

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122319\
 Data File : VD064579.D
 Acq On : 23 Dec 2019 20:21
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.03G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 24 05:56:36 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	389378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	589288	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	522089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	266239	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	196688	55.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.62%	
35) Dibromofluoromethane	7.92	113	195540	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
50) Toluene-d8	10.34	98	745493	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	
62) 4-Bromofluorobenzene	12.64	95	235821	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	149693	42.428	ug/l	100
3) Chloromethane	2.21	50	217352	48.844	ug/l	99
4) Vinyl Chloride	2.35	62	254884	49.608	ug/l	99
5) Bromomethane	2.77	94	188948	49.729	ug/l	99
6) Chloroethane	2.93	64	179375	52.232	ug/l	96
7) Trichlorofluoromethane	3.27	101	430120	50.357	ug/l	98
8) Diethyl Ether	3.71	74	92984	52.388	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	176918	48.308	ug/l	97
10) Methyl Iodide	4.30	142	212803	55.023	ug/l	99
11) Tert butyl alcohol	5.24	59	52695	234.880	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	172488	49.147	ug/l	98
13) Acrolein	3.93	56	71655	234.161	ug/l	100
14) Allyl chloride	4.71	41	280844	51.274	ug/l	99
15) Acrylonitrile	5.43	53	196217	252.807	ug/l	96
16) Acetone	4.17	43	149378	209.736	ug/l	100
17) Carbon Disulfide	4.40	76	565879	50.908	ug/l	99
18) Methyl Acetate	4.73	43	98173	47.256	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	414130	51.441	ug/l	99
20) Methylene Chloride	4.96	84	201824	56.334	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	202864	51.100	ug/l	97
22) Diisopropyl ether	6.37	45	577978	53.453	ug/l	97
23) Vinyl Acetate	6.31	43	1675871	262.901	ug/l	98
24) 1,1-Dichloroethane	6.27	63	346564	53.296	ug/l	98
25) 2-Butanone	7.22	43	236568	234.871	ug/l	99
26) 2,2-Dichloropropane	7.21	77	285704	50.522	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	225584	52.120	ug/l	99
28) Bromochloromethane	7.55	49	135899	61.153	ug/l	99
29) Tetrahydrofuran	7.57	42	155482	242.630	ug/l	98
30) Chloroform	7.71	83	368021	54.647	ug/l	99
31) Cyclohexane	7.98	56	300219	53.172	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	323047	51.740	ug/l	99
36) 1,1-Dichloropropene	8.11	75	273603	49.087	ug/l	99
37) Ethyl Acetate	7.30	43	118908	50.276	ug/l	98
38) Carbon Tetrachloride	8.10	117	297632	50.594	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	325534	47.083	ug/l	98
40) Benzene	8.36	78	790976	51.094	ug/l	100
41) Methacrylonitrile	7.53	41	64201	47.334	ug/l	91
42) 1,2-Dichloroethane	8.43	62	228622	50.640	ug/l	99
43) Isopropyl Acetate	8.46	43	226769	48.765	ug/l	99
44) Trichloroethene	9.11	130	224846	48.216	ug/l	100
45) 1,2-Dichloropropane	9.39	63	191475	51.717	ug/l	99
46) Dibromomethane	9.47	93	107697	51.539	ug/l	97
47) Bromodichloromethane	9.66	83	282172	52.554	ug/l	97
48) Methyl methacrylate	9.46	41	103641	48.705	ug/l	95
49) 1,4-Dioxane	9.47	88	24133	935.251	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	555279	241.332	ug/l	99
52) Toluene	10.40	92	514704	51.016	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	263293	51.454	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	314121	51.674	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	140668	49.162	ug/l	96
56) Ethyl methacrylate	10.66	69	182990	50.142	ug/l	98
57) 1,3-Dichloropropane	10.95	76	246289	50.566	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	296441	203.769	ug/l	100
59) 2-Hexanone	10.98	43	371712	232.819	ug/l	98
60) Dibromochloromethane	11.14	129	193665	49.920	ug/l	97
61) 1,2-Dibromoethane	11.25	107	138727	48.559	ug/l	99
64) Tetrachloroethene	10.88	164	191183	48.020	ug/l	96
65) Chlorobenzene	11.67	112	555670	51.030	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	209216	51.902	ug/l	99
67) Ethyl Benzene	11.74	91	991608	51.182	ug/l	96
68) m/p-Xylenes	11.86	106	763270	103.324	ug/l	99
69) o-Xylene	12.18	106	352867	51.721	ug/l	100
70) Styrene	12.20	104	624556	52.679	ug/l	99
71) Bromoform	12.36	173	119860	49.700	ug/l #	98
73) Isopropylbenzene	12.48	105	929545	48.545	ug/l	100
74) N-amyl acetate	12.29	43	208492	47.974	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	149804	47.309	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	196654	89.818	ug/l #	100
77) Bromobenzene	12.77	156	231761	49.013	ug/l	99
78) n-propylbenzene	12.83	91	1084724	49.097	ug/l	99
79) 2-Chlorotoluene	12.91	91	597002	49.109	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	777036	49.658	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	49106	48.905	ug/l	97
82) 4-Chlorotoluene	13.01	91	639021	49.647	ug/l	100
83) tert-Butylbenzene	13.23	119	669188	49.191	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	775614	49.294	ug/l	98
85) sec-Butylbenzene	13.41	105	900097	48.208	ug/l	100
86) p-Isopropyltoluene	13.53	119	875020	49.641	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	447261	49.835	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	438835	49.526	ug/l	100
89) n-Butylbenzene	13.85	91	771500	48.196	ug/l	99
90) Hexachloroethane	14.12	117	160598	48.711	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	378182	49.307	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	23774	50.271	ug/l	95

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

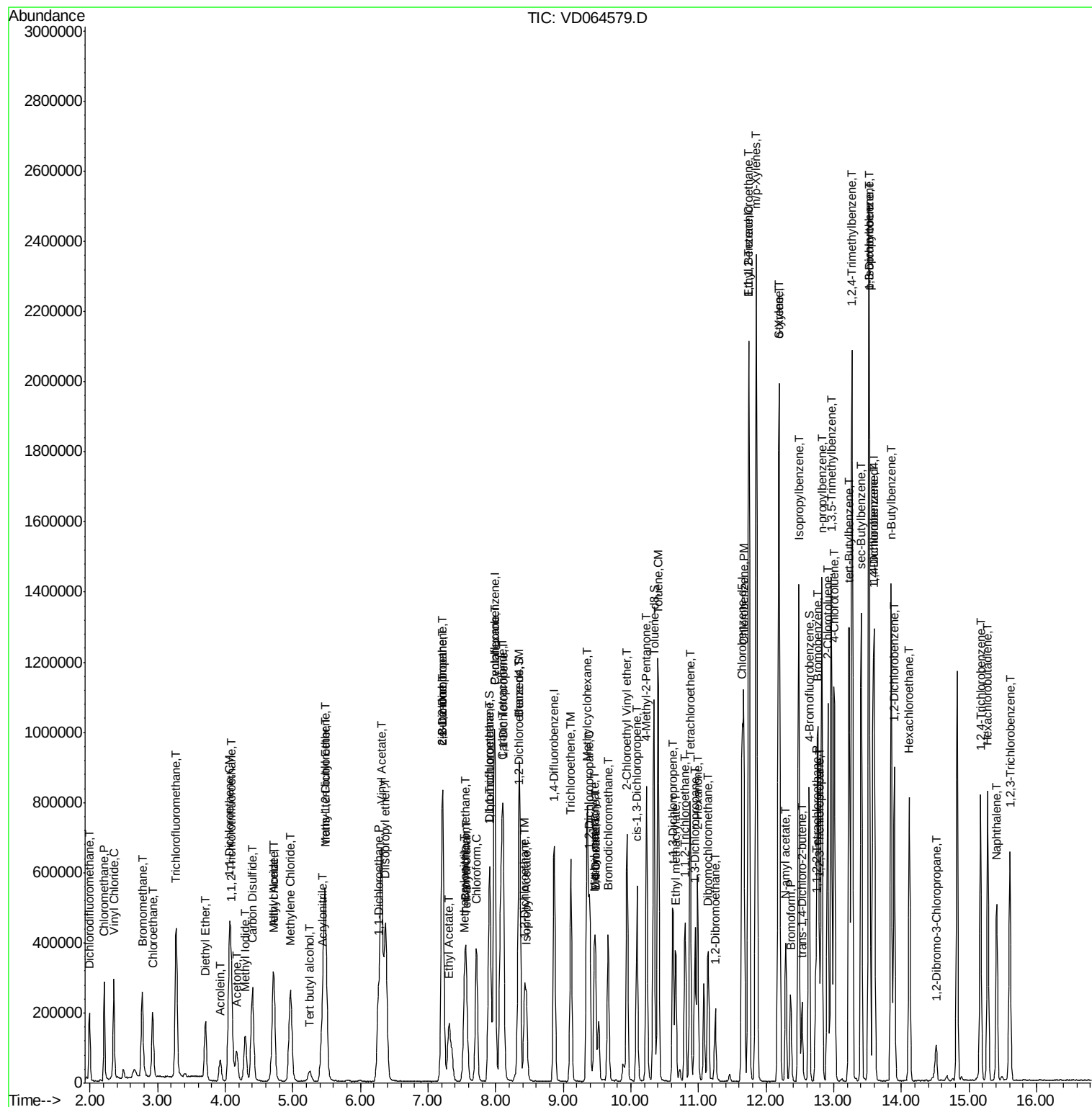
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	278451	47.404	ug/l	99
94) Hexachlorobutadiene	15.28	225	164472	45.356	ug/l	99
95) Naphthalene	15.41	128	442484	45.137	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	235679	47.003	ug/l	99

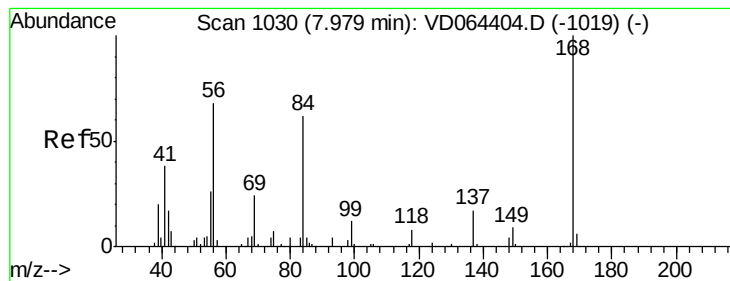
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

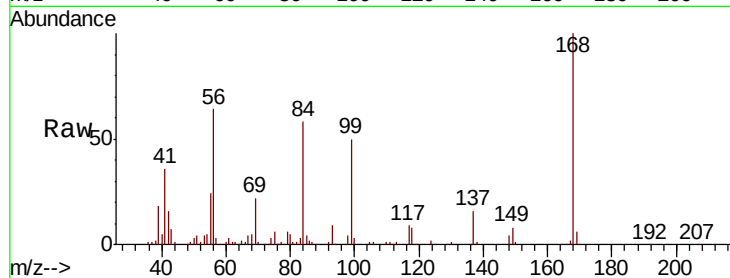
VSTDCCC050EC

Tot Ion:168 Resp: 389378

Ion Ratio Lower Upper

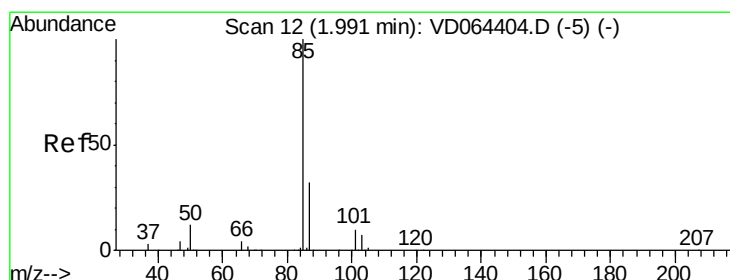
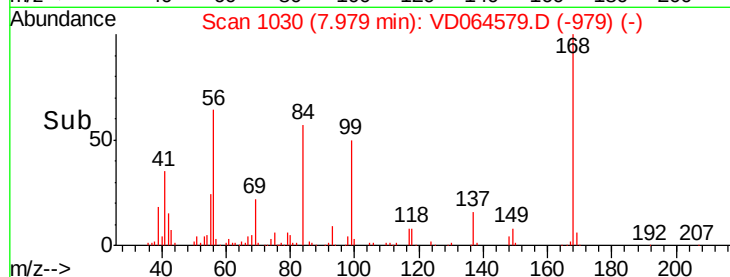
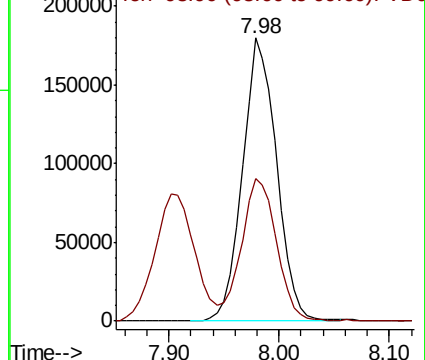
168 100

99 50.1 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 42.428 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064579.D

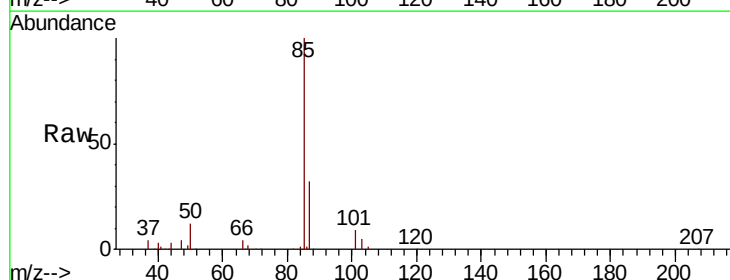
Acq: 23 Dec 2019 20:21

Tgt Ion: 85 Resp: 149693

Ion Ratio Lower Upper

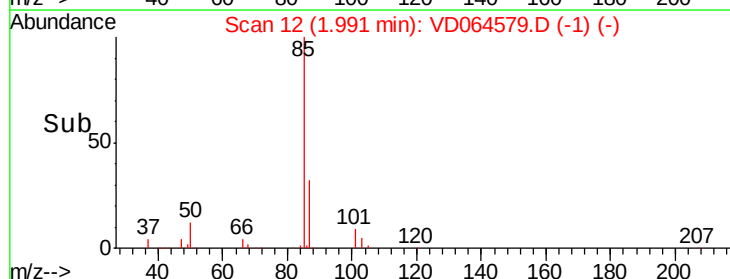
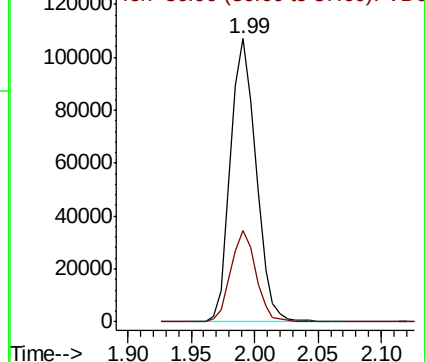
85 100

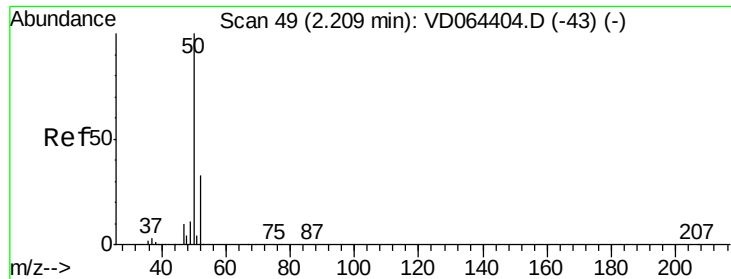
87 32.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.844 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

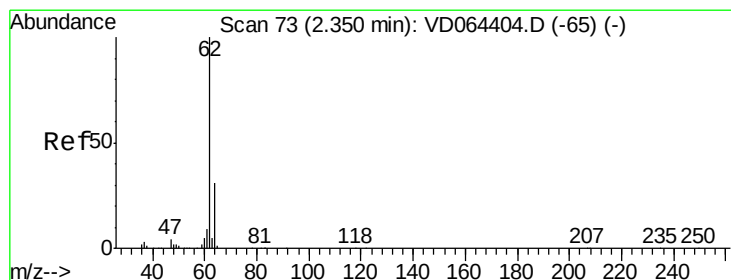
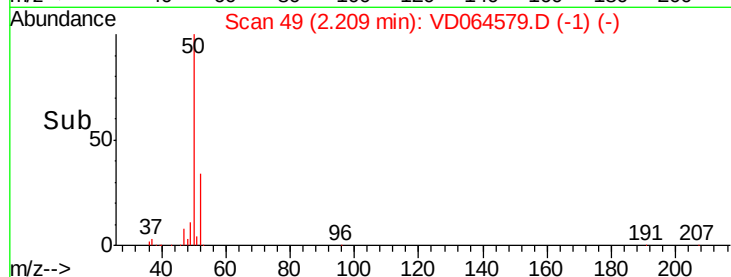
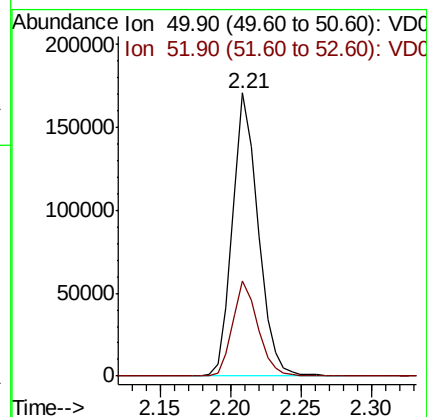
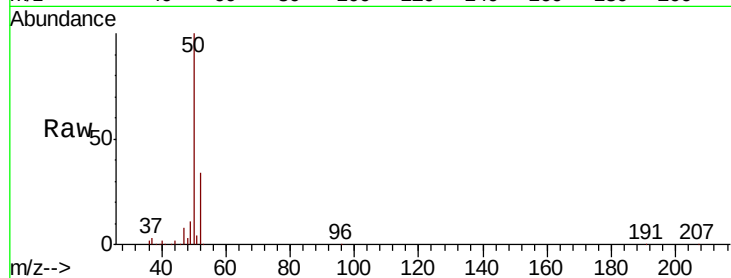
VSTDCCC050EC

Tot Ion: 50 Resp: 217352

Ion Ratio Lower Upper

50 100

52 33.9 26.7 40.1



#4

Vinyl Chloride

Concen: 49.608 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064579.D

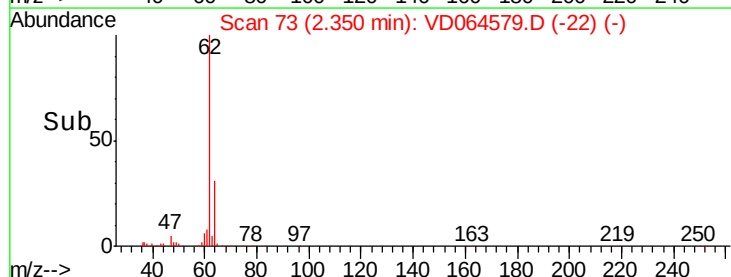
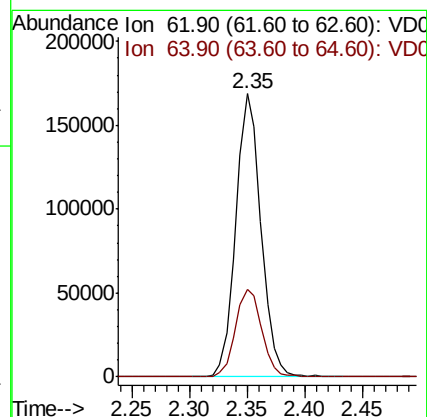
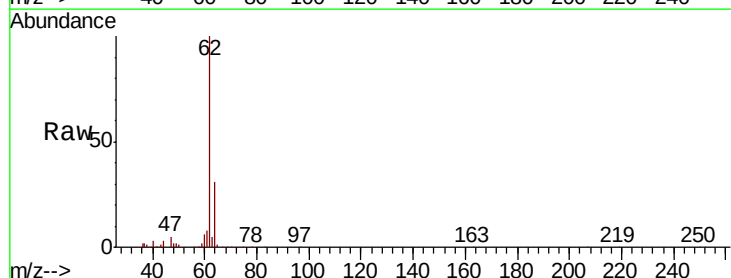
Acq: 23 Dec 2019 20:21

