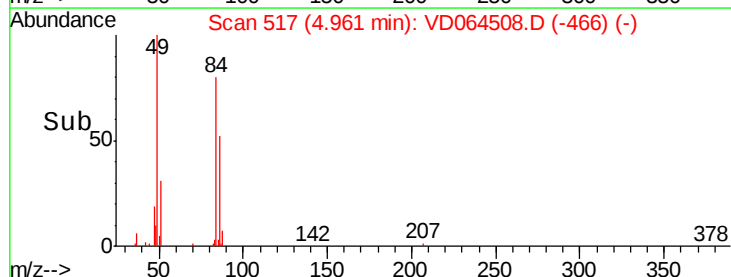
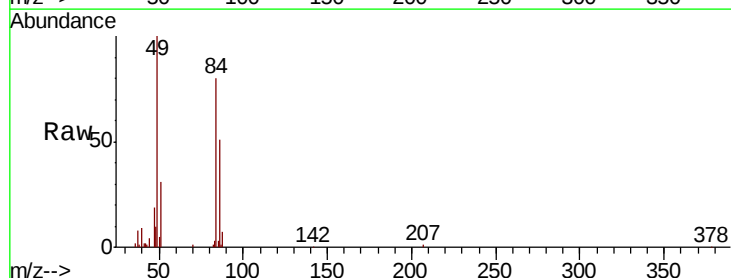
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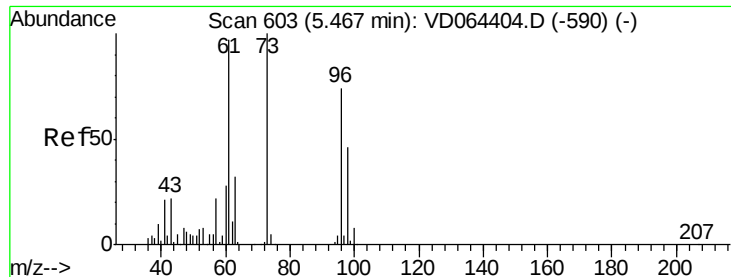
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#20
Methylene Chloride
Concen: 21.511 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion: 84 Resp: 96069
Ion Ratio Lower Upper
84 100
49 124.7 102.6 153.8
51 38.8 32.0 48.0
86 64.4 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 21.752 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

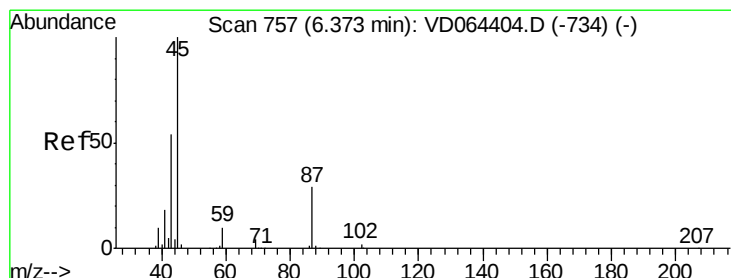
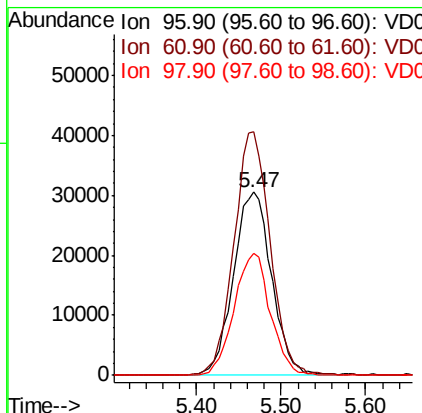
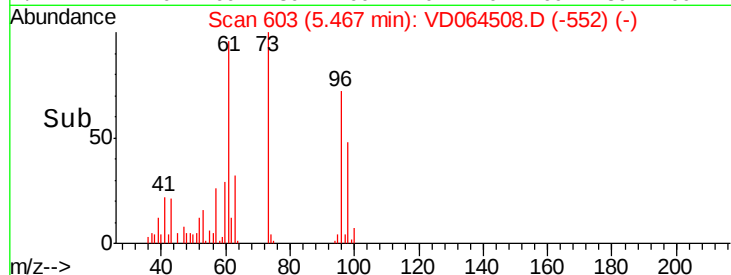
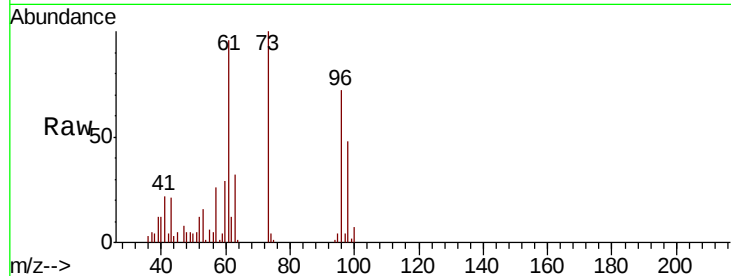
ClientSampleId :

VD1213SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.8	105.8	158.6
98	66.5	50.1	75.1

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#22

Diisopropyl ether

Concen: 20.814 ug/l

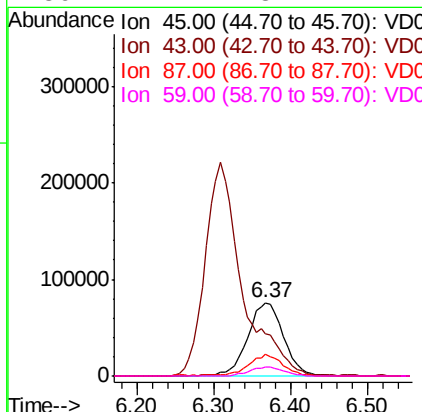
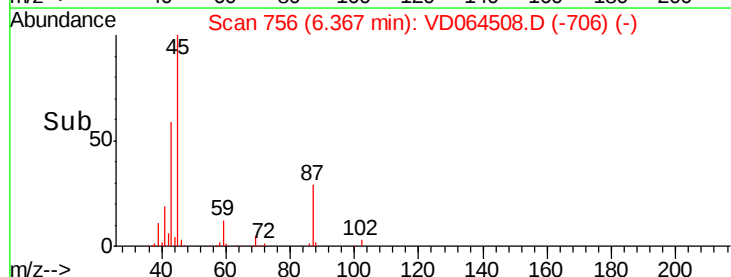
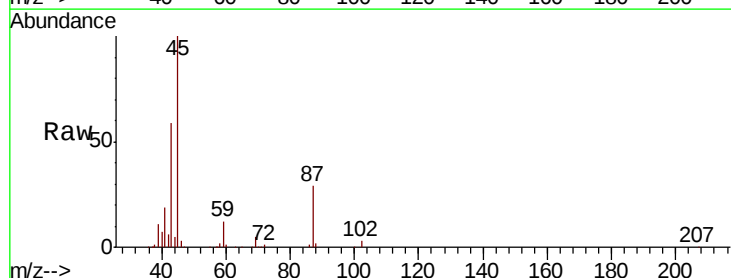
RT: 6.37 min Scan# 756

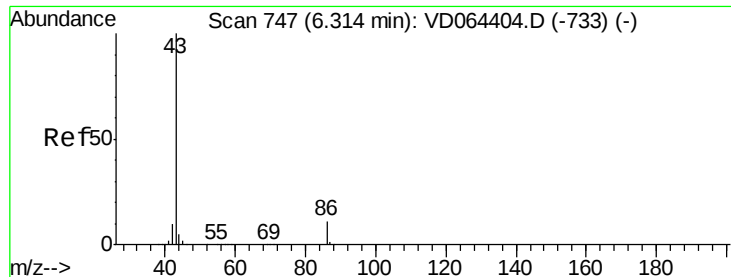
Delta R.T. -0.01 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.9	43.1	64.7
87	29.0	23.5	35.3
59	12.1	8.2	12.2





#23

Vinyl Acetate

Concen: 104.384 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

Tot Ion: 43 Resp: 734664

Ion Ratio Lower Upper

43 100

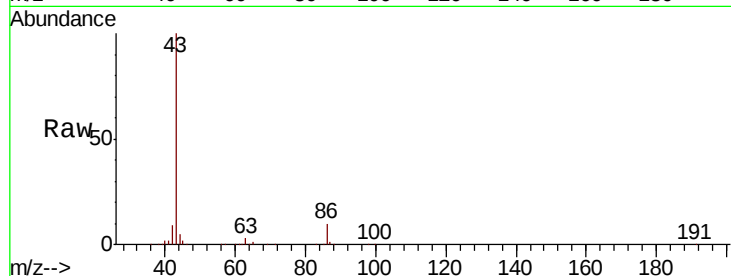
86 10.3 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

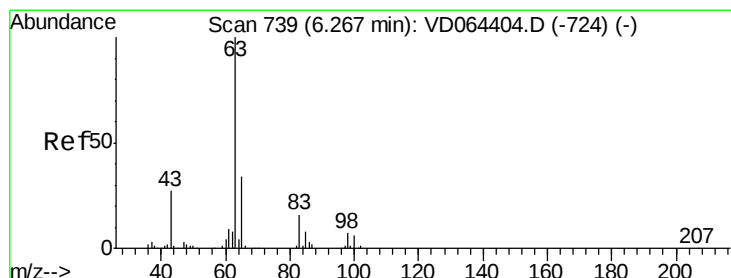
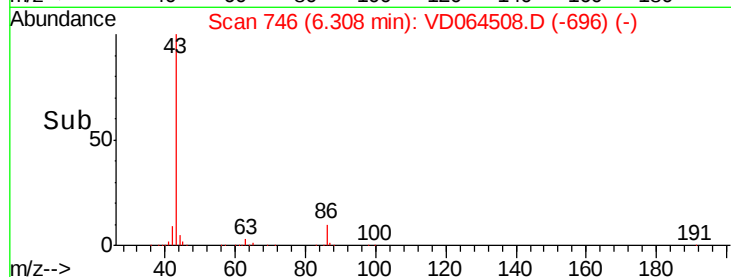
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.636 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

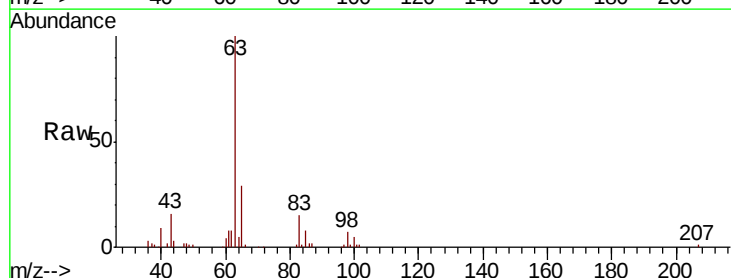
Tgt Ion: 63 Resp: 155339

Ion Ratio Lower Upper

63 100

98 6.8 3.6 10.9

100 5.0 2.9 8.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

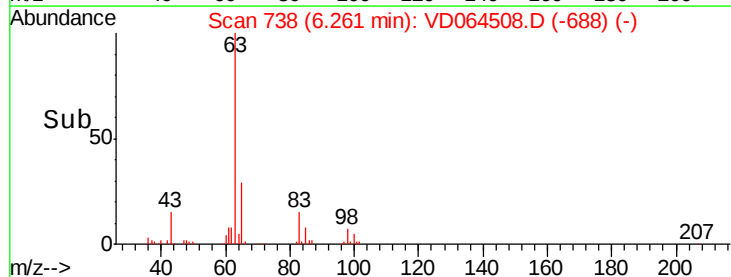
60000

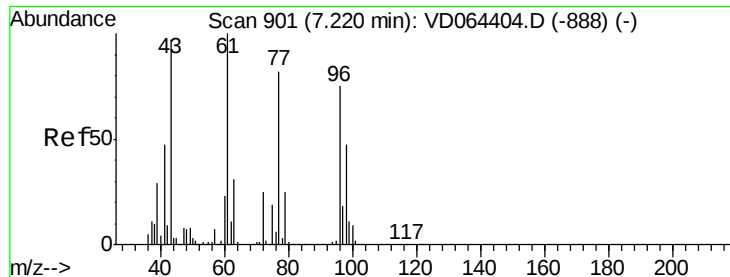
40000

20000

0

Time-->





#25

2-Butanone

Concen: 103.146 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

Tot Ion: 43 Resp: 114706

Ion Ratio Lower Upper

43 100

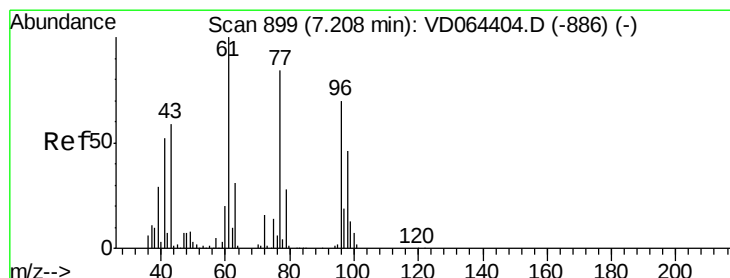
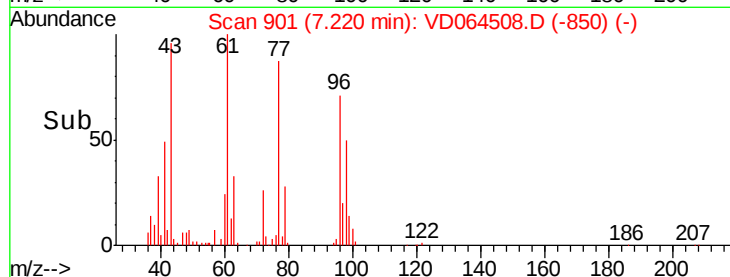
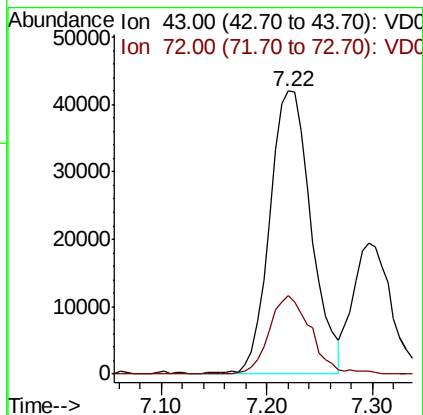
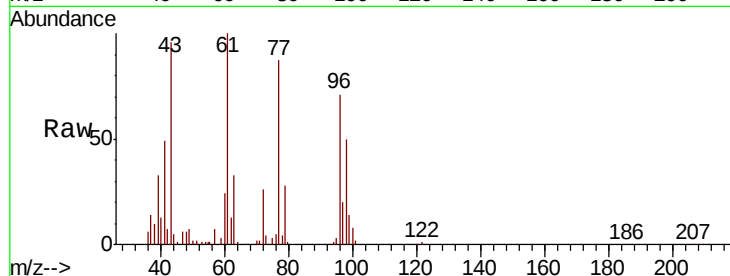
72 27.7 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 21.664 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD064508.D

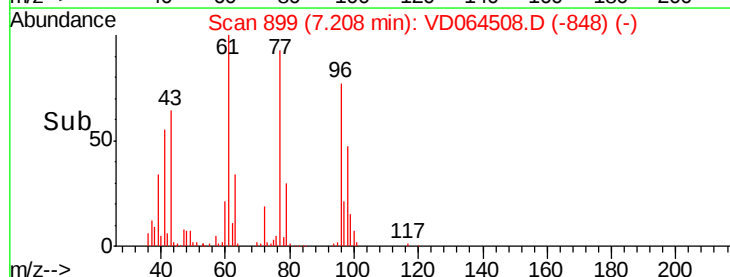
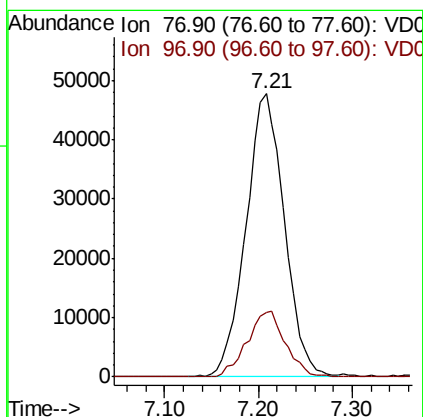
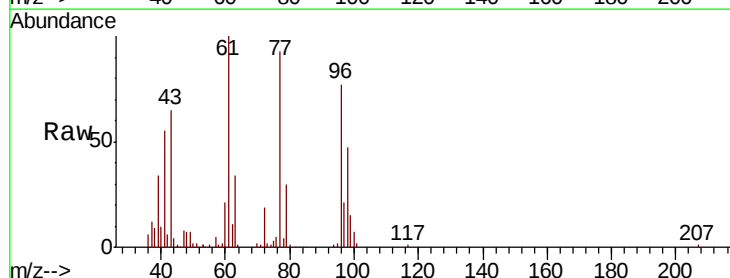
Acq: 13 Dec 2019 15:54

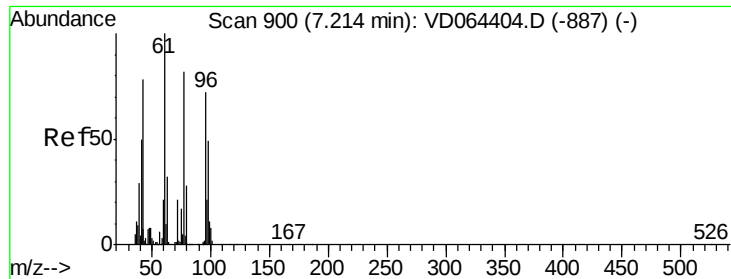
Tgt Ion: 77 Resp: 135263

Ion Ratio Lower Upper

77 100

97 23.0 11.6 34.7





#27

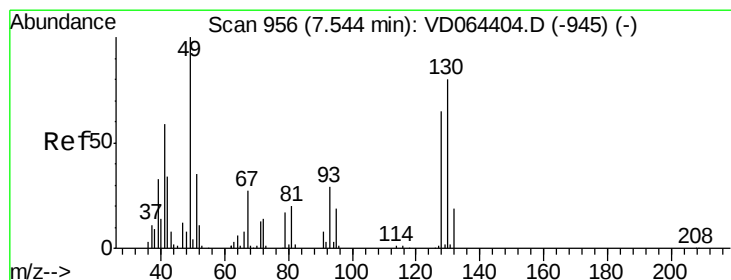
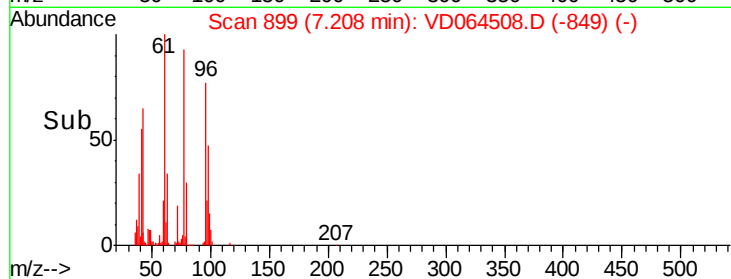
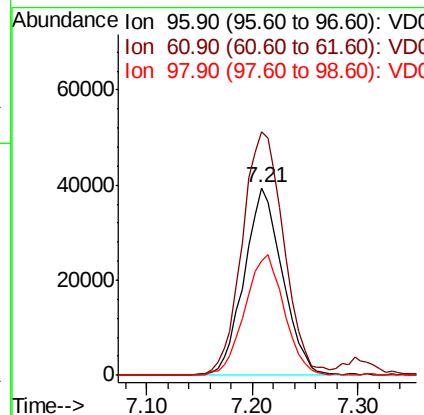
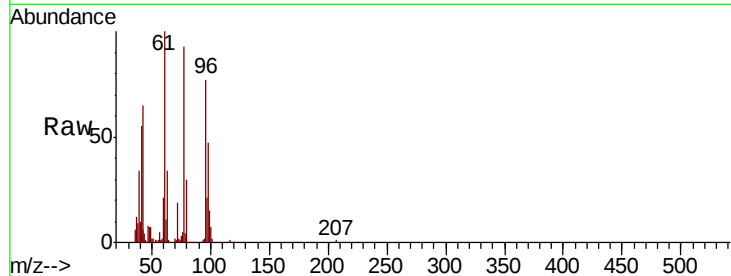
cis-1,2-Dichloroethene
Concen: 20.816 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	140.7	0.0	279.6		
98	66.1	0.0	129.2		

Manual Integrations
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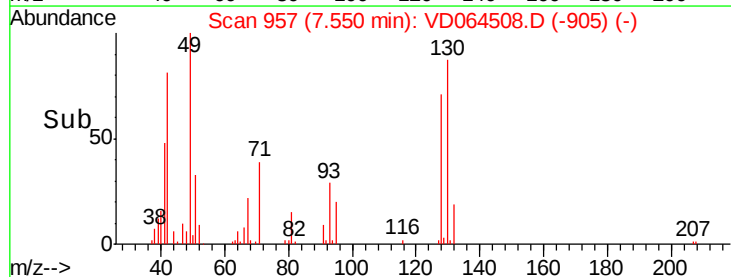
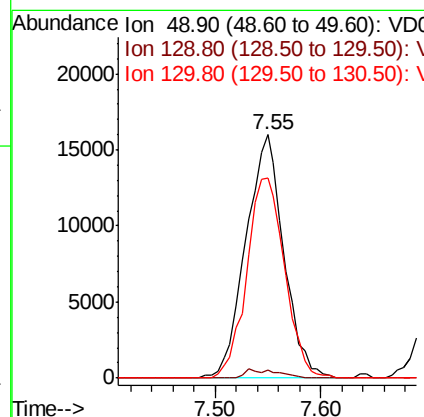
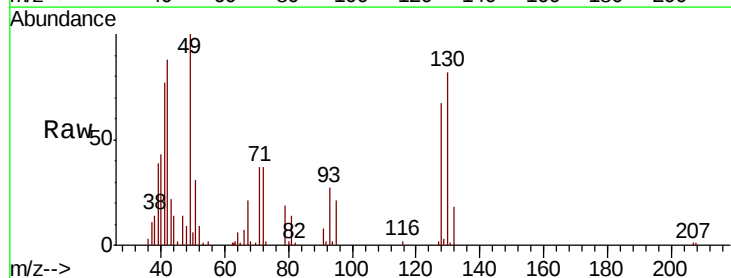
apatel
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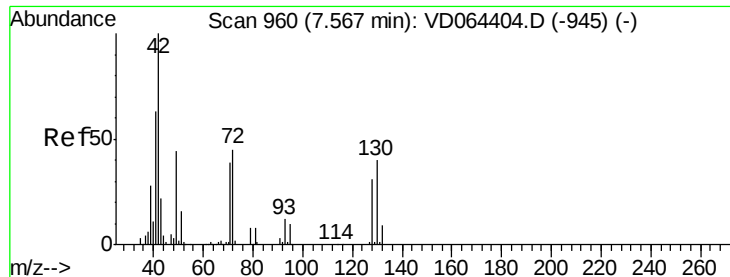


#28

Bromochloromethane
Concen: 16.241 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	1.5	0.0	4.4		
130	82.4	67.4	101.0		





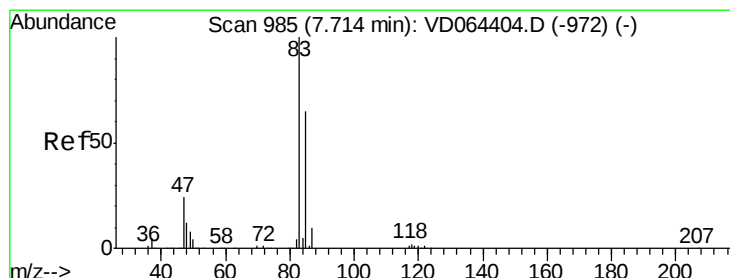
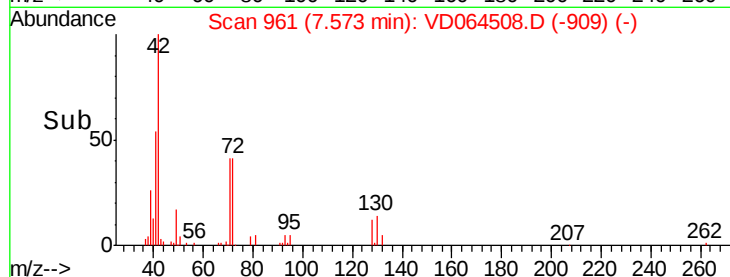
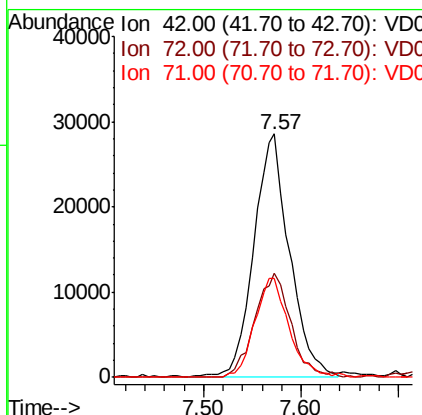
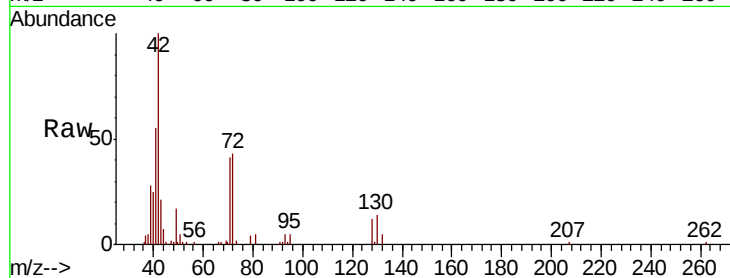
#29
Tetrahydrofuran
Concen: 103.946 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	35.8	53.8
71	39.3	32.7	49.1

