

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121319\
 Data File : VD064509.D
 Acq On : 13 Dec 2019 16:22
 Operator : VA/SY
 Sample : VD1213SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

Manual Integrations
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Quant Time: Dec 16 05:44:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	400694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	588036	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	531801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	263386	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	182547	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
35) Dibromofluoromethane	7.92	113	185723	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
50) Toluene-d8	10.34	98	699044	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.64	95	229026	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77486	21.342	ug/l	96
3) Chloromethane	2.21	50	100585	21.965	ug/l	99
4) Vinyl Chloride	2.35	62	119289	22.561	ug/l	95
5) Bromomethane	2.76	94	81590	20.867	ug/l	92
6) Chloroethane	2.91	64	80586	22.803	ug/l	100
7) Trichlorofluoromethane	3.27	101	199738	22.724	ug/l	95
8) Diethyl Ether	3.71	74	39599	21.680	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	84559	22.437	ug/l	96
10) Methyl Iodide	4.29	142	85032	21.365	ug/l	99
11) Tert butyl alcohol	5.26	59	24055	104.193	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	79416	21.989	ug/l	93
13) Acrolein	3.92	56	28241	89.682	ug/l	99
14) Allyl chloride	4.71	41	123016	21.825	ug/l	98
15) Acrylonitrile	5.43	53	85489	107.034	ug/l	97
16) Acetone	4.17	43	80379	109.670	ug/l	96
17) Carbon Disulfide	4.40	76	239102	20.903	ug/l	99
18) Methyl Acetate	4.73	43	46669	21.830	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	176196	21.268	ug/l	96
20) Methylene Chloride	4.96	84	91439	22.070	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	88194	21.588	ug/l	97
22) Diisopropyl ether	6.37	45	240751	21.637	ug/l #	94
23) Vinyl Acetate	6.31	43	705704	107.580	ug/l	99
24) 1,1-Dichloroethane	6.27	63	146421	21.881	ug/l	97
25) 2-Butanone	7.23	43	110021	106.147	ug/l	97
26) 2,2-Dichloropropane	7.21	77	131792	22.647	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	95191	21.372	ug/l	98
28) Bromochloromethane	7.55	49	38714	16.929	ug/l	96
29) Tetrahydrofuran	7.57	42	69602	105.547	ug/l	98
30) Chloroform	7.71	83	151988	21.931	ug/l	94
31) Cyclohexane	7.99	56	139408	21.222	ug/l	90
32) 1,1,1-Trichloroethane	7.91	97	142848	22.233	ug/l	99
36) 1,1-Dichloropropene	8.11	75	122455	22.016	ug/l	99
37) Ethyl Acetate	7.30	43	46961	19.898	ug/l	97
38) Carbon Tetrachloride	8.09	117	131594	22.417	ug/l	97

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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	146957	21.300	ug/l	98
40) Benzene	8.35	78	329317	21.318	ug/l	99
41) Methacrylonitrile	7.53	41	28323	20.926	ug/l #	91
42) 1,2-Dichloroethane	8.43	62	96857	21.500	ug/l	100
43) Isopropyl Acetate	8.46	43	99211	21.380	ug/l	99
44) Trichloroethene	9.11	130	98804	21.233	ug/l	91
45) 1,2-Dichloropropane	9.39	63	81486	22.056	ug/l	94
46) Dibromomethane	9.47	93	45194	21.674	ug/l	99
47) Bromodichloromethane	9.66	83	118114	22.045	ug/l	99
48) Methyl methacrylate	9.46	41	46573	21.933	ug/l	96
49) 1,4-Dioxane	9.46	88	11317	439.513	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	249009	108.453	ug/l	100
52) Toluene	10.40	92	215856	21.441	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	110254	21.592	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	130886	21.577	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	62077	21.742	ug/l	95
56) Ethyl methacrylate	10.66	69	78310	21.504	ug/l	99
57) 1,3-Dichloropropane	10.94	76	106233	21.857	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	166134	114.441	ug/l	100
59) 2-Hexanone	10.98	43	168918	106.026	ug/l	98
60) Dibromochloromethane	11.14	129	84941	21.942	ug/l	98
61) 1,2-Dibromoethane	11.25	107	62469	21.913	ug/l	95
64) Tetrachloroethene	10.88	164	85115	20.988	ug/l	96
65) Chlorobenzene	11.67	112	233280	21.032	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	87186	21.234	ug/l	99
67) Ethyl Benzene	11.74	91	413644	20.960	ug/l	99
68) m/p-Xylenes	11.86	106	314225	41.760	ug/l	100
69) o-Xylene	12.18	106	142533	20.510	ug/l	97
70) Styrene	12.20	104	252074	20.873	ug/l	99
71) Bromoform	12.37	173	51218	20.850	ug/l #	94
73) Isopropylbenzene	12.48	105	395422	20.874	ug/l	100
74) N-amyl acetate	12.29	43	88106	20.493	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	66053	21.086	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	48960m	22.604	ug/l	
77) Bromobenzene	12.76	156	98252	21.003	ug/l	100
78) n-propylbenzene	12.83	91	455831	20.856	ug/l	99
79) 2-Chlorotoluene	12.91	91	250969	20.868	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	324063	20.934	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	21256	21.399	ug/l	99
82) 4-Chlorotoluene	13.01	91	264980	20.810	ug/l	100
83) tert-Butylbenzene	13.23	119	283793	21.087	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	321323	20.643	ug/l	98
85) sec-Butylbenzene	13.41	105	387366	20.972	ug/l	99
86) p-Isopropyltoluene	13.53	119	361698	20.742	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	181233	20.412	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	182036	20.767	ug/l	99
89) n-Butylbenzene	13.85	91	325811	20.574	ug/l	99
90) Hexachloroethane	14.12	117	69864	21.420	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	156246	20.592	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10153	18.972	ug/l	95

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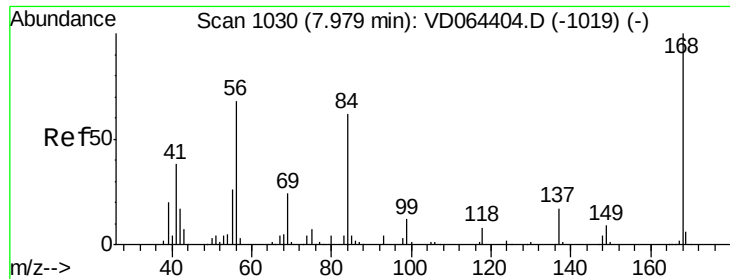
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Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	119084	20.493	ug/l	99
94) Hexachlorobutadiene	15.28	225	74529	20.775	ug/l	99
95) Naphthalene	15.41	128	197622	20.378	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	103159	20.797	ug/l	98

(#) = 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: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

Tot Ion:168 Resp: 400694

Ion Ratio Lower Upper

168 100

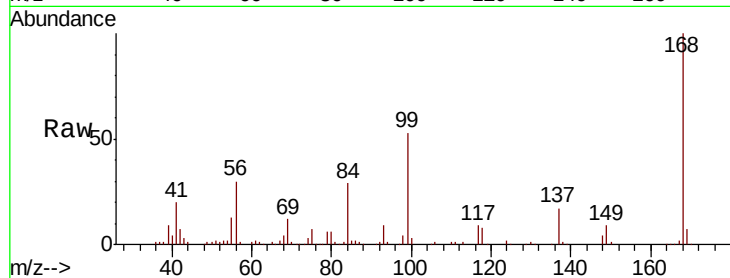
99 52.6 40.7 61.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

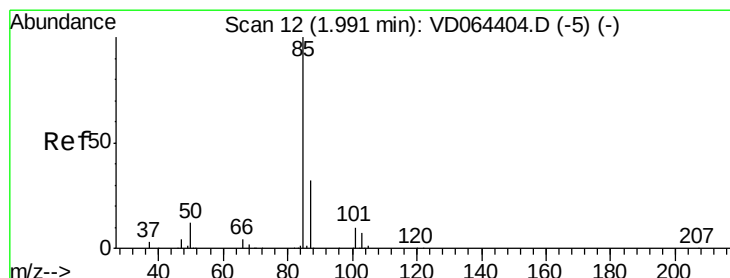
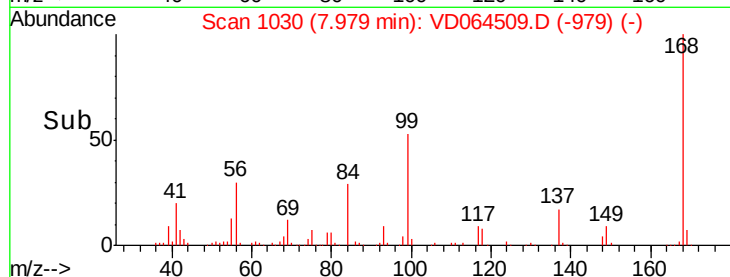
150000

100000

50000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: 21.342 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064509.D

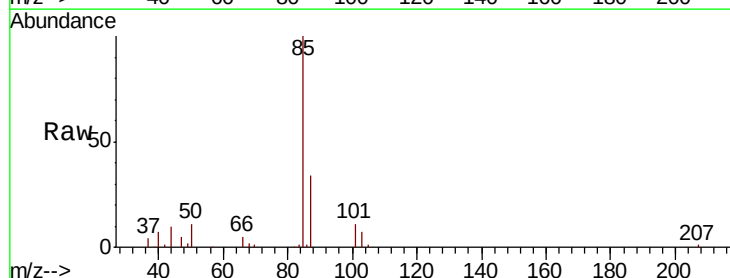
Acq: 13 Dec 2019 16:22

Tgt Ion: 85 Resp: 77486

Ion Ratio Lower Upper

85 100

87 34.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

50000

40000

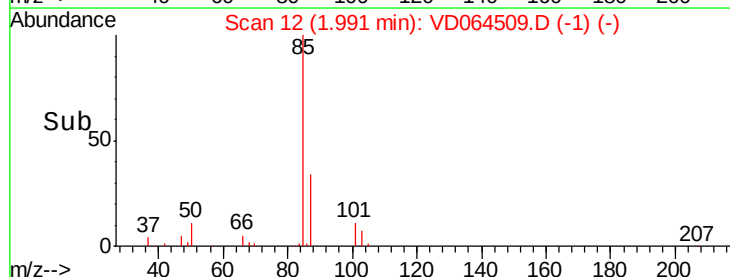
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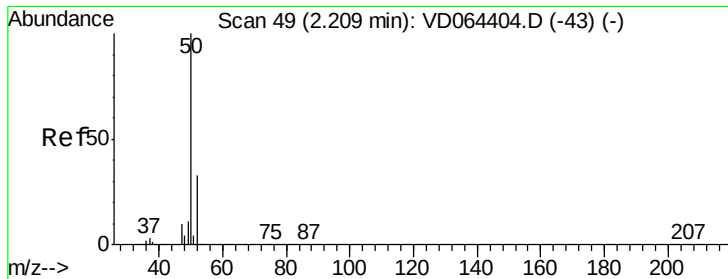
20000

10000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 21.965 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBSD01

Tot Ion: 50 Resp: 100585

Ion Ratio Lower Upper

50 100

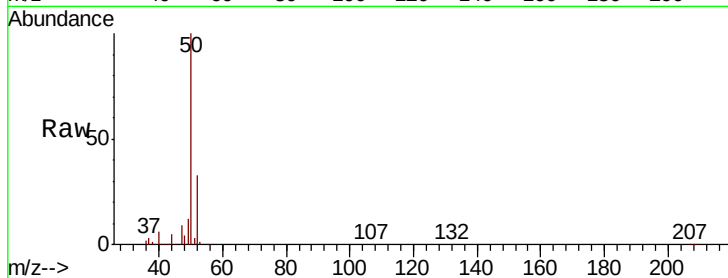
52 32.9 26.7 40.1

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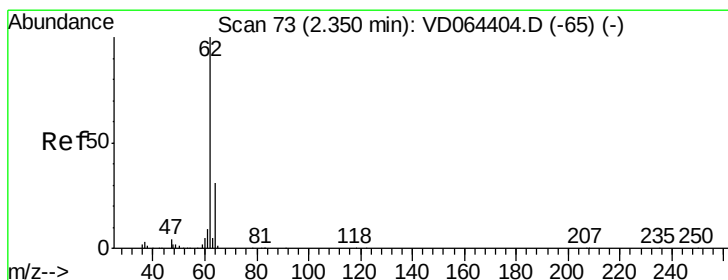
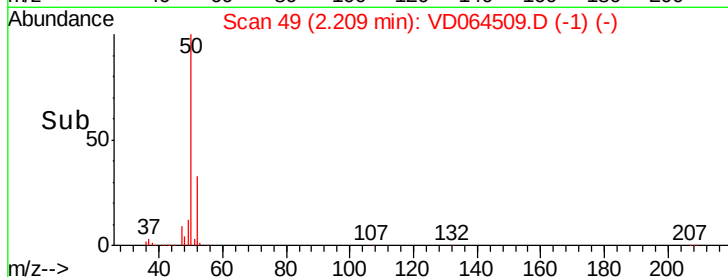
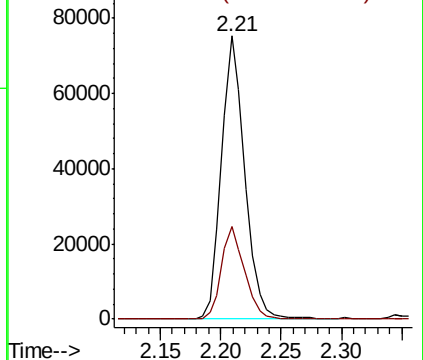
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.561 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064509.D

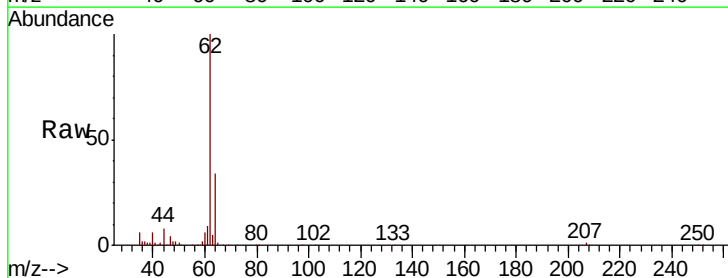
Acq: 13 Dec 2019 16:22

Tgt Ion: 62 Resp: 119289

Ion Ratio Lower Upper

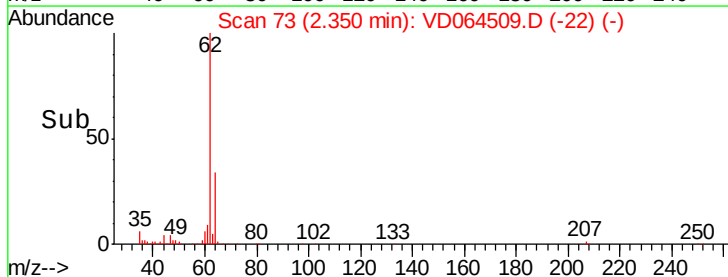
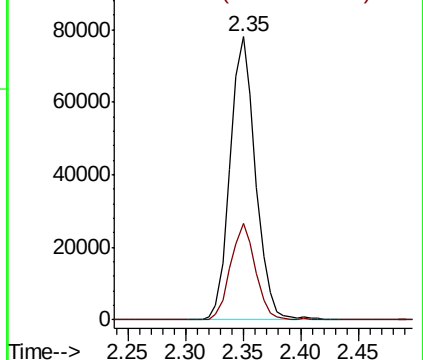
62 100

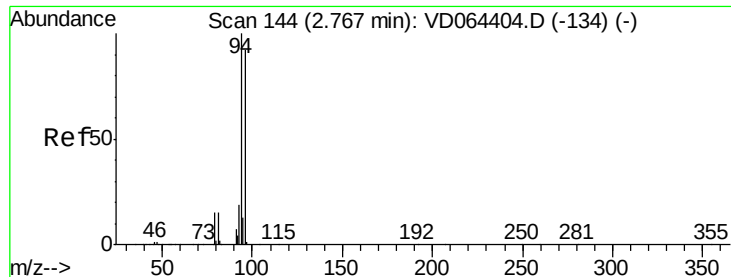
64 33.8 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.867 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBSD01

Tot Ion: 94 Resp: 81590

Ion Ratio Lower Upper

94 100

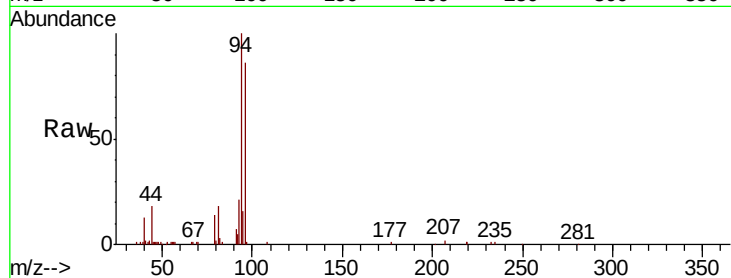
96 84.7 73.6 110.4

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

40000

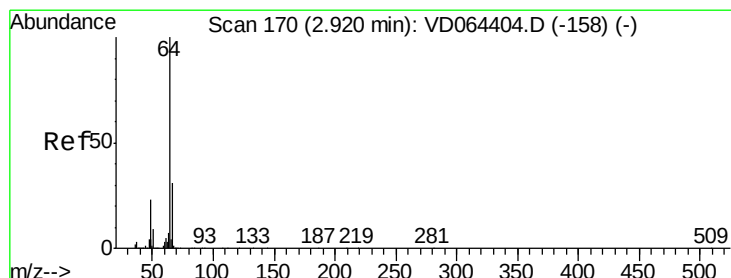
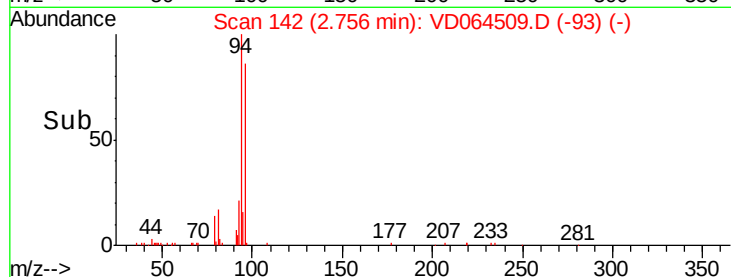
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 22.803 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064509.D

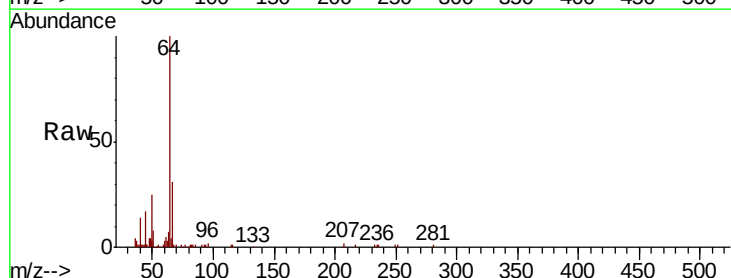
Acq: 13 Dec 2019 16:22

Tgt Ion: 64 Resp: 80586

Ion Ratio Lower Upper

64 100

66 31.0 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.91

40000

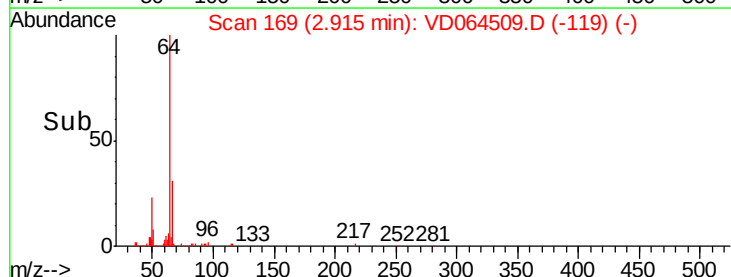
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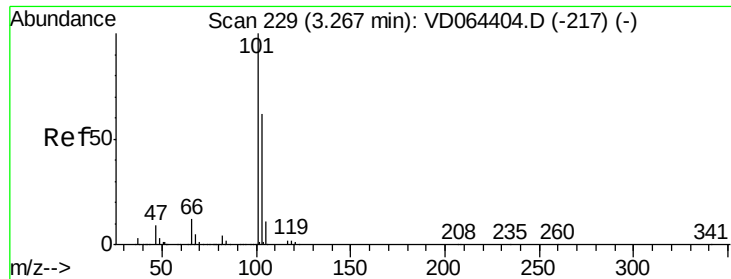
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Time-->





#7

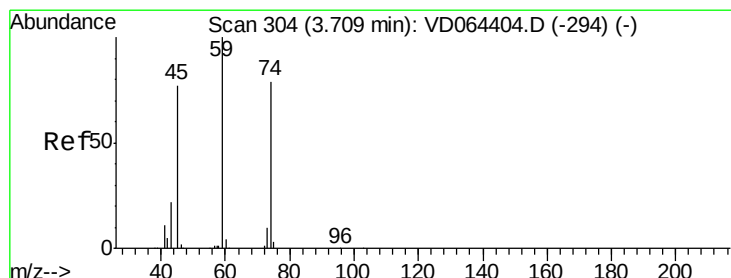
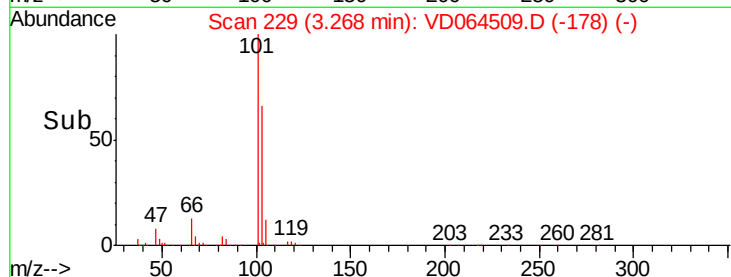
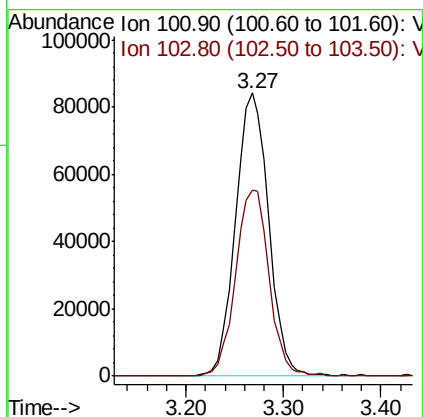
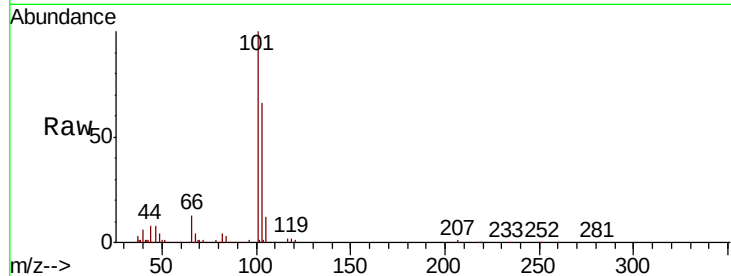
Trichlorofluoromethane
 Concen: 22.724 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	199738		
103	65.8	49.8	74.6	

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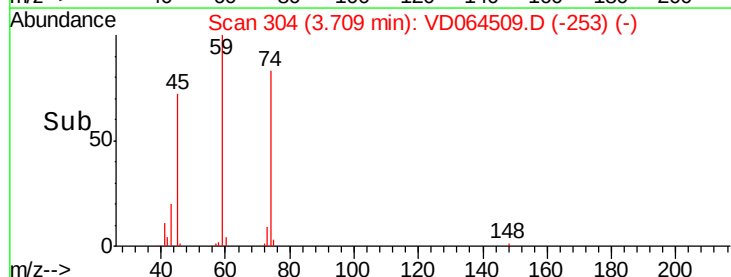
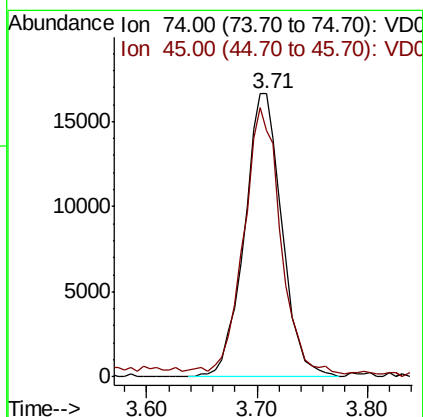
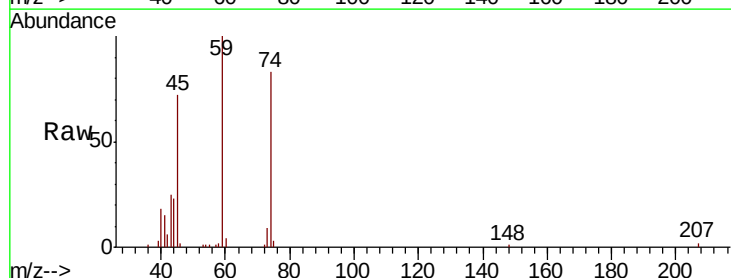
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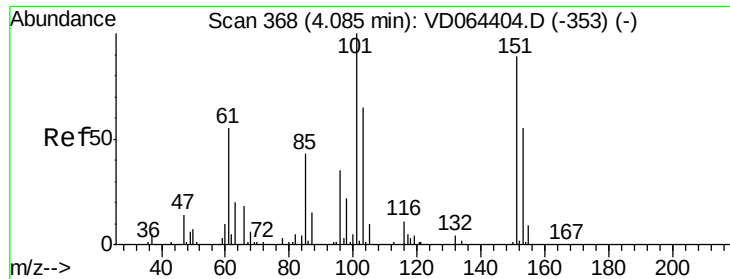


#8

Diethyl Ether
 Concen: 21.680 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	39599		
45	92.5	48.6	145.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.437 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

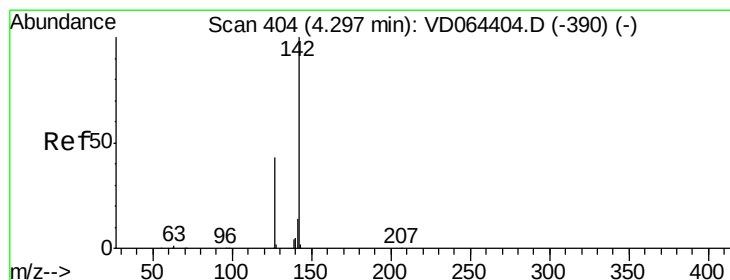
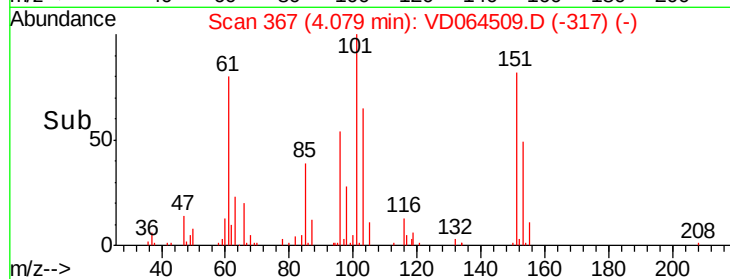
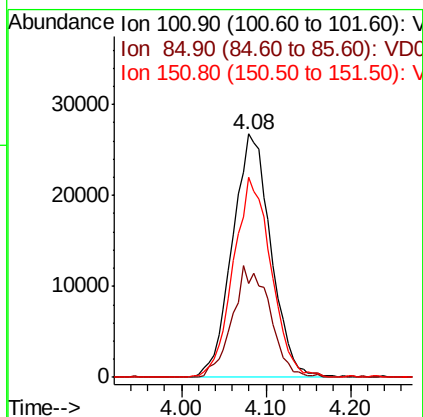
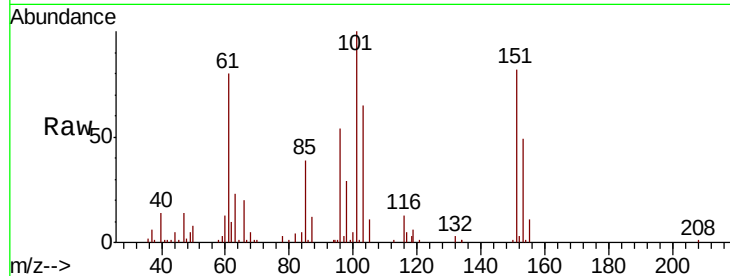
ClientSampleId :

VD1213SBSD01

Tot Ion:	101	Resp:	84559
Ion Ratio	Lower	Upper	
101	100		
85	44.5	34.8	52.2
151	80.6	68.8	103.2

Manual Integrations
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#10

Methyl Iodide

Concen: 21.365 ug/l

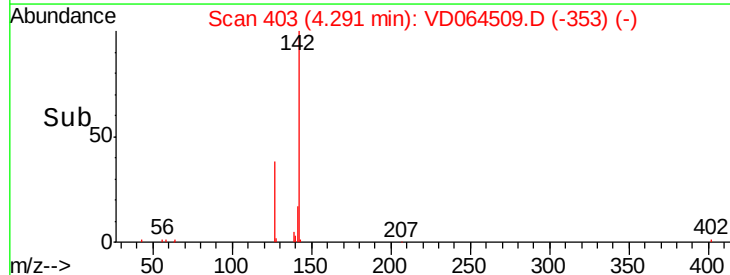
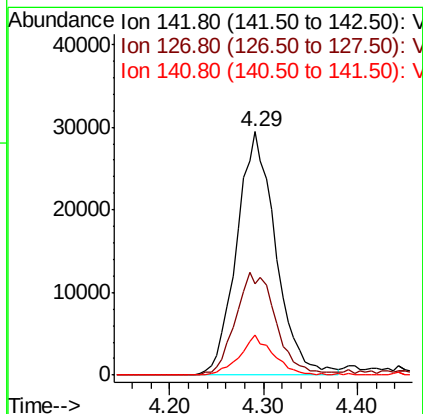
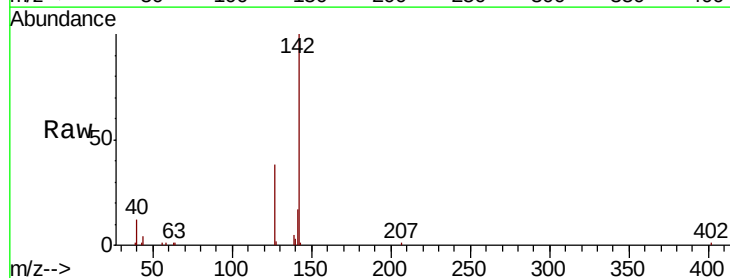
RT: 4.29 min Scan# 403

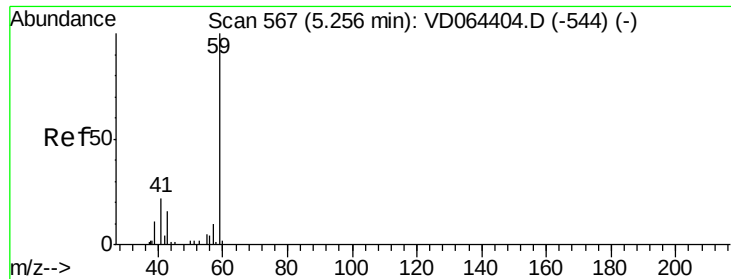
Delta R.T. -0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Tgt Ion:	142	Resp:	85032
Ion Ratio	Lower	Upper	
142	100		
127	43.2	35.3	52.9
141	14.3	11.6	17.4





#11

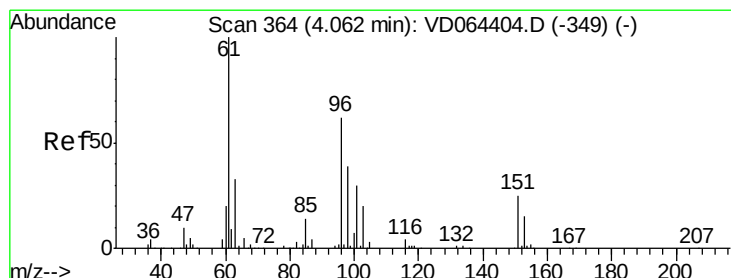
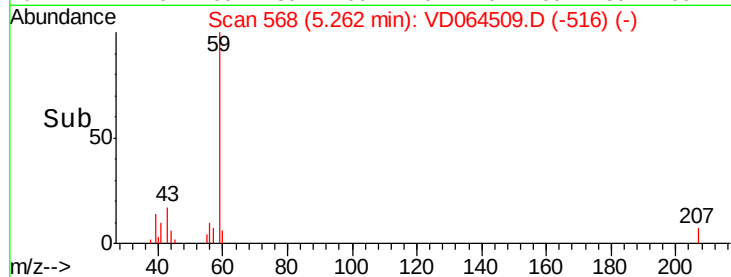
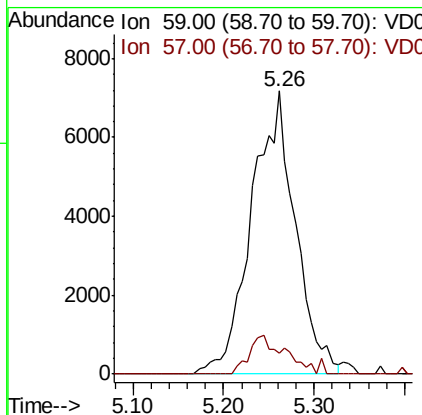
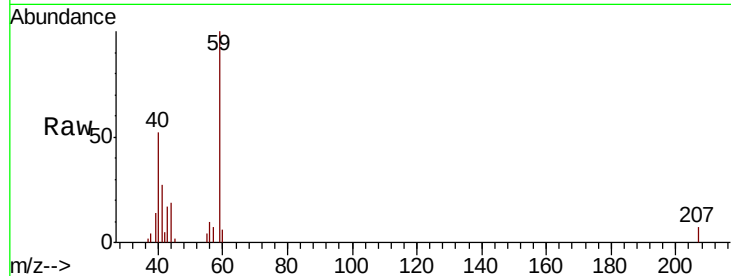
Tert butyl alcohol
Concen: 104.193 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.01 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