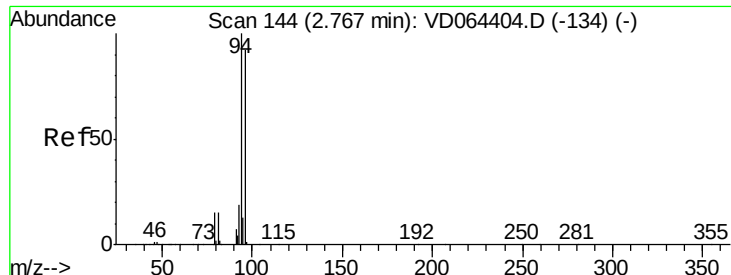
Tgt Ion: 62 Resp: 254884

Ion Ratio Lower Upper

62 100

64 30.7 25.0 37.4





#5

Bromomethane

Concen: 49.729 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

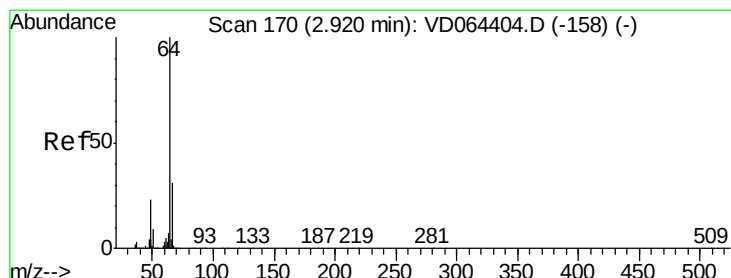
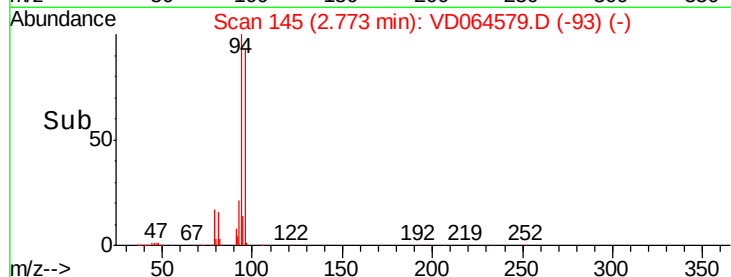
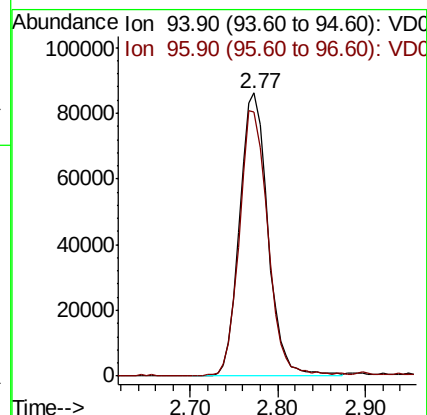
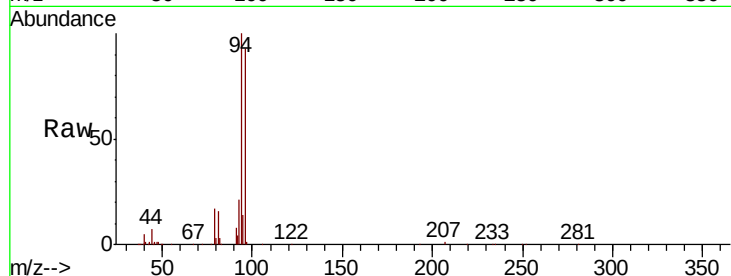
VSTDCCC050EC

Tot Ion: 94 Resp: 188948

Ion Ratio Lower Upper

94 100

96 93.1 73.6 110.4



#6

Chloroethane

Concen: 52.232 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064579.D

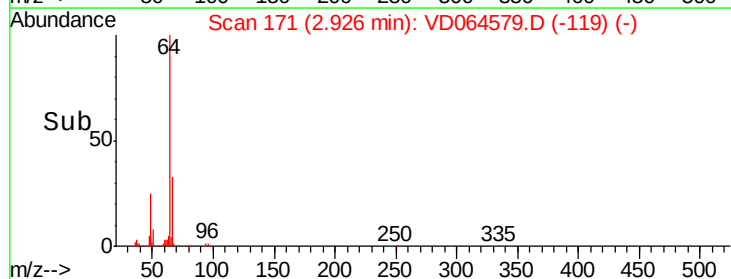
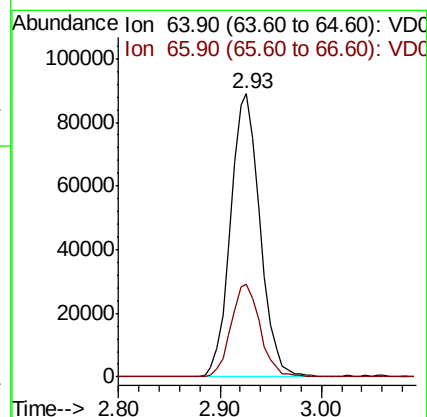
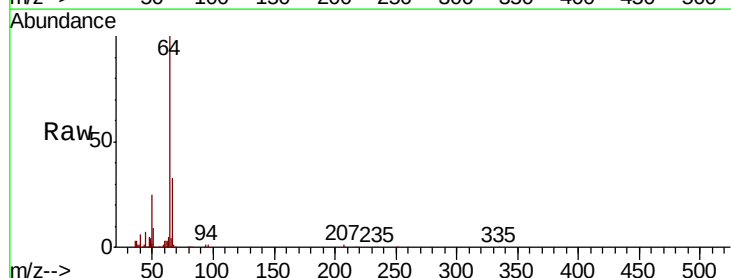
Acq: 23 Dec 2019 20:21

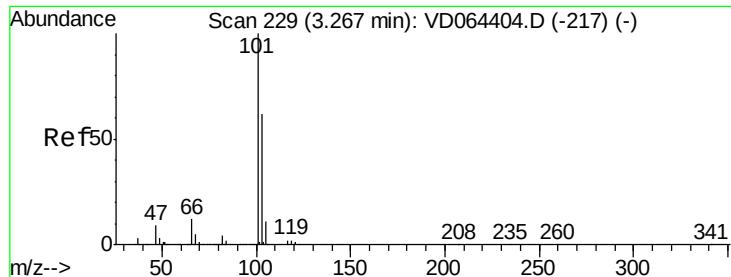
Tgt Ion: 64 Resp: 179375

Ion Ratio Lower Upper

64 100

66 32.8 24.6 37.0



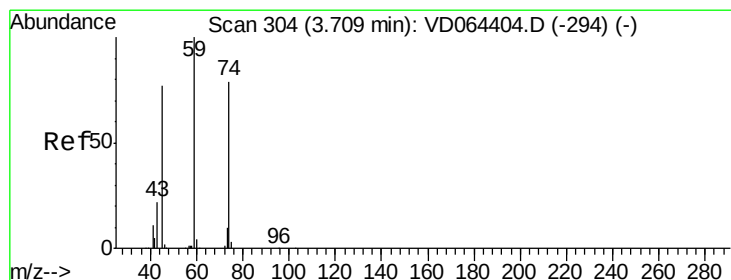
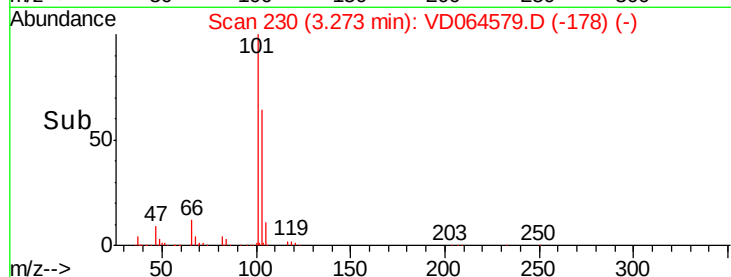
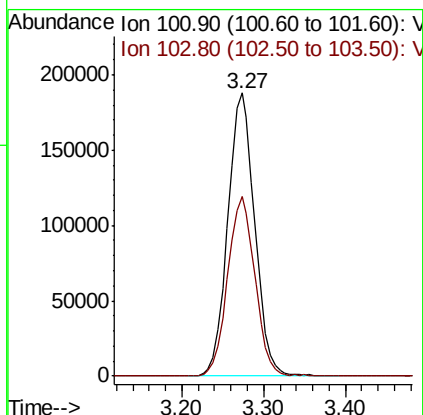
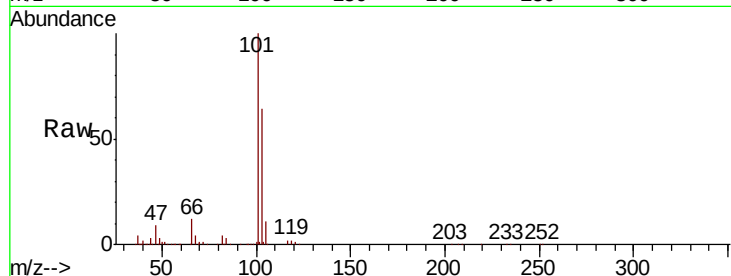


#7

Trichlorofluoromethane
Concen: 50.357 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

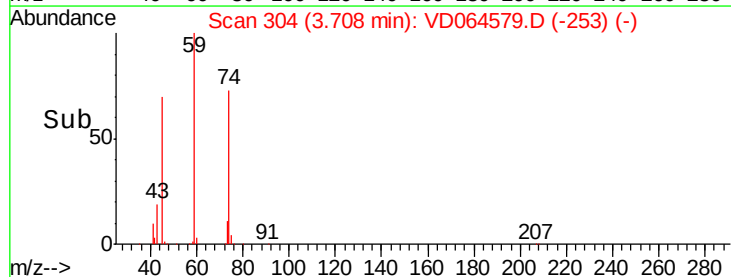
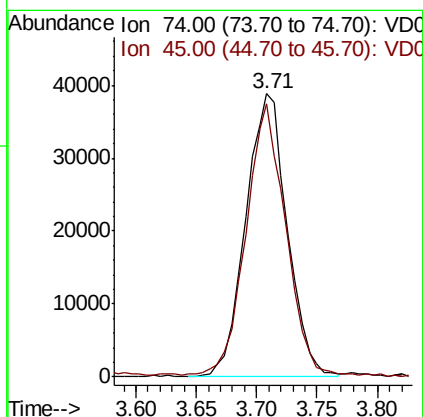
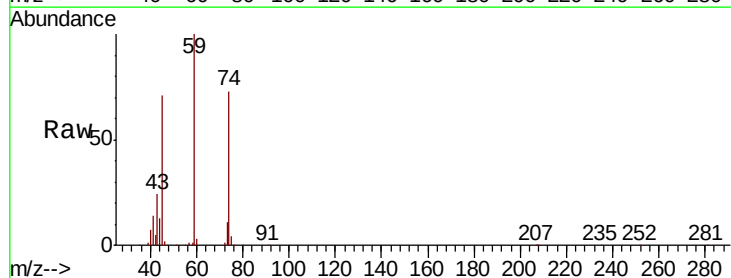
Tot Ion:101 Resp: 430120
Ion Ratio Lower Upper
101 100
103 63.5 49.8 74.6

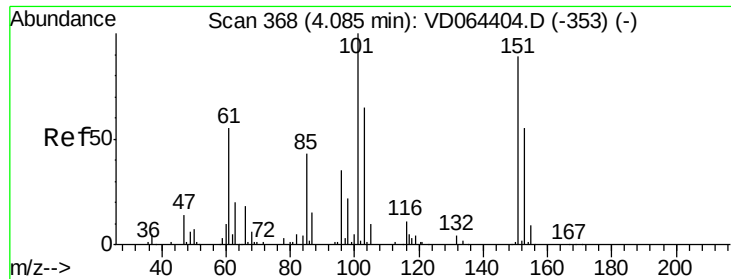


#8

Diethyl Ether
Concen: 52.388 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Tgt Ion: 74 Resp: 92984
Ion Ratio Lower Upper
74 100
45 91.2 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.308 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

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VSTDCCC050EC

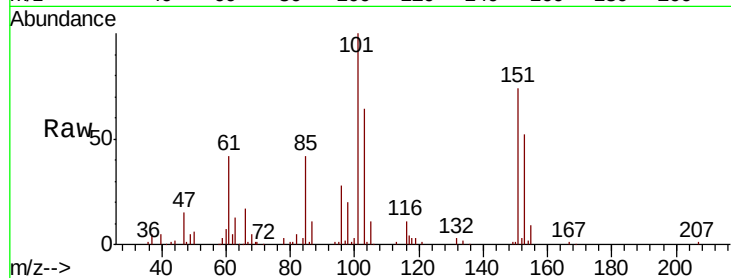
Tot Ion:101 Resp: 176918

Ion Ratio Lower Upper

101 100

85 44.6 34.8 52.2

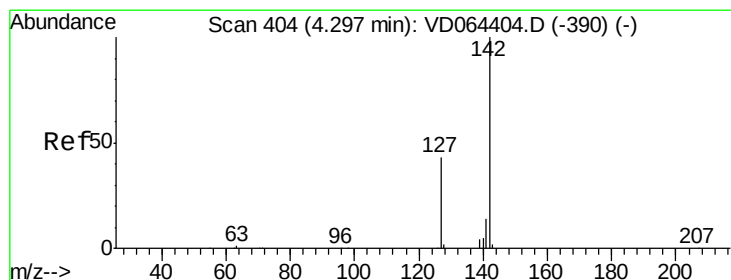
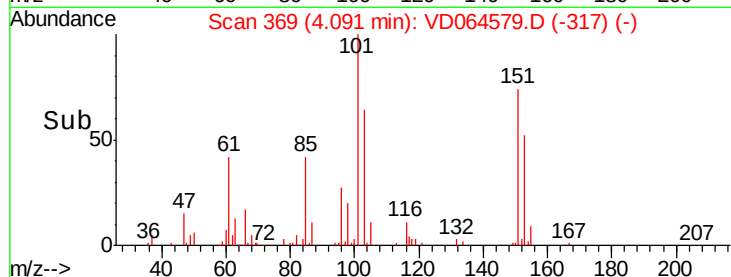
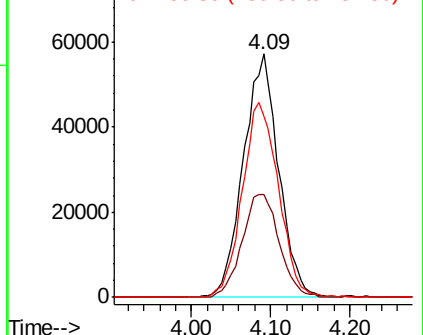
151 82.0 68.8 103.2



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: 55.023 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

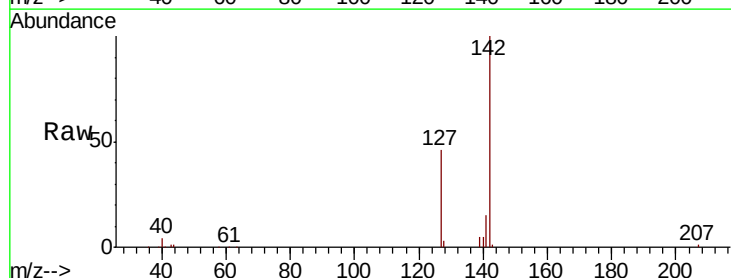
Tgt Ion:142 Resp: 212803

Ion Ratio Lower Upper

142 100

127 45.0 35.3 52.9

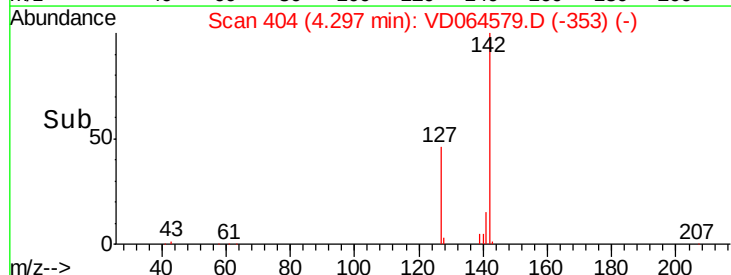
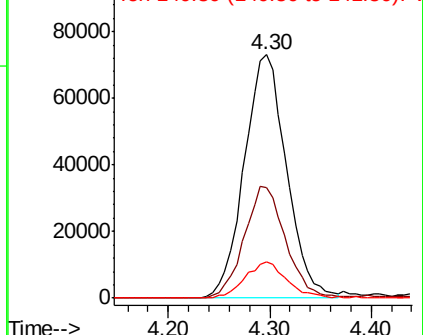
141 14.6 11.6 17.4

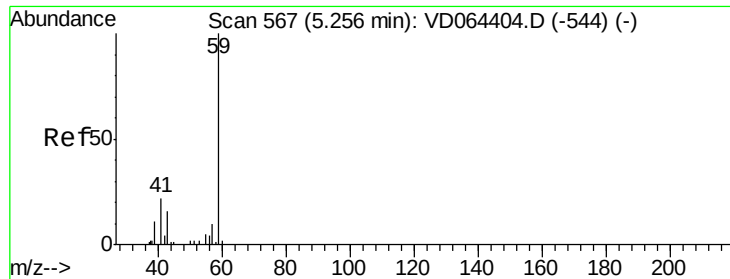


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



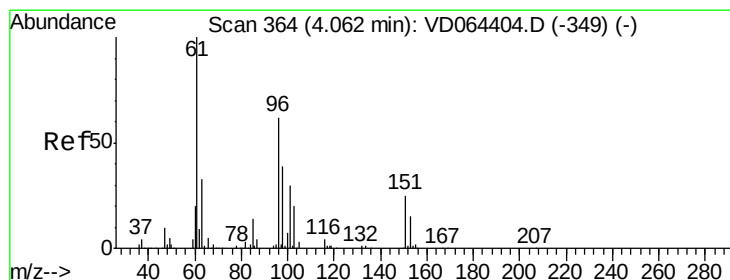
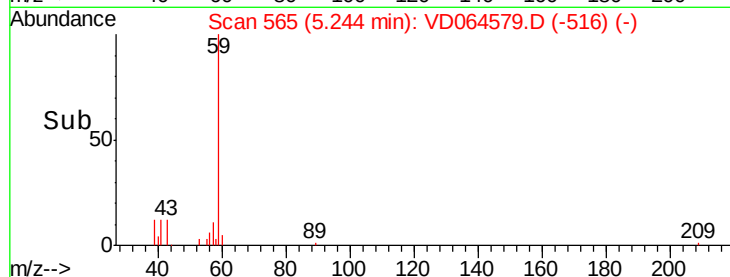
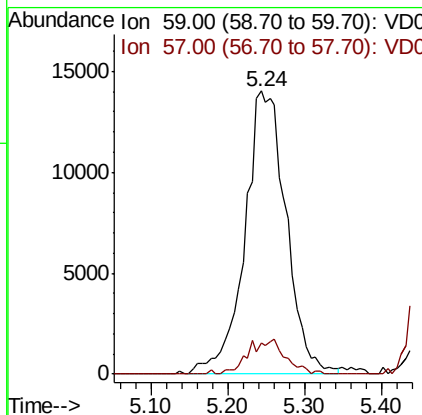
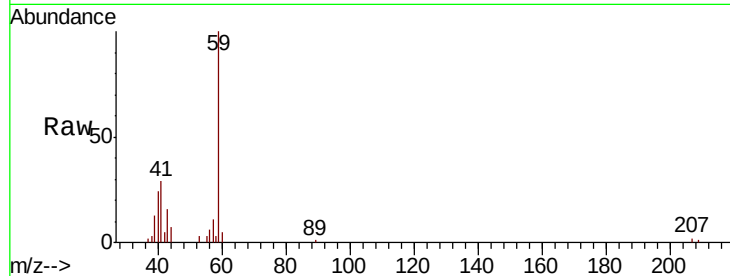