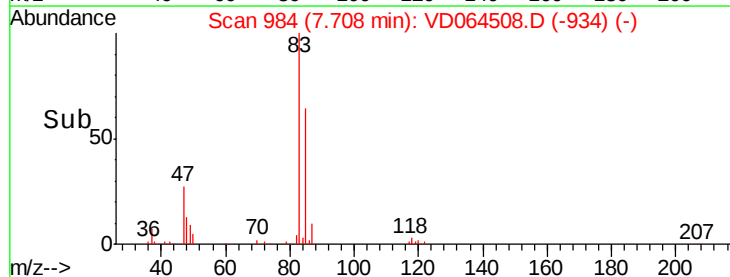
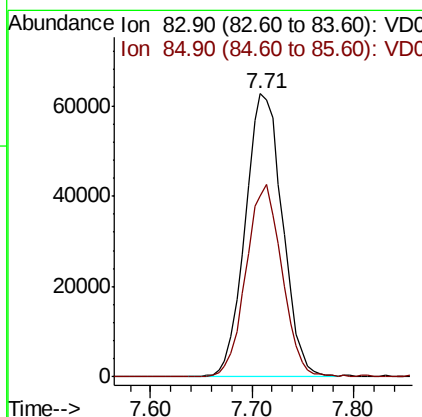
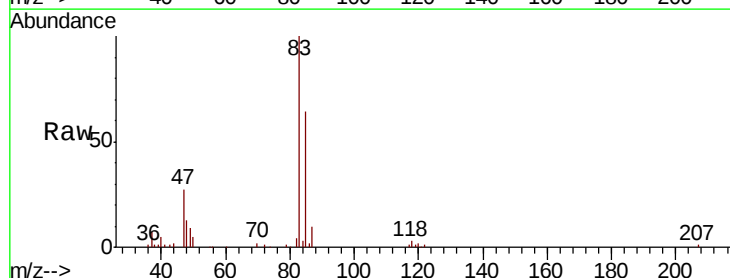
Manual Integrations
APPROVED

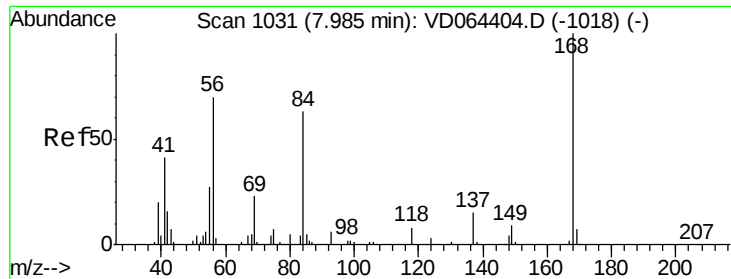
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#30
Chloroform
Concen: 21.509 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.8	77.6





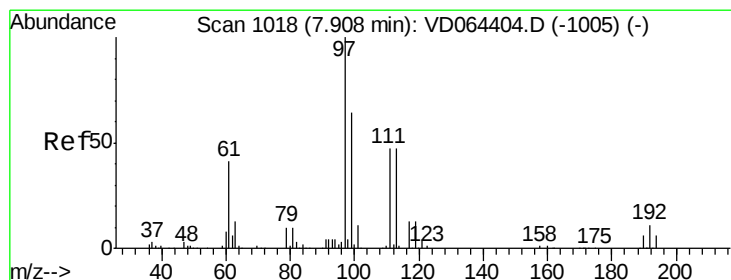
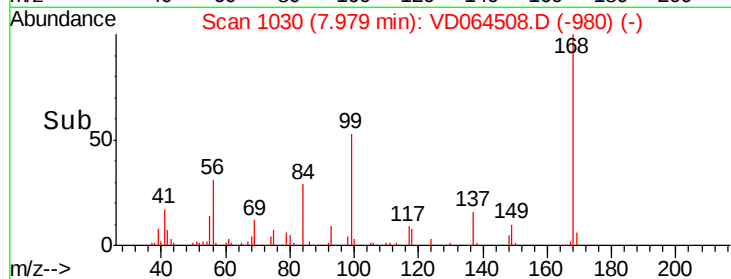
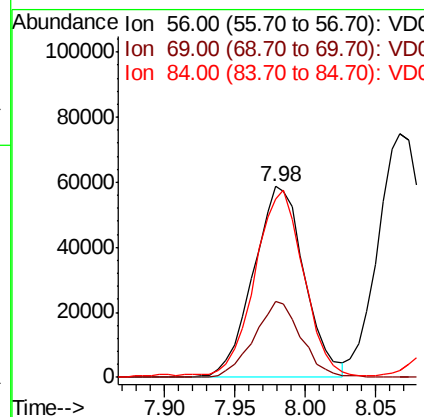
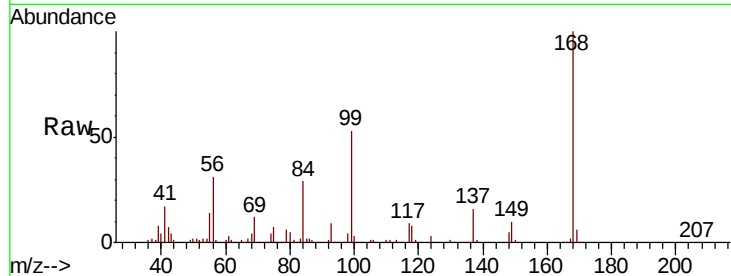
#31
Cyclohexane
Concen: 21.114 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tot Ion: 56 Resp: 148960
Ion Ratio Lower Upper
56 100
69 39.4 26.2 39.4#
84 92.3 70.3 105.5

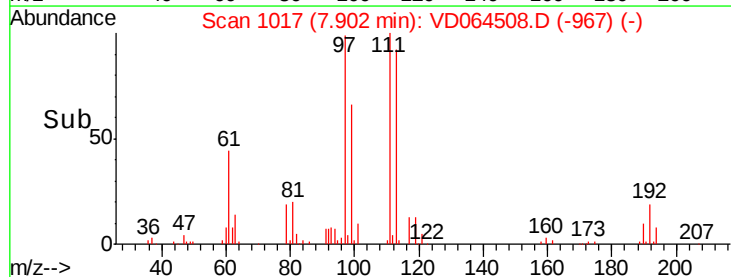
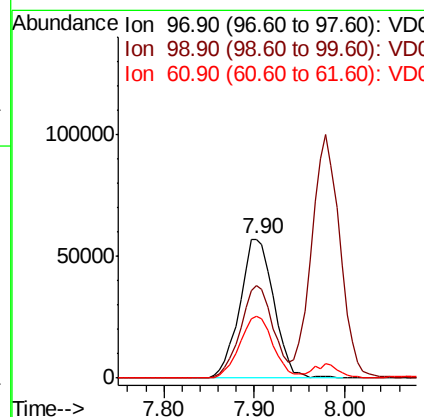
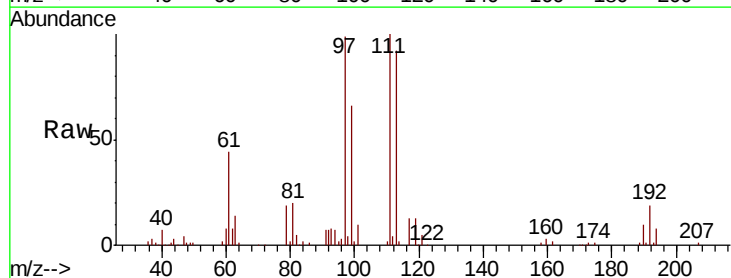
Manual Integrations
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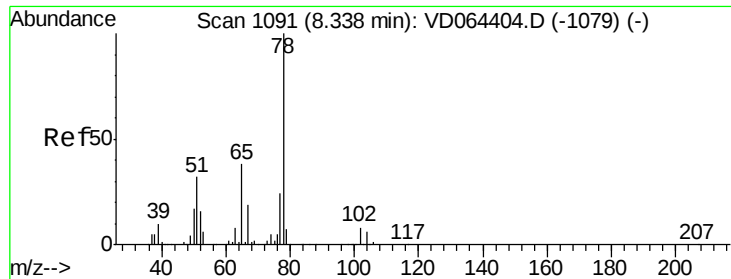
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#32
1,1,1-Trichloroethane
Concen: 21.645 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion: 97 Resp: 149211
Ion Ratio Lower Upper
97 100
99 63.7 51.4 77.2
61 43.5 35.0 52.4





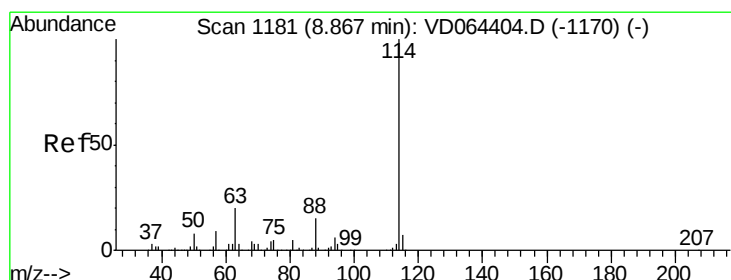
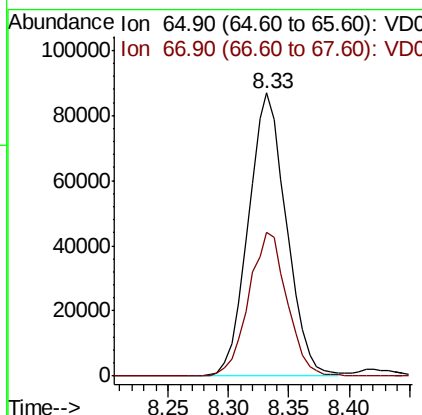
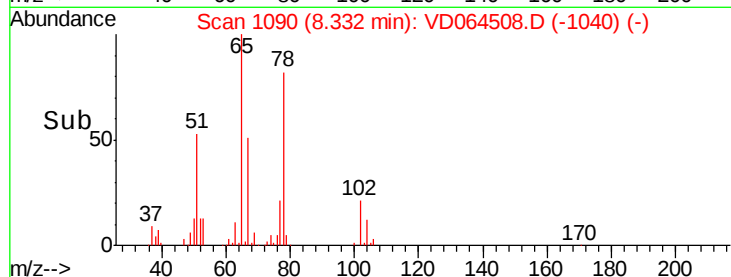
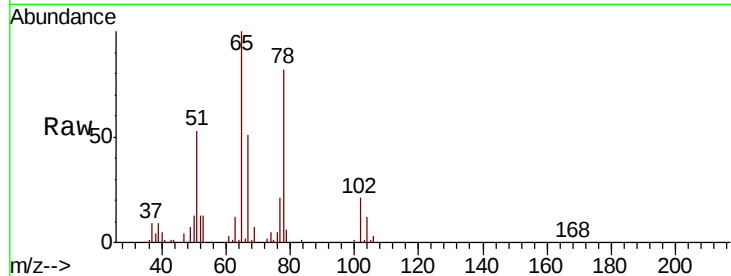
#33
 1,2-Dichloroethane-d4
 Concen: 48.940 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	190439		
67	51.0	0.0	102.0	

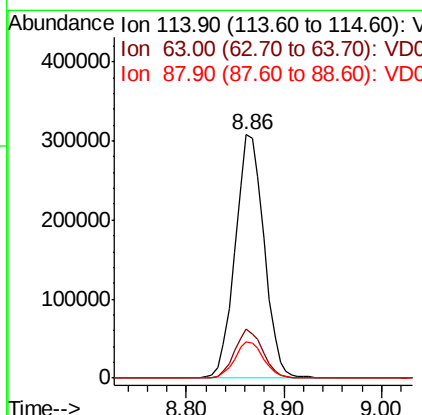
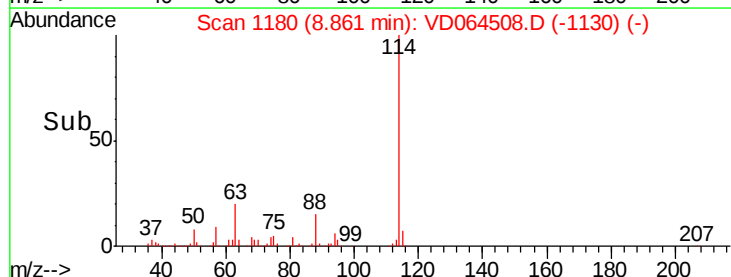
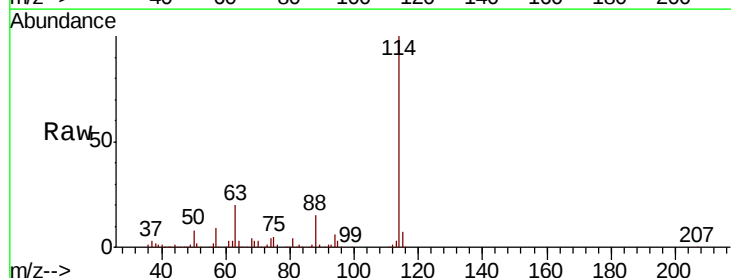
Manual Integrations
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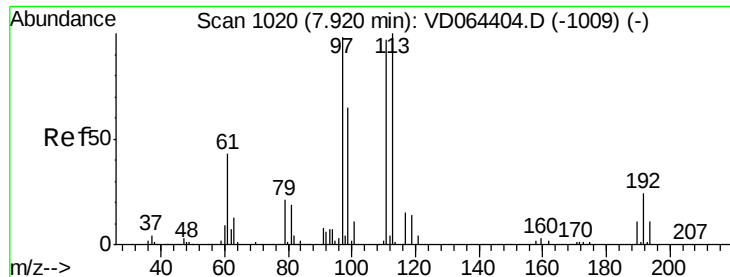
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	630944		
63	19.9	0.0	40.0	
88	15.0	0.0	29.2	





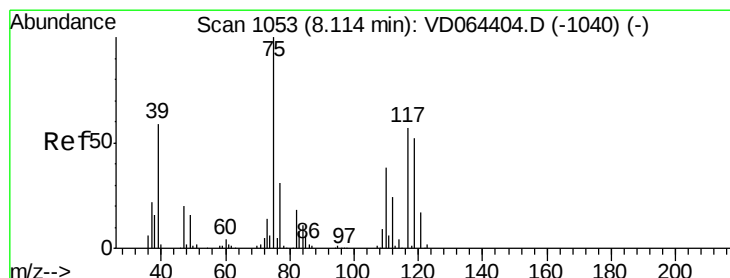
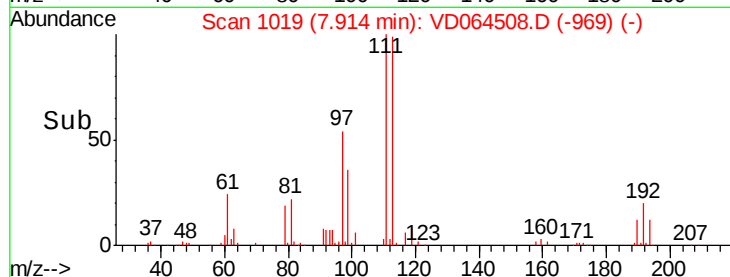
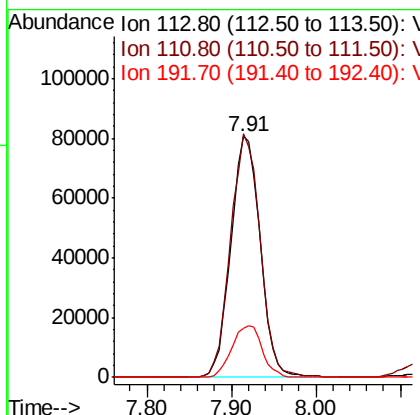
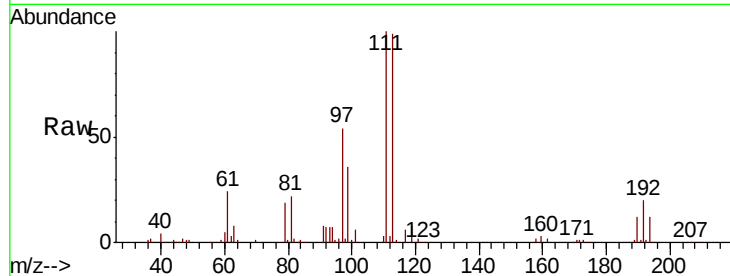
#35
 Dibromofluoromethane
 Concen: 48.481 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	192724		
111	102.0	79.4	119.2	
192	22.2	18.6	28.0	

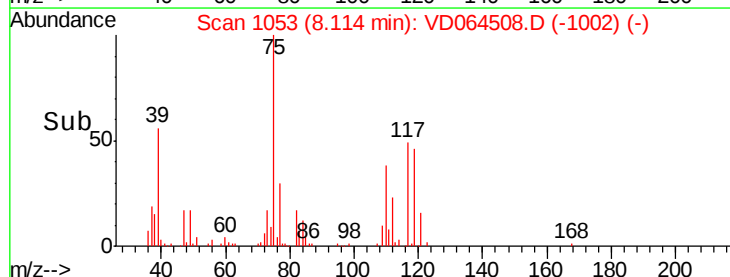
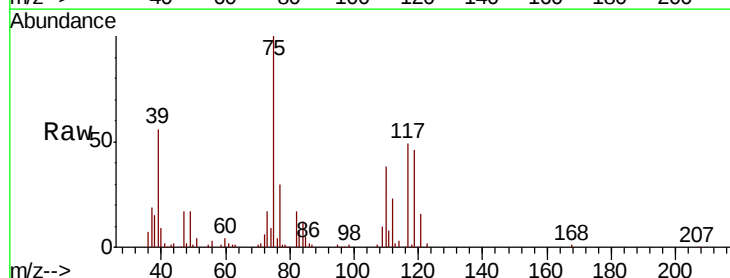
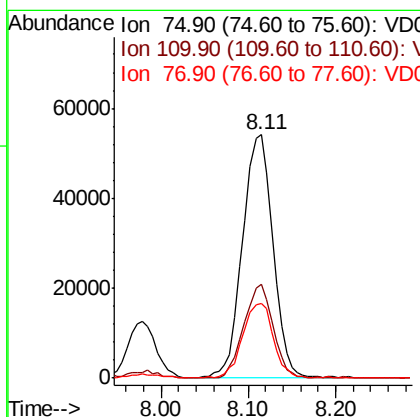
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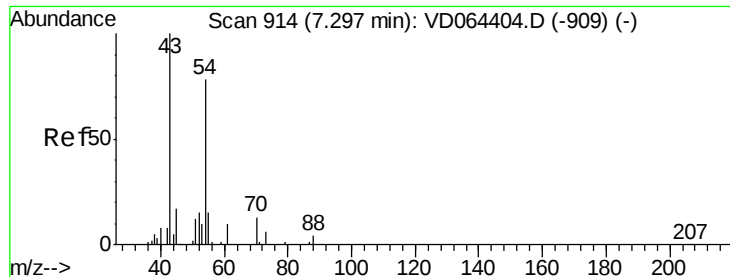
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#36
 1,1-Dichloropropene
 Concen: 21.484 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	128212		
110	36.7	18.6	55.8	
77	31.0	25.0	37.4	





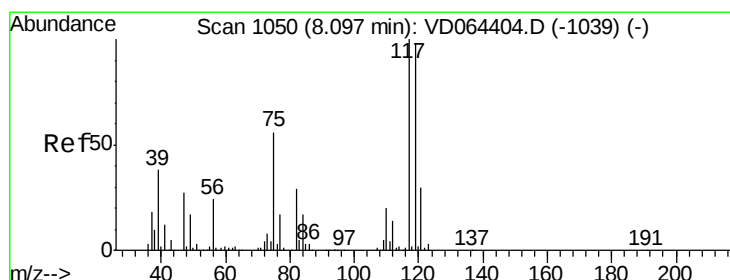
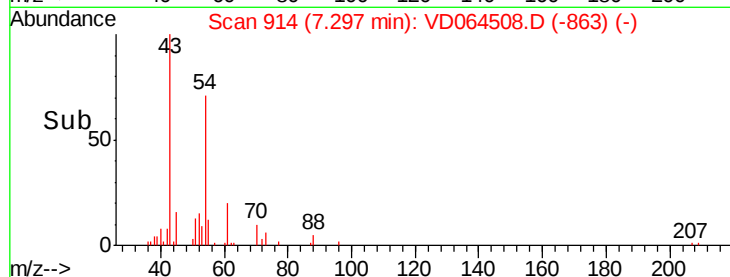
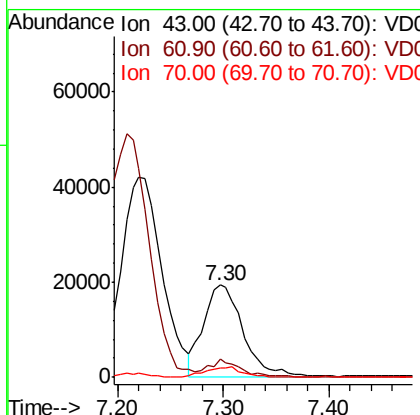
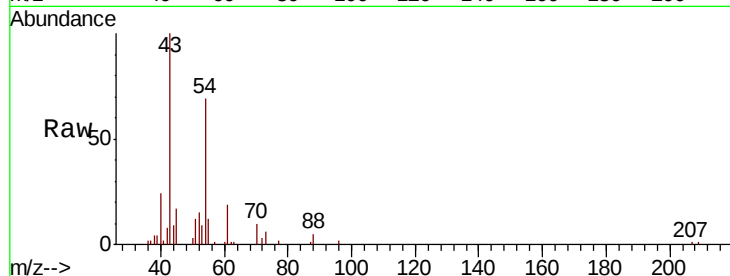
#37
Ethyl Acetate
Concen: 19.762 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.0	10.9	16.3#
70	10.4	8.3	12.5

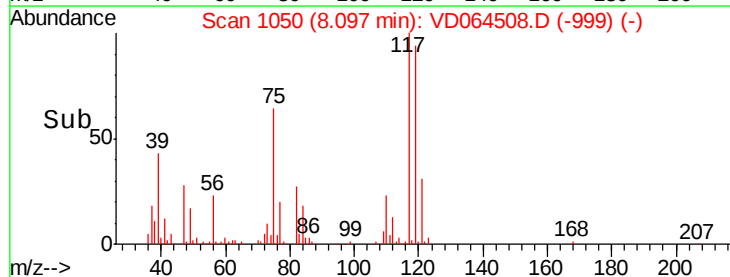
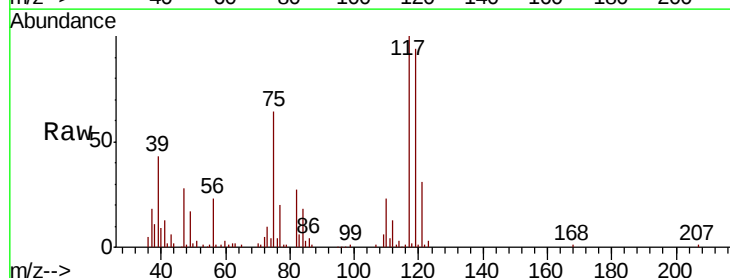
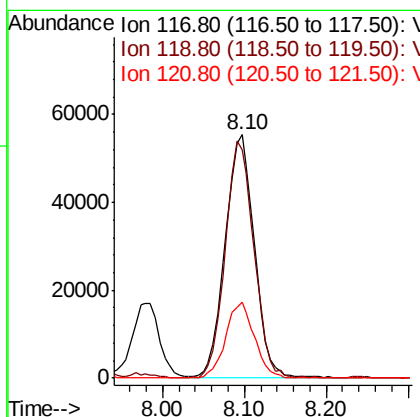
Manual Integrations
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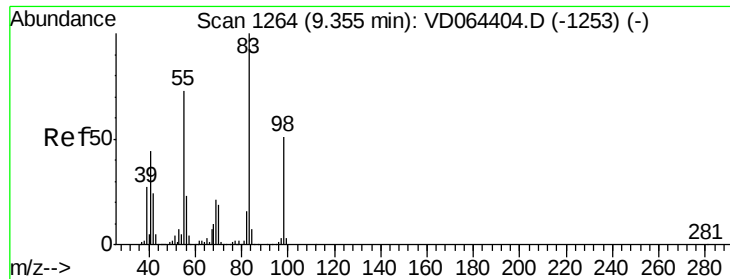
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#38
Carbon Tetrachloride
Concen: 21.917 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	78.8	118.2
121	31.1	24.2	36.2





