

Data File : VD064504.D
Acq On : 11 Dec 2019 17:18
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 12 03:07:48 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	602865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	874826	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	804885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	400452	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	278662	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
35) Dibromofluoromethane	7.91	113	280255	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	10.34	98	1073225	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
62) 4-Bromofluorobenzene	12.64	95	355913	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	279612	51.187	ug/l	100
3) Chloromethane	2.21	50	353541	51.314	ug/l	100
4) Vinyl Chloride	2.35	62	387786	48.747	ug/l	98
5) Bromomethane	2.77	94	252176	42.867	ug/l	98
6) Chloroethane	2.93	64	259605	48.824	ug/l	97
7) Trichlorofluoromethane	3.27	101	630321	47.663	ug/l	99
8) Diethyl Ether	3.71	74	152699	55.566	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	304320	53.669	ug/l	98
10) Methyl Iodide	4.29	142	356198	59.485	ug/l	98
11) Tert butyl alcohol	5.24	59	86475	248.954	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	289516	53.279	ug/l	97
13) Acrolein	3.93	56	127498	269.106	ug/l	98
14) Allyl chloride	4.71	41	471868	55.643	ug/l	98
15) Acrylonitrile	5.43	53	300506	250.067	ug/l	100
16) Acetone	4.17	43	269732	244.608	ug/l	97
17) Carbon Disulfide	4.40	76	844287	49.058	ug/l	98
18) Methyl Acetate	4.73	43	155887	48.464	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	663356	53.219	ug/l	97
20) Methylene Chloride	4.96	84	335598	60.863	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	316088	51.425	ug/l	98
22) Diisopropyl ether	6.37	45	922576	55.108	ug/l	98
23) Vinyl Acetate	6.31	43	2660127	269.529	ug/l	98
24) 1,1-Dichloroethane	6.26	63	533506	52.990	ug/l	98
25) 2-Butanone	7.22	43	375245	240.624	ug/l	99
26) 2,2-Dichloropropane	7.21	77	473629	54.094	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	345981	51.630	ug/l	99
28) Bromochloromethane	7.54	49	182026	52.903	ug/l	99
29) Tetrahydrofuran	7.57	42	238473	240.356	ug/l	98
30) Chloroform	7.71	83	555732	53.298	ug/l	98
31) Cyclohexane	7.98	56	467669	53.529	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	509868	52.744	ug/l	100
36) 1,1-Dichloropropene	8.11	75	418070	50.524	ug/l	99
37) Ethyl Acetate	7.30	43	177003	50.413	ug/l	99
38) Carbon Tetrachloride	8.09	117	462403	52.947	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	572032	55.730	ug/l	97
40) Benzene	8.35	78	1181807	51.423	ug/l	98
41) Methacrylonitrile	7.53	41	103390	51.347	ug/l	91
42) 1,2-Dichloroethane	8.43	62	352324	52.568	ug/l	99
43) Isopropyl Acetate	8.46	43	367862	53.286	ug/l	97
44) Trichloroethene	9.11	130	354856	51.259	ug/l	98
45) 1,2-Dichloropropane	9.39	63	287001	52.216	ug/l	98
46) Dibromomethane	9.48	93	156423	50.424	ug/l	99
47) Bromodichloromethane	9.66	83	428289	53.732	ug/l	99
48) Methyl methacrylate	9.46	41	161354	51.078	ug/l	93
49) 1,4-Dioxane	9.46	88	37077	967.893	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	848053	248.274	ug/l	100
52) Toluene	10.40	92	778602	51.984	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	400127	52.672	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	472979	52.411	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	282324	66.465	ug/l	98
56) Ethyl methacrylate	10.66	69	386844	71.404	ug/l	90
57) 1,3-Dichloropropane	10.94	76	370241	51.204	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	511004	236.608	ug/l	99
59) 2-Hexanone	10.98	43	787777	332.370	ug/l	81
60) Dibromochloromethane	11.14	129	296040	51.402	ug/l	96
61) 1,2-Dibromoethane	11.25	107	213661	50.378	ug/l	98
64) Tetrachloroethene	10.88	164	307691	50.130	ug/l	93
65) Chlorobenzene	11.67	112	826392	49.227	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	313861	50.505	ug/l	99
67) Ethyl Benzene	11.74	91	1508212	50.495	ug/l	98
68) m/p-Xylenes	11.86	106	1158714	101.744	ug/l	98
69) o-Xylene	12.18	106	537314	51.085	ug/l	99
70) Styrene	12.20	104	932025	50.993	ug/l	99
71) Bromoform	12.36	173	177838	47.832	ug/l #	98
73) Isopropylbenzene	12.48	105	1461251	50.736	ug/l	100
74) N-amyl acetate	12.29	43	419711	64.208	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.74	83	225331	47.311	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	298048	90.504	ug/l #	100
77) Bromobenzene	12.77	156	354393	49.828	ug/l	98
78) n-propylbenzene	12.83	91	1678145	50.500	ug/l	99
79) 2-Chlorotoluene	12.91	91	937635	51.279	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	1201165	51.035	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	73273	48.516	ug/l	92
82) 4-Chlorotoluene	13.01	91	987823	51.024	ug/l	98
83) tert-Butylbenzene	13.23	119	1061886	51.897	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1194138	50.458	ug/l	98
85) sec-Butylbenzene	13.41	105	1427003	50.814	ug/l	100
86) p-Isopropyltoluene	13.52	119	1352618	51.017	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	672992	49.855	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	659649	49.496	ug/l	99
89) n-Butylbenzene	13.85	91	1220179	50.678	ug/l	99
90) Hexachloroethane	14.12	117	240698	48.538	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	575787	49.910	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	35586	50.005	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121119\
Quantitation Report (Not Reviewed)

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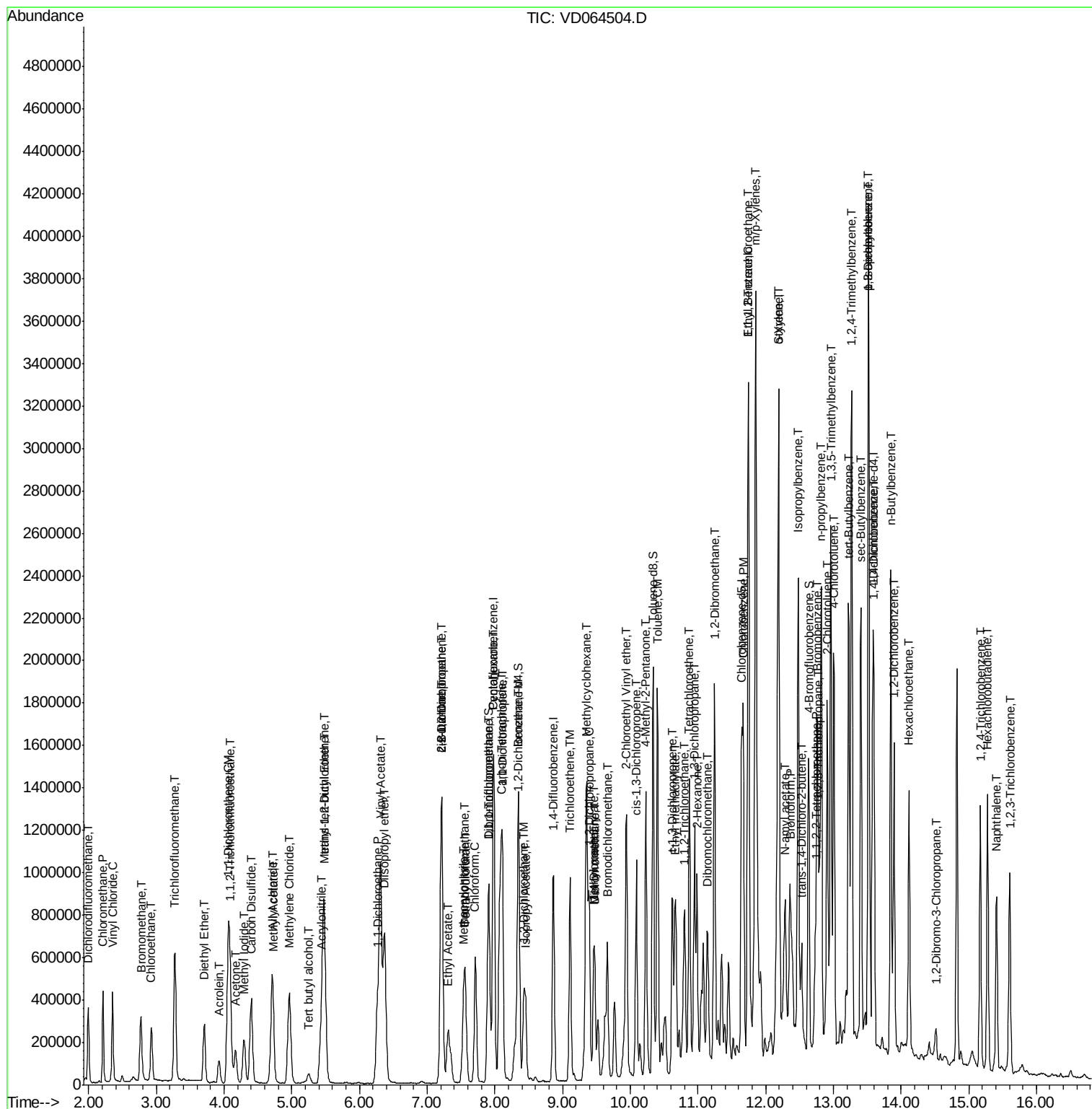
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	430327	48.706	ug/l	99
94) Hexachlorobutadiene	15.28	225	265655	48.706	ug/l	99
95) Naphthalene	15.41	128	737856	50.042	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	357974	47.466	ug/l	98

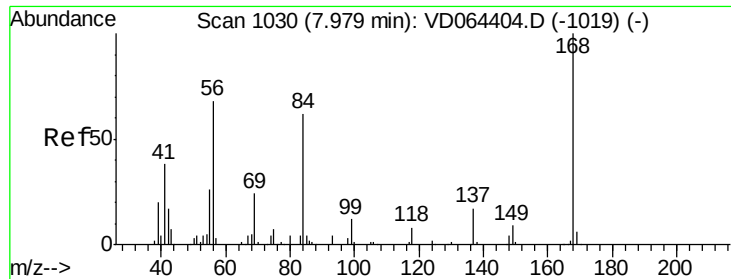
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

Instrument :

MSVOA_D

ClientSampleId :

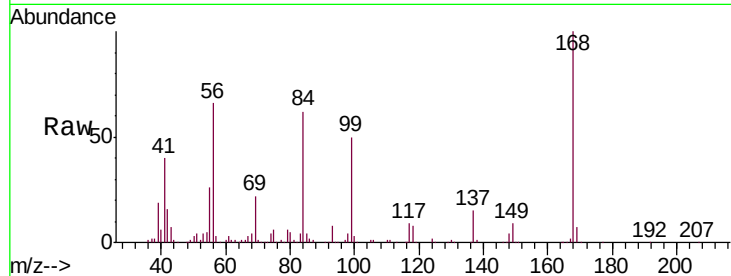
VSTDCCC050EC

Tgt Ion:168 Resp: 602865

Ion Ratio Lower Upper

168 100

99 50.0 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

300000

250000

200000

150000

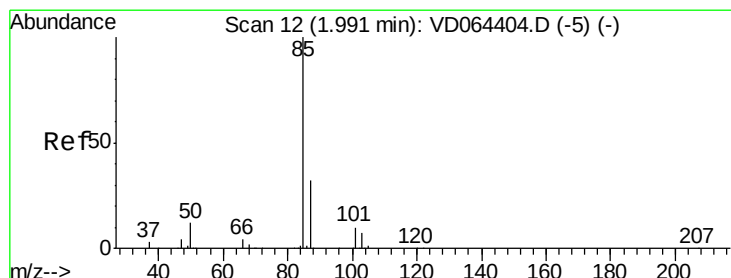
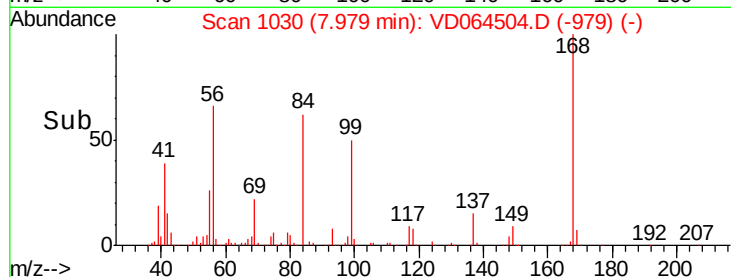
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 51.187 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064504.D

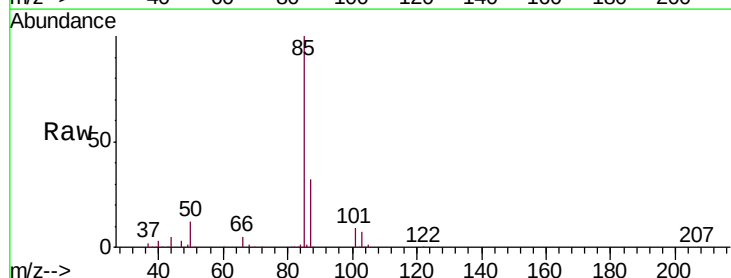
Acq: 11 Dec 2019 17:18

Tgt Ion: 85 Resp: 279612

Ion Ratio Lower Upper

85 100

87 31.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

200000

150000

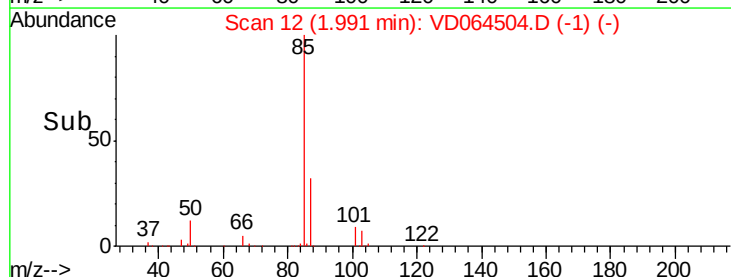
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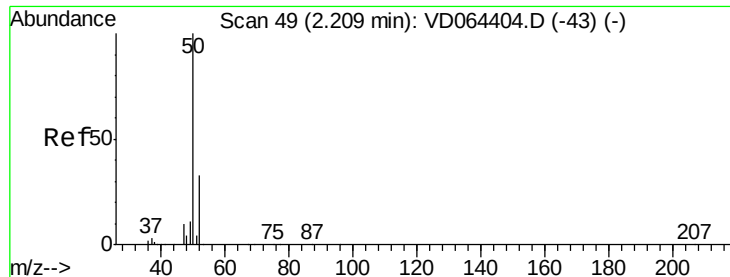
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 51.314 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

Instrument :

MSVOA_D

ClientSampleId :

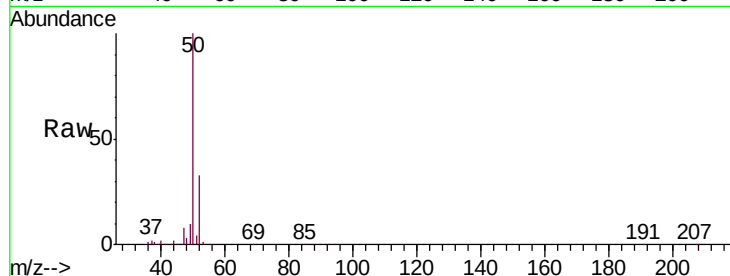
VSTDCCC050EC

Tgt Ion: 50 Resp: 353541

Ion Ratio Lower Upper

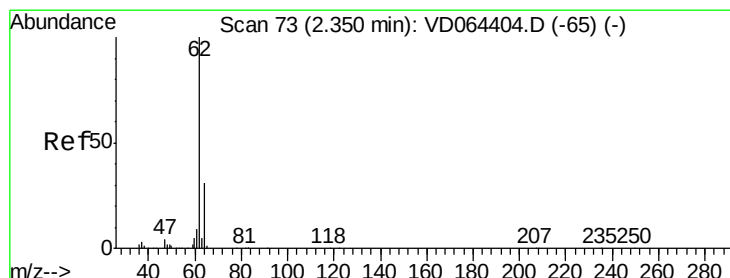
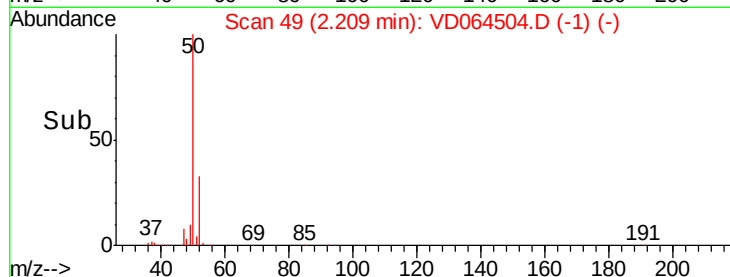
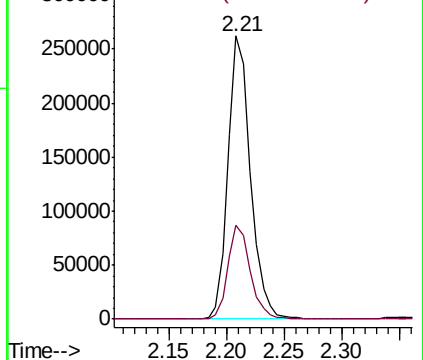
50 100

52 33.1 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.747 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064504.D

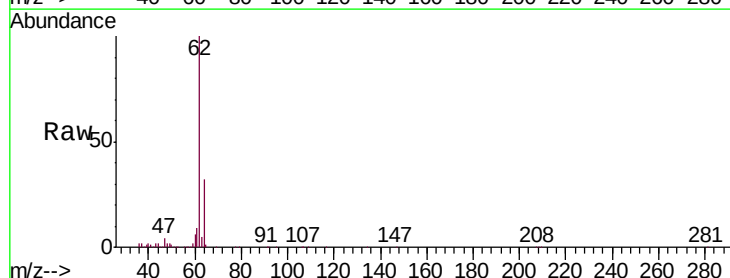
Acq: 11 Dec 2019 17:18

Tgt Ion: 62 Resp: 387786

Ion Ratio Lower Upper

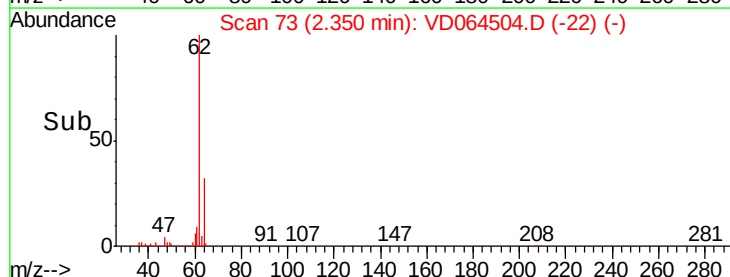
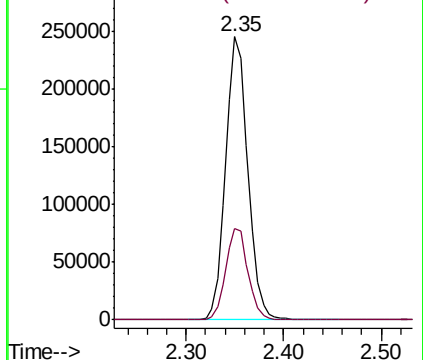
62 100

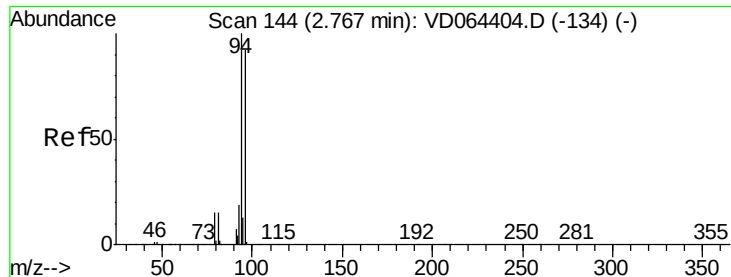
64 32.3 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 42.867 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

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Instrument :

MSVOA_D

ClientSampleId :

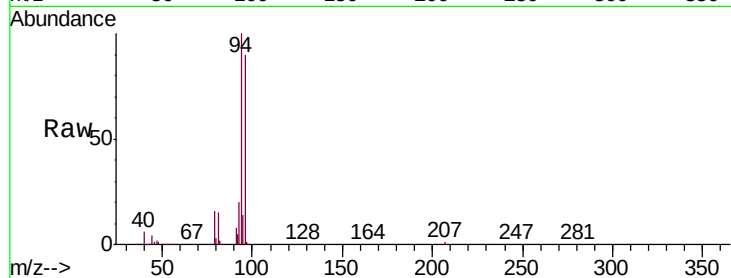
VSTDCCC050EC

Tgt Ion: 94 Resp: 252176

Ion Ratio Lower Upper

94 100

96 89.9 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

120000

100000

80000

60000

40000

20000

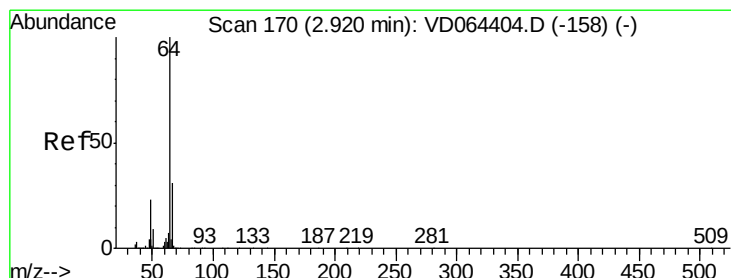
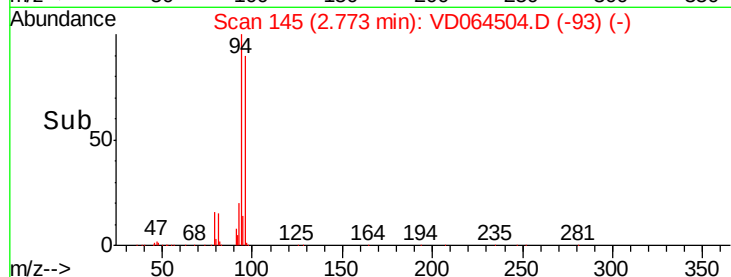
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Time-->

2.70

2.80

2.90



#6

Chloroethane

Concen: 48.824 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064504.D

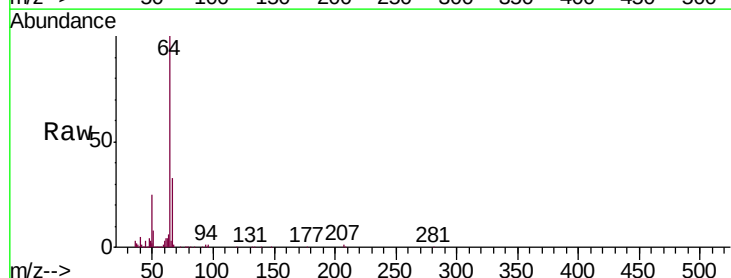
Acq: 11 Dec 2019 17:18

Tgt Ion: 64 Resp: 259605

Ion Ratio Lower Upper

64 100

66 32.6 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

100000

50000

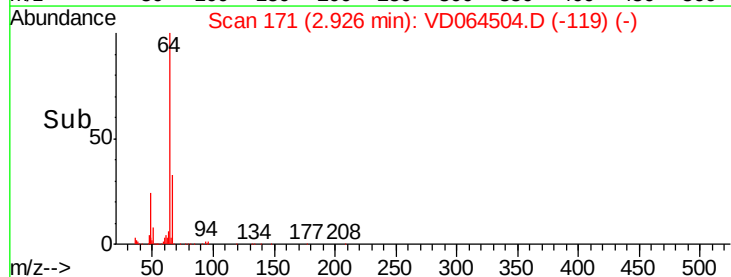
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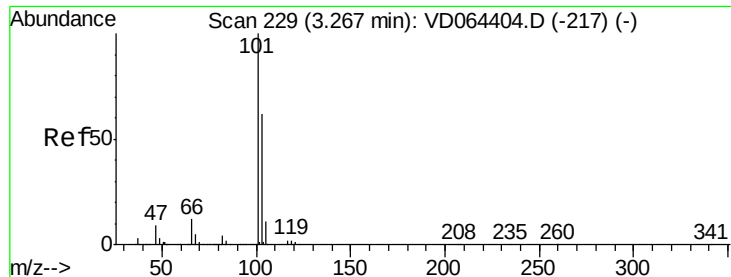
Time-->

2.80

2.90

3.00



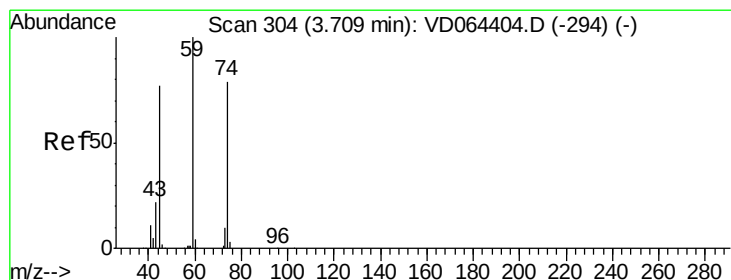
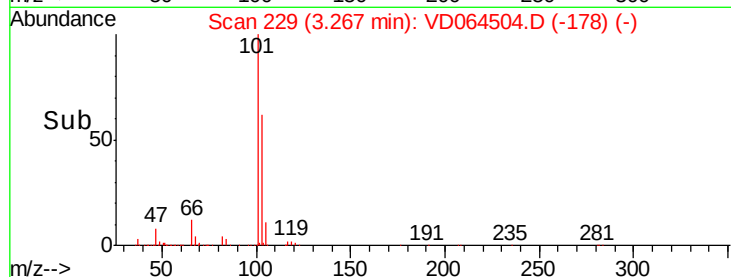
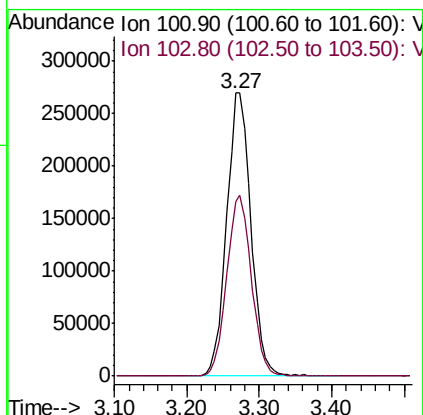
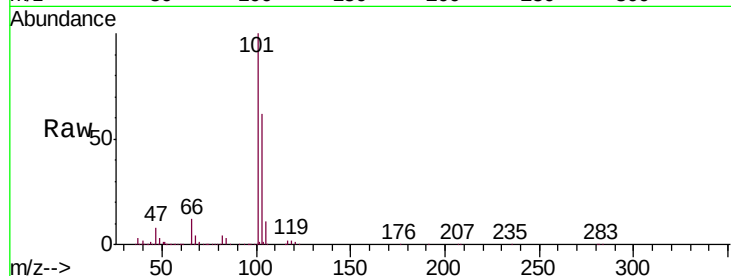


#7

Trichlorofluoromethane
Concen: 47.663 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
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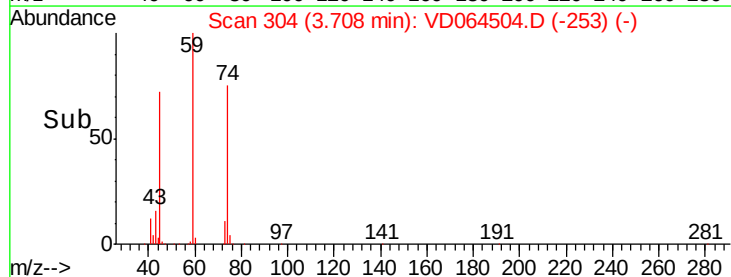
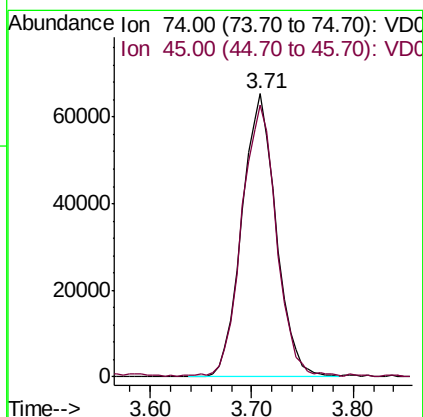
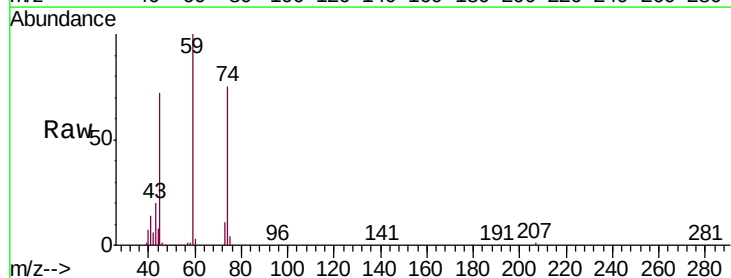
Tgt Ion: 101 Resp: 630321
Ion Ratio Lower Upper
101 100
103 61.7 49.8 74.6

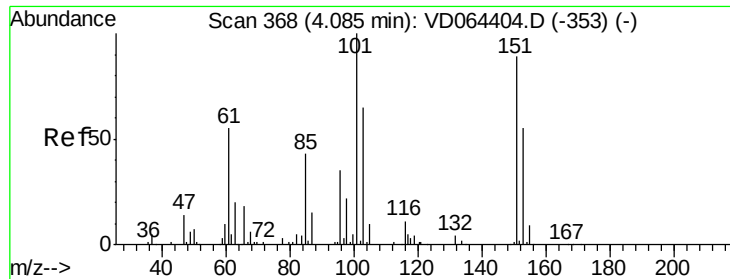


#8

Diethyl Ether
Concen: 55.566 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

Tgt Ion: 74 Resp: 152699
Ion Ratio Lower Upper
74 100
45 98.3 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.669 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064504.D

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Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

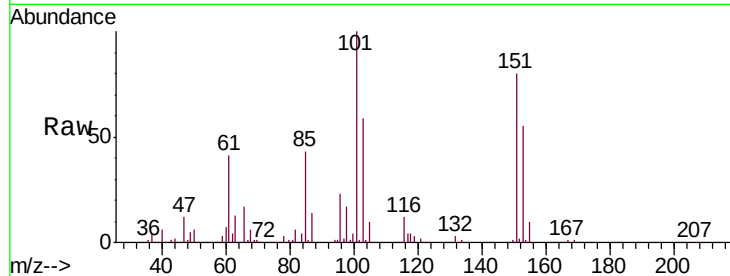
Tgt Ion:101 Resp: 304320

Ion Ratio Lower Upper

101 100

85 43.5 34.8 52.2

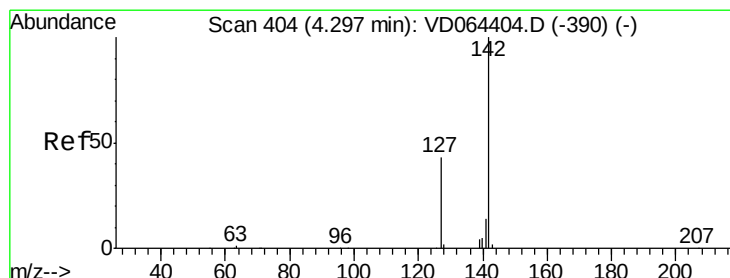
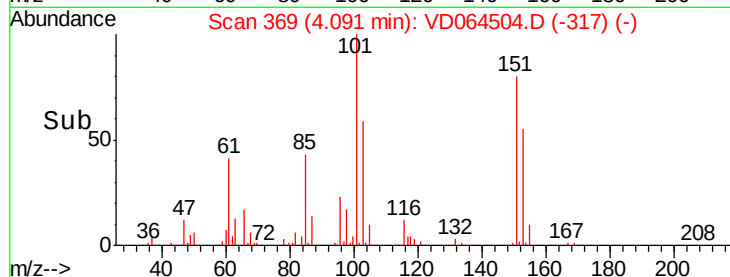
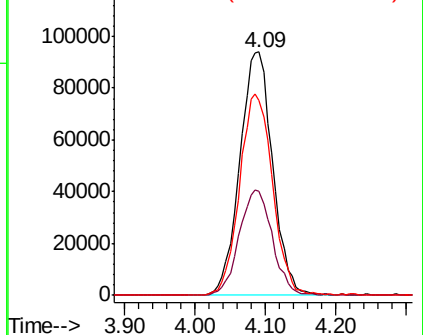
151 83.3 68.8 103.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 59.485 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