#11

Tert butyl alcohol
 Concen: 234.880 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

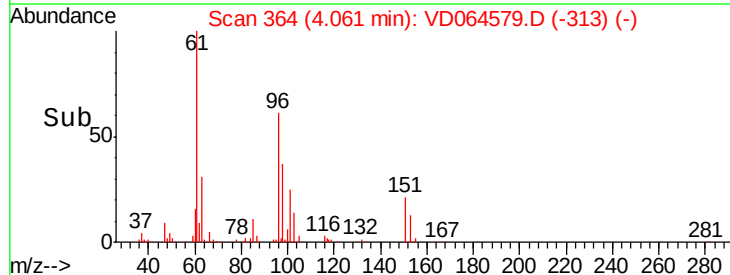
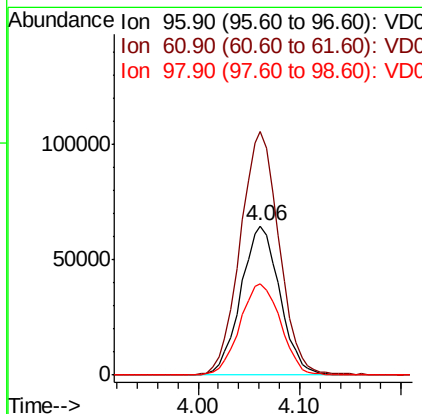
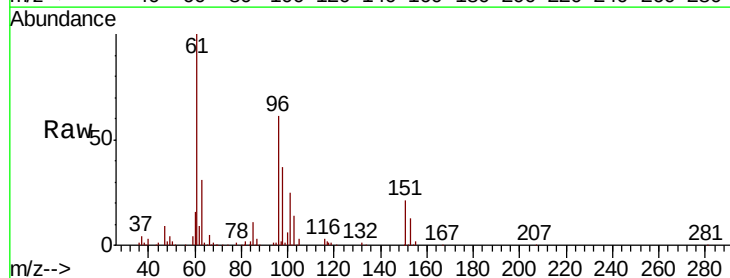
Tot Ion: 59 Resp: 52695
 Ion Ratio Lower Upper
 59 100
 57 11.0 0.0 0.0#

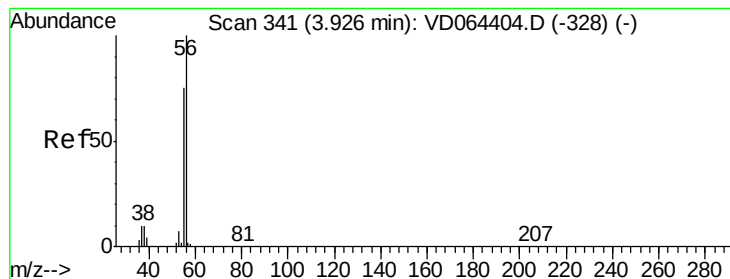


#12

1,1-Dichloroethene
 Concen: 49.147 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Tgt Ion: 96 Resp: 172488
 Ion Ratio Lower Upper
 96 100
 61 163.4 128.2 192.4
 98 61.1 50.4 75.6





#13

Acrolein

Concen: 234.161 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

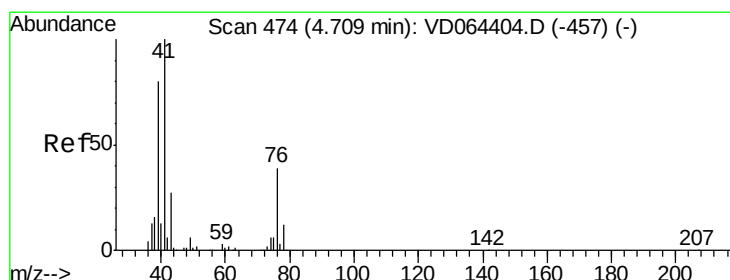
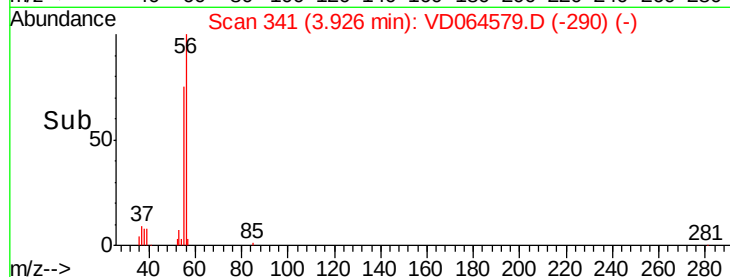
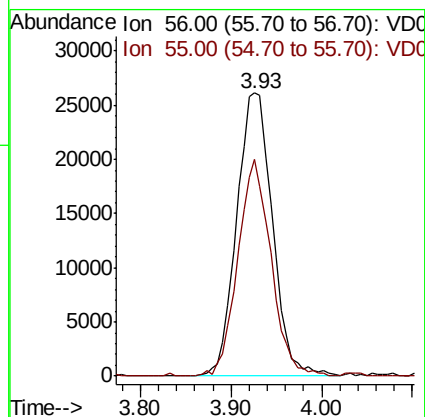
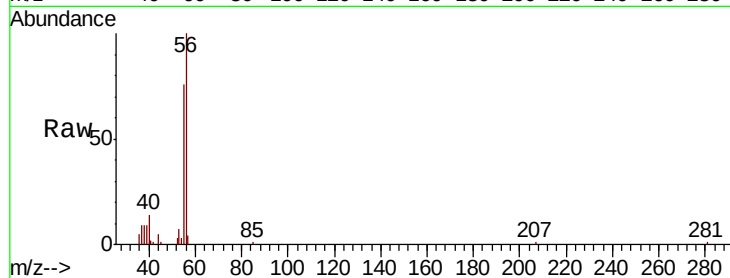
VSTDCCC050EC

Tot Ion: 56 Resp: 71655

Ion Ratio Lower Upper

56 100

55 71.2 56.9 85.3



#14

Allyl chloride

Concen: 51.274 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

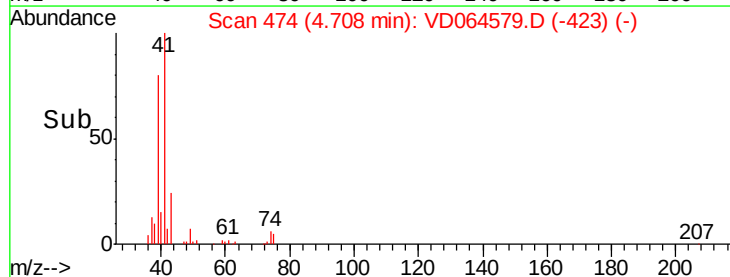
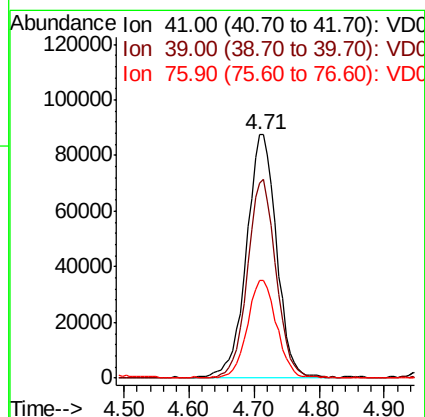
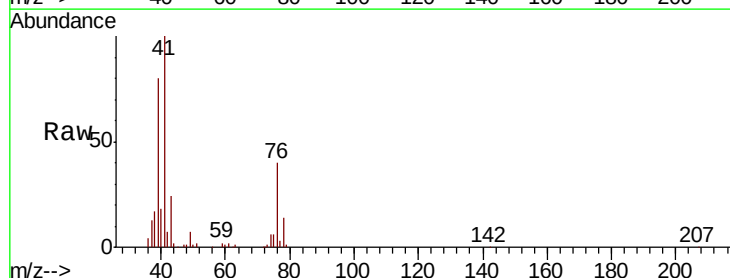
Tgt Ion: 41 Resp: 280844

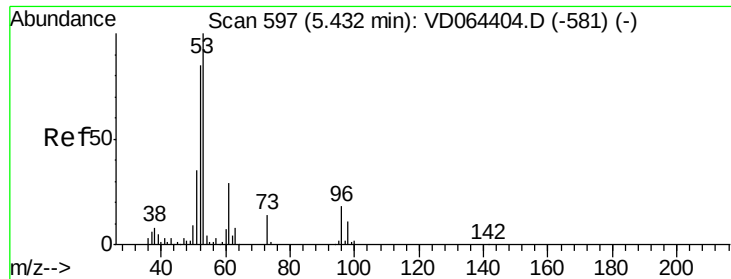
Ion Ratio Lower Upper

41 100

39 77.6 62.1 93.1

76 38.5 29.8 44.8





#15

Acrylonitrile

Concen: 252.807 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

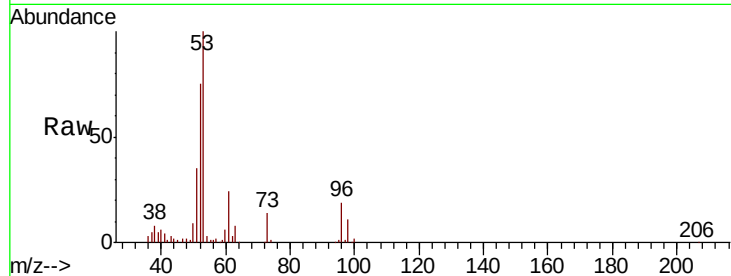
Tot Ion: 53 Resp: 196217

Ion Ratio Lower Upper

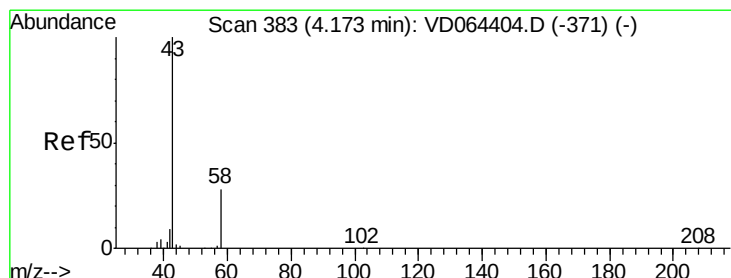
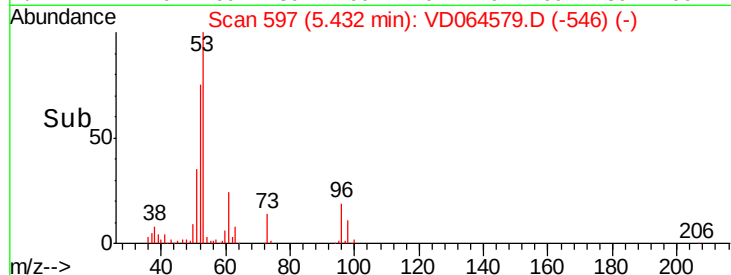
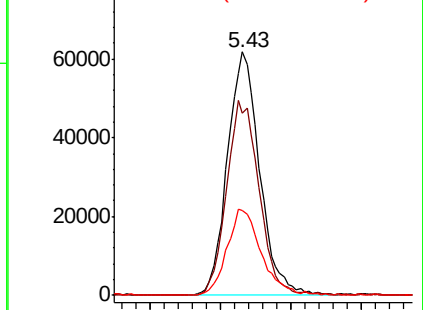
53 100

52 80.2 67.9 101.9

51 37.2 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: 209.736 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064579.D

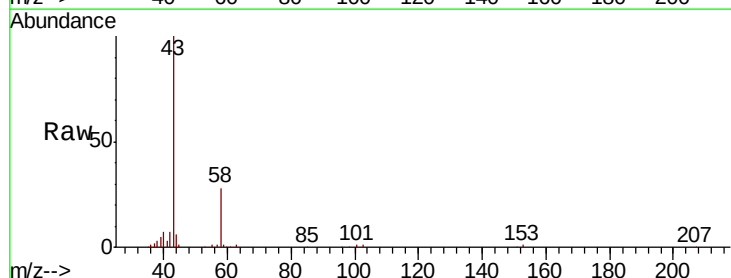
Acq: 23 Dec 2019 20:21

Tgt Ion: 43 Resp: 149378

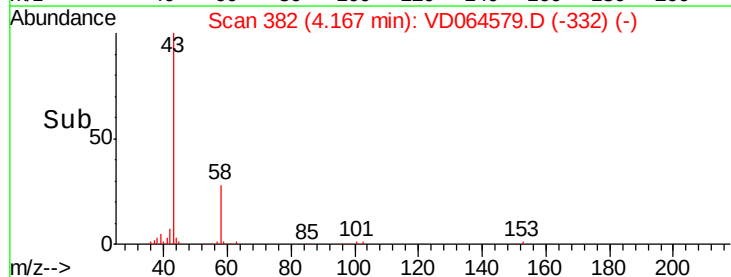
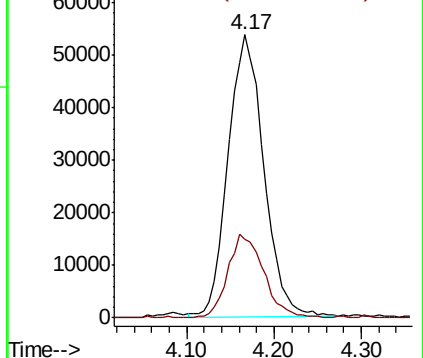
Ion Ratio Lower Upper

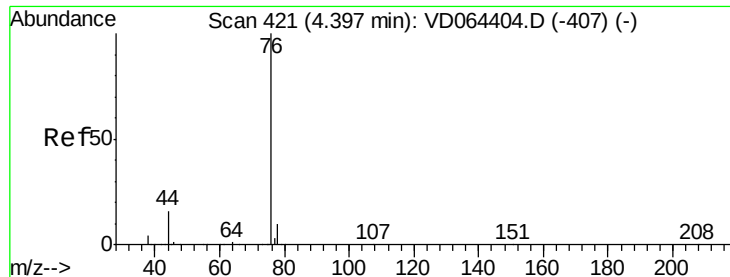
43 100

58 28.1 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: 50.908 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

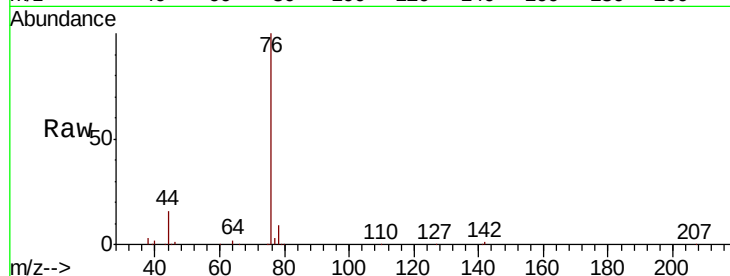
VSTDCCC050EC

Tot Ion: 76 Resp: 565879

Ion Ratio Lower Upper

76 100

78 9.3 7.8 11.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

200000

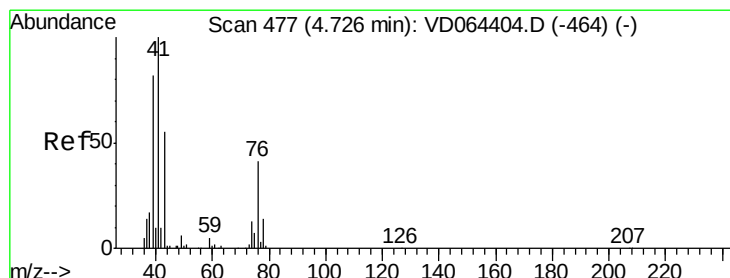
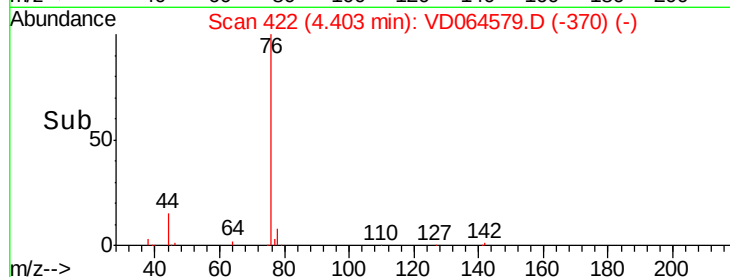
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.256 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD064579.D

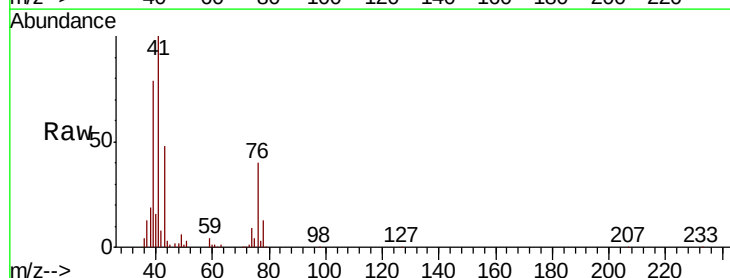
Acq: 23 Dec 2019 20:21

Tgt Ion: 43 Resp: 98173

Ion Ratio Lower Upper

43 100

74 23.3 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

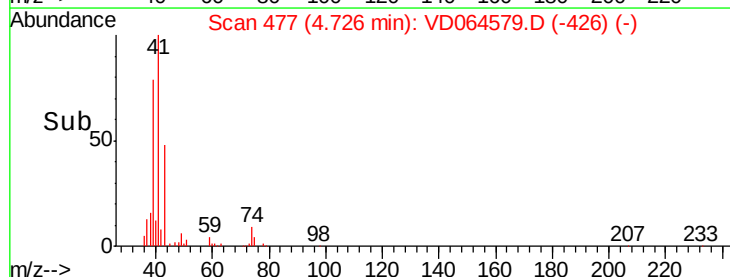
30000

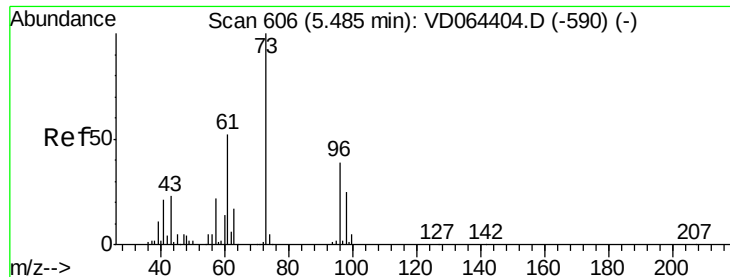
20000

10000

0

Time-->

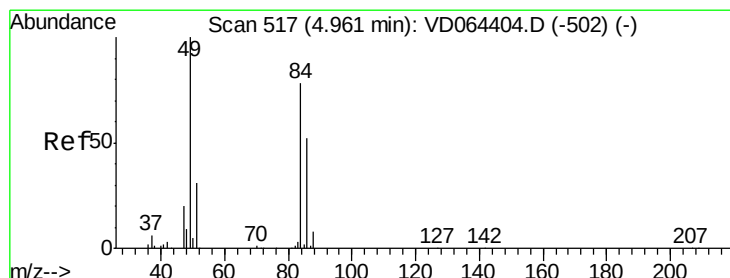
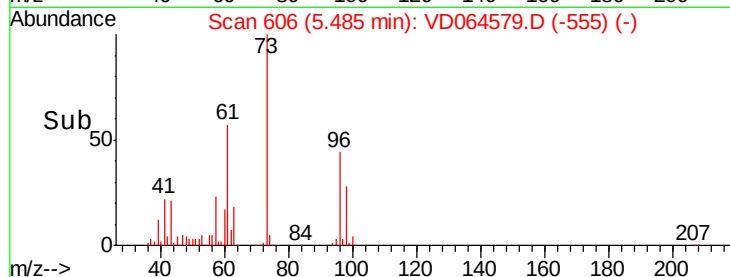
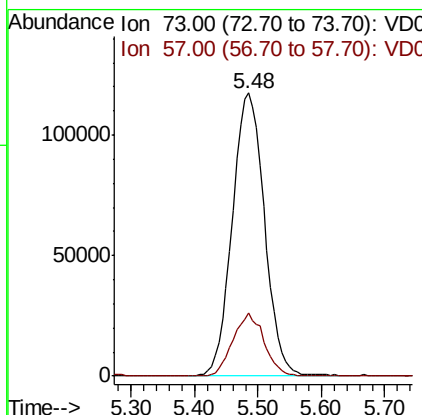
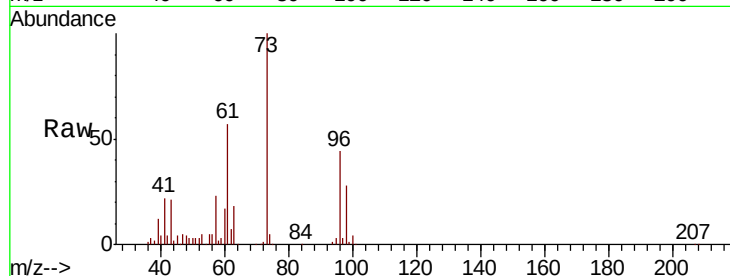