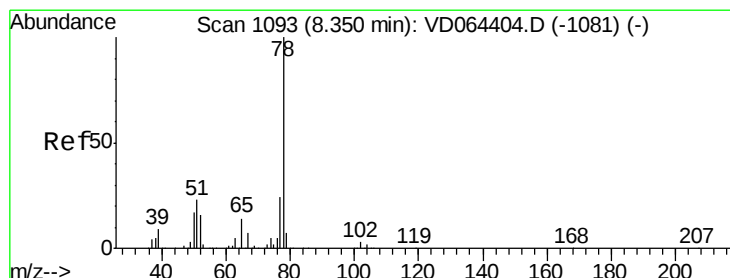
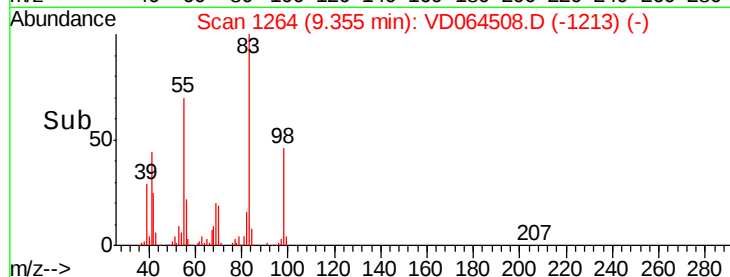
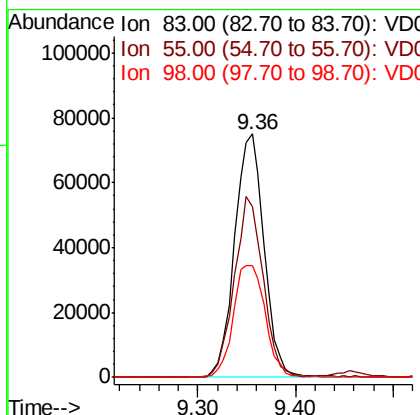
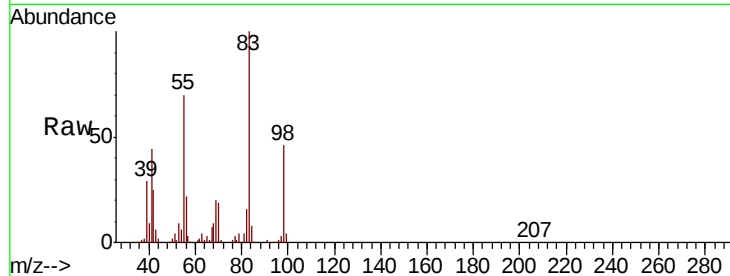
#39
Methvlcvclohexane
Concen: 21.335 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.0	58.6	87.8
98	46.1	40.9	61.3

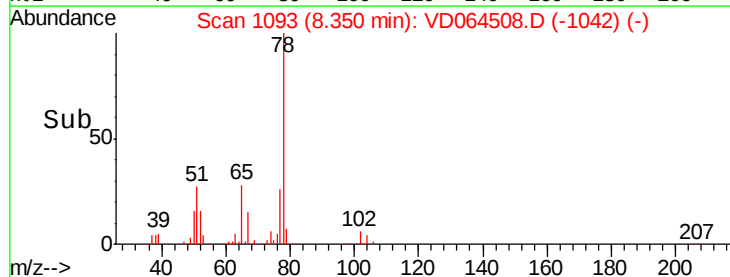
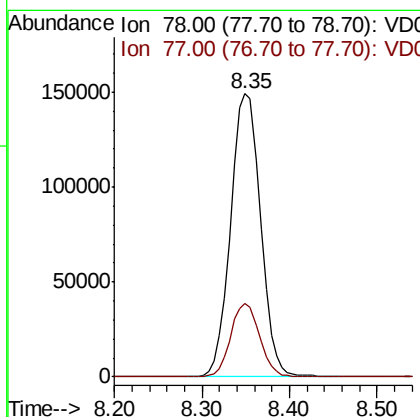
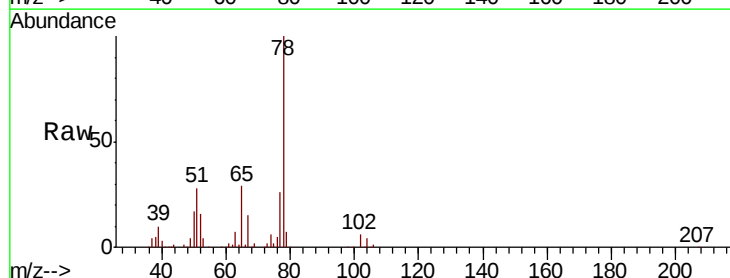
Manual Integrations
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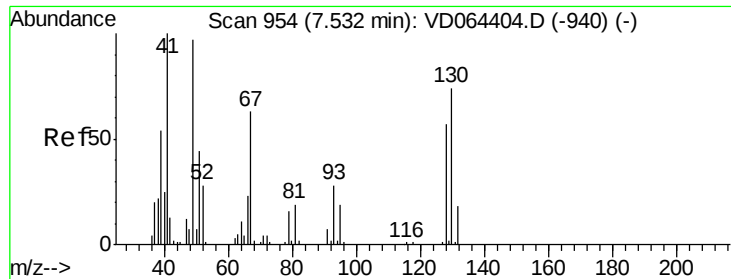
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#40
Benzene
Concen: 20.894 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.8	19.6	29.4





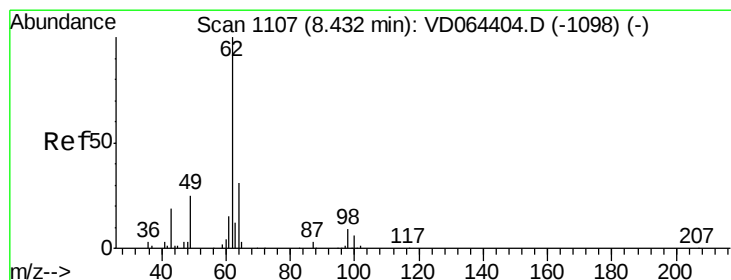
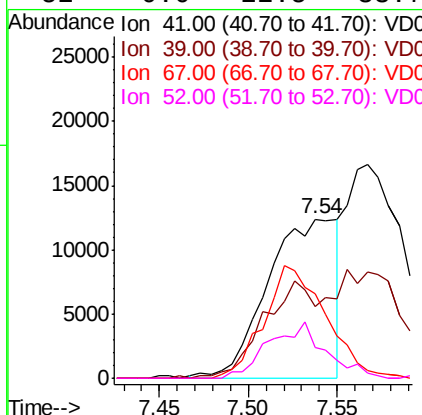
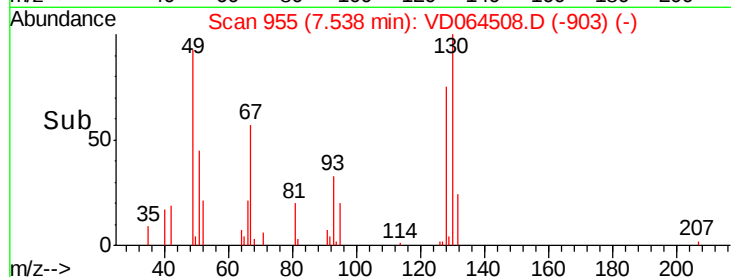
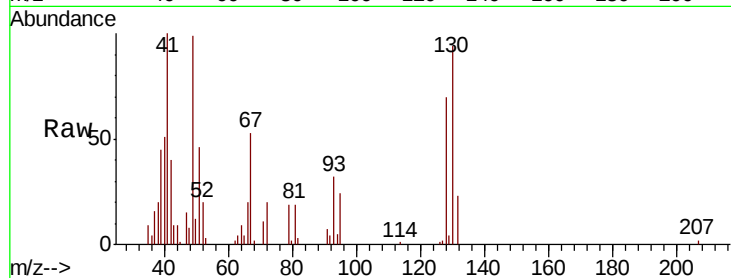
#41
Methacrylonitrile
Concen: 23.213 ug/l m
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.2	44.6	67.0
67	0.0	50.9	76.3#
52	0.0	22.5	33.7#

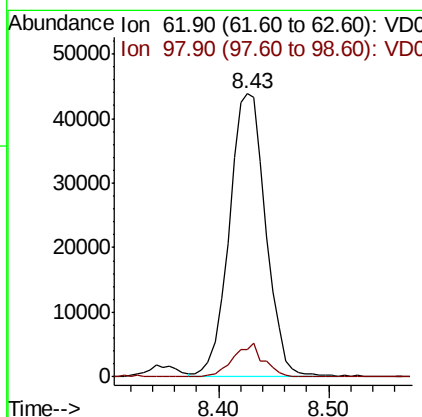
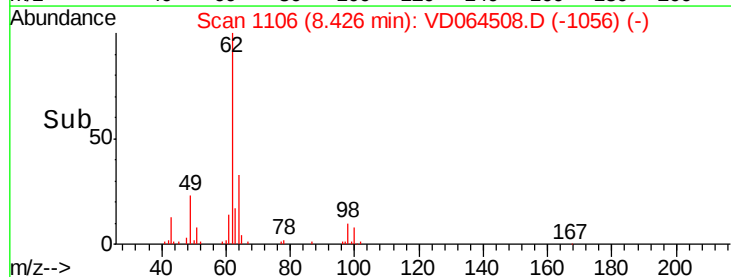
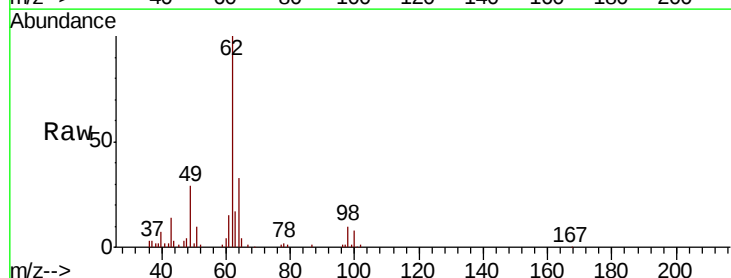
Manual Integrations
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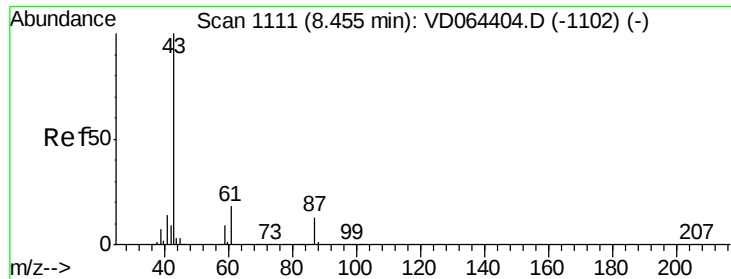
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#42
1,2-Dichloroethane
Concen: 20.985 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.6





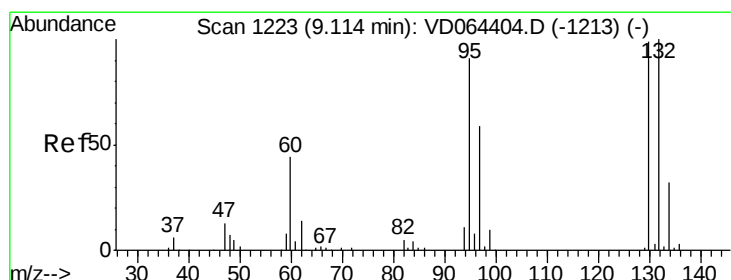
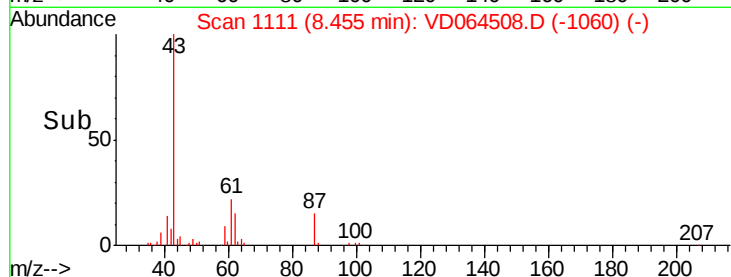
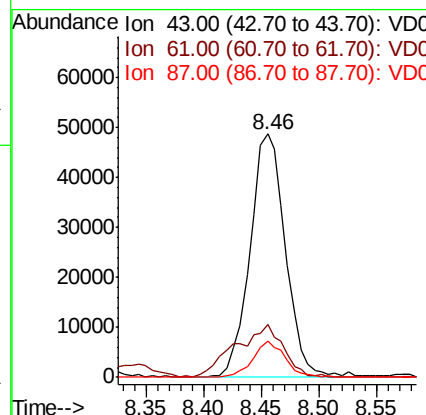
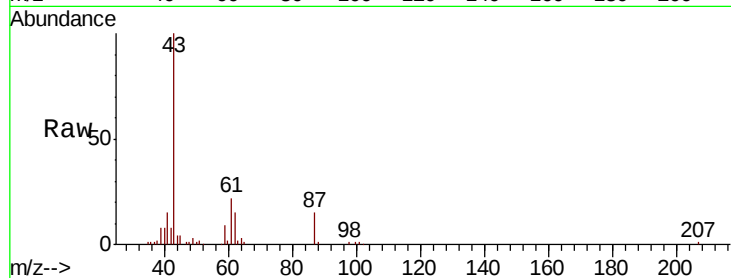
#43
Isopropyl Acetate
Concen: 20.930 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.3	24.0	36.0
87	13.3	10.6	15.8

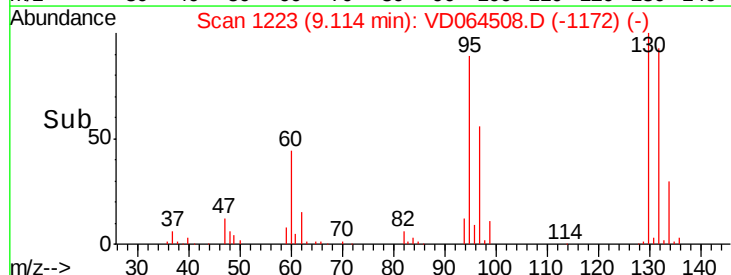
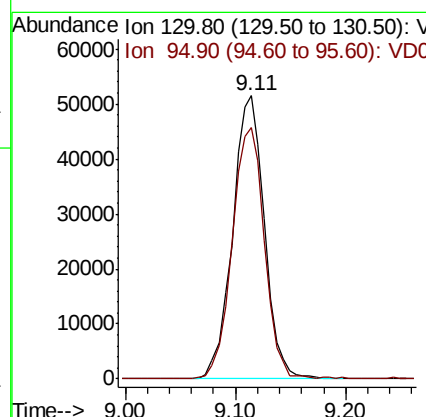
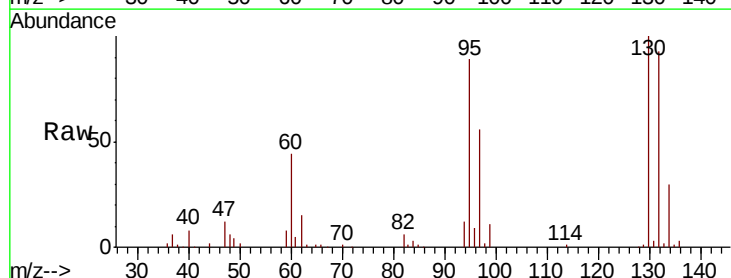
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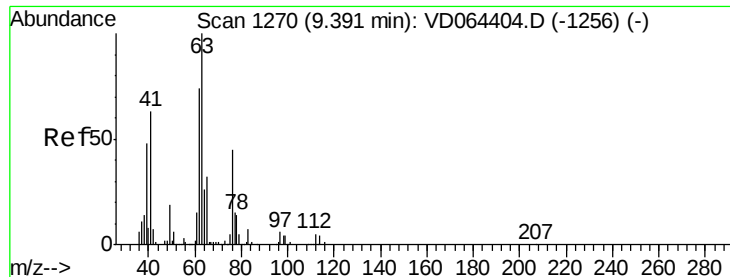
apatel
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#44
Trichloroethene
Concen: 20.760 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.7	0.0	184.6





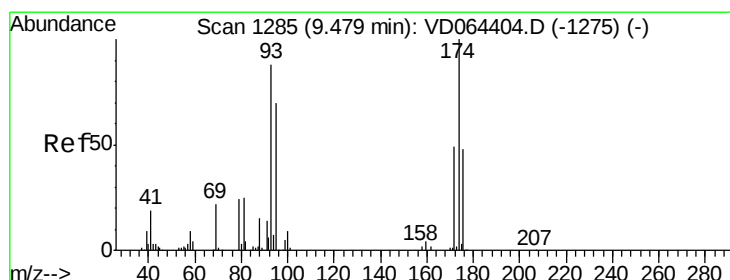
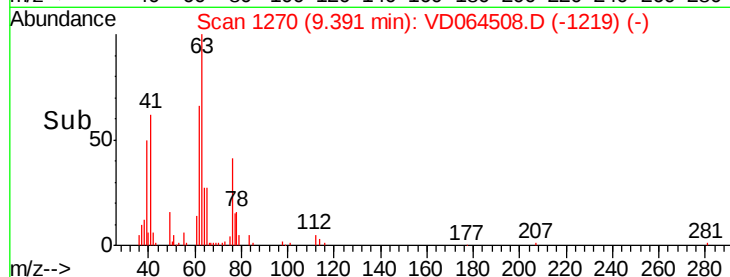
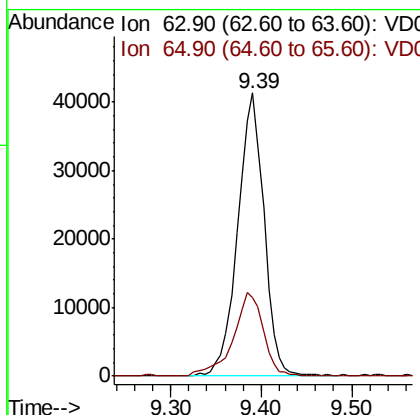
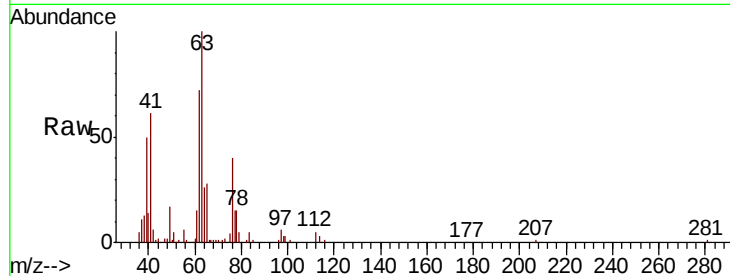
#45
 1,2-Dichloropropane
 Concen: 21.083 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	27.9	25.4	38.0

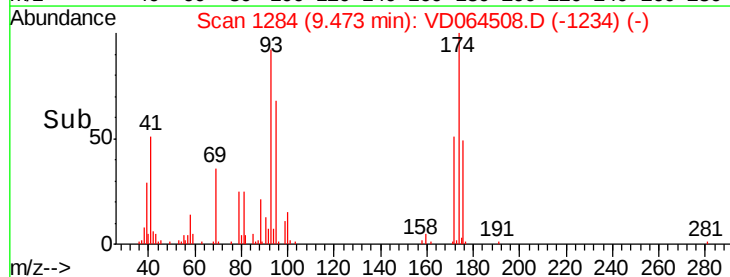
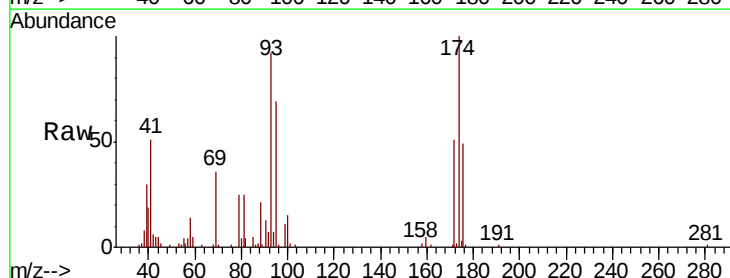
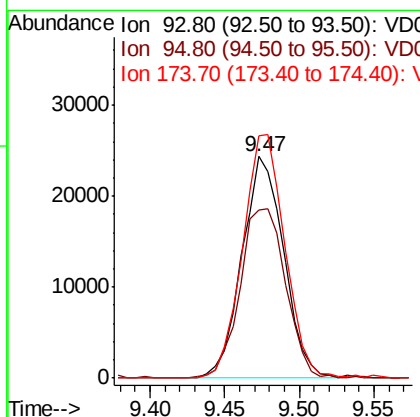
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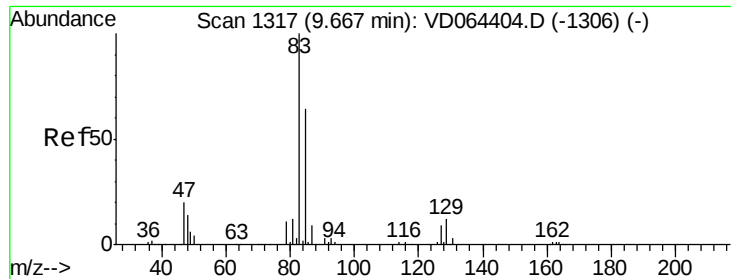
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#46
 Dibromomethane
 Concen: 21.059 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	66.7	100.1
174	111.3	92.3	138.5





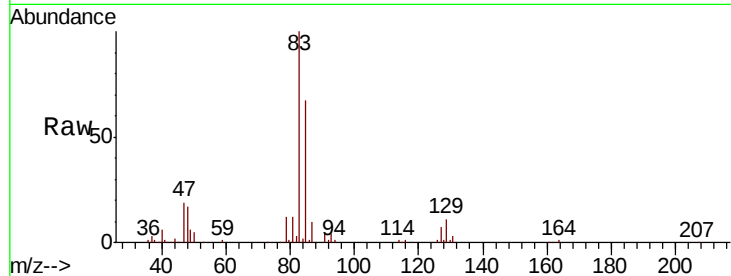
#47
Bromodichloromethane
Concen: 21.313 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

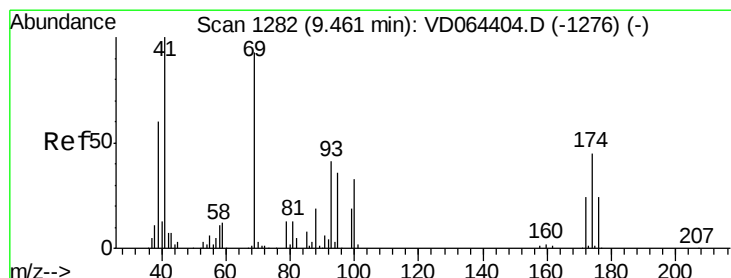
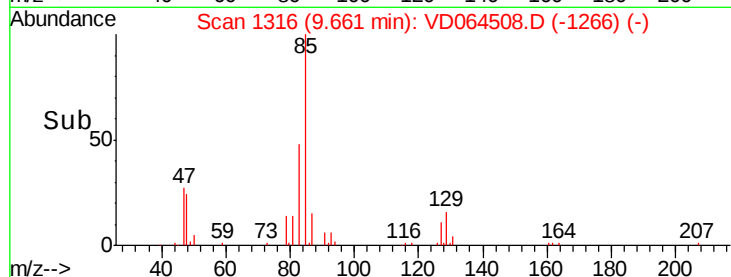
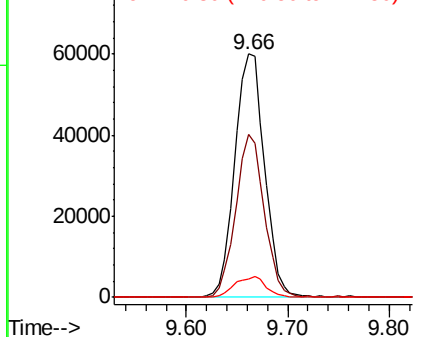
Tot Ion	Ratio	Resp	Lower	Upper
83	100	122525		
85	66.8	51.1	76.7	
127	7.3	7.4	11.0	

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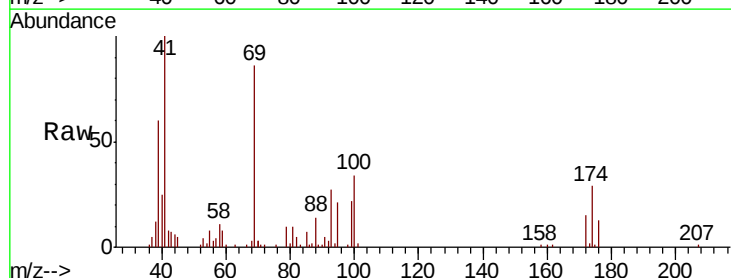


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V

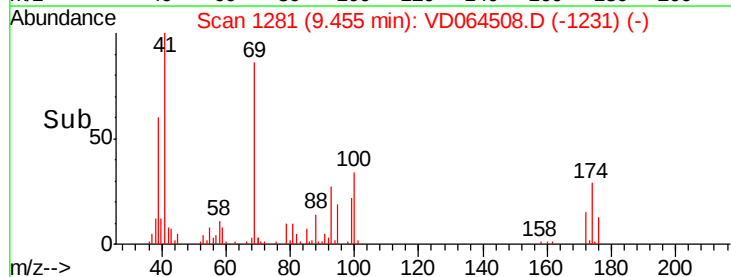
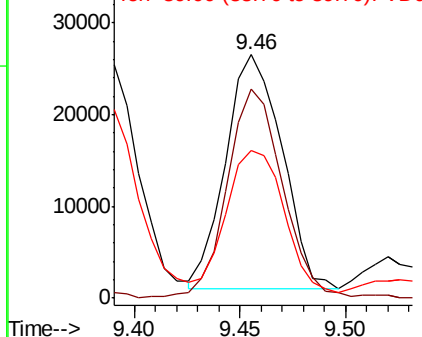