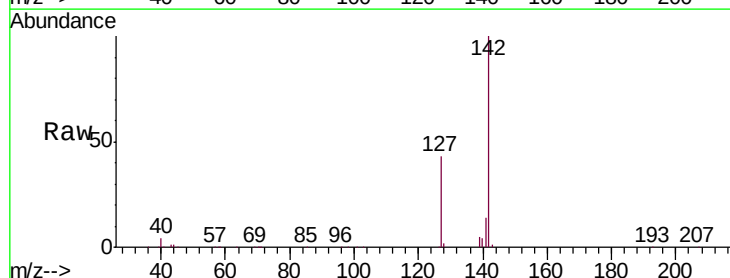
Tgt Ion:142 Resp: 356198

Ion Ratio Lower Upper

142 100

127 42.7 35.3 52.9

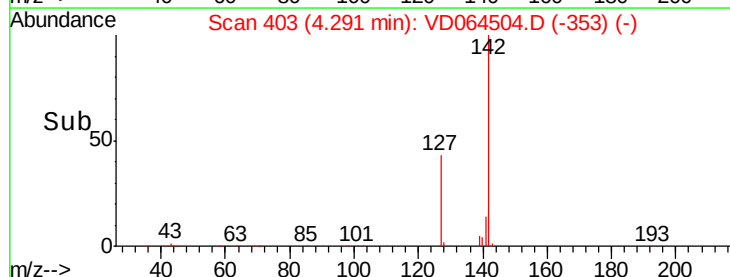
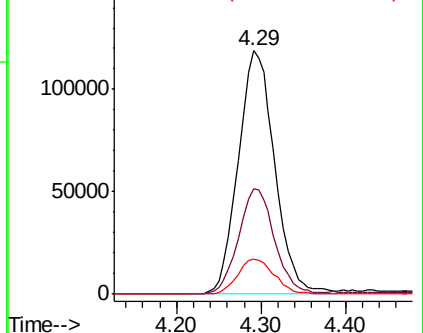
141 14.7 11.6 17.4

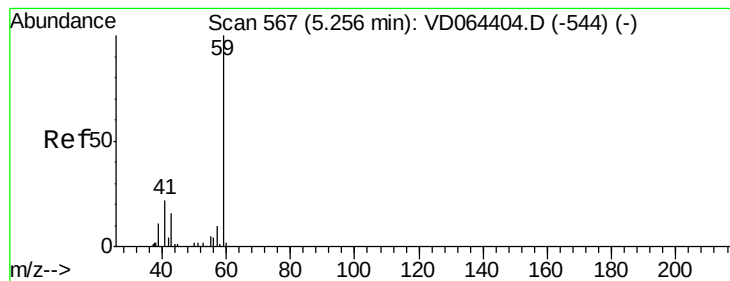


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 248.954 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.01 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

Instrument :

MSVOA_D

ClientSampleId :

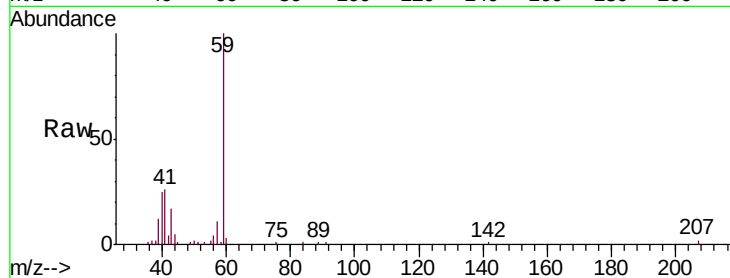
VSTDCCC050EC

Tgt Ion: 59 Resp: 86475

Ion Ratio Lower Upper

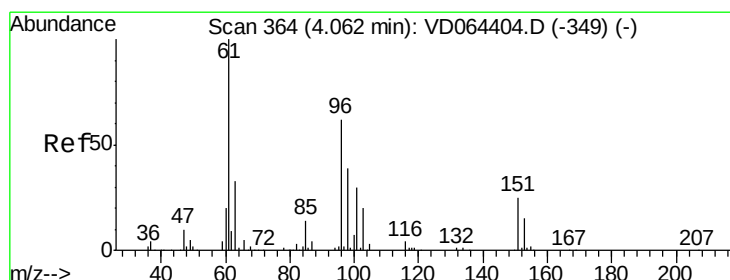
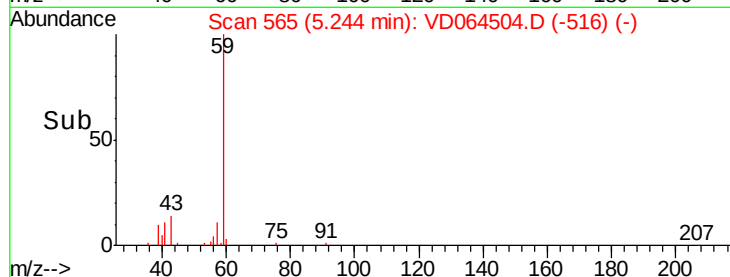
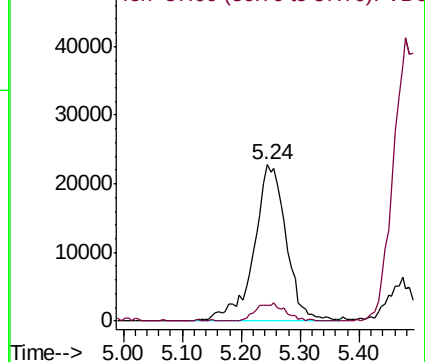
59 100

57 10.6 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 53.279 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

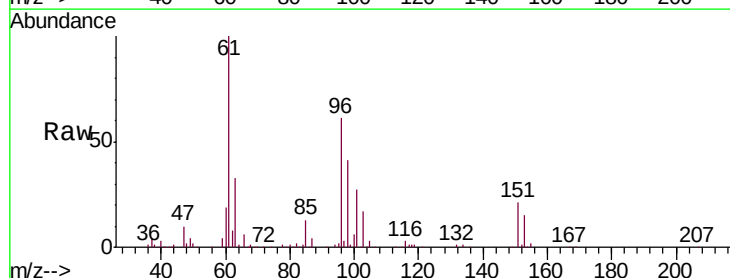
Tgt Ion: 96 Resp: 289516

Ion Ratio Lower Upper

96 100

61 162.8 128.2 192.4

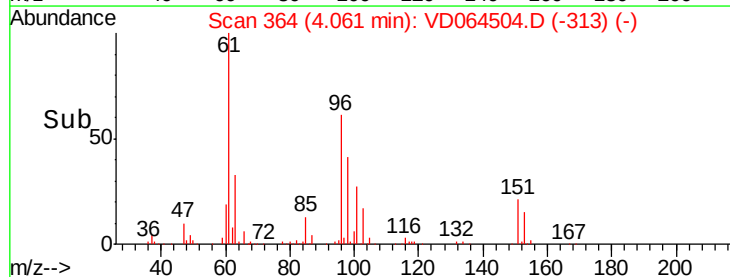
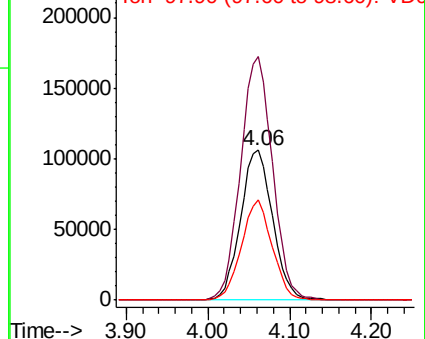
98 66.7 50.4 75.6

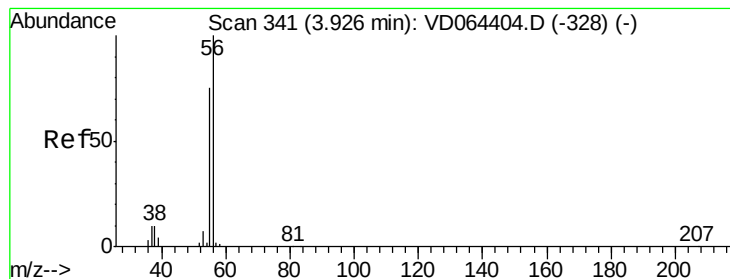


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 269.106 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

Instrument :

MSVOA_D

ClientSampleId :

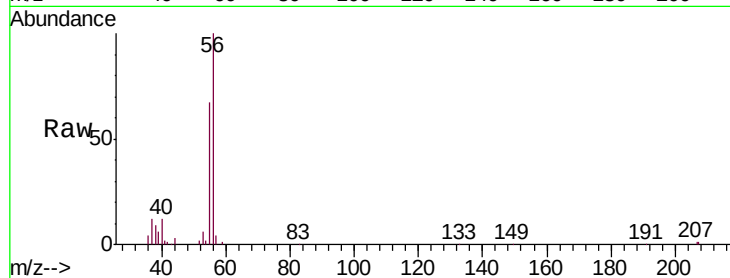
VSTDCCC050EC

Tgt Ion: 56 Resp: 127498

Ion Ratio Lower Upper

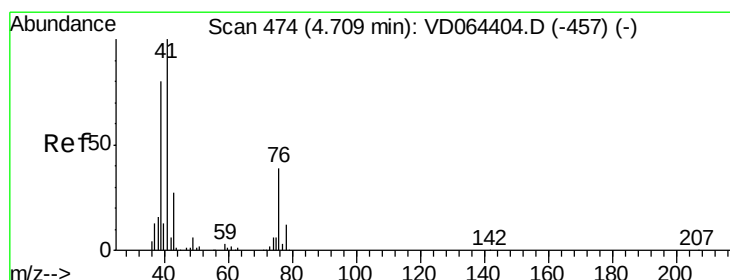
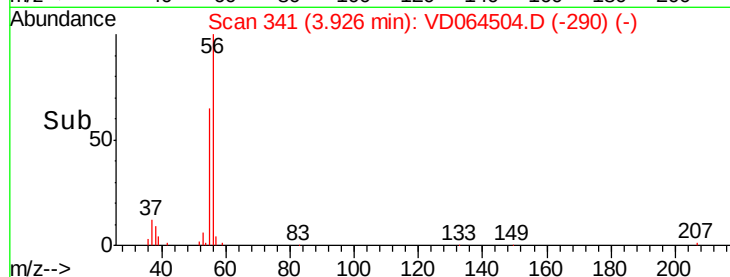
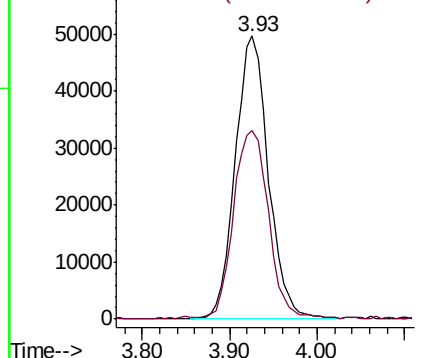
56 100

55 69.1 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 55.643 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

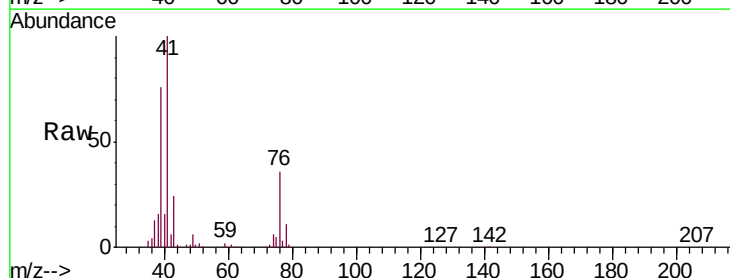
Tgt Ion: 41 Resp: 471868

Ion Ratio Lower Upper

41 100

39 75.9 62.1 93.1

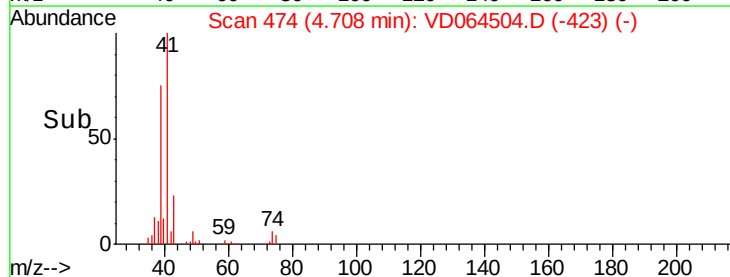
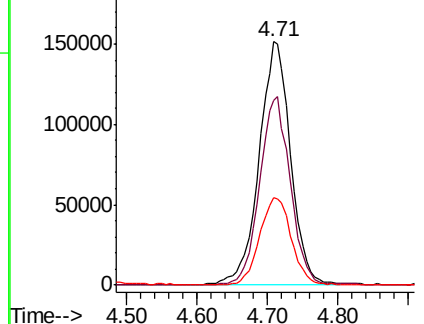
76 35.6 29.8 44.8

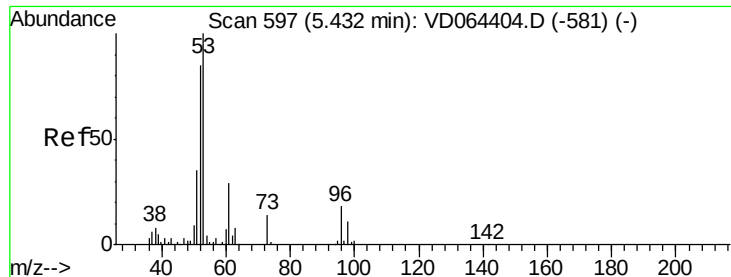


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 250.067 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

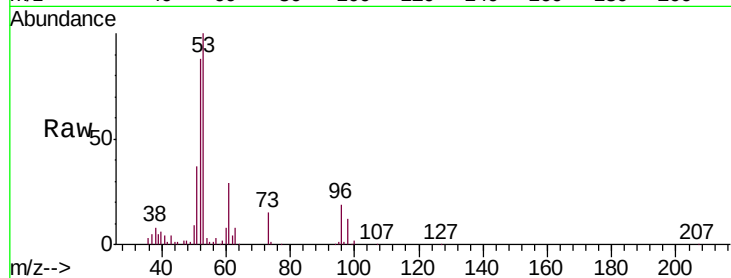
Tgt Ion: 53 Resp: 300506

Ion Ratio Lower Upper

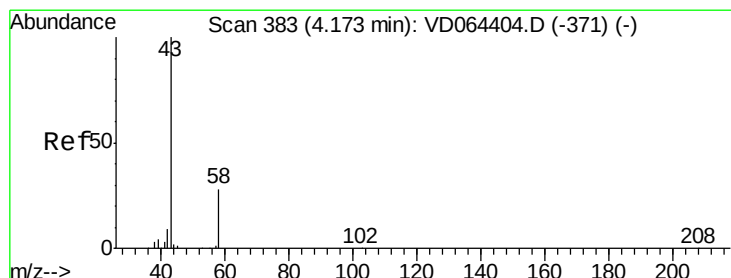
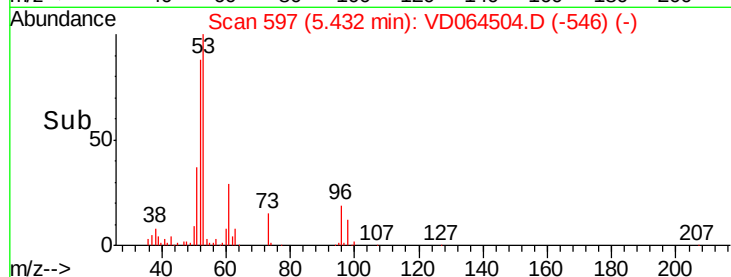
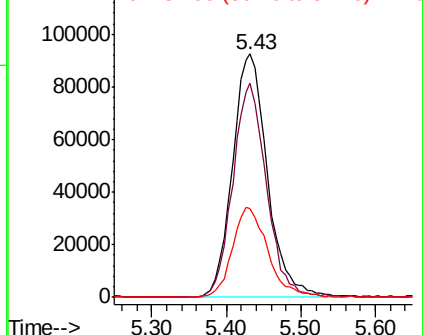
53 100

52 84.8 67.9 101.9

51 37.7 30.6 45.8



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 244.608 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064504.D

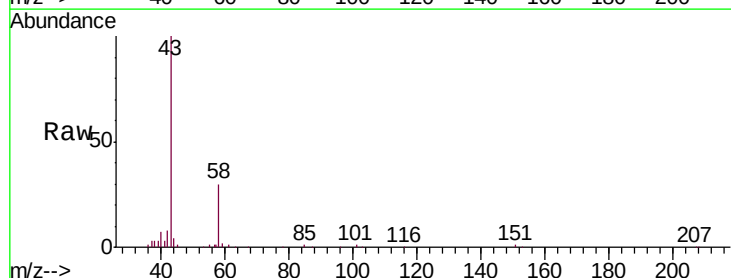
Acq: 11 Dec 2019 17:18

Tgt Ion: 43 Resp: 269732

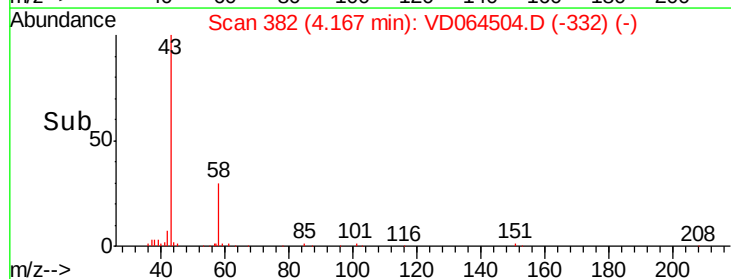
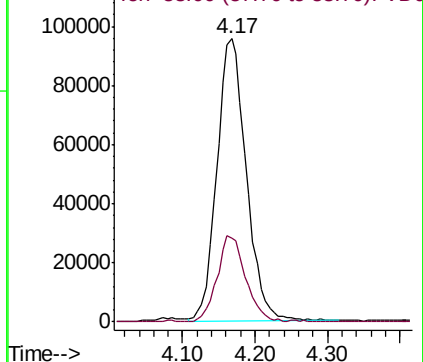
Ion Ratio Lower Upper

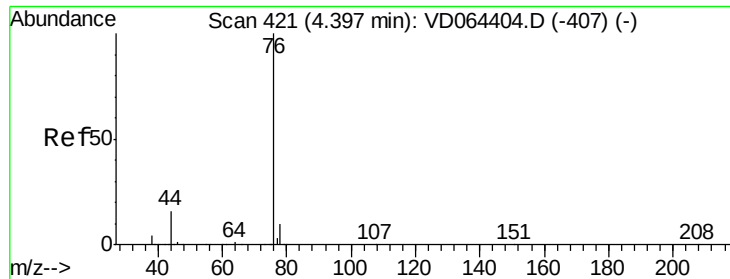
43 100

58 29.6 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

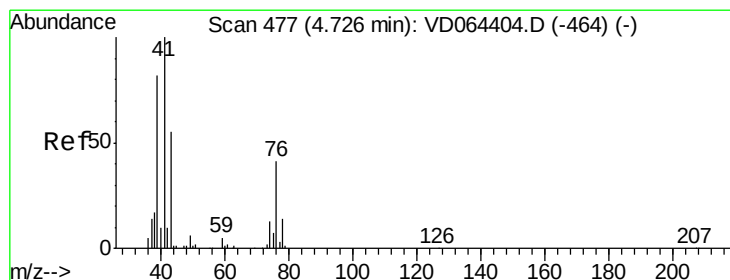
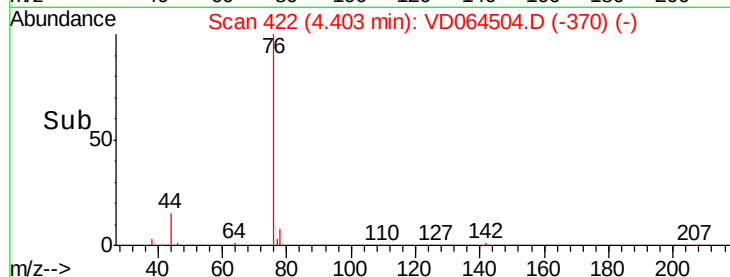
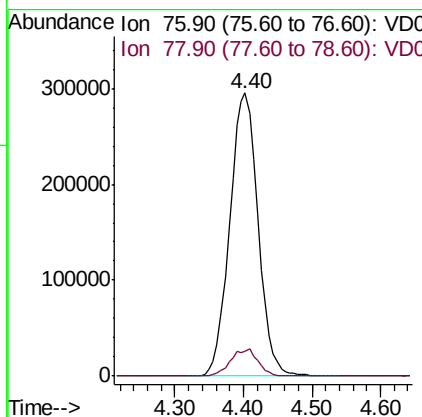
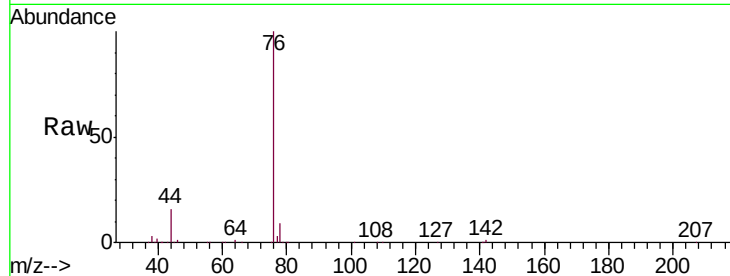




#17
Carbon Disulfide
Concen: 49.058 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

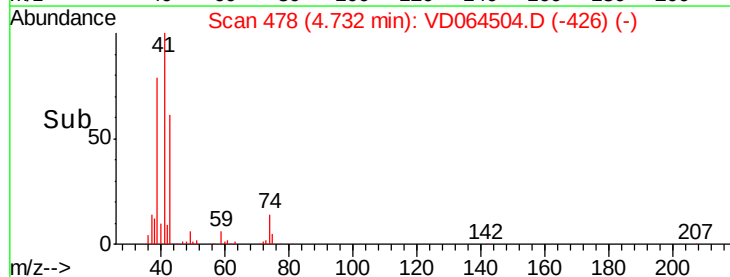
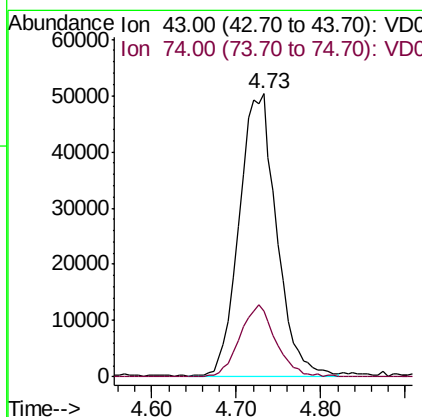
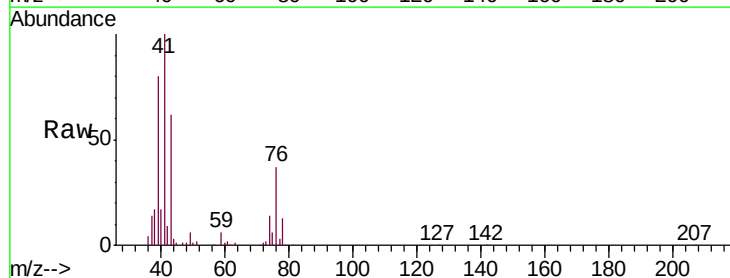
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

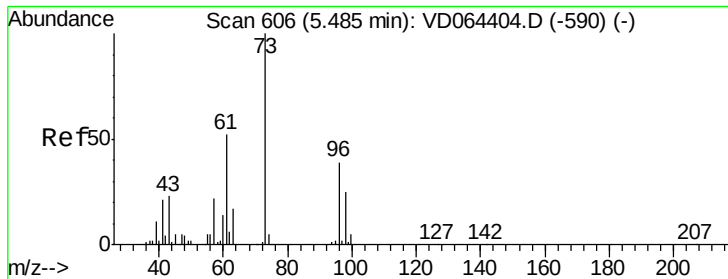
Tgt Ion: 76 Resp: 844287
Ion Ratio Lower Upper
76 100
78 8.9 7.8 11.8



#18
Methyl Acetate
Concen: 48.464 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

Tgt Ion: 43 Resp: 155887
Ion Ratio Lower Upper
43 100
74 24.4 19.7 29.5



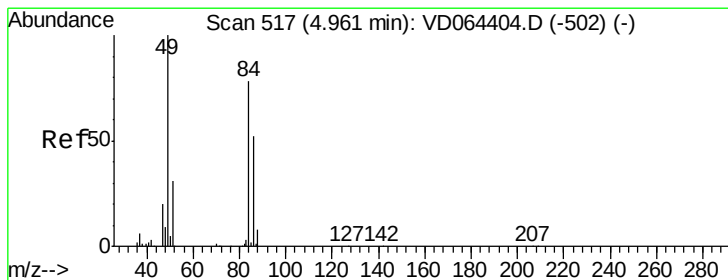
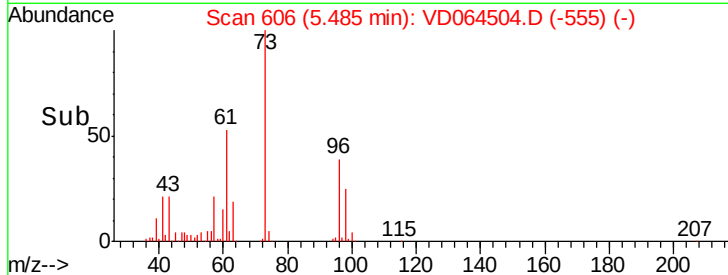
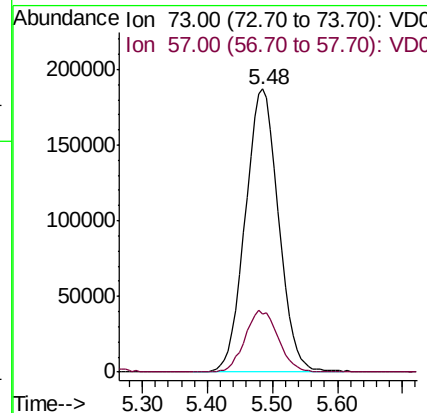
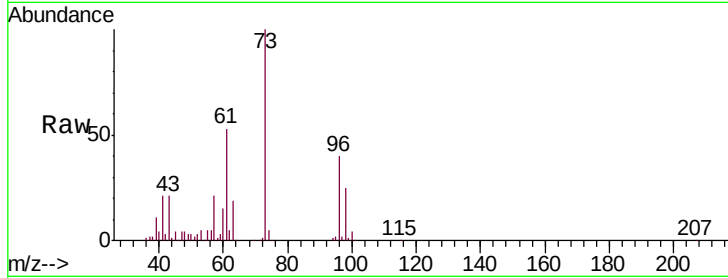


#19

Methyl tert-butyl Ether
 Concen: 53.219 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD064504.D
 Acq: 11 Dec 2019 17:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

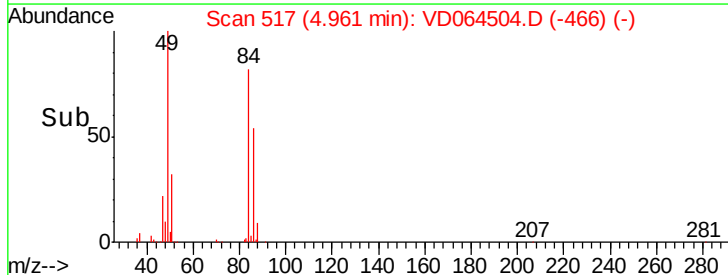
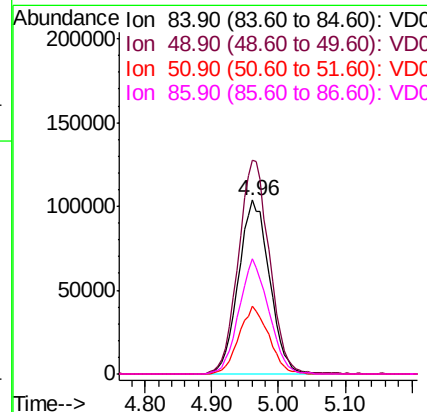
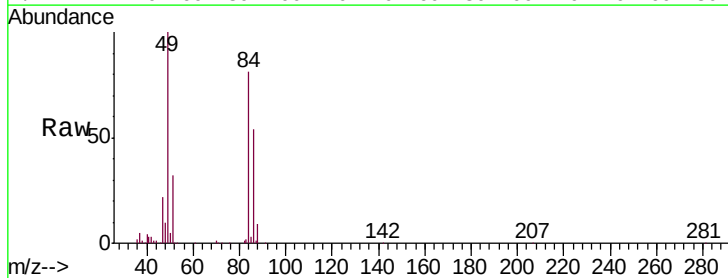
Tgt Ion: 73 Resp: 663356
 Ion Ratio Lower Upper
 73 100
 57 20.7 17.6 26.4

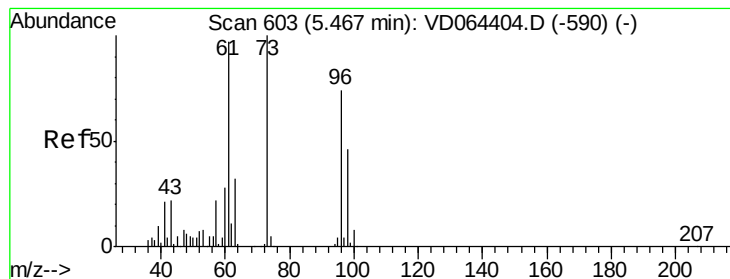


#20

Methylene Chloride
 Concen: 60.863 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064504.D
 Acq: 11 Dec 2019 17:18

Tgt Ion: 84 Resp: 335598
 Ion Ratio Lower Upper
 84 100
 49 122.7 102.6 153.8
 51 38.8 32.0 48.0
 86 65.9 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 51.425 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

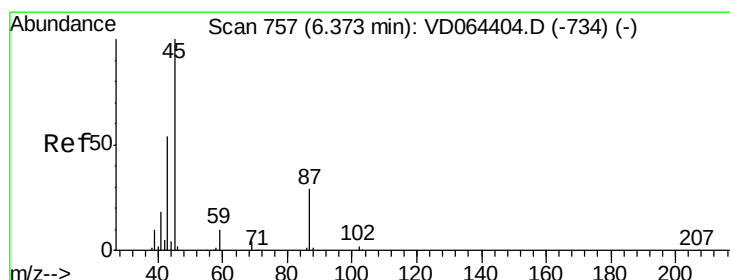
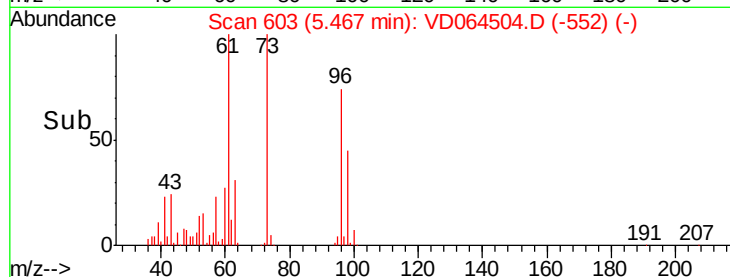
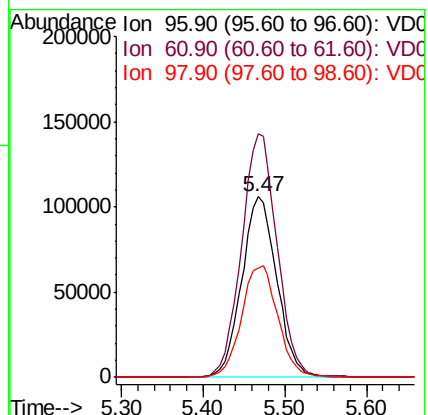
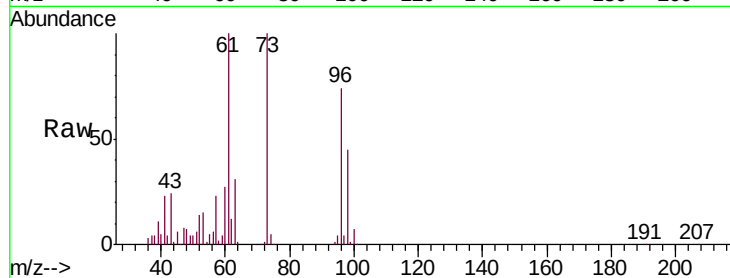
Tgt Ion: 96 Resp: 316088

Ion Ratio Lower Upper

96 100

61 134.8 105.8 158.6

98 60.7 50.1 75.1



#22

Diisopropyl ether

Concen: 55.108 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

Tgt Ion: 45 Resp: 922576

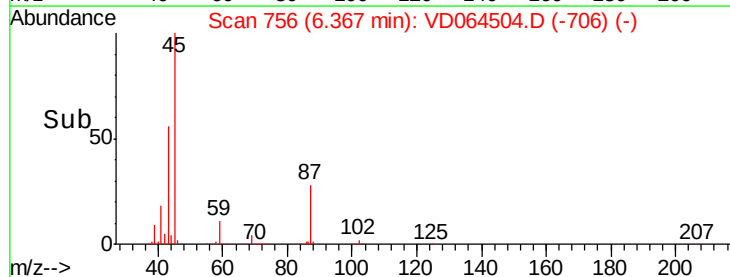
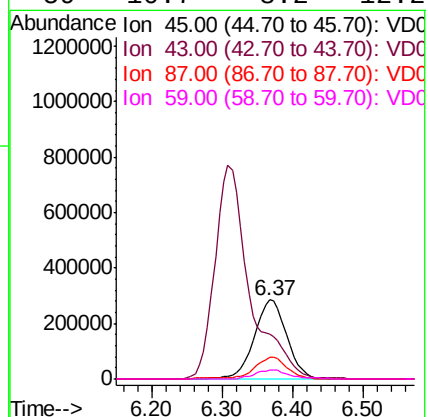
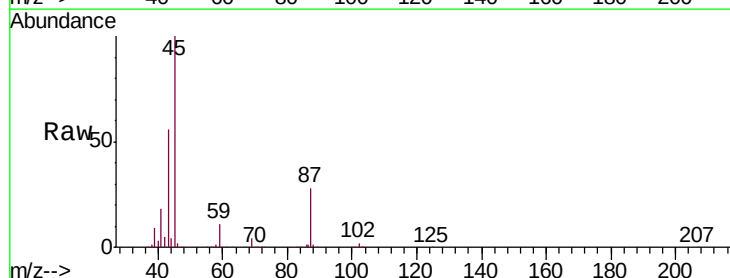
Ion Ratio Lower Upper