#19
Methyl tert-butyl Ether
Concen: 51.441 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

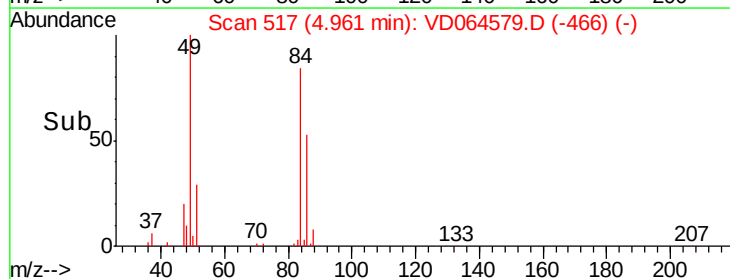
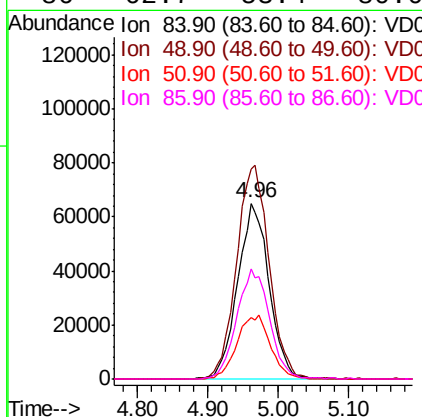
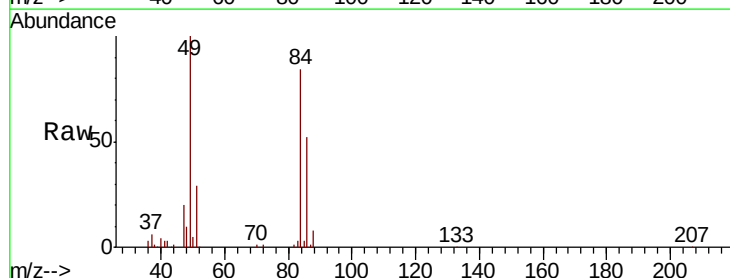
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

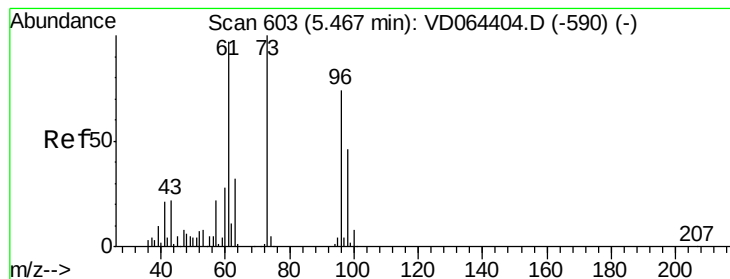
Tot Ion: 73 Resp: 414130
Ion Ratio Lower Upper
73 100
57 22.6 17.6 26.4



#20
Methylene Chloride
Concen: 56.334 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Tgt Ion: 84 Resp: 201824
Ion Ratio Lower Upper
84 100
49 119.6 102.6 153.8
51 35.0 32.0 48.0
86 62.7 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 51.100 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

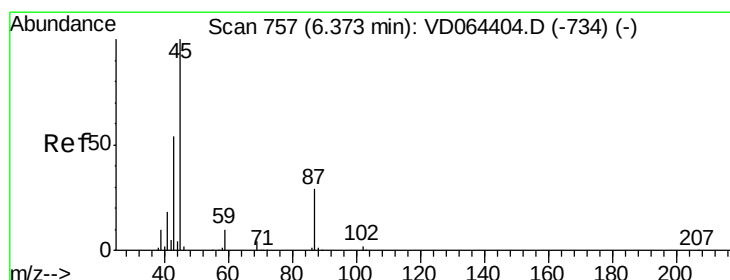
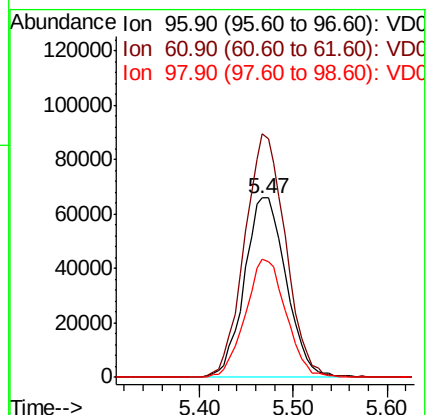
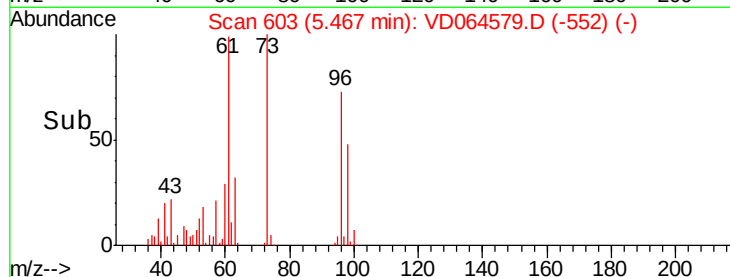
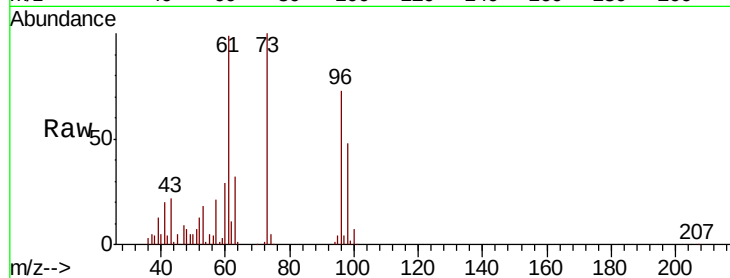
Tot Ion: 96 Resp: 202864

Ion Ratio Lower Upper

96 100

61 135.8 105.8 158.6

98 65.8 50.1 75.1



#22

Diisopropyl ether

Concen: 53.453 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Tgt Ion: 45 Resp: 577978

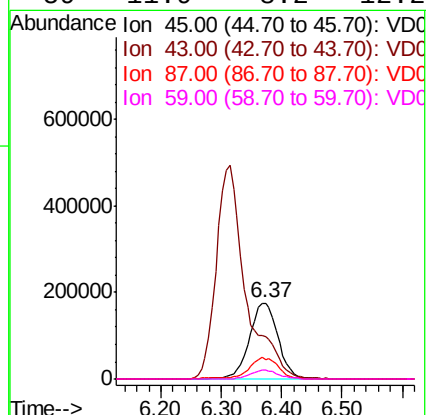
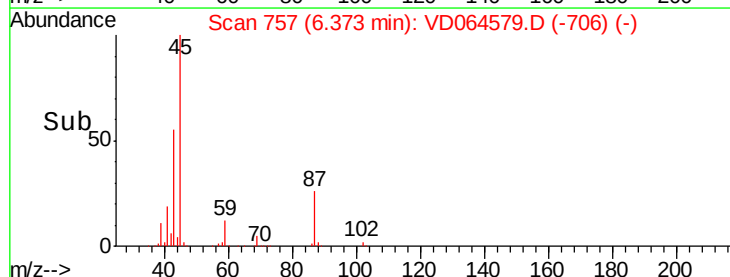
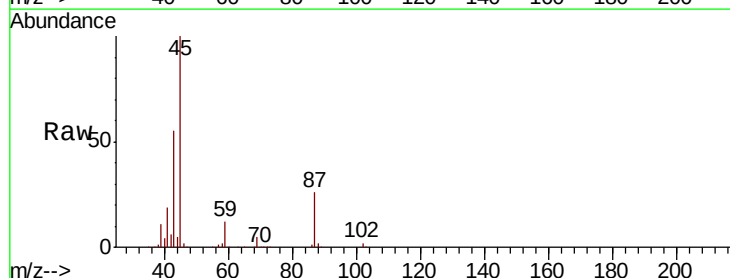
Ion Ratio Lower Upper

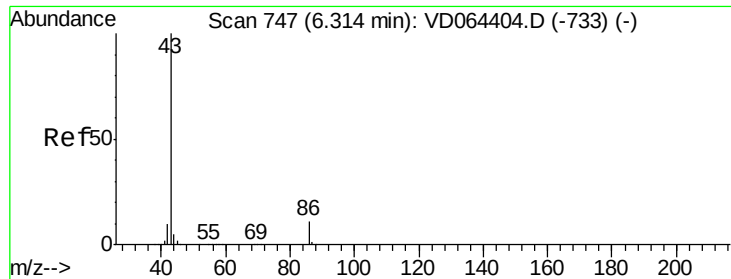
45 100

43 54.7 43.1 64.7

87 26.0 23.5 35.3

59 11.9 8.2 12.2





#23

Vinyl Acetate

Concen: 262.901 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

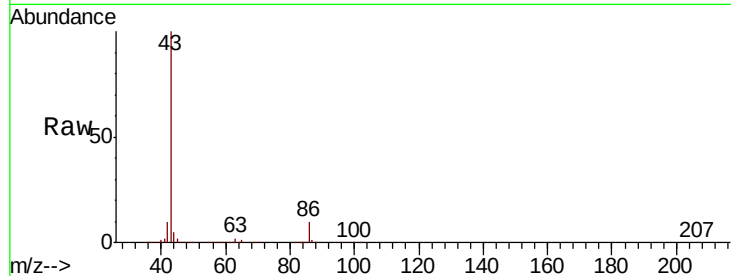
VSTDCCC050EC

Tot Ion: 43 Resp: 1675871

Ion Ratio Lower Upper

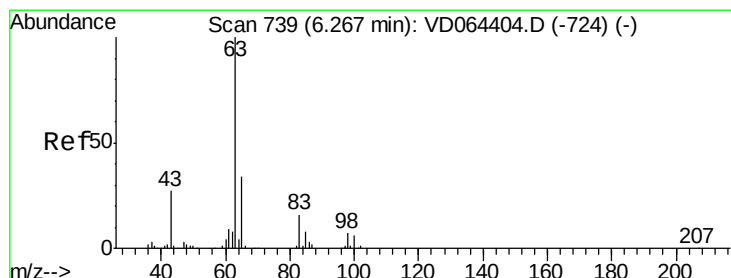
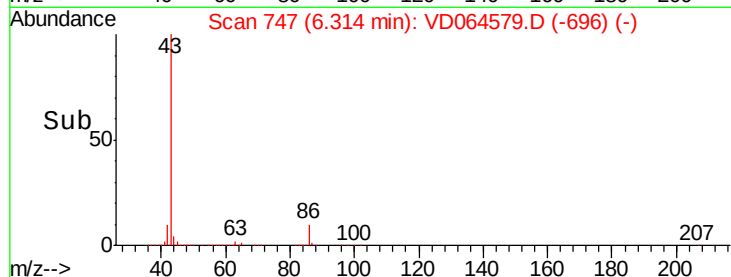
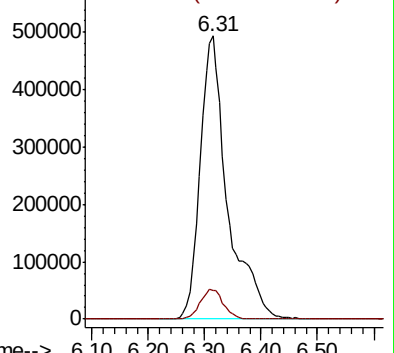
43 100

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: 53.296 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

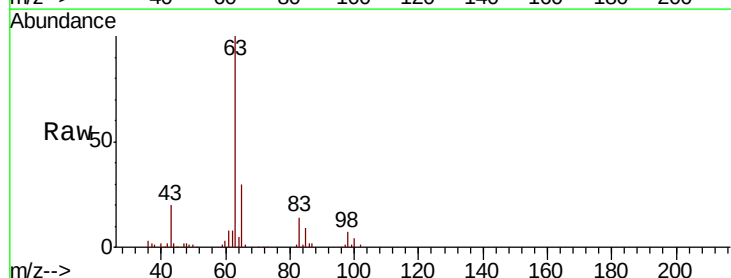
Tgt Ion: 63 Resp: 346564

Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

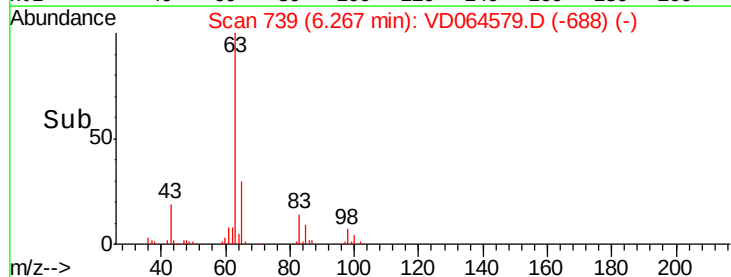
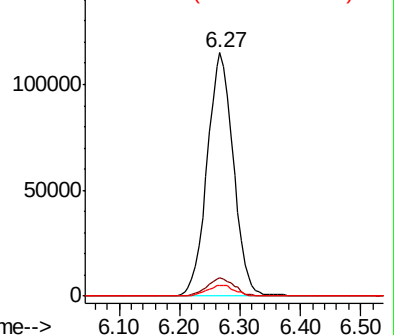
100 4.3 2.9 8.6

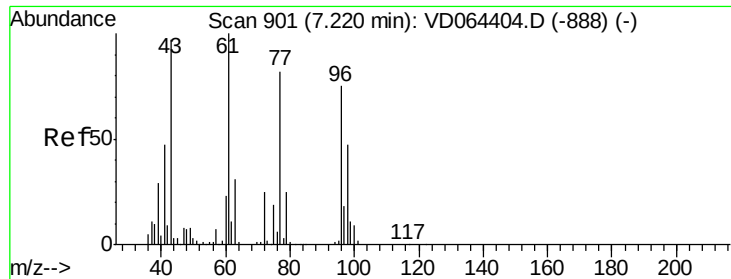


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 234.871 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

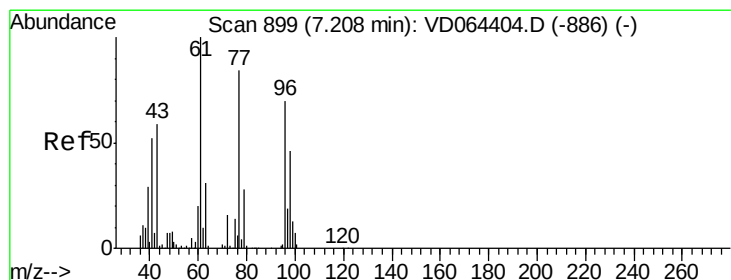
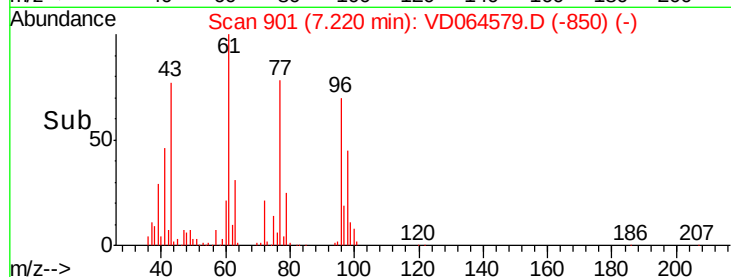
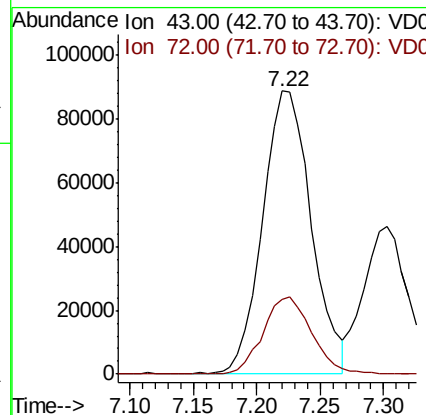
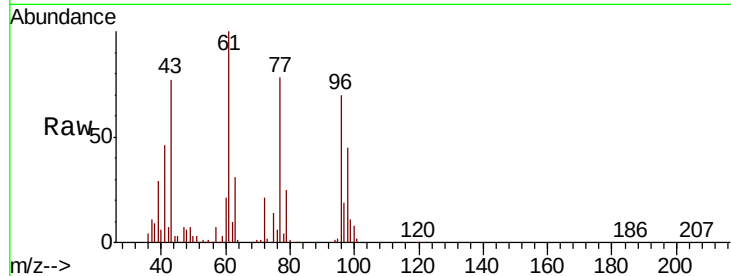
VSTDCCC050EC

Tot Ion: 43 Resp: 236568

Ion Ratio Lower Upper

43 100

72 26.6 21.0 31.4



#26

2,2-Dichloropropane

Concen: 50.522 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD064579.D

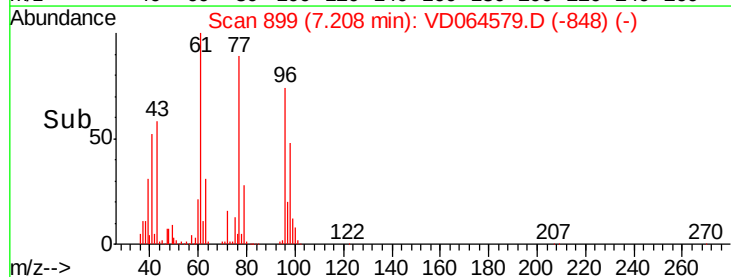
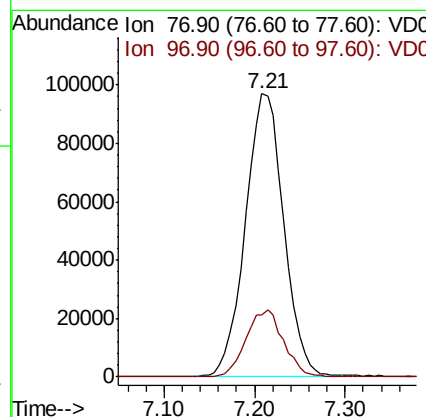
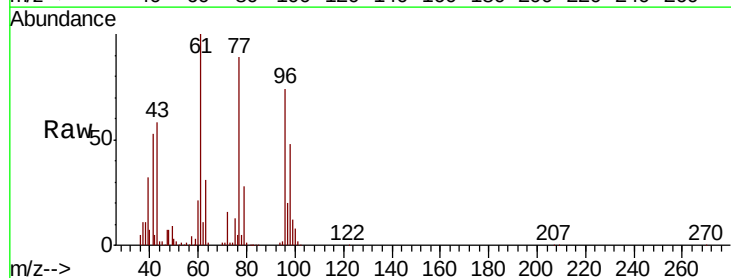
Acq: 23 Dec 2019 20:21