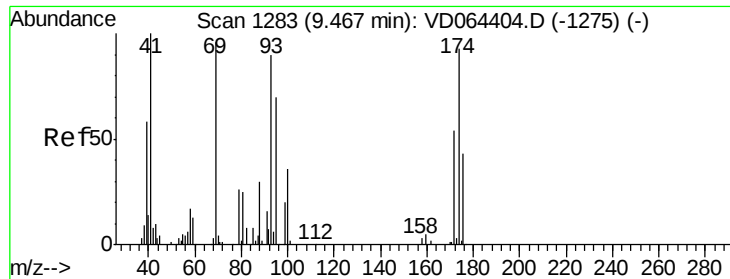
#48
Methyl methacrylate
Concen: 20.648 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	47044		
69	88.3	72.0	108.0	
39	62.1	55.2	82.8	



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





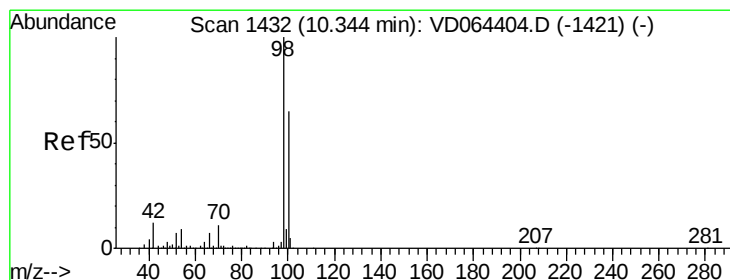
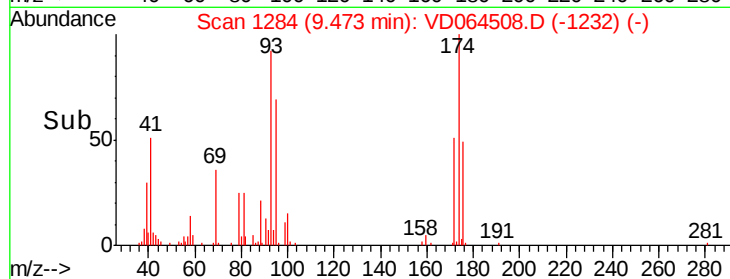
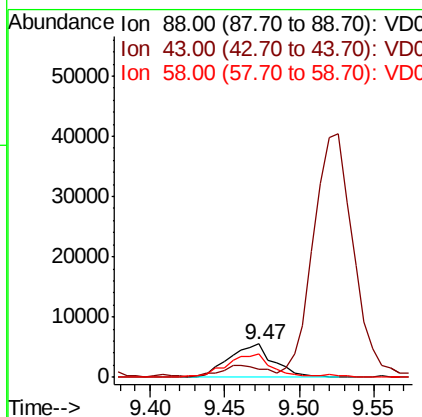
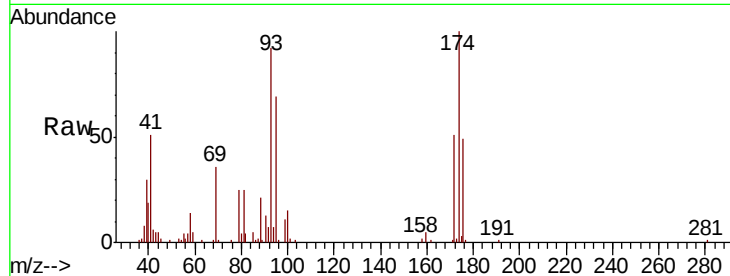
#49
1,4-Dioxane
Concen: 413.496 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	26.7	40.1
58	72.0	52.3	78.5

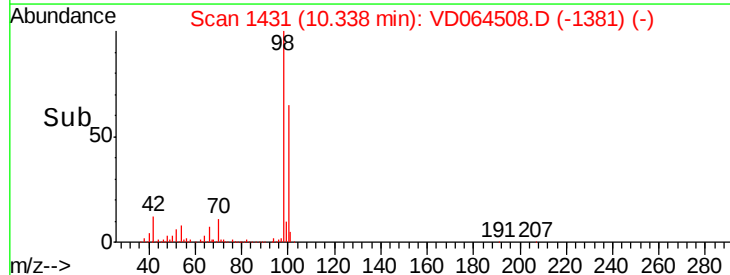
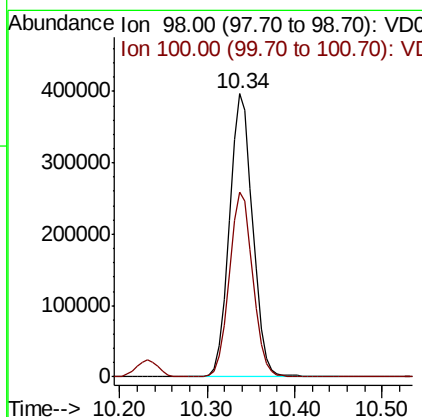
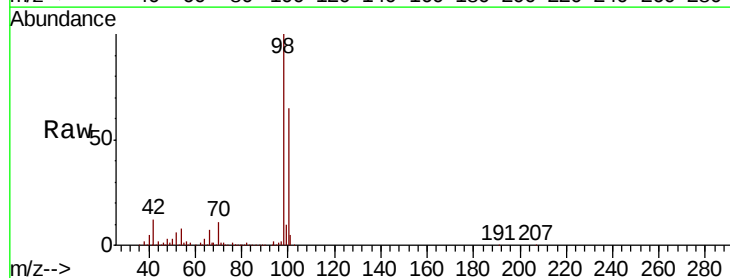
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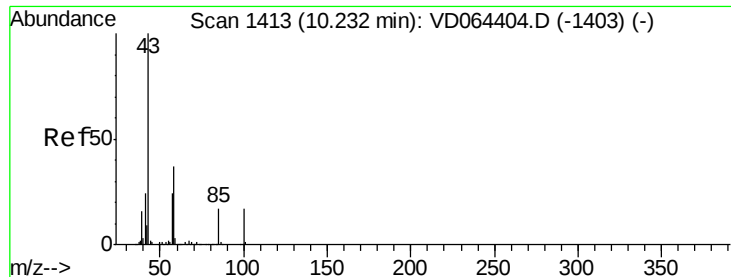
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#50
Toluene-d8
Concen: 47.914 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 105.051 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

Tot Ion: 43 Resp: 258797

Ion Ratio Lower Upper

43 100

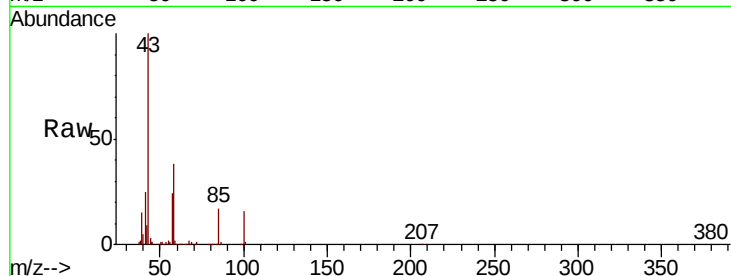
58 37.7 30.6 46.0

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

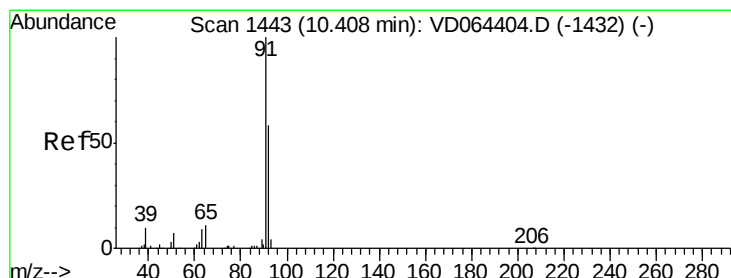
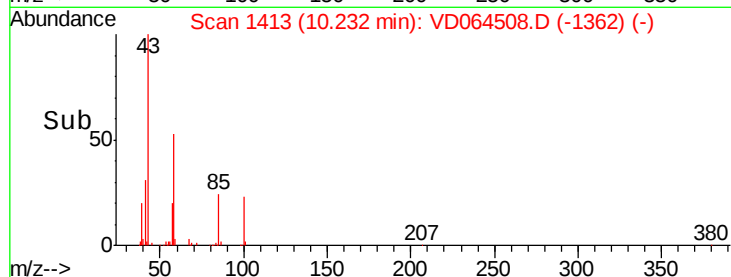
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 20.891 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064508.D

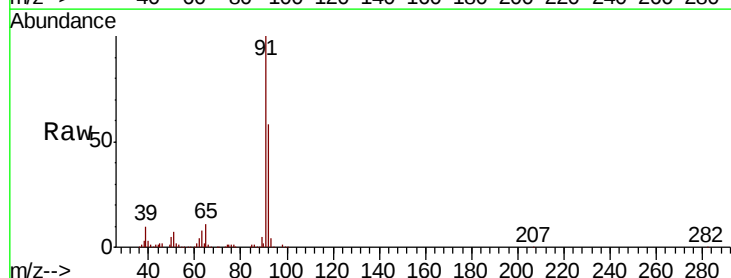
Acq: 13 Dec 2019 15:54

Tgt Ion: 92 Resp: 225674

Ion Ratio Lower Upper

92 100

91 176.2 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

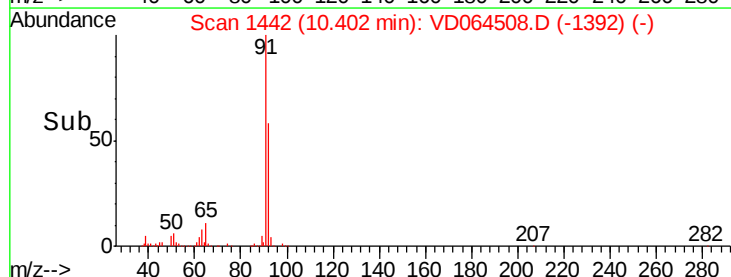
150000

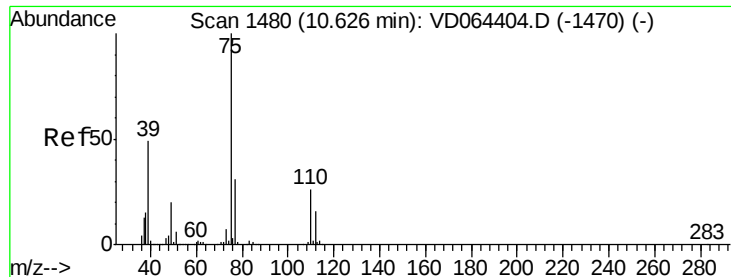
100000

50000

0

Time--> 10.30 10.40 10.50





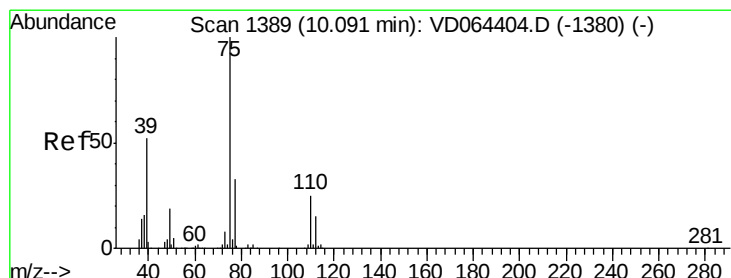
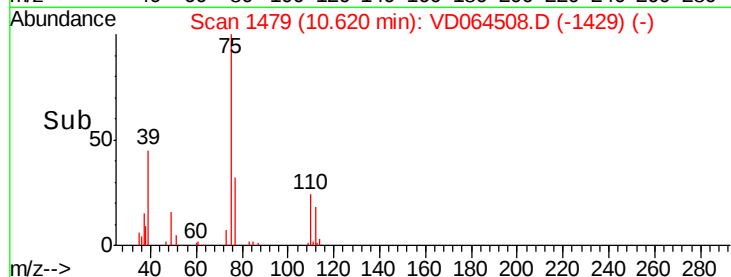
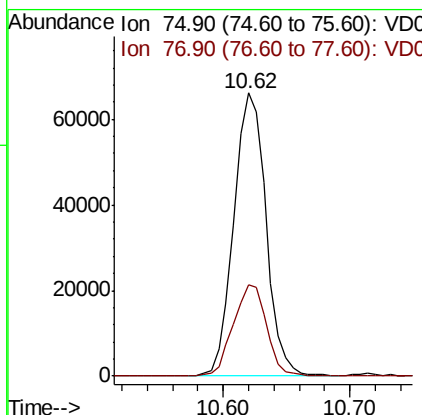
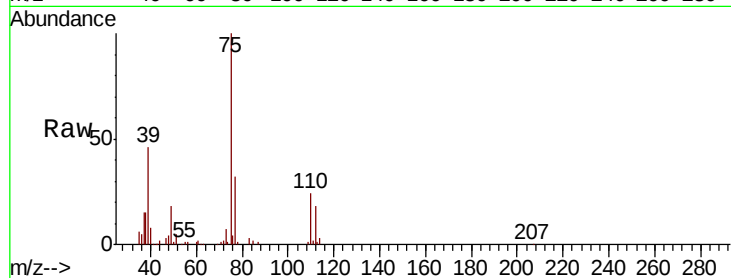
#53
 t-1,3-Dichloropropene
 Concen: 21.199 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.0	37.4

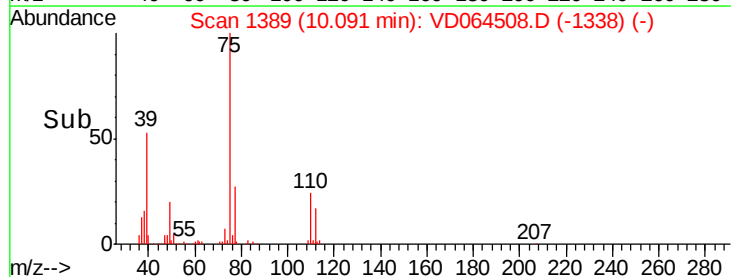
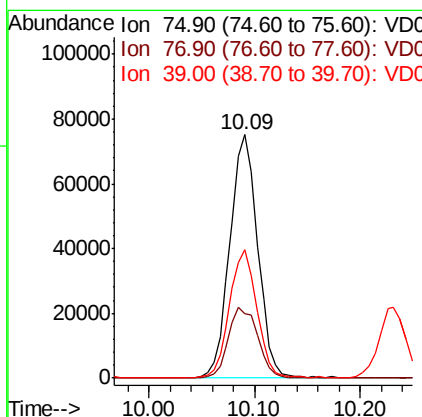
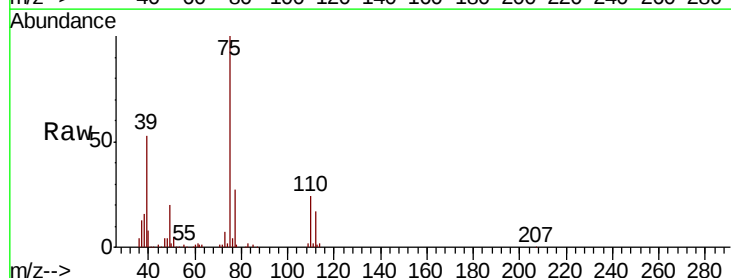
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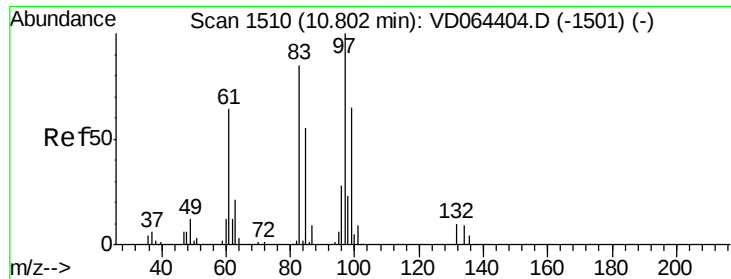
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#54
 cis-1,3-Dichloropropene
 Concen: 21.010 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	26.5	26.1	39.1
39	53.0	41.5	62.3





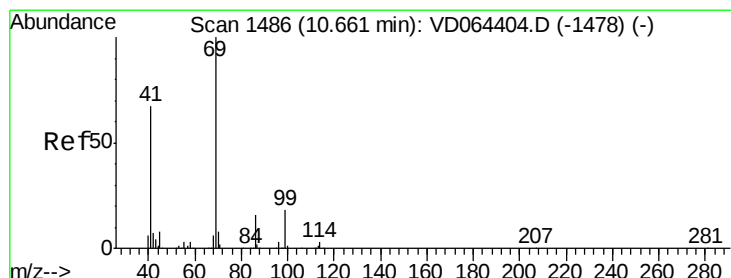
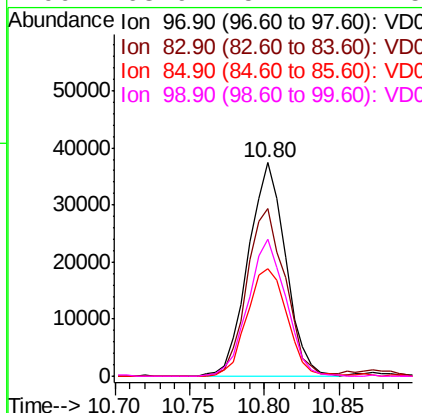
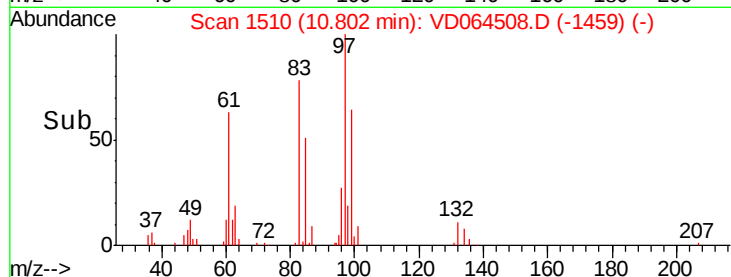
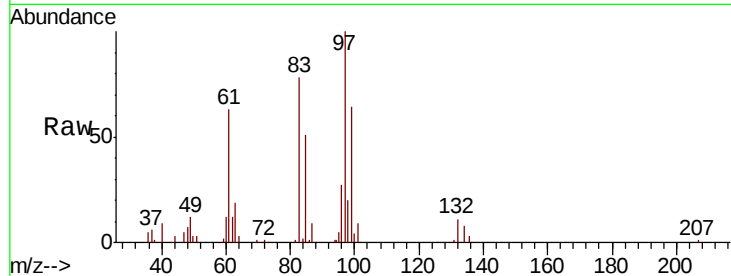
#55
 1,1,2-Trichloroethane
 Concen: 21.226 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	78.4	67.8	101.8
85	50.6	43.7	65.5
99	63.9	51.7	77.5

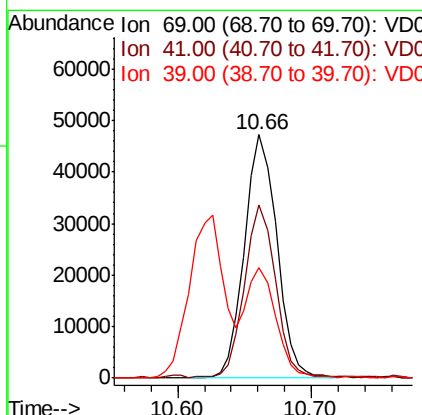
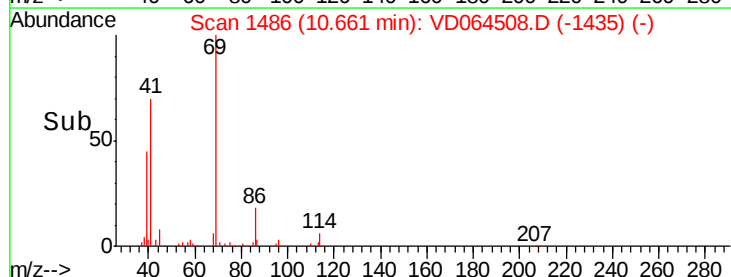
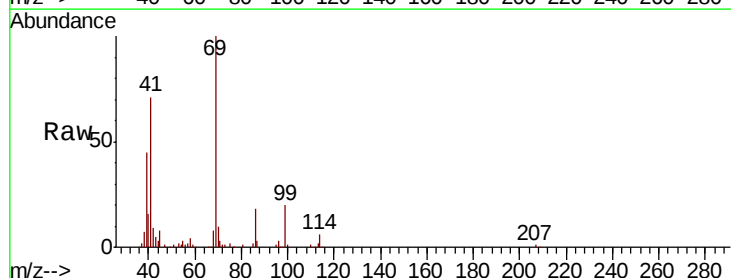
Manual Integrations
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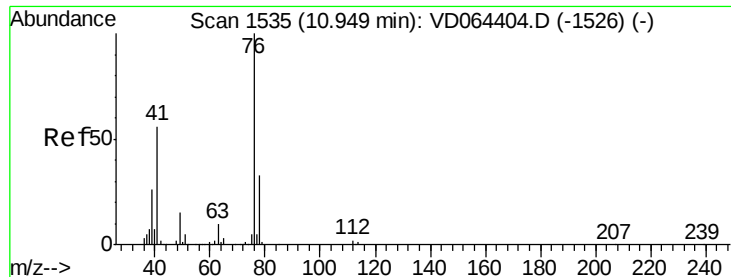
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#56
 Ethyl methacrylate
 Concen: 20.378 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.5	55.0	82.4
39	42.4	33.0	49.6





#57

1,3-Dichloropropane

Concen: 20.625 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

Tot Ion: 76 Resp: 107557

Ion Ratio Lower Upper

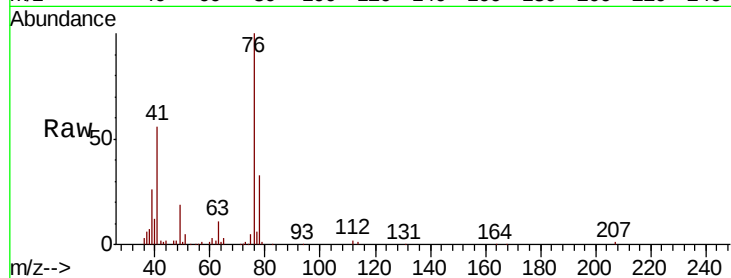
76 100

78 33.2 26.0 39.0

Manual Integrations
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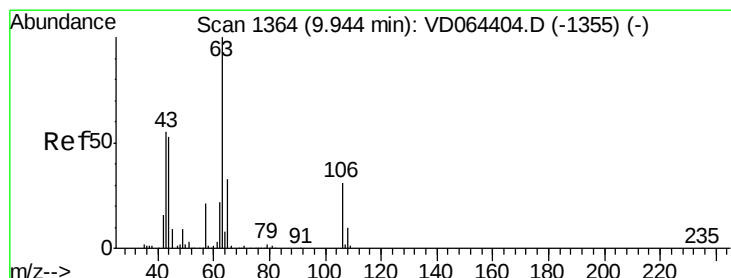
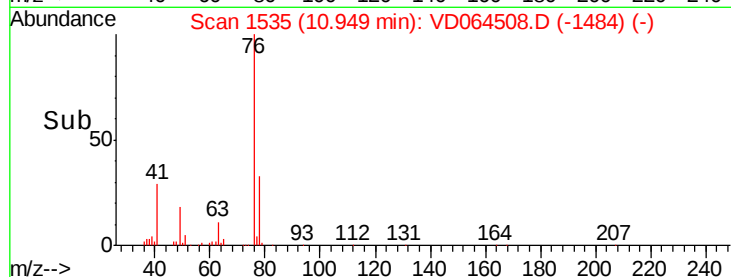
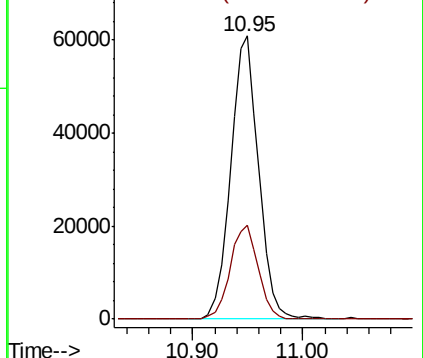
apatel

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 110.689 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064508.D

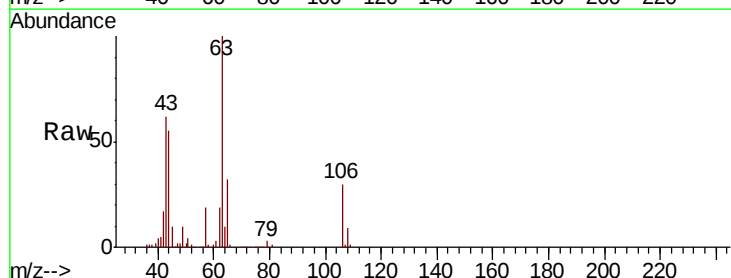
Acq: 13 Dec 2019 15:54

Tgt Ion: 63 Resp: 172412

Ion Ratio Lower Upper

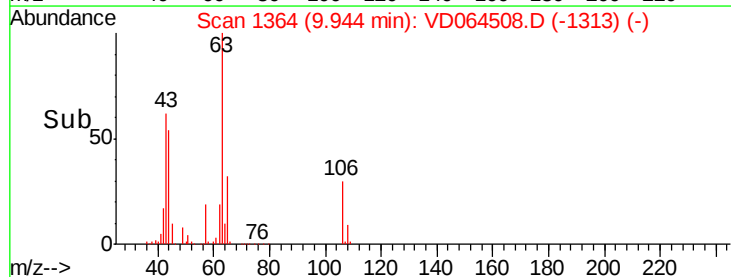
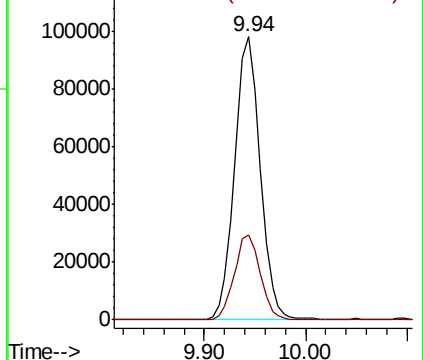
63 100