Tot Ion: 59 Resp: 24055
Ion Ratio Lower Upper
59 100
57 11.1 0.0 0.0#

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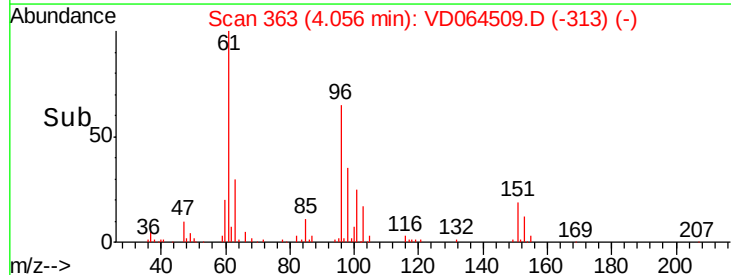
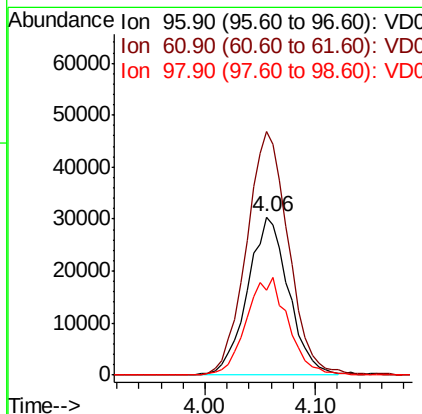
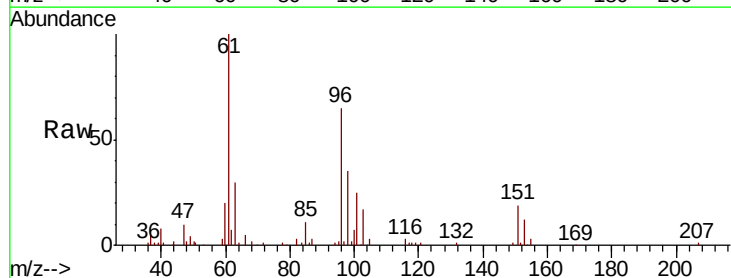
apatel
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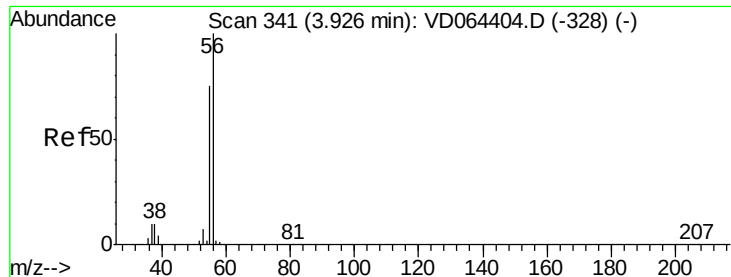


#12

1,1-Dichloroethene
Concen: 21.989 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion: 96 Resp: 79416
Ion Ratio Lower Upper
96 100
61 153.9 128.2 192.4
98 53.7 50.4 75.6





#13

Acrolein

Concen: 89.682 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBSD01

Tot Ion: 56 Resp: 28241

Ion Ratio Lower Upper

56 100

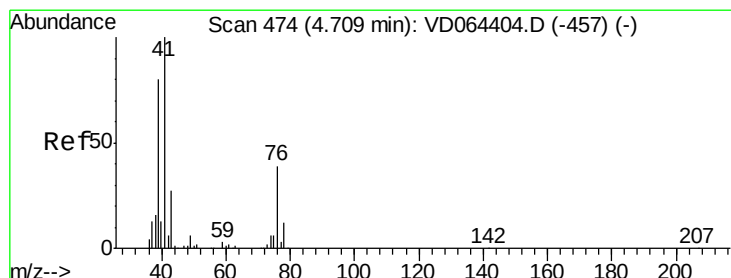
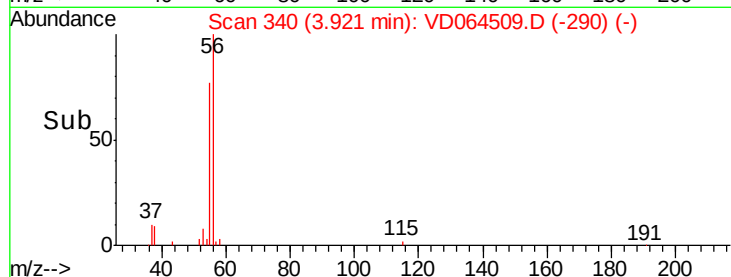
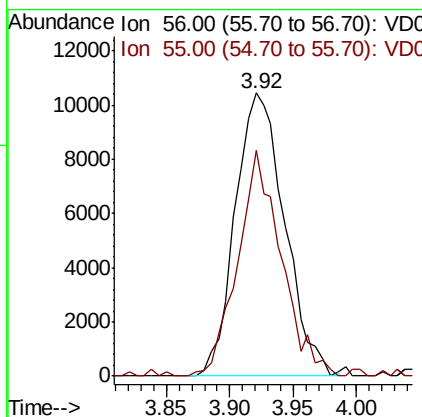
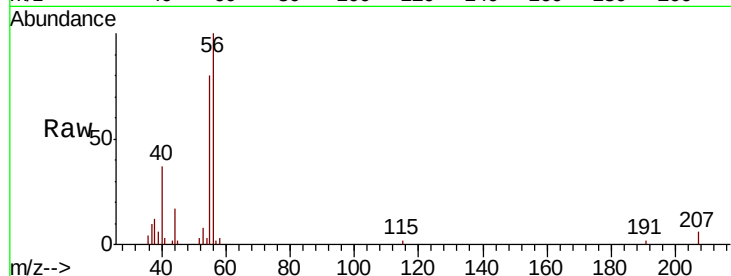
55 70.2 56.9 85.3

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#14

Allyl chloride

Concen: 21.825 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

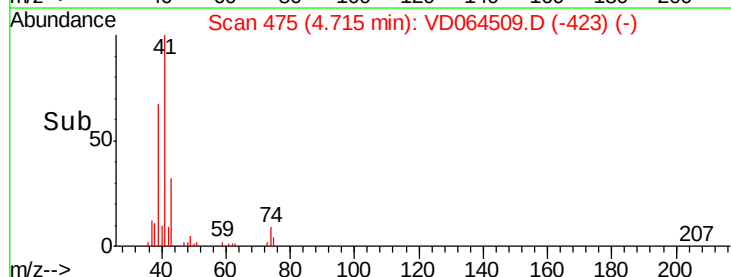
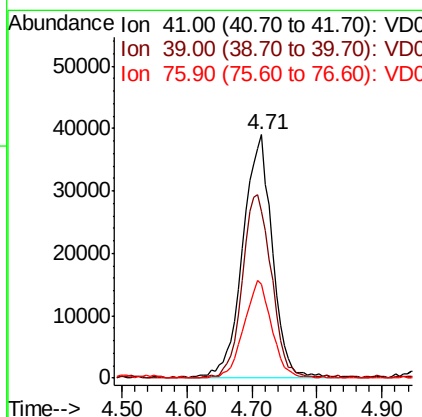
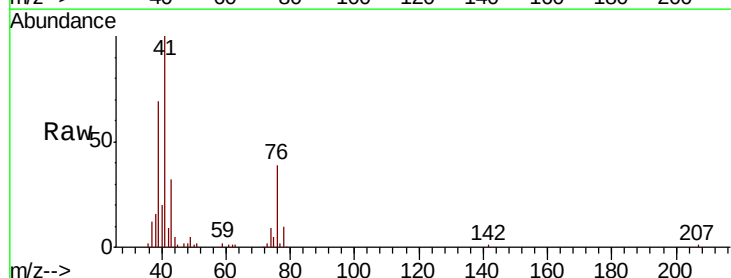
Tgt Ion: 41 Resp: 123016

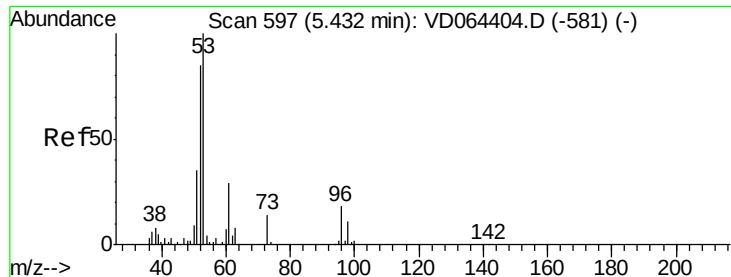
Ion Ratio Lower Upper

41 100

39 74.4 62.1 93.1

76 37.3 29.8 44.8





#15

Acrylonitrile

Concen: 107.034 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

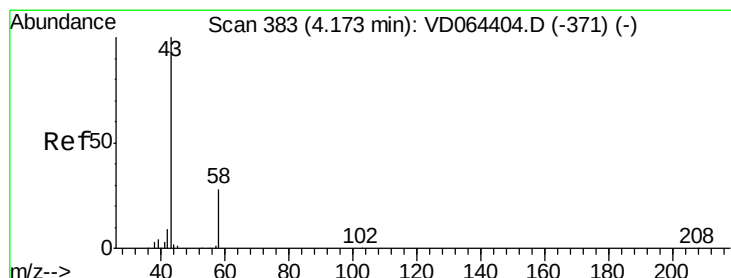
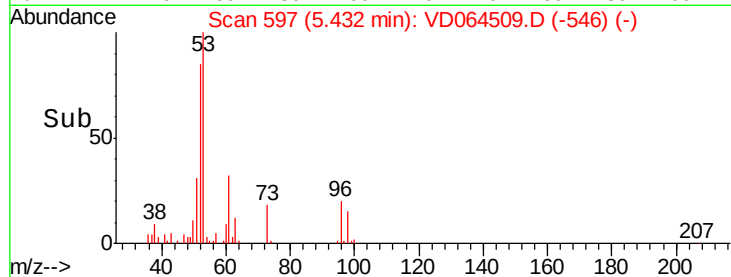
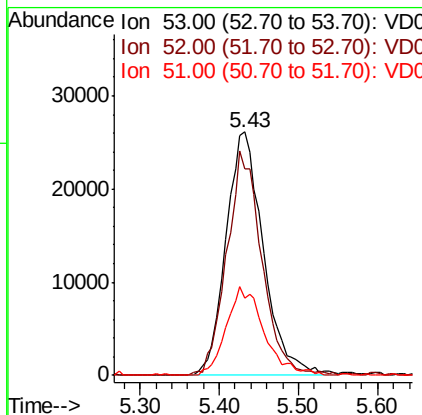
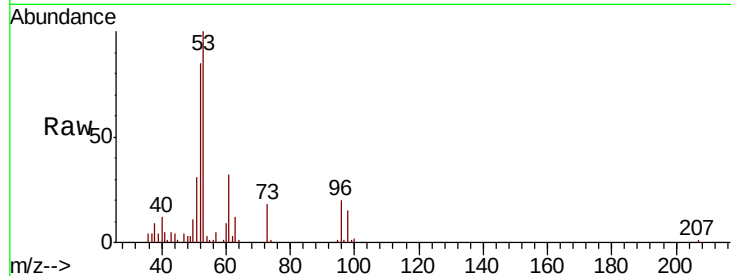
ClientSampleId :

VD1213SBS01

Tot Ion:	53	Resp:	85489
Ion Ratio	Lower	Upper	
53	100		
52	86.6	67.9	101.9
51	35.7	30.6	45.8

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#16

Acetone

Concen: 109.670 ug/l

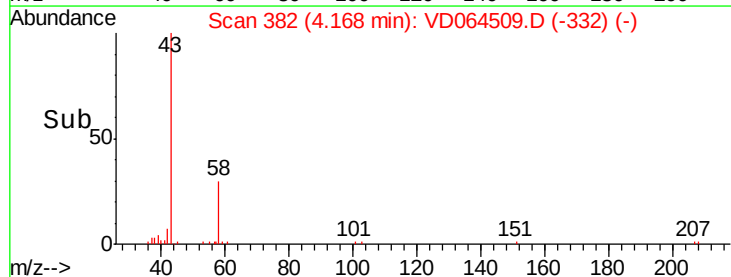
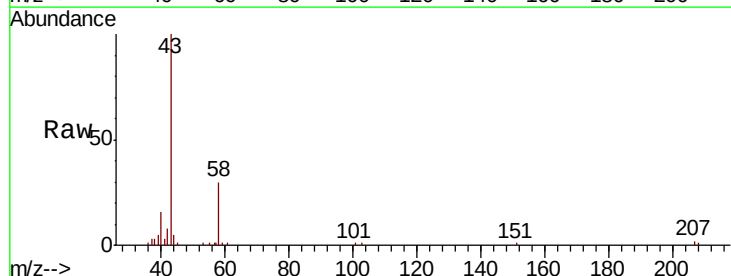
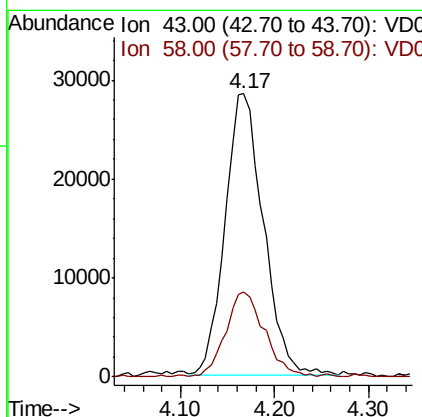
RT: 4.17 min Scan# 382

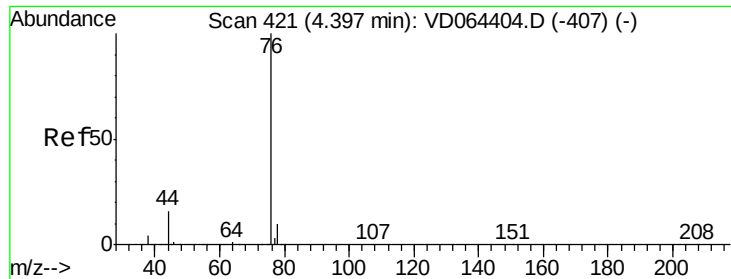
Delta R.T. -0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Tgt Ion:	43	Resp:	80379
Ion Ratio	Lower	Upper	
43	100		
58	30.1	22.6	33.8





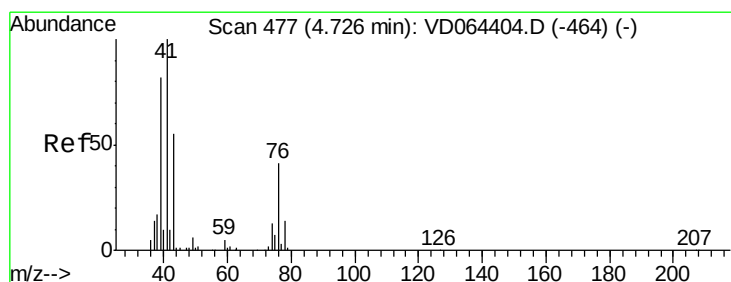
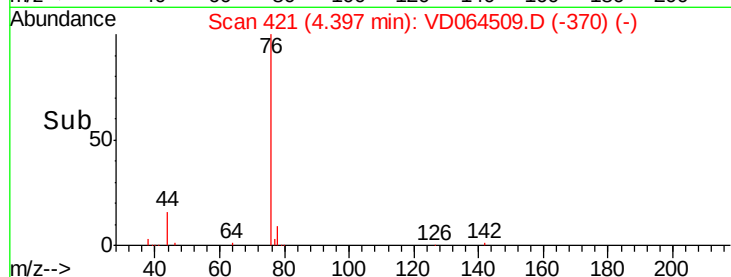
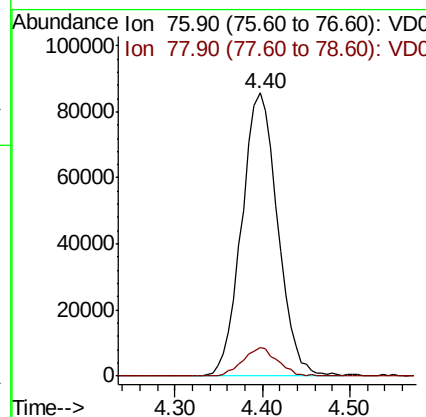
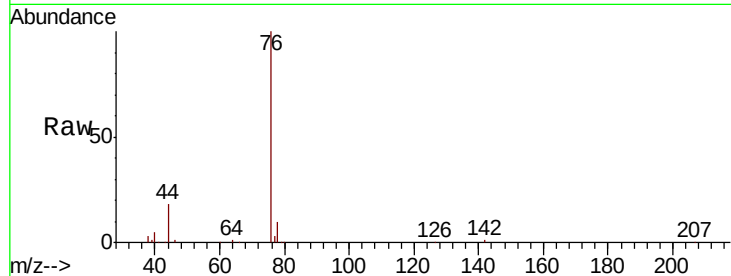
#17
Carbon Disulfide
Concen: 20.903 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.2	7.8	11.8

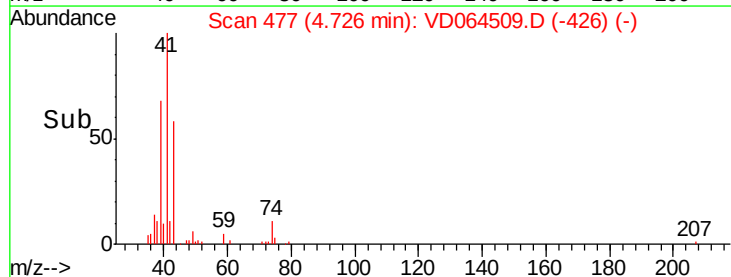
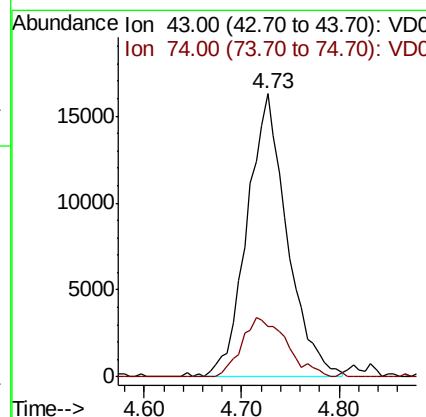
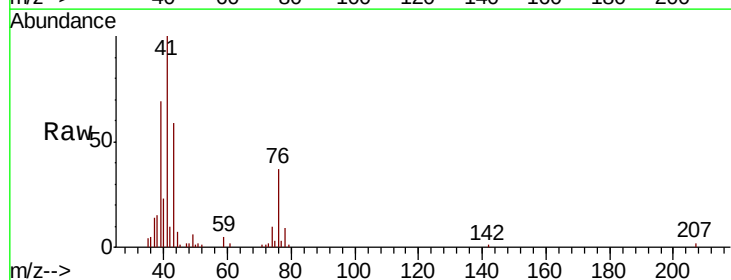
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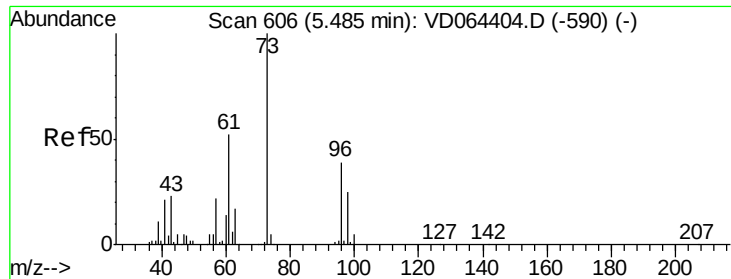
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#18
Methyl Acetate
Concen: 21.830 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.7	29.5





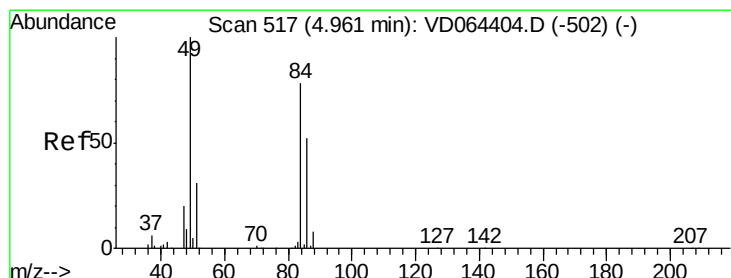
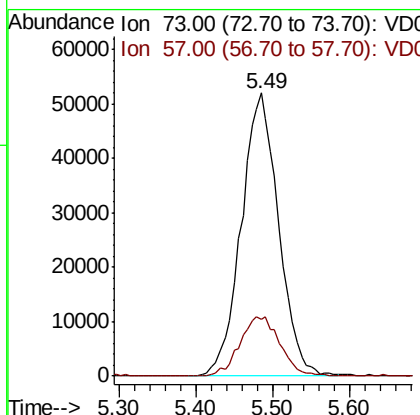
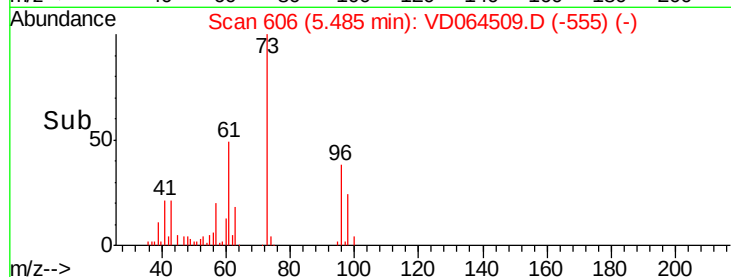
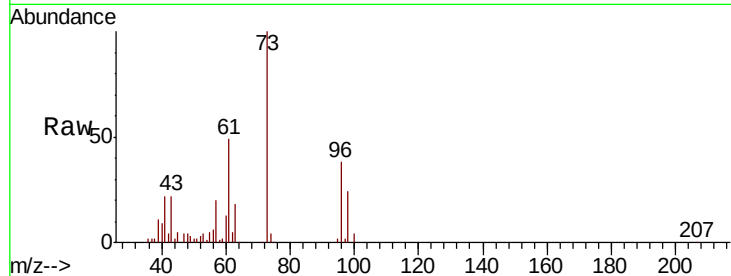
#19
Methyl tert-butyl Ether
Concen: 21.268 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tot Ion: 73 Resp: 176196
Ion Ratio Lower Upper
73 100
57 20.2 17.6 26.4

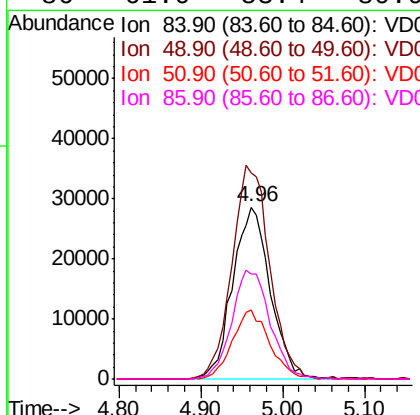
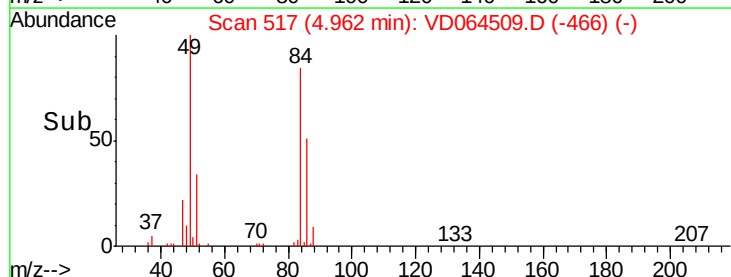
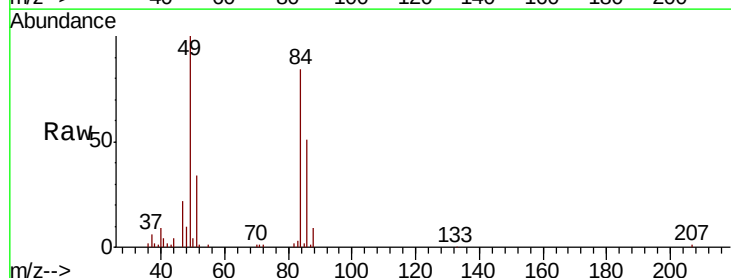
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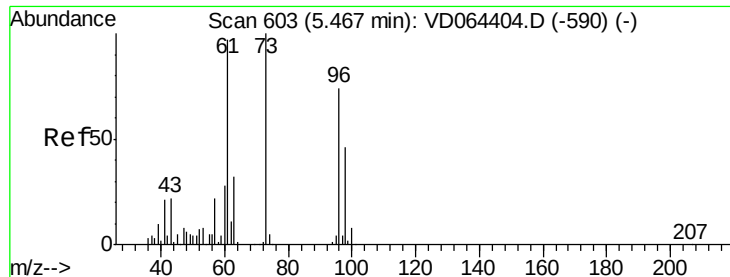
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#20
Methylene Chloride
Concen: 22.070 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion: 84 Resp: 91439
Ion Ratio Lower Upper
84 100
49 119.5 102.6 153.8
51 40.3 32.0 48.0
86 61.0 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 21.588 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBSD01

Tot Ion: 96 Resp: 88194

Ion Ratio Lower Upper

96 100

61 127.9 105.8 158.6

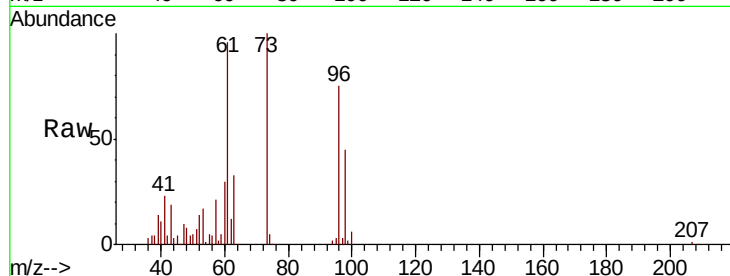
98 60.7 50.1 75.1

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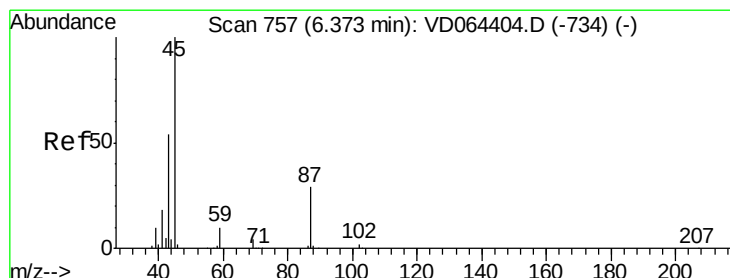
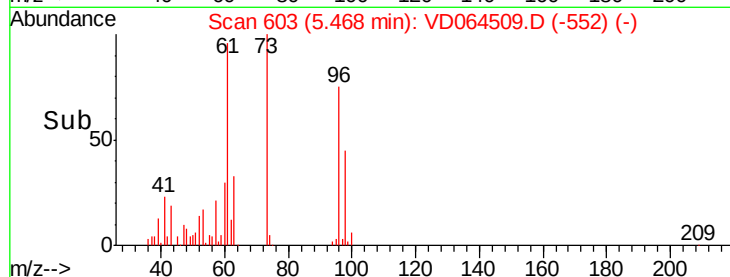
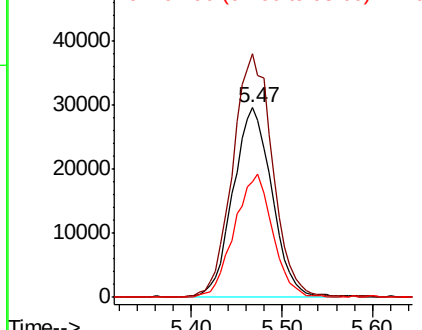


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 21.637 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Tgt Ion: 45 Resp: 240751

Ion Ratio Lower Upper

45 100

43 56.6 43.1 64.7

87 23.0 23.5 35.3#

59 11.1 8.2 12.2

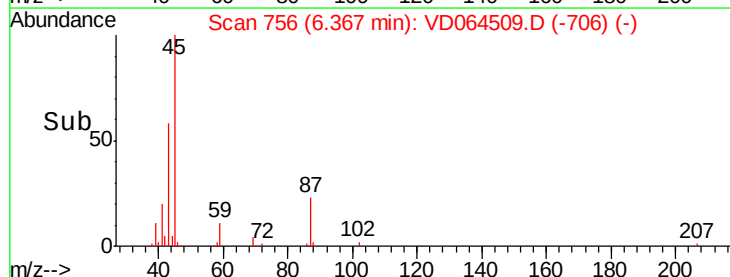
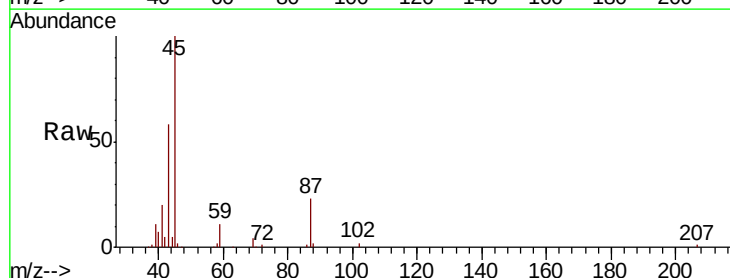
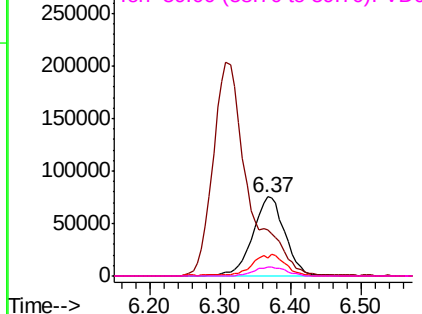
Abundance

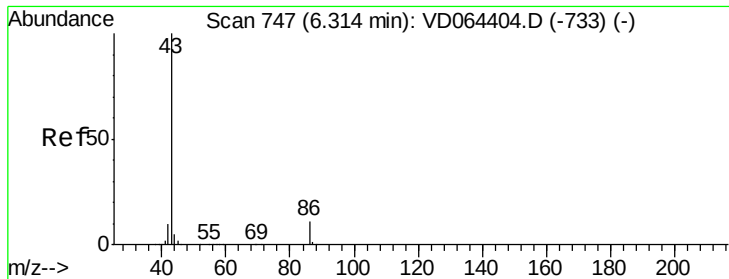
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 107.580 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

Tot Ion: 43 Resp: 705704

Ion Ratio Lower Upper

43 100

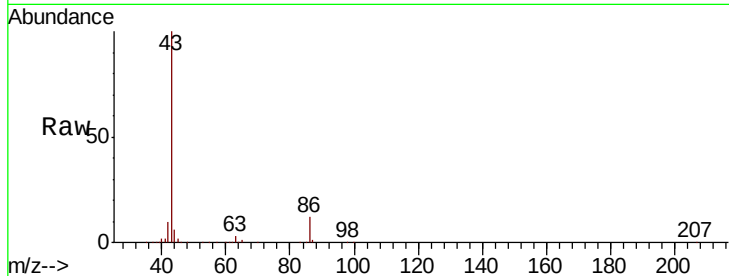
86 11.6 8.9 13.3

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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