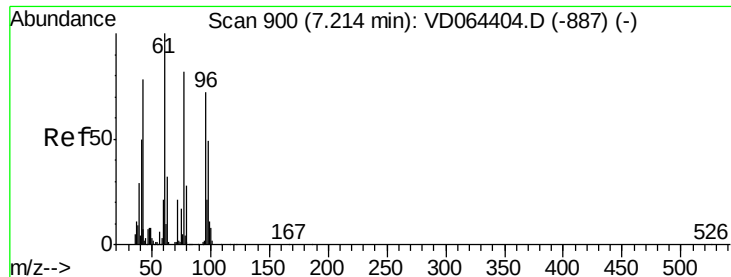
Tgt Ion: 77 Resp: 285704

Ion Ratio Lower Upper

77 100

97 23.1 11.6 34.7



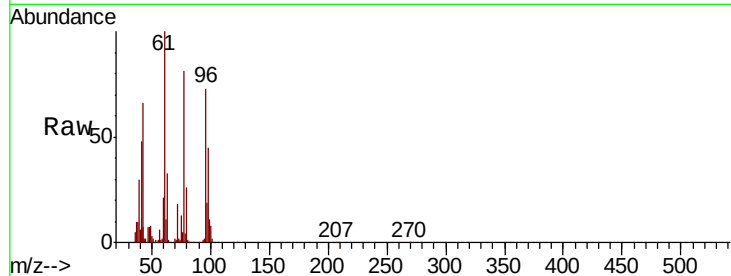


#27

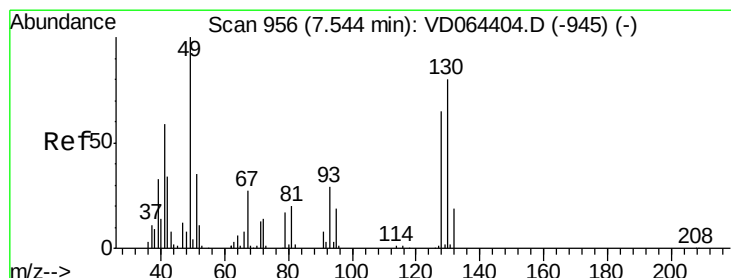
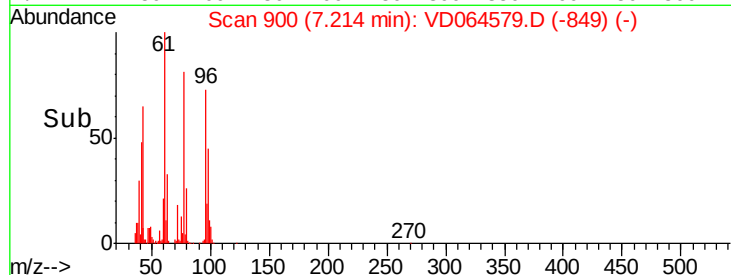
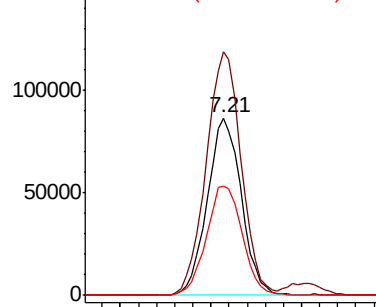
cis-1,2-Dichloroethene
 Concen: 52.120 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 225584
 Ion Ratio Lower Upper
 96 100
 61 140.8 0.0 279.6
 98 65.1 0.0 129.2



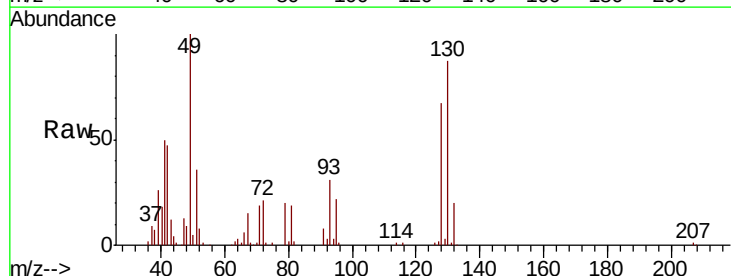
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



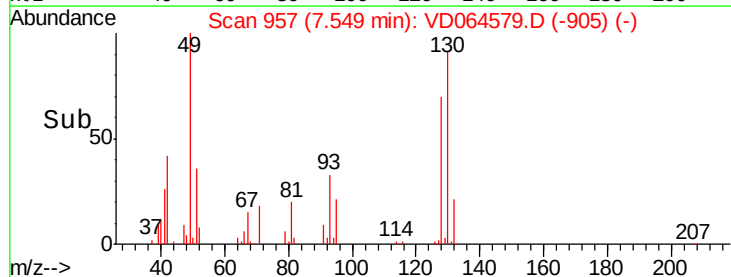
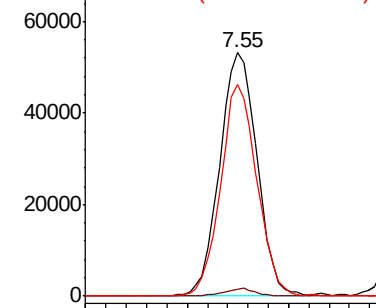
#28

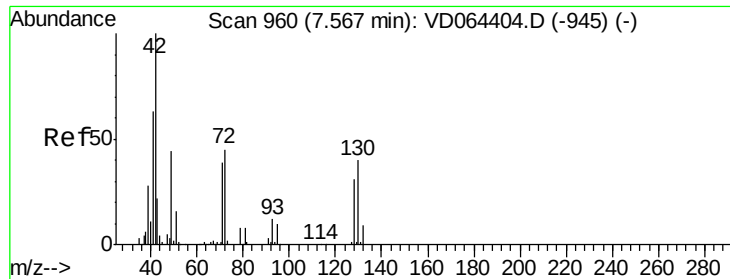
Bromochloromethane
 Concen: 61.153 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Tgt Ion: 49 Resp: 135899
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 4.4
 130 84.7 67.4 101.0



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC

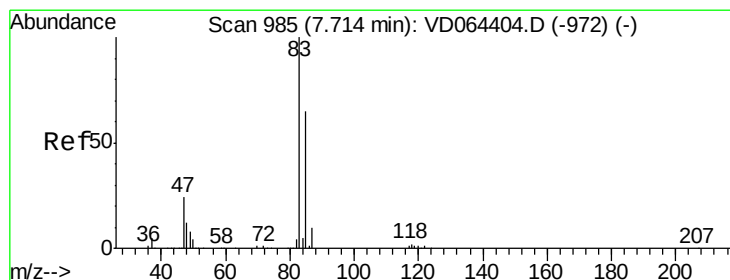
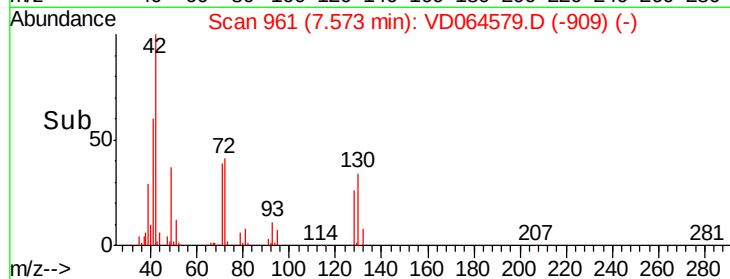
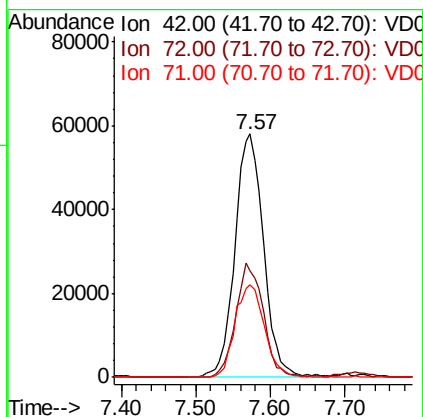
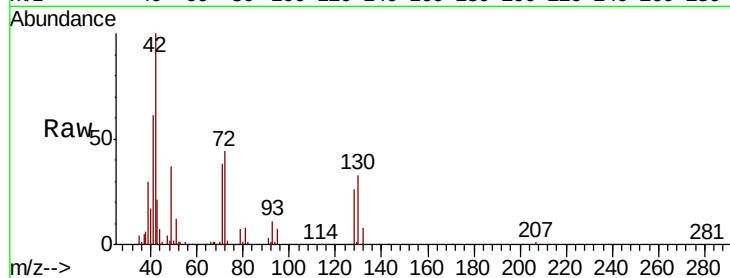




#29
Tetrahydrofuran
Concen: 242.630 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

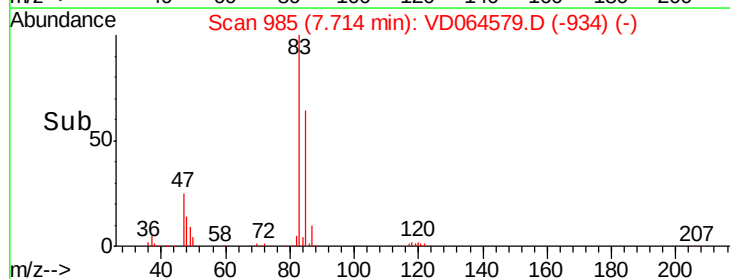
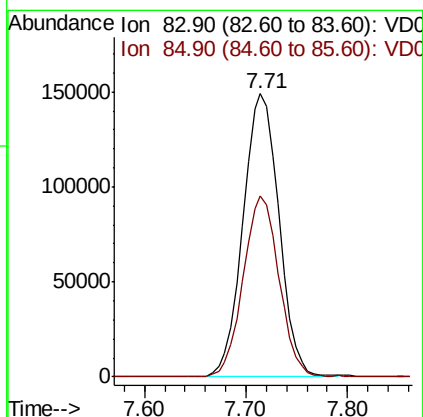
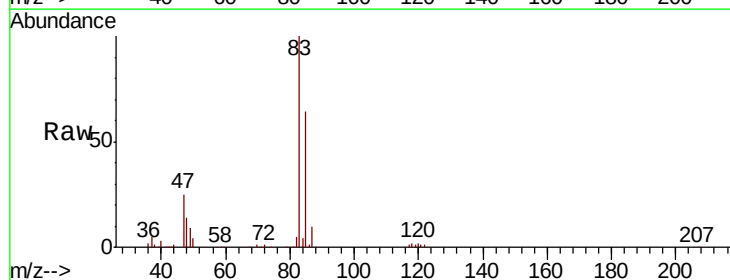
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

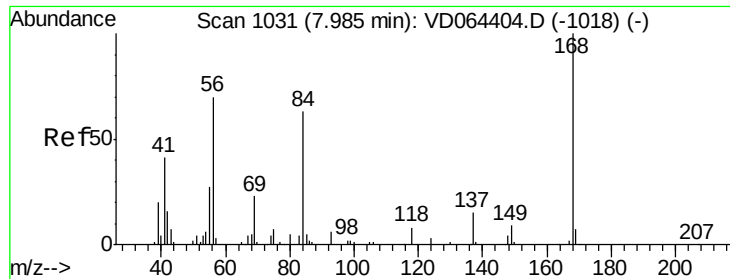
Tot Ion: 42 Resp: 155482
Ion Ratio Lower Upper
42 100
72 44.5 35.8 53.8
71 39.2 32.7 49.1



#30
Chloroform
Concen: 54.647 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Tgt Ion: 83 Resp: 368021
Ion Ratio Lower Upper
83 100
85 63.7 51.8 77.6

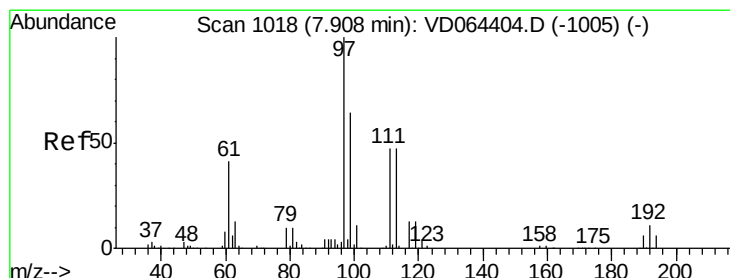
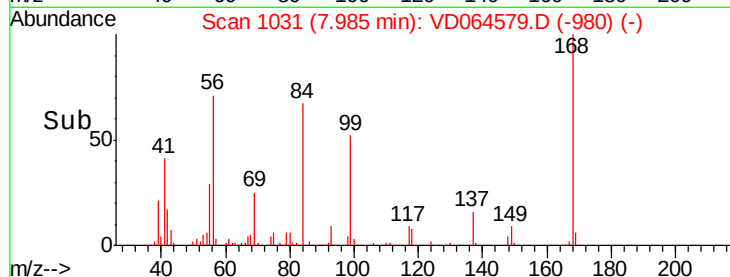
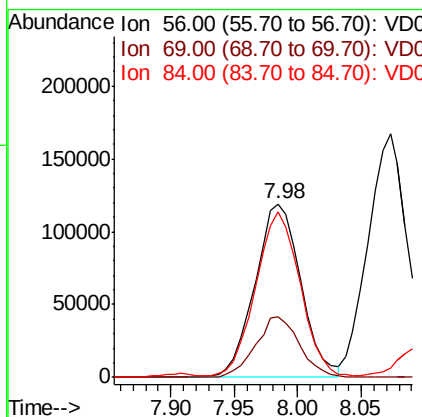
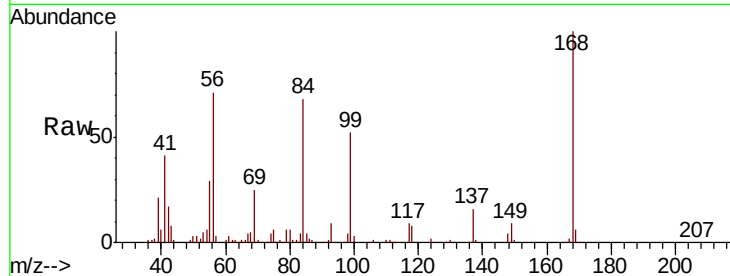




#31
Cyclohexane
Concen: 53.172 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

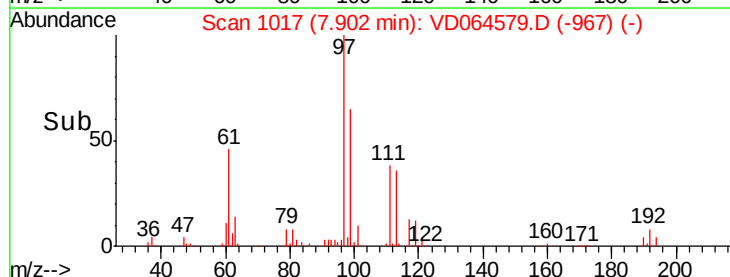
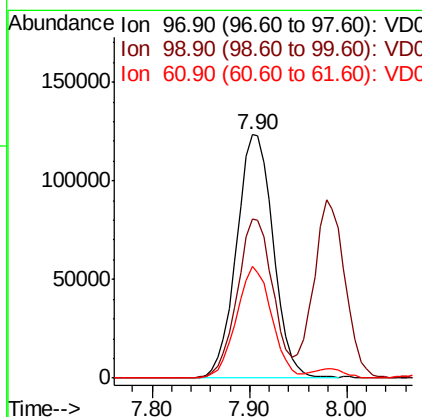
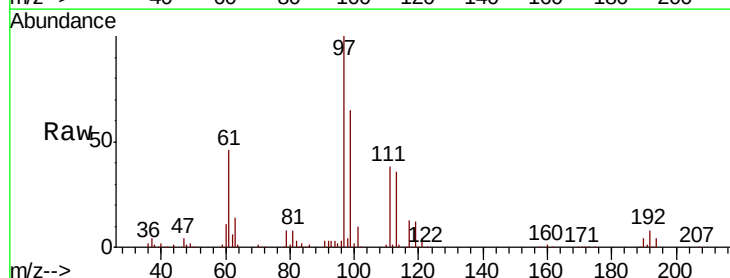
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

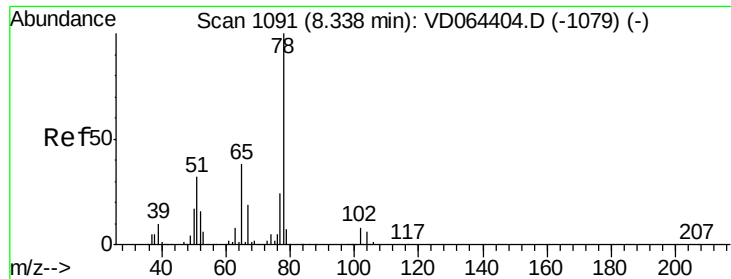
Tot Ion: 56 Resp: 300219
Ion Ratio Lower Upper
56 100
69 34.2 26.2 39.4
84 94.1 70.3 105.5



#32
1,1,1-Trichloroethane
Concen: 51.740 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Tgt Ion: 97 Resp: 323047
Ion Ratio Lower Upper
97 100
99 63.5 51.4 77.2
61 44.2 35.0 52.4

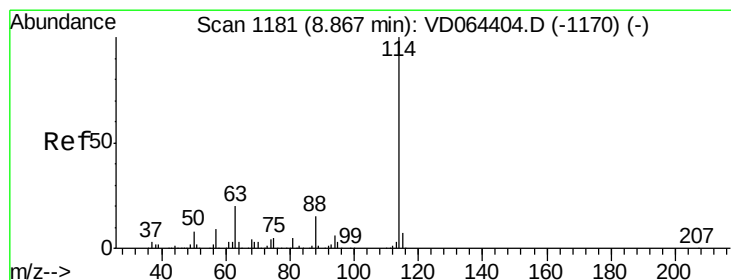
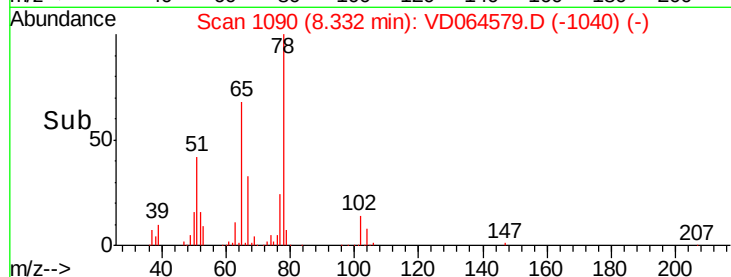
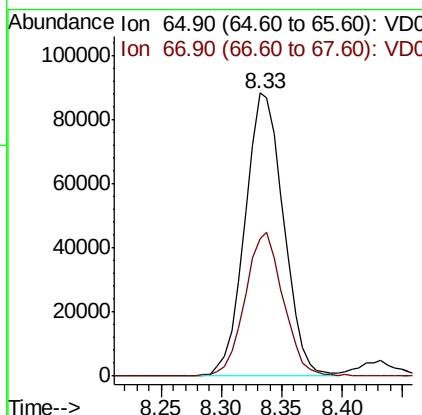
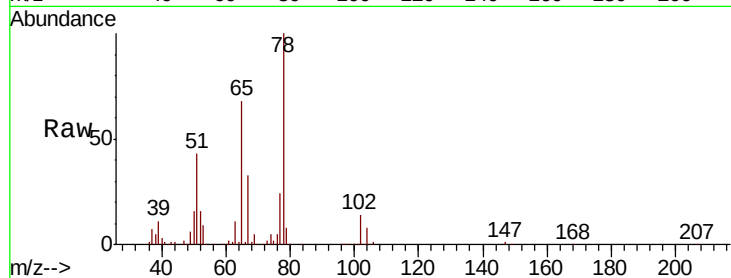




#33
 1,2-Dichloroethane-d4
 Concen: 55.807 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

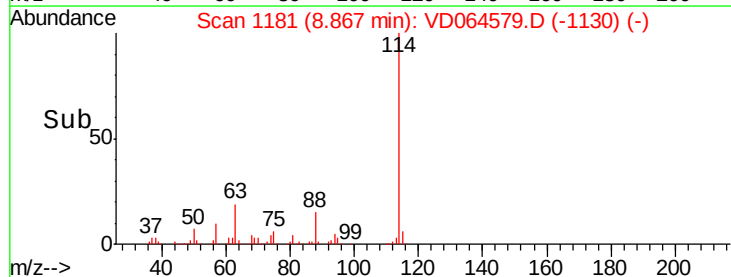
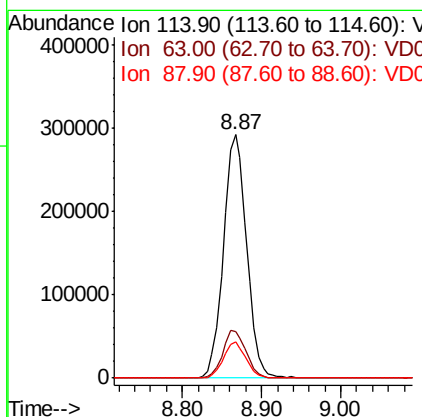
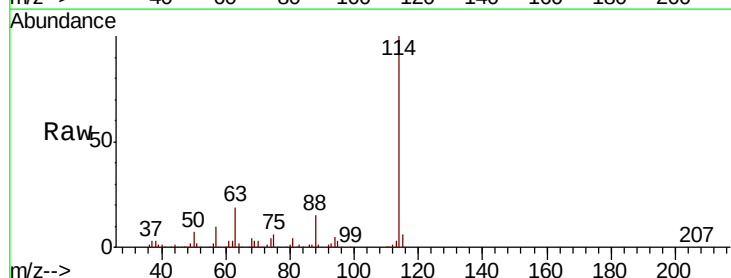
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