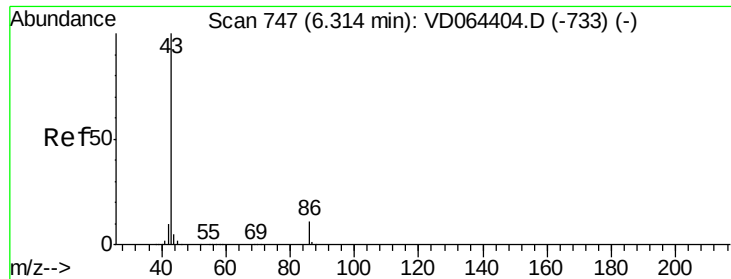
45 100

43 55.3 43.1 64.7

87 28.1 23.5 35.3

59 10.7 8.2 12.2





#23

Vinyl Acetate

Concen: 269.529 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

Instrument :

MSVOA_D

ClientSampleId :

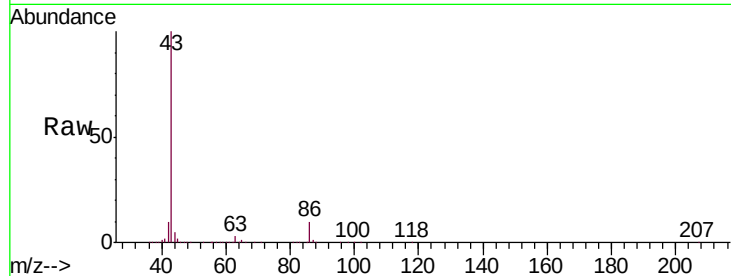
VSTDCCC050EC

Tgt Ion: 43 Resp: 2660127

Ion Ratio Lower Upper

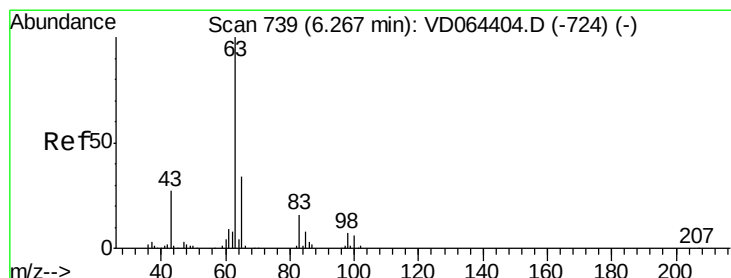
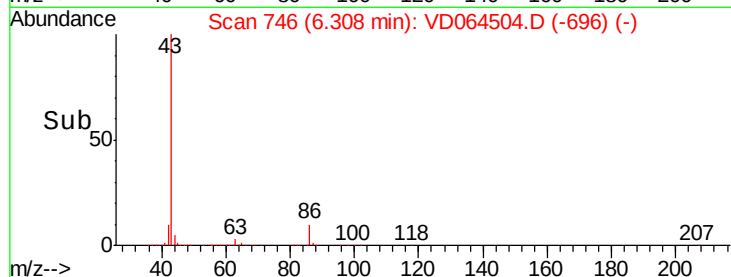
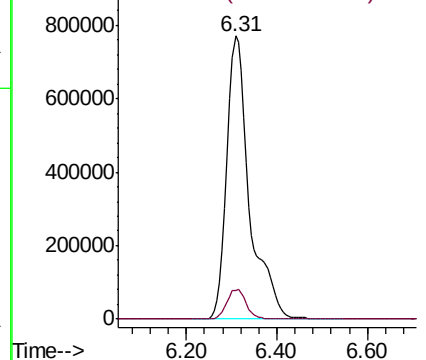
43 100

86 10.3 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.990 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

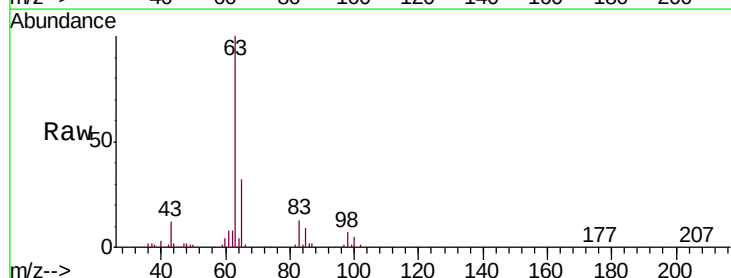
Tgt Ion: 63 Resp: 533506

Ion Ratio Lower Upper

63 100

98 6.8 3.6 10.9

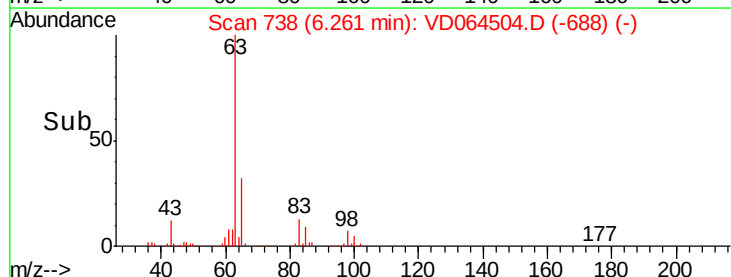
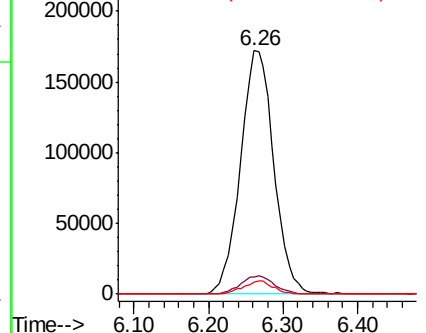
100 5.0 2.9 8.6

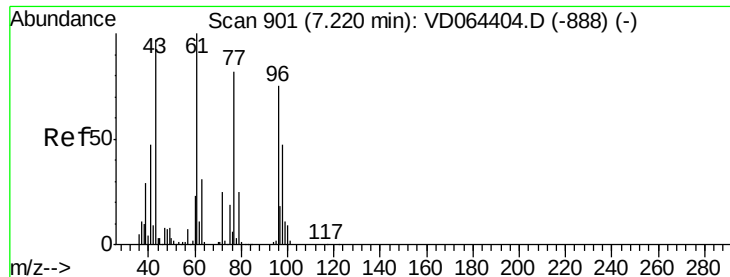


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 240.624 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

Instrument :

MSVOA_D

ClientSampleId :

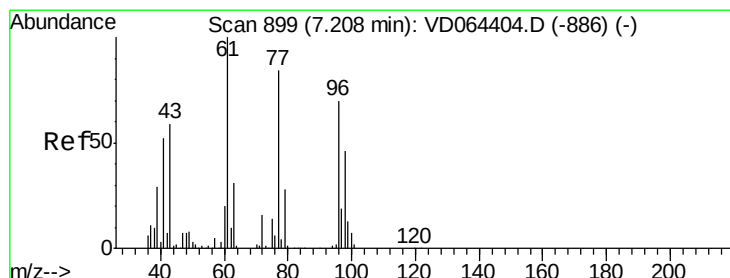
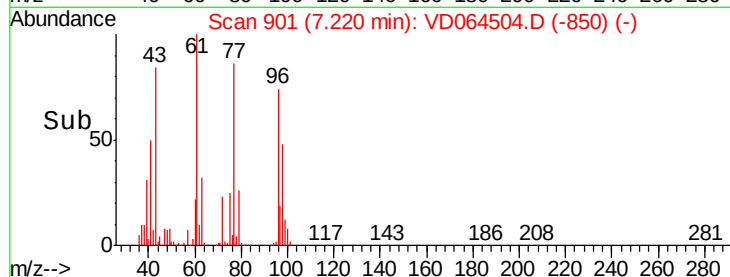
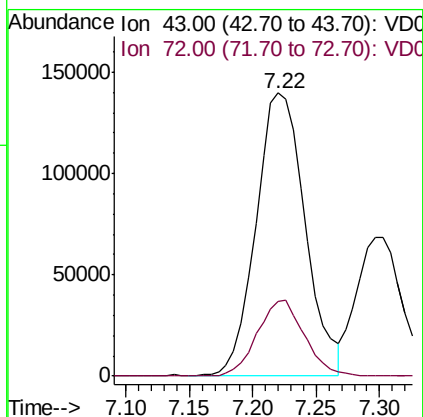
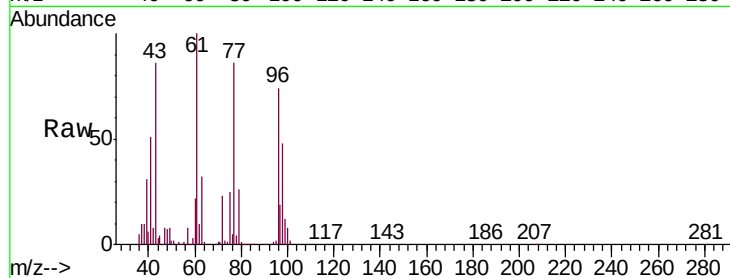
VSTDCCC050EC

Tgt Ion: 43 Resp: 375245

Ion Ratio Lower Upper

43 100

72 26.7 21.0 31.4



#26

2,2-Dichloropropane

Concen: 54.094 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD064504.D

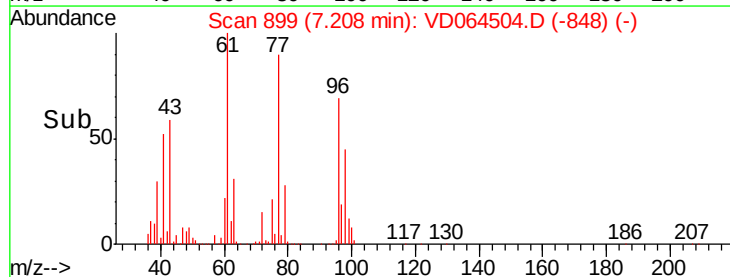
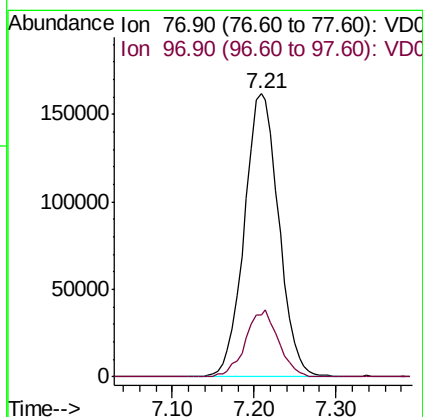
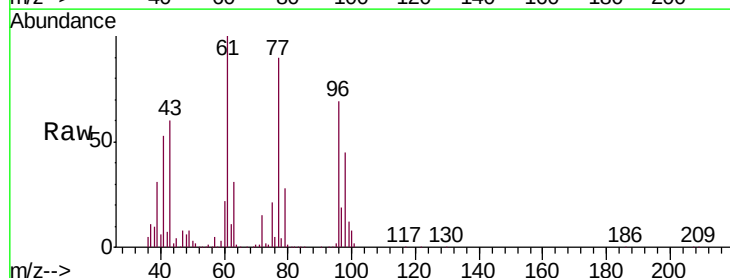
Acq: 11 Dec 2019 17:18

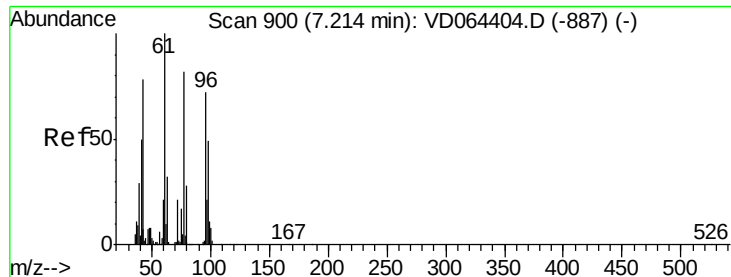
Tgt Ion: 77 Resp: 473629

Ion Ratio Lower Upper

77 100

97 22.6 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 51.630 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

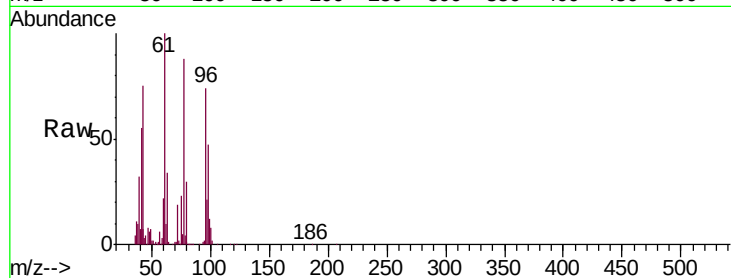
Tgt Ion: 96 Resp: 345981

Ion Ratio Lower Upper

96 100

61 141.6 0.0 279.6

98 64.7 0.0 129.2



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

250000

200000

150000

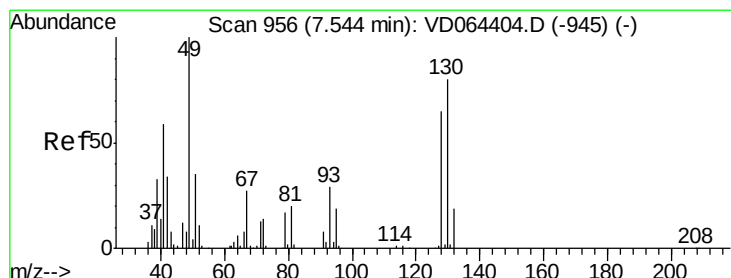
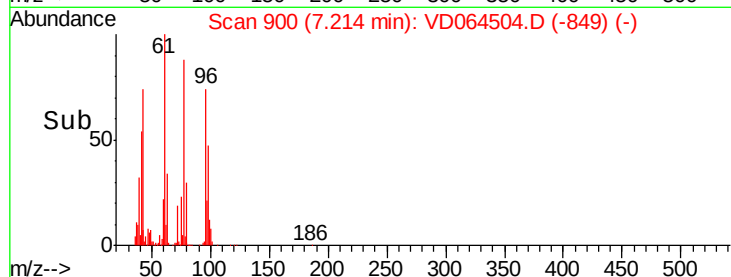
100000

50000

0

7.10 7.20 7.30

Time-->



#28

Bromochloromethane

Concen: 52.903 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.00 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

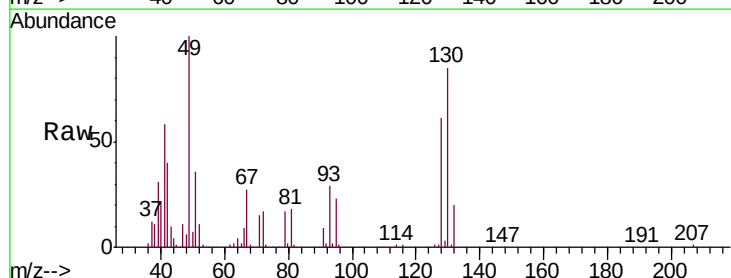
Tgt Ion: 49 Resp: 182026

Ion Ratio Lower Upper

49 100

129 2.9 0.0 4.4

130 85.0 67.4 101.0



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

80000

60000

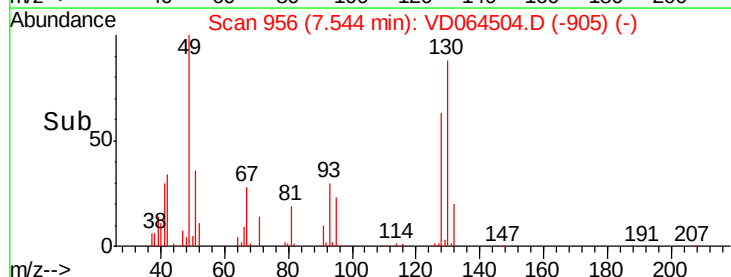
40000

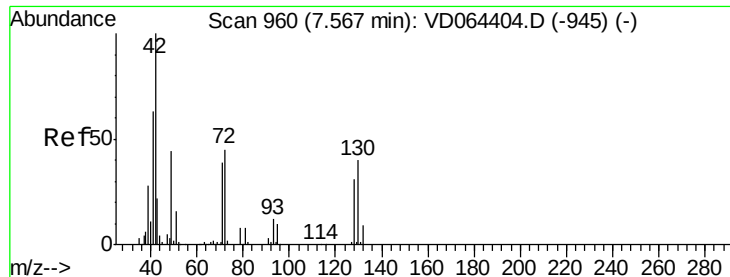
20000

0

7.40 7.50 7.60

Time-->

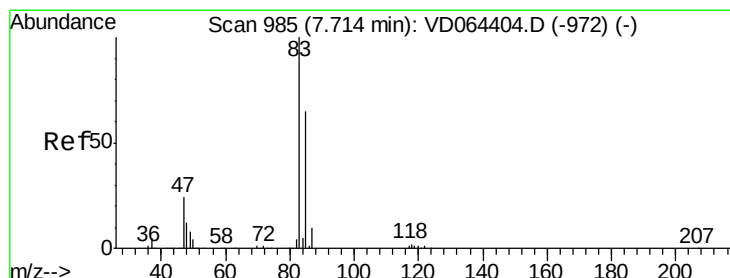
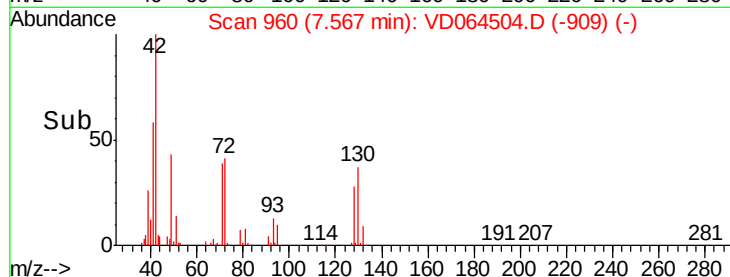
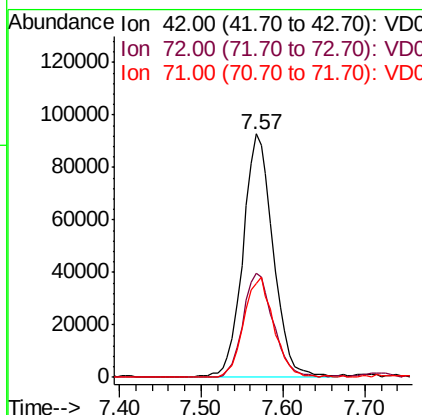
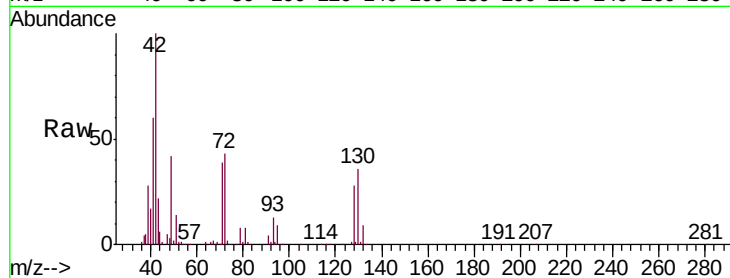




#29
Tetrahydrofuran
Concen: 240.356 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.00 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

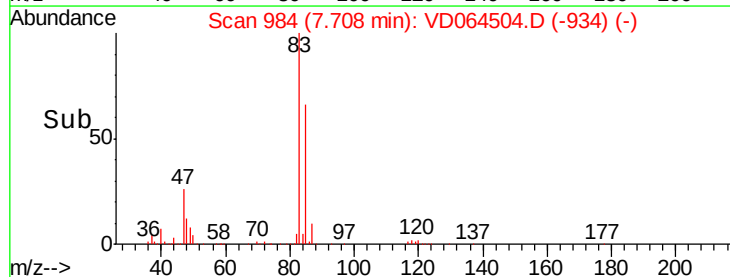
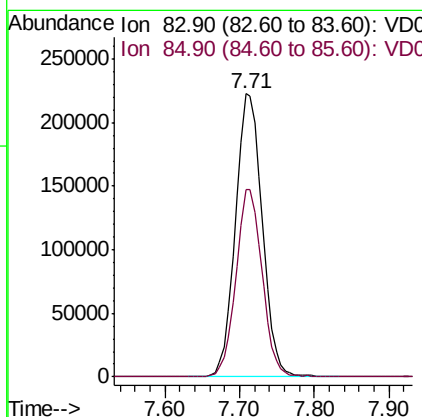
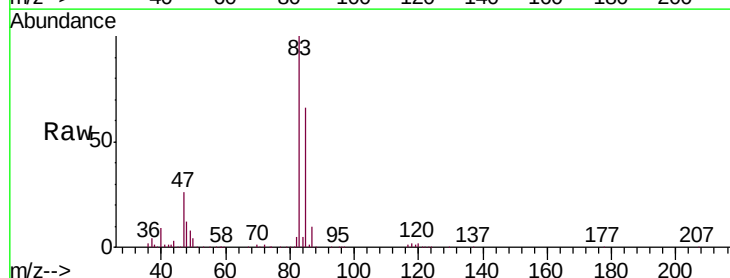
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

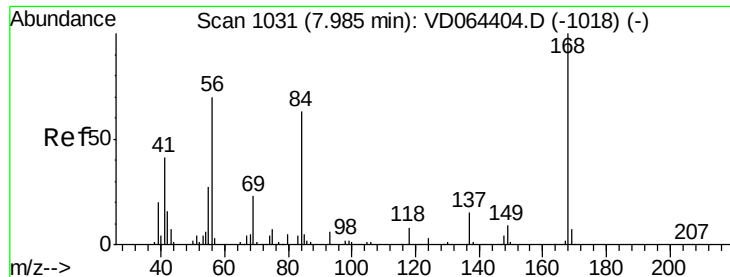
Tgt Ion: 42 Resp: 238473
Ion Ratio Lower Upper
42 100
72 43.0 35.8 53.8
71 40.8 32.7 49.1



#30
Chloroform
Concen: 53.298 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

Tgt Ion: 83 Resp: 555732
Ion Ratio Lower Upper
83 100
85 66.4 51.8 77.6

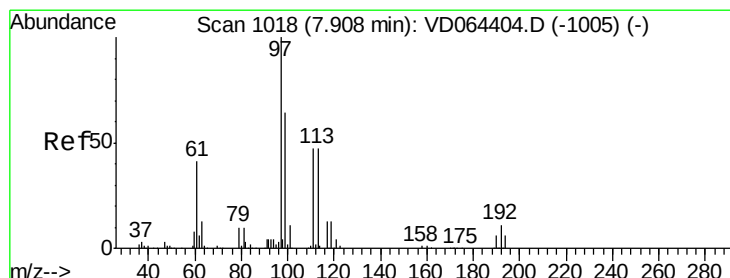
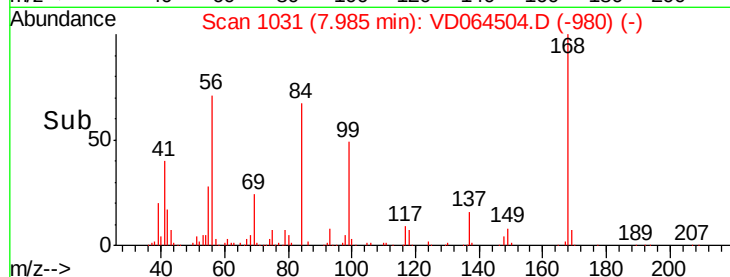
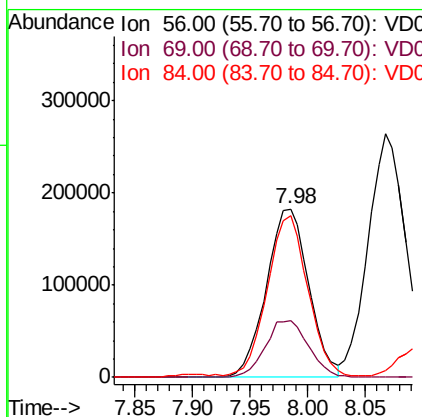
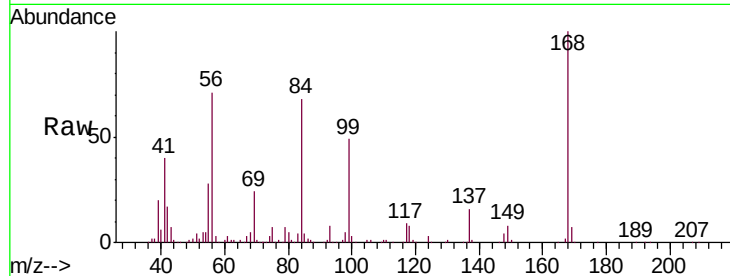




#31
Cyclohexane
Concen: 53.529 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

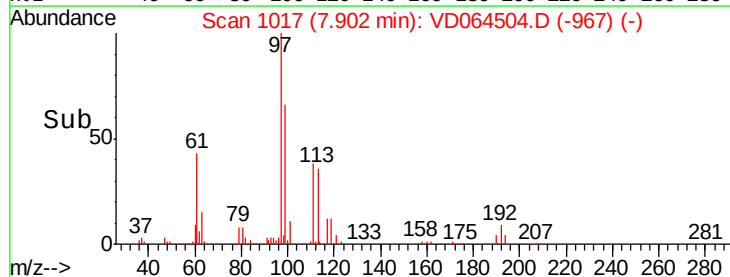
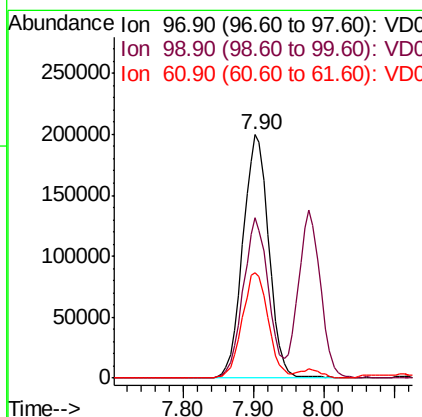
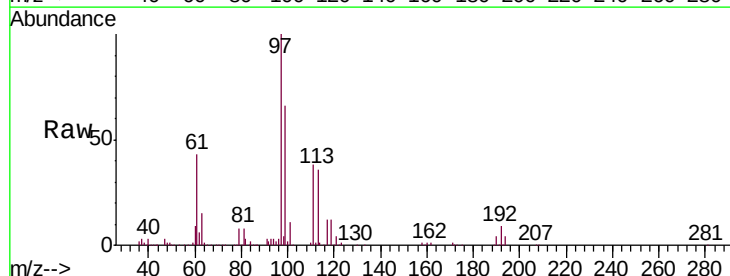
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

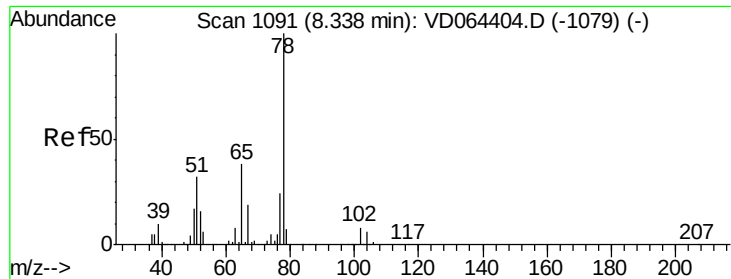
Tgt Ion: 56 Resp: 467669
Ion Ratio Lower Upper
56 100
69 33.2 26.2 39.4
84 94.2 70.3 105.5



#32
1,1,1-Trichloroethane
Concen: 52.744 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

Tgt Ion: 97 Resp: 509868
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.2
61 43.7 35.0 52.4

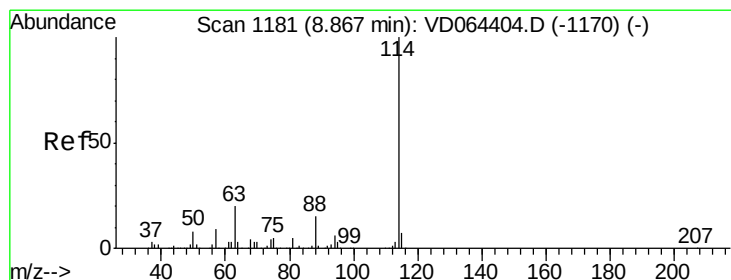
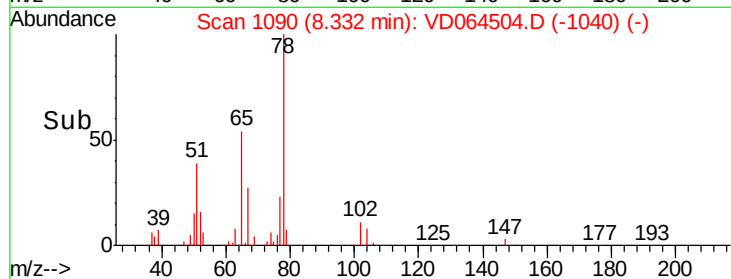
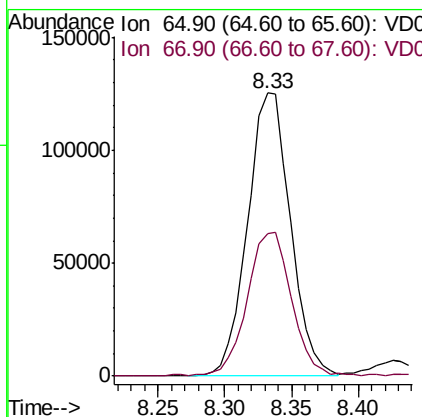
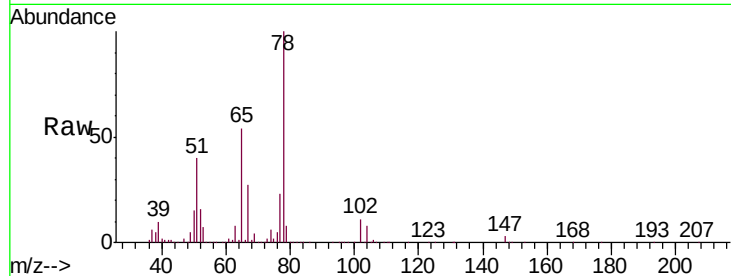




#33
 1,2-Dichloroethane-d4
 Concen: 51.067 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064504.D
 Acq: 11 Dec 2019 17:18

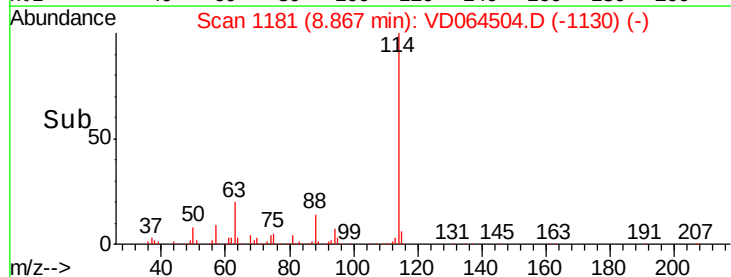
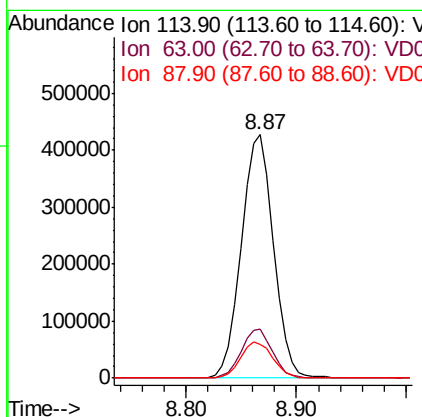
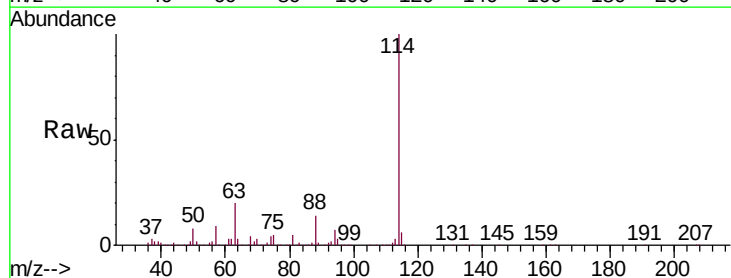
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

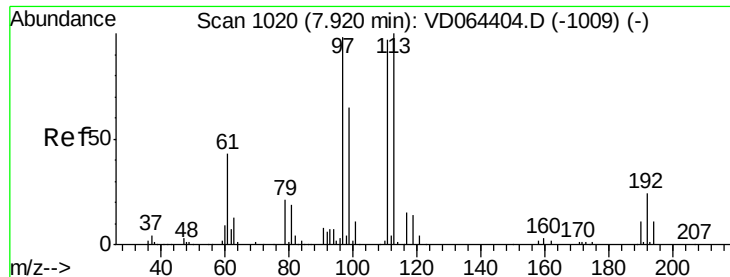
Tgt Ion: 65 Resp: 278662
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064504.D
 Acq: 11 Dec 2019 17:18

Tgt Ion: 114 Resp: 874826
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 14.0 0.0 29.2