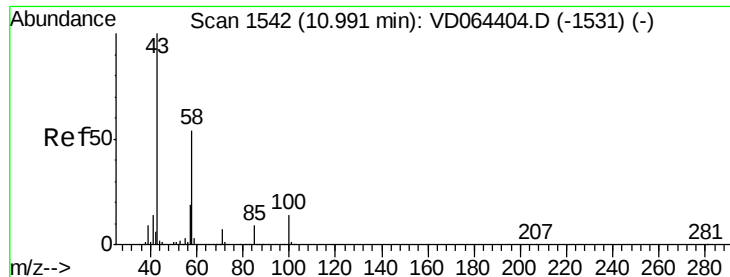
106 30.4 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





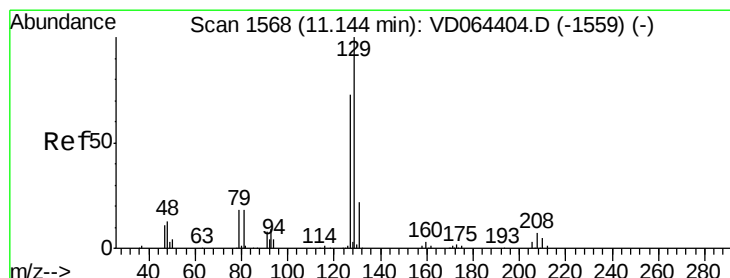
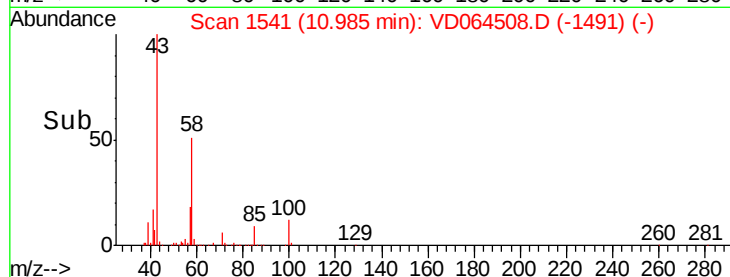
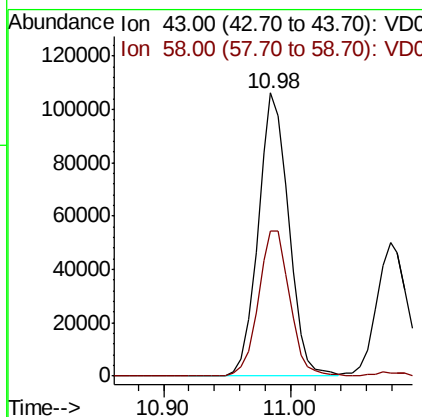
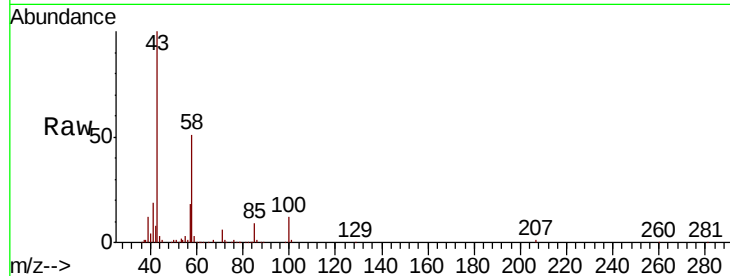
#59
2-Hexanone
Concen: 103.967 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tot Ion	43	Resp	177724
Ion Ratio	43	100	
Lower	58	53.0	26.3
Upper			78.8

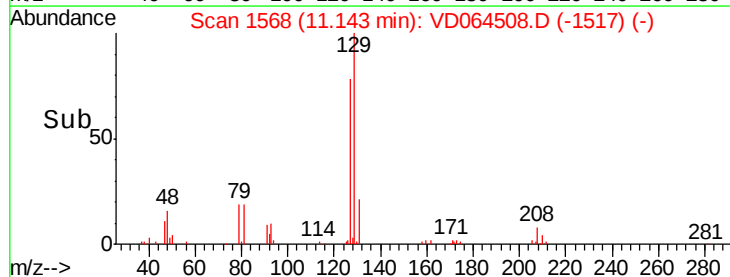
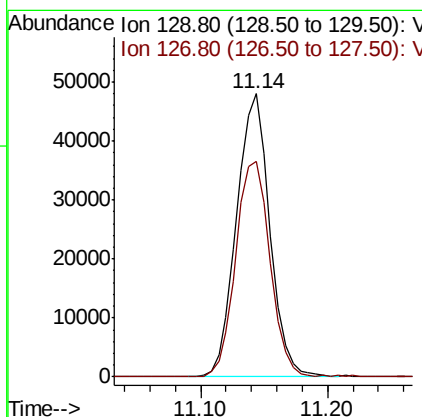
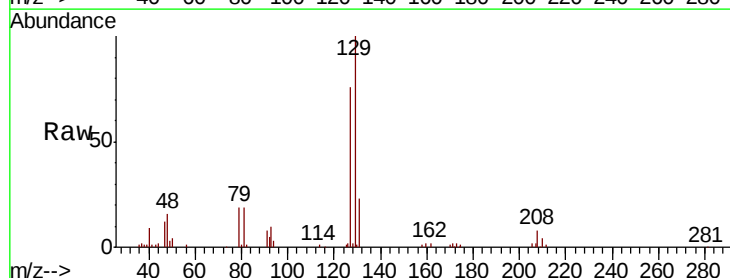
Manual Integrations
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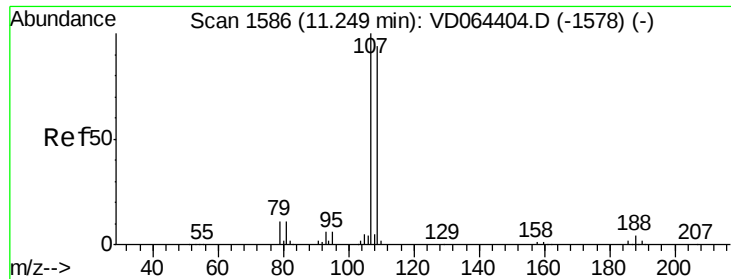
apatel
12/16/2019 12:15:54 PM



#60
Dibromochloromethane
Concen: 21.067 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion	129	Resp	87508
Ion Ratio	129	100	
Lower	127	78.3	38.1
Upper			114.3





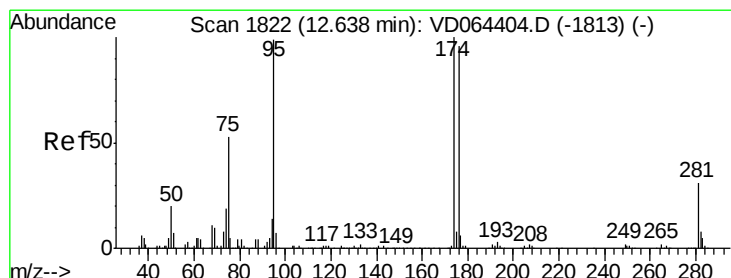
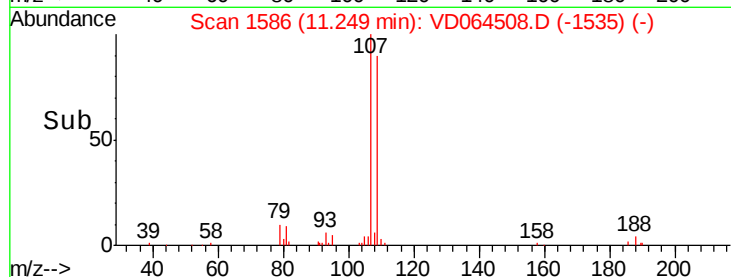
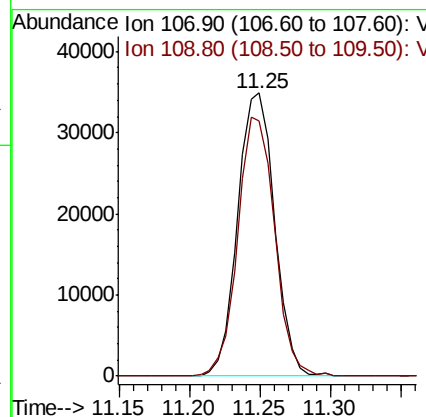
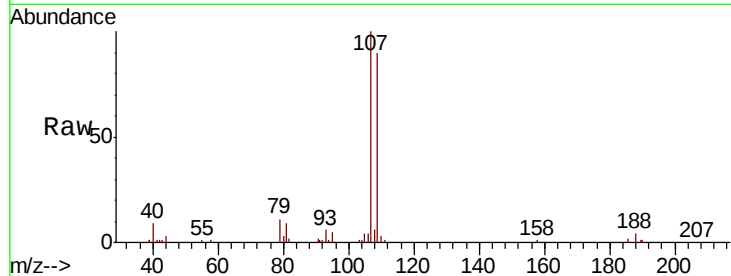
#61
 1,2-Dibromoethane
 Concen: 20.878 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

Tot Ion: 107 Resp: 63863
 Ion Ratio Lower Upper
 107 100
 109 91.4 76.2 114.2

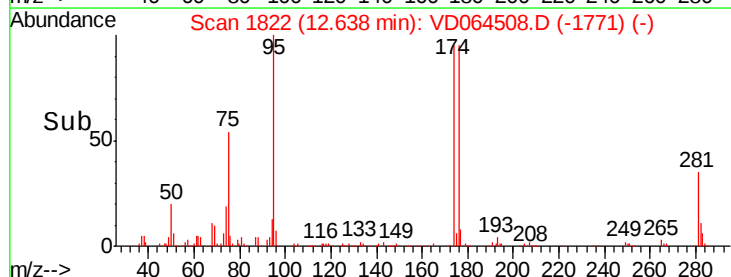
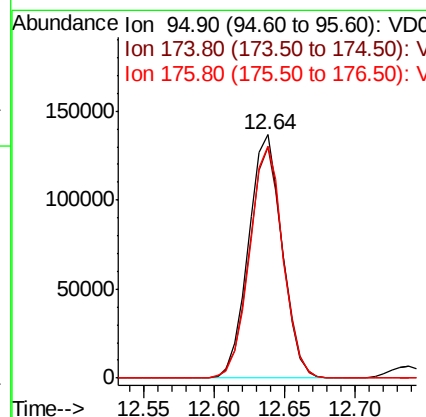
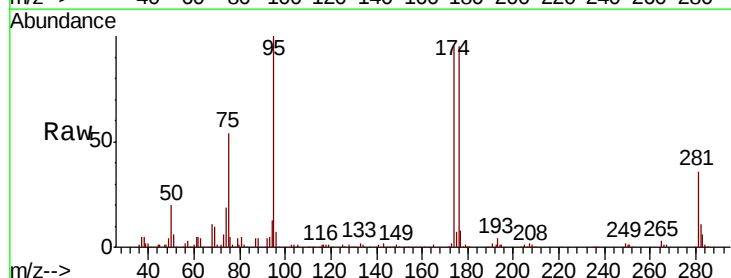
Manual Integrations
 APPROVED

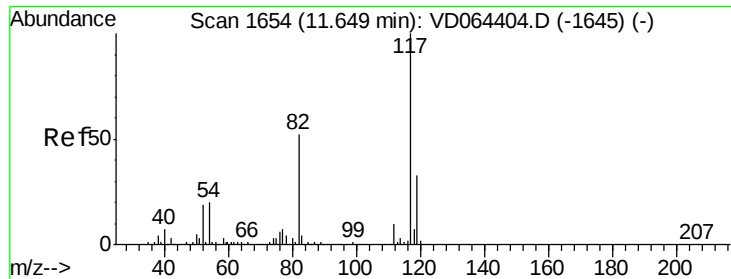
apatel
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#62
 4-Bromofluorobenzene
 Concen: 47.527 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Tgt Ion: 95 Resp: 228718
 Ion Ratio Lower Upper
 95 100
 174 94.5 0.0 197.2
 176 94.4 0.0 189.6





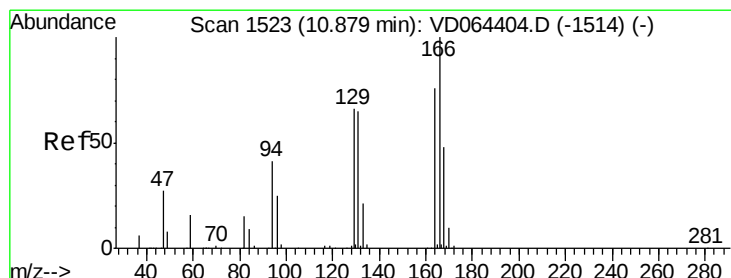
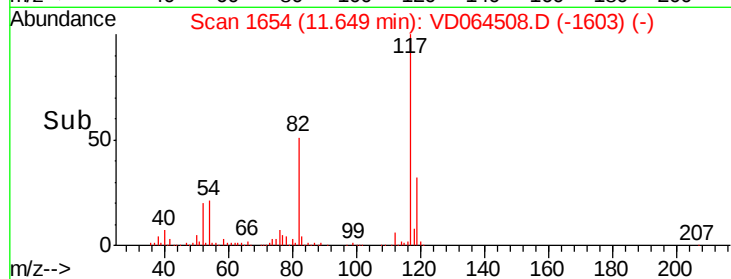
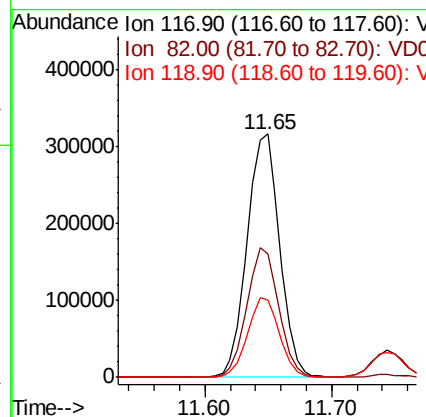
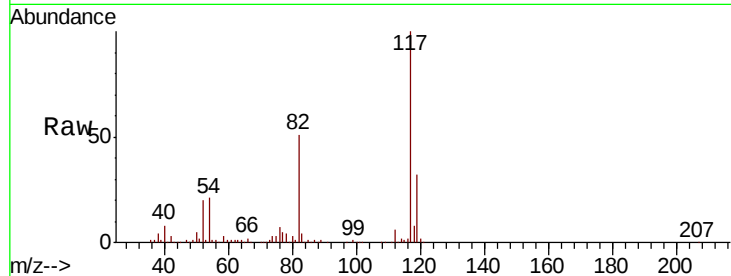
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	565598		
82	50.8		41.4	62.2
119	31.9		26.2	39.2

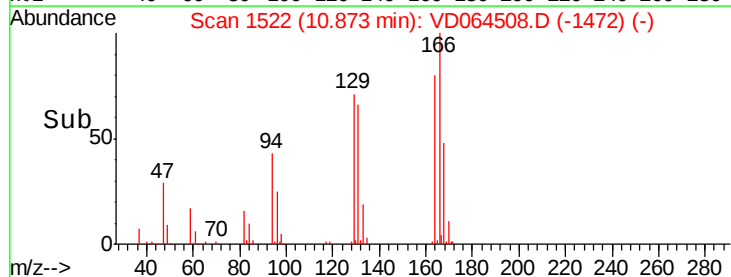
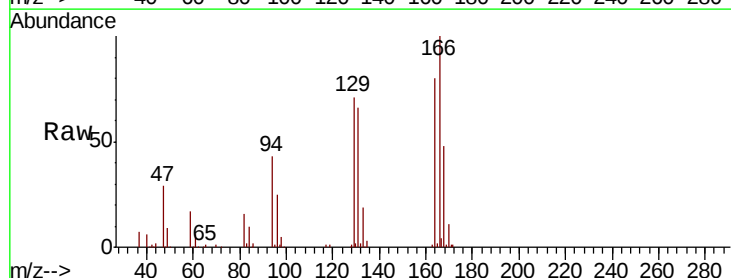
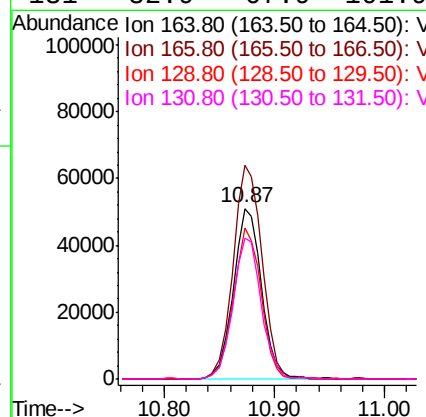
Manual Integrations
APPROVED

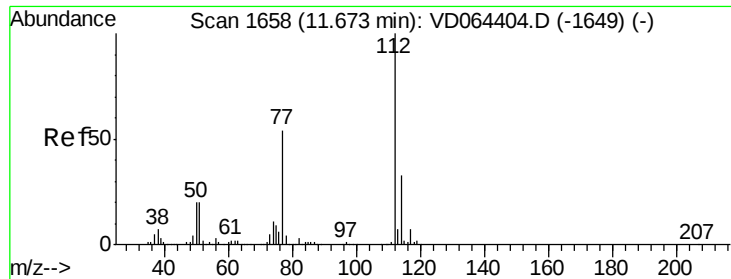
apatel
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#64
Tetrachloroethene
Concen: 21.130 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	91135		
166	125.3		104.8	157.2
129	88.6		68.7	103.1
131	82.9		67.9	101.9





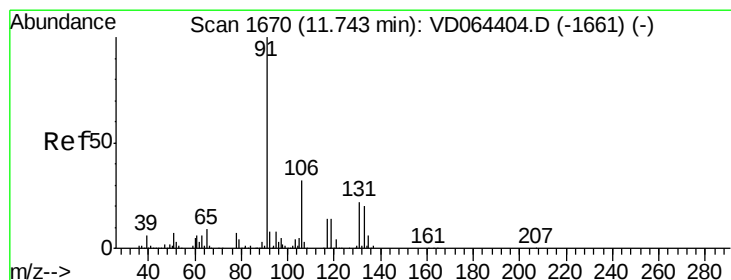
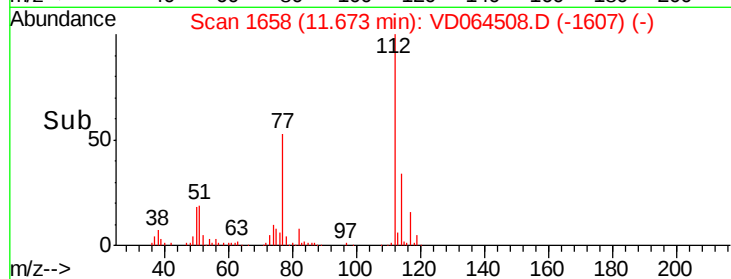
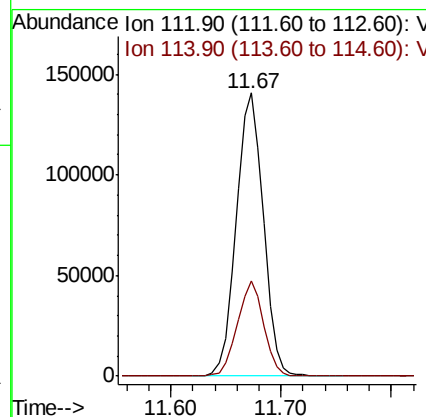
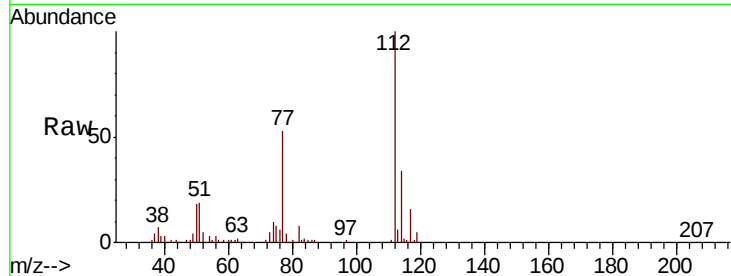
#65
Chlorobenzene
Concen: 20.583 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	242812		
114	33.6	26.5	39.7	

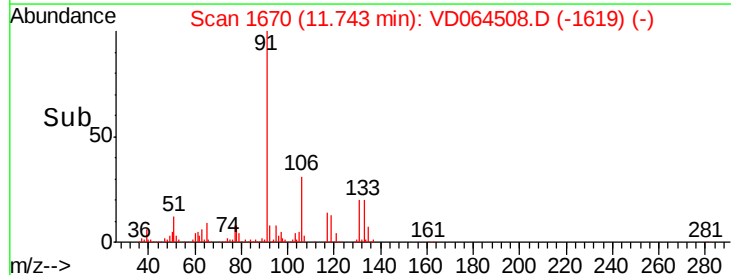
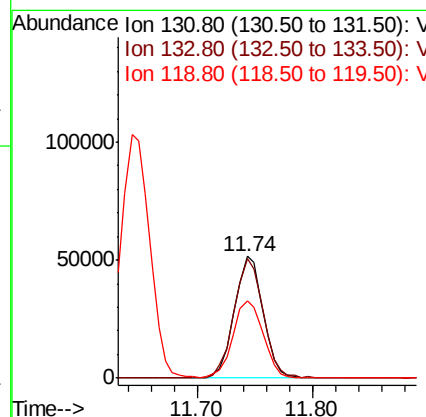
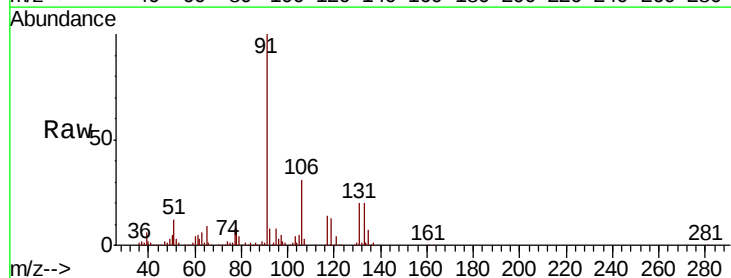
Manual Integrations
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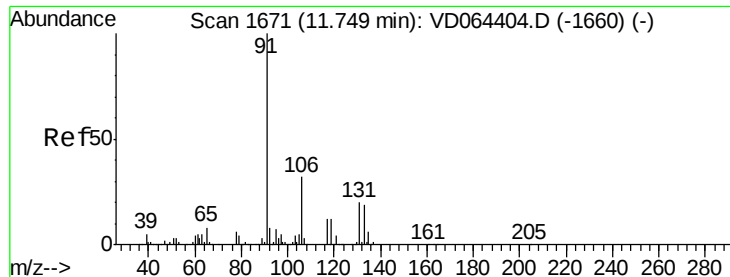
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.359 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	88907		
133	100.3	48.3	144.9	
119	67.3	31.9	95.9	





#67

Ethyl Benzene

Concen: 20.500 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

Tot Ion: 91 Resp: 430279

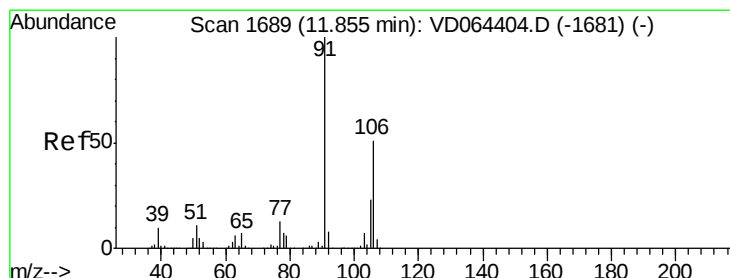
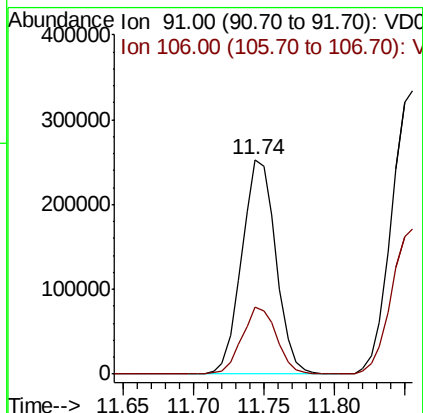
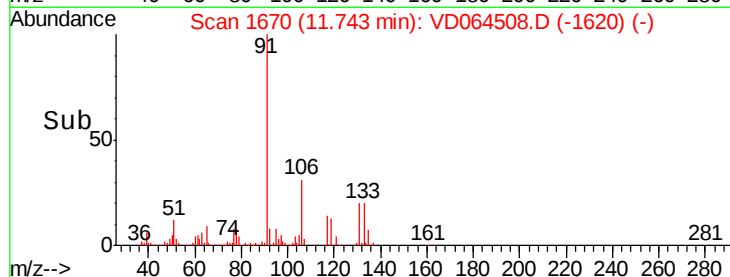
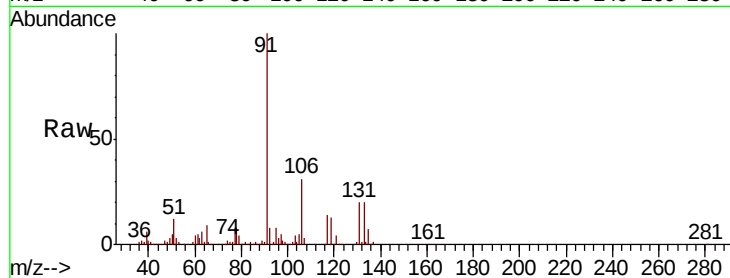
Ion Ratio Lower Upper