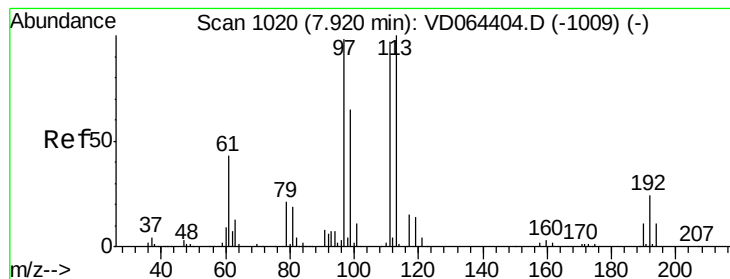
Tot Ion: 65 Resp: 196688
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Tgt Ion: 114 Resp: 589288
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 14.9 0.0 29.2





#35

Dibromofluoromethane

Concen: 52.666 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

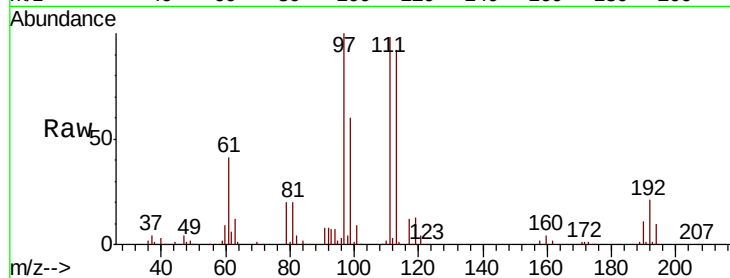
Tot Ion:113 Resp: 195540

Ion Ratio Lower Upper

113 100

111 104.7 79.4 119.2

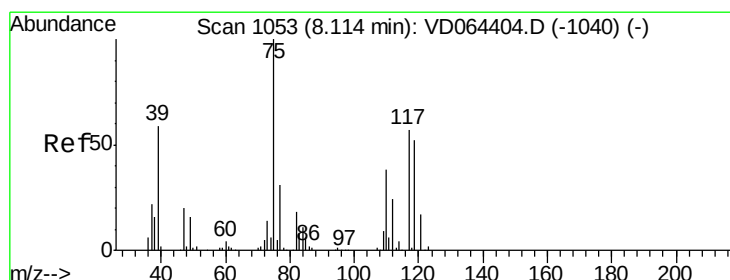
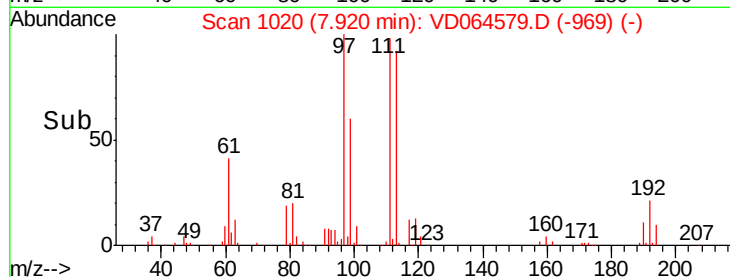
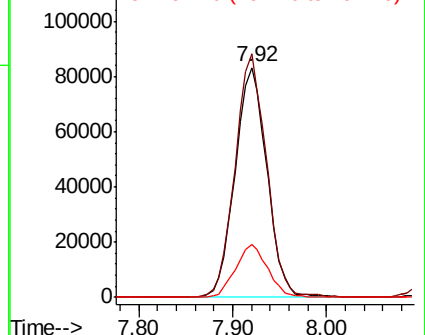
192 23.1 18.6 28.0



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: 49.087 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

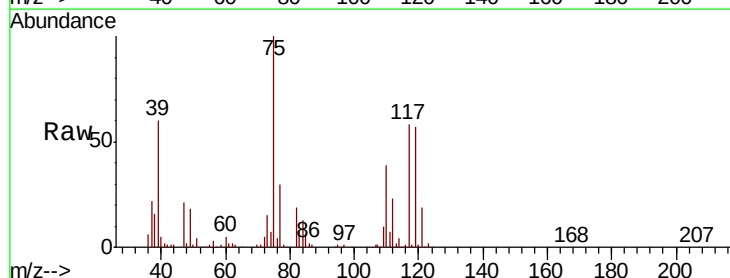
Tgt Ion: 75 Resp: 273603

Ion Ratio Lower Upper

75 100

110 36.0 18.6 55.8

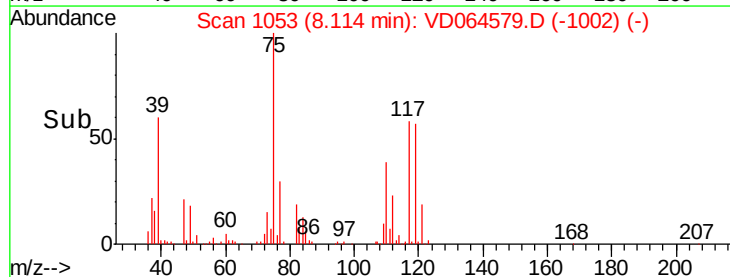
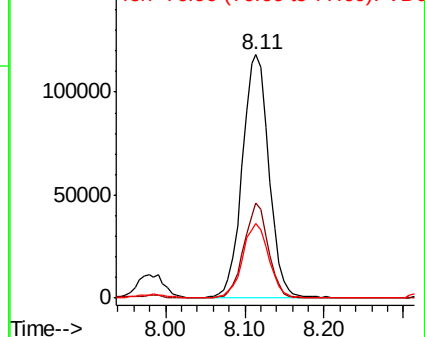
77 30.7 25.0 37.4

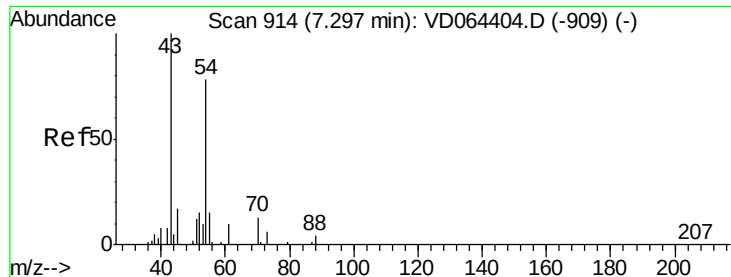


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

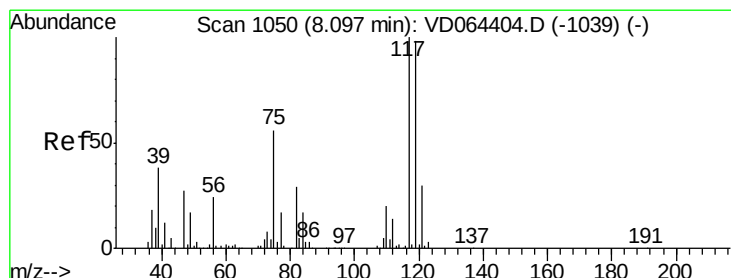
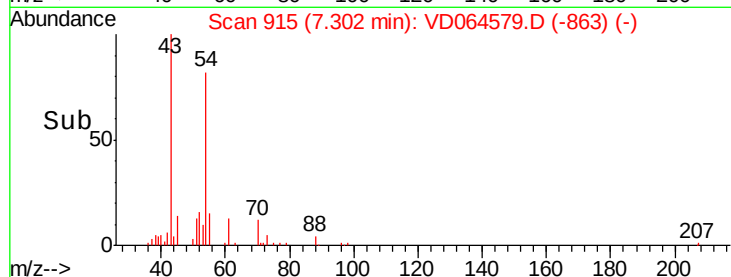
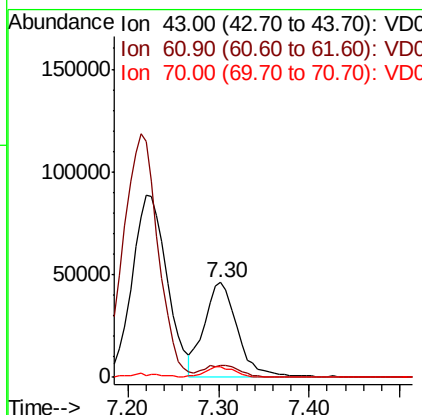
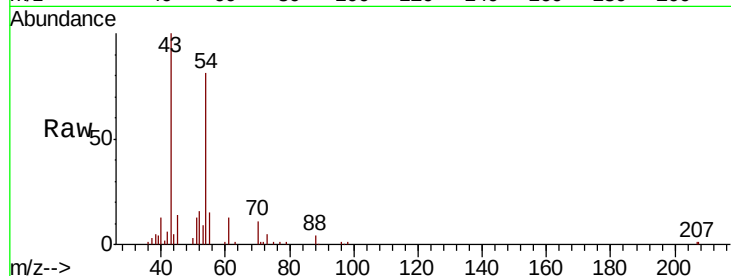




#37
Ethyl Acetate
Concen: 50.276 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

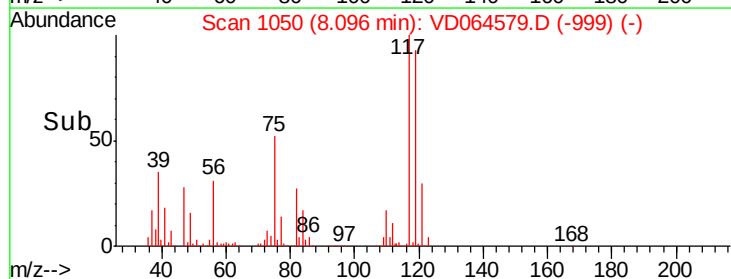
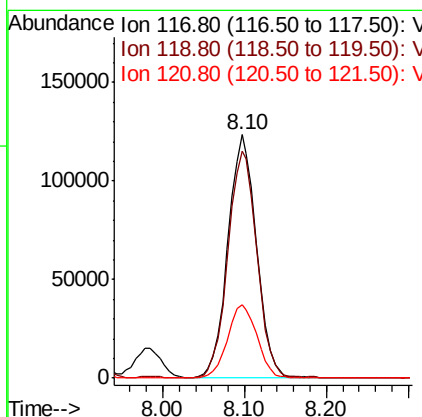
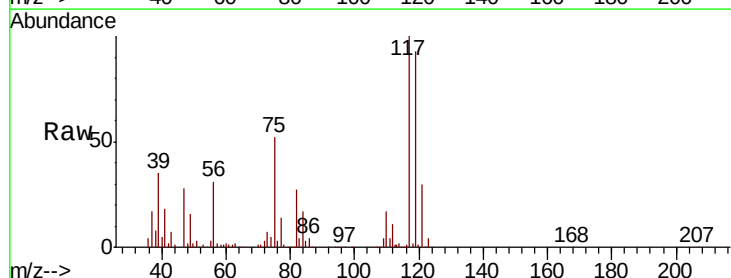
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

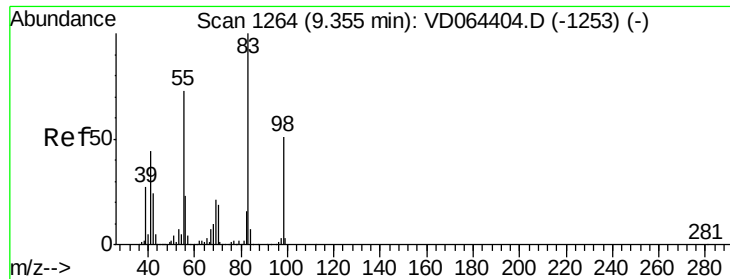
Tot Ion: 43 Resp: 118908
Ion Ratio Lower Upper
43 100
61 12.4 10.9 16.3
70 10.3 8.3 12.5



#38
Carbon Tetrachloride
Concen: 50.594 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Tgt Ion: 117 Resp: 297632
Ion Ratio Lower Upper
117 100
119 93.4 78.8 118.2
121 30.0 24.2 36.2

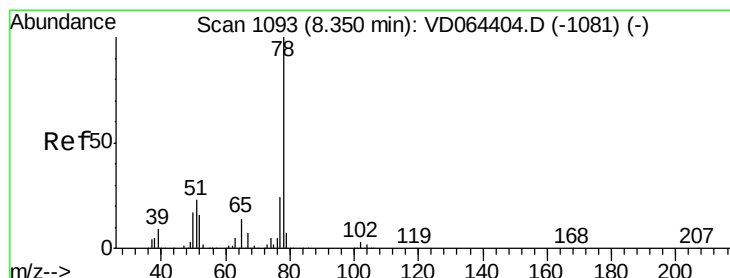
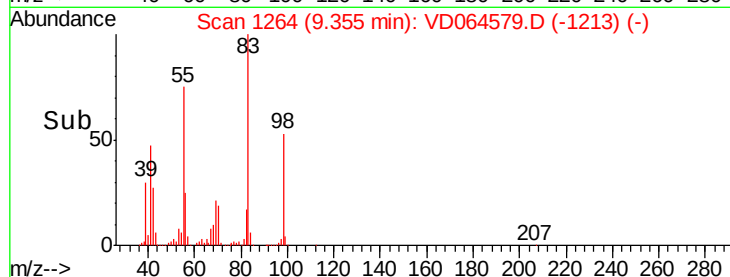
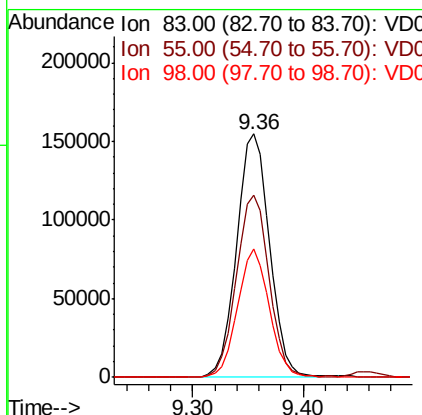
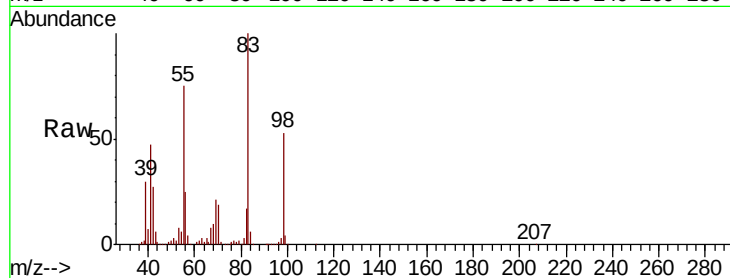




#39
Methylvlcyclohexane
Concen: 47.083 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

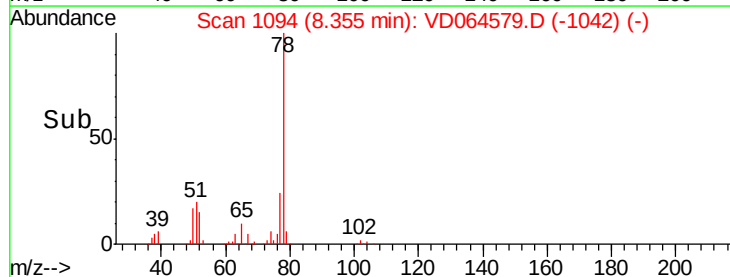
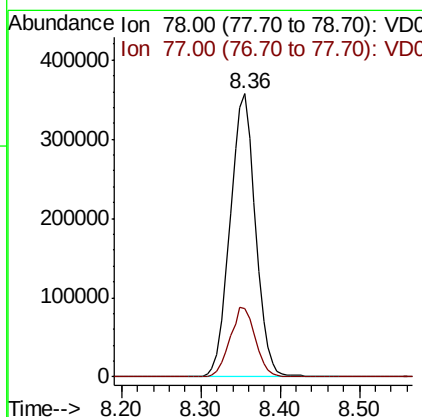
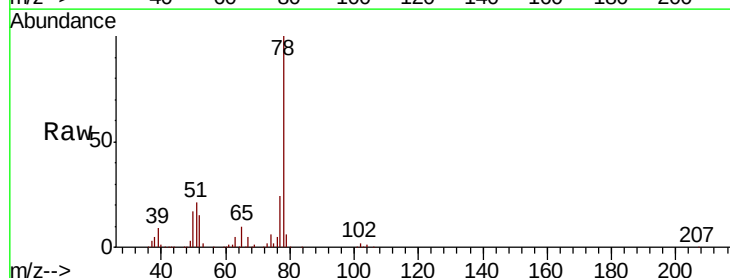
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

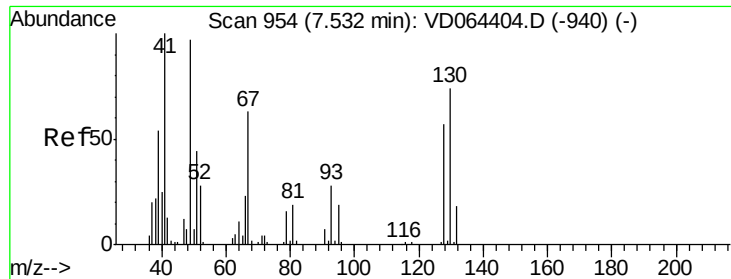
Tot Ion: 83 Resp: 325534
Ion Ratio Lower Upper
83 100
55 74.6 58.6 87.8
98 52.5 40.9 61.3



#40
Benzene
Concen: 51.094 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Tgt Ion: 78 Resp: 790976
Ion Ratio Lower Upper
78 100
77 24.3 19.6 29.4

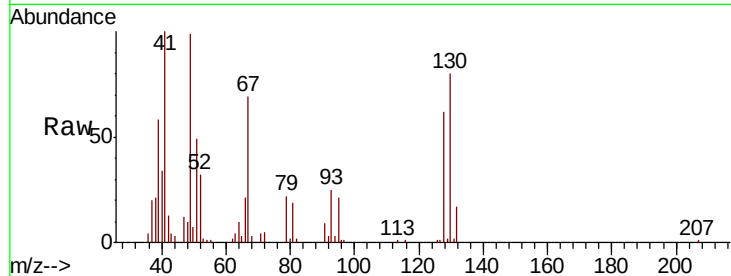




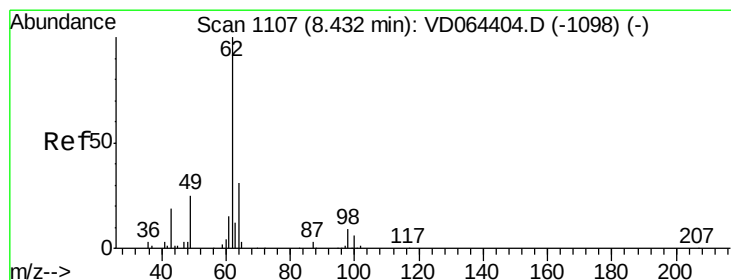
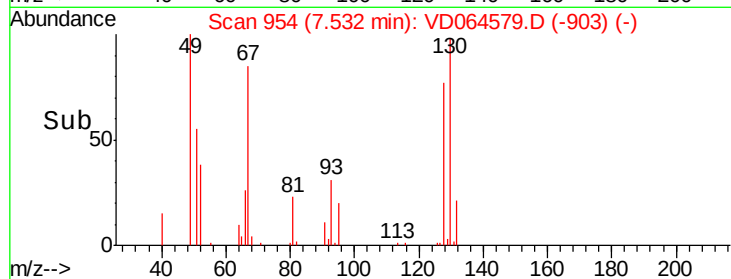
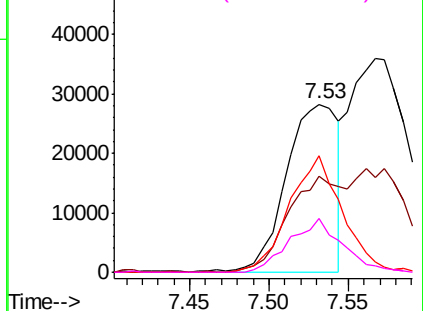
#41
Methacrylonitrile
Concen: 47.334 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	64201
Ion	Ratio	Lower	Upper
41	100		
39	62.7	44.6	67.0
67	71.0	50.9	76.3
52	32.3	22.5	33.7