200000

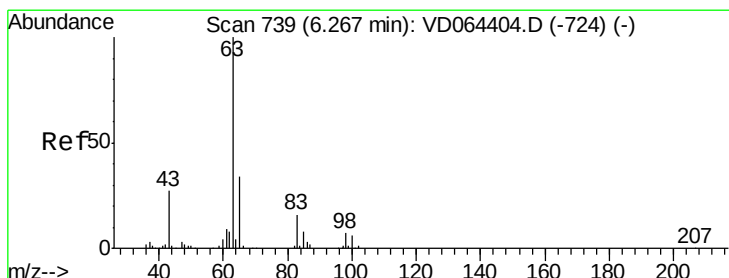
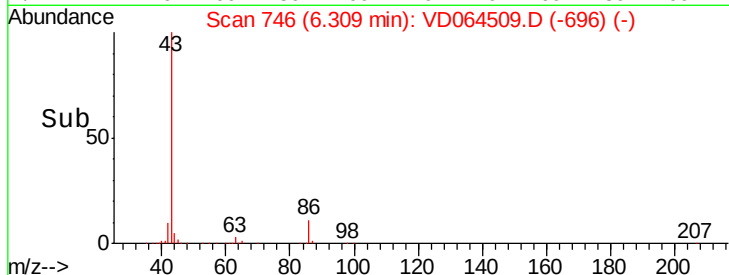
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.881 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

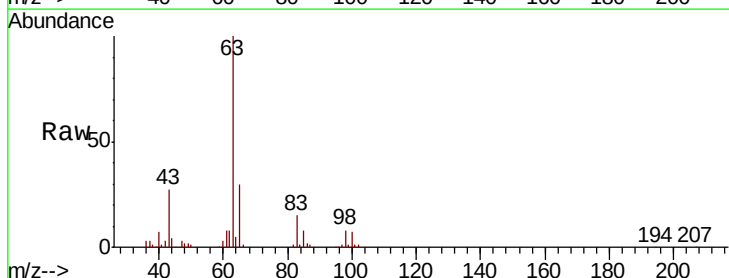
Tgt Ion: 63 Resp: 146421

Ion Ratio Lower Upper

63 100

98 7.9 3.6 10.9

100 6.9 2.9 8.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

60000

50000

40000

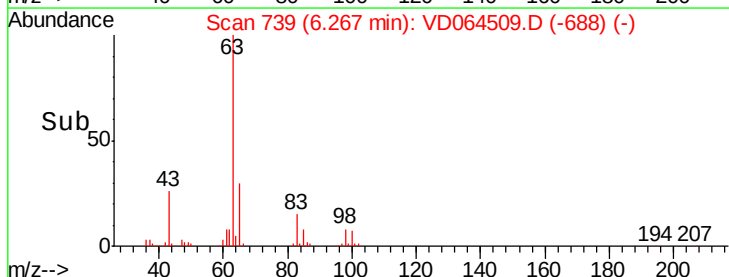
30000

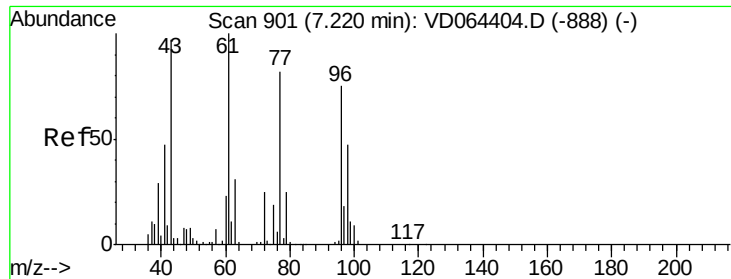
20000

10000

0

Time-->





#25

2-Butanone

Concen: 106.147 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

Tot Ion: 43 Resp: 110021

Ion Ratio Lower Upper

43 100

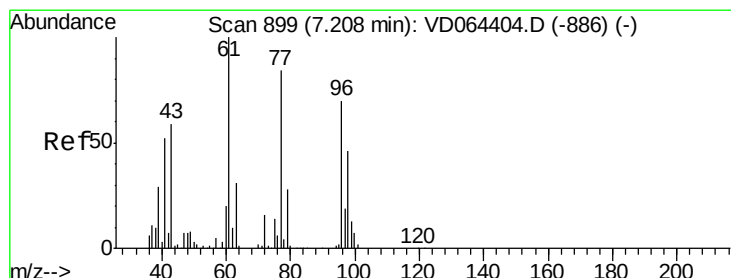
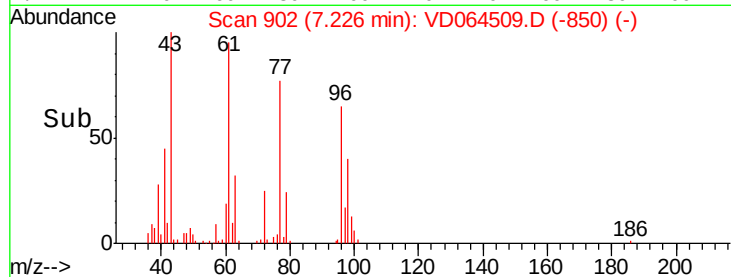
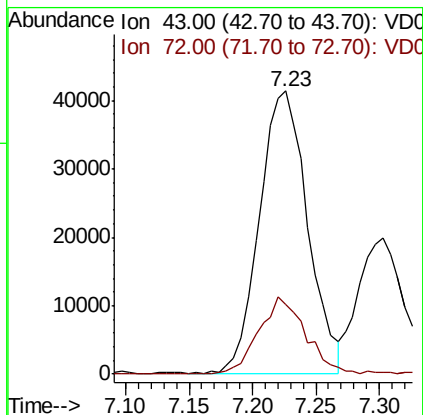
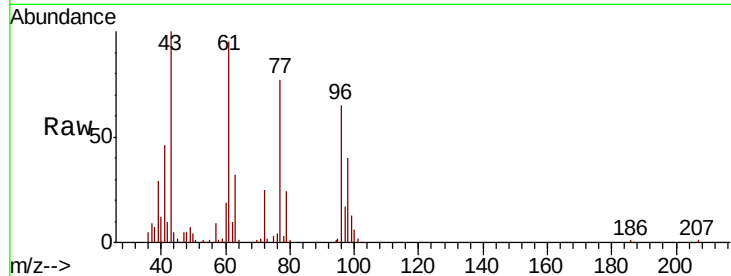
72 24.6 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 22.647 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064509.D

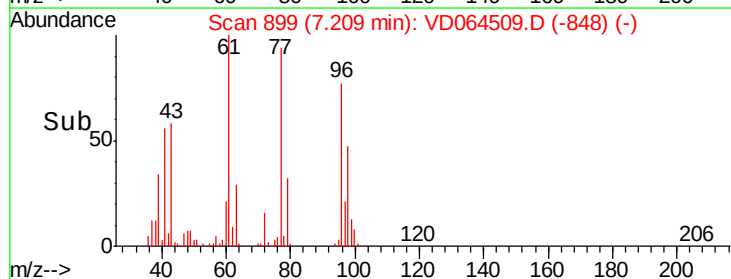
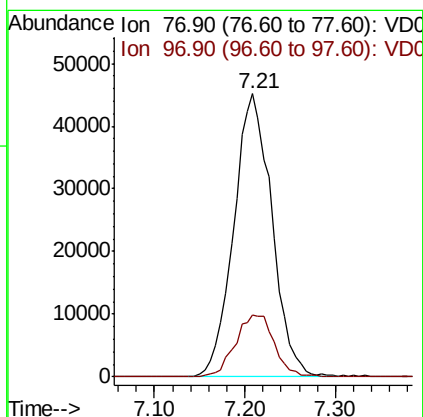
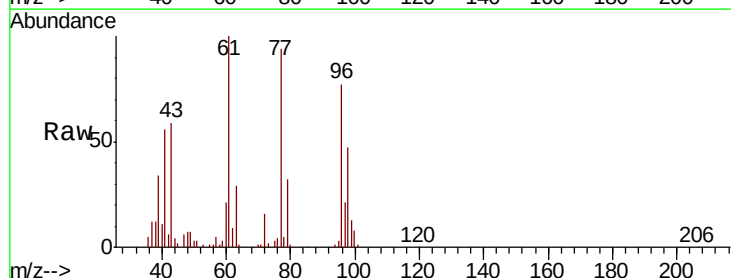
Acq: 13 Dec 2019 16:22

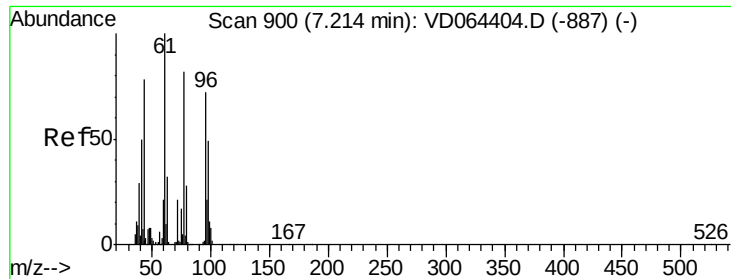
Tgt Ion: 77 Resp: 131792

Ion Ratio Lower Upper

77 100

97 22.3 11.6 34.7





#27

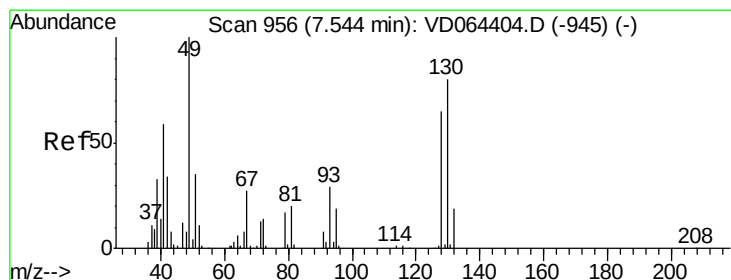
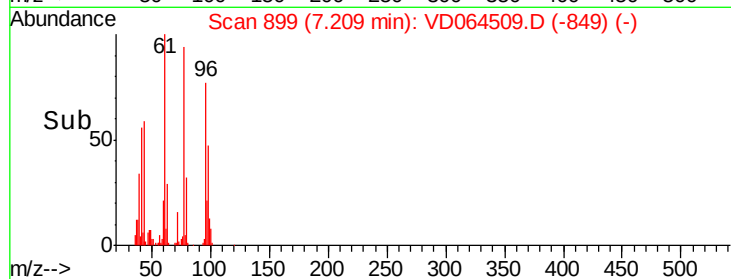
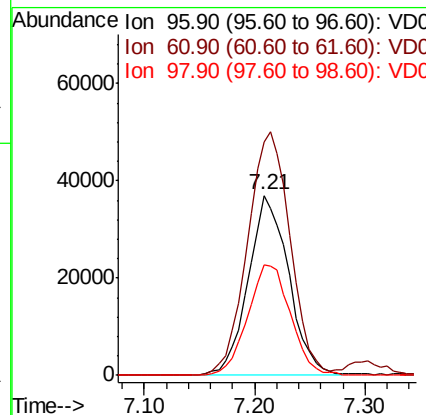
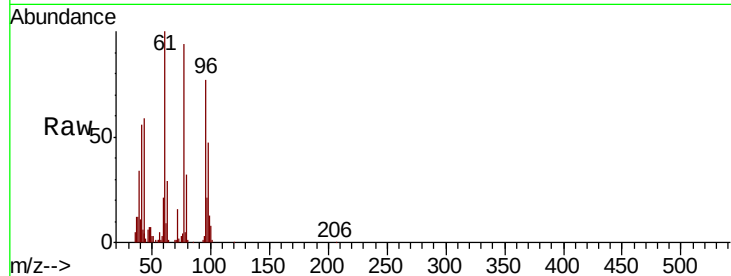
cis-1,2-Dichloroethene
Concen: 21.372 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	142.4	0.0	279.6		
98	64.8	0.0	129.2		

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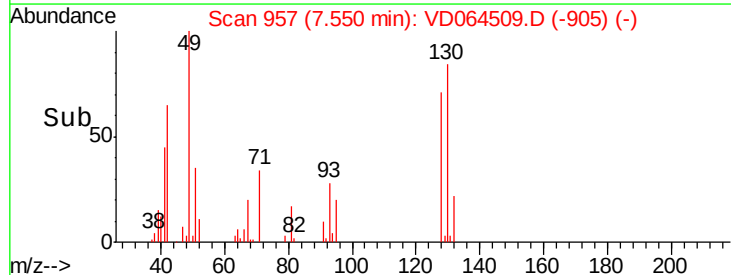
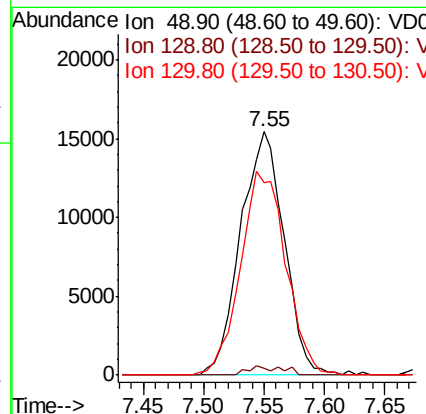
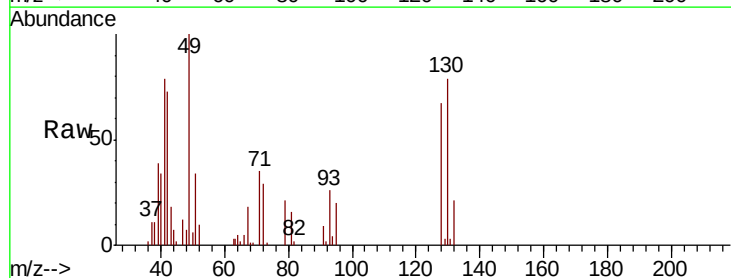
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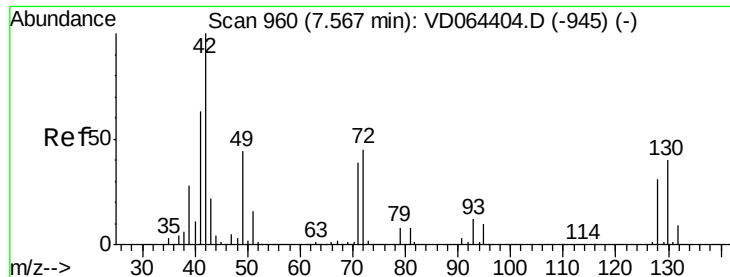


#28

Bromochloromethane
Concen: 16.929 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	1.7	0.0	4.4		
130	87.4	67.4	101.0		





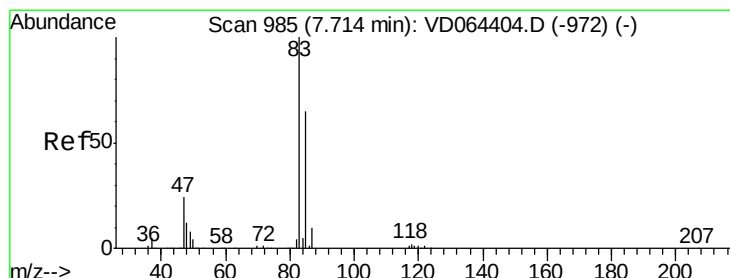
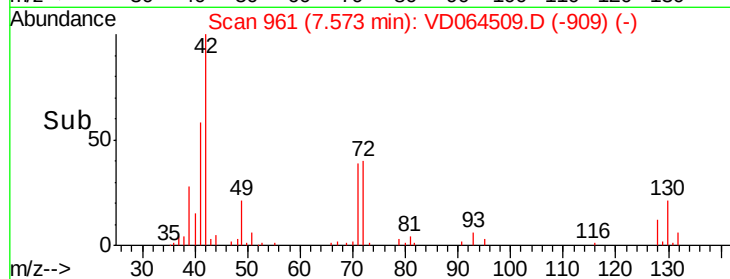
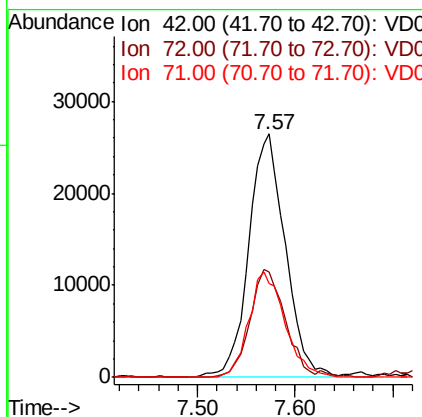
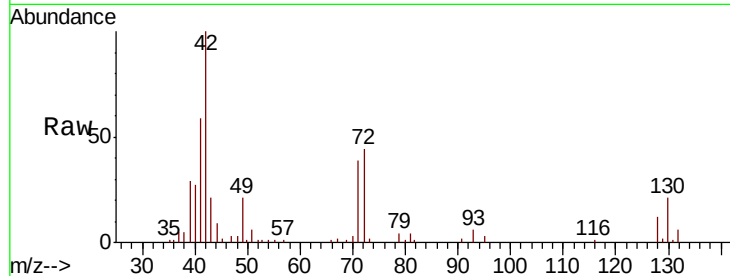
#29
Tetrahydrofuran
Concen: 105.547 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	35.8	53.8
71	42.5	32.7	49.1

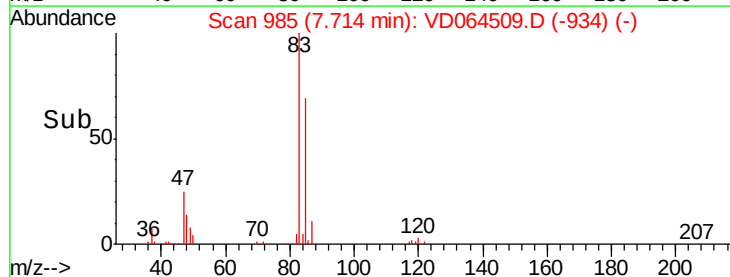
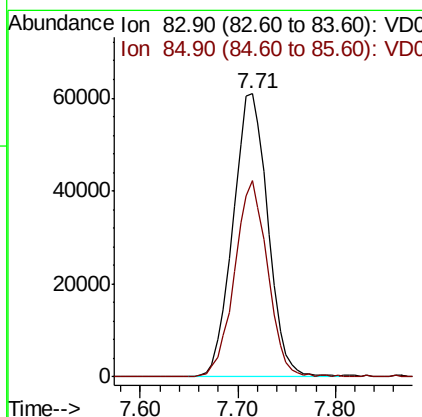
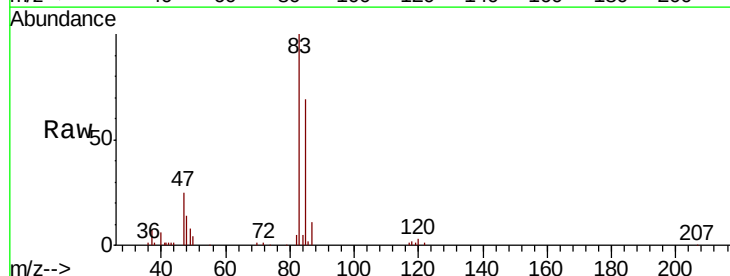
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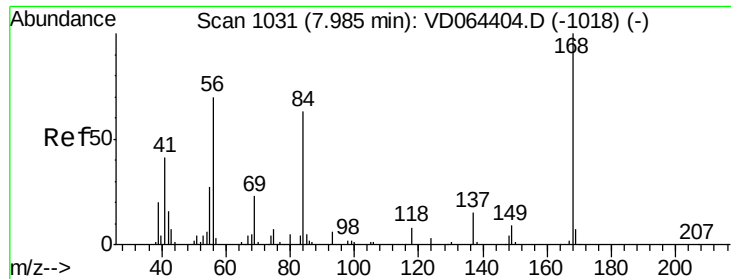
apatel
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#30
Chloroform
Concen: 21.931 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.3	51.8	77.6





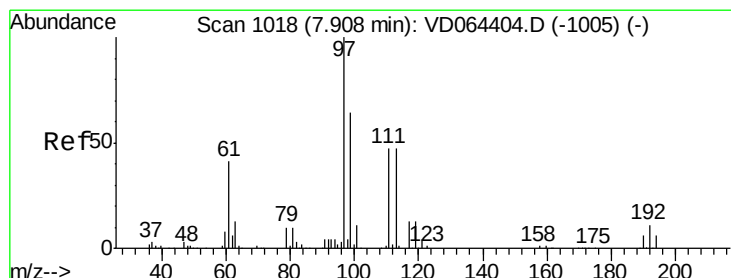
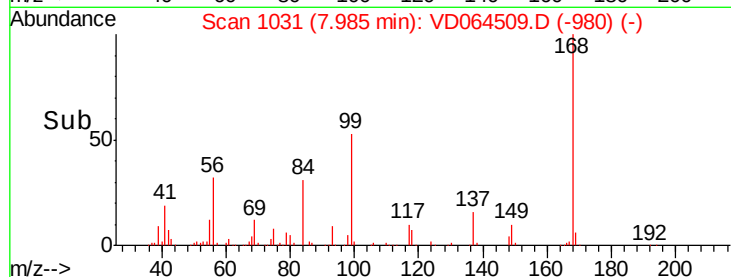
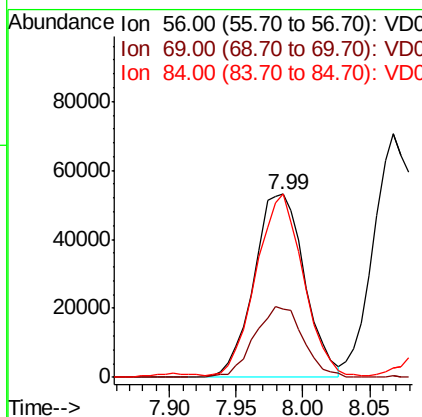
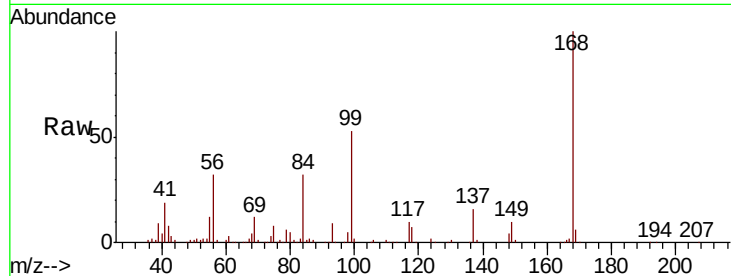
#31
Cyclohexane
Concen: 21.222 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.0	26.2	39.4
84	98.7	70.3	105.5

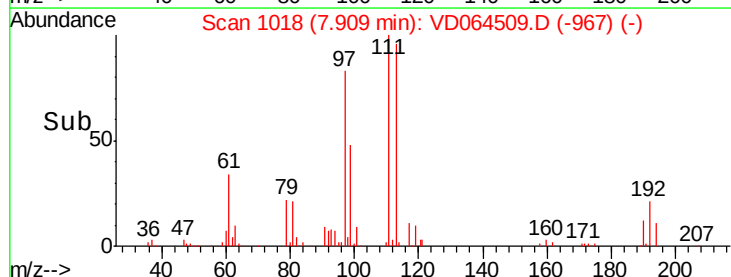
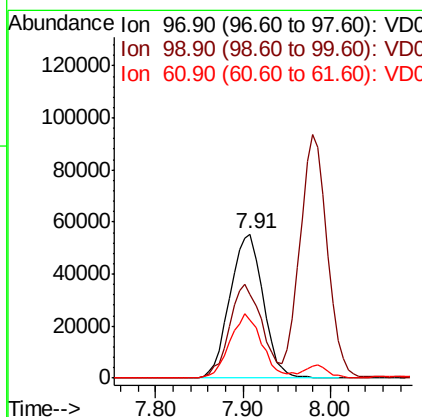
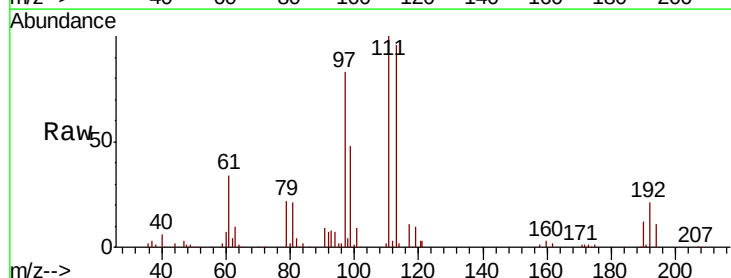
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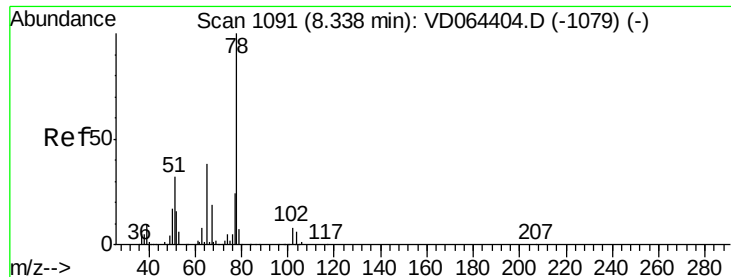
apatel
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#32
1,1,1-Trichloroethane
Concen: 22.233 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.2
61	42.8	35.0	52.4





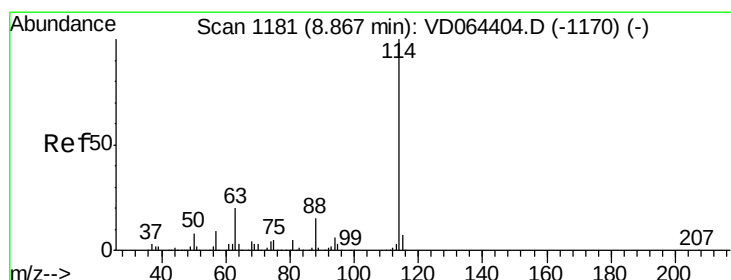
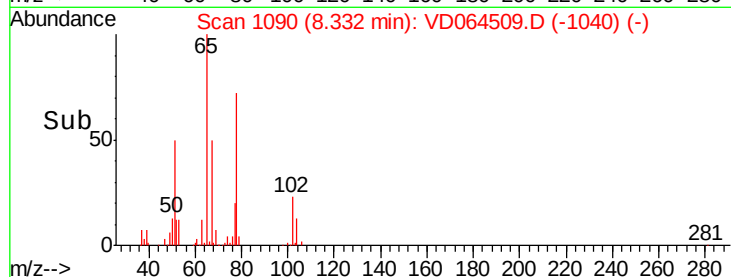
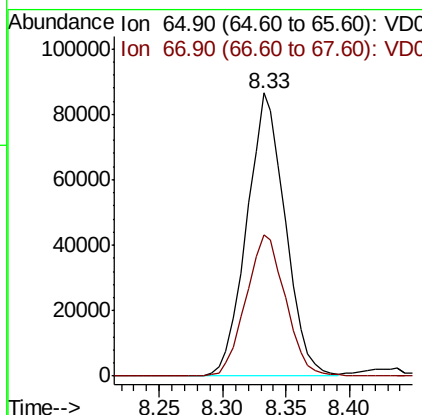
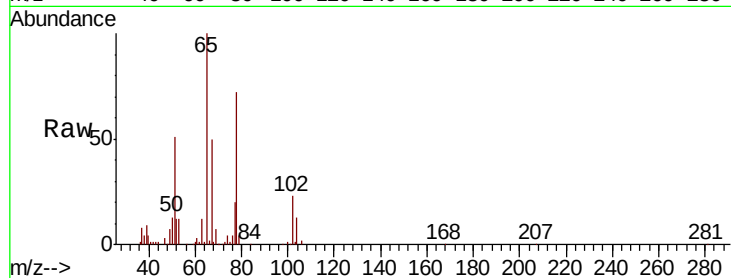
#33
 1,2-Dichloroethane-d4
 Concen: 50.332 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	182547		
67	51.3	0.0	102.0	

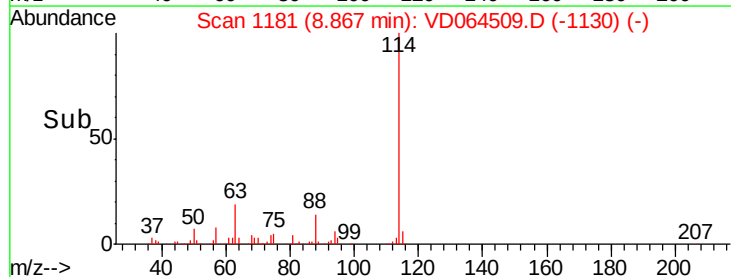
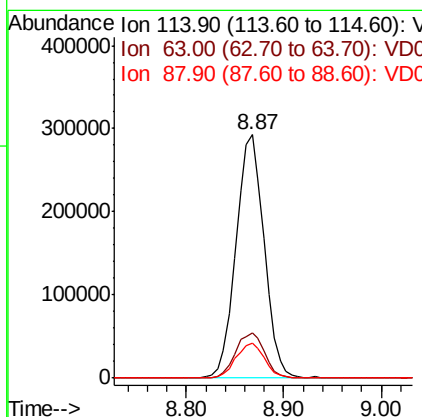
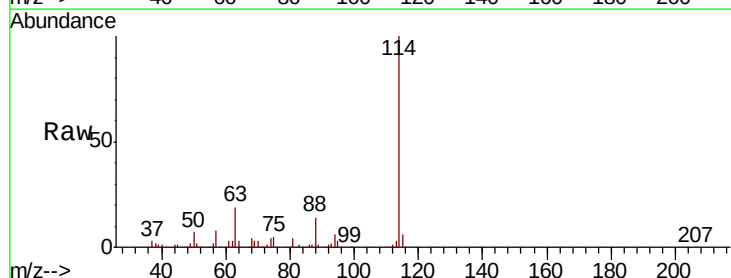
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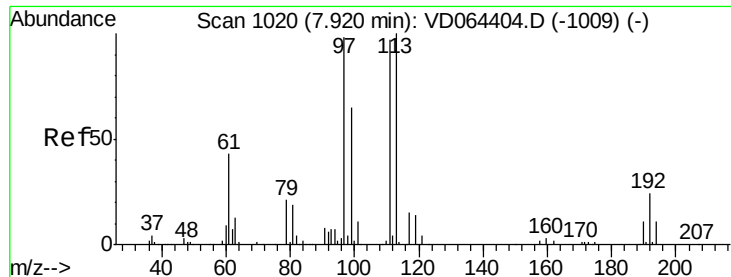
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	588036		
63	18.6	0.0	40.0	
88	14.2	0.0	29.2	





#35

Dibromofluoromethane

Concen: 50.129 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

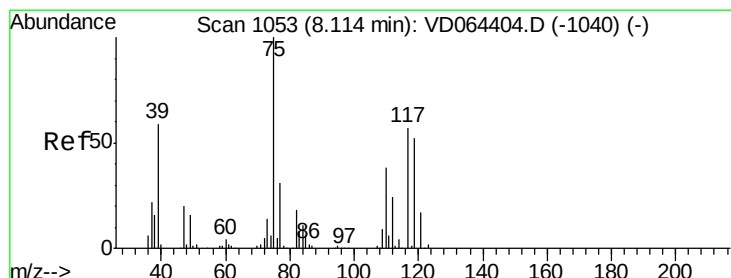
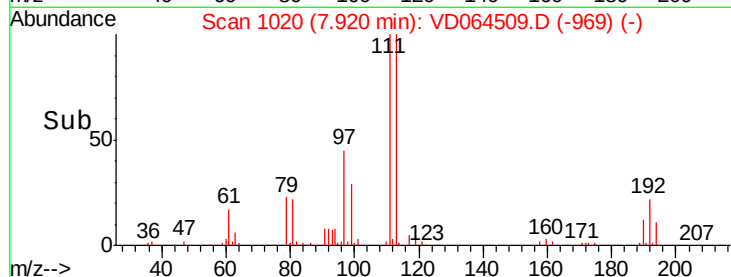
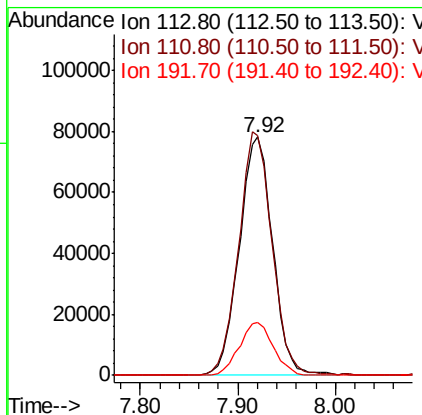
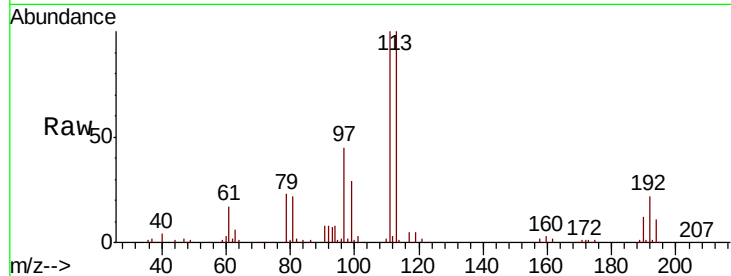
ClientSampleId :