#35

Dibromofluoromethane

Concen: 50.846 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

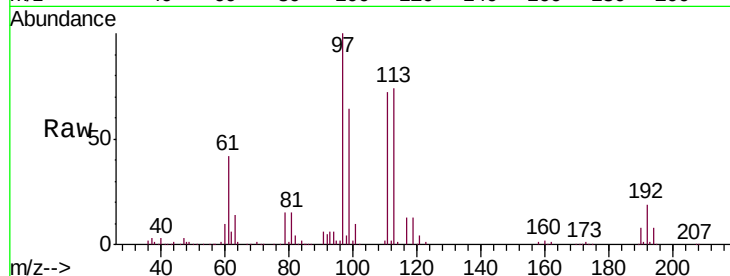
Tgt Ion:113 Resp: 280255

Ion Ratio Lower Upper

113 100

111 102.3 79.4 119.2

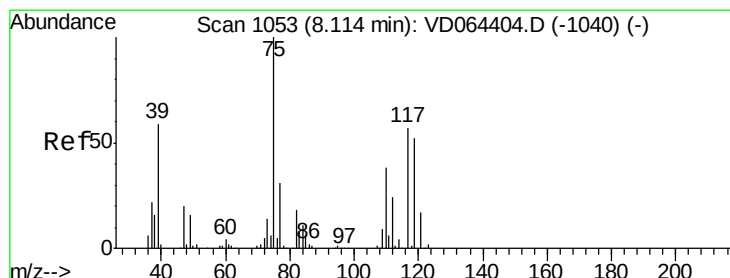
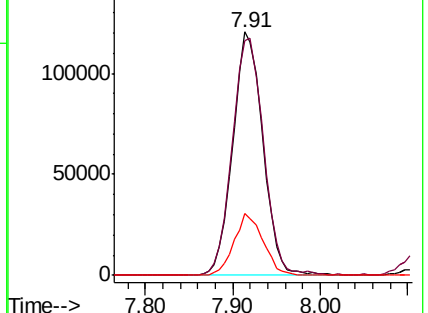
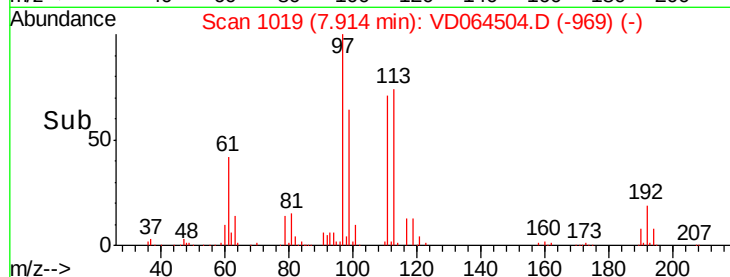
192 24.4 18.6 28.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.524 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

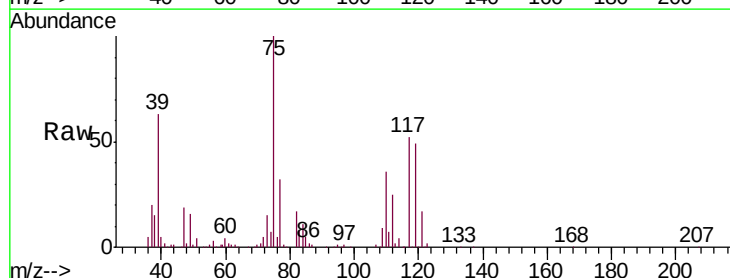
Tgt Ion: 75 Resp: 418070

Ion Ratio Lower Upper

75 100

110 37.0 18.6 55.8

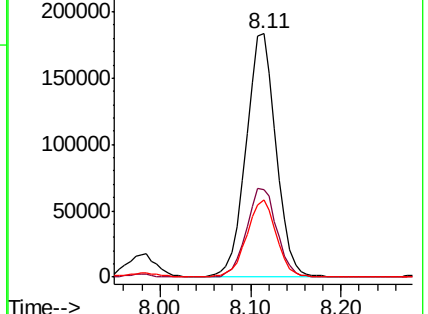
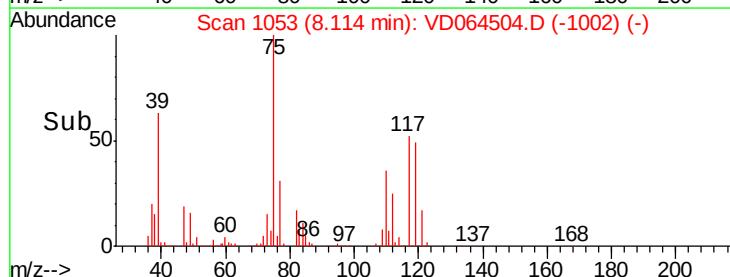
77 31.7 25.0 37.4

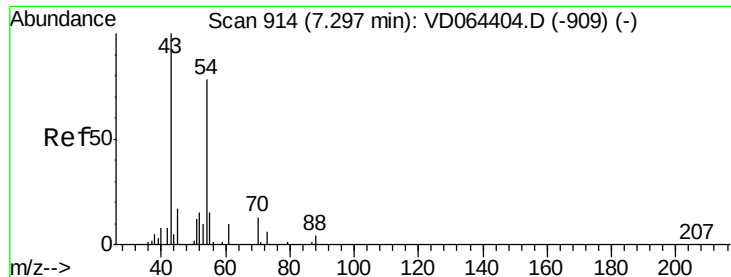


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

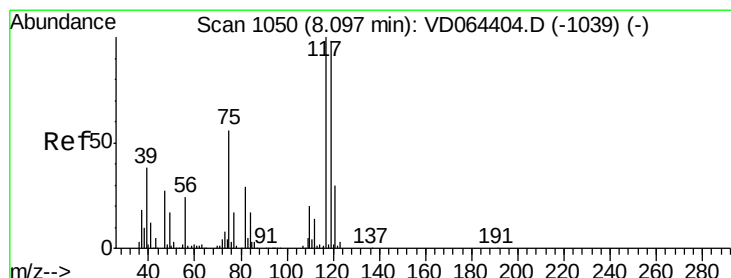
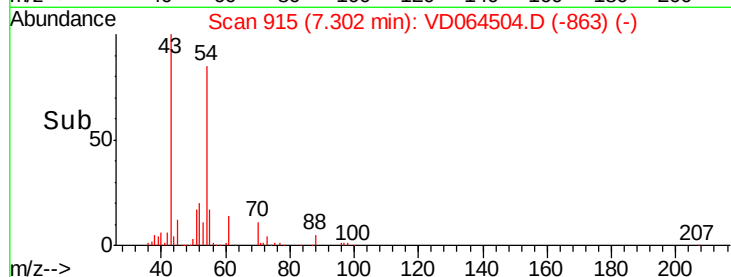
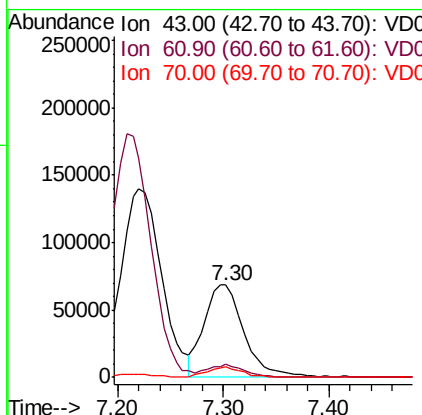
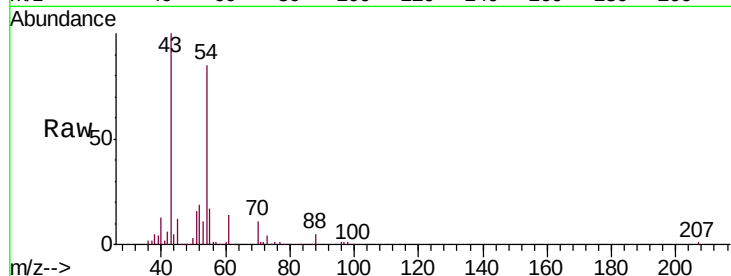




#37
Ethyl Acetate
Concen: 50.413 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

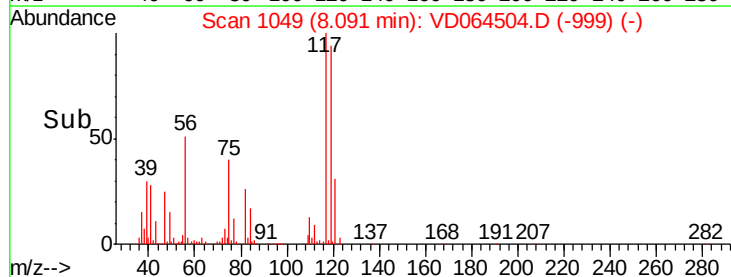
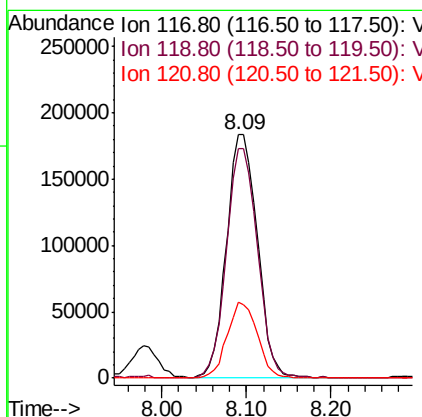
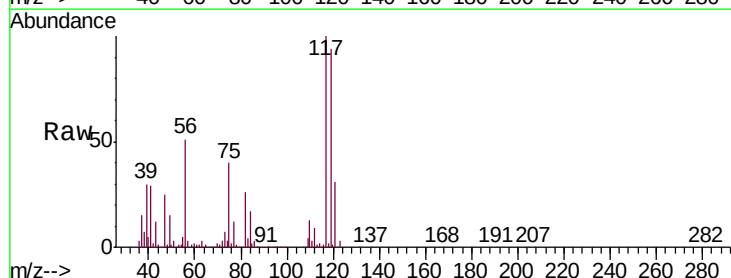
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

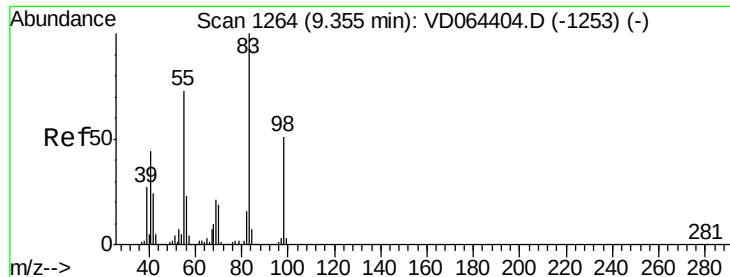
Tgt Ion: 43 Resp: 177003
Ion Ratio Lower Upper
43 100
61 12.8 10.9 16.3
70 10.2 8.3 12.5



#38
Carbon Tetrachloride
Concen: 52.947 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

Tgt Ion: 117 Resp: 462403
Ion Ratio Lower Upper
117 100
119 94.4 78.8 118.2
121 31.1 24.2 36.2

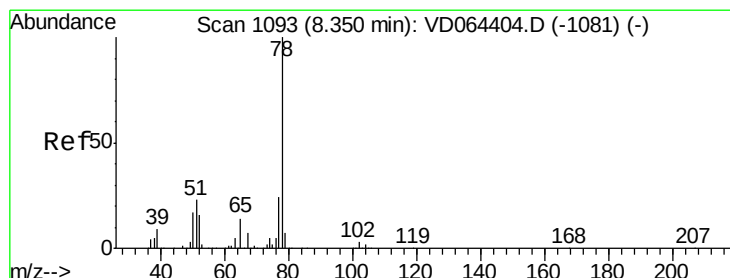
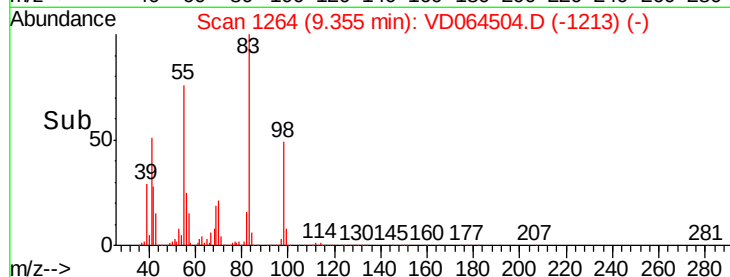
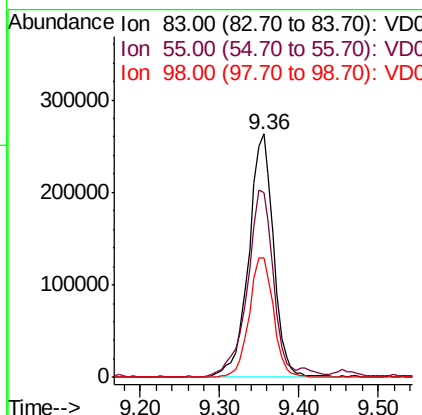
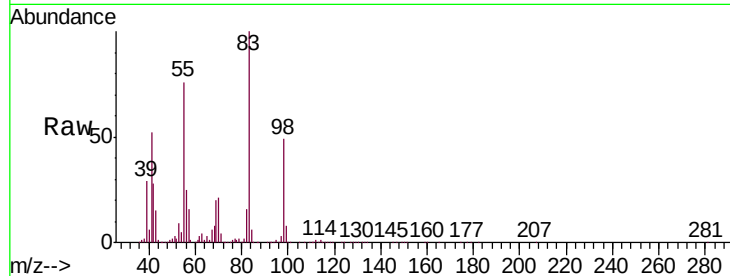




#39
Methylcyclohexane
Concen: 55.730 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

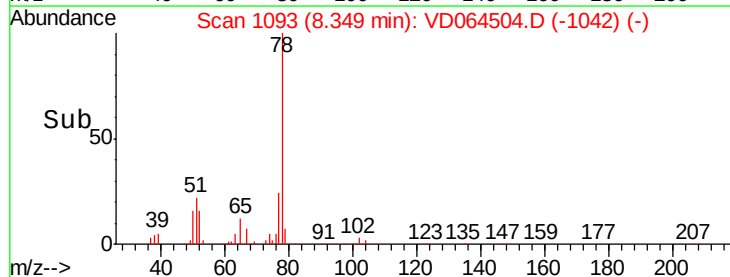
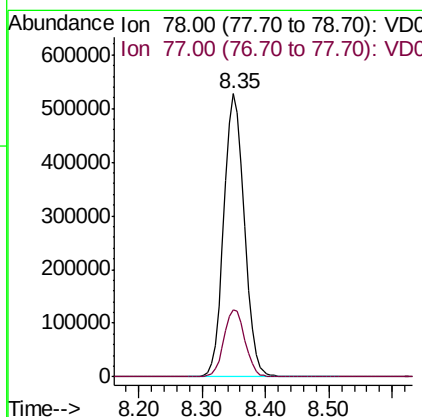
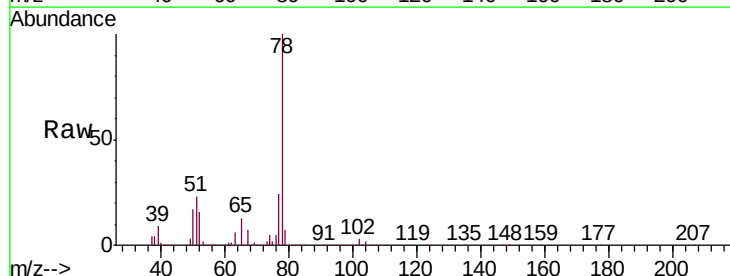
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

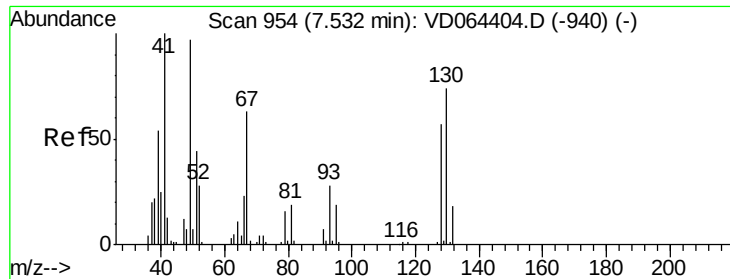
Tgt Ion: 83 Resp: 572032
Ion Ratio Lower Upper
83 100
55 75.5 58.6 87.8
98 49.1 40.9 61.3



#40
Benzene
Concen: 51.423 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

Tgt Ion: 78 Resp: 1181807
Ion Ratio Lower Upper
78 100
77 23.7 19.6 29.4

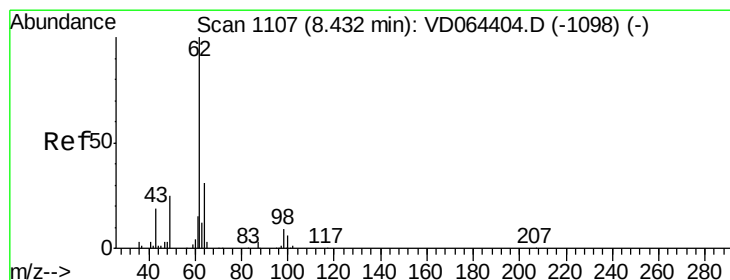
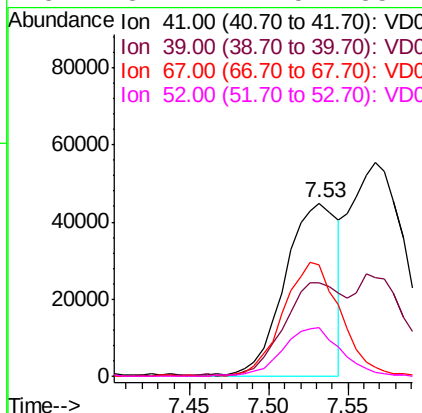
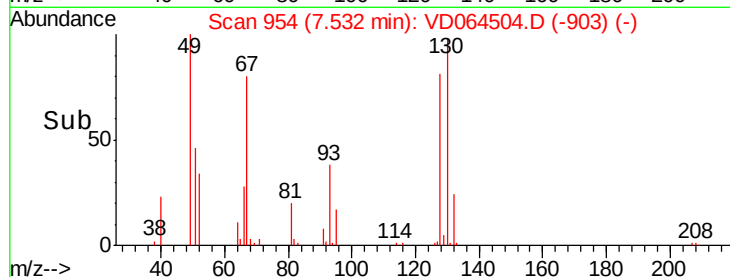
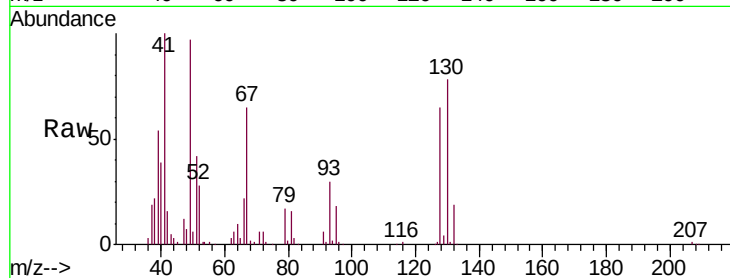




#41
Methacrylonitrile
Concen: 51.347 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

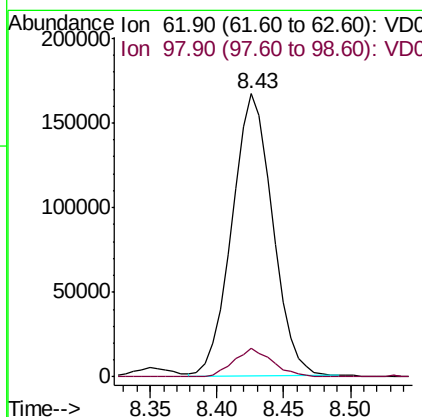
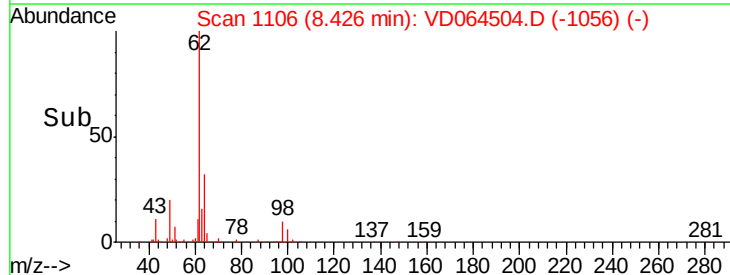
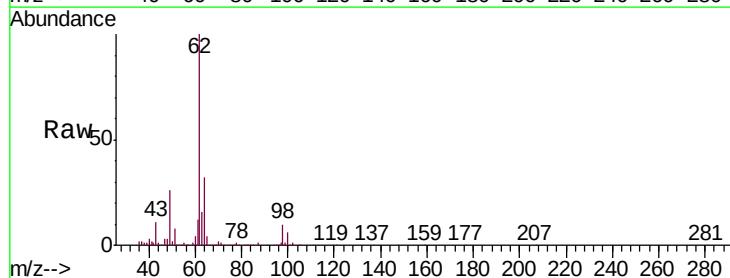
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

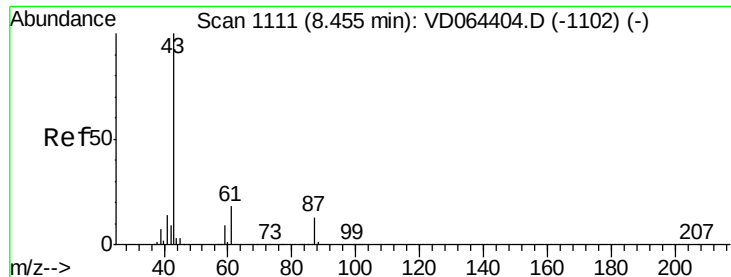
Tgt Ion: 41 Resp: 103390
Ion Ratio Lower Upper
41 100
39 61.9 44.6 67.0
67 72.6 50.9 76.3
52 31.2 22.5 33.7



#42
1,2-Dichloroethane
Concen: 52.568 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

Tgt Ion: 62 Resp: 352324
Ion Ratio Lower Upper
62 100
98 9.9 0.0 20.6





#43

Isopropyl Acetate

Concen: 53.286 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

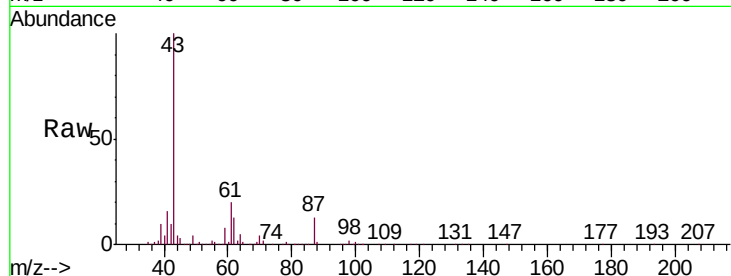
Tgt Ion: 43 Resp: 367862

Ion Ratio Lower Upper

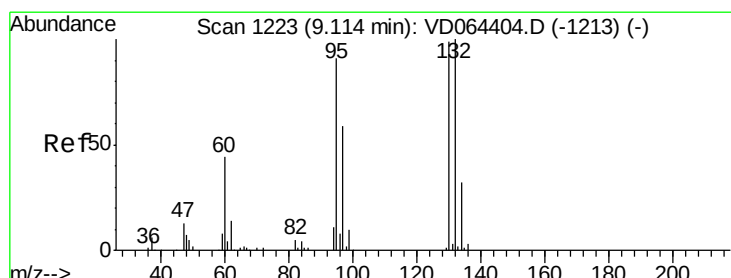
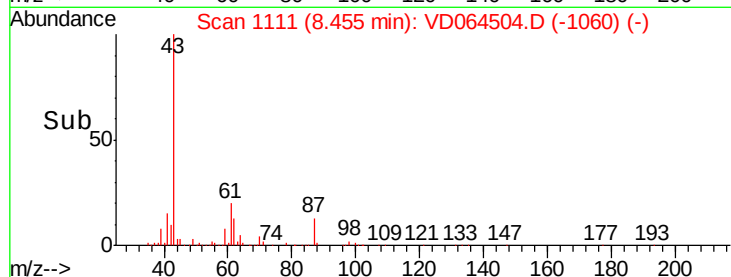
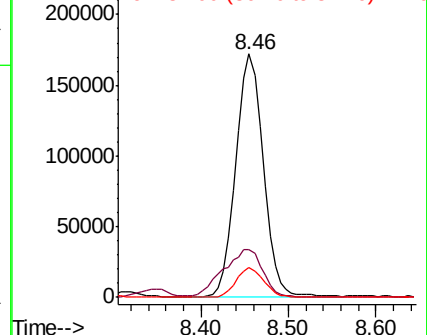
43 100

61 28.5 24.0 36.0

87 12.1 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.259 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD064504.D

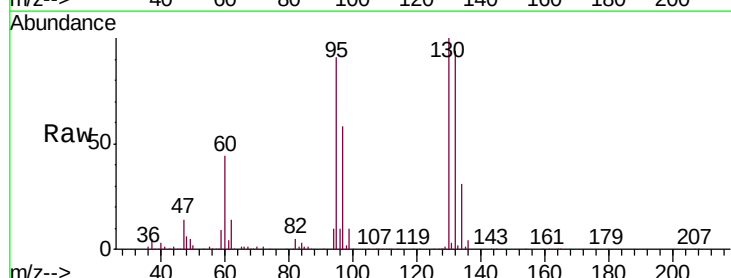
Acq: 11 Dec 2019 17:18

Tgt Ion: 130 Resp: 354856

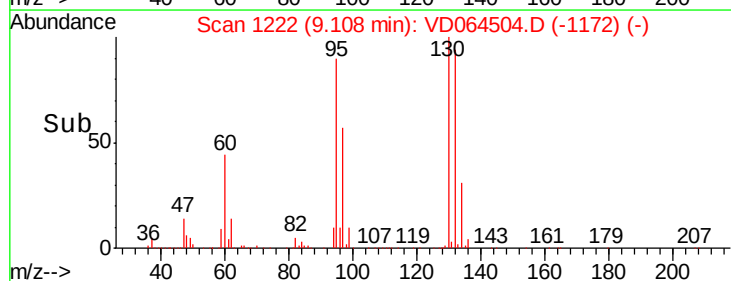
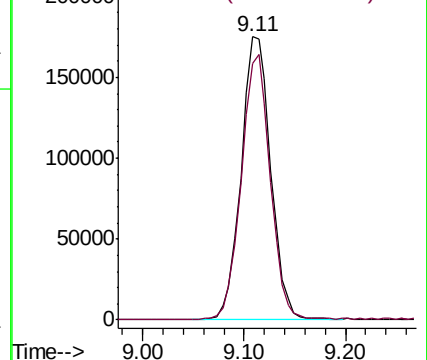
Ion Ratio Lower Upper

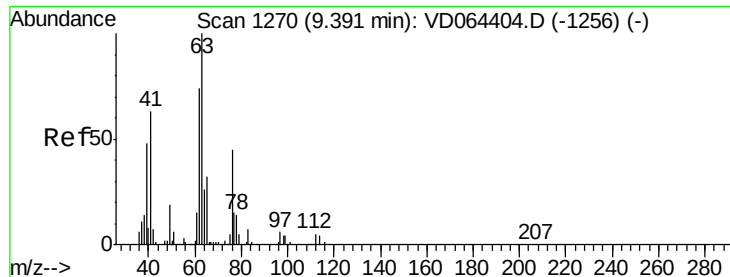
130 100

95 90.4 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC

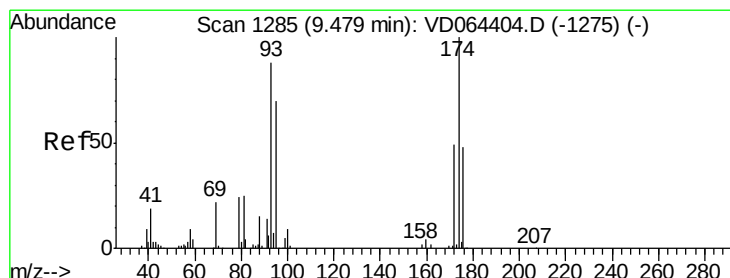
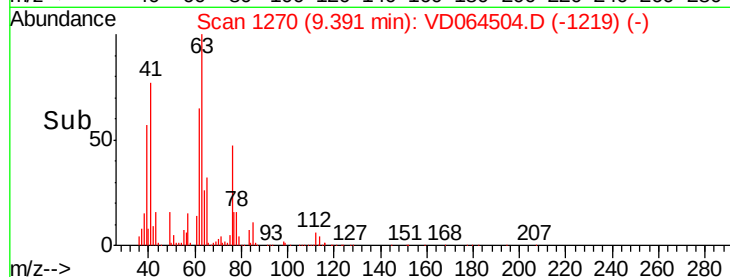
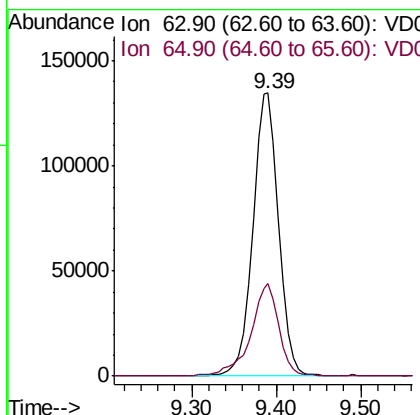
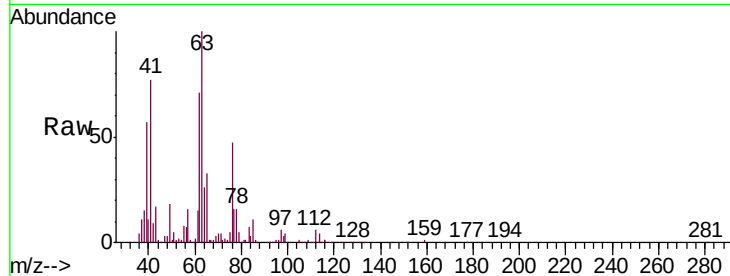




#45
 1,2-Dichloropropane
 Concen: 52.216 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064504.D
 Acq: 11 Dec 2019 17:18

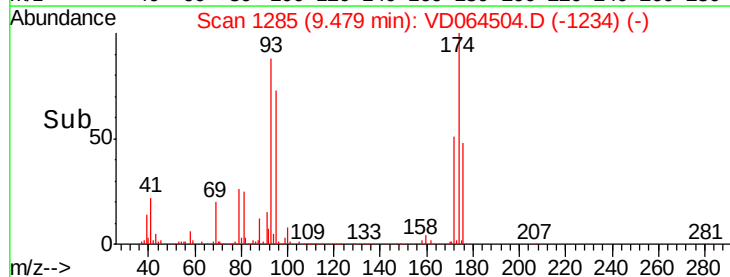
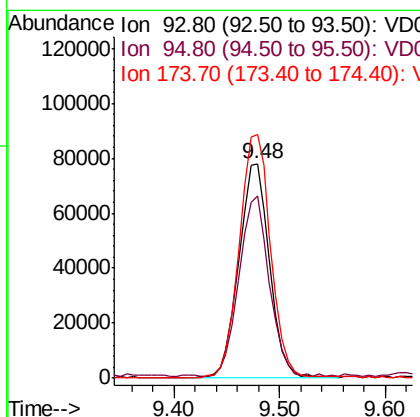
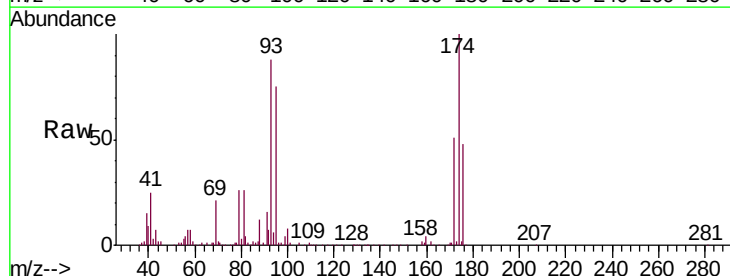
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

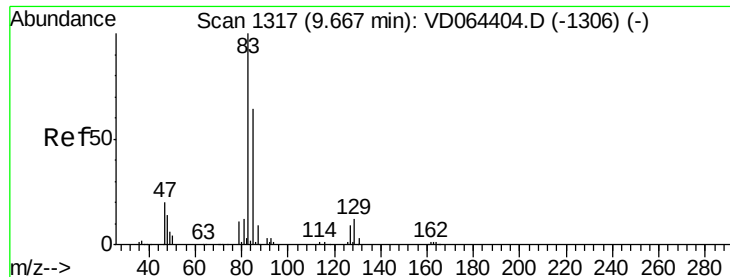
Tgt Ion: 63 Resp: 287001
 Ion Ratio Lower Upper
 63 100
 65 32.8 25.4 38.0



#46
 Dibromomethane
 Concen: 50.424 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064504.D
 Acq: 11 Dec 2019 17:18

Tgt Ion: 93 Resp: 156423
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.7 100.1
 174 116.5 92.3 138.5