91 100

106 31.1 25.8 38.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 41.442 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064508.D

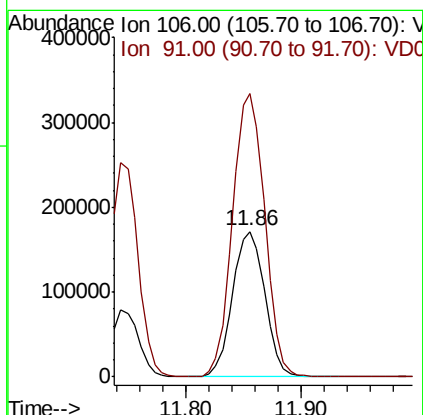
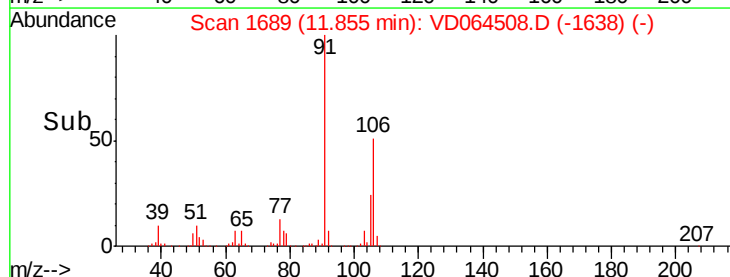
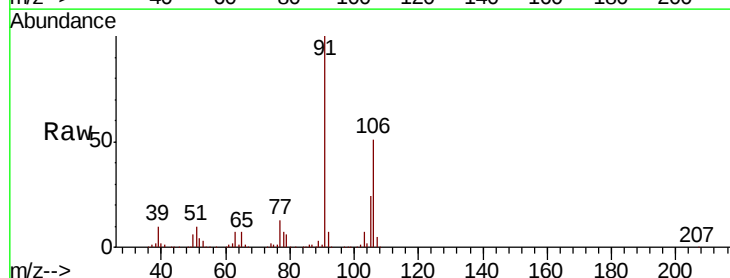
Acq: 13 Dec 2019 15:54

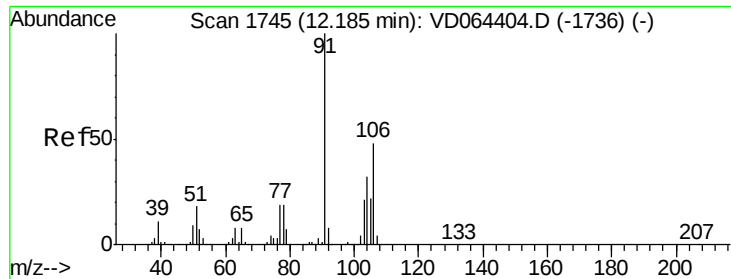
Tgt Ion: 106 Resp: 331648

Ion Ratio Lower Upper

106 100

91 195.0 157.4 236.2





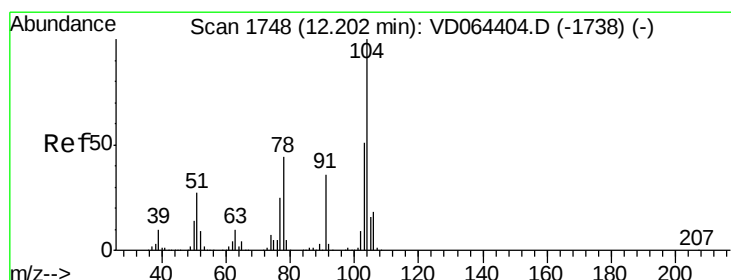
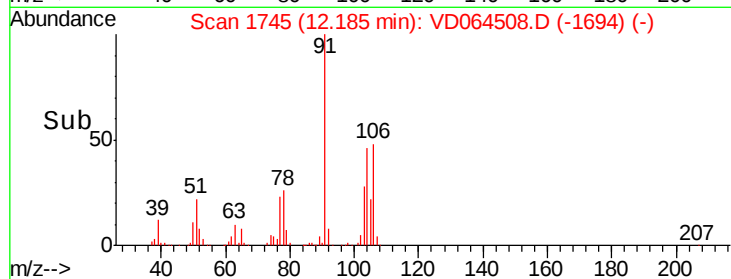
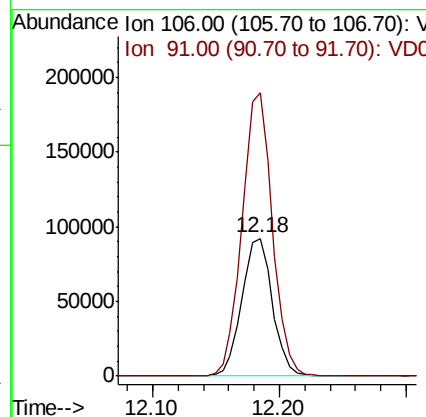
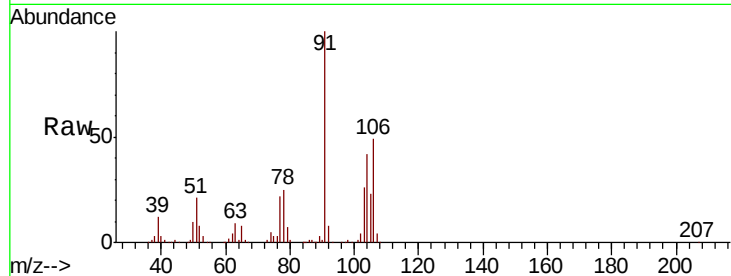
#69
o-Xylene
Concen: 20.839 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	203.7	103.8	311.4	

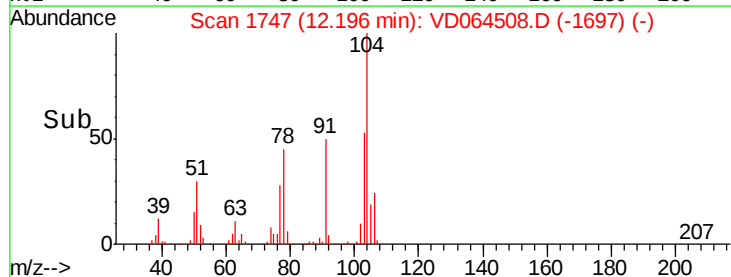
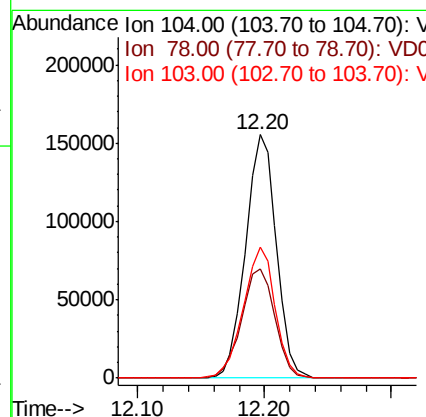
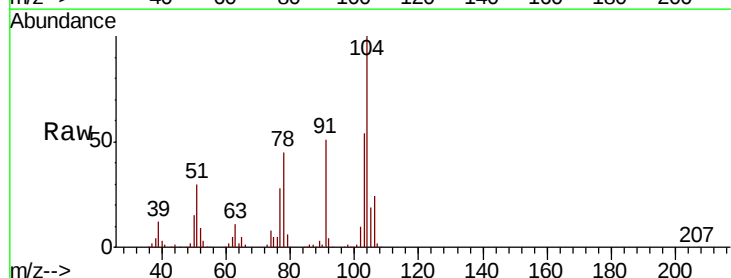
Manual Integrations
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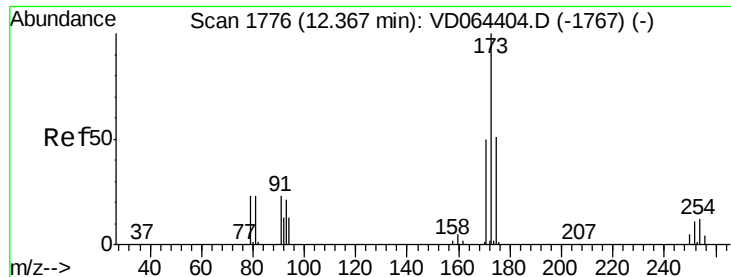
apatel
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#70
Styrene
Concen: 20.385 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.8	38.8	58.2	
103	55.7	44.2	66.4	





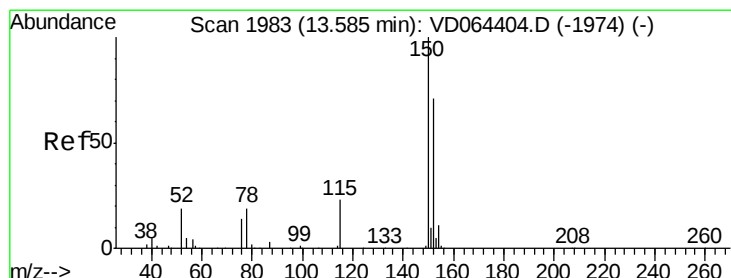
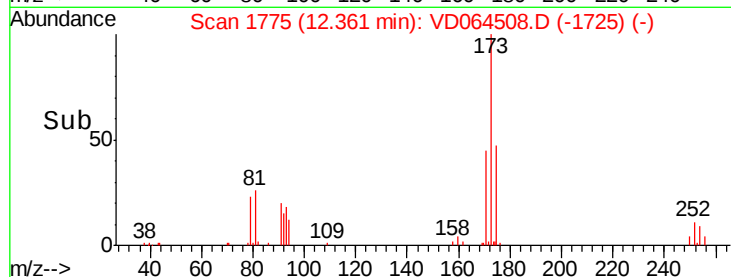
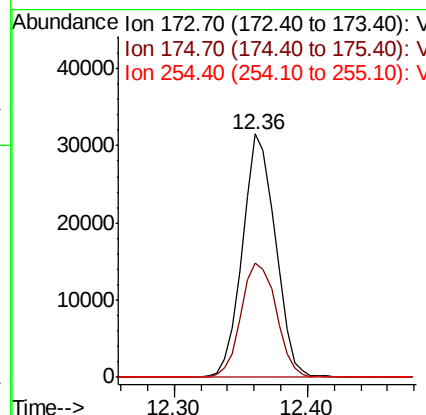
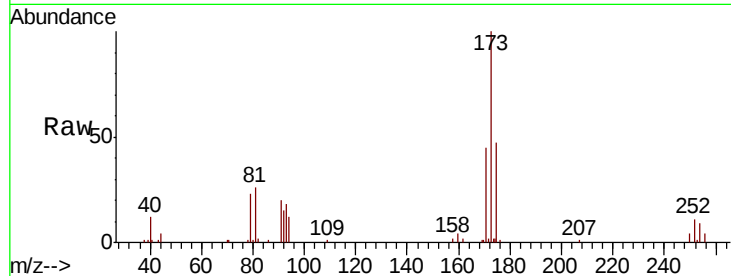
#71
Bromoform
Concen: 20.630 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	25.3	75.8
254	0.0	0.0	0.0

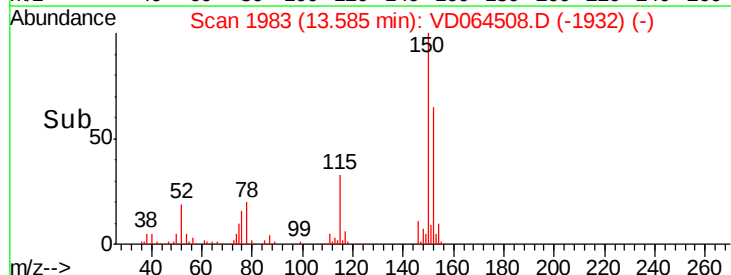
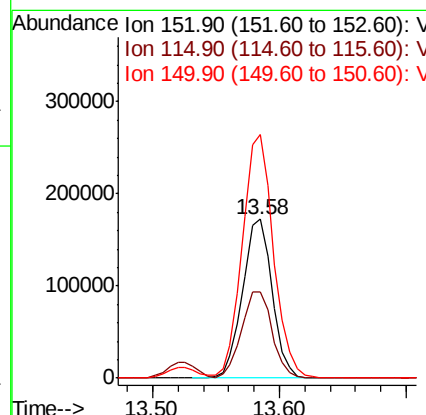
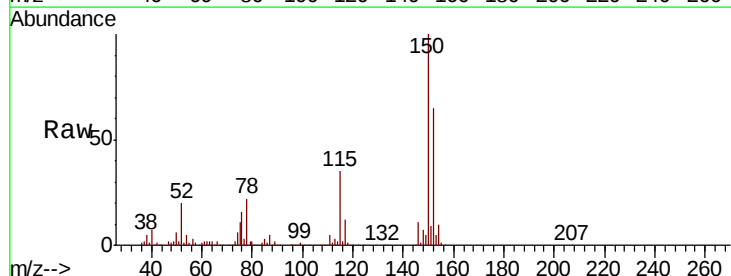
Manual Integrations
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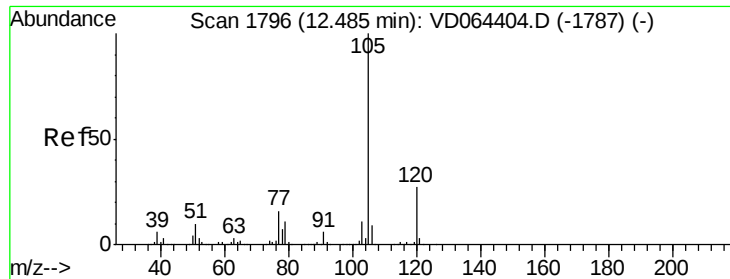
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	26.7	80.1
150	160.8	0.0	347.2





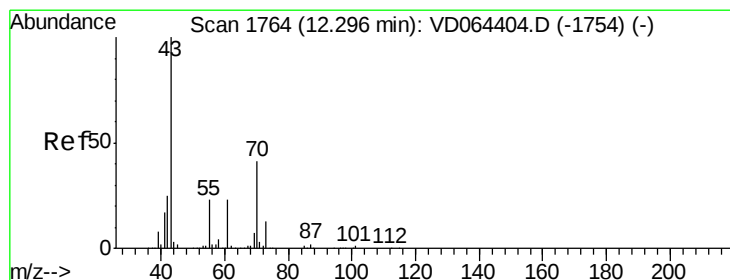
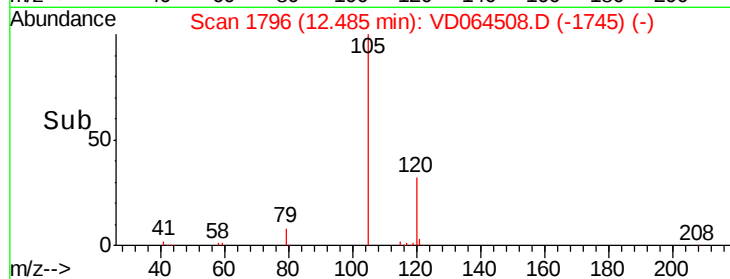
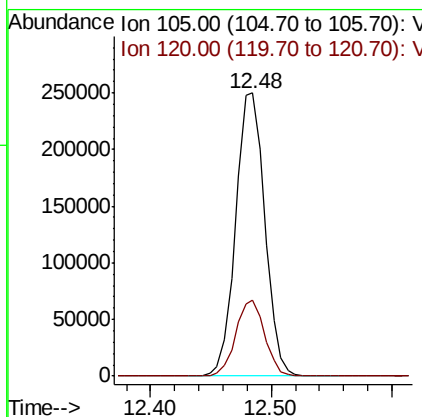
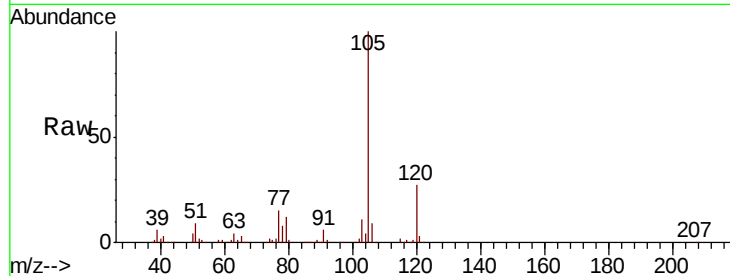
#73
Isopropylbenzene
Concen: 20.972 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.4	40.2

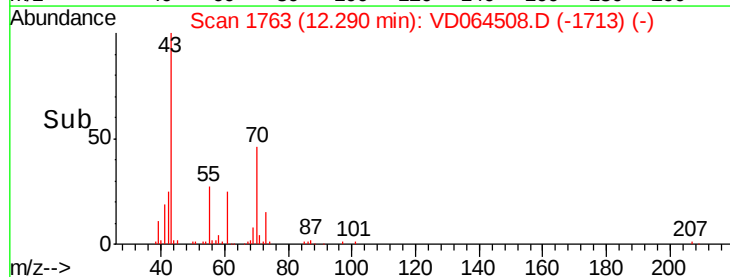
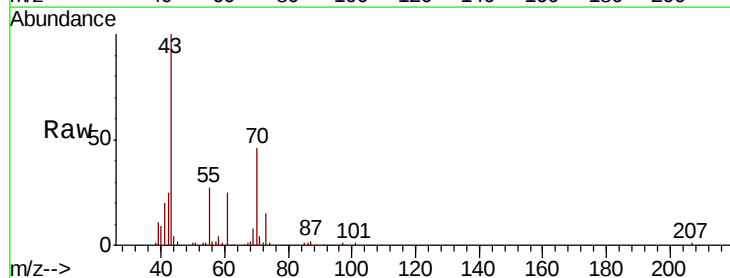
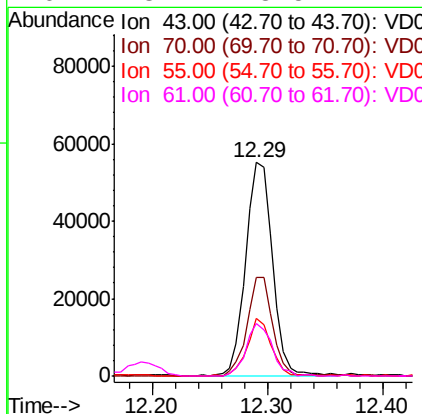
Manual Integrations
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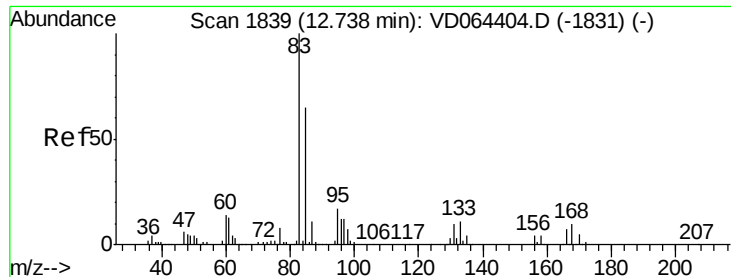
apatel
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#74
N-ethyl acetate
Concen: 19.685 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.9	33.4	50.2
55	23.9	18.9	28.3
61	23.7	18.5	27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.903 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

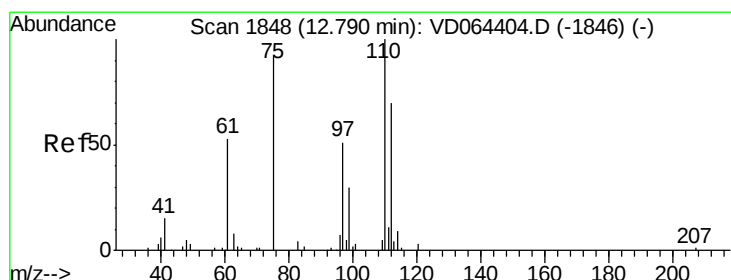
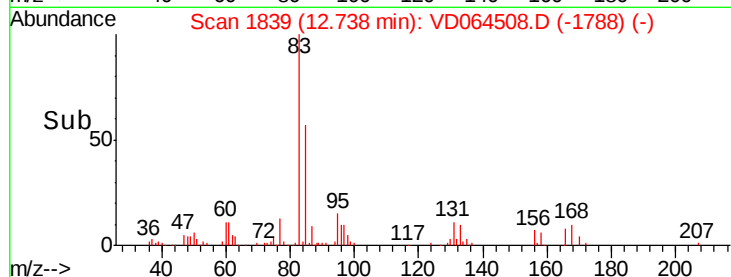
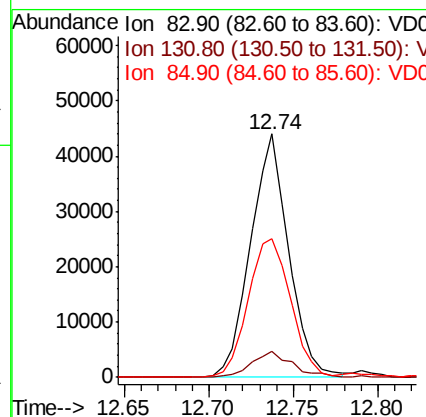
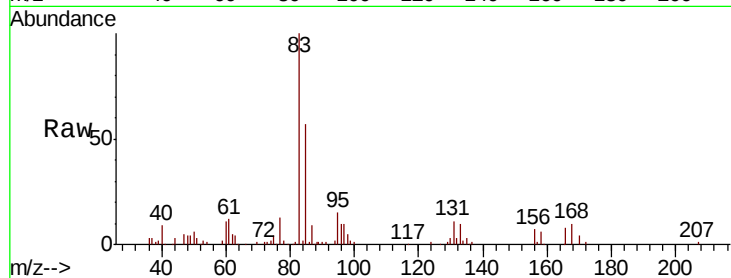
ClientSampleId :

VD1213SBS01

Tot Ion:	83	Resp:	69366
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.7	17.0
85	63.3	31.3	93.9

Manual Integrations
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apatel
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#76

1,2,3-Trichloropropane

Concen: 17.963 ug/l m

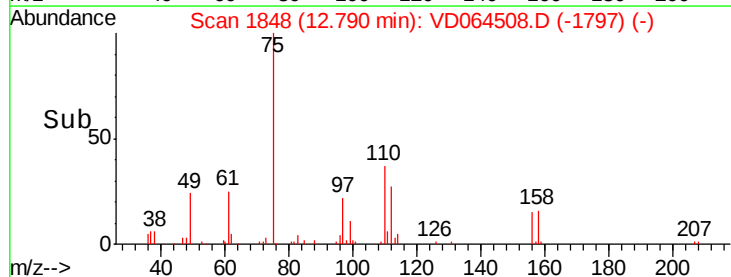
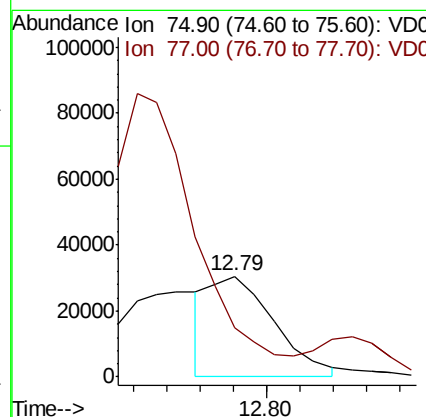
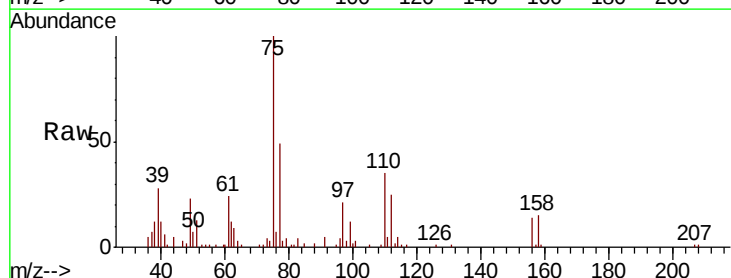
RT: 12.79 min Scan# 1848

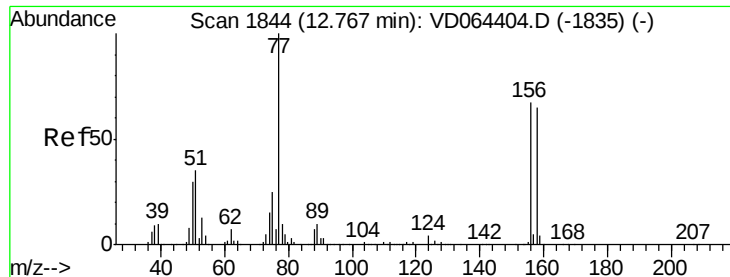
Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Tgt Ion:	75	Resp:	41217
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.523 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