VD1213SBSD01

Tot Ion:	113	Resp:	185723
Ion Ratio	Lower	Upper	
113	100		
111	101.9	79.4	119.2
192	22.6	18.6	28.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 22.016 ug/l

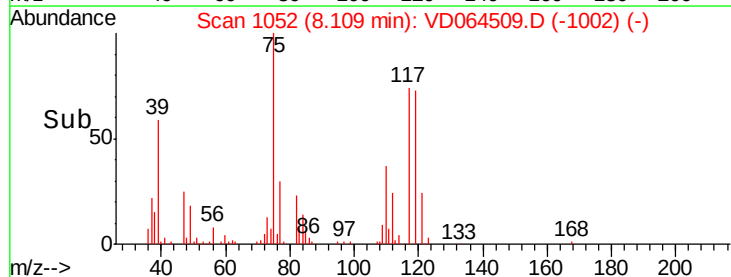
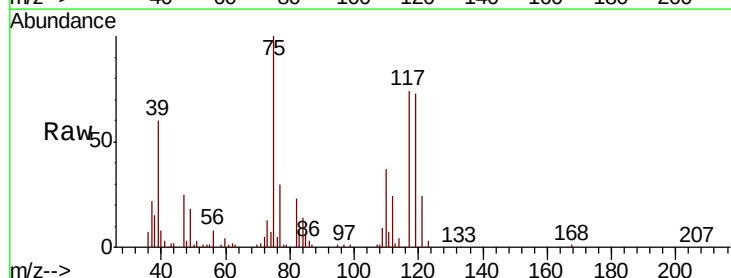
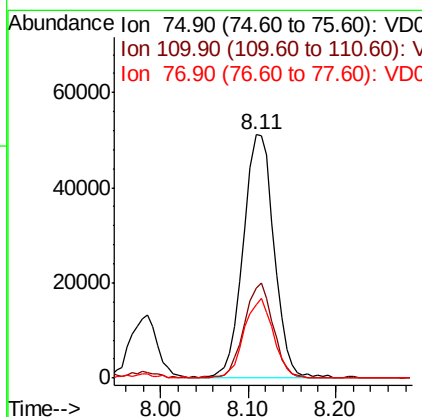
RT: 8.11 min Scan# 1052

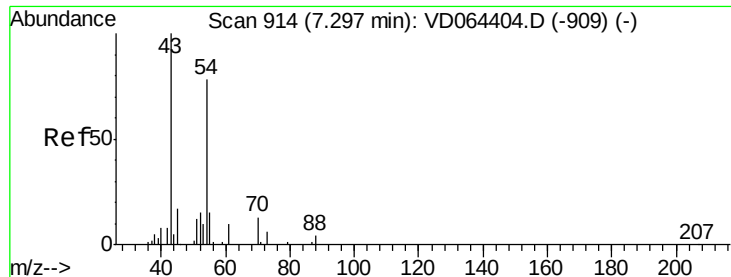
Delta R.T. -0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Tgt Ion:	75	Resp:	122455
Ion Ratio	Lower	Upper	
75	100		
110	36.4	18.6	55.8
77	31.0	25.0	37.4





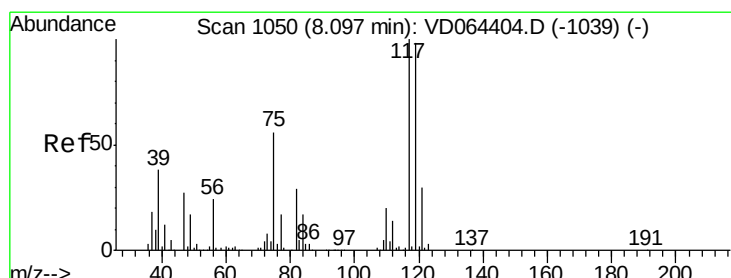
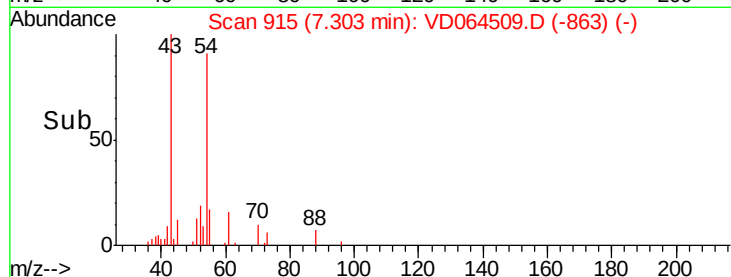
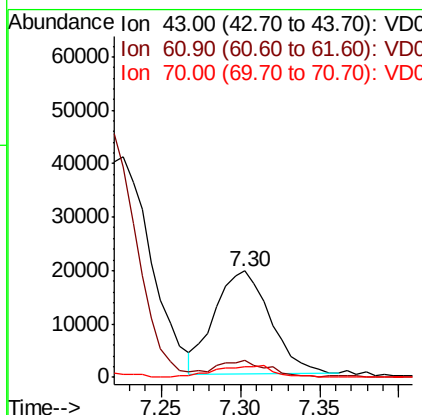
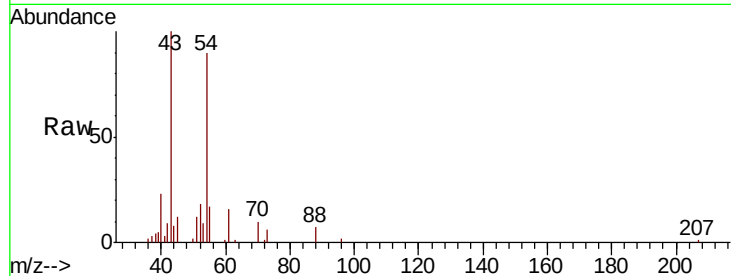
#37
Ethyl Acetate
Concen: 19.898 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.9	16.3
70	12.0	8.3	12.5

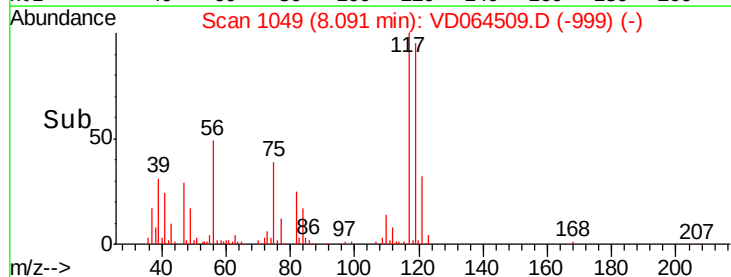
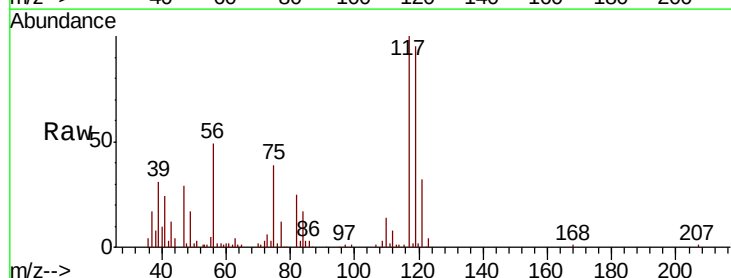
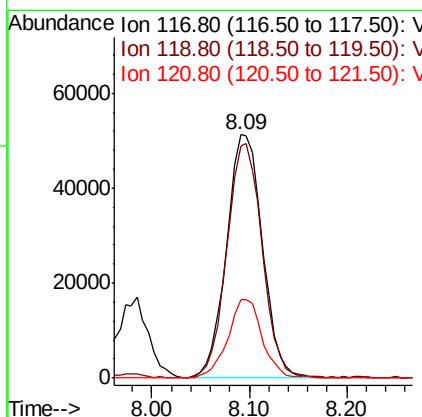
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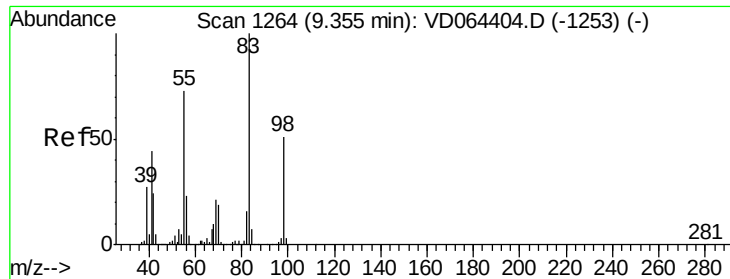
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#38
Carbon Tetrachloride
Concen: 22.417 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	78.8	118.2
121	32.1	24.2	36.2





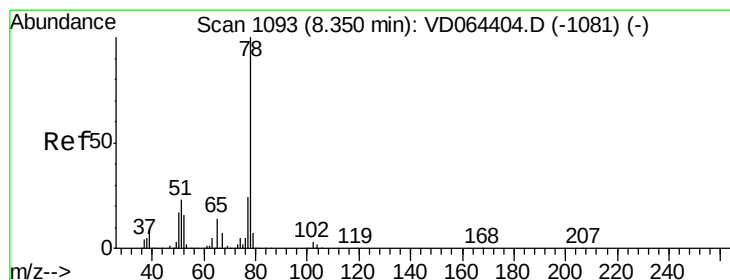
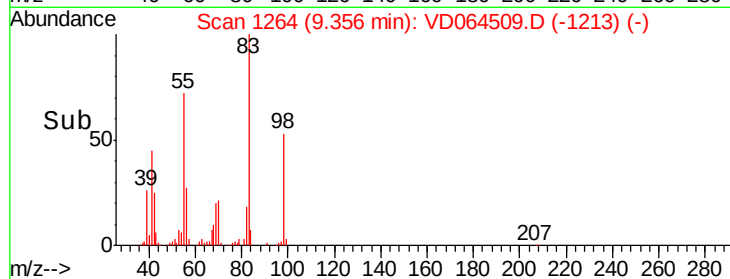
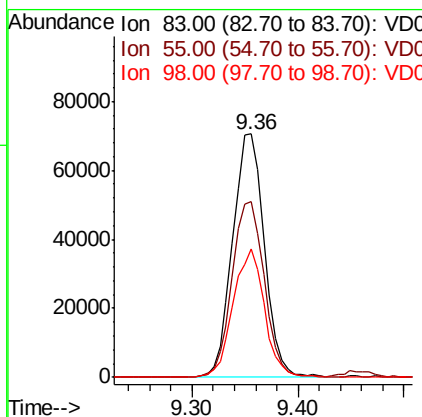
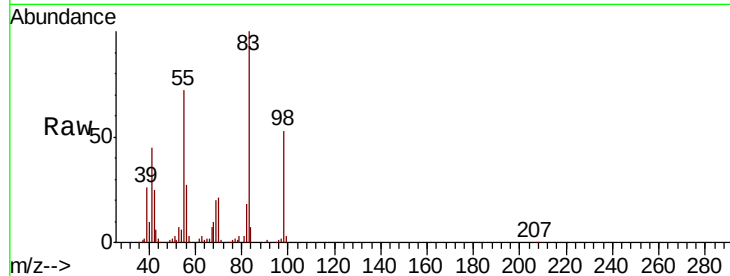
#39
Methylvlcyclohexane
Concen: 21.300 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

Tot Ion	83.00	Resp:	146957
Ion	Ratio	Lower	Upper
83	100		
55	72.3	58.6	87.8
98	52.7	40.9	61.3

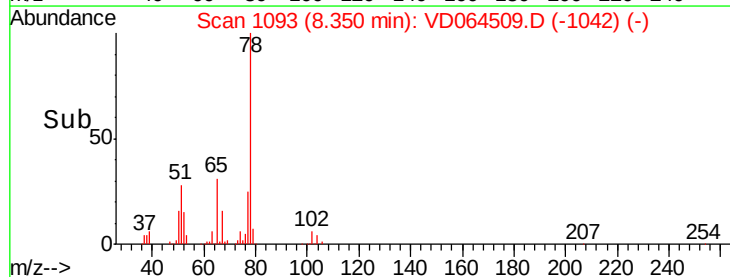
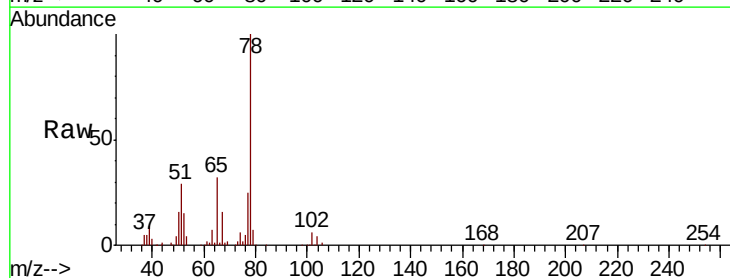
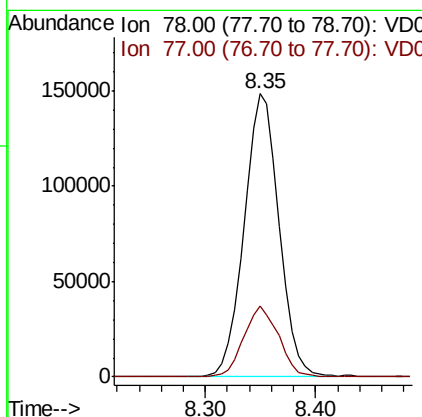
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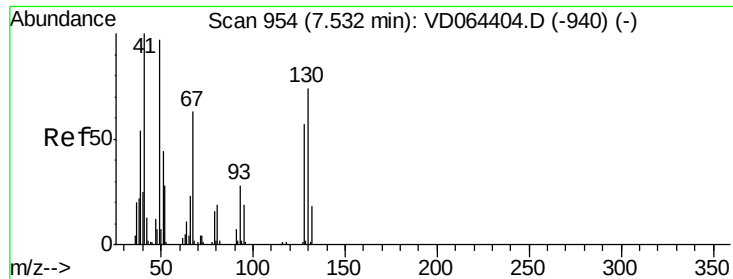
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#40
Benzene
Concen: 21.318 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion	78.00	Resp:	329317
Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.6	29.4





#41

Methacrylonitrile

Concen: 20.926 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

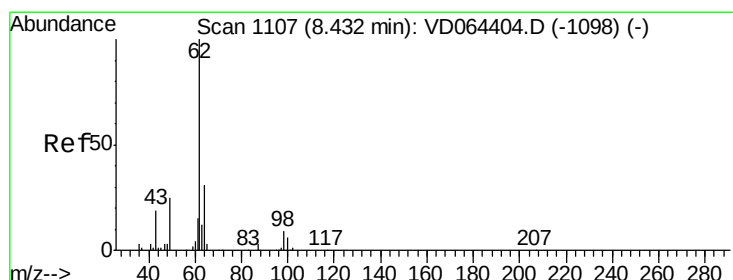
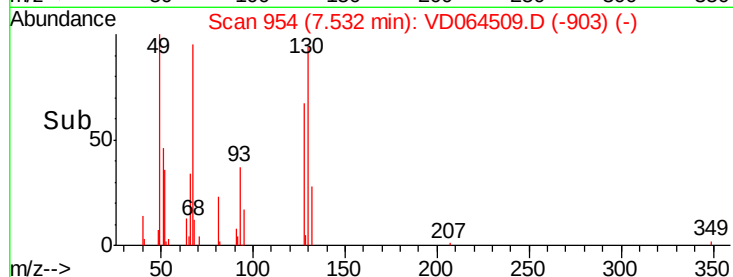
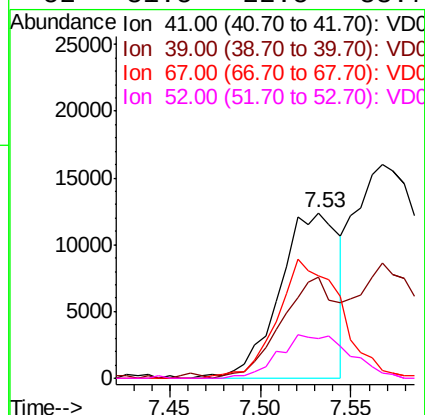
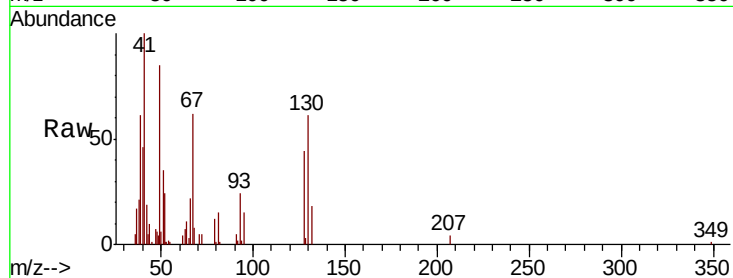
ClientSampleId :

VD1213SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.7	44.6	67.0
67	77.2	50.9	76.3
52	31.5	22.5	33.7

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#42

1,2-Dichloroethane

Concen: 21.500 ug/l

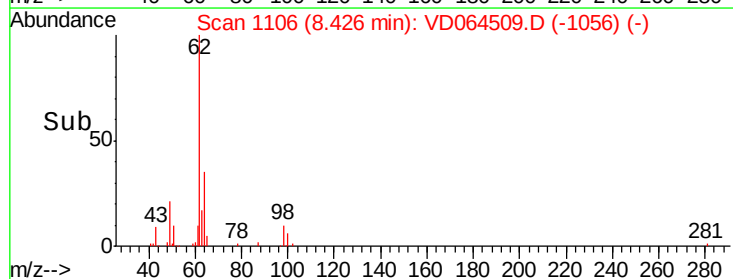
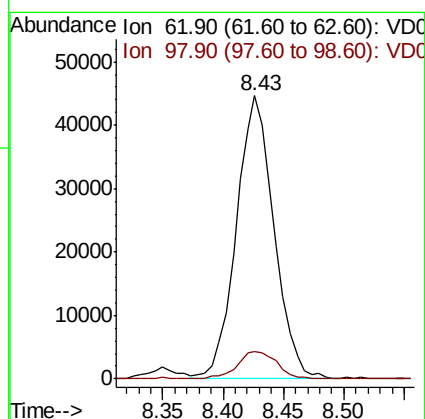
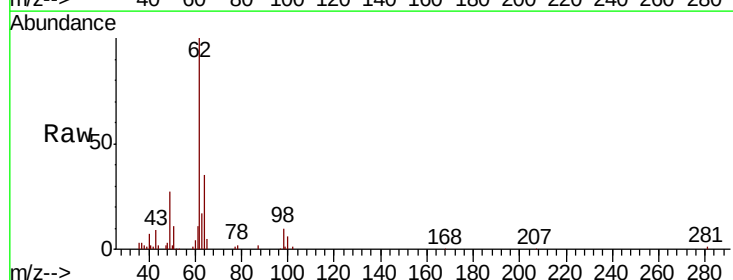
RT: 8.43 min Scan# 1106

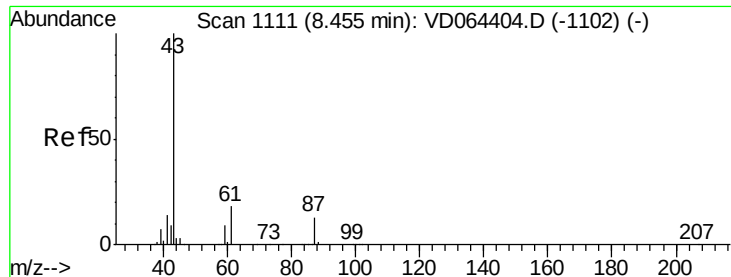
Delta R.T. -0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.6





#43

Isopropyl Acetate

Concen: 21.380 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

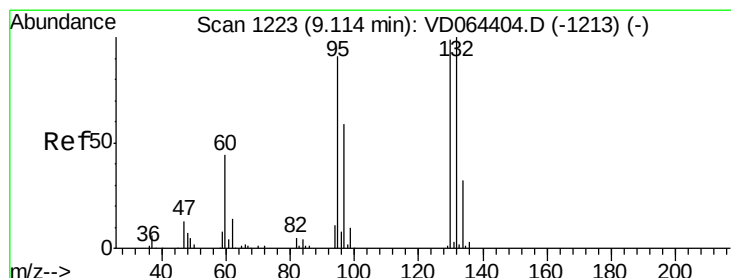
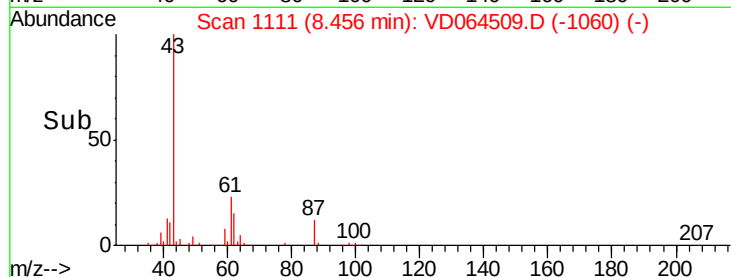
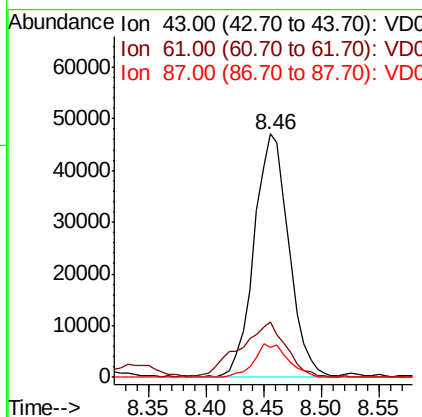
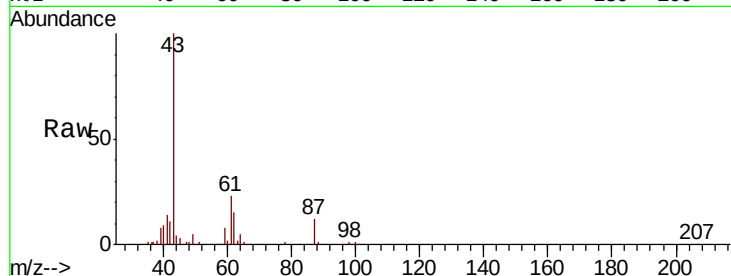
ClientSampleId :

VD1213SBSD01

Tot Ion:	43	Resp:	99211
Ion	Ratio	Lower	Upper
43	100		
61	30.6	24.0	36.0
87	13.5	10.6	15.8

Manual Integrations
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#44

Trichloroethene

Concen: 21.233 ug/l

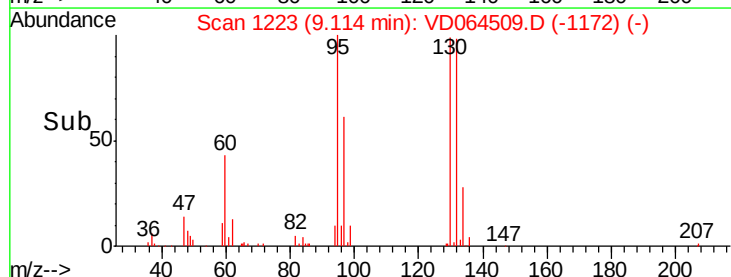
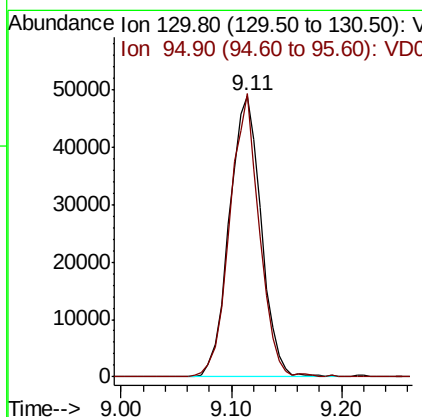
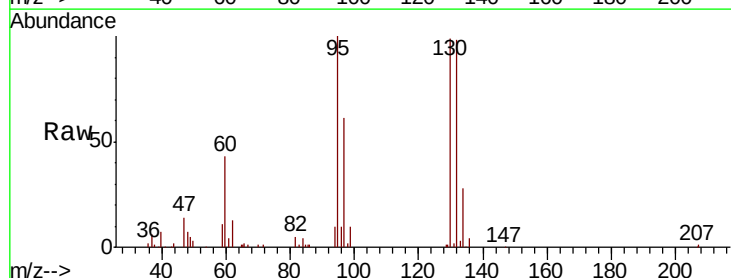
RT: 9.11 min Scan# 1223

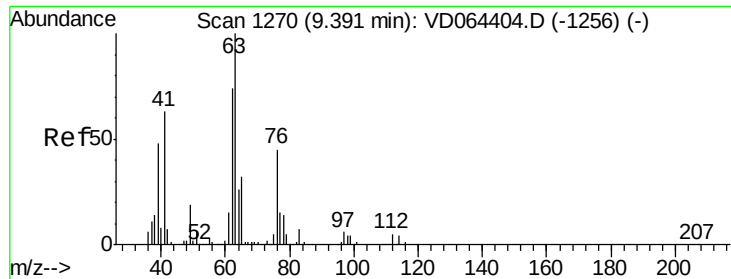
Delta R.T. 0.00 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Tgt Ion:	130	Resp:	98804
Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	184.6





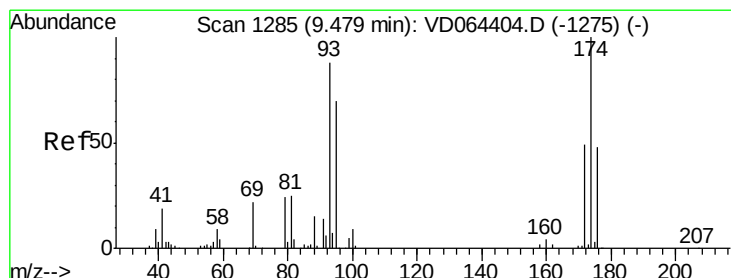
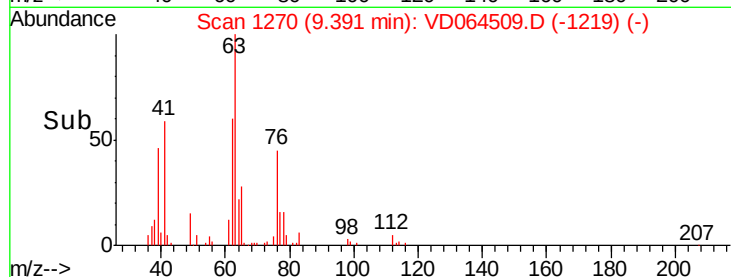
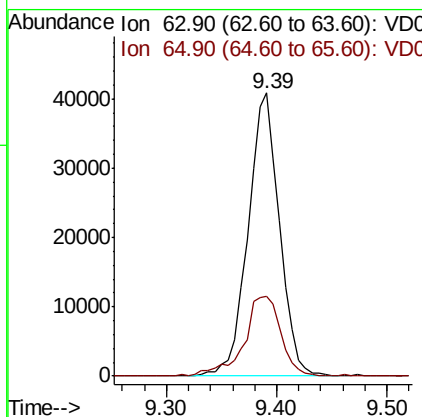
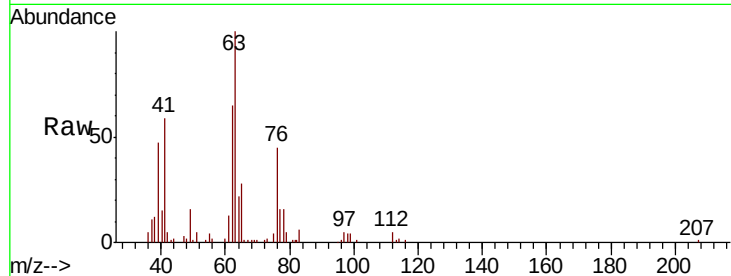
#45
 1,2-Dichloropropane
 Concen: 22.056 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

Tot Ion: 63 Resp: 81486
 Ion Ratio Lower Upper
 63 100
 65 28.4 25.4 38.0

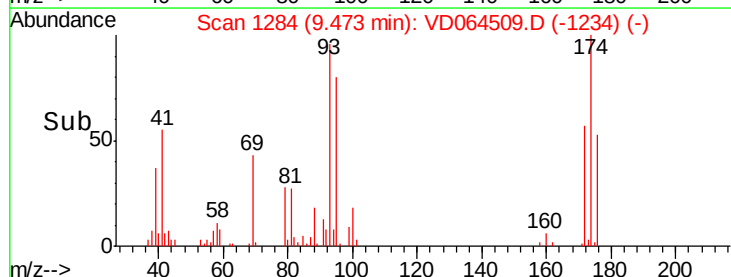
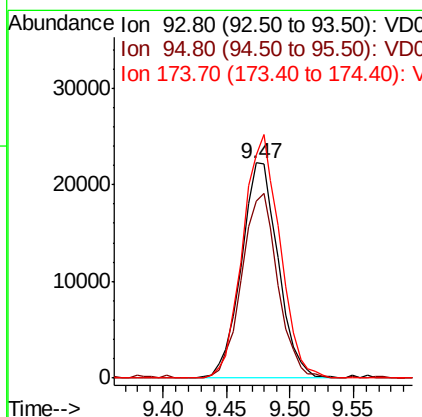
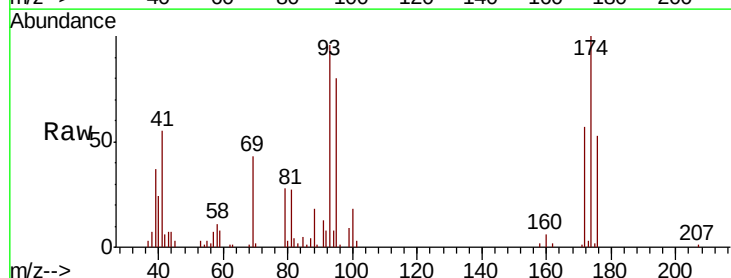
Manual Integrations
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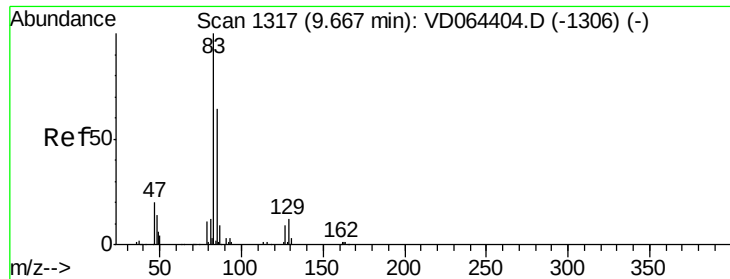
apatel
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#46
 Dibromomethane
 Concen: 21.674 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Tgt Ion: 93 Resp: 45194
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.7 100.1
 174 113.2 92.3 138.5





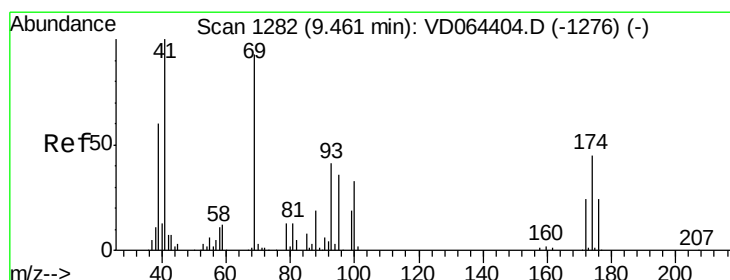
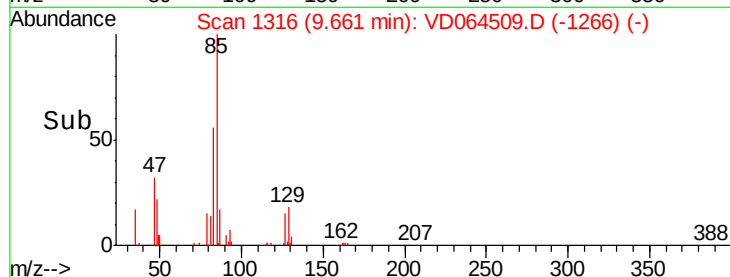
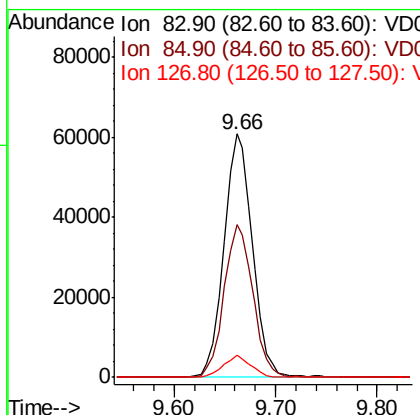
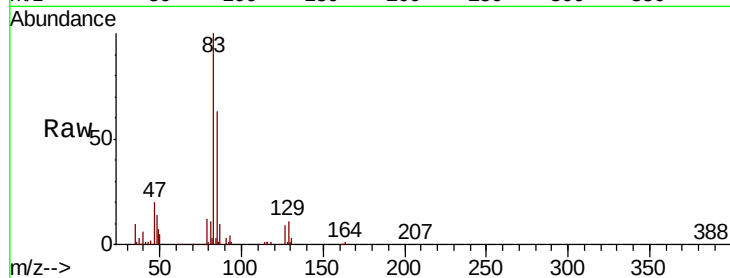
#47
Bromodichloromethane
Concen: 22.045 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