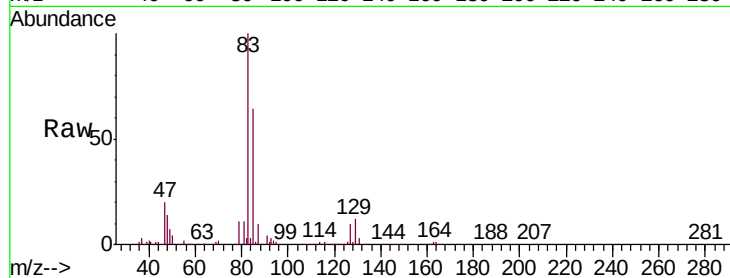




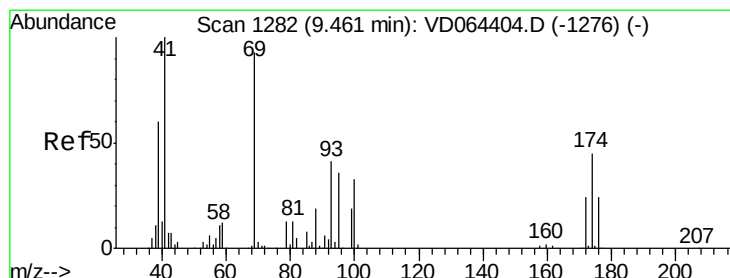
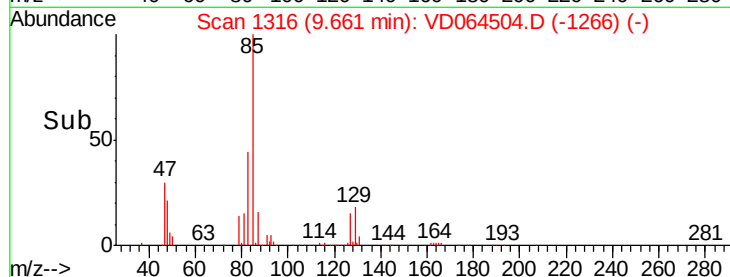
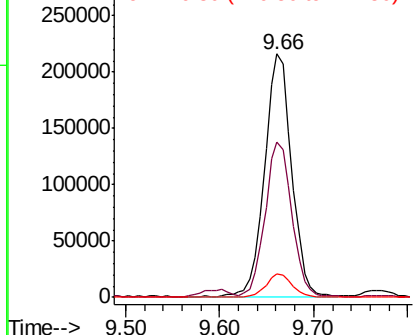
#47
Bromodichloromethane
Concen: 53.732 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 428289
Ion Ratio Lower Upper
83 100
85 63.4 51.1 76.7
127 9.6 7.4 11.0

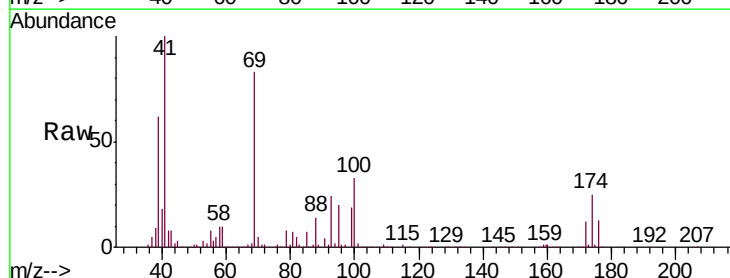


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V

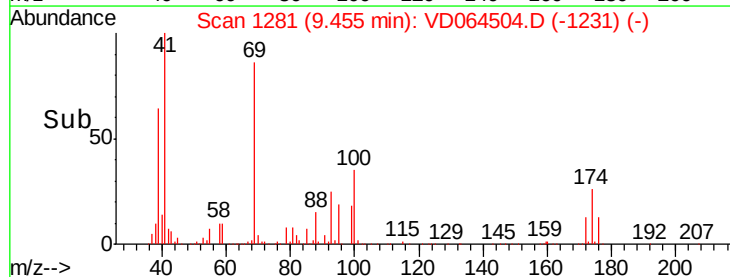
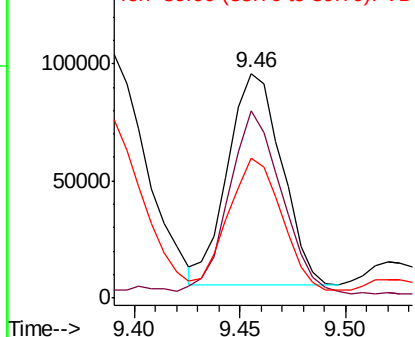


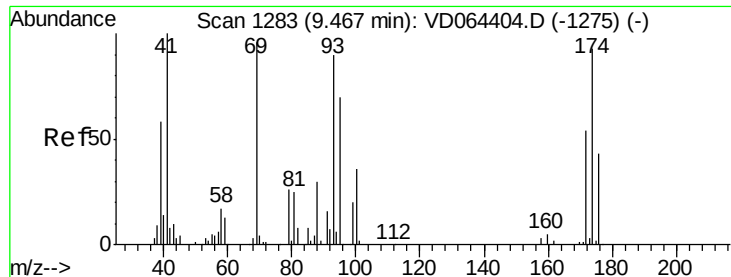
#48
Methyl methacrylate
Concen: 51.078 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

Tgt Ion: 41 Resp: 161354
Ion Ratio Lower Upper
41 100
69 85.0 72.0 108.0
39 61.5 55.2 82.8



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

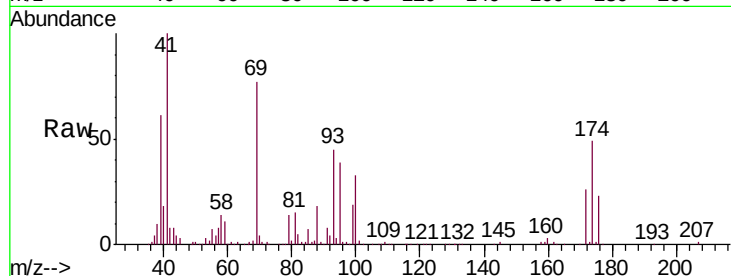




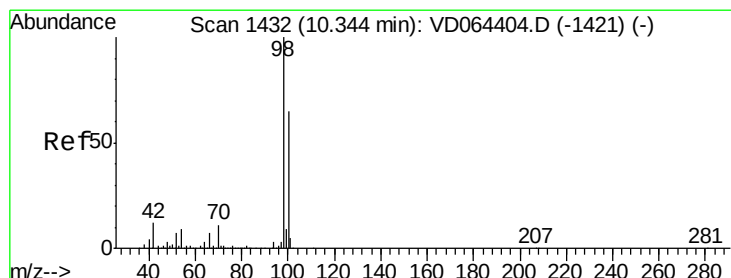
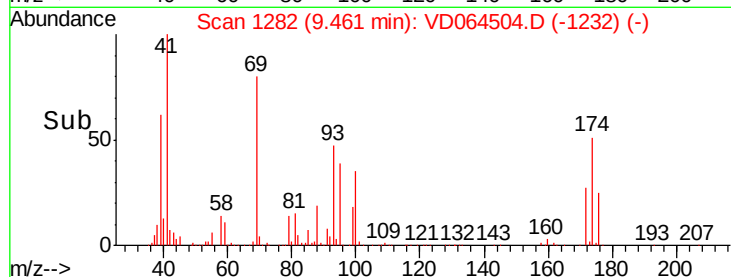
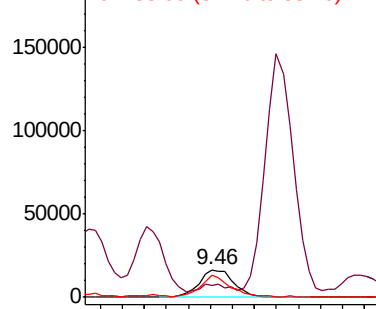
#49
1,4-Dioxane
Concen: 967.893 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 37077
Ion Ratio Lower Upper
88 100
43 40.0 26.7 40.1
58 62.5 52.3 78.5

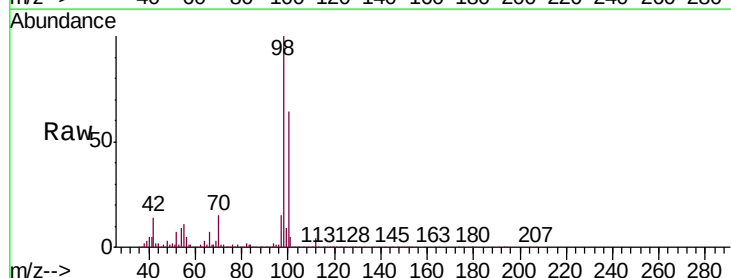


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

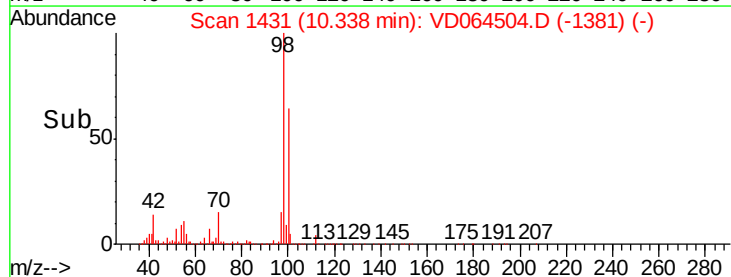
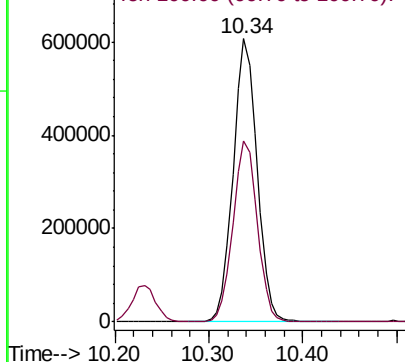


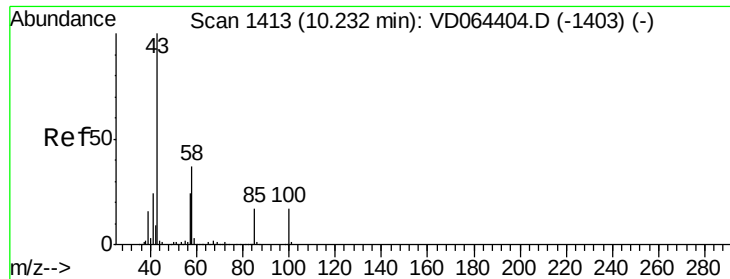
#50
Toluene-d8
Concen: 51.691 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

Tgt Ion: 98 Resp: 1073225
Ion Ratio Lower Upper
98 100
100 65.0 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

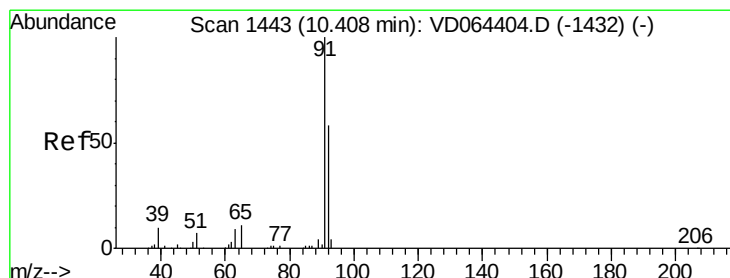
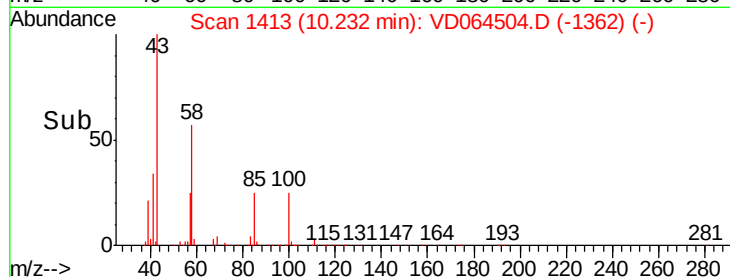
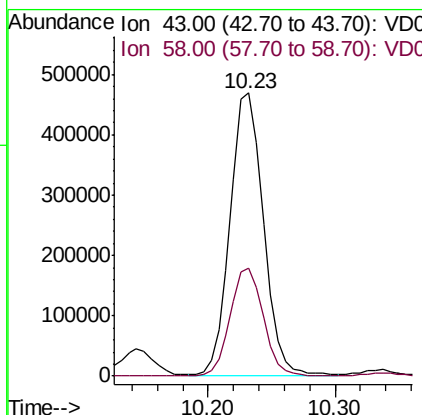
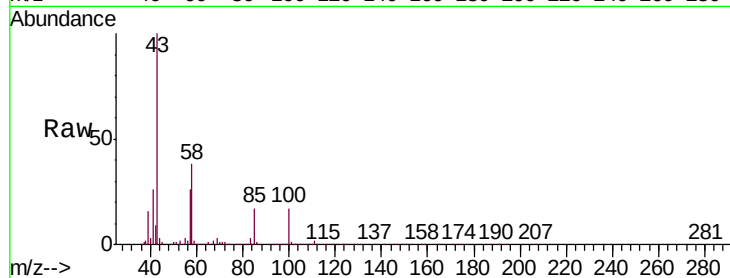




#51
 4-Methyl-2-Pentanone
 Concen: 248.274 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD064504.D
 Acq: 11 Dec 2019 17:18

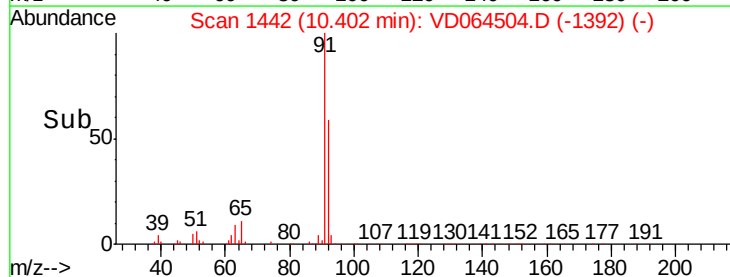
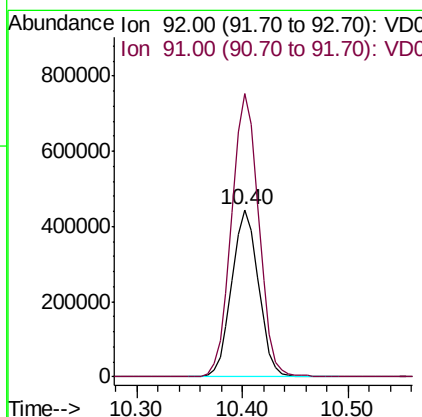
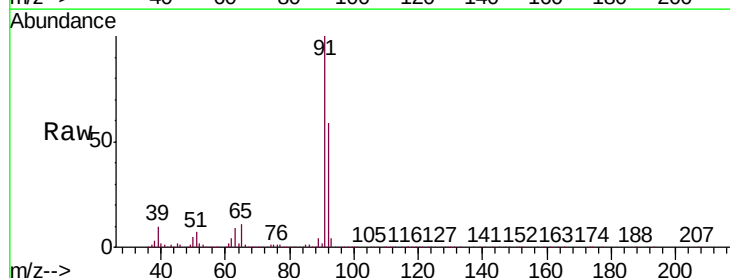
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

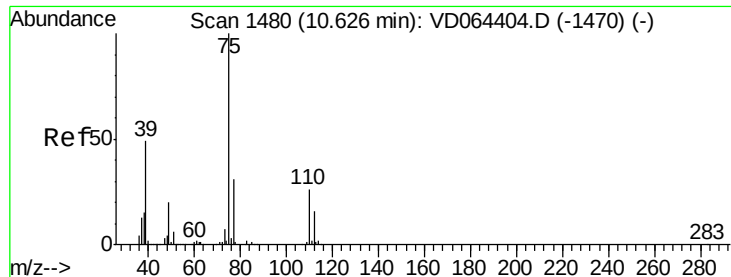
Tgt Ion: 43 Resp: 848053
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.6 46.0



#52
 Toluene
 Concen: 51.984 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD064504.D
 Acq: 11 Dec 2019 17:18

Tgt Ion: 92 Resp: 778602
 Ion Ratio Lower Upper
 92 100
 91 170.9 137.8 206.6





#53

t-1,3-Dichloropropene

Concen: 52.672 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

Instrument :

MSVOA_D

ClientSampleId :

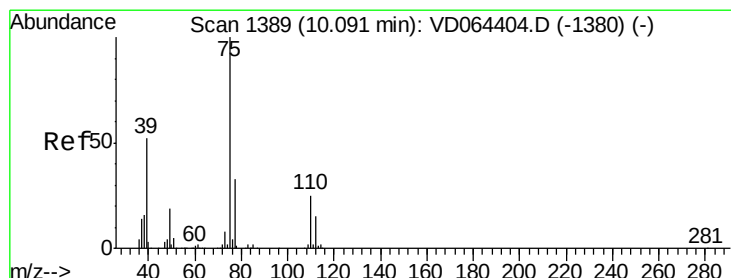
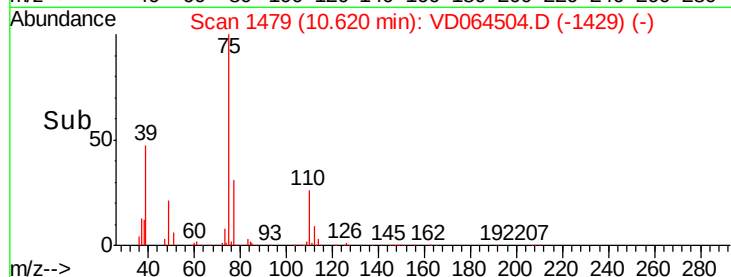
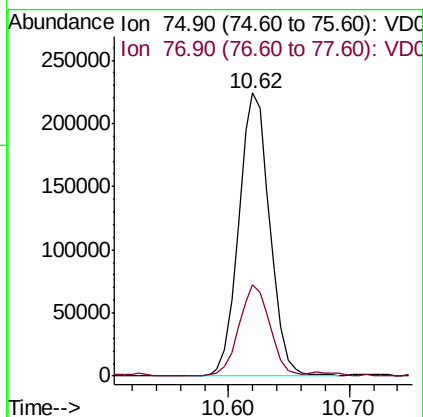
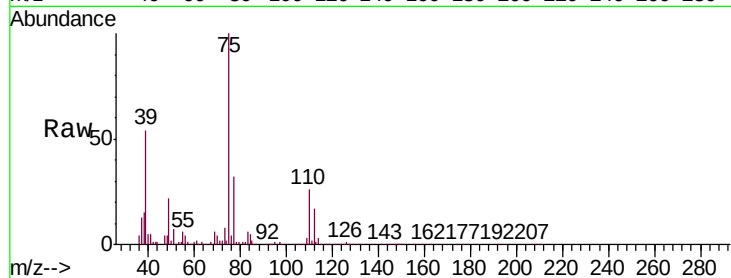
VSTDCCC050EC

Tgt Ion: 75 Resp: 400127

Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 52.411 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

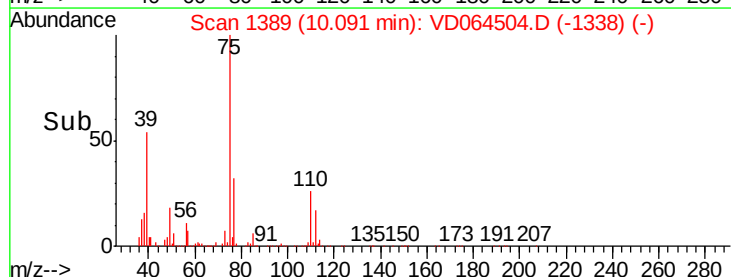
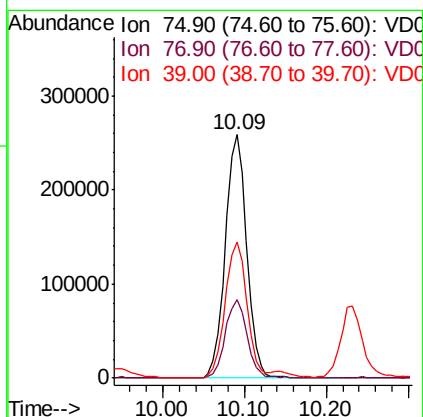
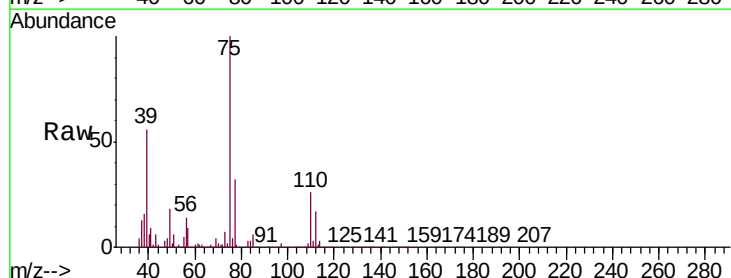
Tgt Ion: 75 Resp: 472979

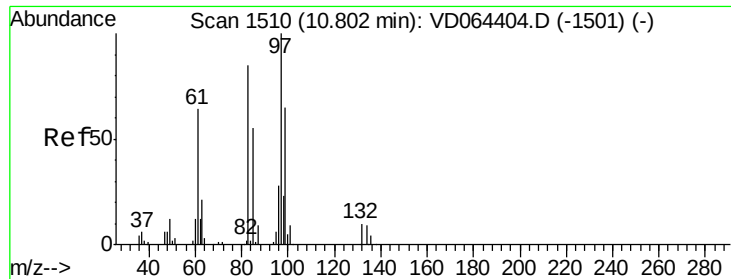
Ion Ratio Lower Upper

75 100

77 32.2 26.1 39.1

39 55.4 41.5 62.3

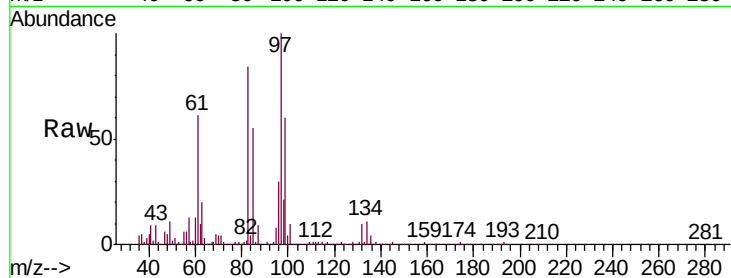




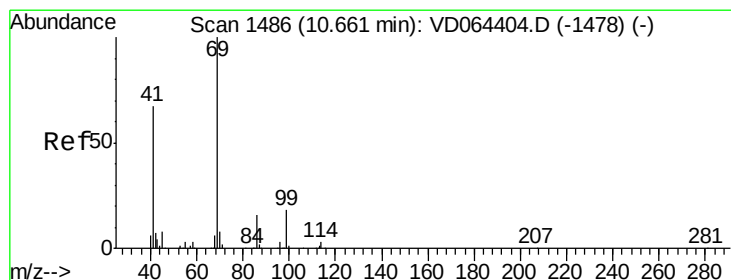
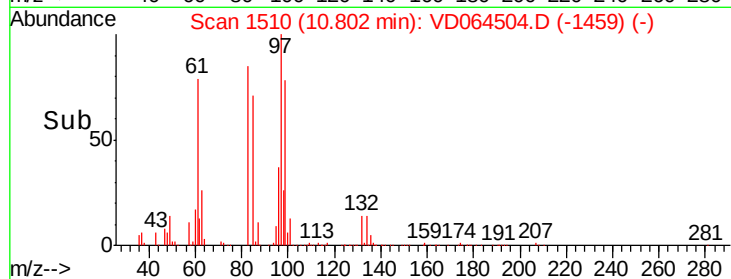
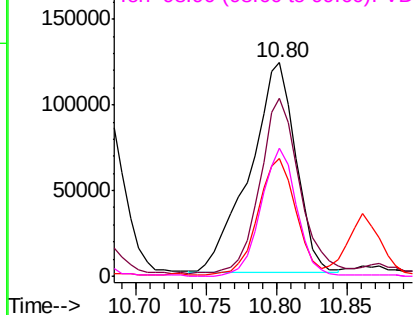
#55
 1,1,2-Trichloroethane
 Concen: 66.465 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064504.D
 Acq: 11 Dec 2019 17:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	282324
Ion	Ratio	Lower	Upper
97	100		
83	84.0	67.8	101.8
85	55.8	43.7	65.5
99	61.2	51.7	77.5

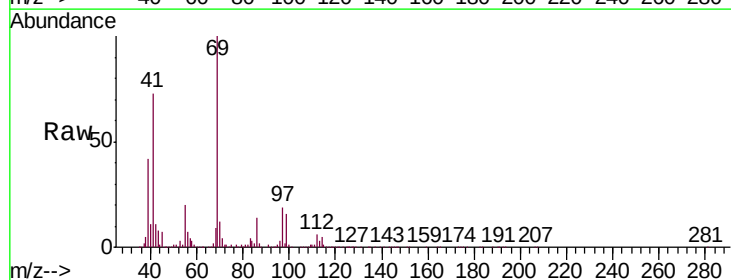


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

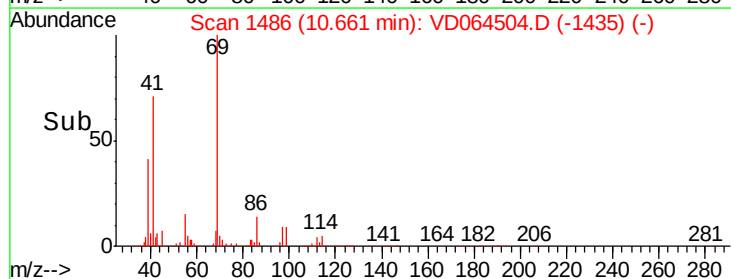
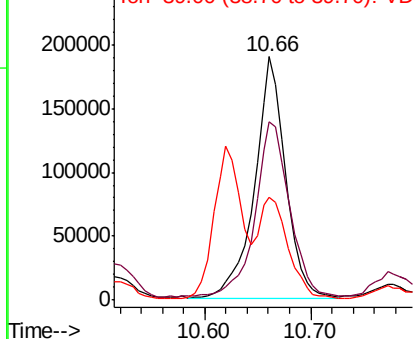


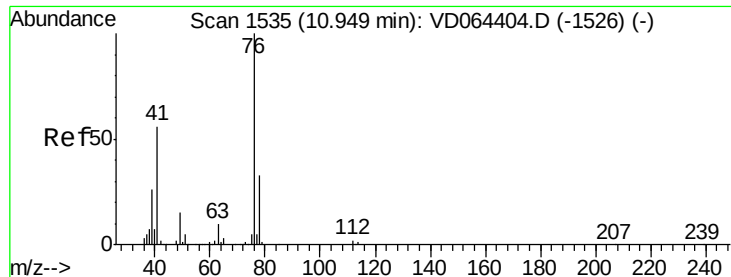
#56
 Ethyl methacrylate
 Concen: 71.404 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064504.D
 Acq: 11 Dec 2019 17:18

Tgt Ion:	69	Resp:	386844
Ion	Ratio	Lower	Upper
69	100		
41	79.9	55.0	82.4
39	39.3	33.0	49.6



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





#57

1,3-Dichloropropane

Concen: 51.204 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

Instrument :

MSVOA_D

ClientSampleId :

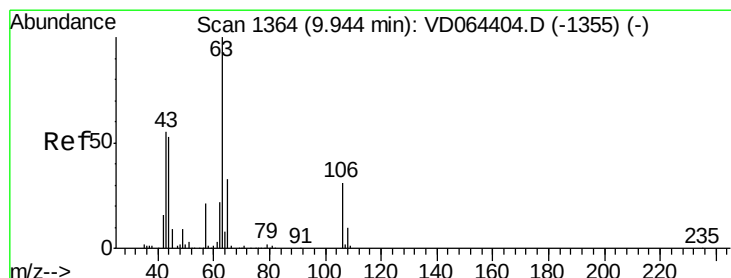
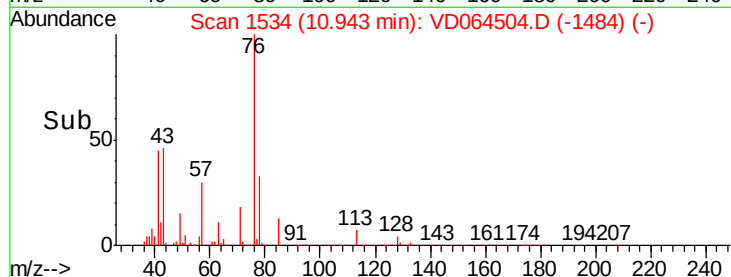
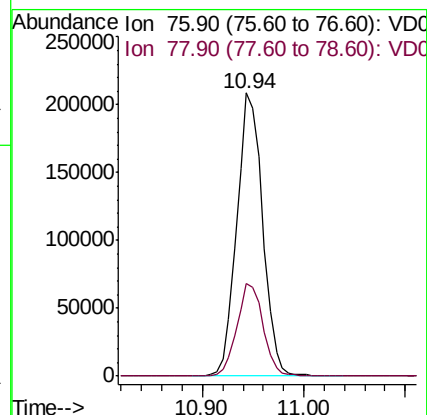
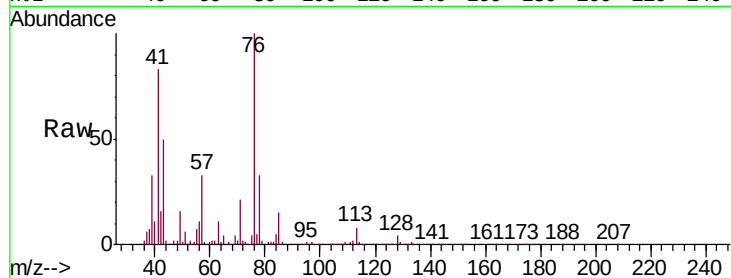
VSTDCCC050EC

Tgt Ion: 76 Resp: 370241

Ion Ratio Lower Upper

76 100

78 32.8 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 236.608 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064504.D

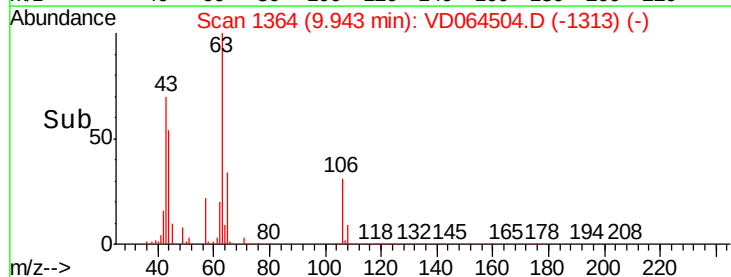
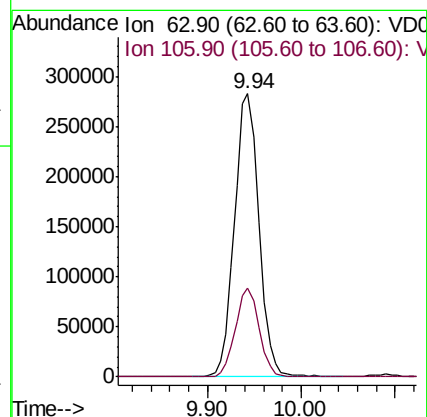
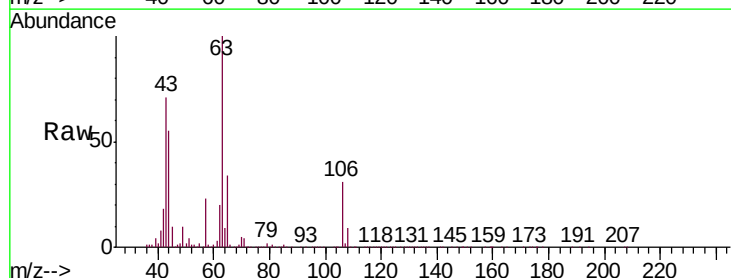
Acq: 11 Dec 2019 17:18

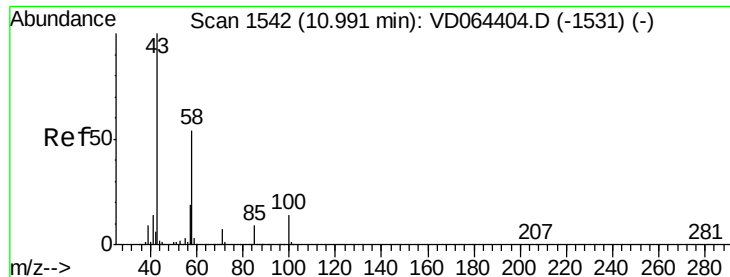
Tgt Ion: 63 Resp: 511004

Ion Ratio Lower Upper

63 100

106 30.6 24.2 36.4

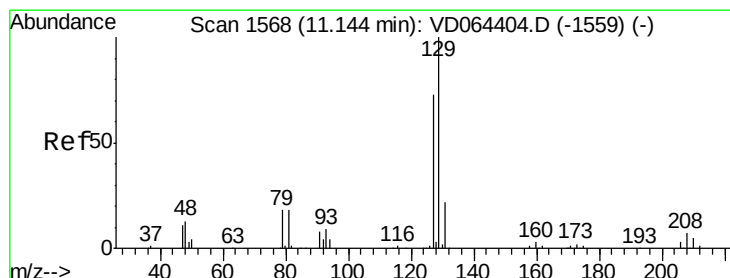
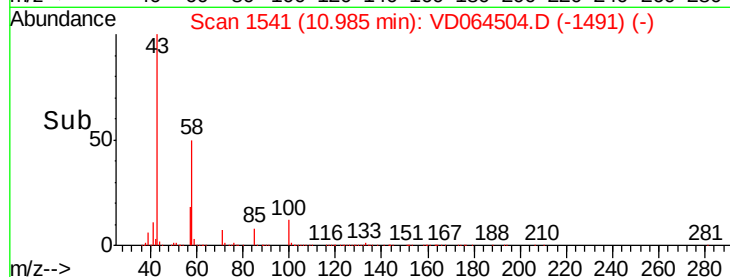
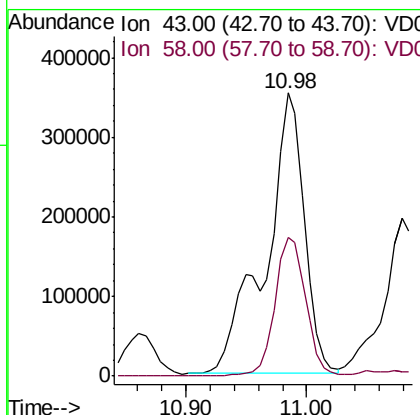
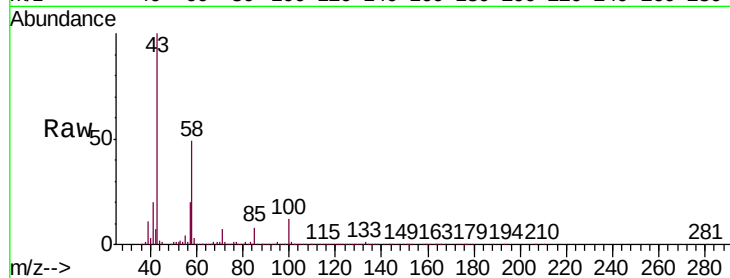