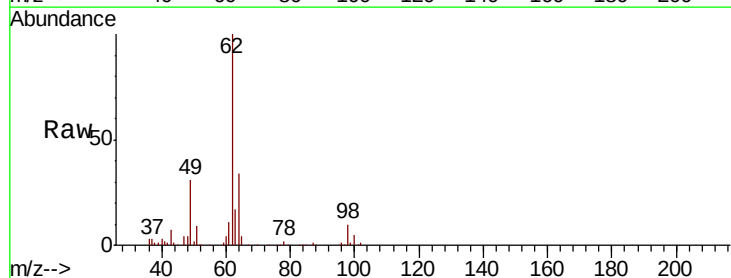


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

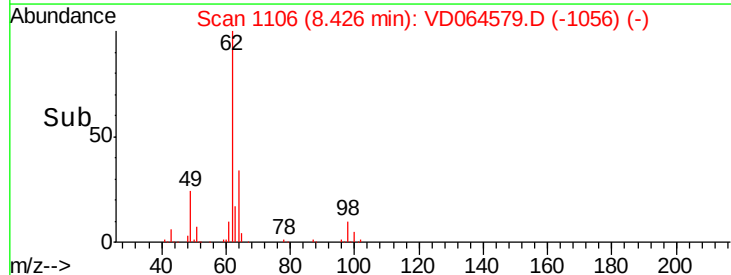
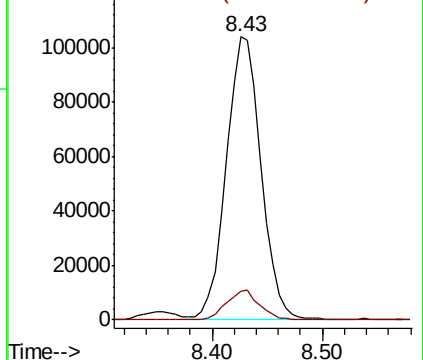


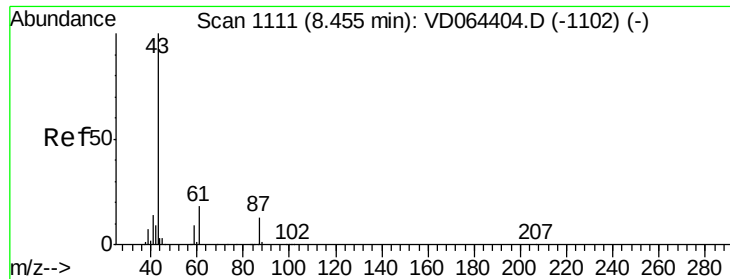
#42
1,2-Dichloroethane
Concen: 50.640 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Tgt Ion:	62	Resp:	228622
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 48.765 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

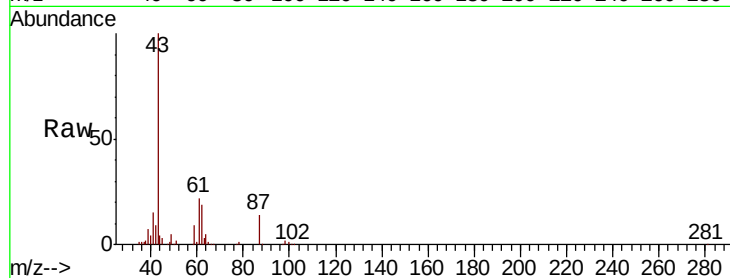
Tot Ion: 43 Resp: 226769

Ion Ratio Lower Upper

43 100

61 30.8 24.0 36.0

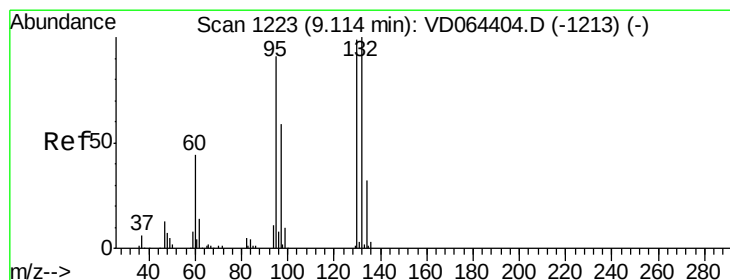
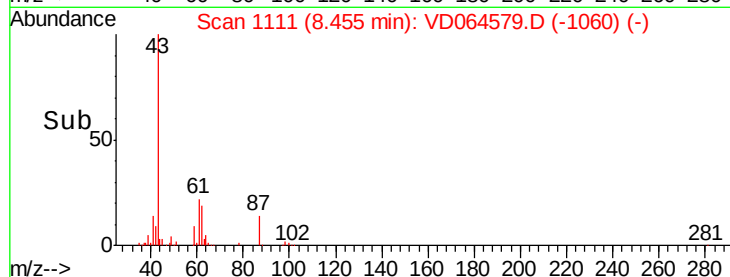
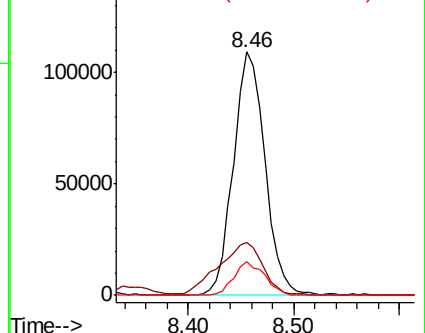
87 13.6 10.6 15.8



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: 48.216 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064579.D

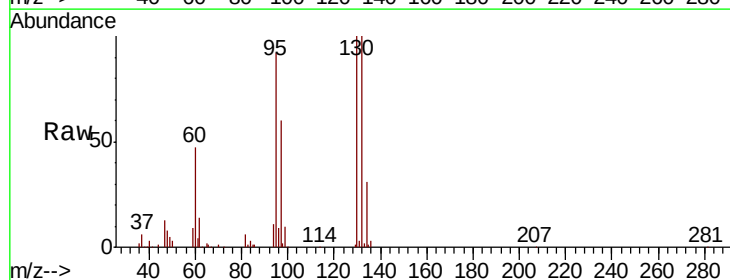
Acq: 23 Dec 2019 20:21

Tgt Ion:130 Resp: 224846

Ion Ratio Lower Upper

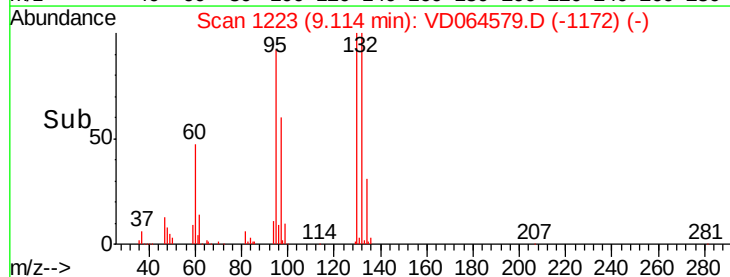
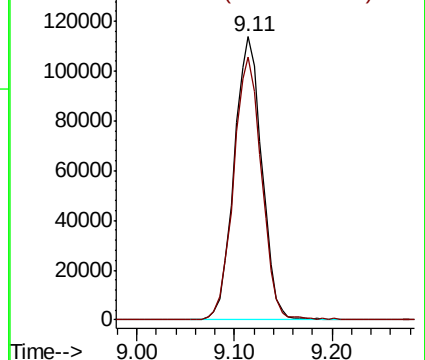
130 100

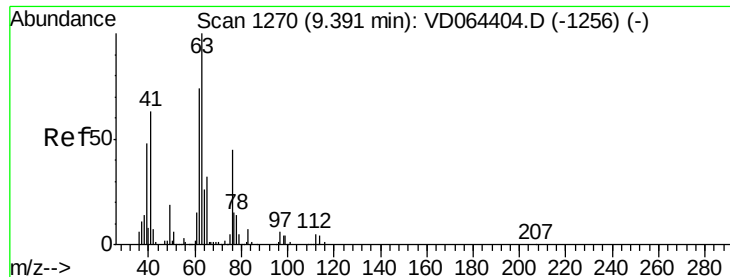
95 92.7 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

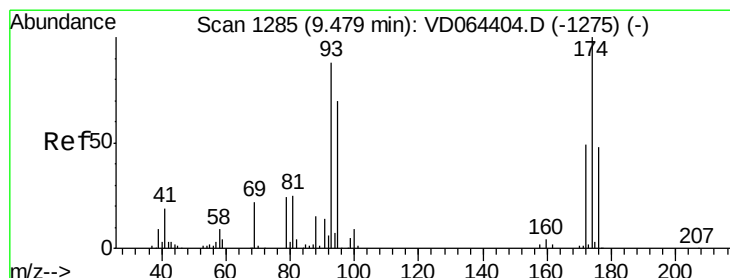
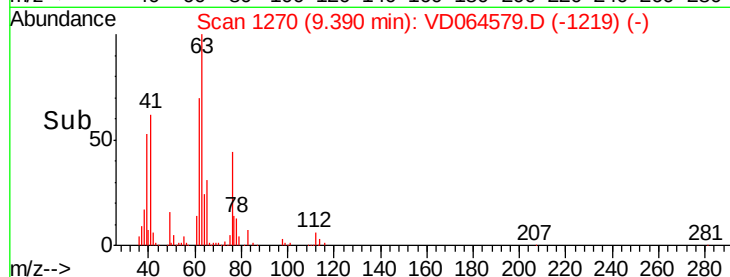
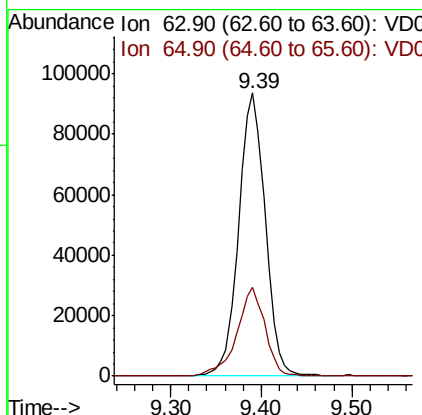
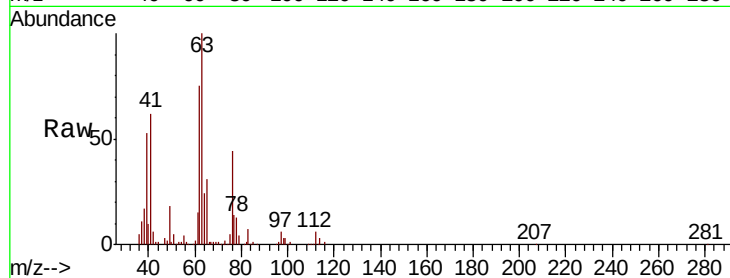




#45
 1,2-Dichloropropane
 Concen: 51.717 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

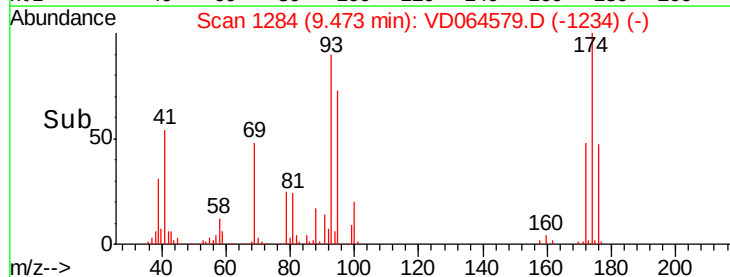
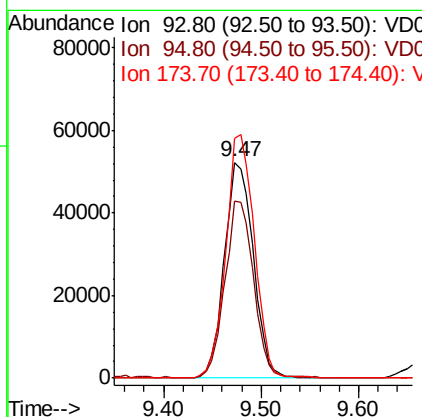
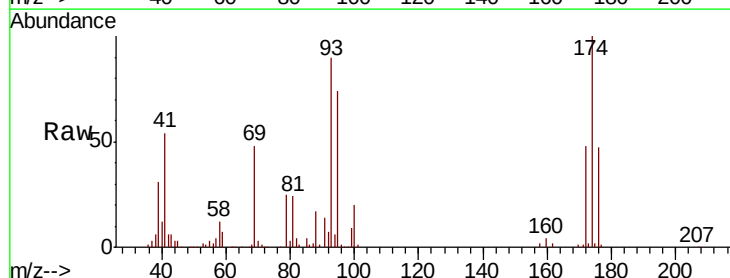
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

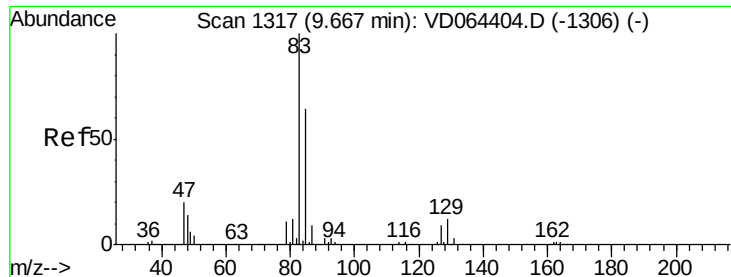
Tot Ion: 63 Resp: 191475
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.4 38.0



#46
 Dibromomethane
 Concen: 51.539 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Tgt Ion: 93 Resp: 107697
 Ion Ratio Lower Upper
 93 100
 95 81.3 66.7 100.1
 174 111.5 92.3 138.5





#47

Bromodichloromethane

Concen: 52.554 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

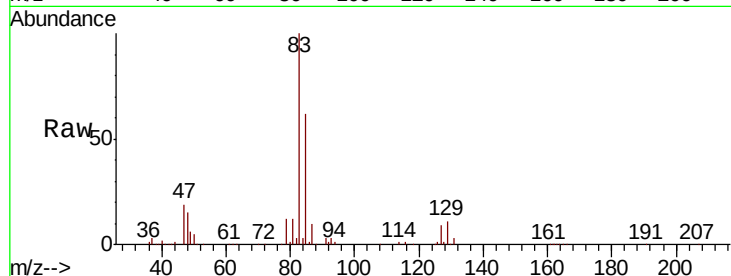
Tot Ion: 83 Resp: 282172

Ion Ratio Lower Upper

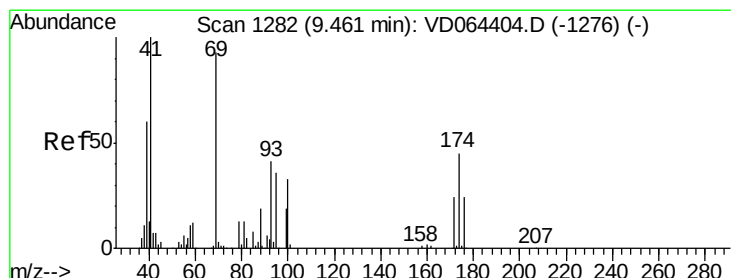
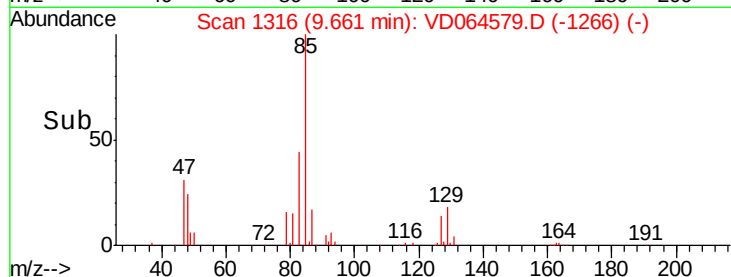
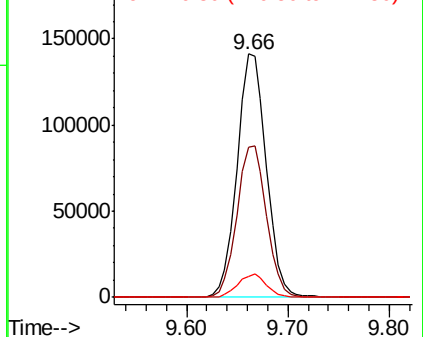
83 100

85 61.7 51.1 76.7

127 8.6 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): VDC



#48

Methyl methacrylate

Concen: 48.705 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

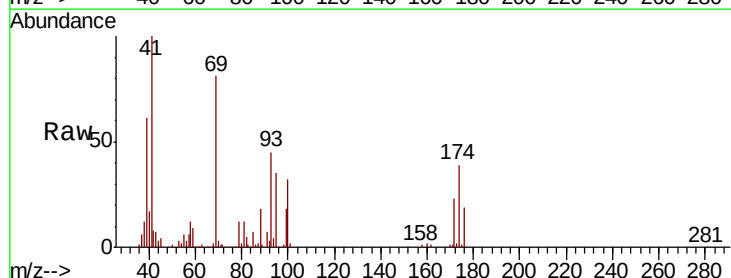
Tgt Ion: 41 Resp: 103641

Ion Ratio Lower Upper

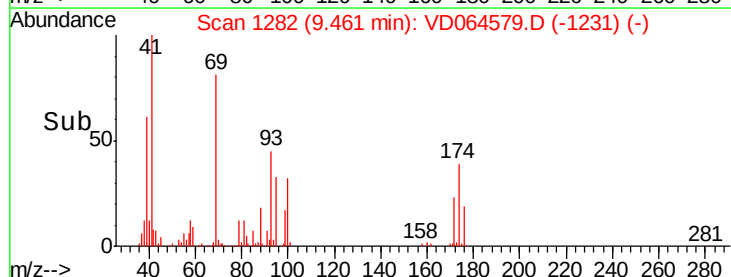
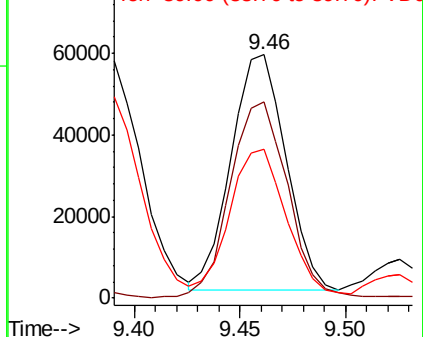
41 100

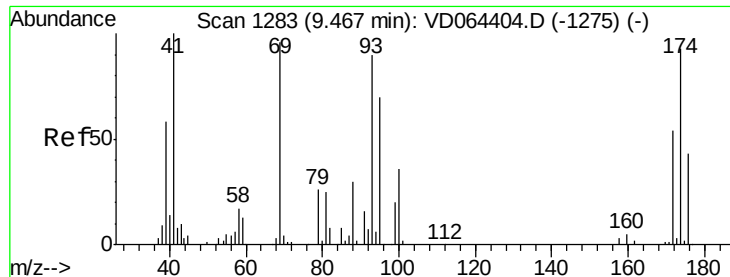
69 86.9 72.0 108.0

39 62.4 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: 935.251 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