Tot Ion	83	Resp	118114
Ion Ratio	Lower	Upper	
83	100		
85	62.6	51.1	76.7
127	9.1	7.4	11.0

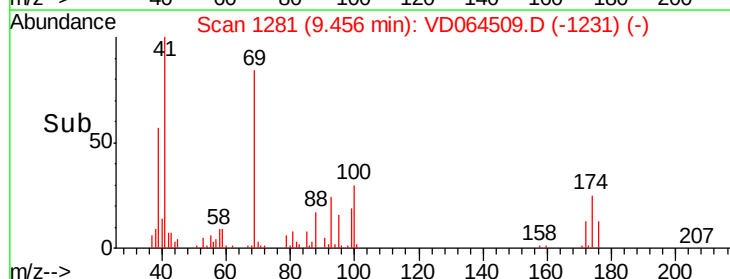
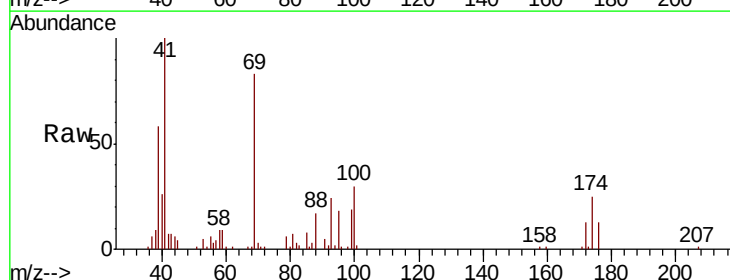
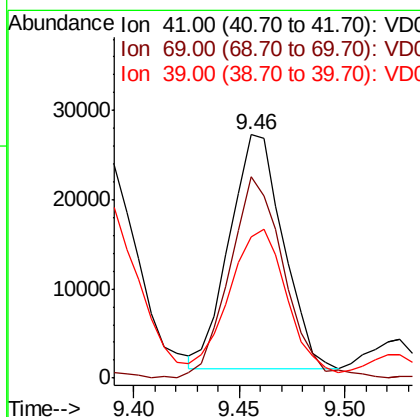
Manual Integrations
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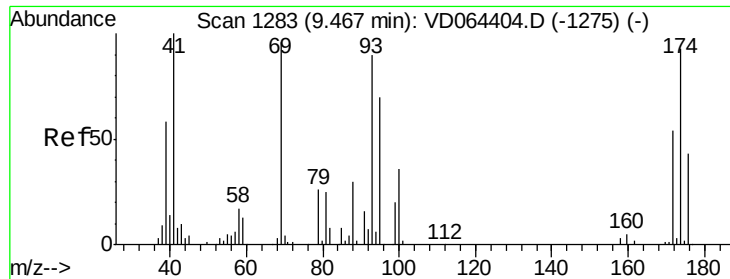
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#48
Methyl methacrylate
Concen: 21.933 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion	41	Resp	46573
Ion Ratio	Lower	Upper	
41	100		
69	87.3	72.0	108.0
39	63.8	55.2	82.8





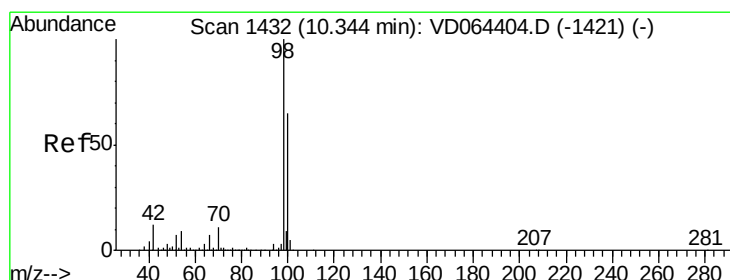
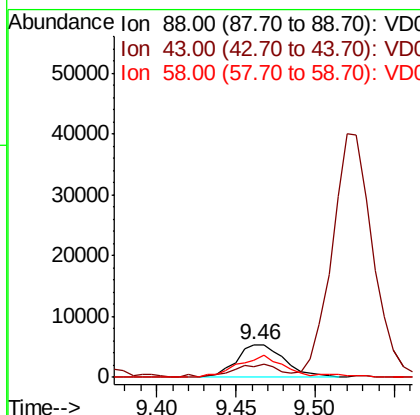
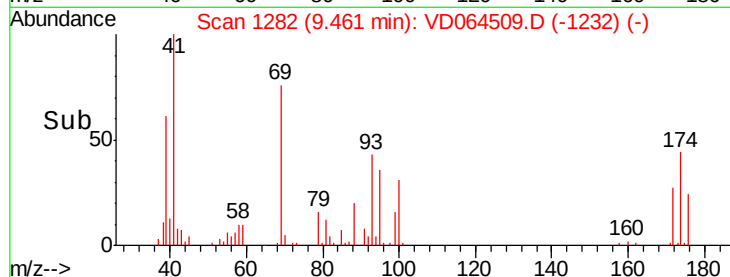
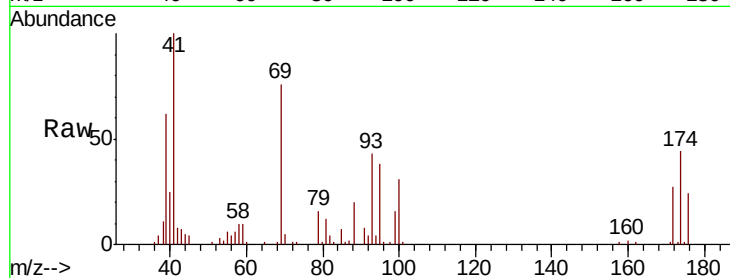
#49
1,4-Dioxane
Concen: 439.513 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.6	26.7	40.1
58	64.6	52.3	78.5

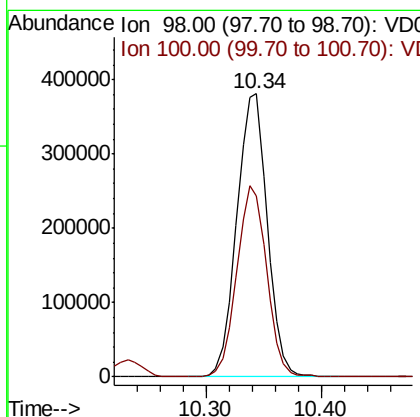
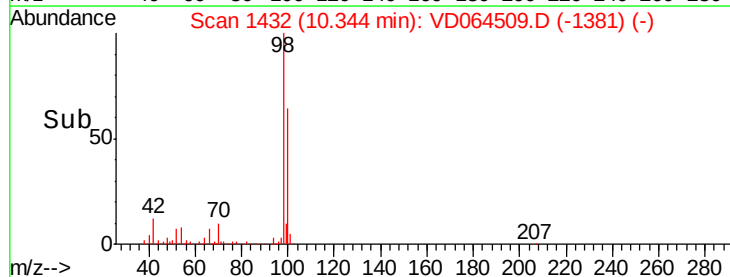
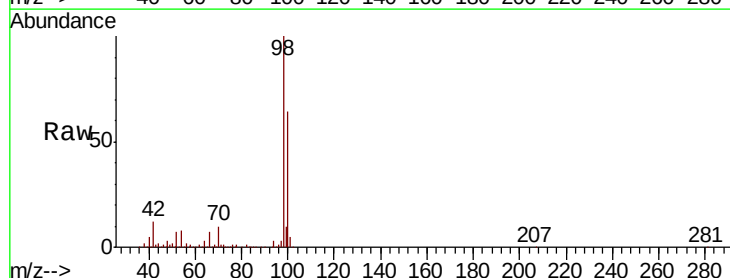
Manual Integrations
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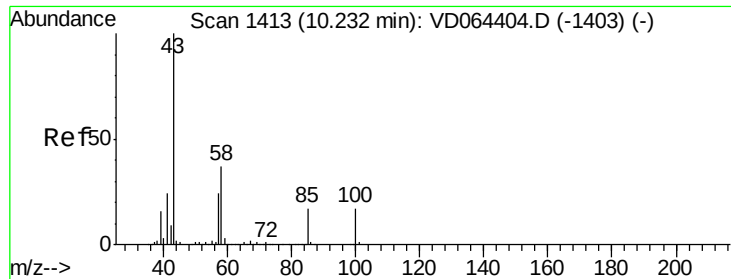
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#50
Toluene-d8
Concen: 50.089 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 108.453 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBSD01

Tot Ion: 43 Resp: 249009

Ion Ratio Lower Upper

43 100

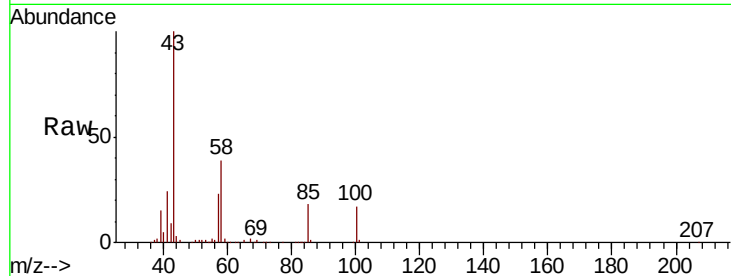
58 38.3 30.6 46.0

Manual Integrations

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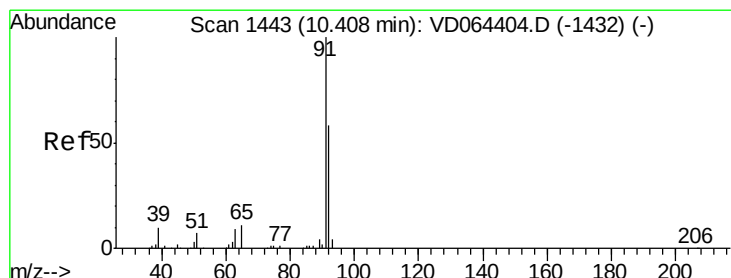
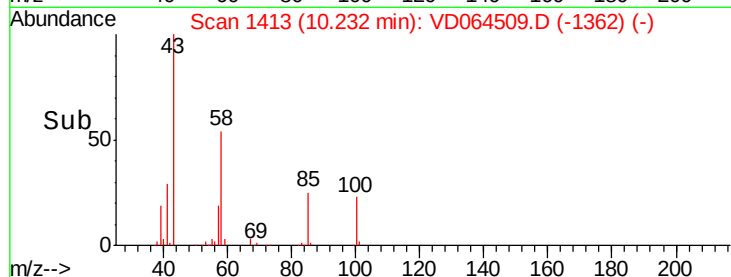
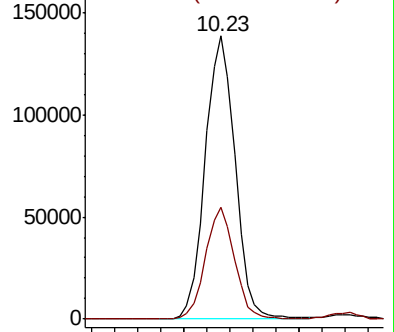
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.441 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064509.D

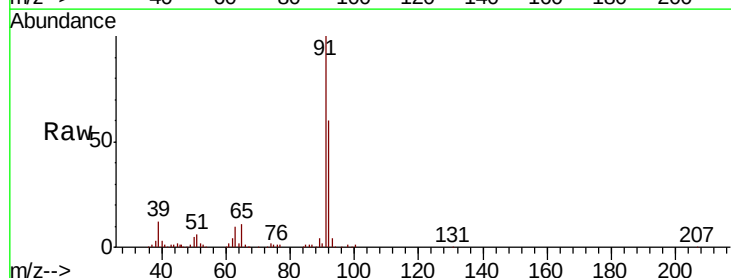
Acq: 13 Dec 2019 16:22

Tgt Ion: 92 Resp: 215856

Ion Ratio Lower Upper

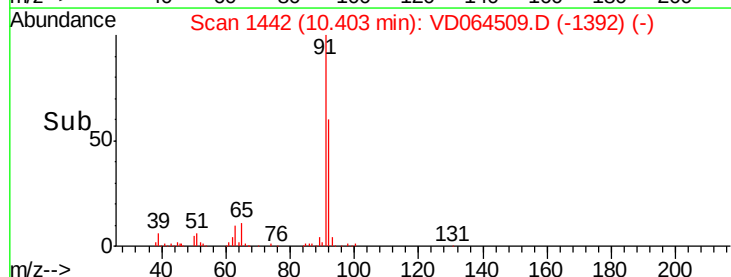
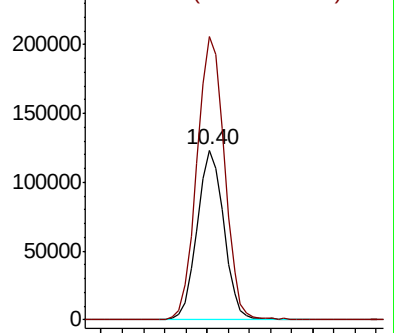
92 100

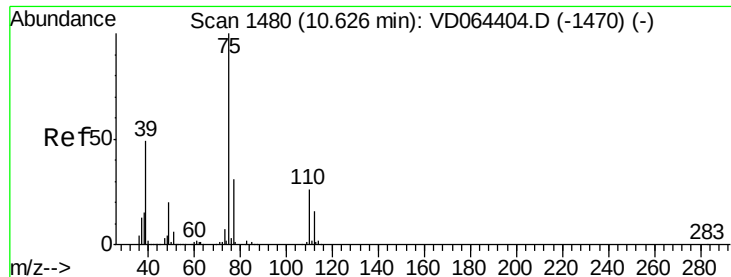
91 173.0 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





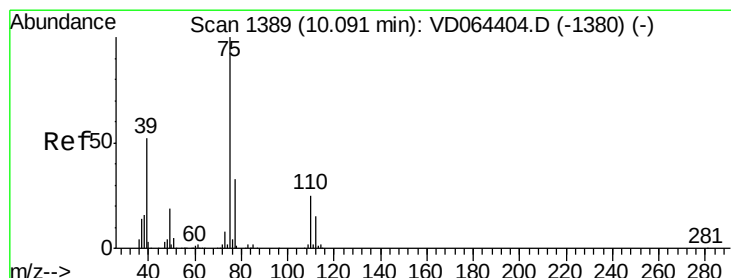
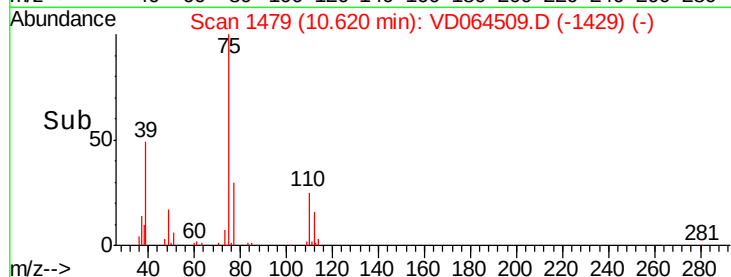
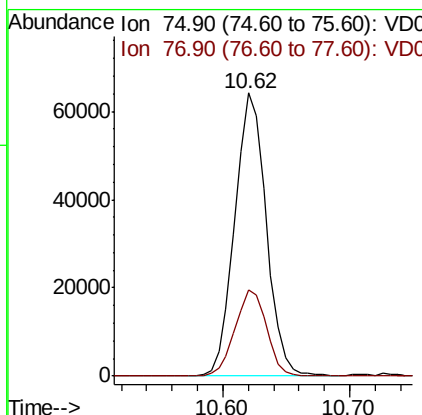
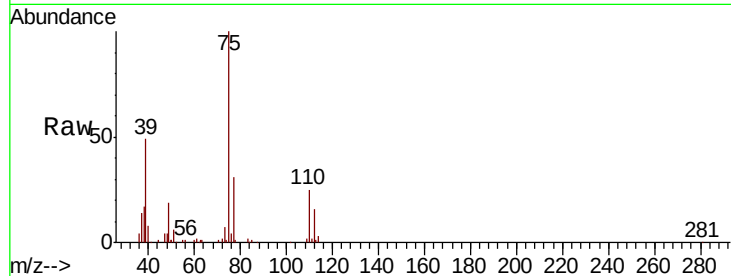
#53
 t-1,3-Dichloropropene
 Concen: 21.592 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.0	37.4

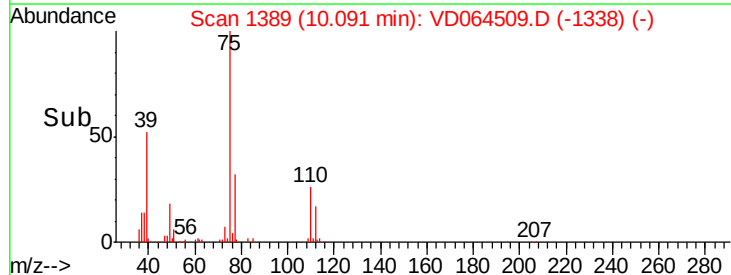
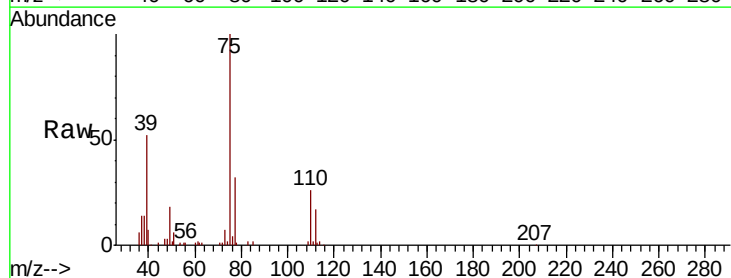
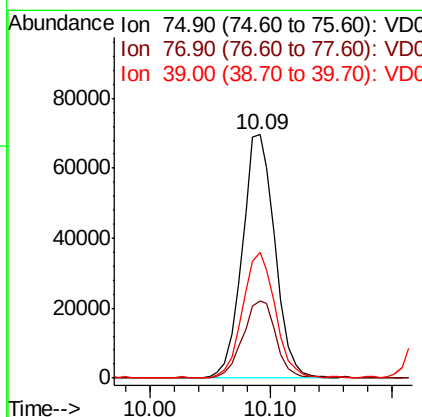
Manual Integrations
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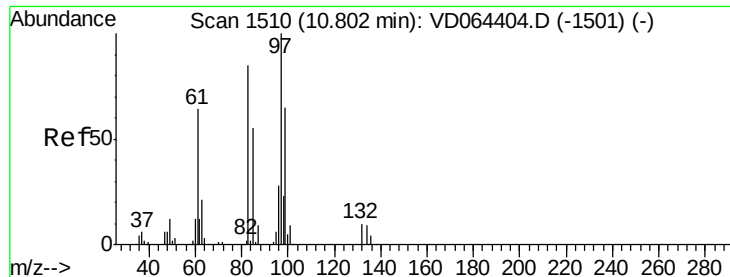
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#54
 cis-1,3-Dichloropropene
 Concen: 21.577 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.1	39.1
39	51.5	41.5	62.3





#55

1,1,2-Trichloroethane

Concen: 21.742 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBSD01

Tot Ion: 97 Resp: 62077

Ion Ratio Lower Upper

97 100

83 82.3 67.8 101.8

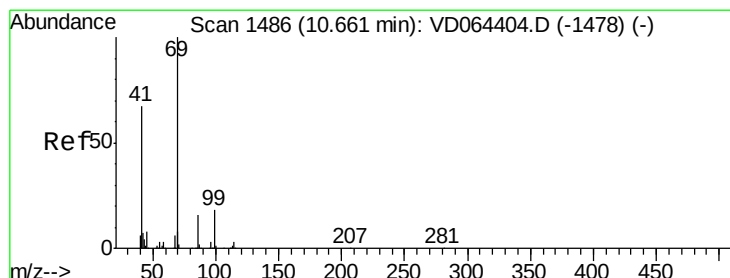
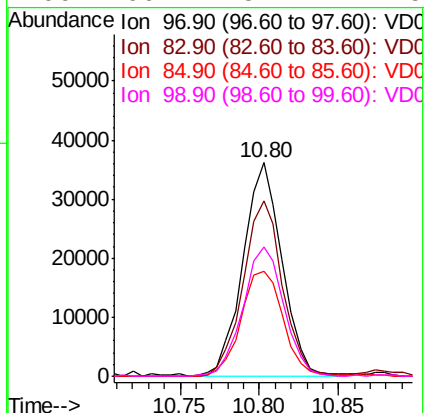
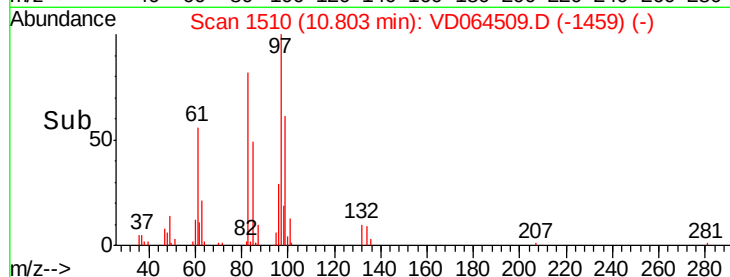
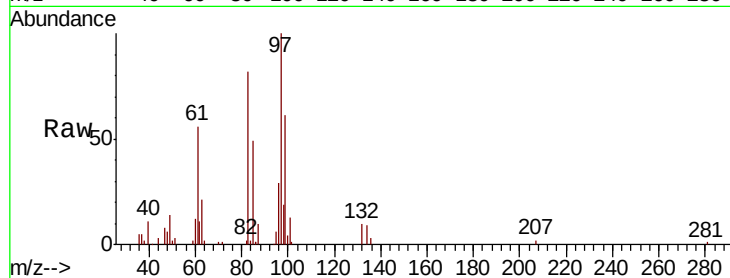
85 49.2 43.7 65.5

99 60.7 51.7 77.5

Manual Integrations
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12/16/2019 12:15:57 PM



#56

Ethyl methacrylate

Concen: 21.504 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

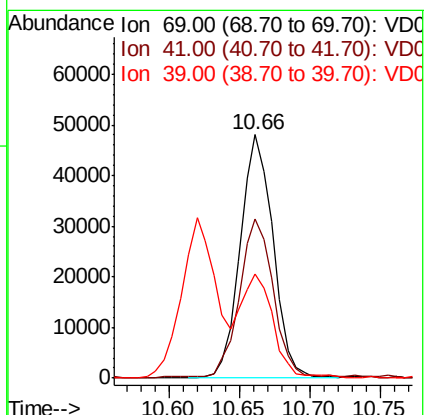
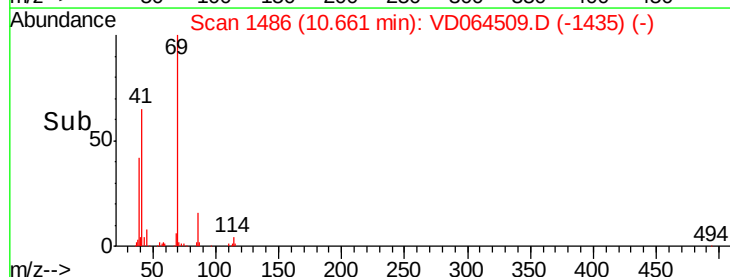
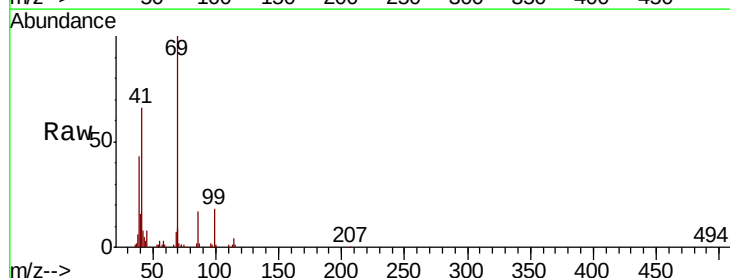
Tgt Ion: 69 Resp: 78310

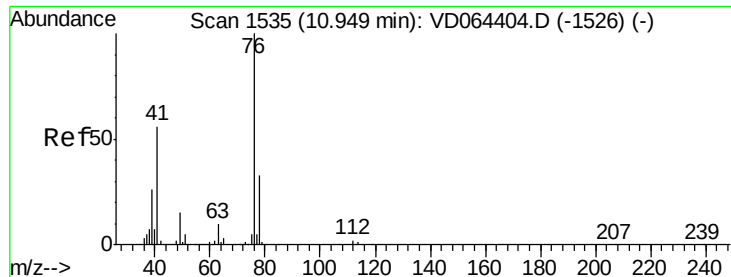
Ion Ratio Lower Upper

69 100

41 69.0 55.0 82.4

39 42.9 33.0 49.6





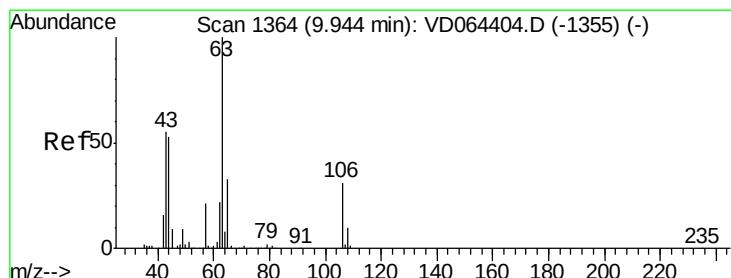
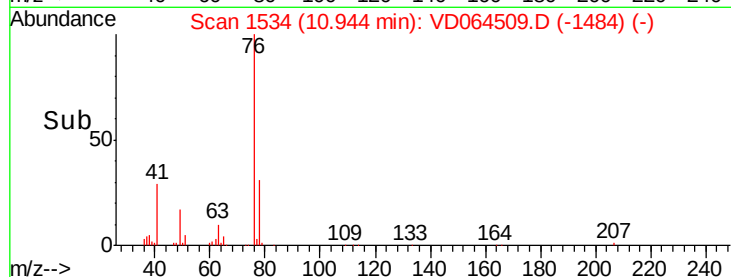
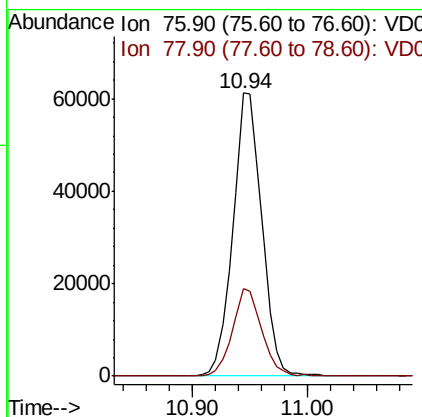
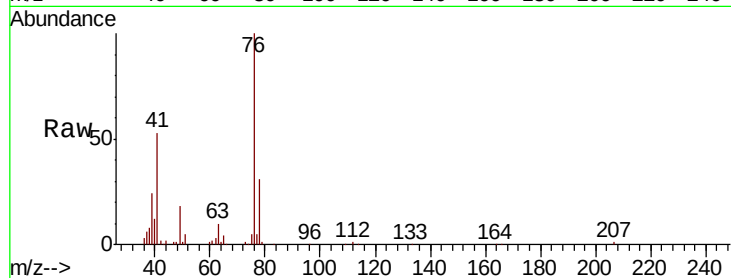
#57
 1,3-Dichloropropane
 Concen: 21.857 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.2	26.0	39.0

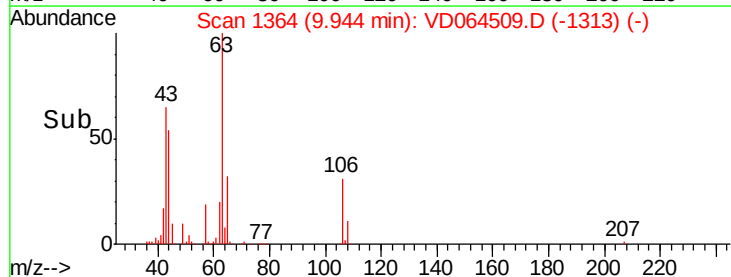
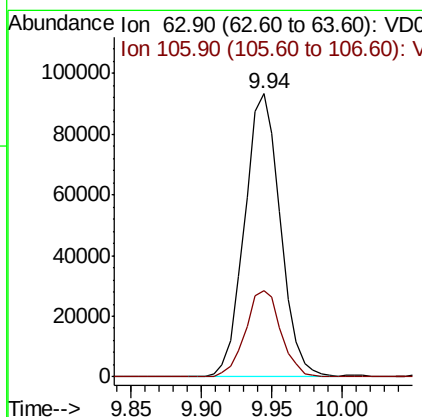
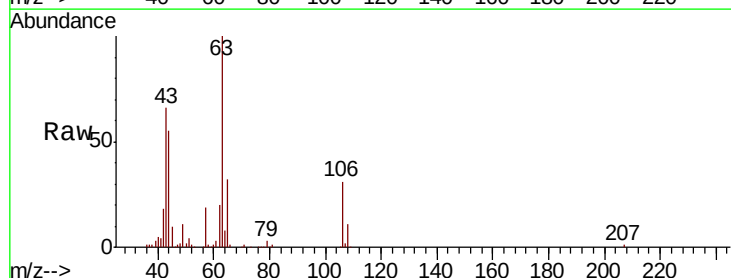
Manual Integrations
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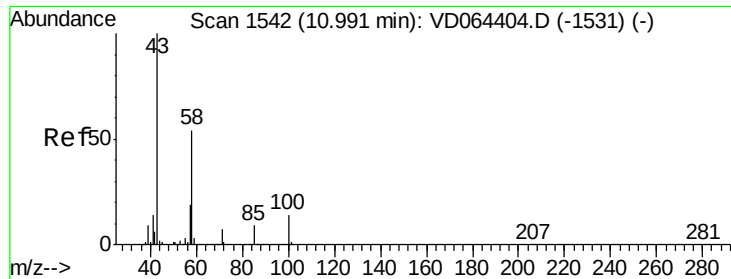
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#58
 2-Chloroethyl Vinyl ether
 Concen: 114.441 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.4	24.2	36.4





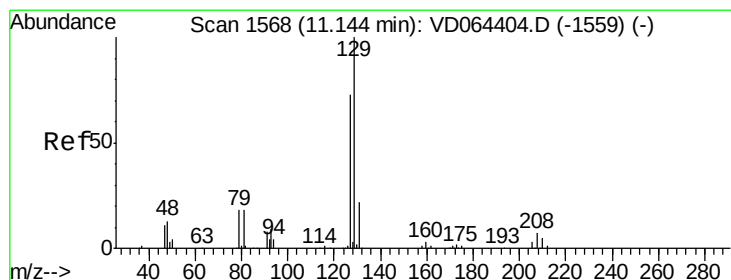
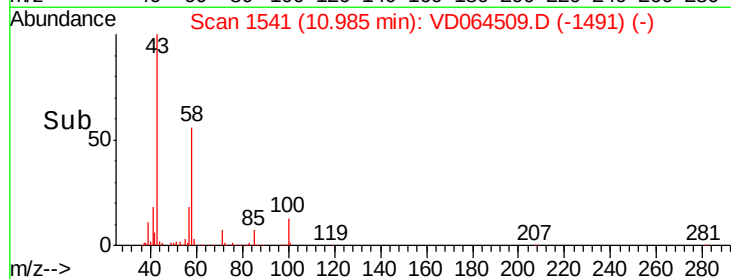
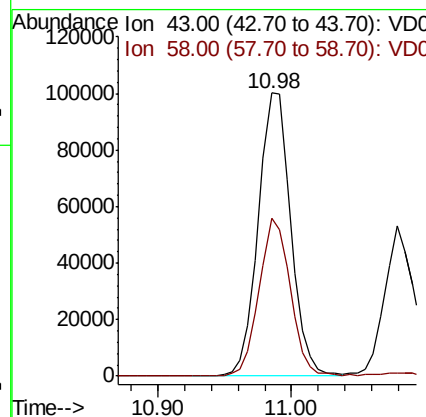
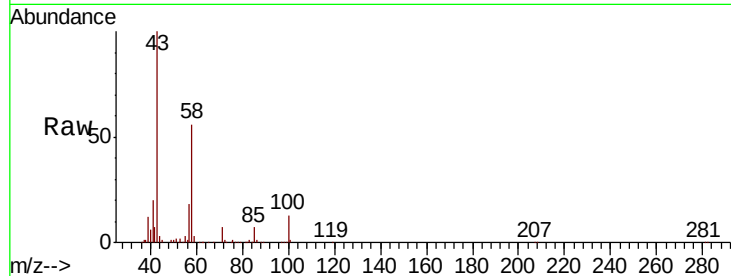
#59
2-Hexanone
Concen: 106.026 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.8	26.3	78.8