#59
2-Hexanone
Concen: 332.370 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

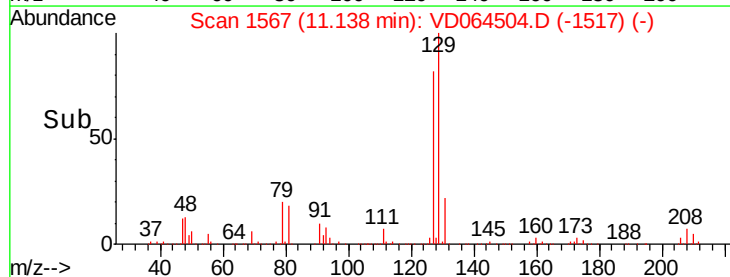
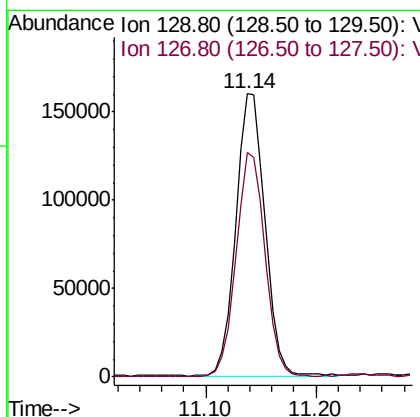
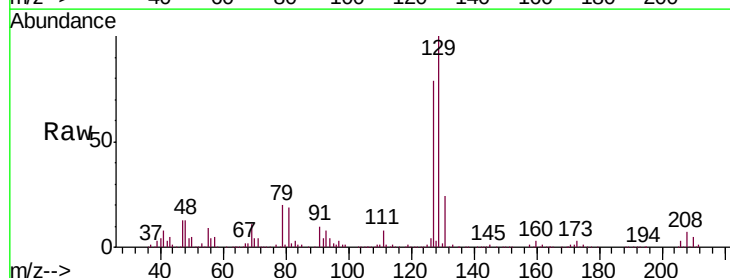
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

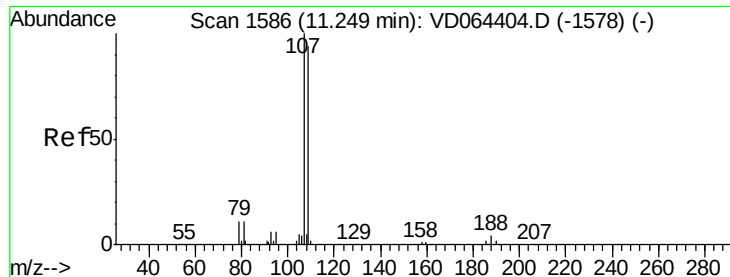
Tgt Ion: 43 Resp: 787777
Ion Ratio Lower Upper
43 100
58 39.3 26.3 78.8



#60
Dibromochloromethane
Concen: 51.402 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

Tgt Ion: 129 Resp: 296040
Ion Ratio Lower Upper
129 100
127 79.3 38.1 114.3

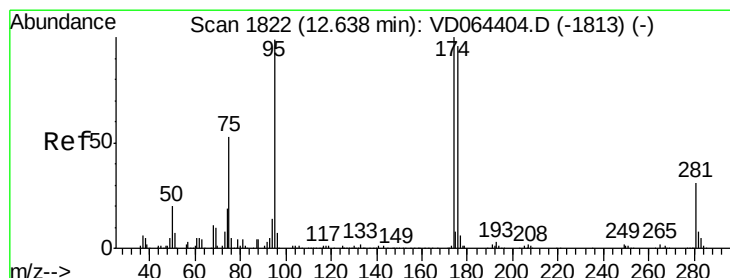
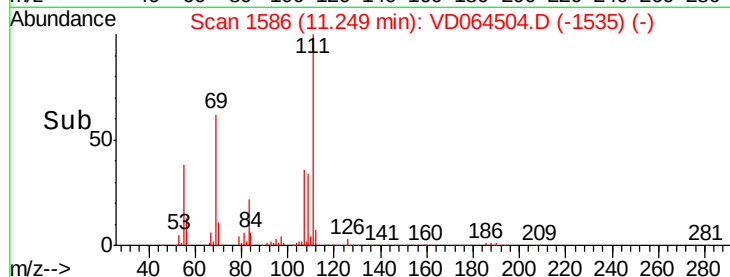
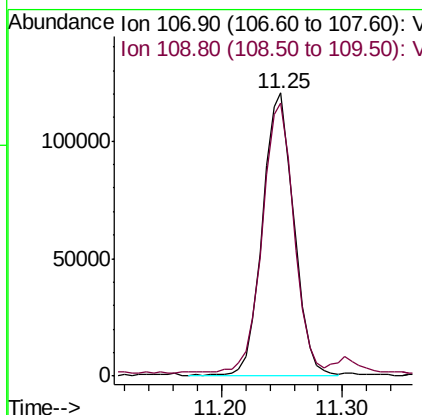
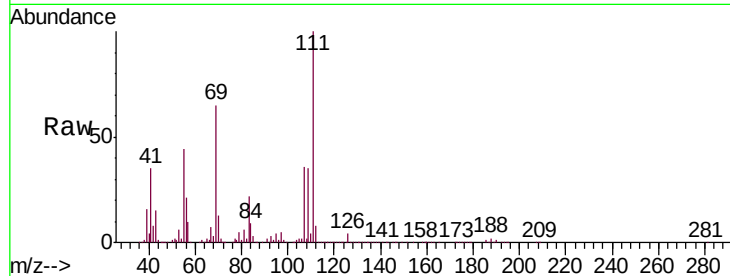




#61
 1,2-Dibromoethane
 Concen: 50.378 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064504.D
 Acq: 11 Dec 2019 17:18

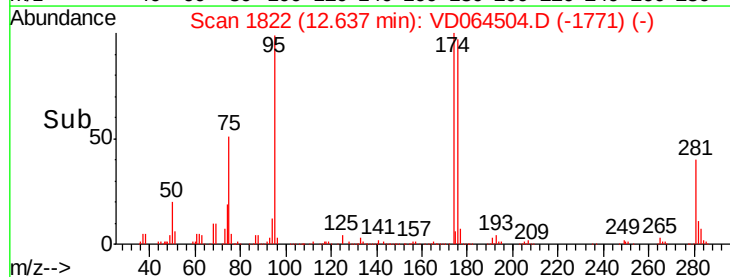
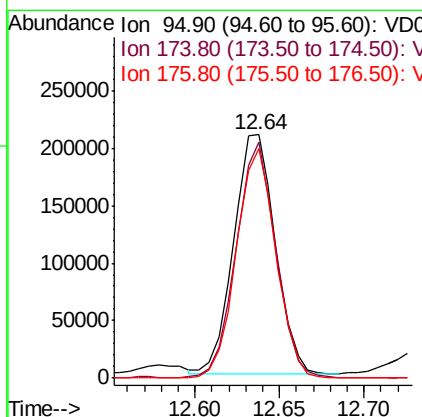
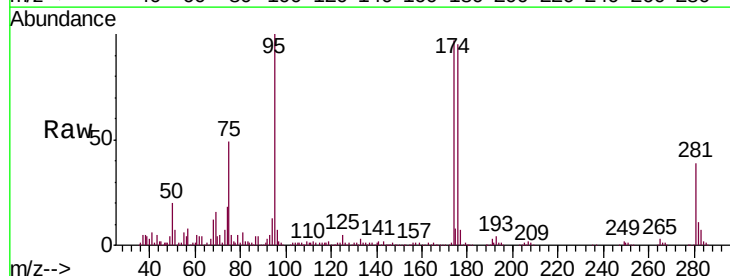
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

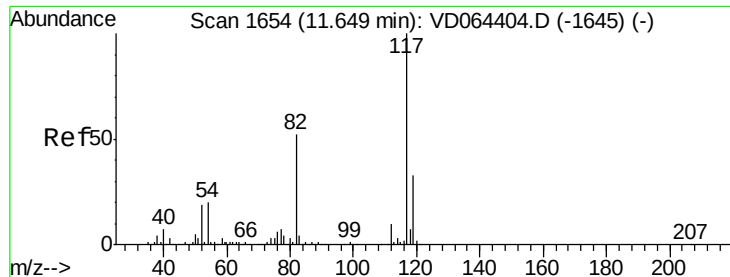
Tgt Ion: 107 Resp: 213661
 Ion Ratio Lower Upper
 107 100
 109 96.9 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 53.340 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064504.D
 Acq: 11 Dec 2019 17:18

Tgt Ion: 95 Resp: 355913
 Ion Ratio Lower Upper
 95 100
 174 93.8 0.0 197.2
 176 91.3 0.0 189.6

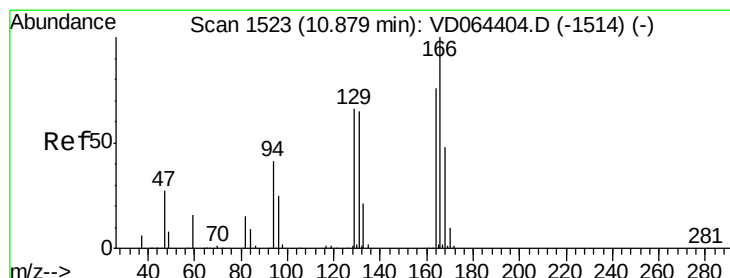
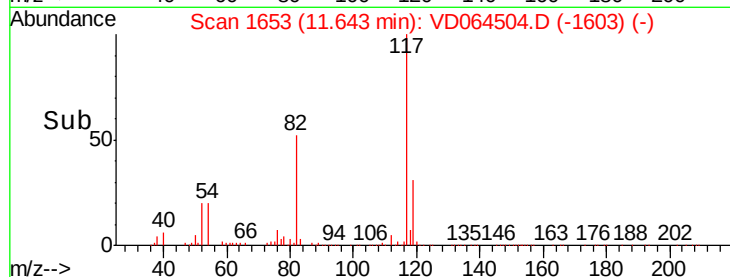
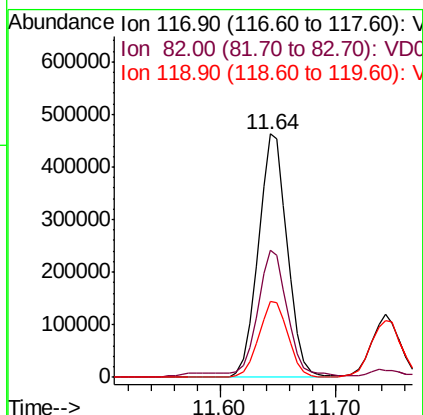
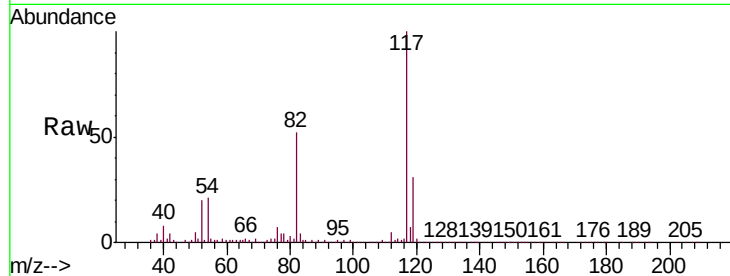




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

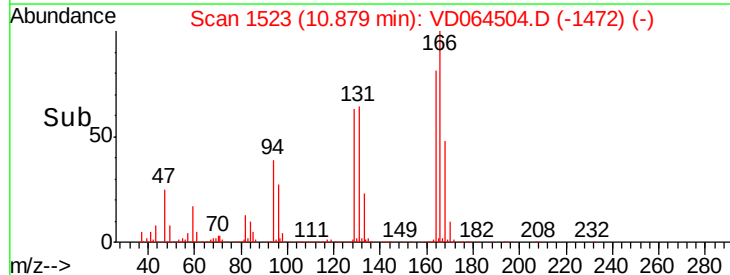
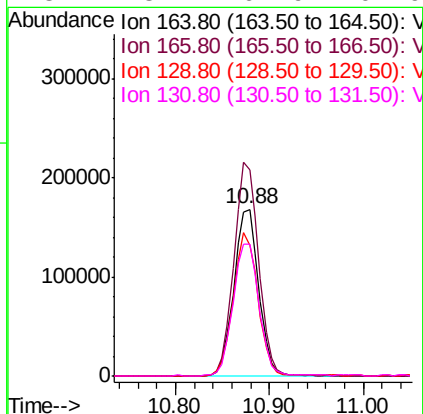
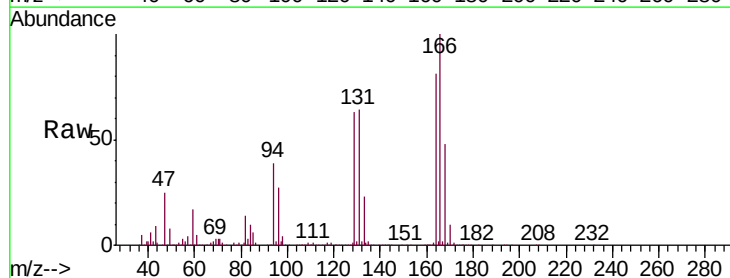
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

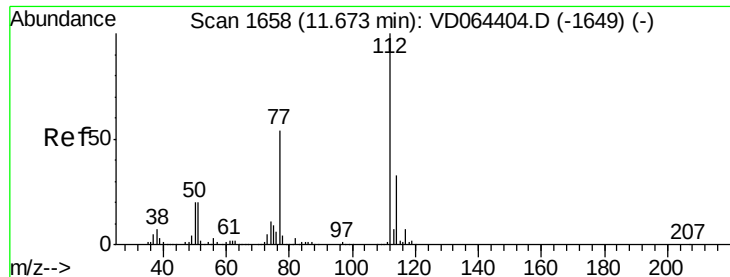
Tgt Ion:117 Resp: 804885
Ion Ratio Lower Upper
117 100
82 51.6 41.4 62.2
119 31.3 26.2 39.2



#64
Tetrachloroethene
Concen: 50.130 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

Tgt Ion:164 Resp: 307691
Ion Ratio Lower Upper
164 100
166 123.7 104.8 157.2
129 78.3 68.7 103.1
131 78.7 67.9 101.9

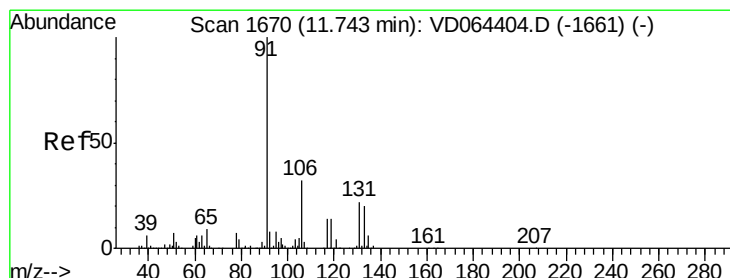
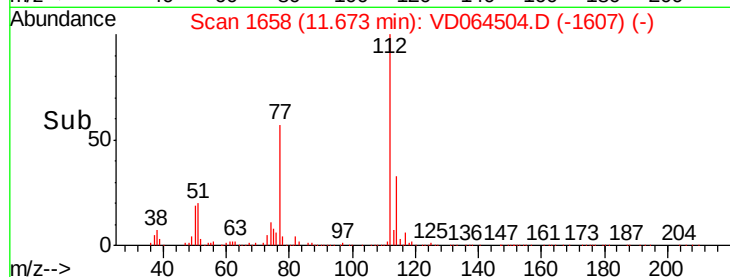
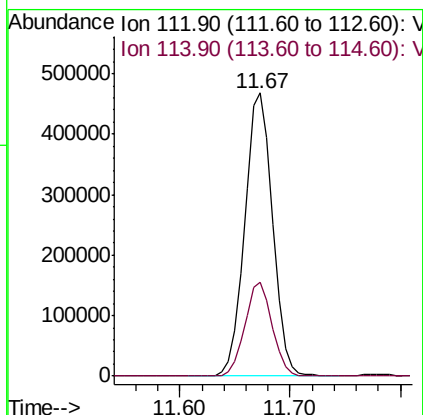
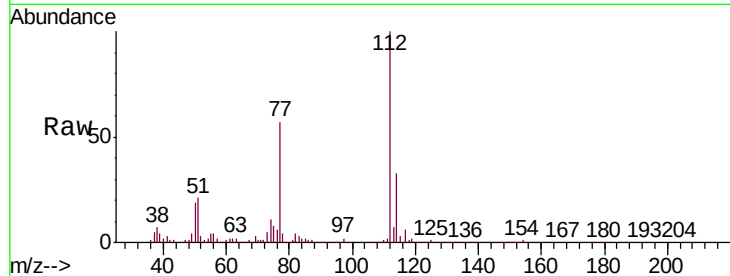




#65
Chlorobenzene
Concen: 49.227 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

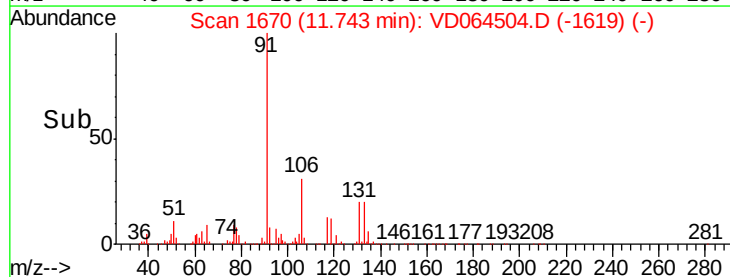
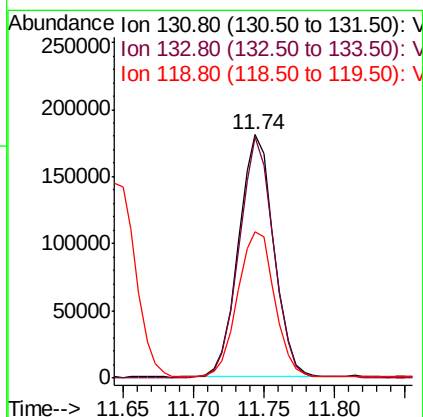
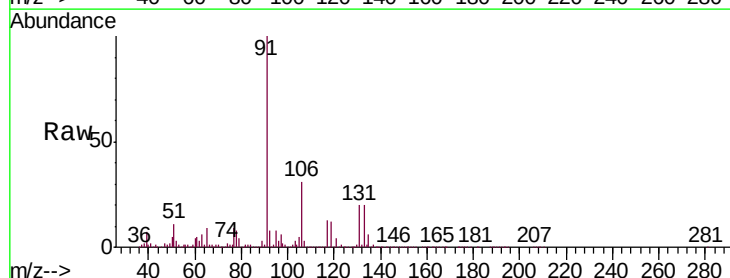
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

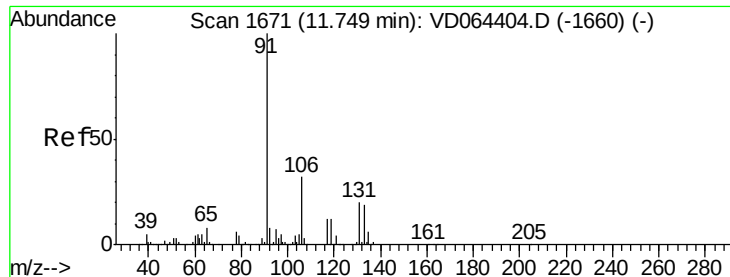
Tgt Ion:112 Resp: 826392
Ion Ratio Lower Upper
112 100
114 33.0 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 50.505 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

Tgt Ion:131 Resp: 313861
Ion Ratio Lower Upper
131 100
133 97.7 48.3 144.9
119 63.9 31.9 95.9

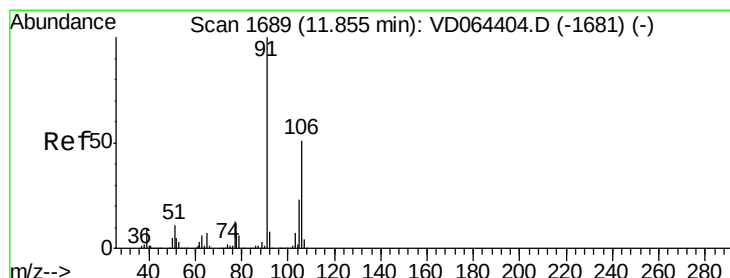
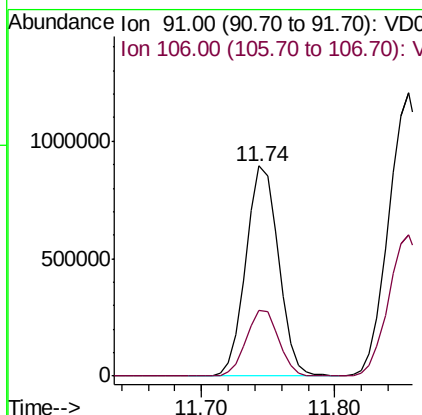
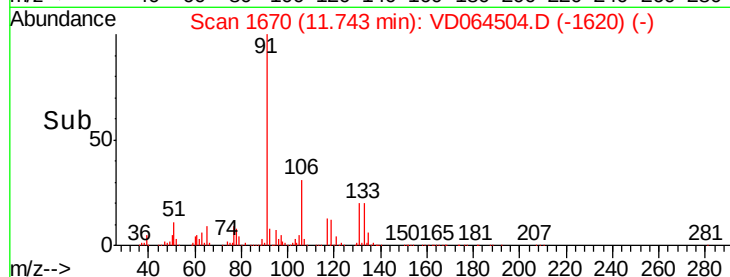
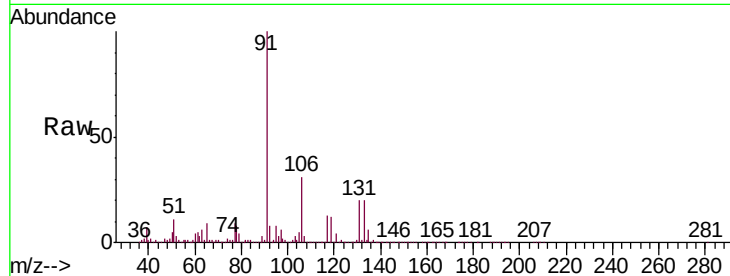




#67
Ethyl Benzene
Concen: 50.495 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

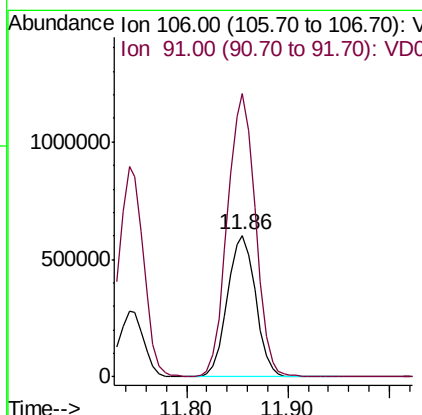
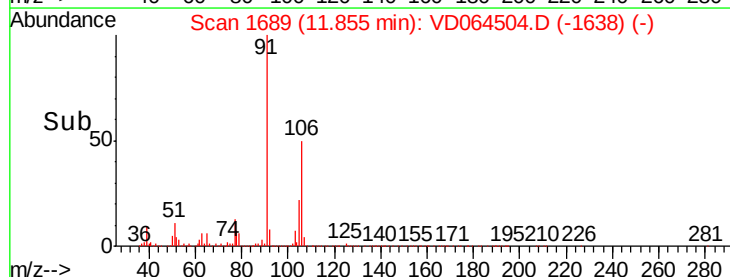
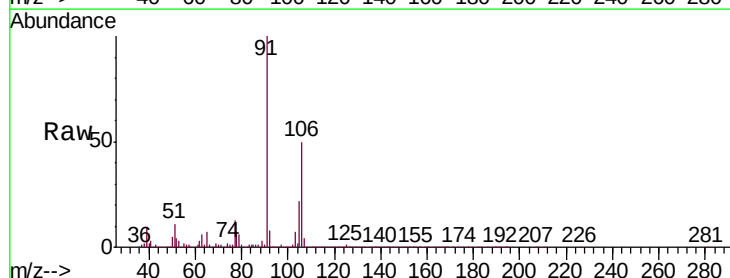
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

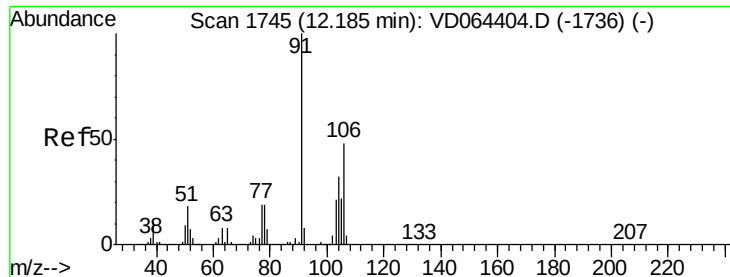
Tgt Ion: 91 Resp: 1508212
Ion Ratio Lower Upper
91 100
106 31.4 25.8 38.8



#68
m/p-Xylenes
Concen: 101.744 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

Tgt Ion: 106 Resp: 1158714
Ion Ratio Lower Upper
106 100
91 199.5 157.4 236.2

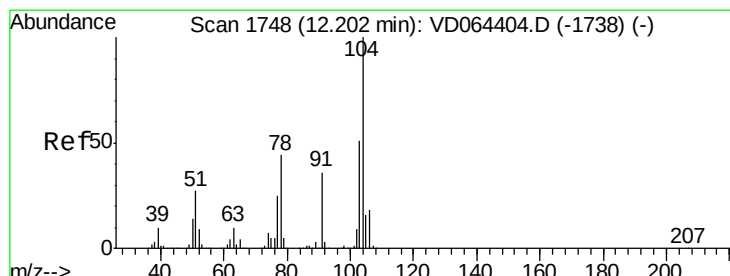
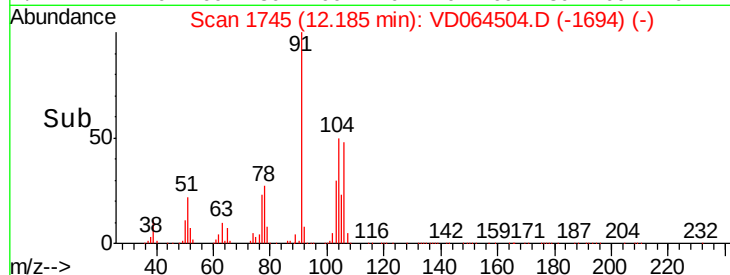
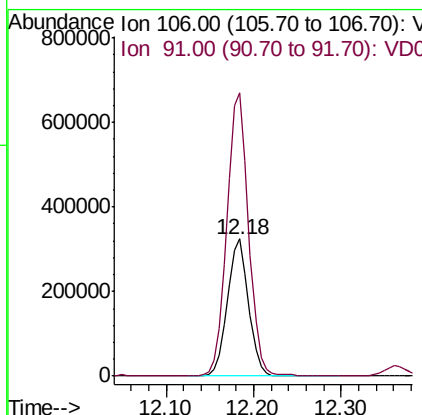
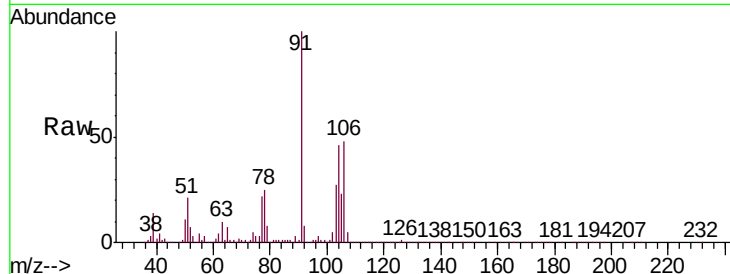




#69
o-Xylene
Concen: 51.085 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

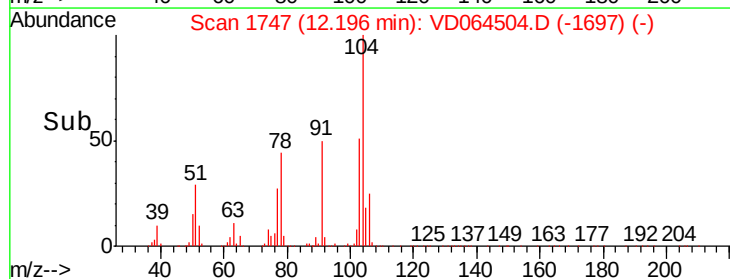
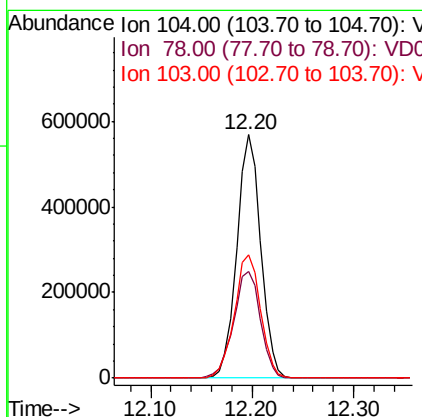
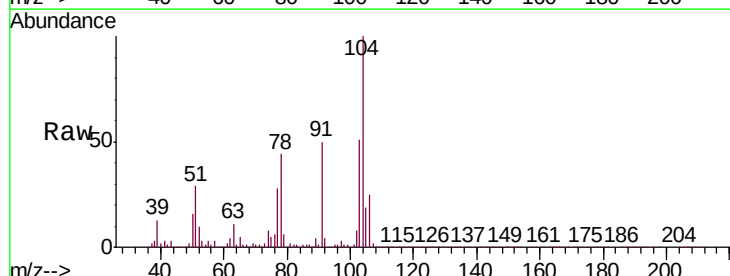
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

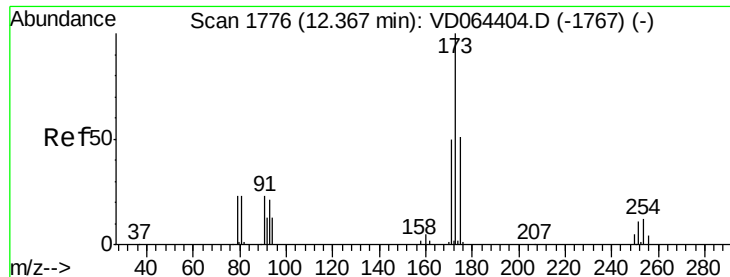
Tgt Ion:106 Resp: 537314
Ion Ratio Lower Upper
106 100
91 209.6 103.8 311.4



#70
Styrene
Concen: 50.993 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

Tgt Ion:104 Resp: 932025
Ion Ratio Lower Upper
104 100
78 49.4 38.8 58.2
103 55.8 44.2 66.4





#71

Bromoform

Concen: 47.832 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

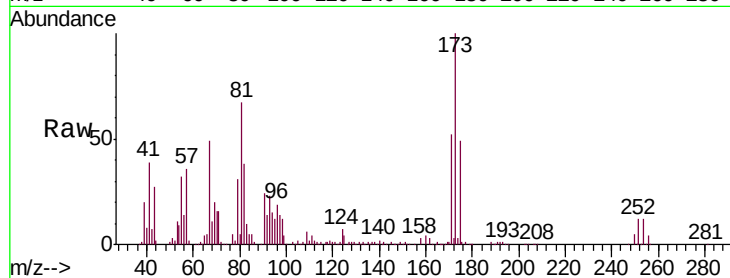
Tgt Ion:173 Resp: 177838

Ion Ratio Lower Upper

173 100

175 49.1 25.3 75.8

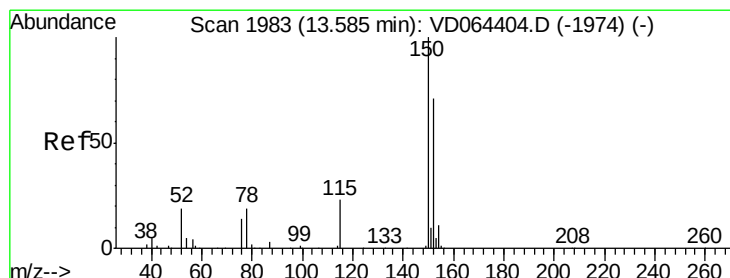
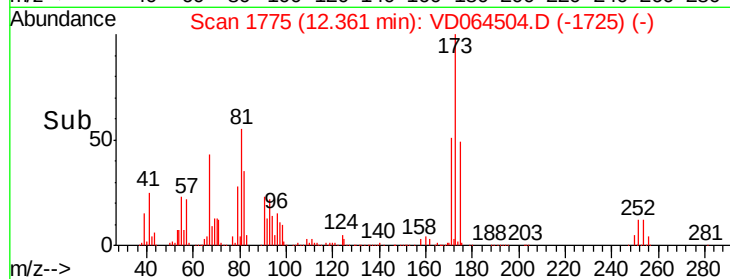
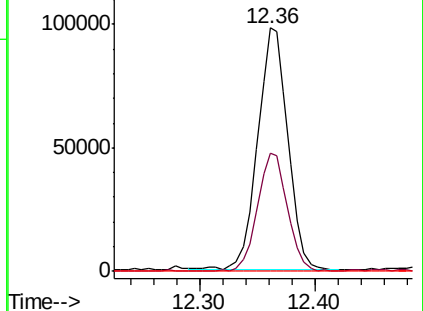
254 0.2 0.0 0.0#