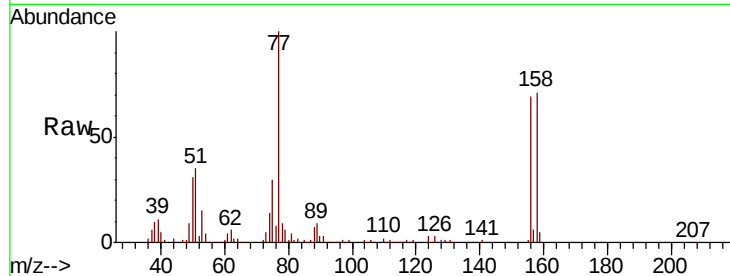
ClientSampleId :

VD1213SBS01

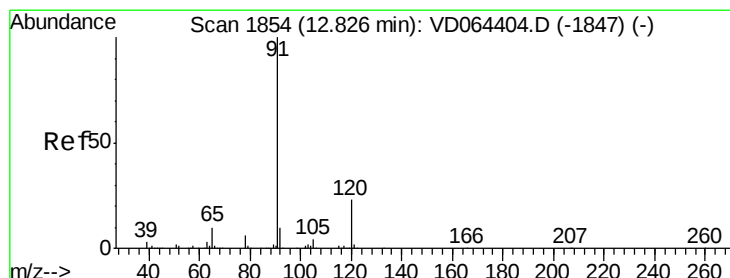
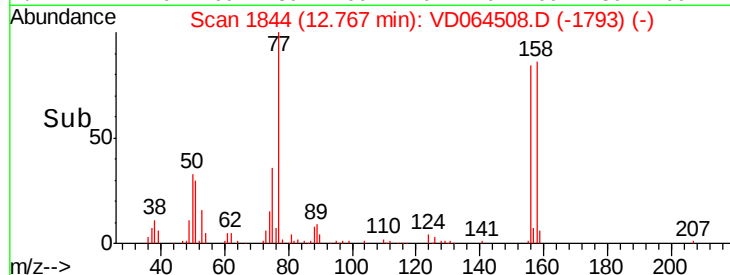
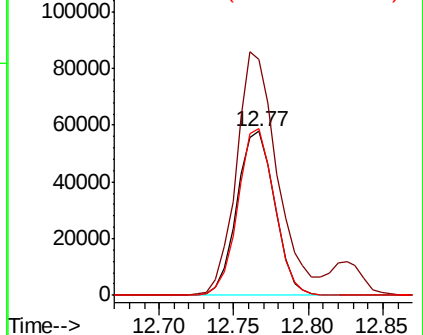
Tot Ion:	156	Resp:	101700
Ion Ratio	Lower	Upper	
156	100		
77	161.6	80.0	240.2
158	98.5	48.9	146.6

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.918 ug/l

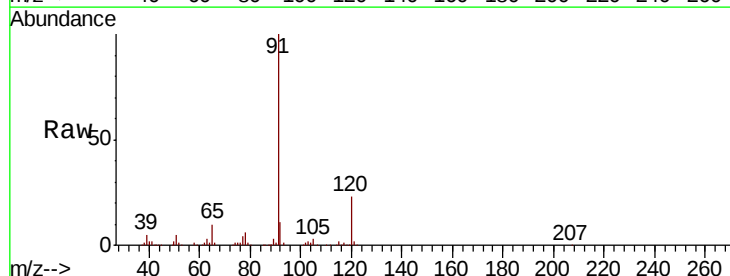
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

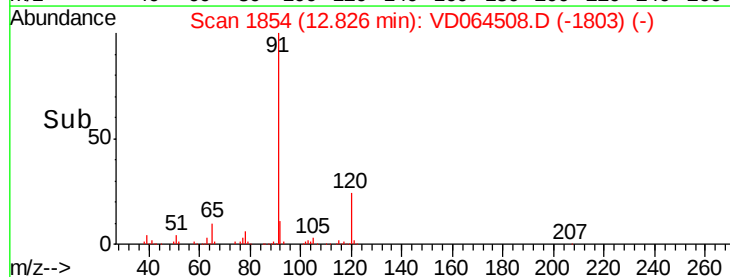
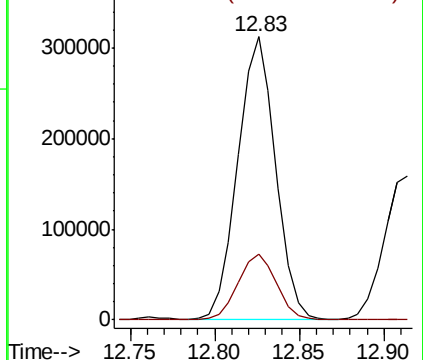
Lab File: VD064508.D

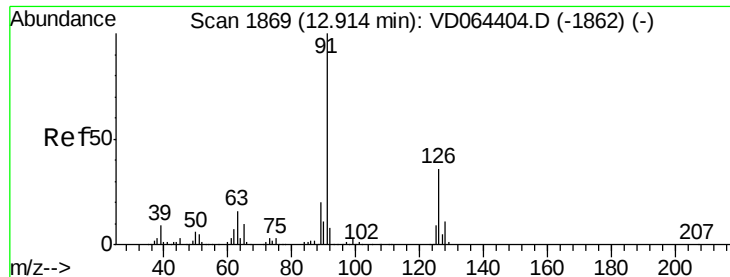
Acq: 13 Dec 2019 15:54

Tgt Ion:	91	Resp:	484321
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.699 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

Tot Ion: 91 Resp: 263709

Ion Ratio Lower Upper

91 100

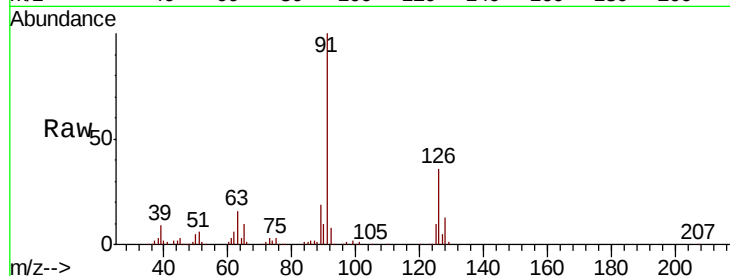
126 36.1 18.0 54.0

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

Ion 125.90 (125.60 to 126.60): VD064404.D (-1862) (-)

12.91

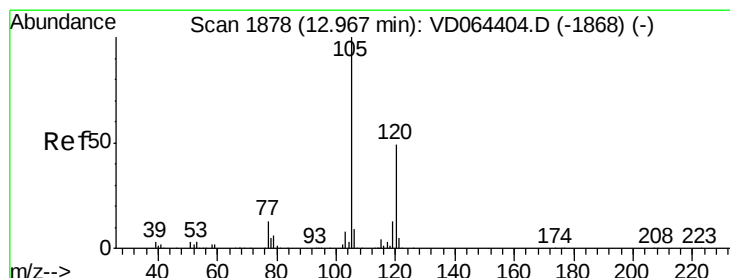
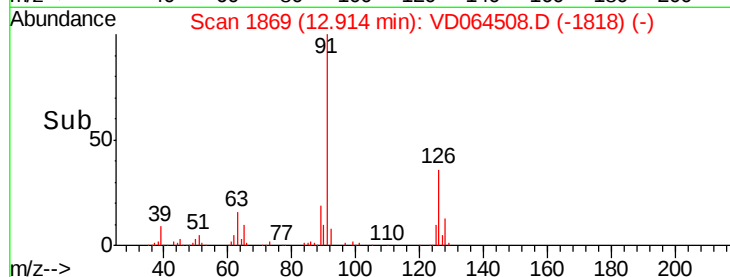
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.393 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD064508.D

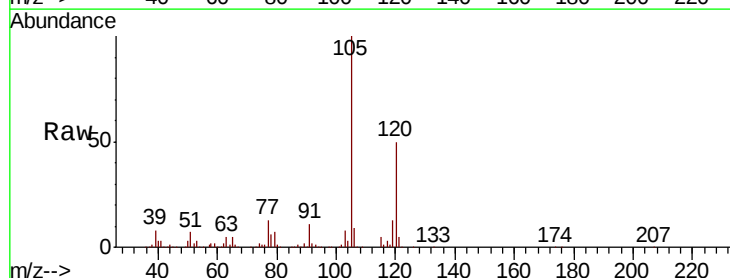
Acq: 13 Dec 2019 15:54

Tgt Ion:105 Resp: 334417

Ion Ratio Lower Upper

105 100

120 51.0 25.1 75.3



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

Ion 120.00 (119.70 to 120.70): VD064404.D (-1868) (-)

12.97

200000

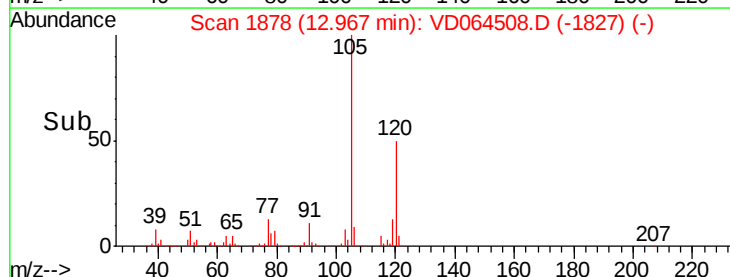
150000

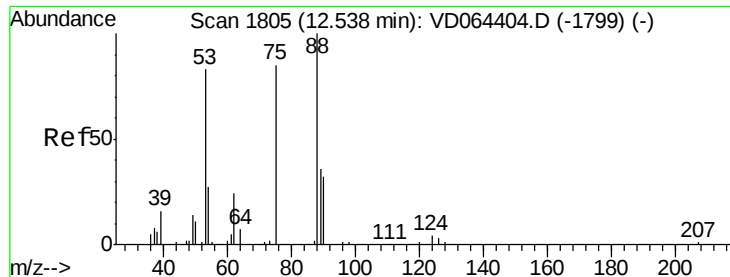
100000

50000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 21.220 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

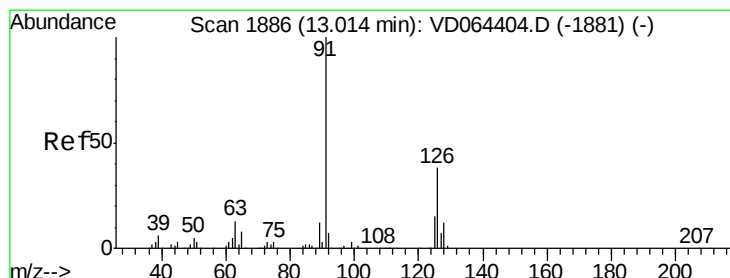
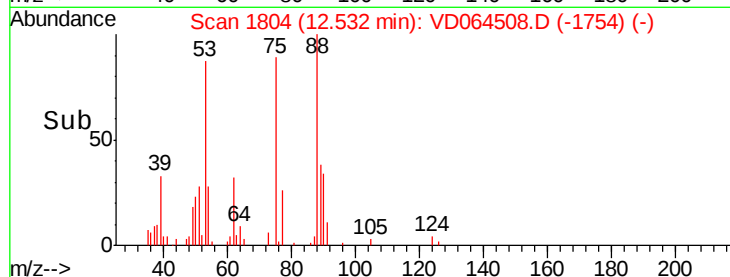
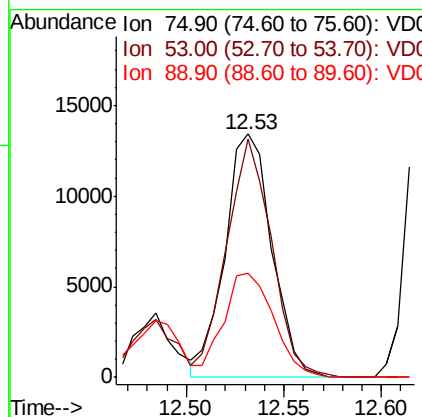
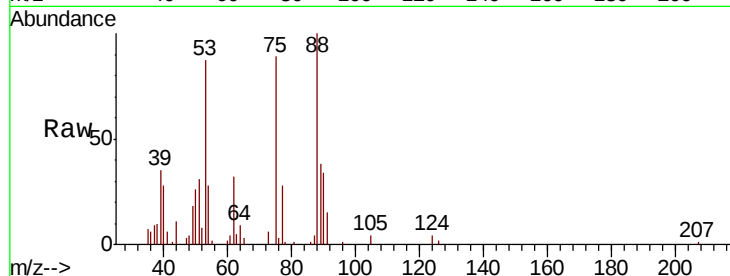
ClientSampleId :

VD1213SBS01

Tot Ion:	75	Resp:	22329
Ion	Ratio	Lower	Upper
75	100		
53	94.6	81.0	121.6
89	46.2	38.5	57.7

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#82

4-Chlorotoluene

Concen: 20.587 ug/l

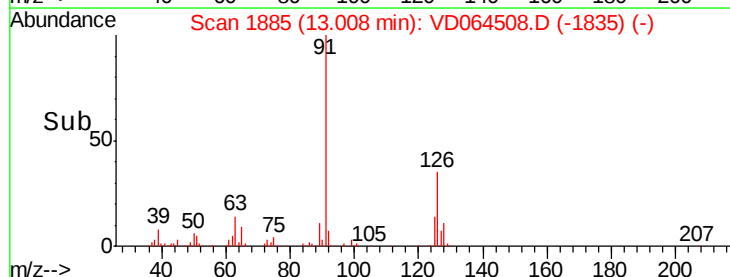
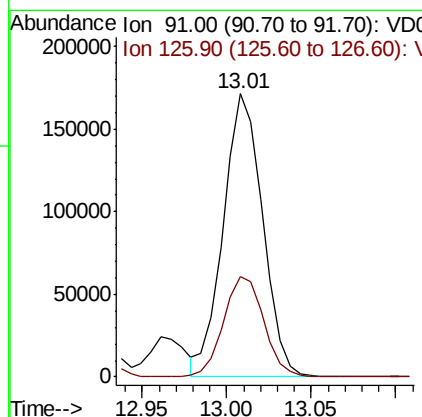
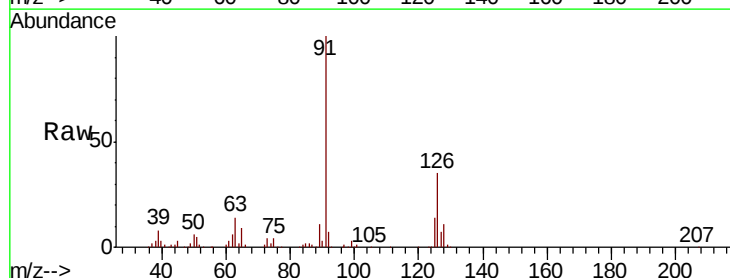
RT: 13.01 min Scan# 1885

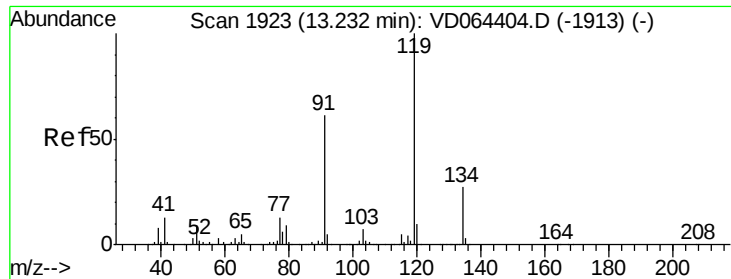
Delta R.T. -0.01 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Tgt Ion:	91	Resp:	277697
Ion	Ratio	Lower	Upper
91	100		
126	36.3	18.2	54.6





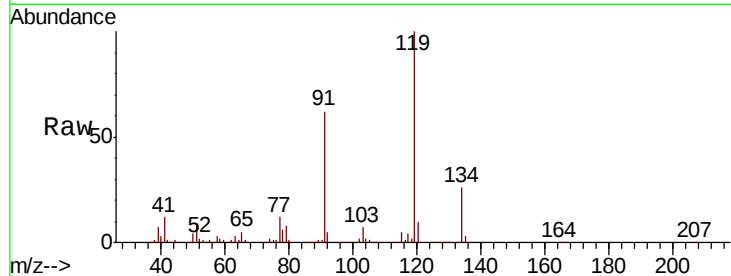
#83
tert-Butylbenzene
Concen: 20.922 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

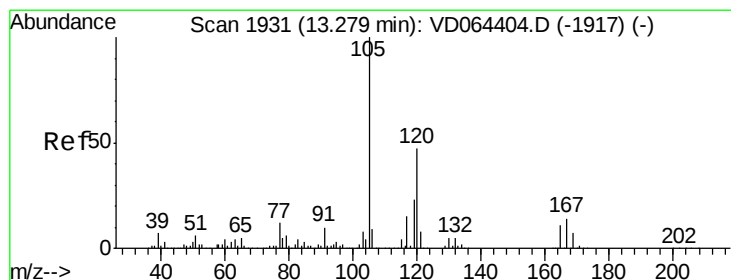
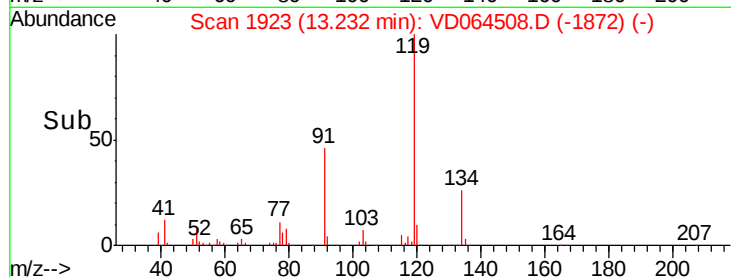
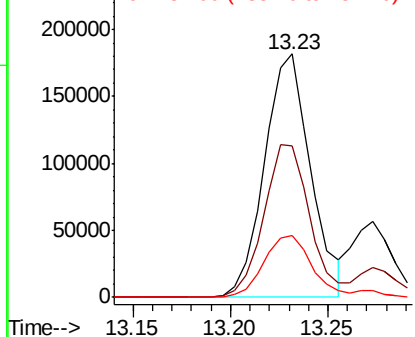
Tot Ion	Ratio	Resp	Lower	Upper
119	100	298274		
91	61.8		31.2	93.6
134	26.4		13.9	41.7

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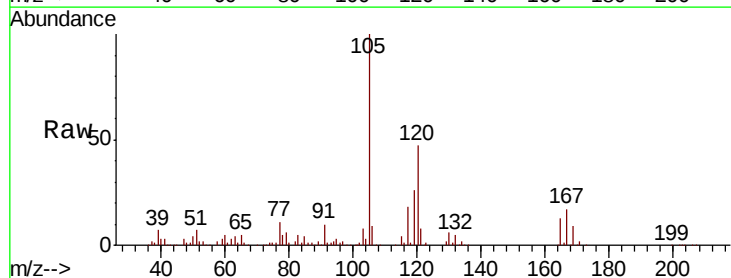


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

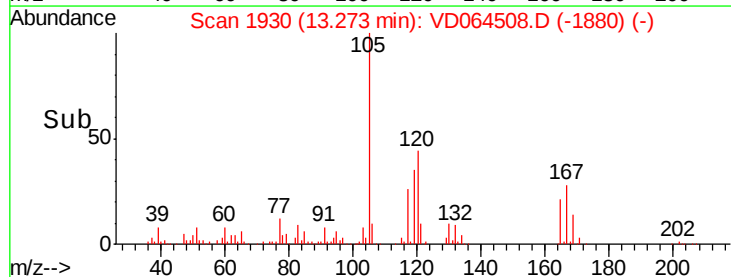
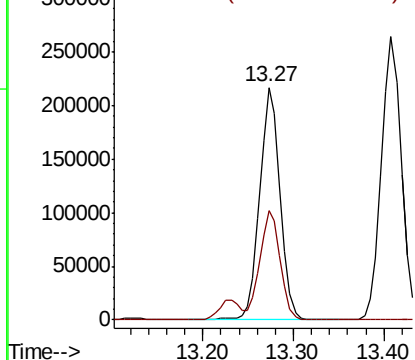


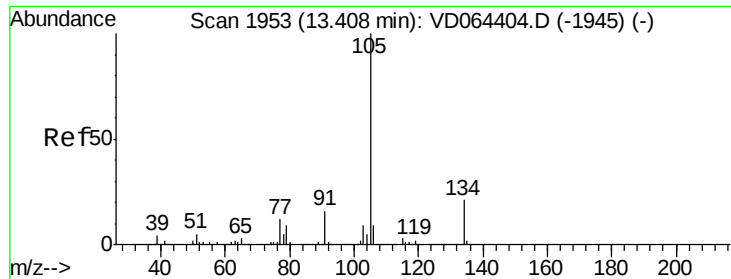
#84
1,2,4-Trimethylbenzene
Concen: 20.504 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	338093		
120	47.3		23.6	70.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





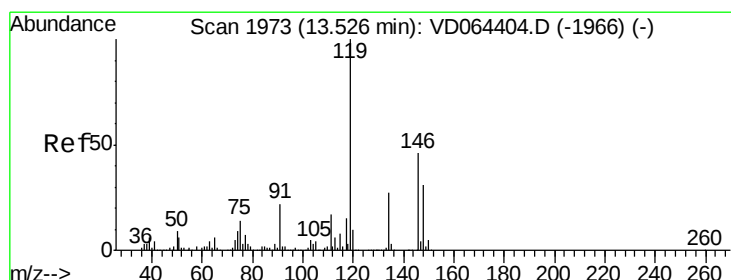
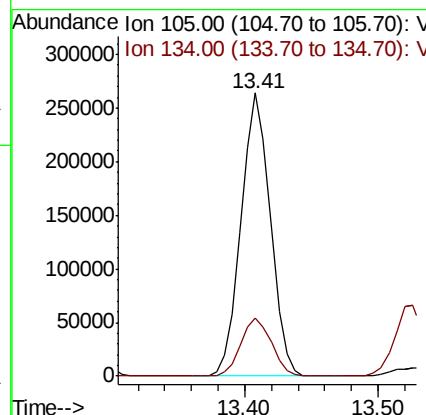
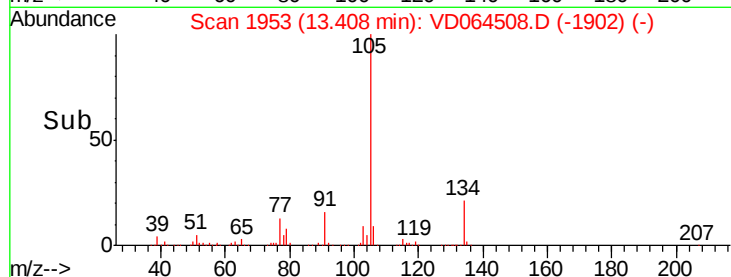
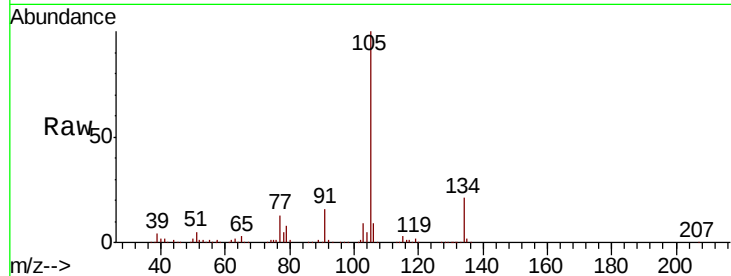
#85
 sec-Butylbenzene
 Concen: 20.526 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.5	31.5

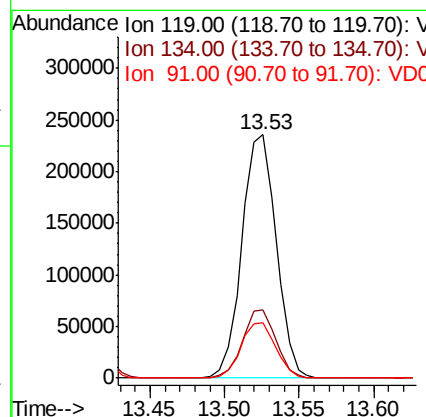
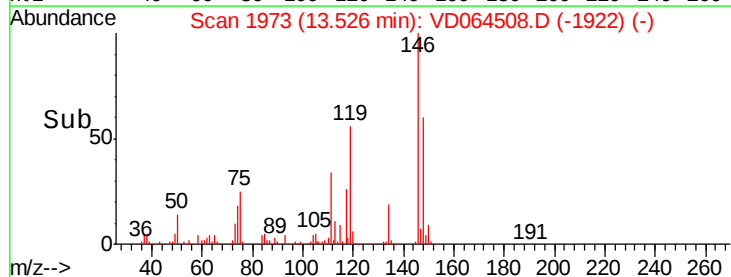
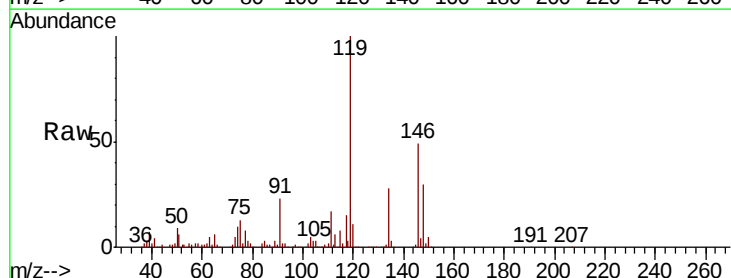
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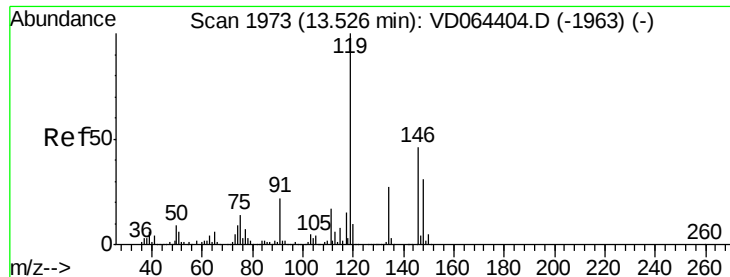
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#86
 p-Isopropyltoluene
 Concen: 20.303 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.5	40.4
91	23.1	11.2	33.5