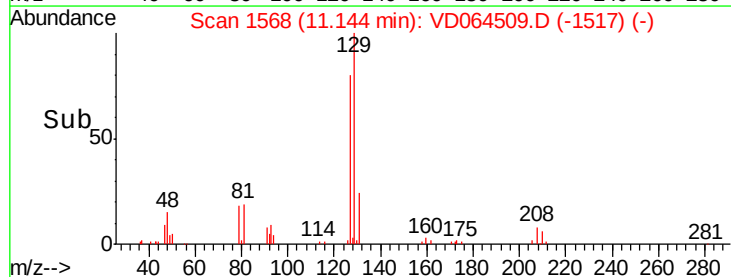
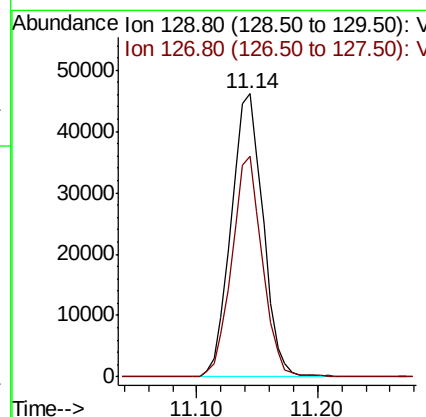
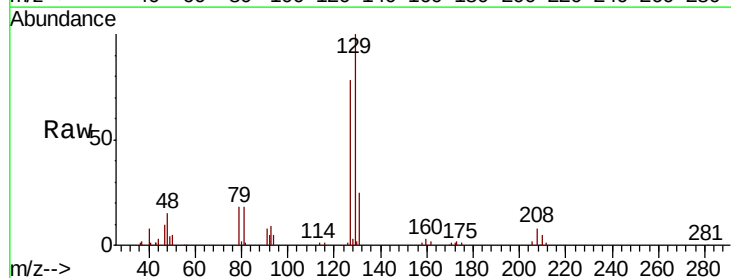
Manual Integrations
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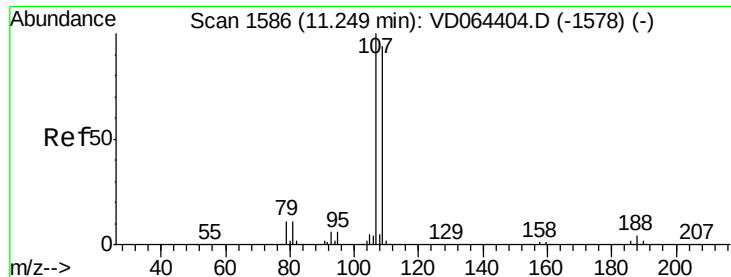
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#60
Dibromochloromethane
Concen: 21.942 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.5	38.1	114.3





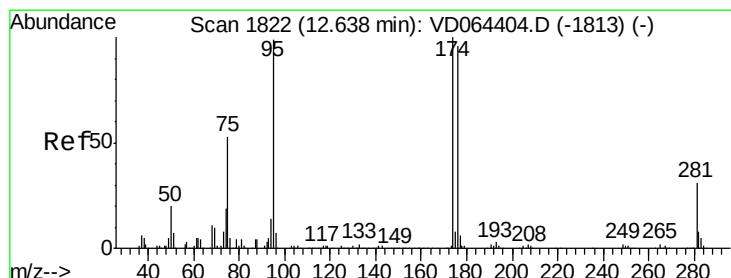
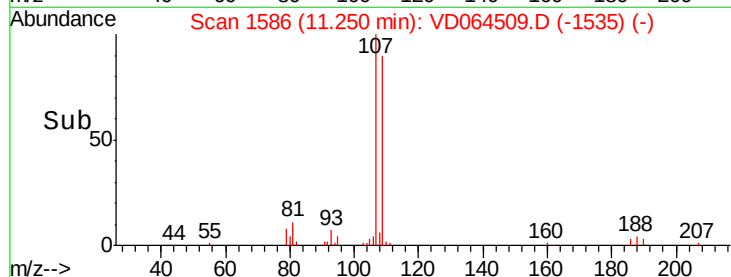
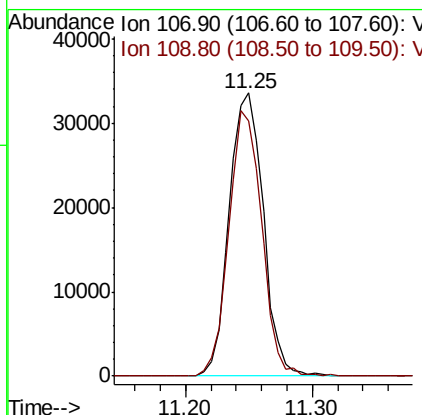
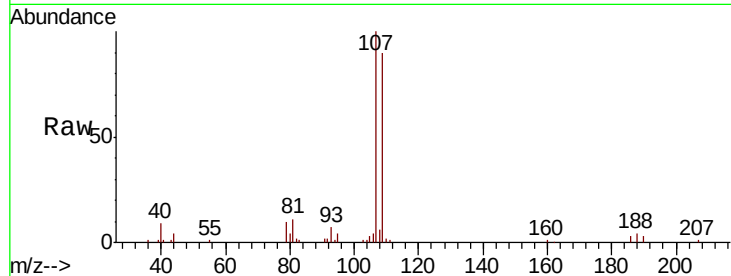
#61
 1,2-Dibromoethane
 Concen: 21.913 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.3	76.2	114.2

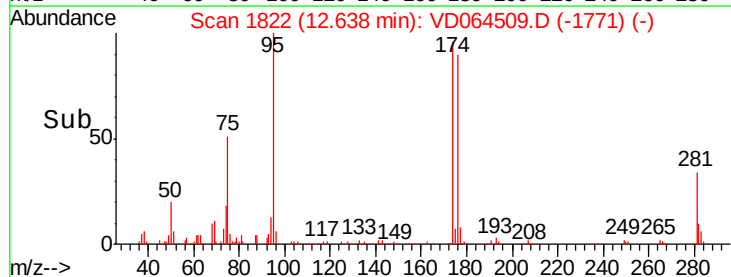
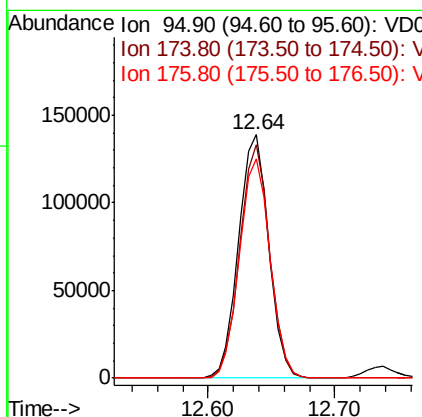
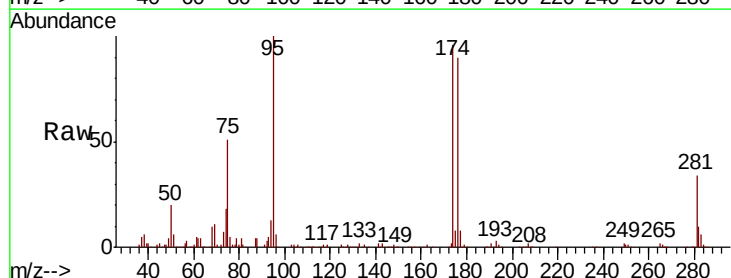
Manual Integrations
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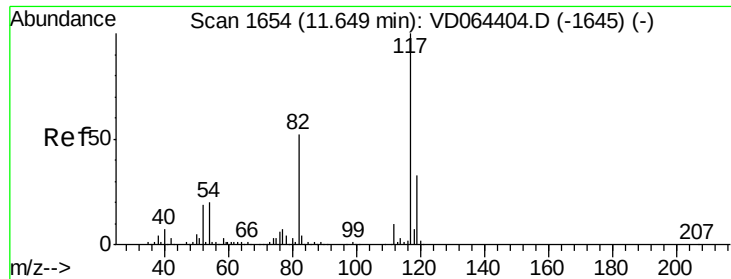
apatel
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#62
 4-Bromofluorobenzene
 Concen: 51.064 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.0	0.0	197.2
176	91.3	0.0	189.6





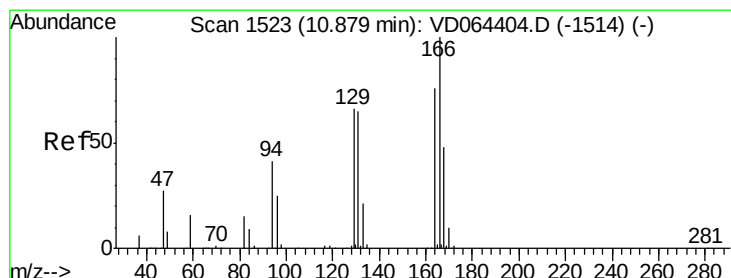
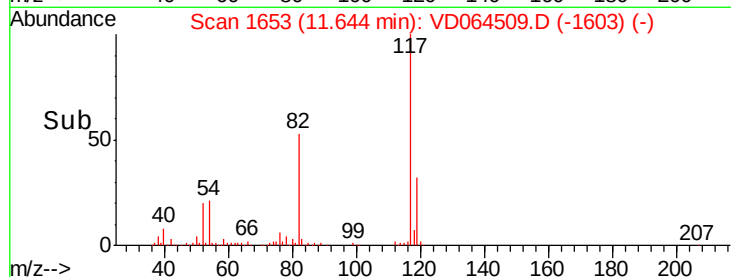
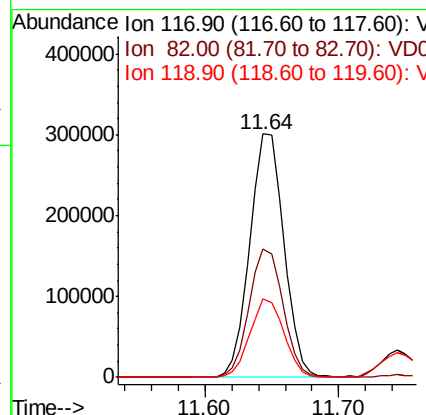
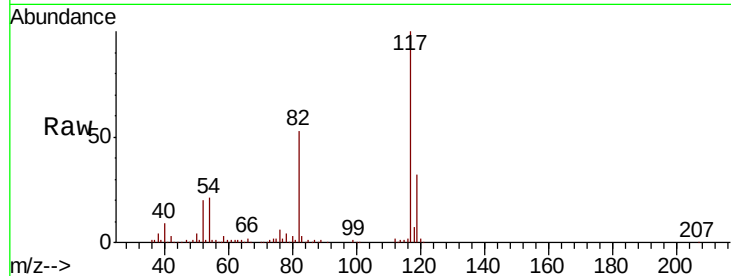
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	41.4	62.2
119	32.2	26.2	39.2

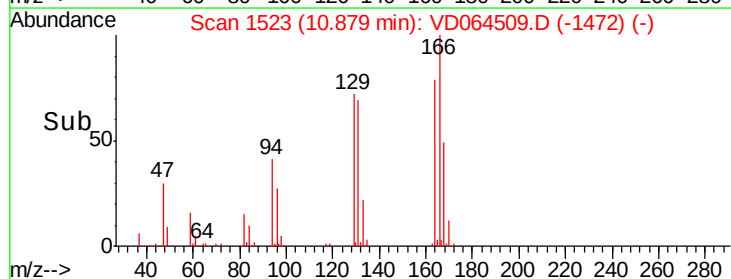
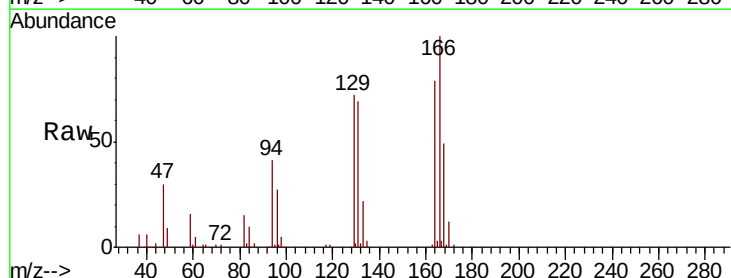
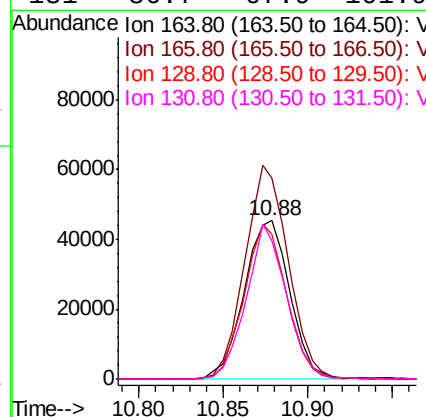
Manual Integrations
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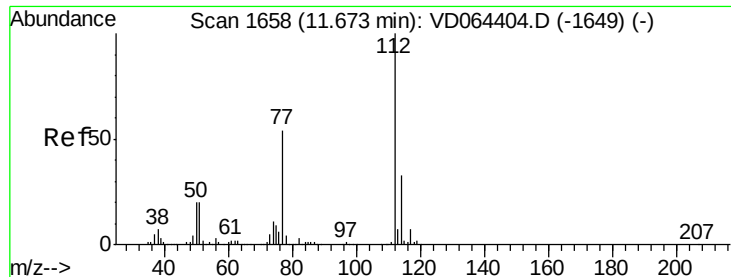
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#64
Tetrachloroethene
Concen: 20.988 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	104.8	157.2
129	90.7	68.7	103.1
131	86.7	67.9	101.9





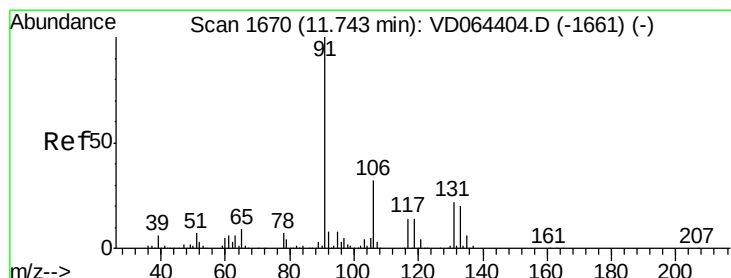
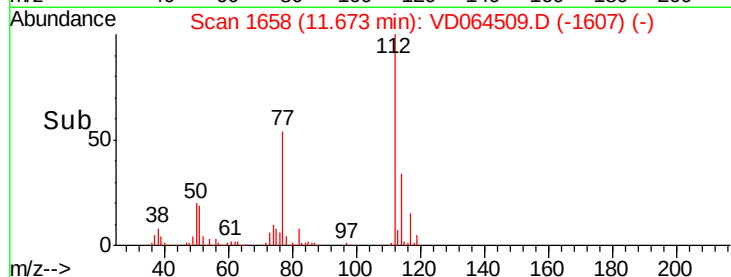
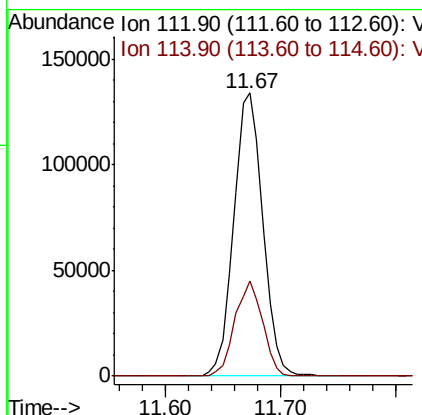
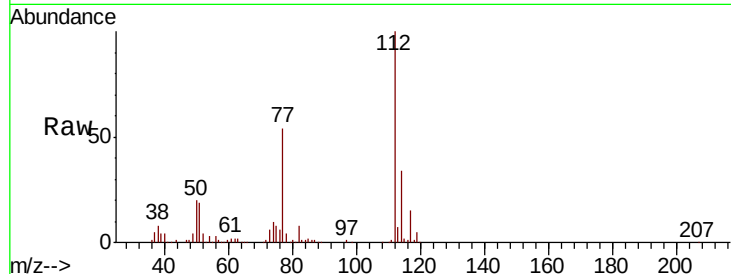
#65
Chlorobenzene
Concen: 21.032 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.9	26.5	39.7

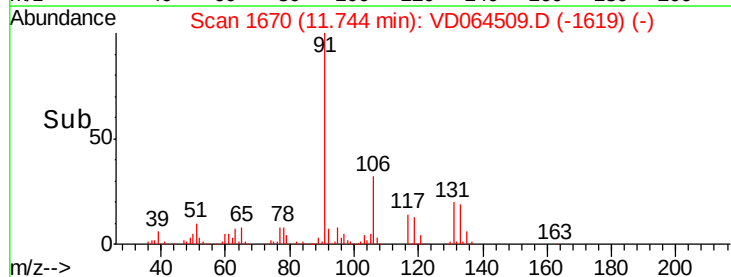
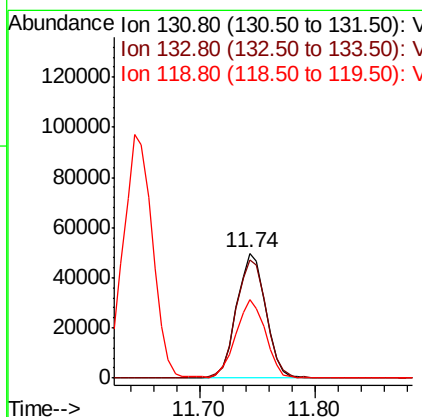
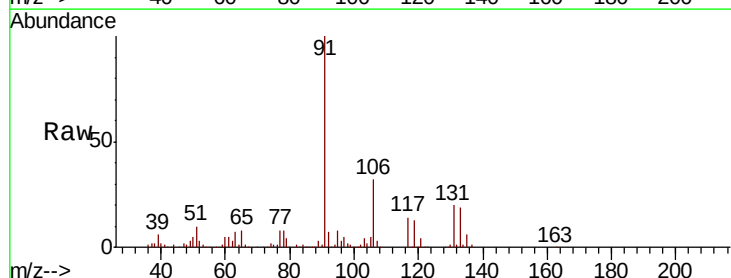
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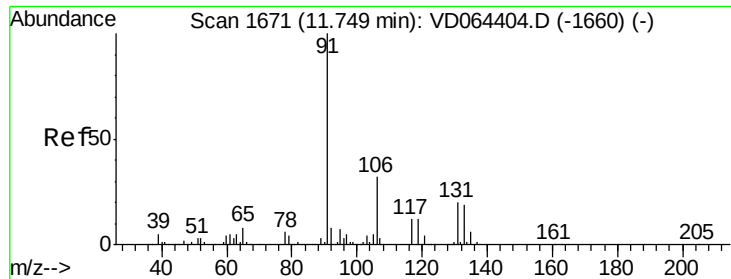
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.234 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.9	48.3	144.9
119	63.7	31.9	95.9





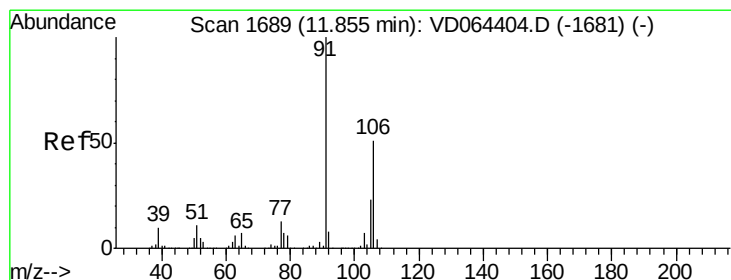
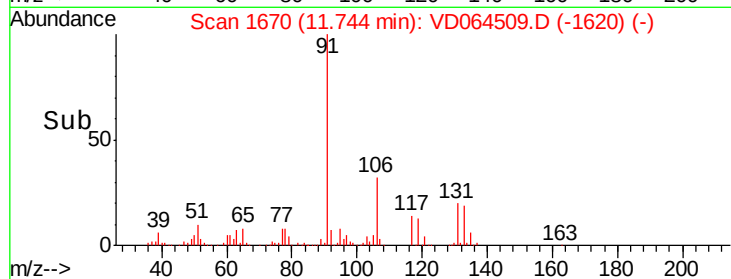
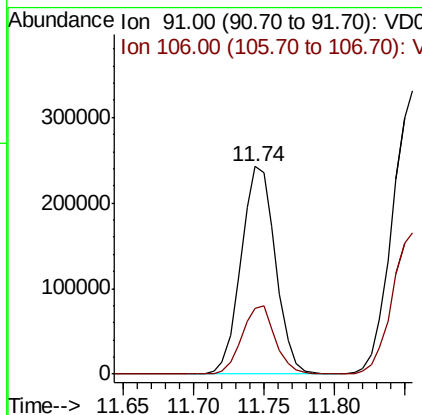
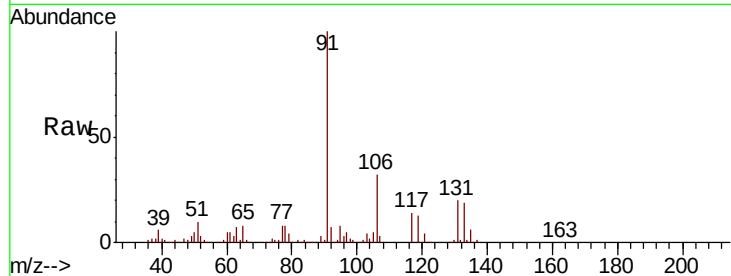
#67
Ethyl Benzene
Concen: 20.960 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tot Ion: 91 Resp: 413644
Ion Ratio Lower Upper
91 100
106 31.7 25.8 38.8

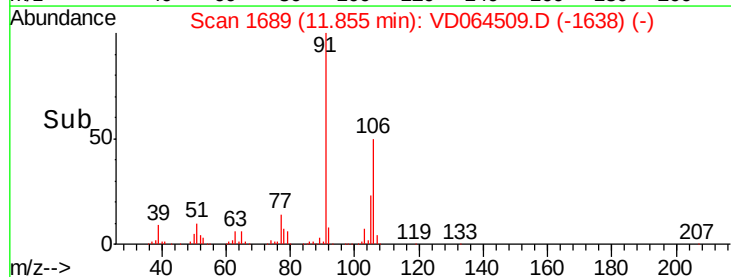
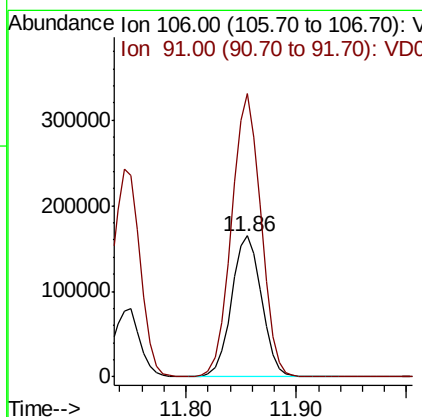
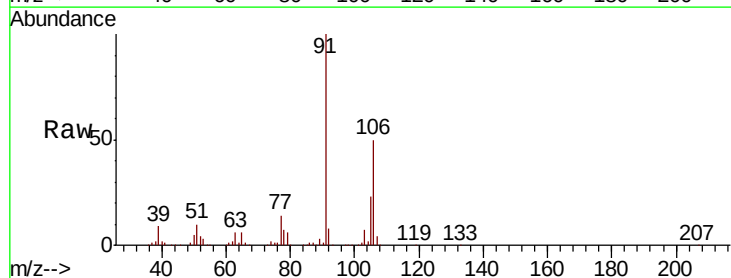
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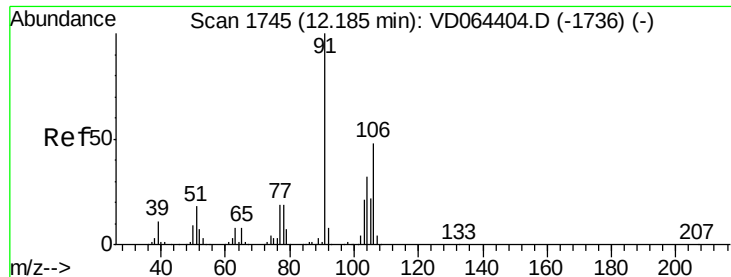
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#68
m/p-Xylenes
Concen: 41.760 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion: 106 Resp: 314225
Ion Ratio Lower Upper
106 100
91 197.2 157.4 236.2





#69

o-Xylene

Concen: 20.510 ug/l

RT: 12.18 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBSD01

Tot Ion:106 Resp: 142533

Ion Ratio Lower Upper

106 100

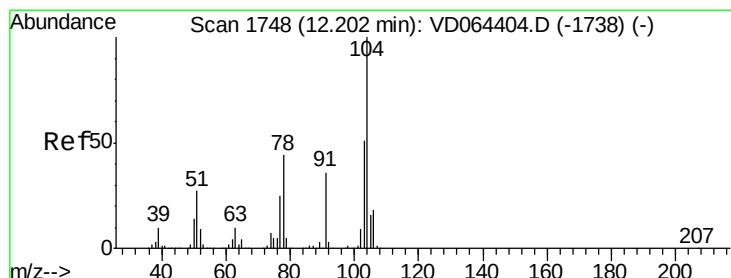
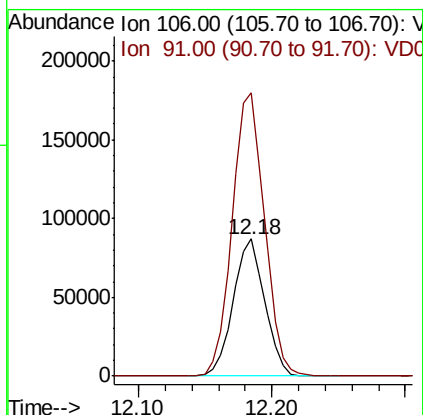
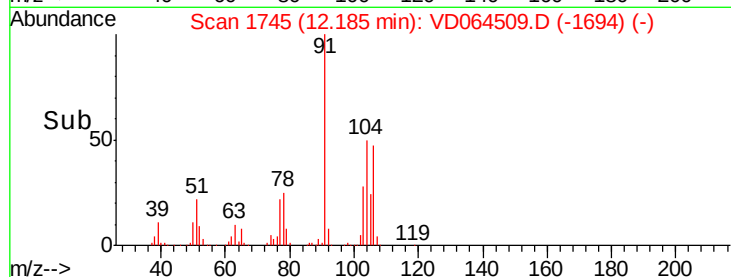
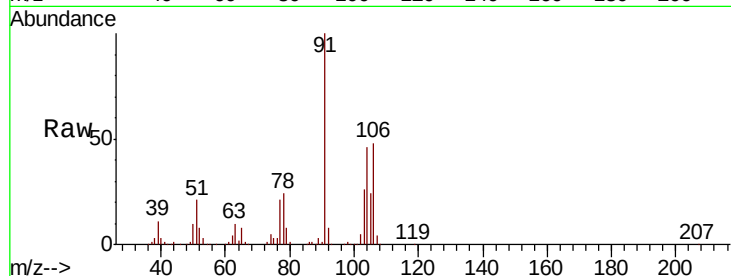
91 212.2 103.8 311.4

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#70

Styrene

Concen: 20.873 ug/l

RT: 12.20 min Scan# 1747

Delta R.T. -0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

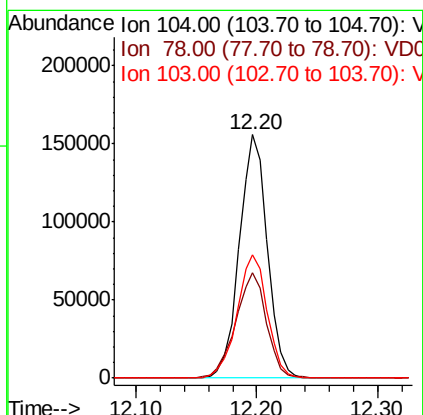
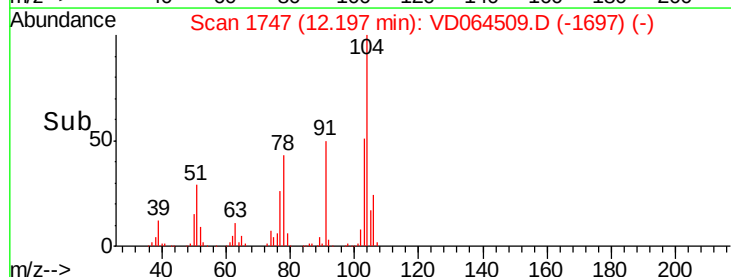
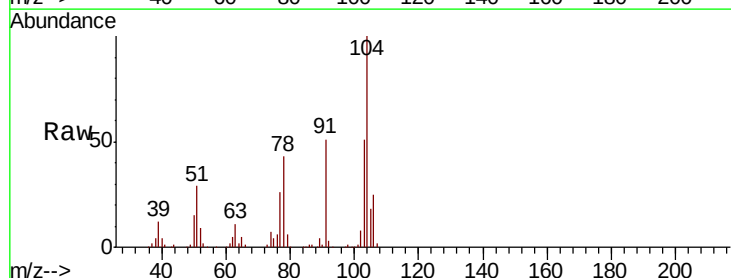
Tgt Ion:104 Resp: 252074

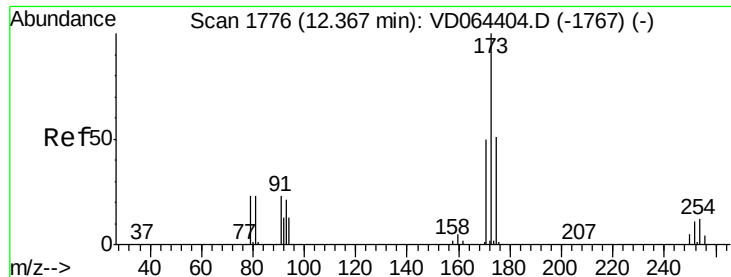
Ion Ratio Lower Upper

104 100

78 47.4 38.8 58.2

103 54.7 44.2 66.4





#71

Bromoform

Concen: 20.850 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

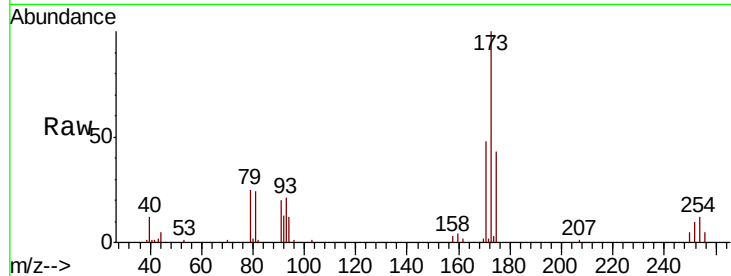
ClientSampleId :

VD1213SBSD01

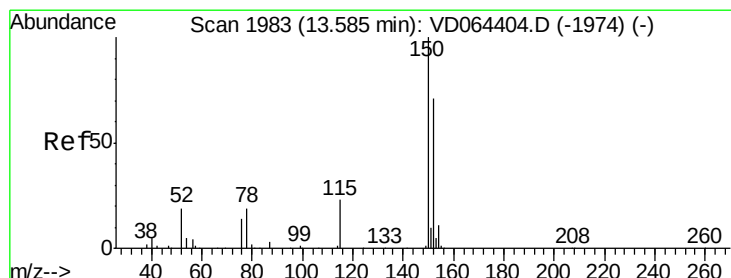
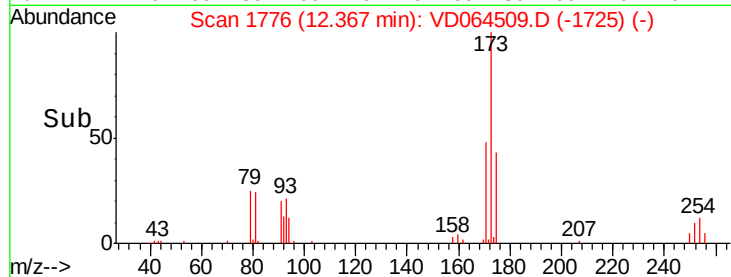
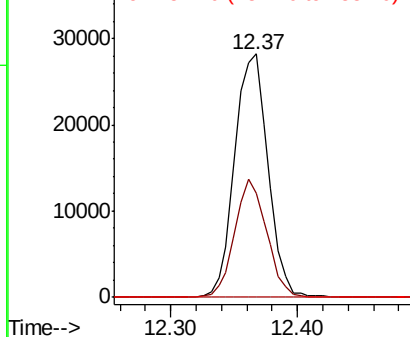
Tot Ion:	173	Resp:	51218
Ion Ratio	Lower	Upper	
173	100		
175	46.4	25.3	75.8
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