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: VD064504.D

Acq: 11 Dec 2019 17:18

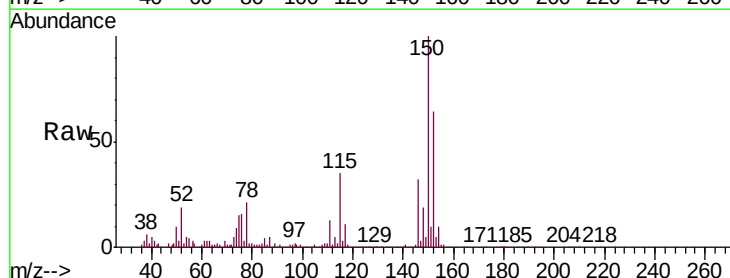
Tgt Ion:152 Resp: 400452

Ion Ratio Lower Upper

152 100

115 55.2 26.7 80.1

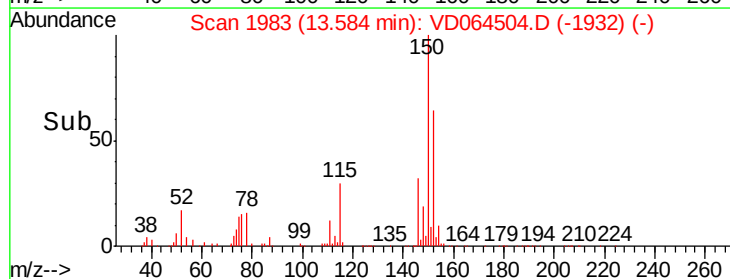
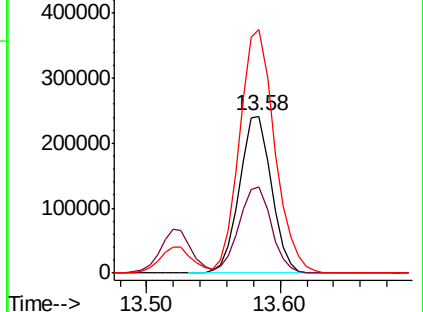
150 170.0 0.0 347.2

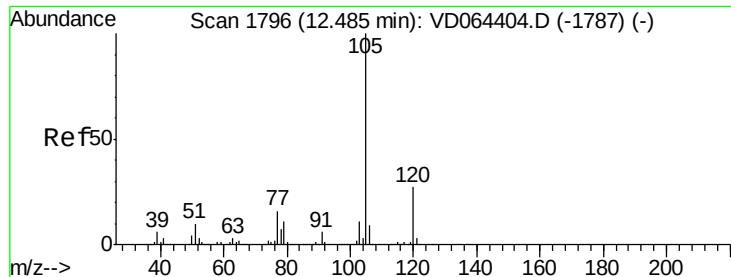


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.736 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

Instrument :

MSVOA_D

ClientSampleId :

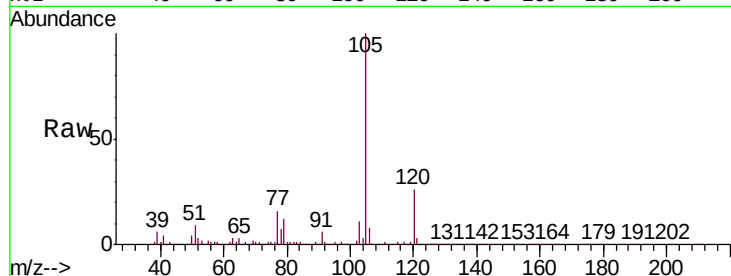
VSTDCCC050EC

Tgt Ion:105 Resp: 1461251

Ion Ratio Lower Upper

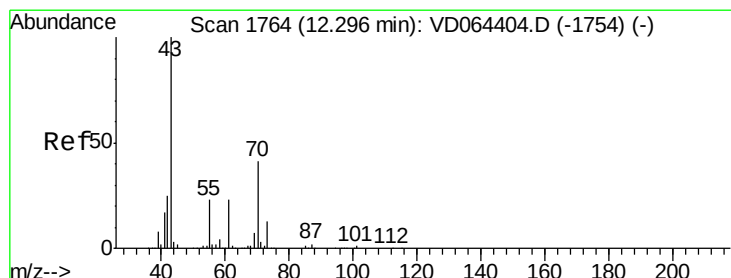
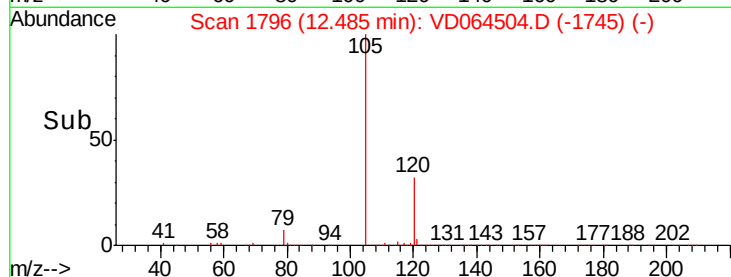
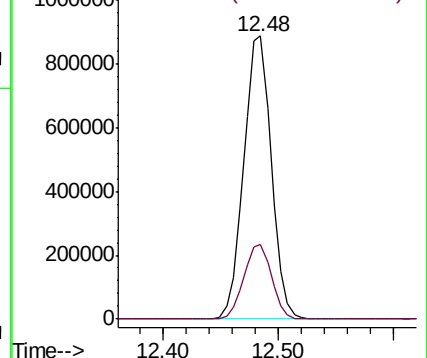
105 100

120 26.9 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 64.208 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

Tgt Ion: 43 Resp: 419711

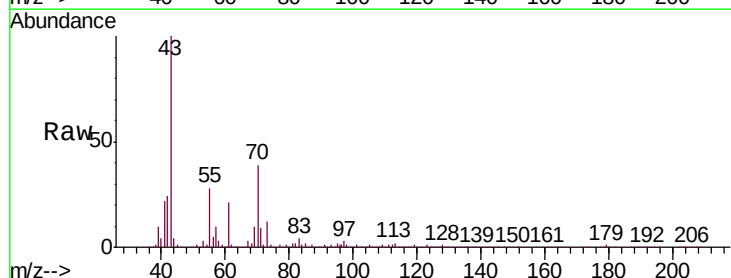
Ion Ratio Lower Upper

43 100

70 30.7 33.4 50.2#

55 33.2 18.9 28.3#

61 18.5 18.5 27.7

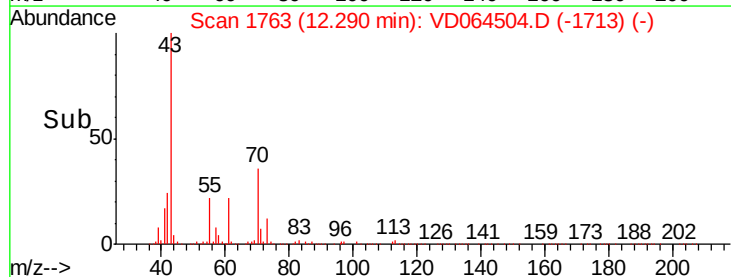
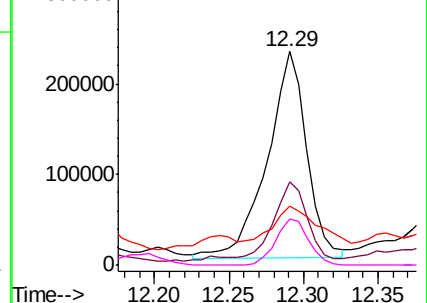


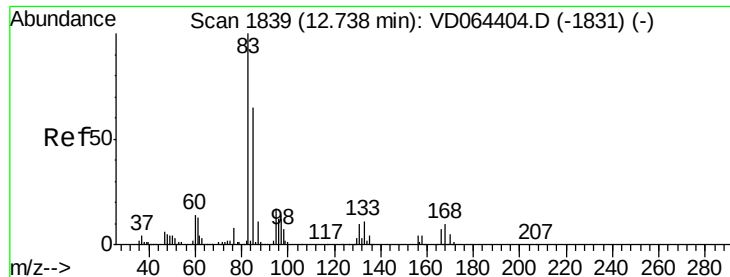
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 47.311 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

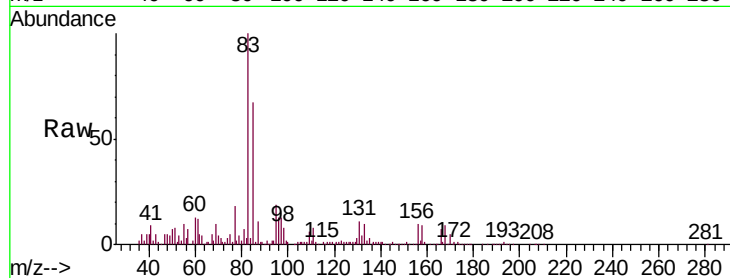
Tgt Ion: 83 Resp: 225331

Ion Ratio Lower Upper

83 100

131 10.7 5.7 17.0

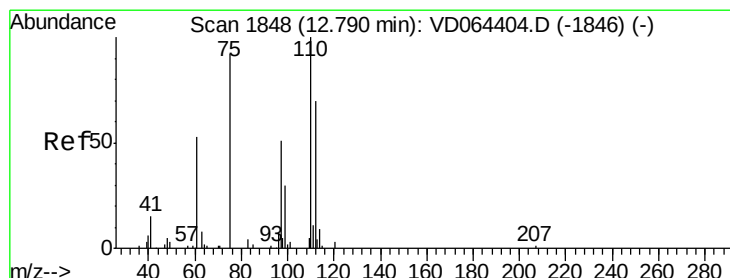
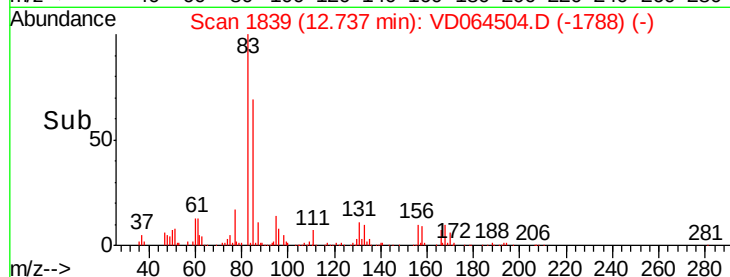
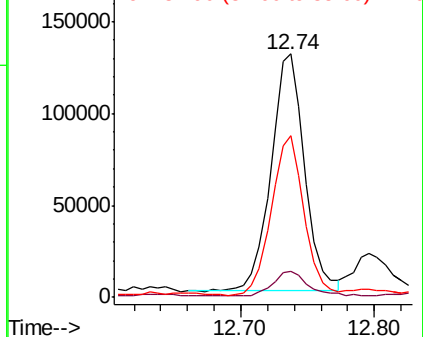
85 65.5 31.3 93.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 90.504 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064504.D

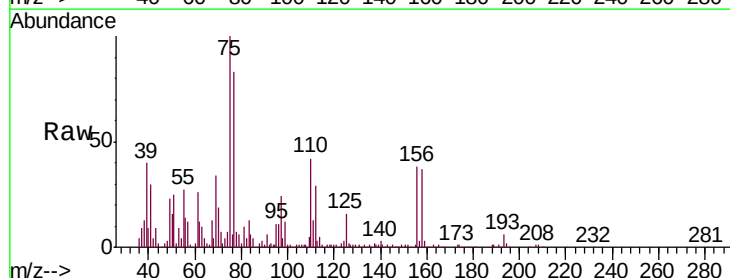
Acq: 11 Dec 2019 17:18

Tgt Ion: 75 Resp: 298048

Ion Ratio Lower Upper

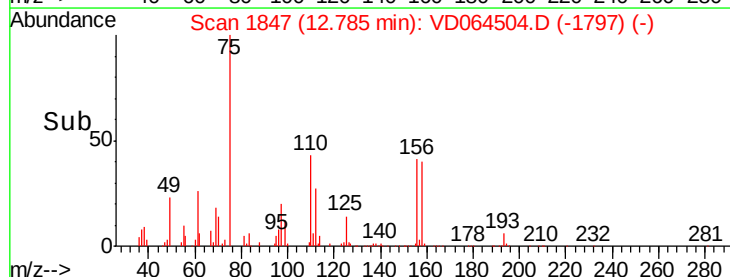
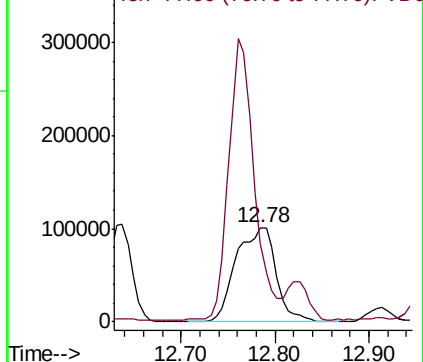
75 100

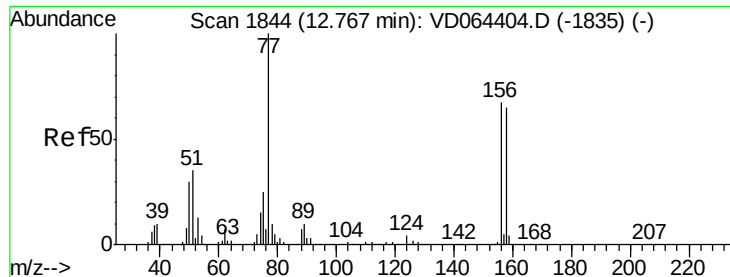
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 49.828 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

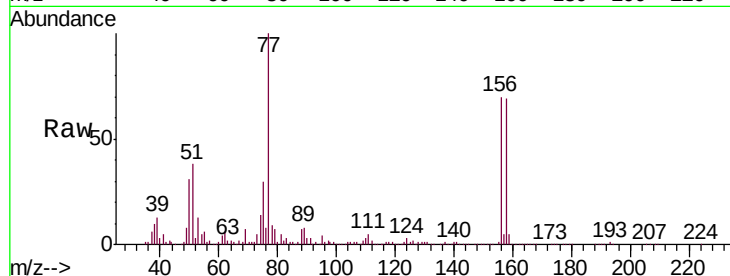
Tgt Ion:156 Resp: 354393

Ion Ratio Lower Upper

156 100

77 163.1 80.0 240.2

158 98.2 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V

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12.77

12.77

12.77

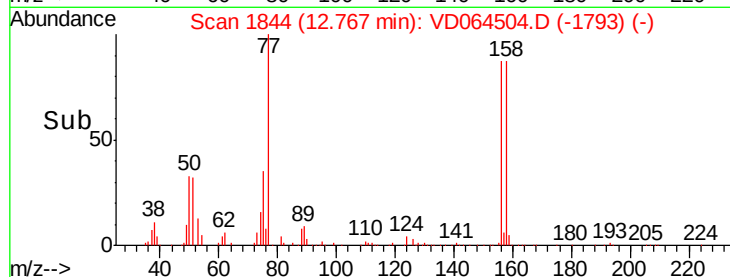
12.77

12.77

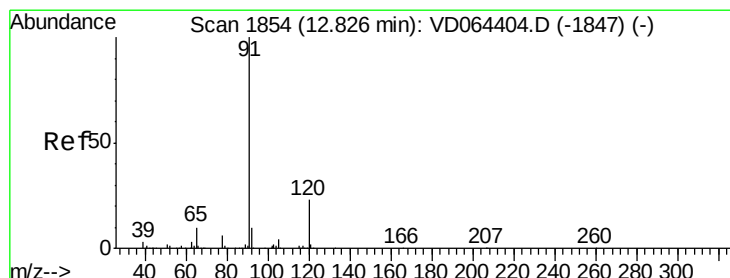
12.77

12.77

12.77



Time-->



#78

n-propylbenzene

Concen: 50.500 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064504.D

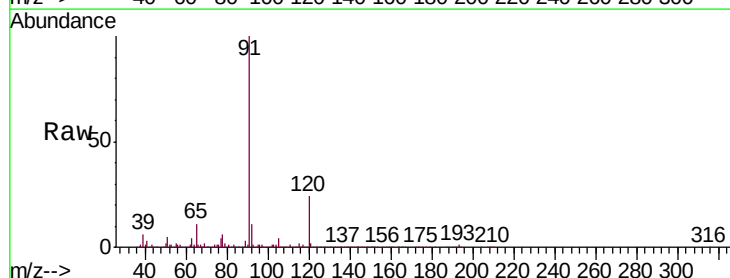
Acq: 11 Dec 2019 17:18

Tgt Ion: 91 Resp: 1678145

Ion Ratio Lower Upper

91 100

120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

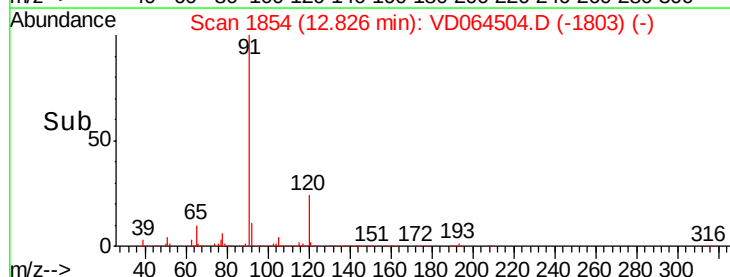
12.83

12.83

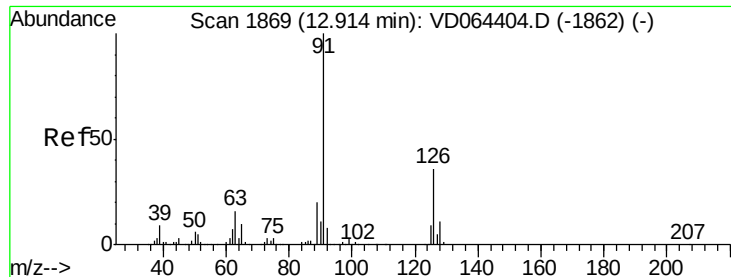
12.83

12.83

12.83



Time-->



#79

2-Chlorotoluene

Concen: 51.279 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

Instrument :

MSVOA_D

ClientSampleId :

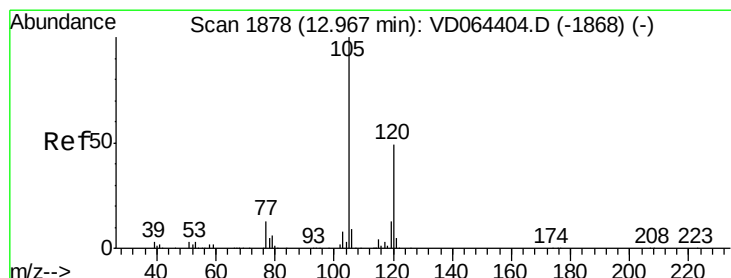
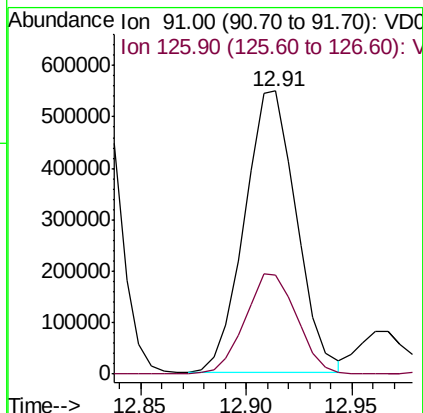
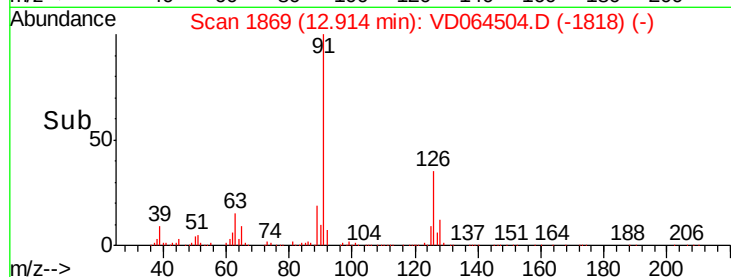
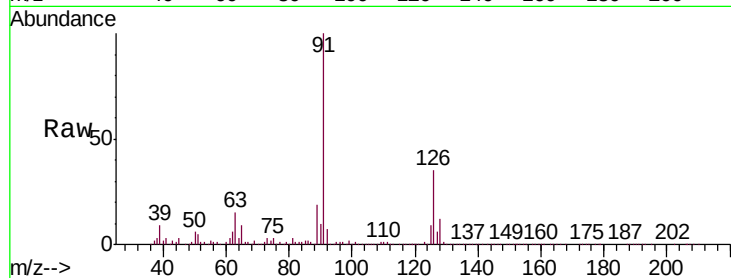
VSTDCCC050EC

Tgt Ion: 91 Resp: 937635

Ion Ratio Lower Upper

91 100

126 35.5 18.0 54.0



#80

1,3,5-Trimethylbenzene

Concen: 51.035 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD064504.D

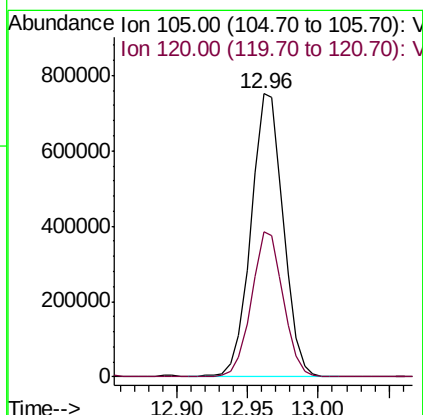
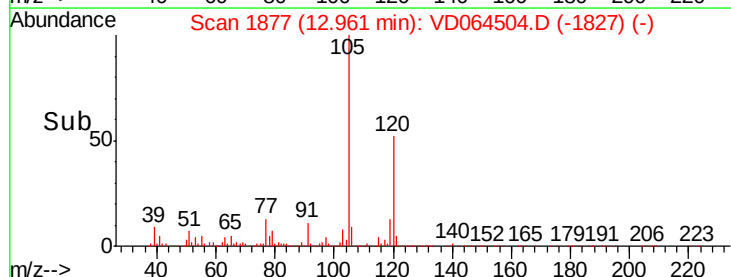
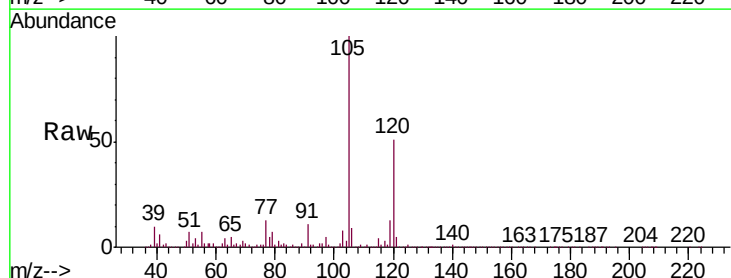
Acq: 11 Dec 2019 17:18

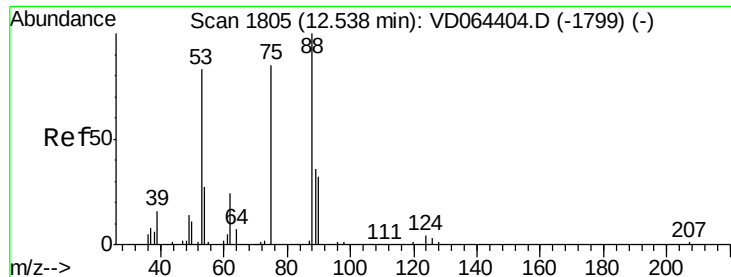
Tgt Ion: 105 Resp: 1201165

Ion Ratio Lower Upper

105 100

120 50.1 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 48.516 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

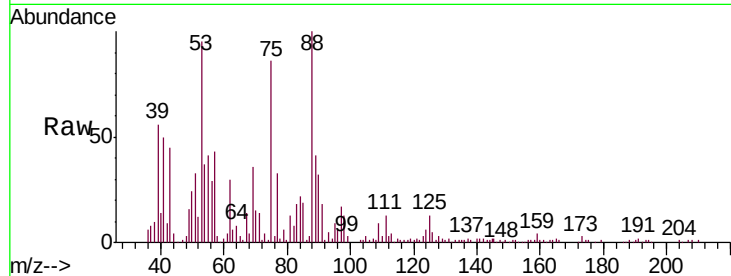
Tgt Ion: 75 Resp: 73273

Ion Ratio Lower Upper

75 100

53 111.2 81.0 121.6

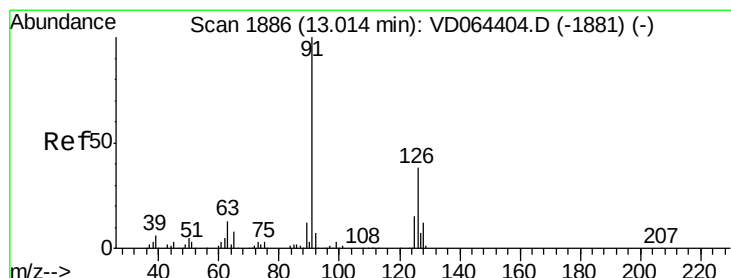
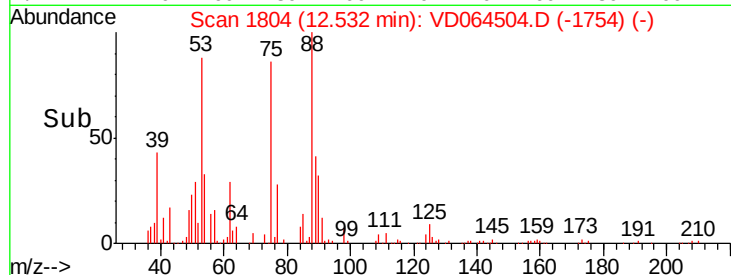
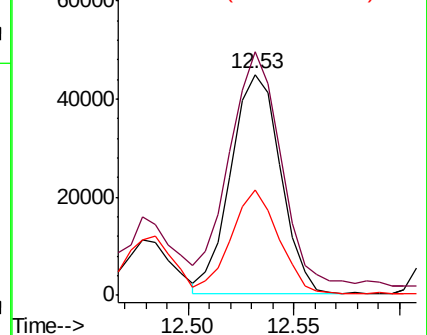
89 46.1 38.5 57.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 51.024 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064504.D

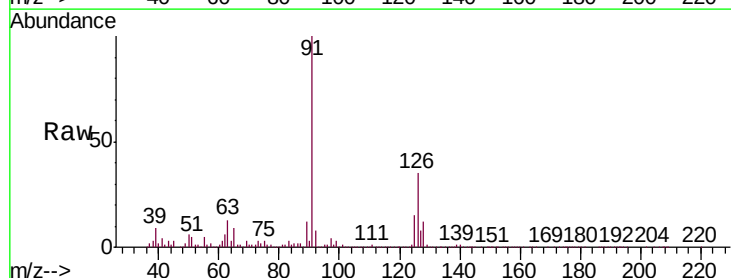
Acq: 11 Dec 2019 17:18

Tgt Ion: 91 Resp: 987823

Ion Ratio Lower Upper

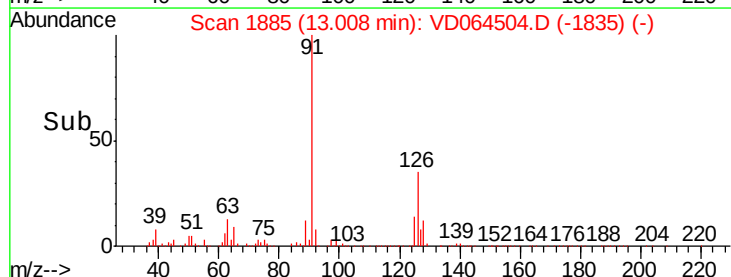
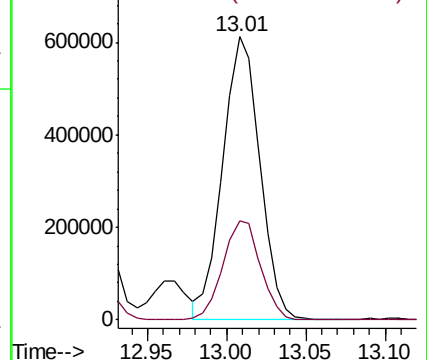
91 100

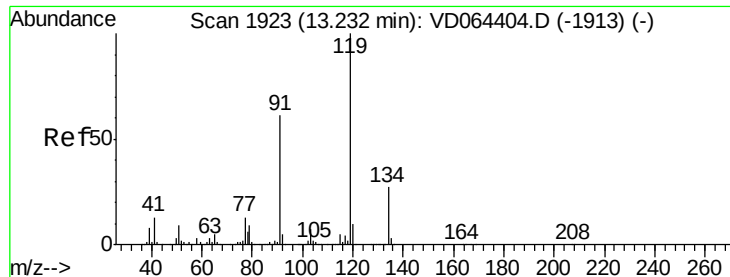
126 35.4 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

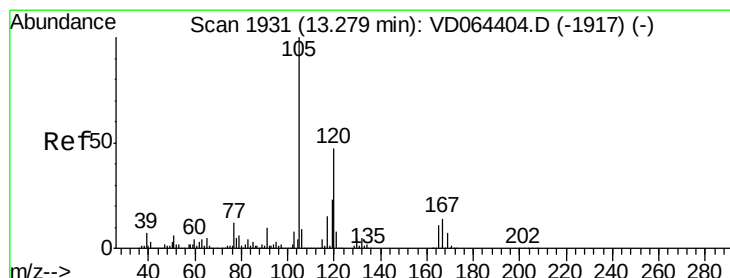
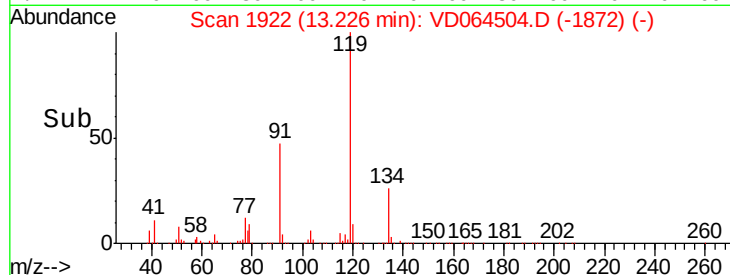
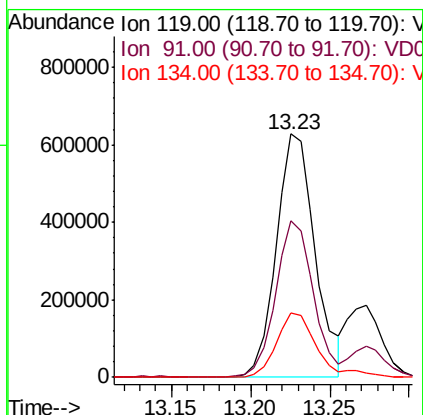
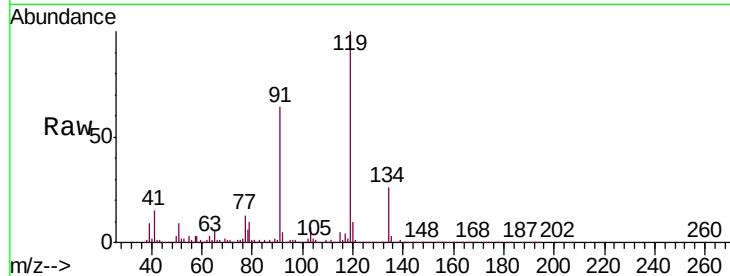




#83
 tert-Butylbenzene
 Concen: 51.897 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: VD064504.D
 Acq: 11 Dec 2019 17:18