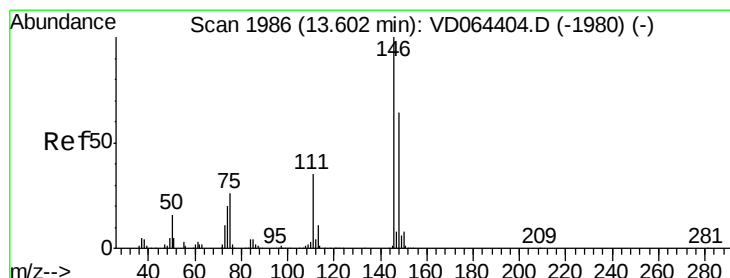
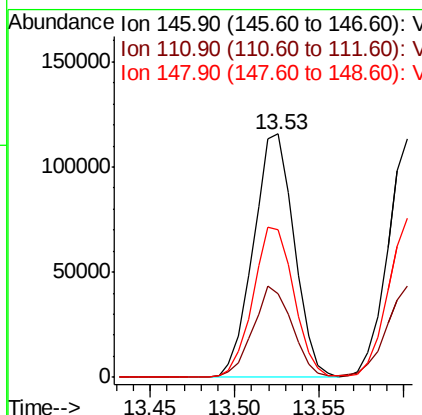
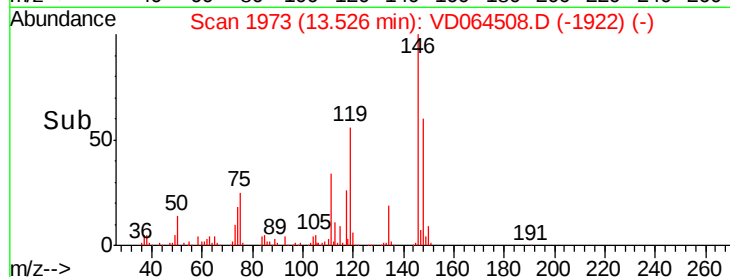
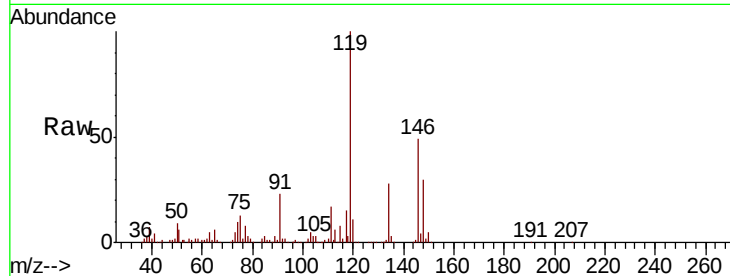
#87
 1,3-Dichlorobenzene
 Concen: 20.580 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	193561		
111	36.1	18.8	56.4	
148	62.1	32.6	97.8	

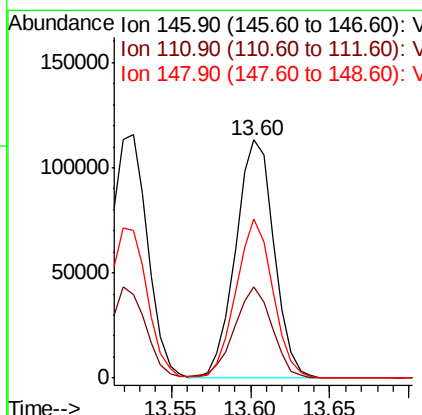
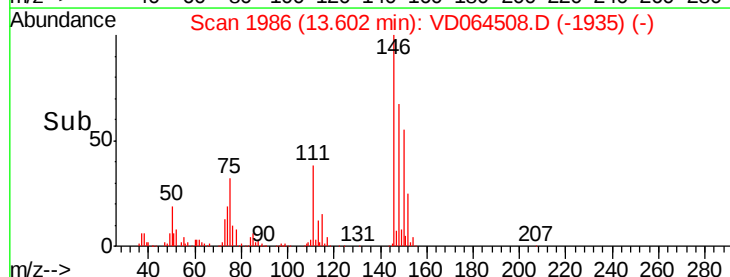
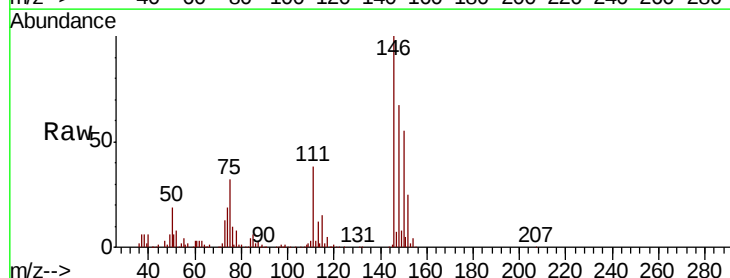
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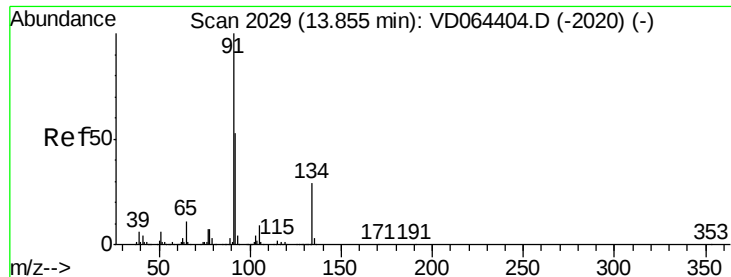
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#88
 1,4-Dichlorobenzene
 Concen: 20.507 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	190425		
111	37.9	18.2	54.6	
148	64.2	31.8	95.4	





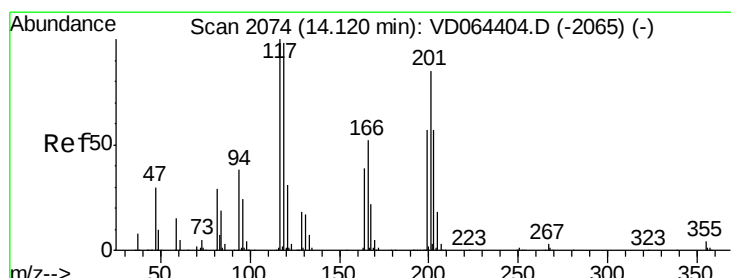
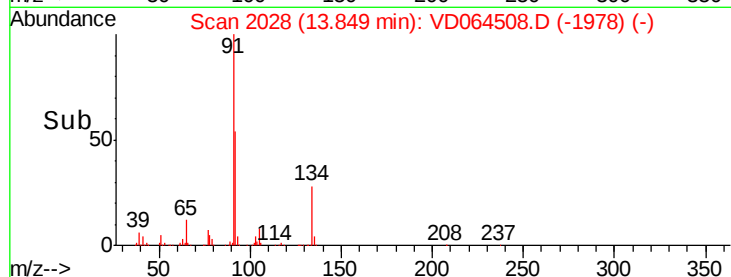
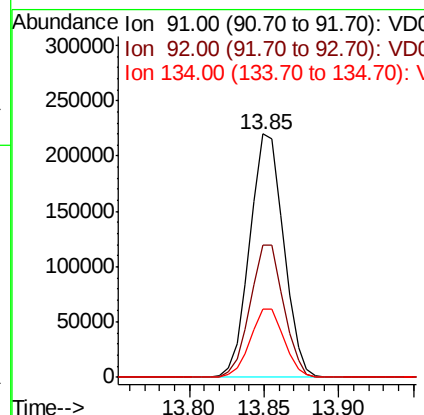
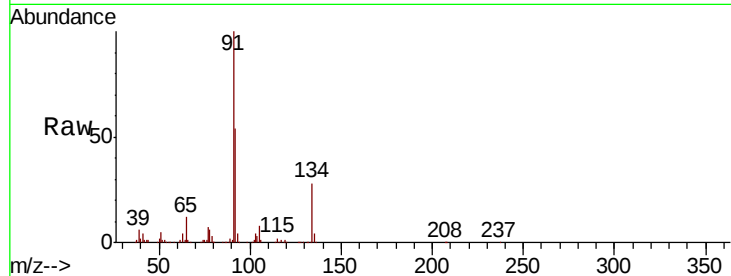
#89
n-Butylbenzene
Concen: 20.489 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.0	26.5	79.4	
134	28.0	13.9	41.7	

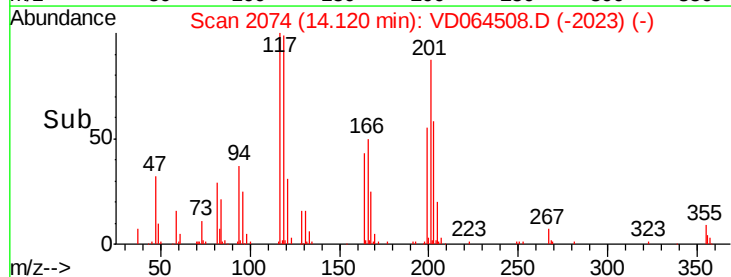
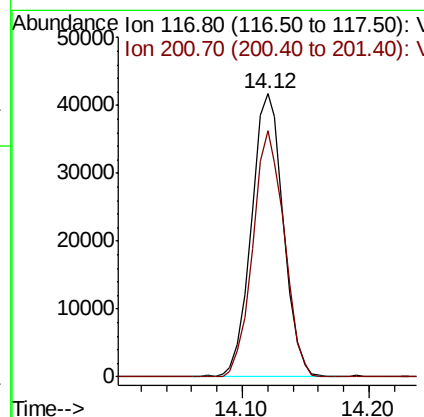
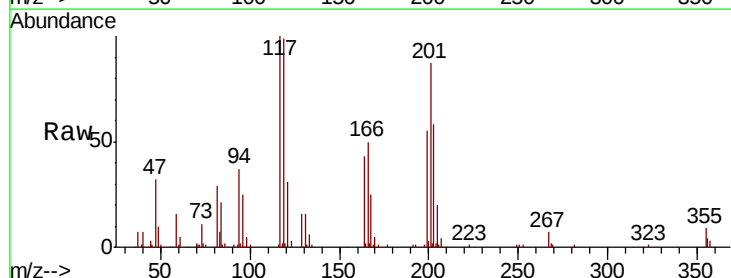
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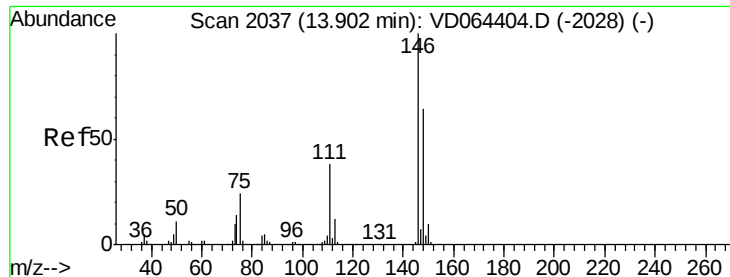
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#90
Hexachloroethane
Concen: 21.154 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	85.8	44.3	132.8	





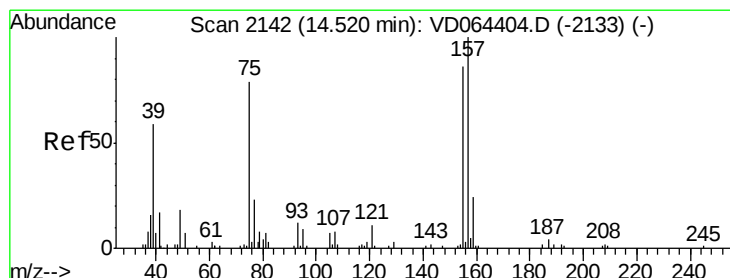
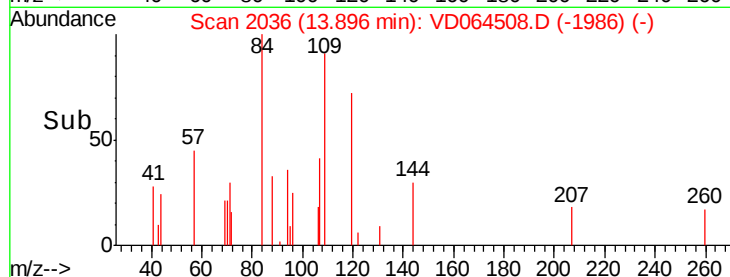
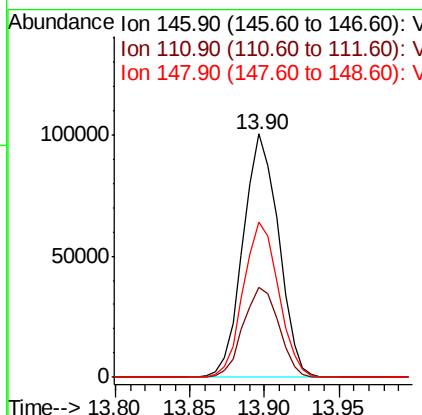
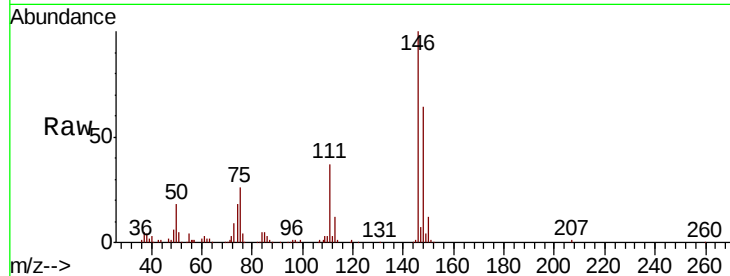
#91
 1,2-Dichlorobenzene
 Concen: 20.650 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.1	57.3
148	63.3	32.0	96.0

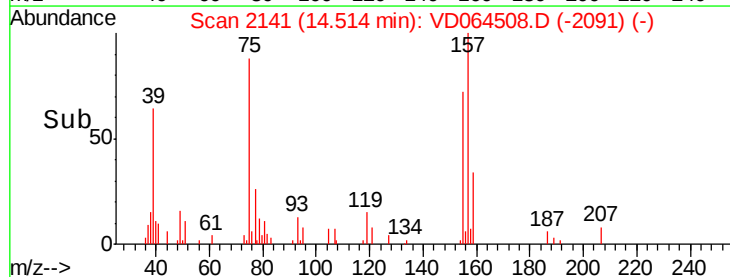
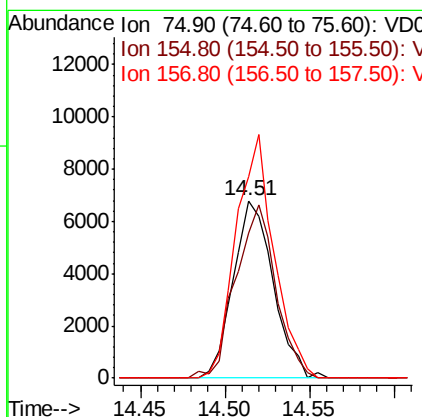
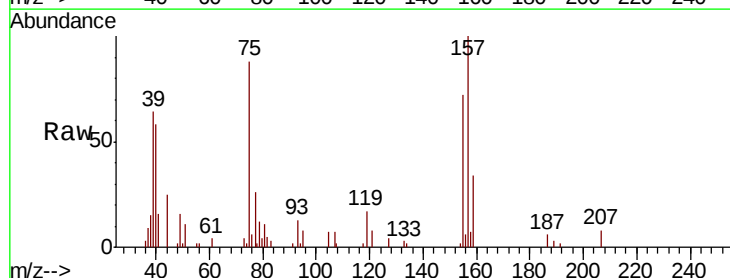
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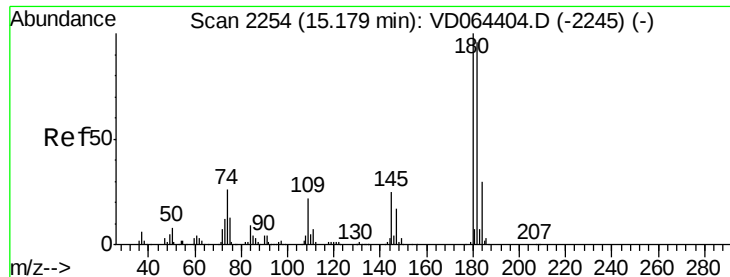
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.962 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.1	51.9	155.7
157	130.4	63.2	189.8





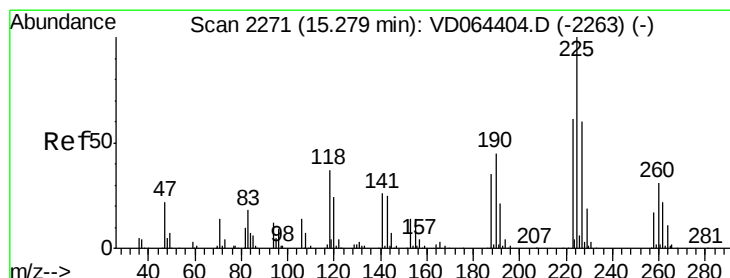
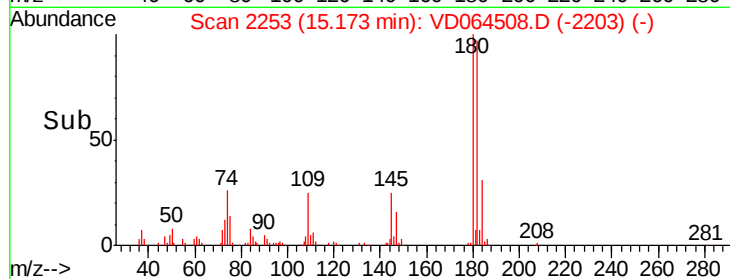
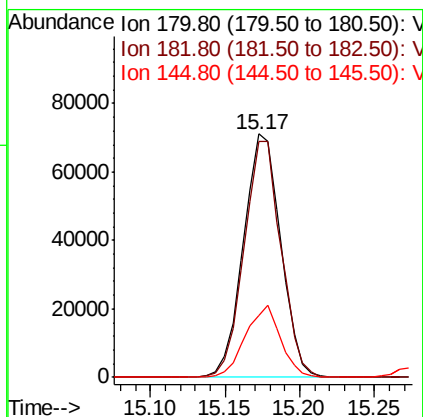
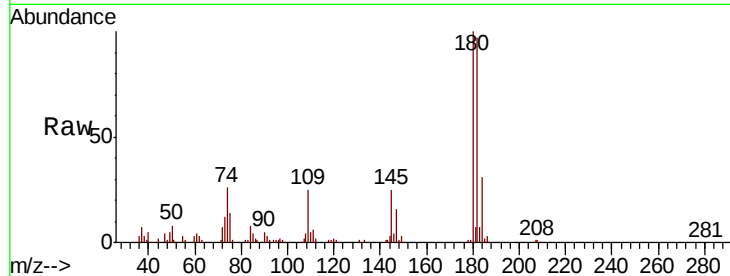
#93
 1,2,4-Trichlorobenzene
 Concen: 19.927 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	122667		
182	96.1	47.4	142.3	
145	27.9	14.0	41.9	

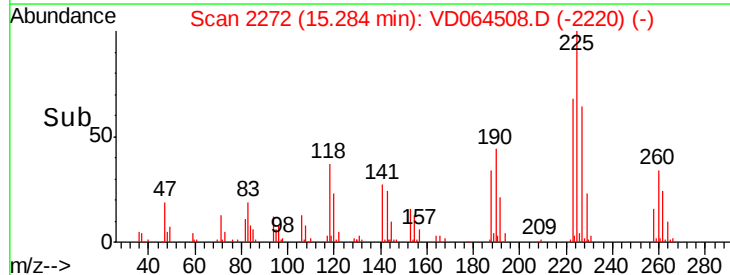
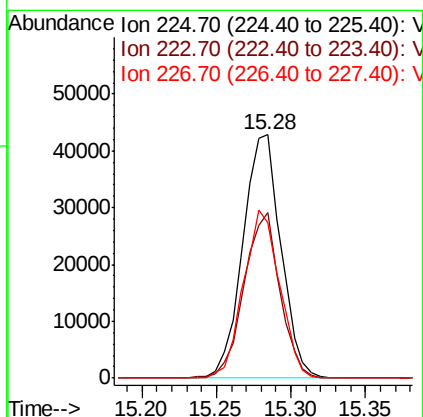
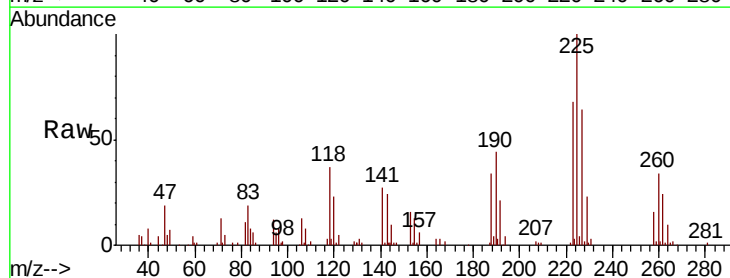
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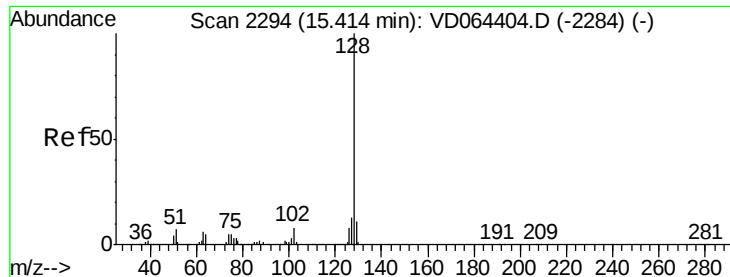
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#94
 Hexachlorobutadiene
 Concen: 19.859 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	75470		
223	64.1	31.1	93.3	
227	65.4	31.8	95.4	





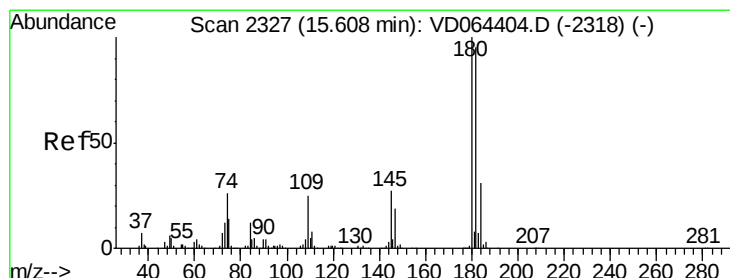
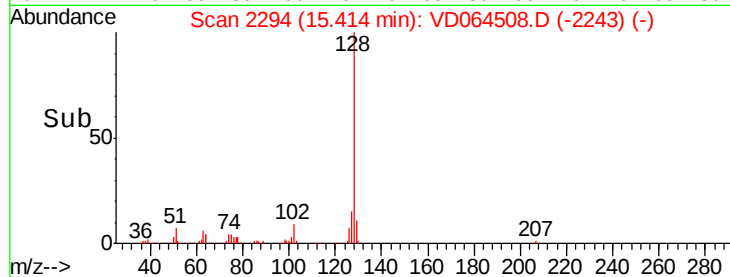
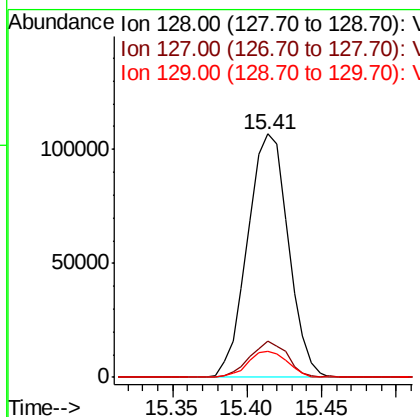
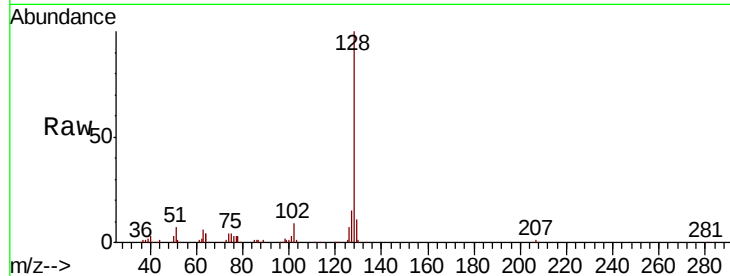
#95
Naphthalene
Concen: 19.601 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	10.5	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.568 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.6	142.9
145	29.5	14.6	43.8