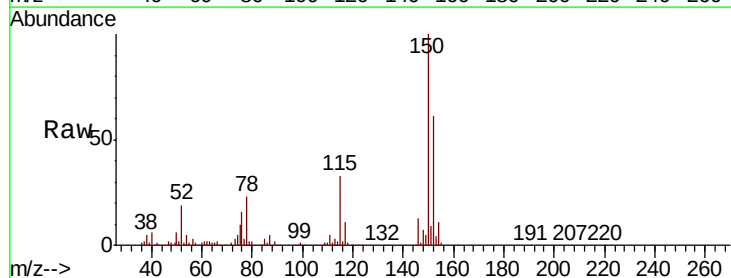
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

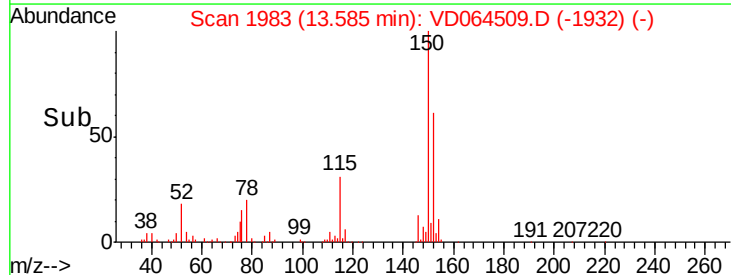
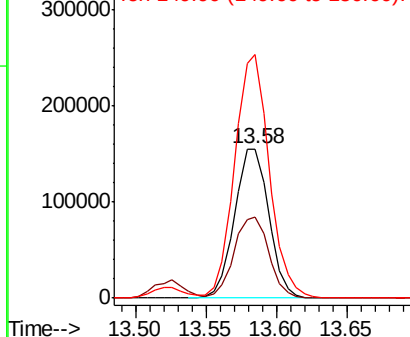
Lab File: VD064509.D

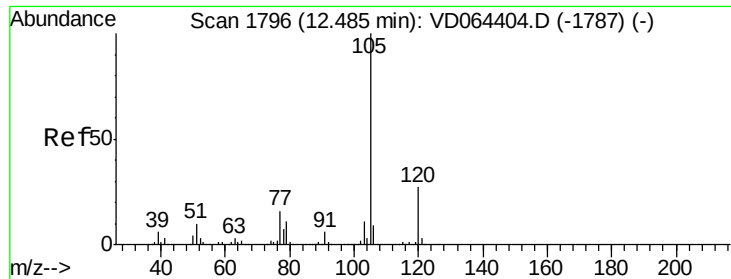
Acq: 13 Dec 2019 16:22

Tgt Ion:	152	Resp:	263386
Ion Ratio	Lower	Upper	
152	100		
115	55.0	26.7	80.1
150	164.6	0.0	347.2



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





#73

Isopropylbenzene

Concen: 20.874 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

Tot Ion: 105 Resp: 395422

Ion Ratio Lower Upper

105 100

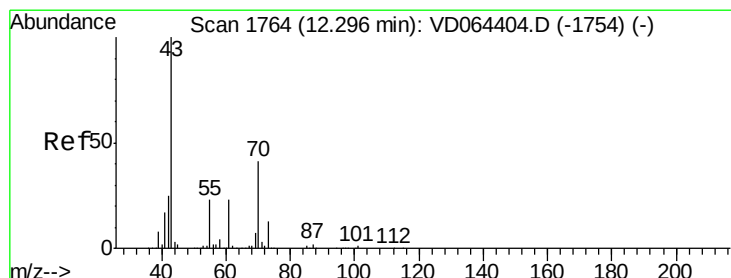
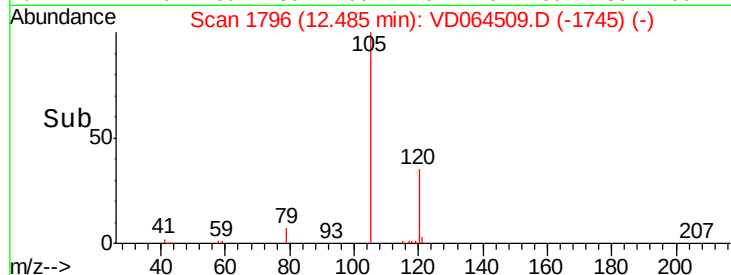
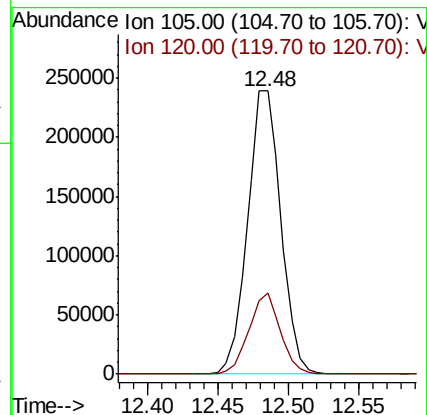
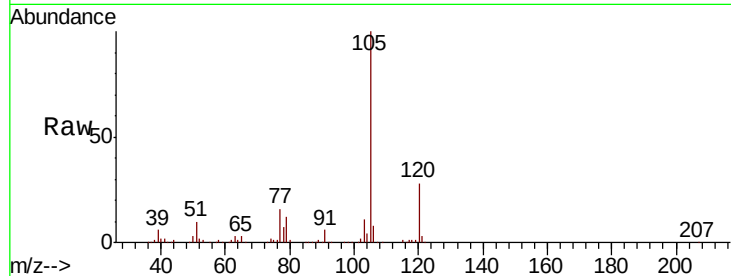
120 26.9 13.4 40.2

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#74

N-ethyl acetate

Concen: 20.493 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Tgt Ion: 43 Resp: 88106

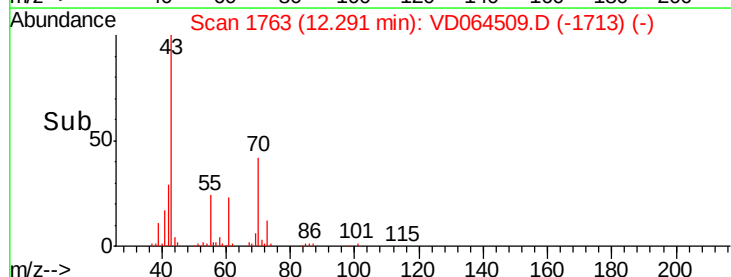
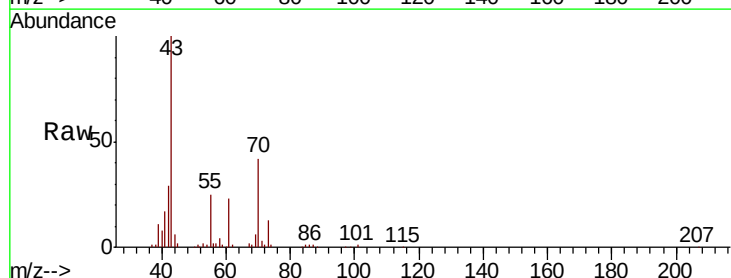
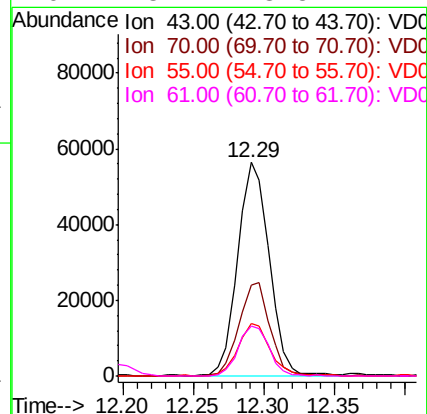
Ion Ratio Lower Upper

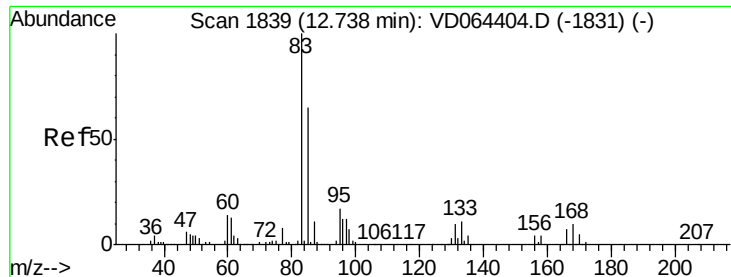
43 100

70 42.4 33.4 50.2

55 24.8 18.9 28.3

61 23.1 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.086 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

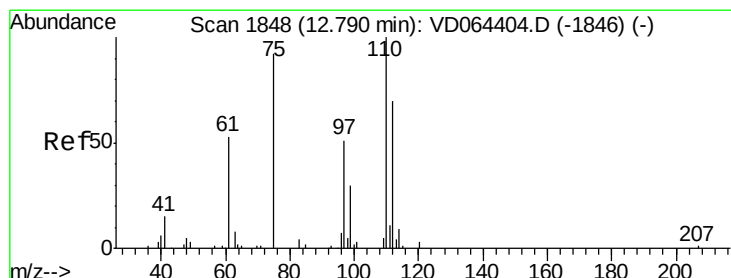
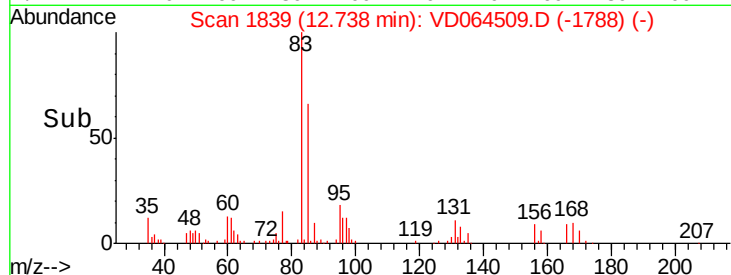
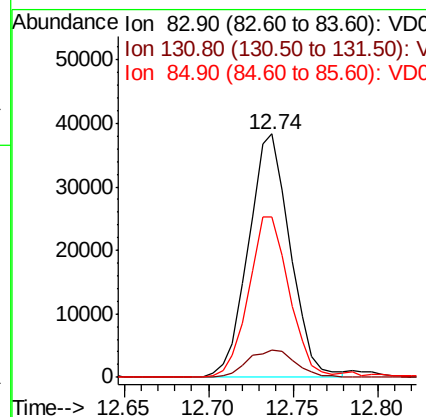
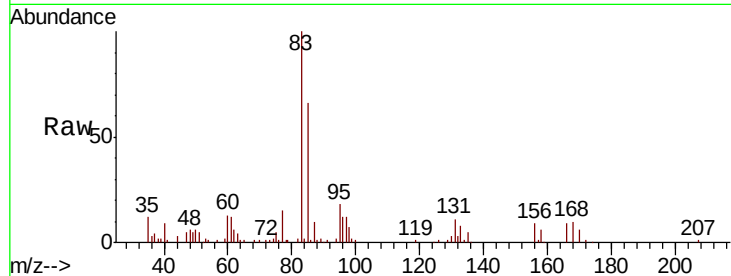
ClientSampleId :

VD1213SBSD01

Tot Ion:	83	Resp:	66053
Ion	Ratio	Lower	Upper
83	100		
131	12.9	5.7	17.0
85	64.1	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 22.604 ug/l m

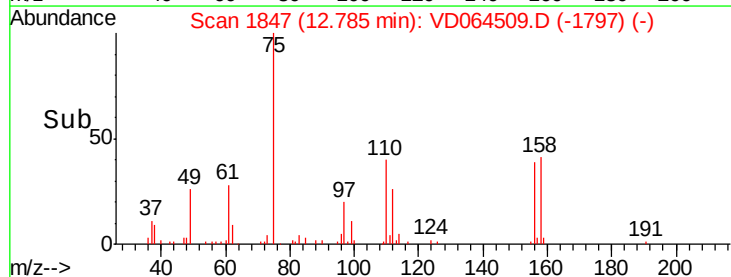
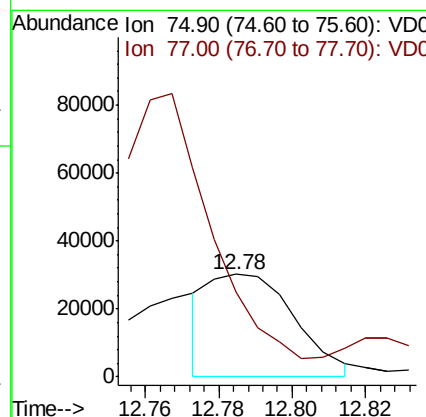
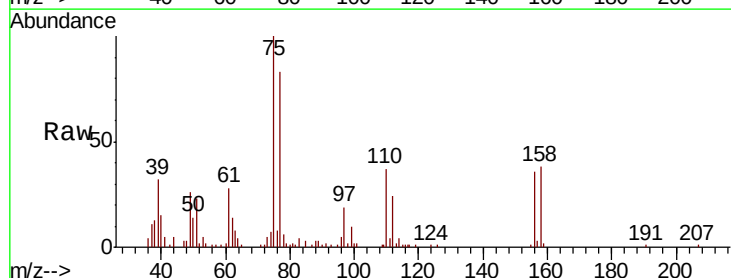
RT: 12.78 min Scan# 1847

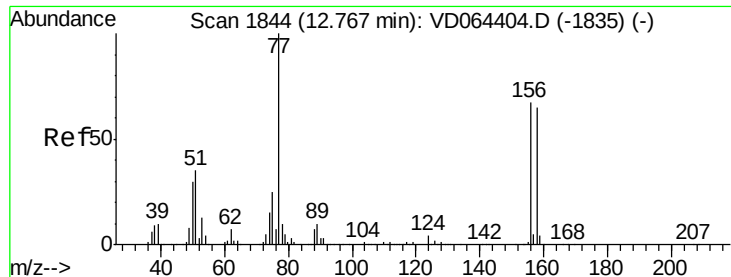
Delta R.T. -0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Tgt Ion:	75	Resp:	48960
Ion	Ratio	Lower	Upper
75	100		
77	321.0	0.0	0.0#





#77

Bromobenzene

Concen: 21.003 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

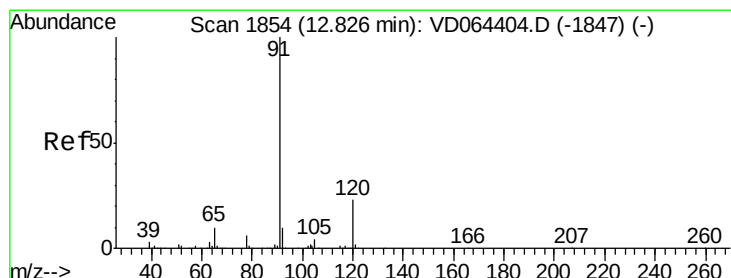
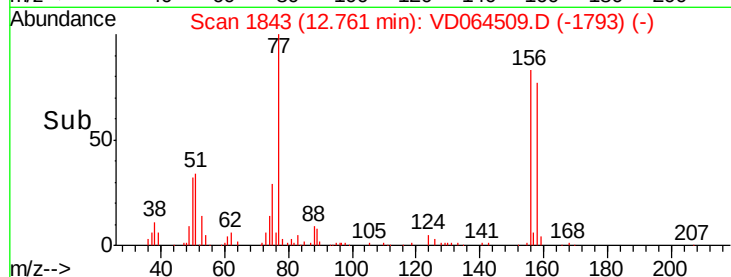
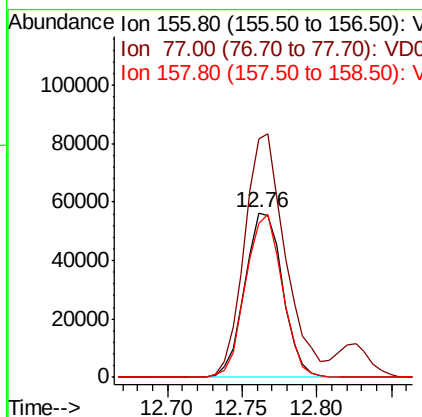
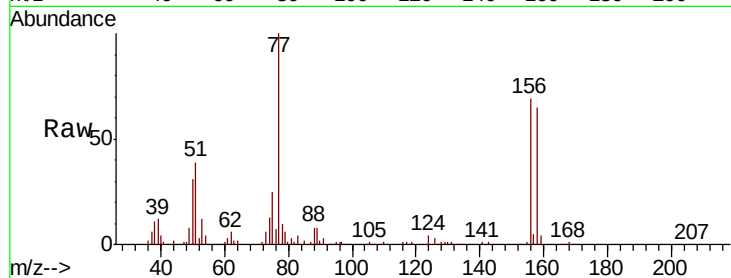
ClientSampleId :

VD1213SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	160.0	80.0	240.2	
158	96.8	48.9	146.6	

Manual Integrations
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#78

n-propylbenzene

Concen: 20.856 ug/l

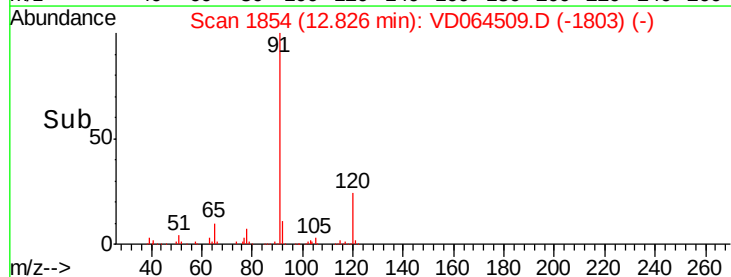
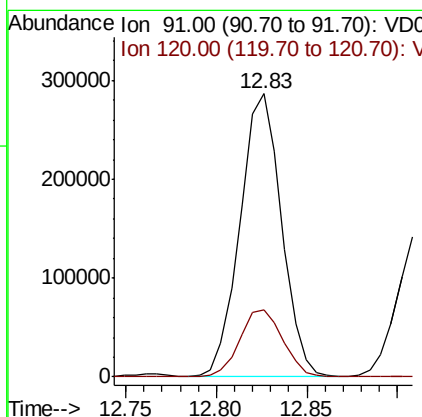
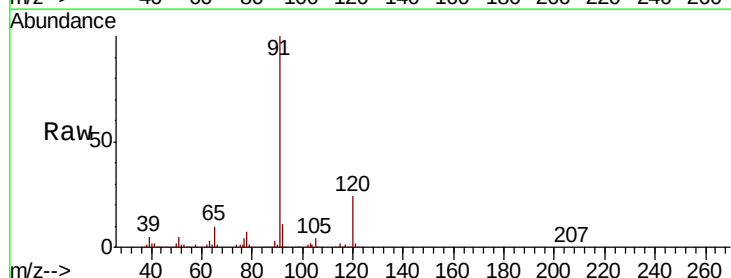
RT: 12.83 min Scan# 1854

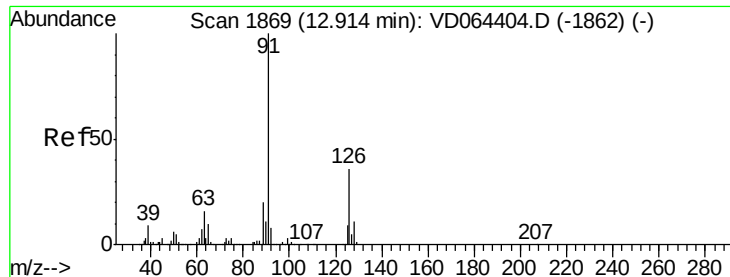
Delta R.T. 0.00 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.5	11.9	35.9	





#79

2-Chlorotoluene

Concen: 20.868 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBSD01

Tot Ion: 91 Resp: 250969

Ion Ratio Lower Upper

91 100

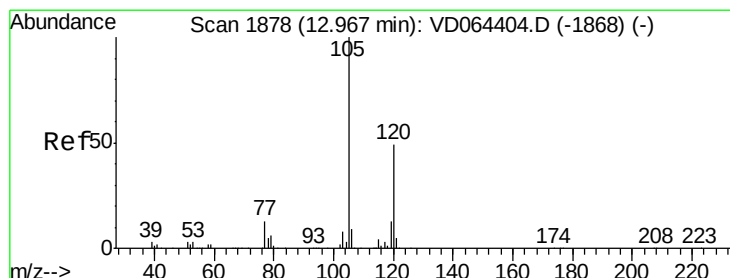
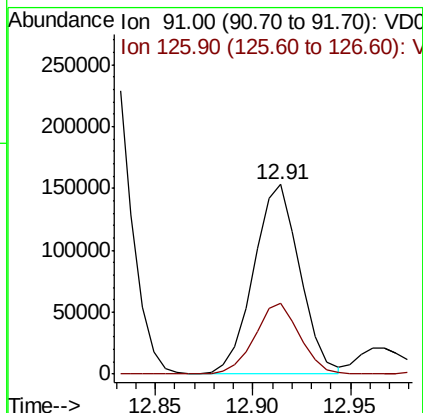
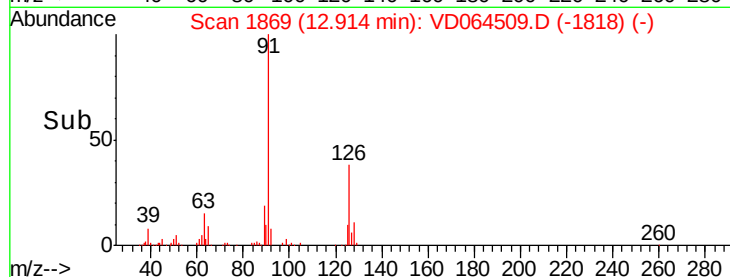
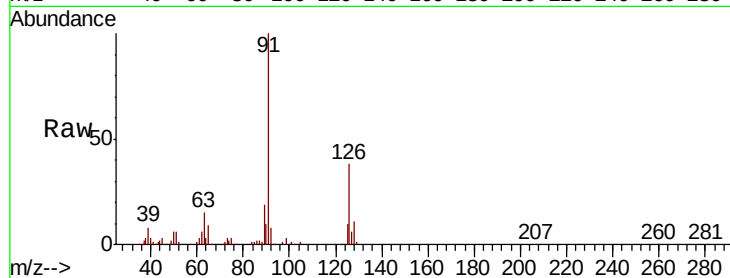
126 36.4 18.0 54.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.934 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD064509.D

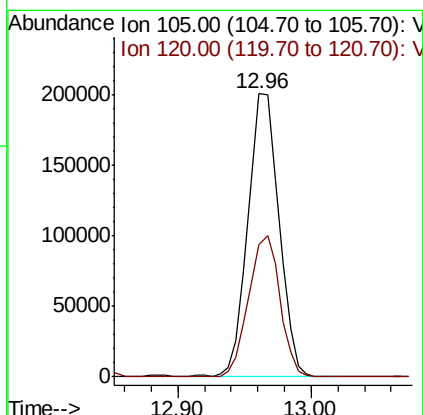
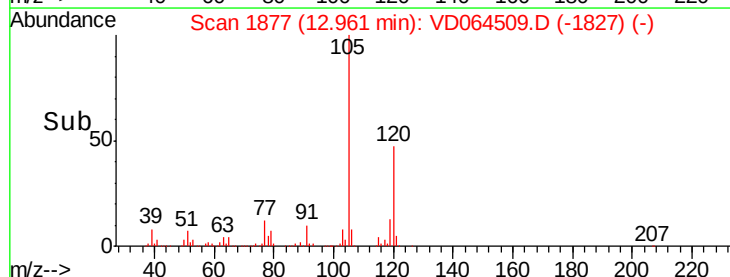
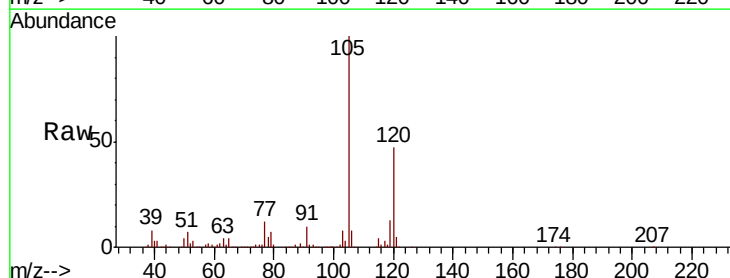
Acq: 13 Dec 2019 16:22

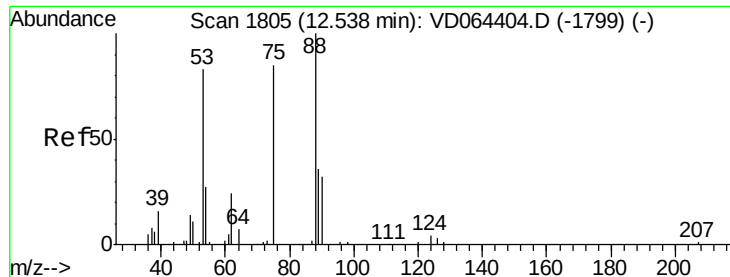
Tgt Ion: 105 Resp: 324063

Ion Ratio Lower Upper

105 100

120 50.1 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 21.399 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

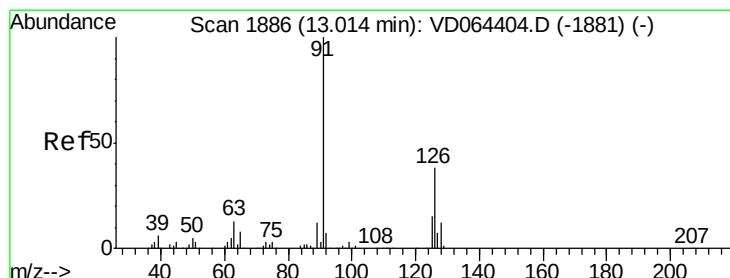
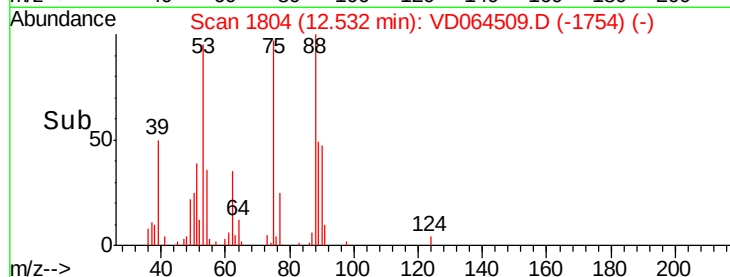
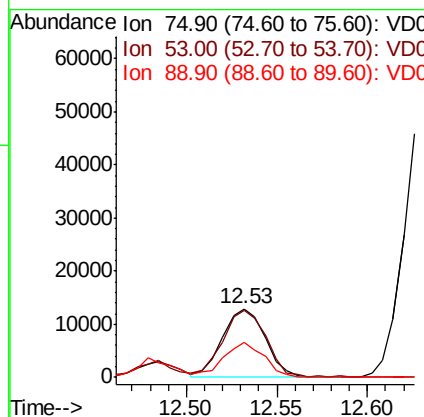
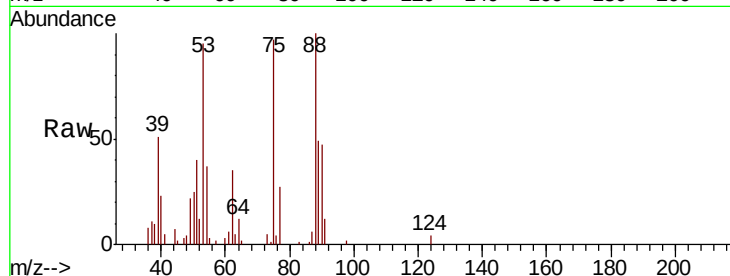
ClientSampleId :

VD1213SBSD01

Tot Ion:	75	Resp:	21256
Ion	Ratio	Lower	Upper
75	100		
53	100.3	81.0	121.6
89	47.8	38.5	57.7

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#82

4-Chlorotoluene

Concen: 20.810 ug/l

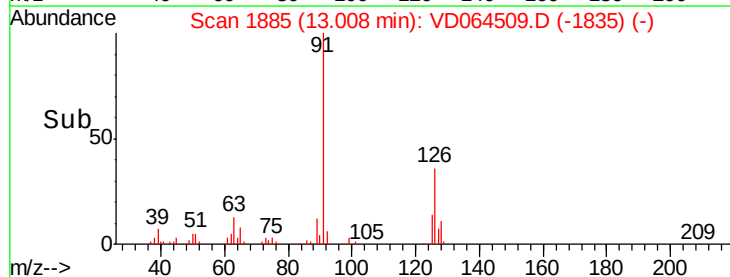
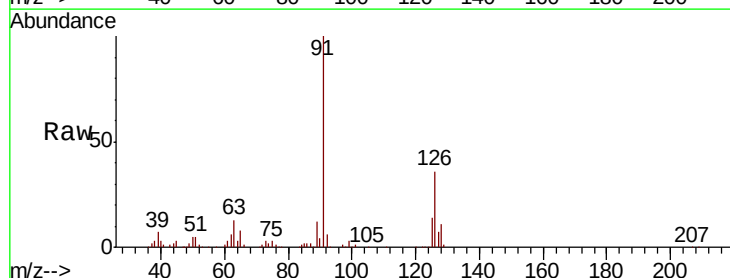
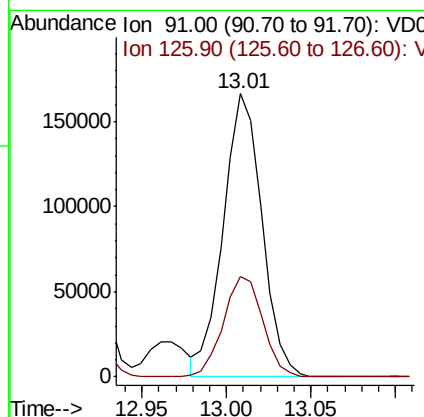
RT: 13.01 min Scan# 1885

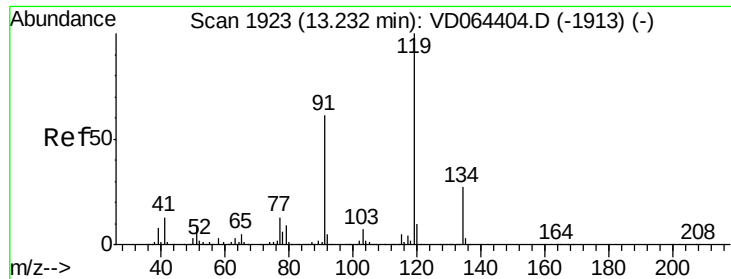
Delta R.T. -0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Tgt Ion:	91	Resp:	264980
Ion	Ratio	Lower	Upper
91	100		
126	36.4	18.2	54.6





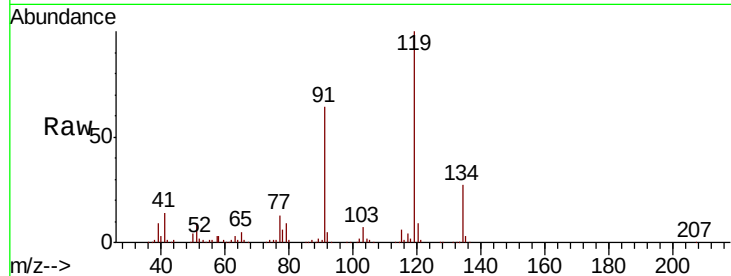
#83
 tert-Butylbenzene
 Concen: 21.087 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

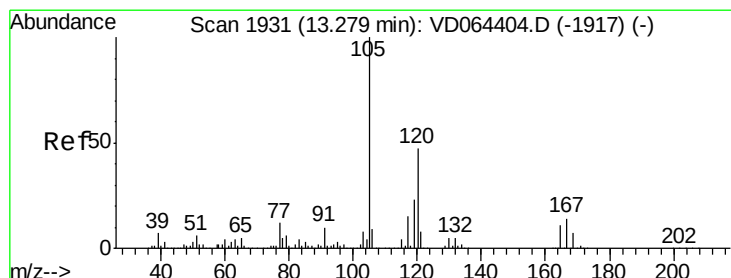
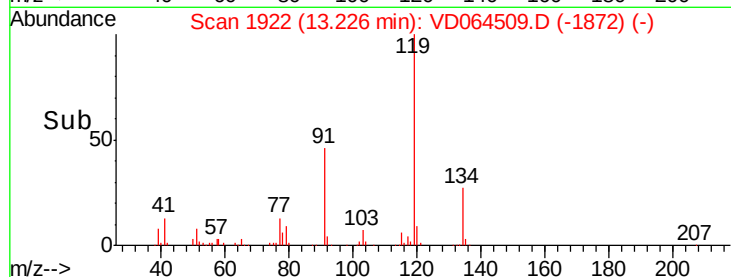
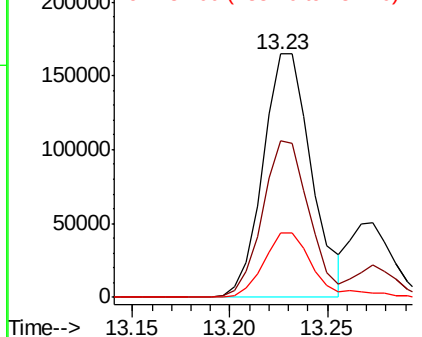
Tot Ion	Ratio	Resp	Lower	Upper
119	100	283793		
91	61.7		31.2	93.6
134	27.7		13.9	41.7