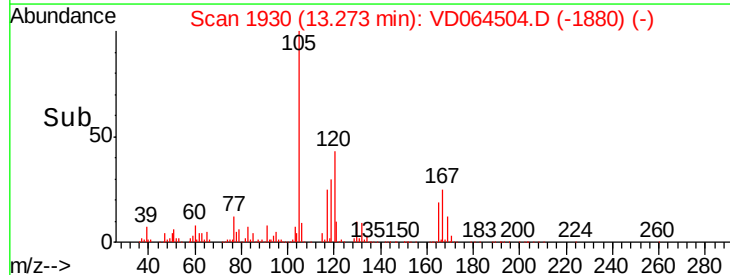
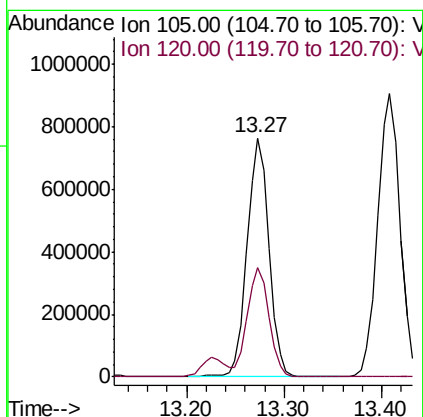
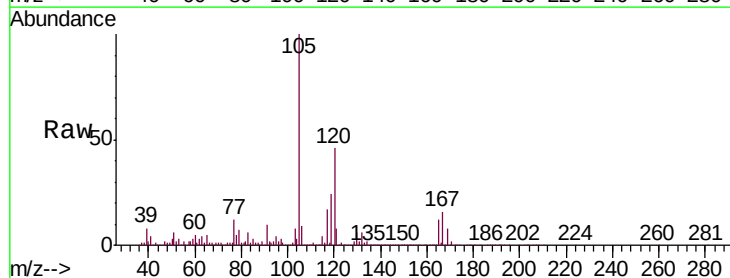
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

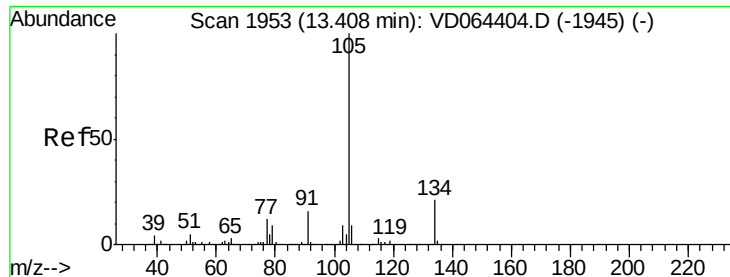
Tgt Ion:119 Resp: 1061886
 Ion Ratio Lower Upper
 119 100
 91 61.9 31.2 93.6
 134 28.0 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 50.458 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD064504.D
 Acq: 11 Dec 2019 17:18

Tgt Ion:105 Resp: 1194138
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.6 70.8





#85

sec-Butylbenzene

Concen: 50.814 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

Instrument :

MSVOA_D

ClientSampleId :

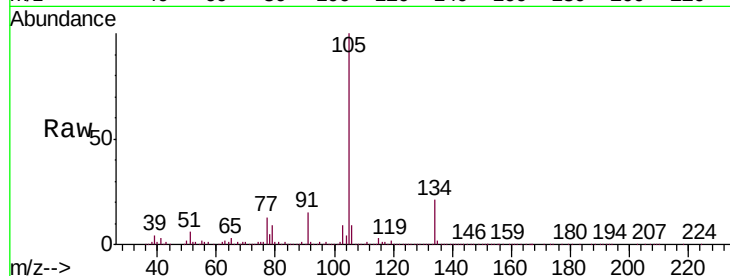
VSTDCCC050EC

Tgt Ion:105 Resp: 1427003

Ion Ratio Lower Upper

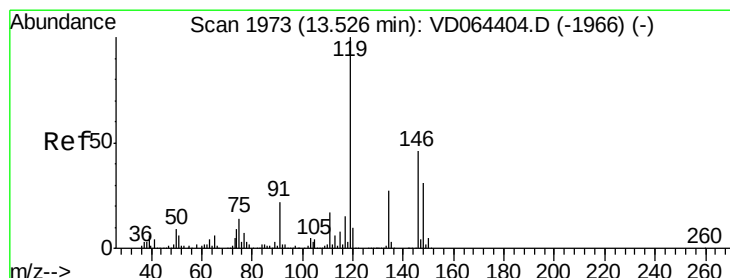
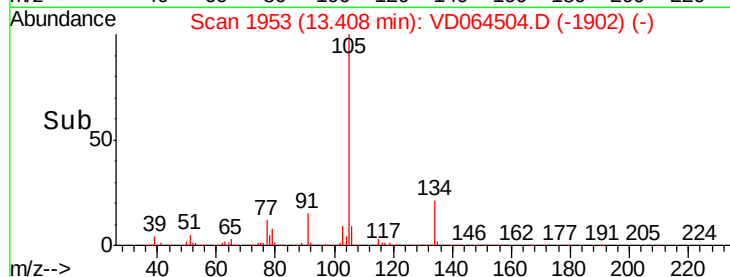
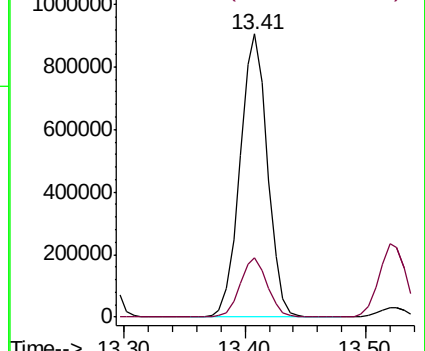
105 100

134 20.8 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.017 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

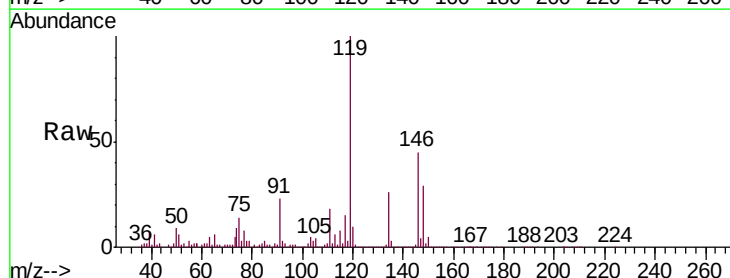
Tgt Ion:119 Resp: 1352618

Ion Ratio Lower Upper

119 100

134 27.5 13.5 40.4

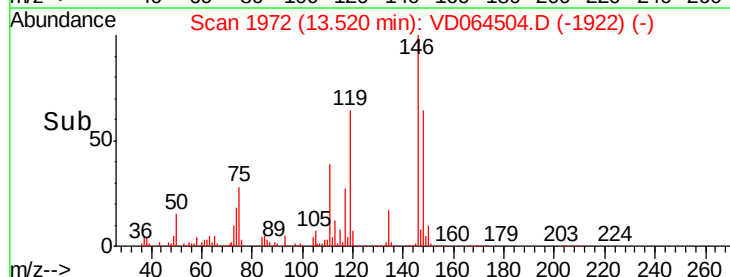
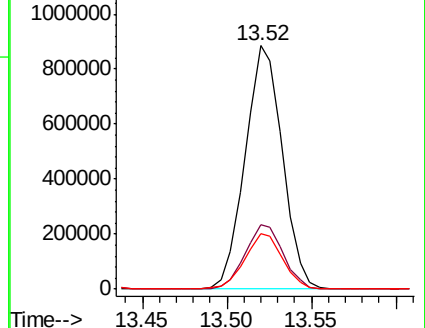
91 22.7 11.2 33.5

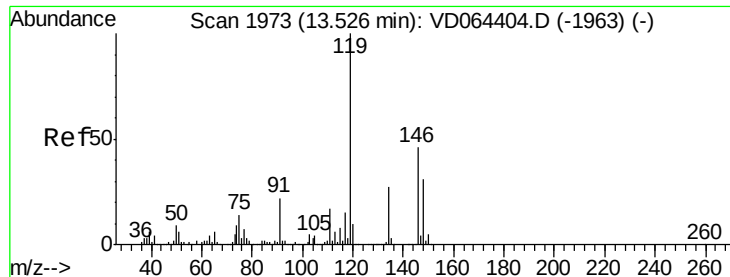


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

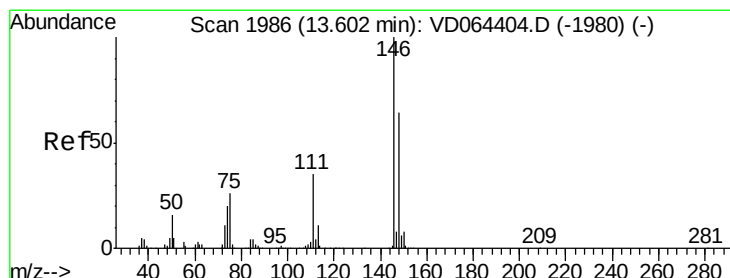
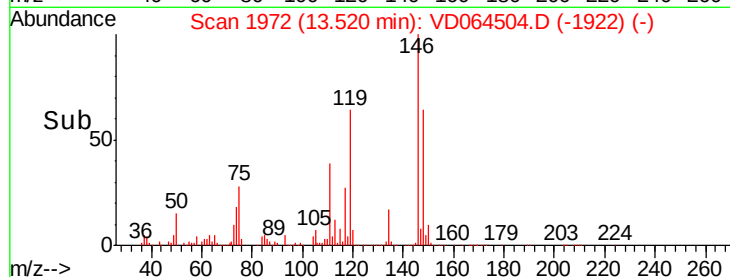
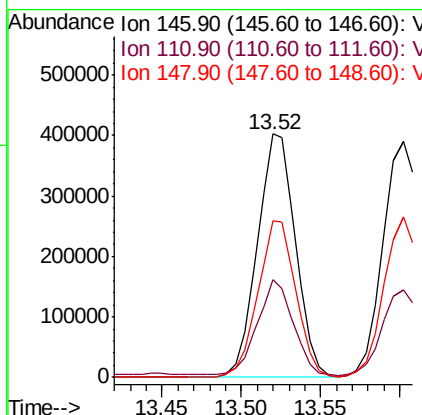
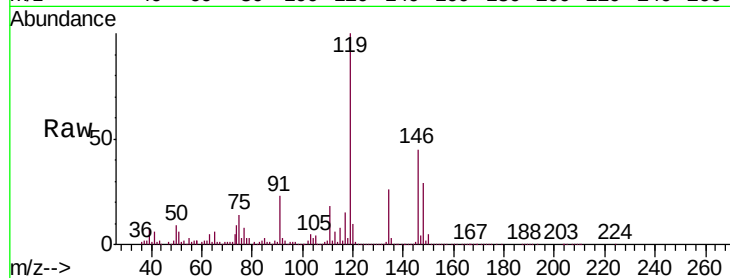




#87
 1,3-Dichlorobenzene
 Concen: 49.855 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064504.D
 Acq: 11 Dec 2019 17:18

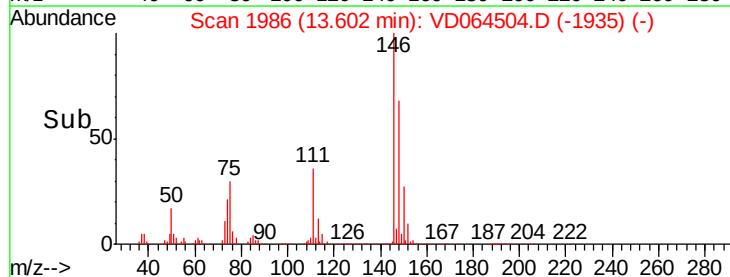
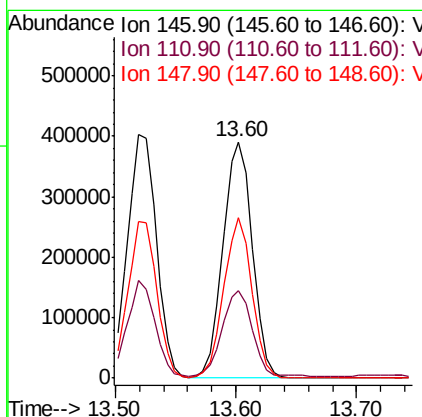
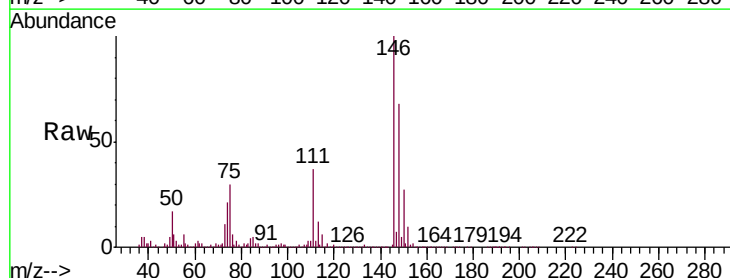
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

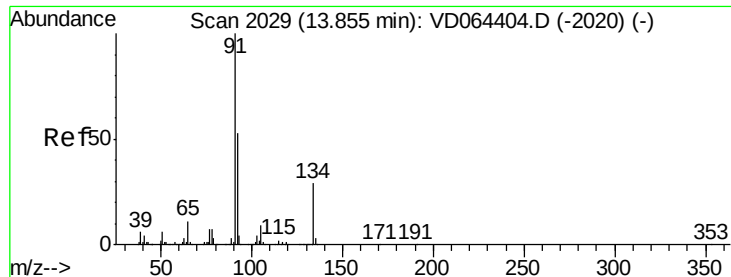
Tgt Ion:146 Resp: 672992
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.8 56.4
 148 64.1 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 49.496 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064504.D
 Acq: 11 Dec 2019 17:18

Tgt Ion:146 Resp: 659649
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.2 54.6
 148 64.9 31.8 95.4

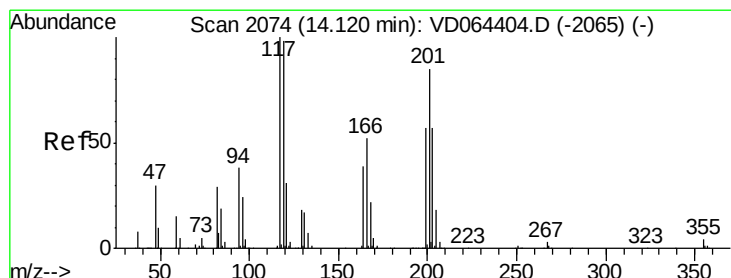
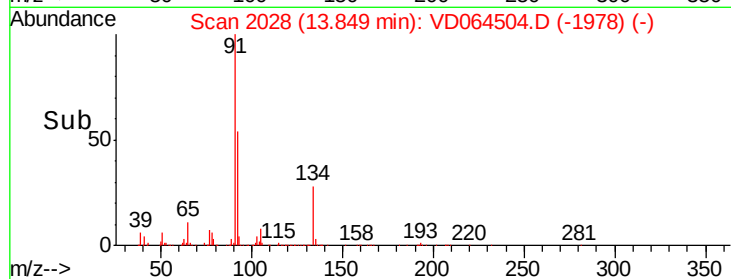
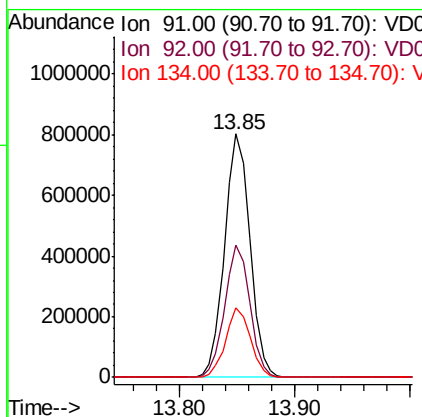
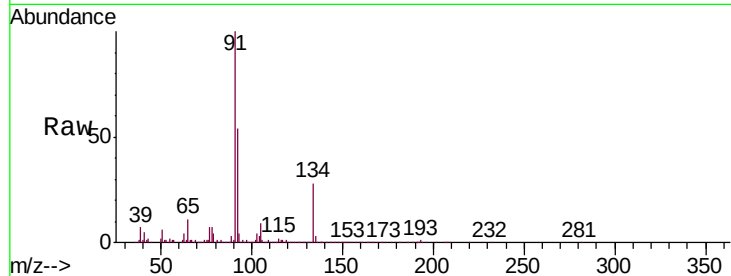




#89
n-Butylbenzene
Concen: 50.678 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

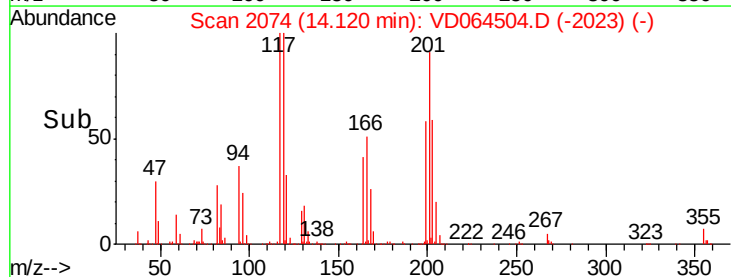
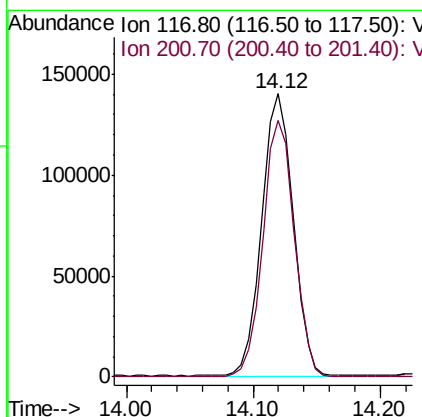
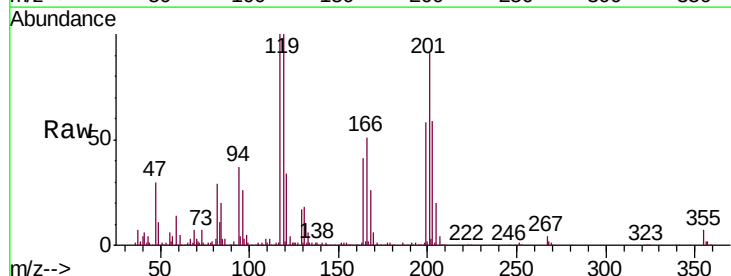
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

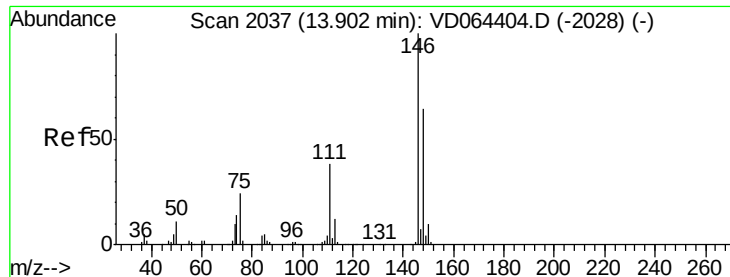
Tgt Ion: 91 Resp: 1220179
Ion Ratio Lower Upper
91 100
92 53.8 26.5 79.4
134 27.9 13.9 41.7



#90
Hexachloroethane
Concen: 48.538 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064504.D
Acq: 11 Dec 2019 17:18

Tgt Ion: 117 Resp: 240698
Ion Ratio Lower Upper
117 100
201 90.5 44.3 132.8

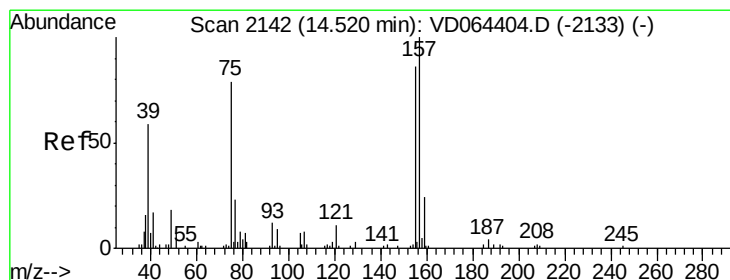
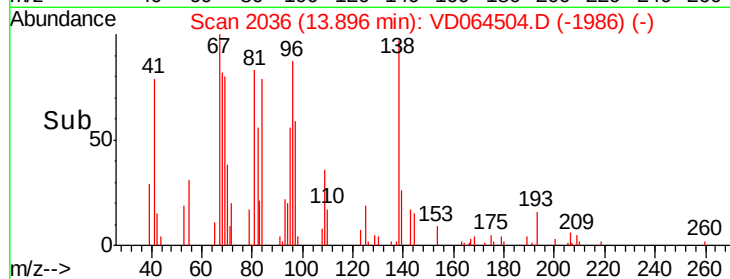
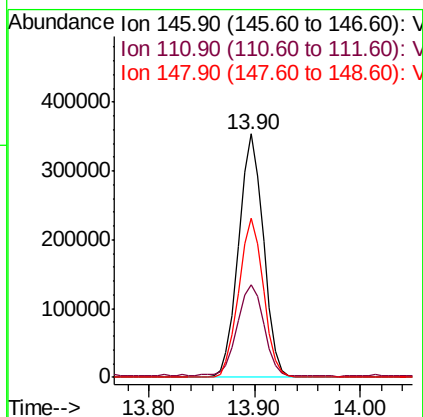
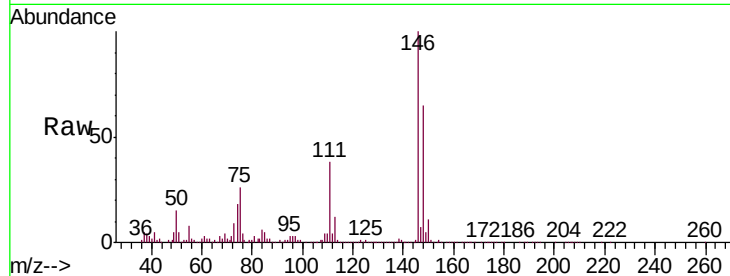




#91
 1,2-Dichlorobenzene
 Concen: 49.910 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064504.D
 Acq: 11 Dec 2019 17:18

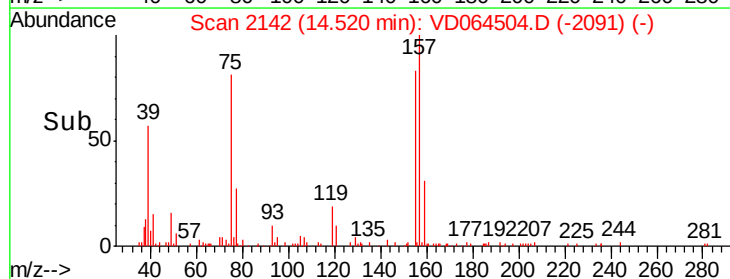
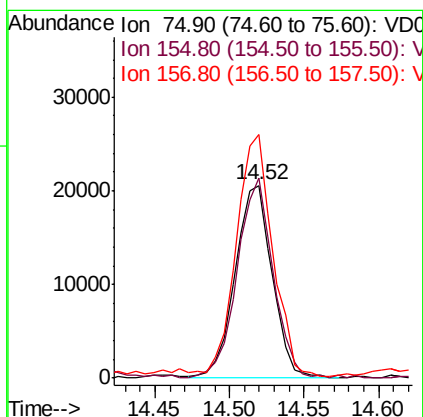
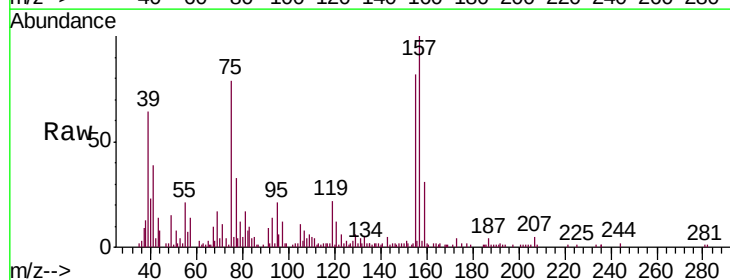
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

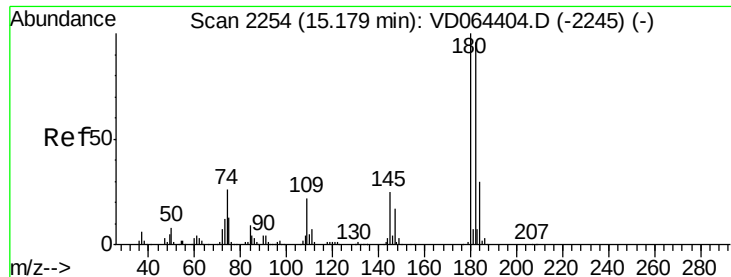
Tgt Ion:146 Resp: 575787
 Ion Ratio Lower Upper
 146 100
 111 40.6 19.1 57.3
 148 64.9 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.005 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064504.D
 Acq: 11 Dec 2019 17:18

Tgt Ion: 75 Resp: 35586
 Ion Ratio Lower Upper
 75 100
 155 99.9 51.9 155.7
 157 123.6 63.2 189.8

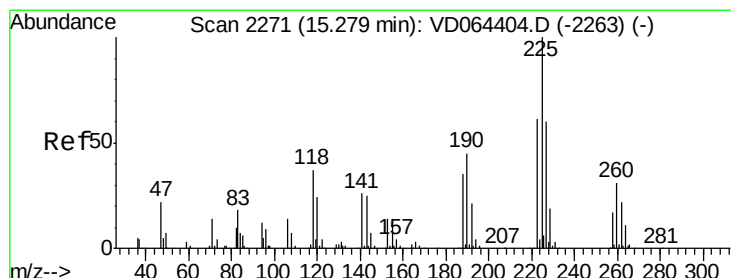
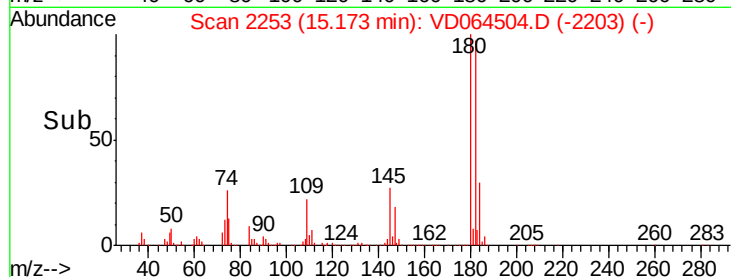
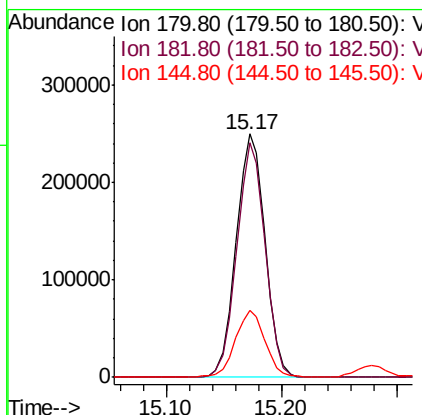
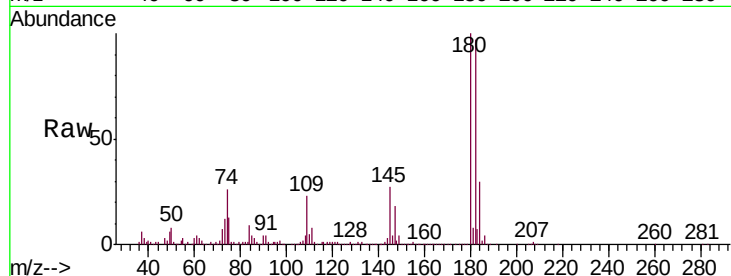




#93
 1,2,4-Trichlorobenzene
 Concen: 48.706 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064504.D
 Acq: 11 Dec 2019 17:18

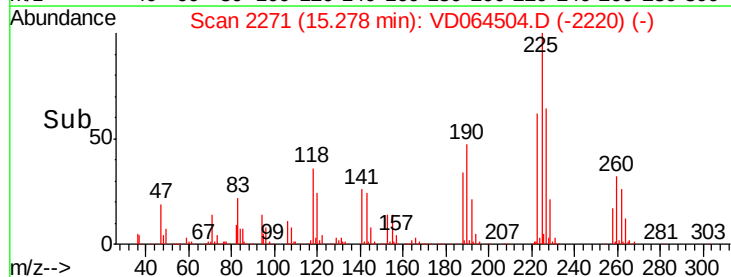
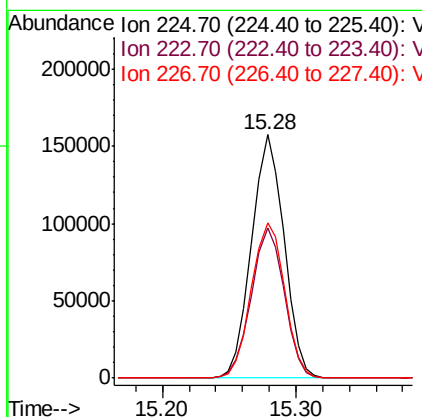
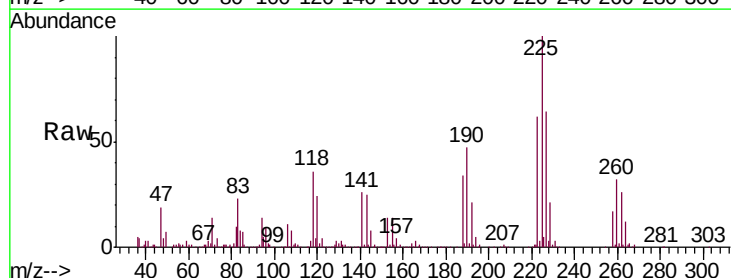
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

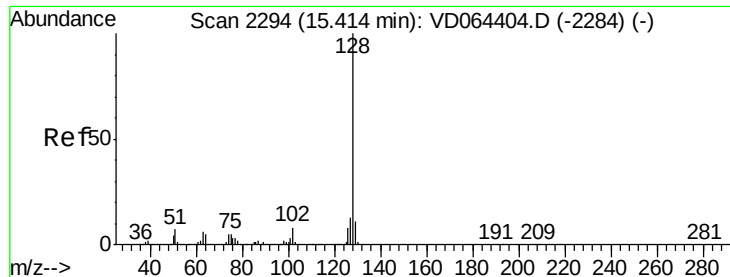
Tgt Ion:180 Resp: 430327
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.4 142.3
 145 28.1 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 48.706 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064504.D
 Acq: 11 Dec 2019 17:18

Tgt Ion:225 Resp: 265655
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.1 93.3
 227 65.5 31.8 95.4





#95

Naphthalene

Concen: 50.042 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

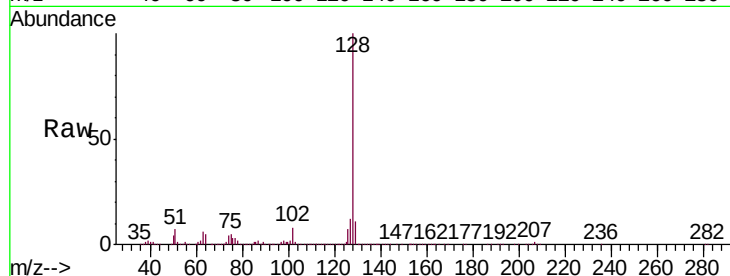
Tgt Ion:128 Resp: 737856

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

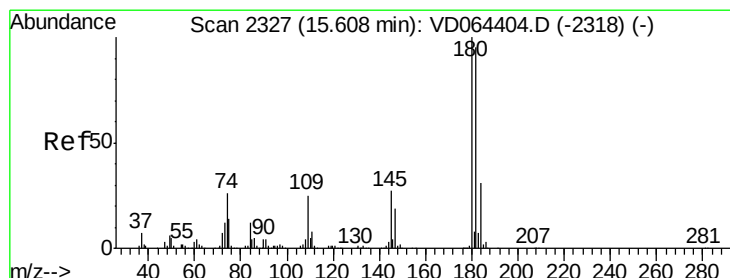
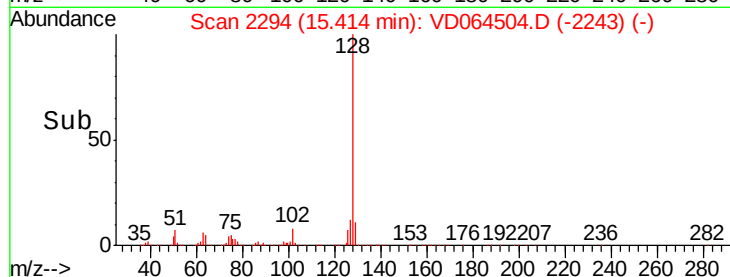
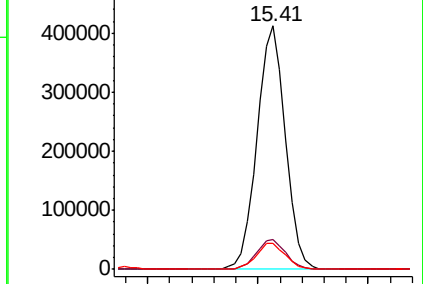
129 11.1 8.8 13.2



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: 47.466 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD064504.D

Acq: 11 Dec 2019 17:18

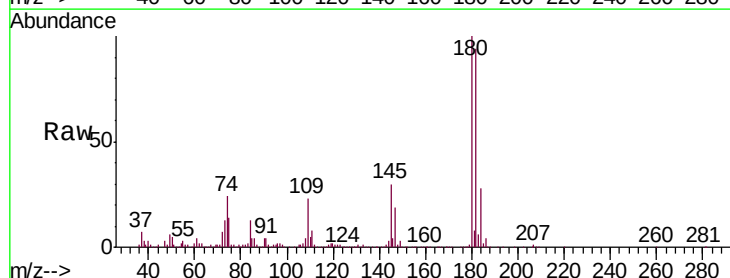
Tgt Ion:180 Resp: 357974

Ion Ratio Lower Upper

180 100

182 94.7 47.6 142.9

145 31.5 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