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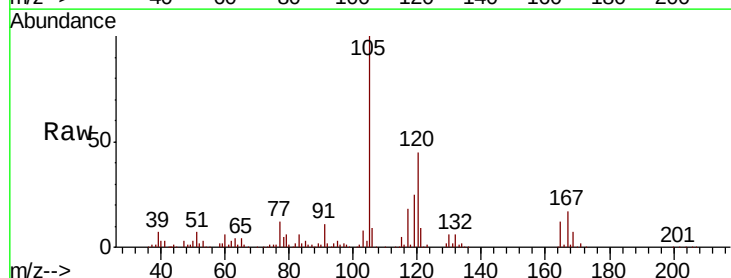


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

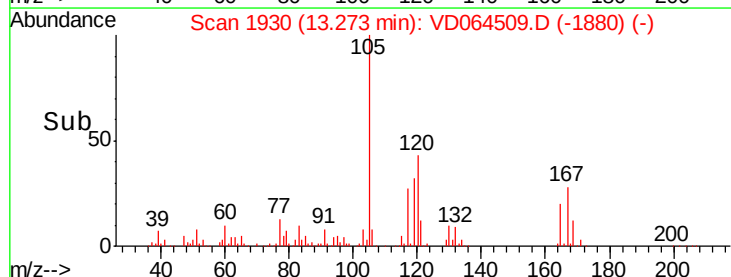
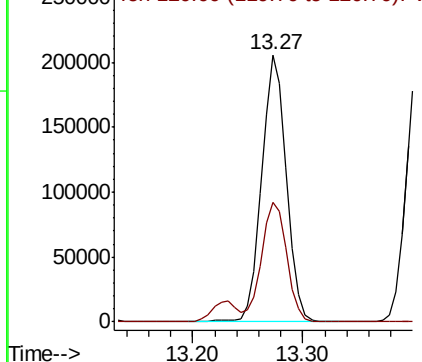


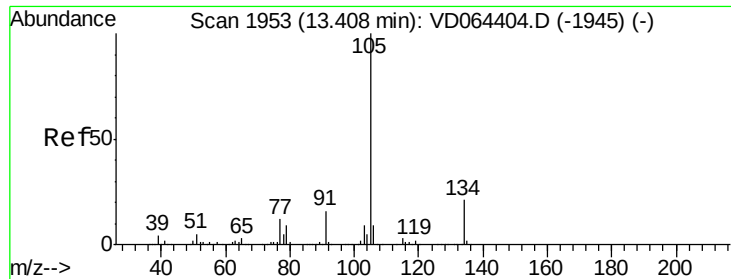
#84
 1,2,4-Trimethylbenzene
 Concen: 20.643 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	321323		
120	46.2		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: 20.972 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

Tot Ion:105 Resp: 387366

Ion Ratio Lower Upper

105 100

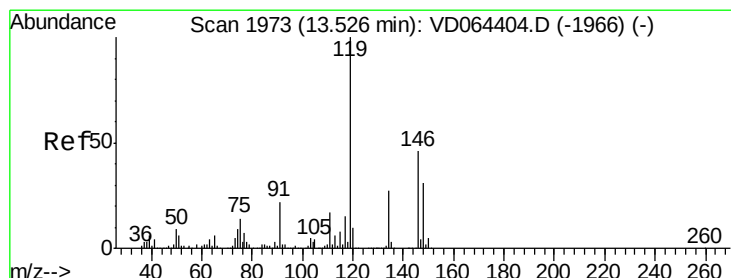
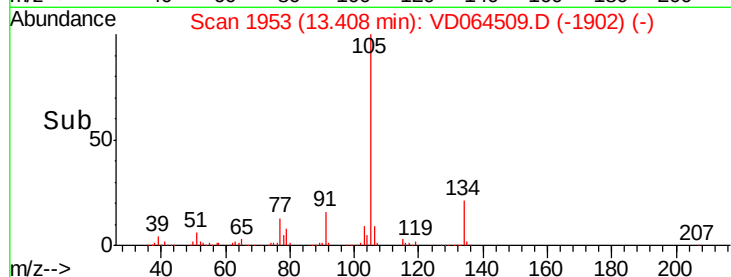
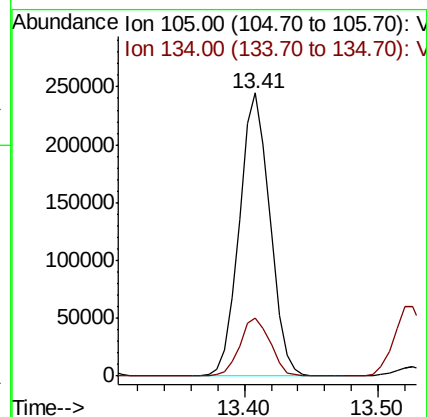
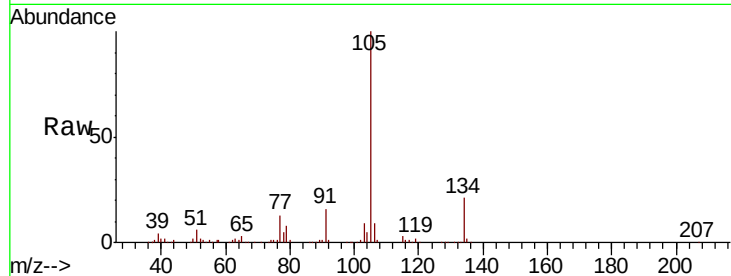
134 20.6 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 20.742 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

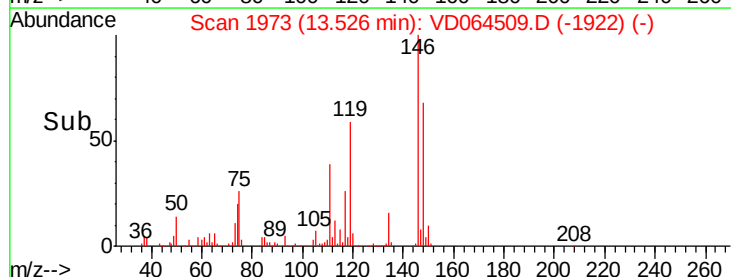
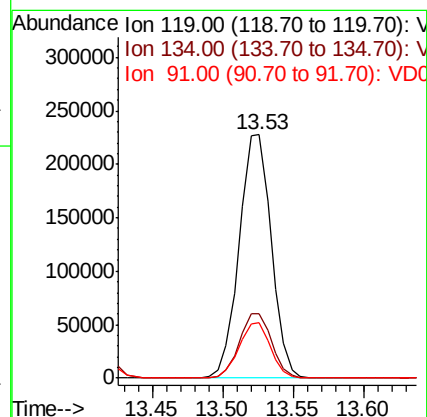
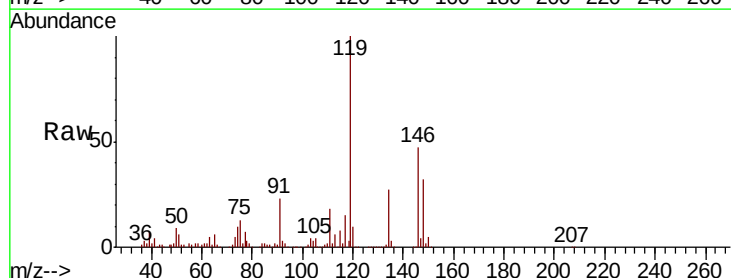
Tgt Ion:119 Resp: 361698

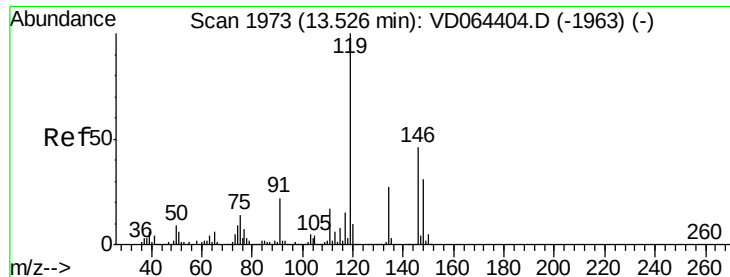
Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

91 22.5 11.2 33.5





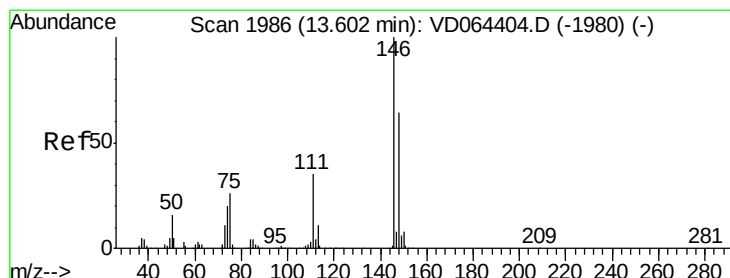
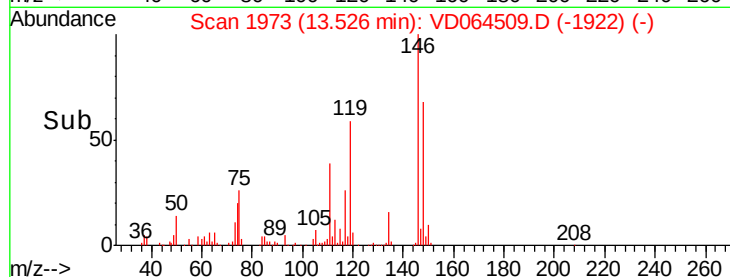
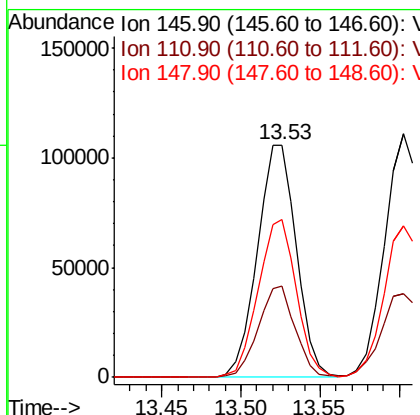
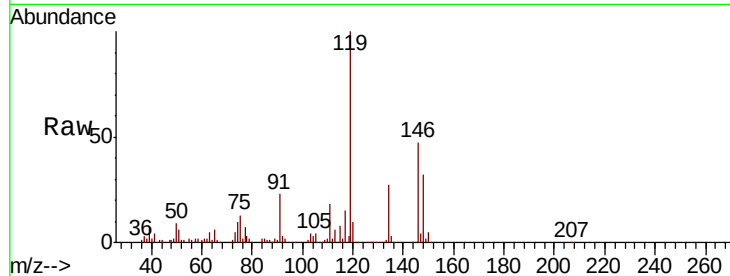
#87
 1,3-Dichlorobenzene
 Concen: 20.412 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	181233		
111	37.1	18.8	56.4	
148	66.6	32.6	97.8	

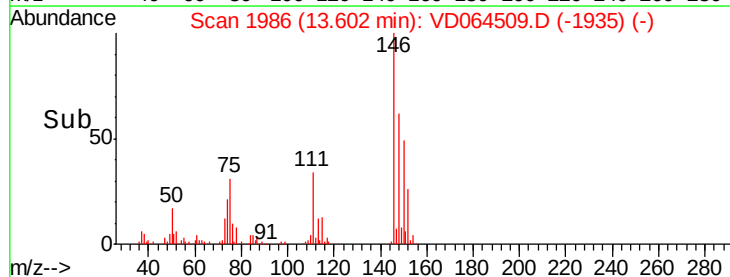
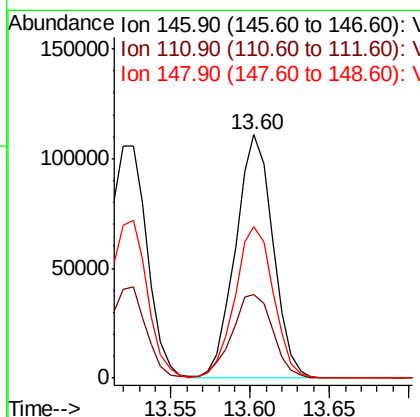
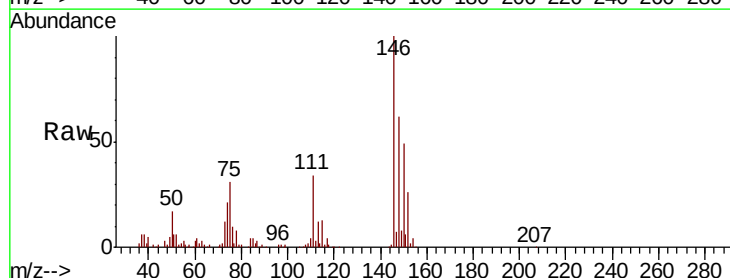
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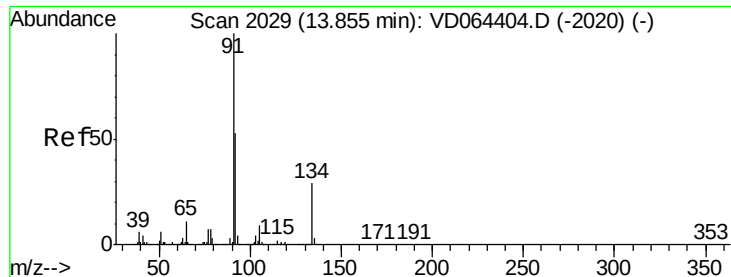
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#88
 1,4-Dichlorobenzene
 Concen: 20.767 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	182036		
111	37.5	18.2	54.6	
148	64.1	31.8	95.4	





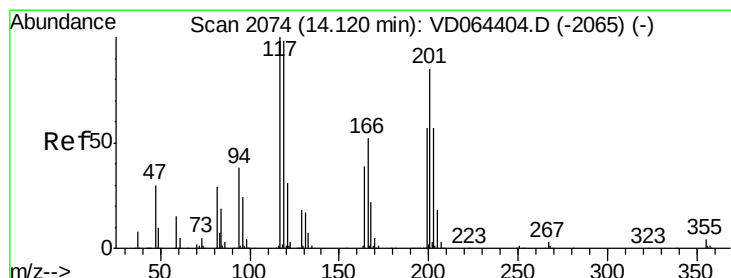
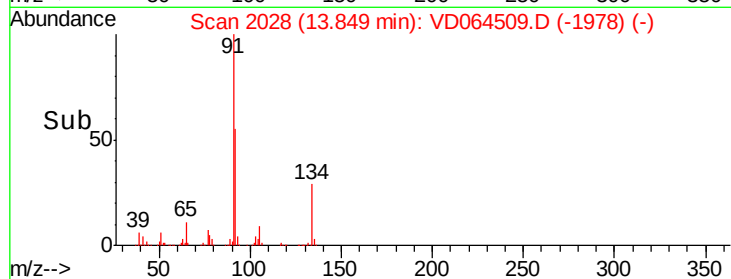
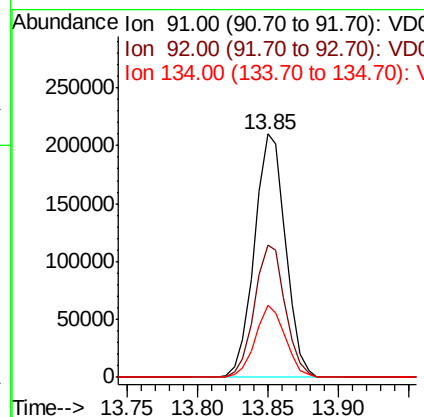
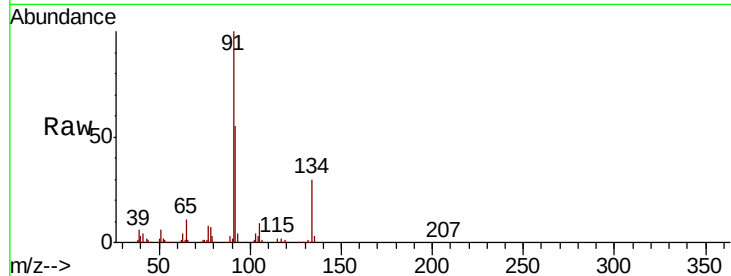
#89
n-Butylbenzene
Concen: 20.574 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.5	79.4
134	28.5	13.9	41.7

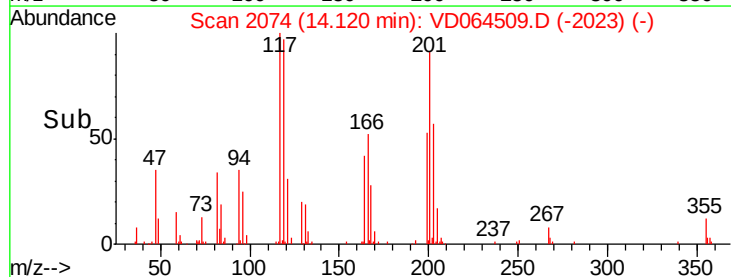
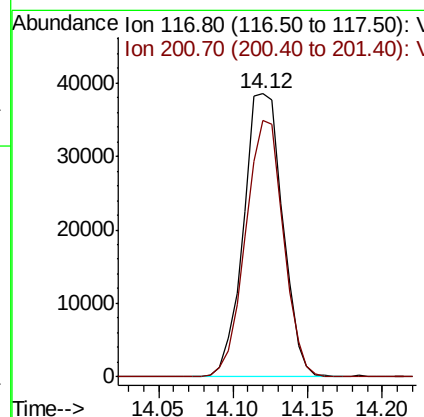
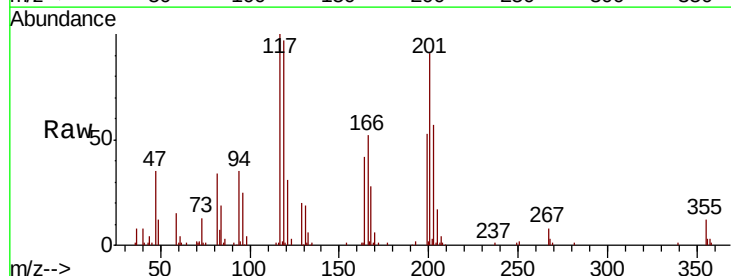
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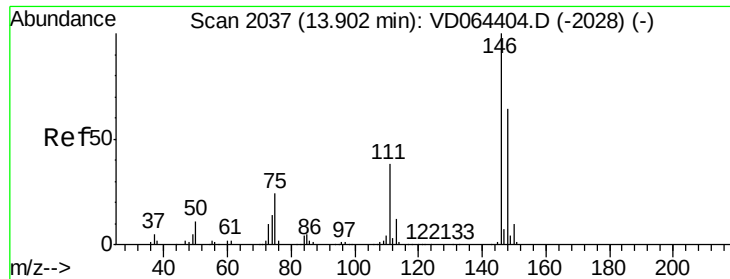
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#90
Hexachloroethane
Concen: 21.420 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.6	44.3	132.8





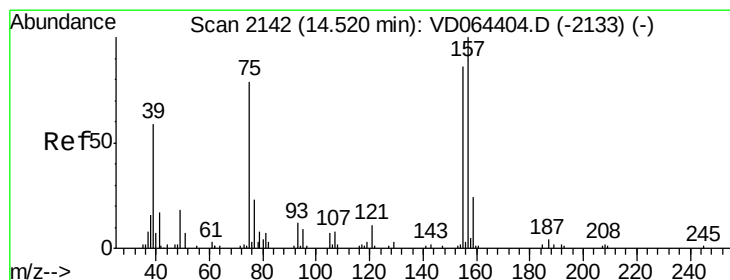
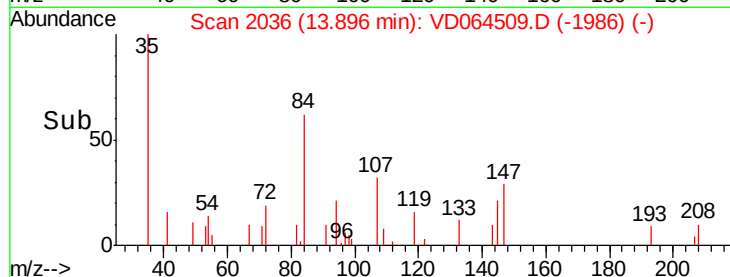
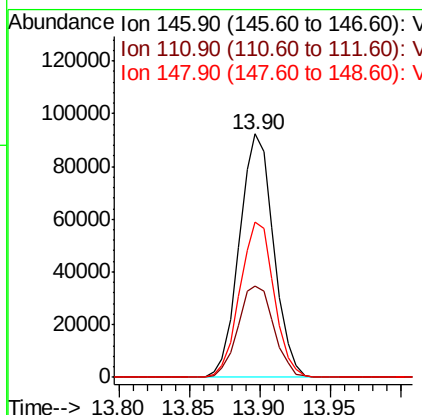
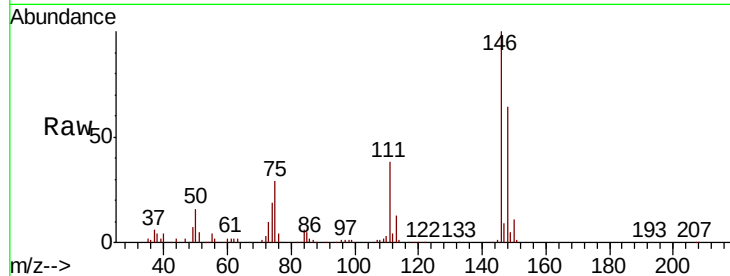
#91
 1,2-Dichlorobenzene
 Concen: 20.592 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.1	57.3
148	64.1	32.0	96.0

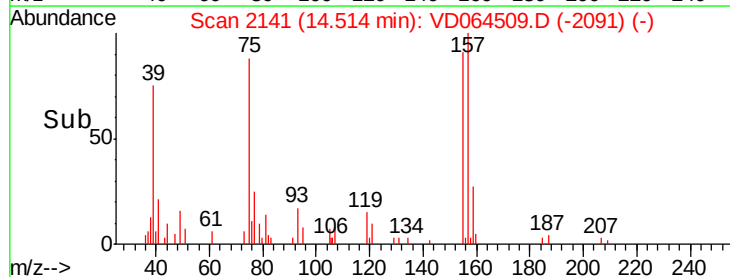
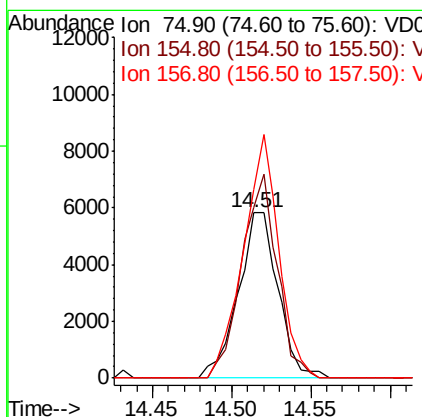
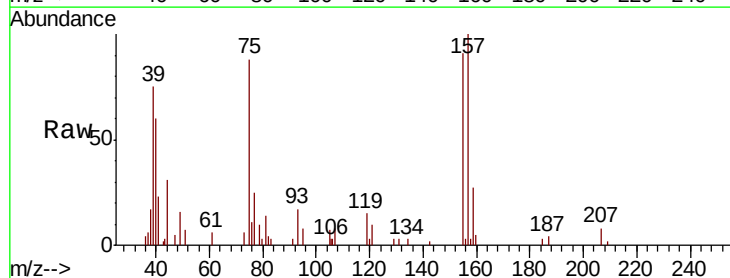
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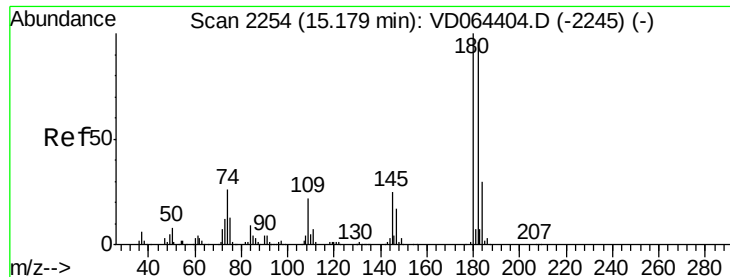
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.972 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	110.3	51.9	155.7
157	130.6	63.2	189.8





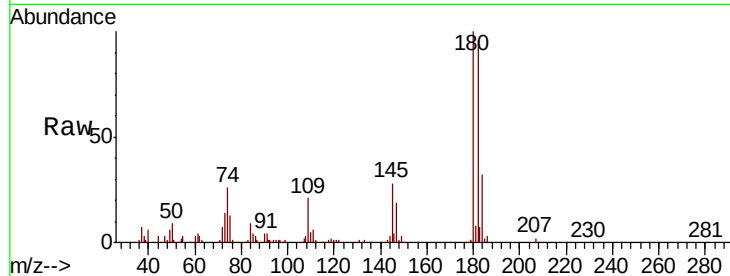
#93
 1,2,4-Trichlorobenzene
 Concen: 20.493 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	119084		
182	94.0	47.4	142.3	
145	28.5	14.0	41.9	

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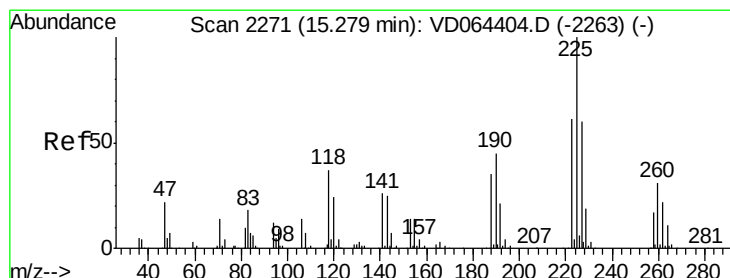
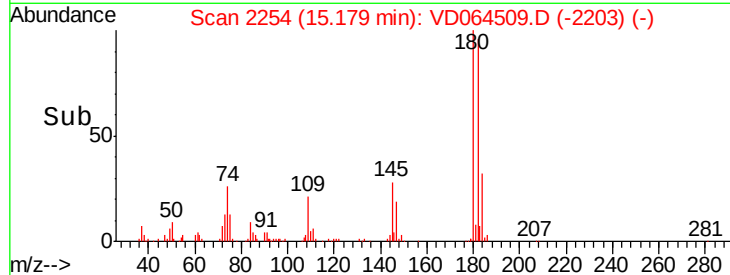
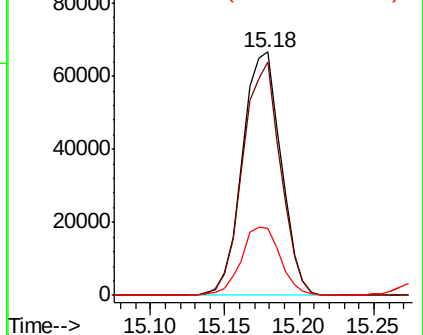


Abundance

Ion 179.80 (179.50 to 180.50): V

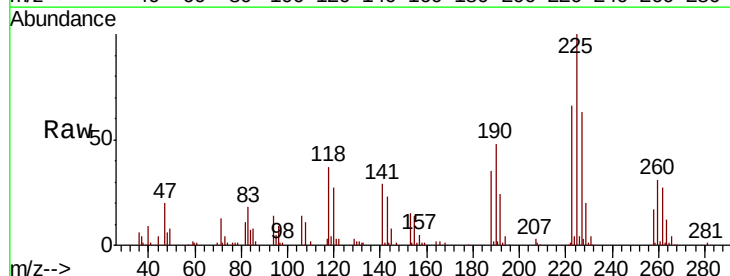
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.775 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	74529		
223	64.2	31.1	93.3	
227	63.4	31.8	95.4	

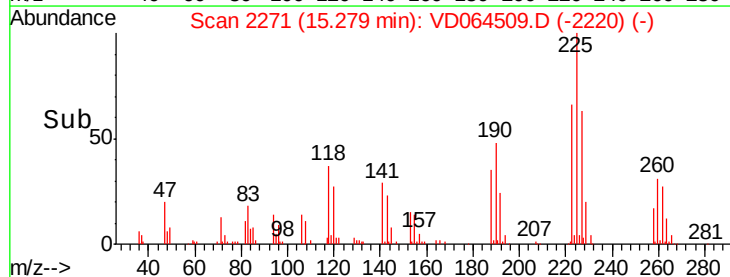
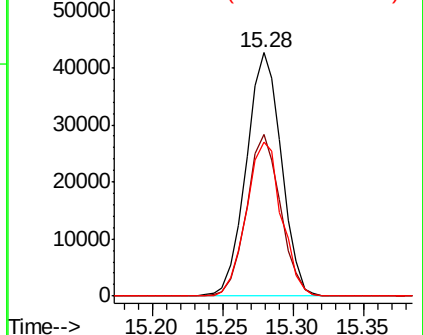


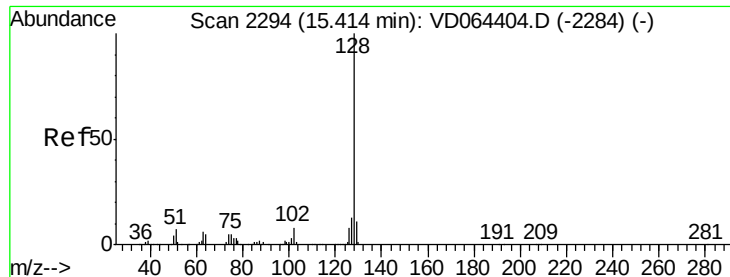
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





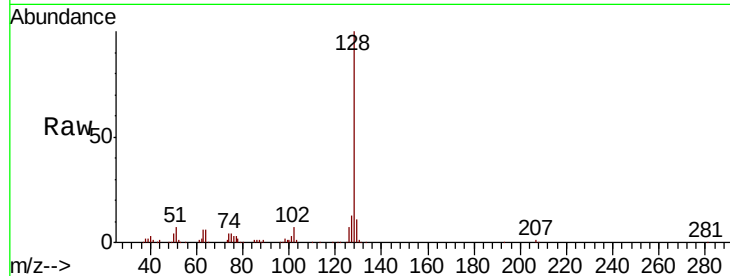
#95
Naphthalene
Concen: 20.378 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.9	8.8	13.2

Manual Integrations
APPROVED

apatel
12/16/2019 12:15:57 PM

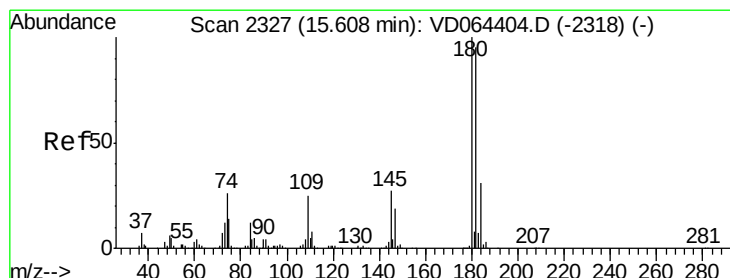
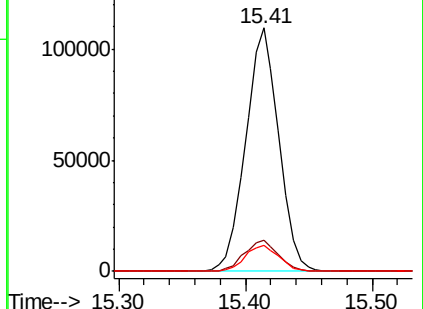
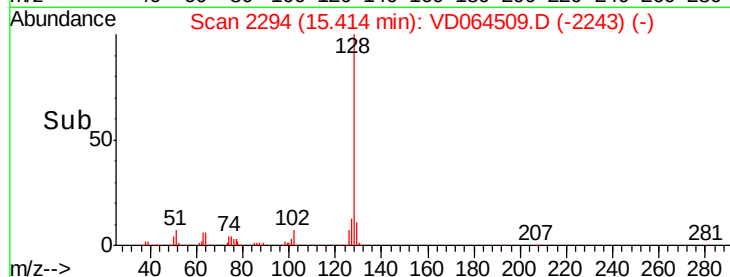


Abundance

Ion 128.00 (127.70 to 128.70): V

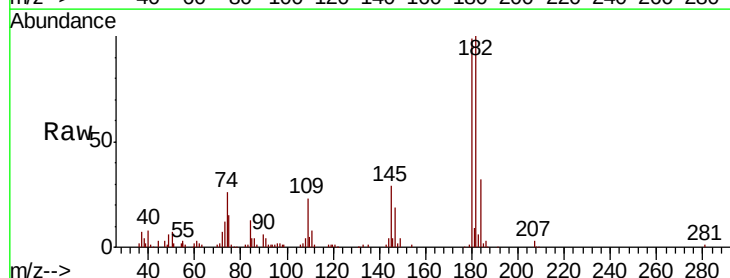
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.797 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.6	142.9
145	28.7	14.6	43.8



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