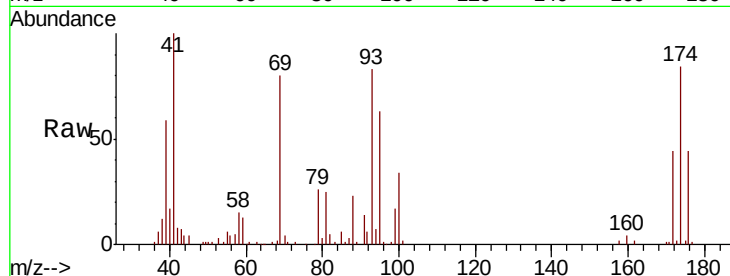
Tot Ion: 88 Resp: 24133

Ion Ratio Lower Upper

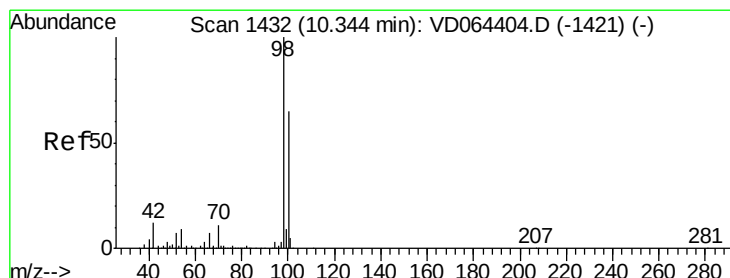
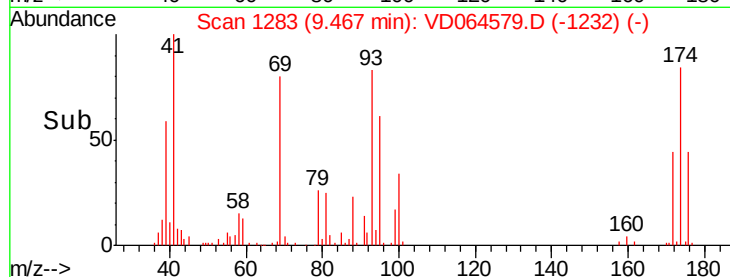
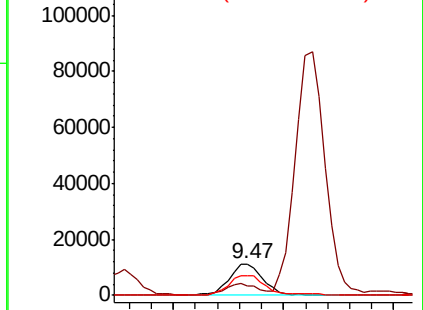
88 100

43 32.7 26.7 40.1

58 66.9 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: 53.304 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064579.D

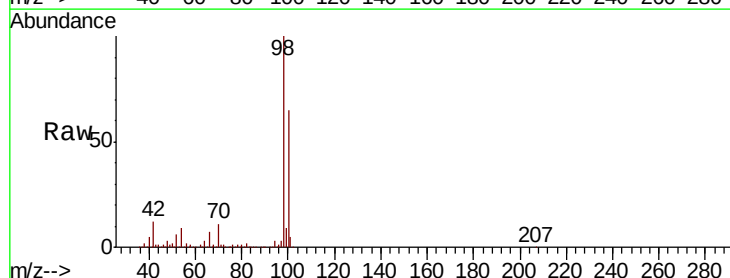
Acq: 23 Dec 2019 20:21

Tgt Ion: 98 Resp: 745493

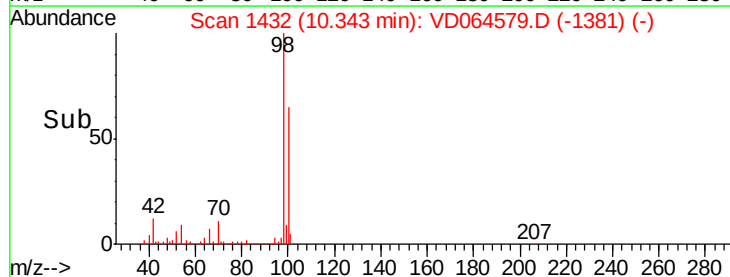
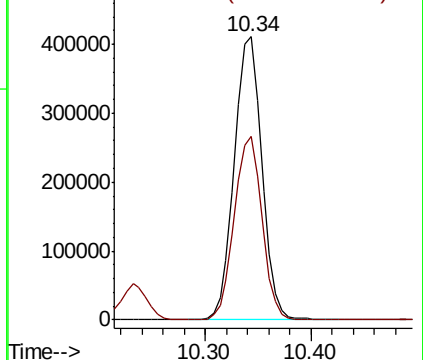
Ion Ratio Lower Upper

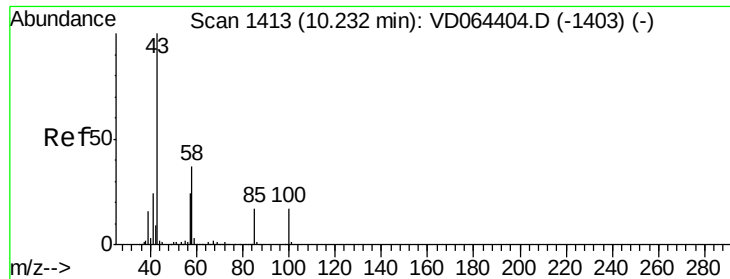
98 100

100 64.7 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: 241.332 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

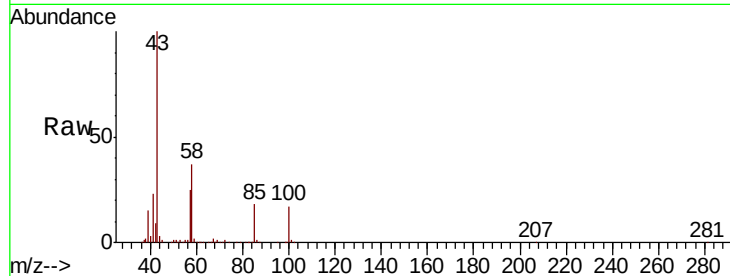
VSTDCCC050EC

Tot Ion: 43 Resp: 555279

Ion Ratio Lower Upper

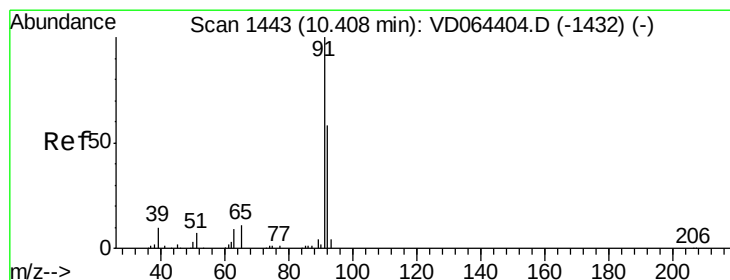
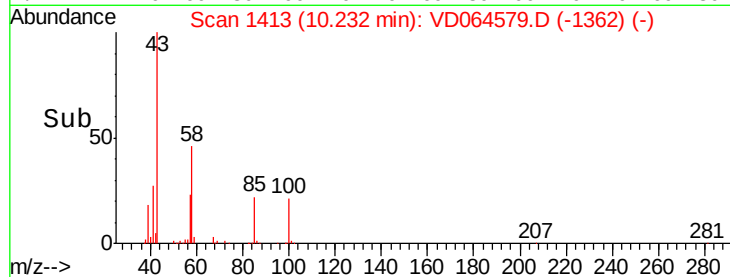
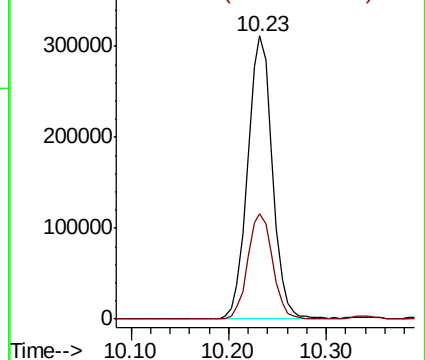
43 100

58 37.6 30.6 46.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 51.016 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064579.D

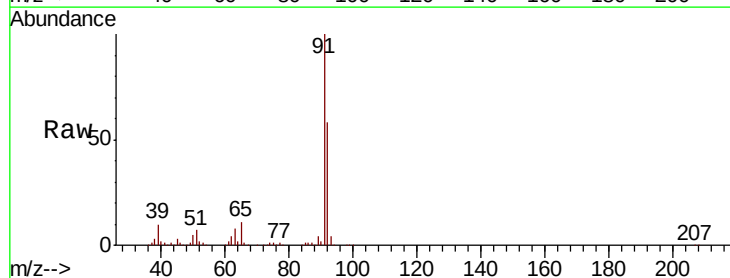
Acq: 23 Dec 2019 20:21

Tgt Ion: 92 Resp: 514704

Ion Ratio Lower Upper

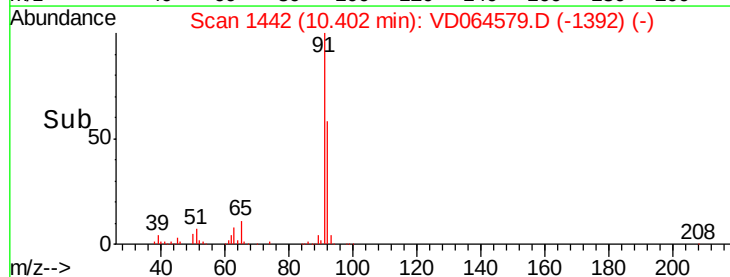
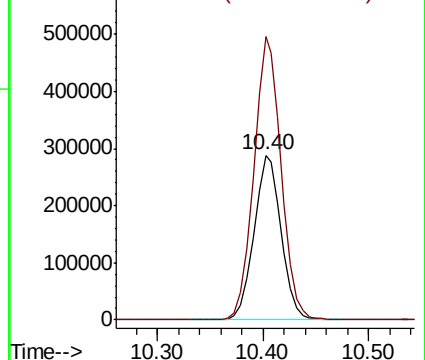
92 100

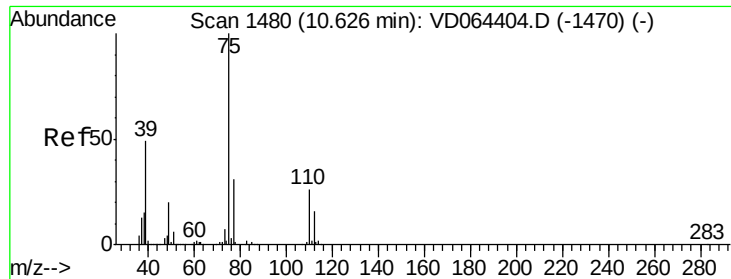
91 172.9 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 51.454 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

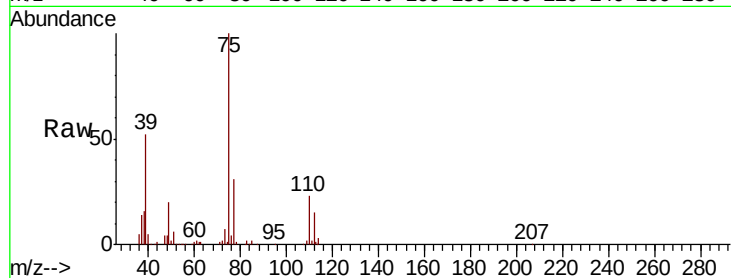
VSTDCCC050EC

Tot Ion: 75 Resp: 263293

Ion Ratio Lower Upper

75 100

77 30.8 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.62

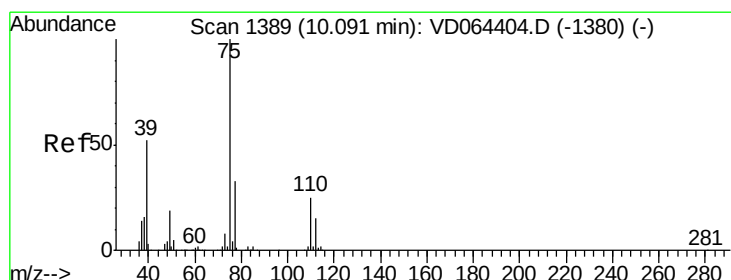
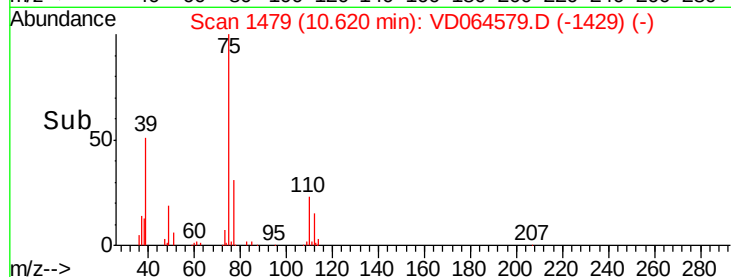
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.674 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

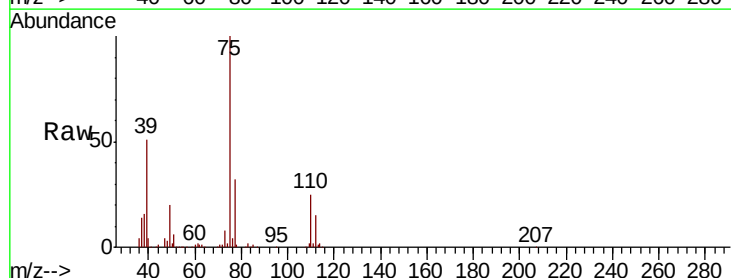
Tgt Ion: 75 Resp: 314121

Ion Ratio Lower Upper

75 100

77 31.6 26.1 39.1

39 51.0 41.5 62.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.09

200000

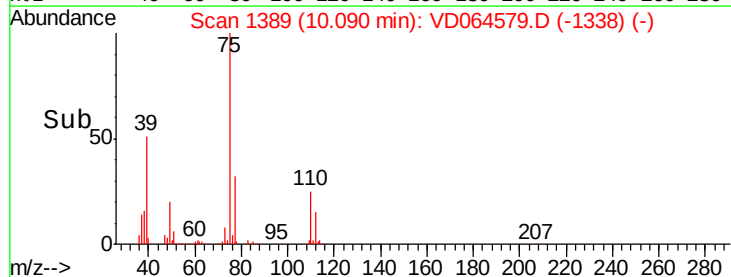
150000

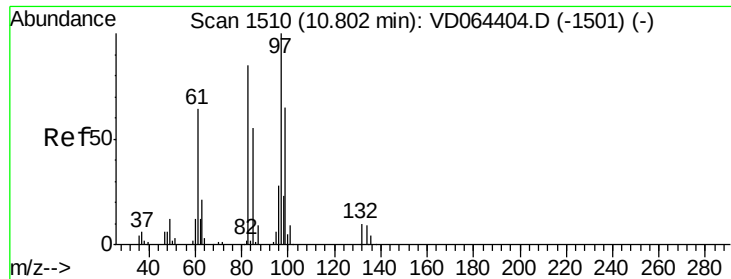
100000

50000

0

Time-->

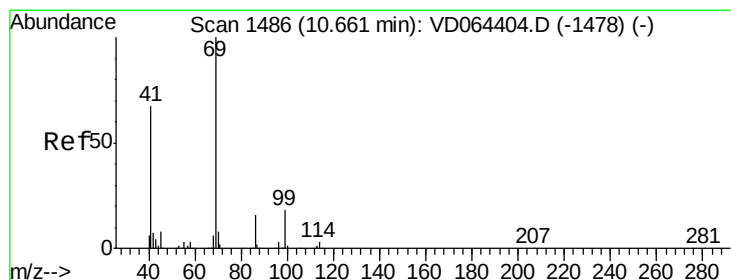
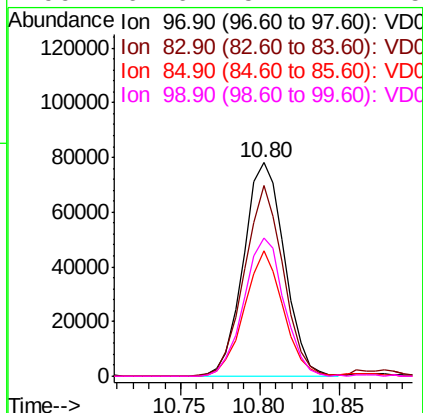
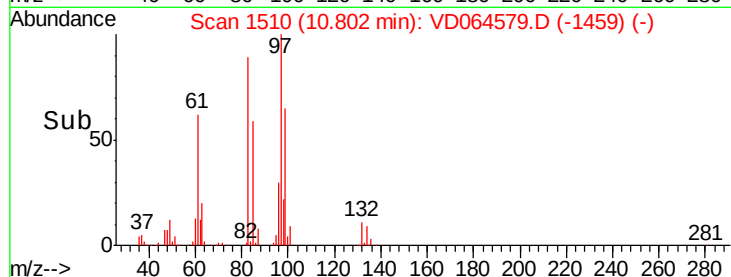
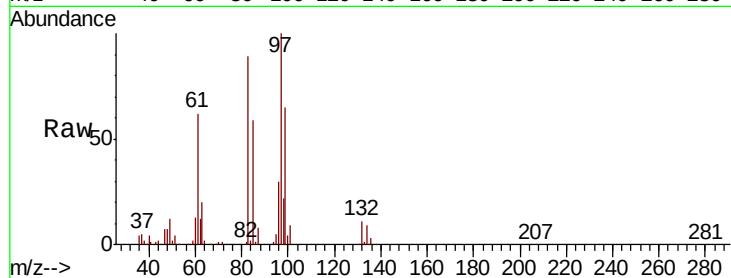




#55
 1,1,2-Trichloroethane
 Concen: 49.162 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

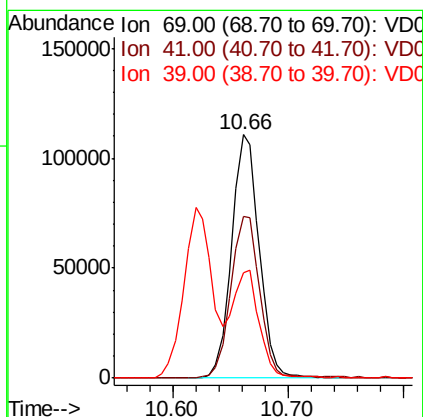
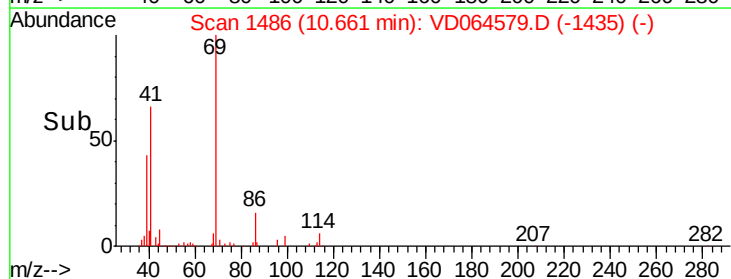
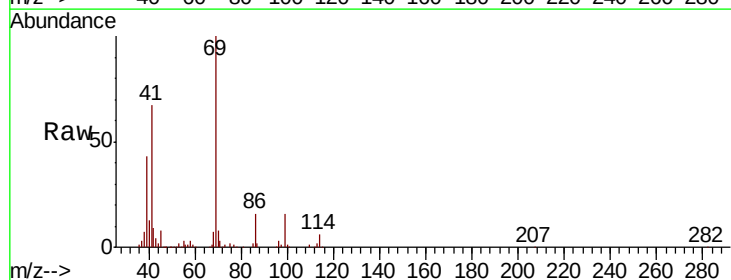
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

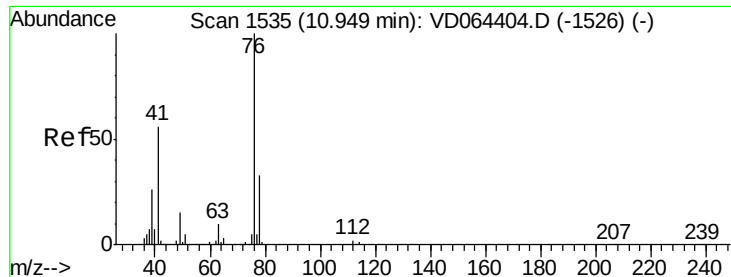
Tot Ion:	97	Resp:	140668
Ion	Ratio	Lower	Upper
97	100		
83	89.2	67.8	101.8
85	58.9	43.7	65.5
99	64.6	51.7	77.5



#56
 Ethyl methacrylate
 Concen: 50.142 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Tgt Ion:	69	Resp:	182990
Ion	Ratio	Lower	Upper
69	100		
41	70.1	55.0	82.4
39	42.6	33.0	49.6





#57

1,3-Dichloropropane

Concen: 50.566 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

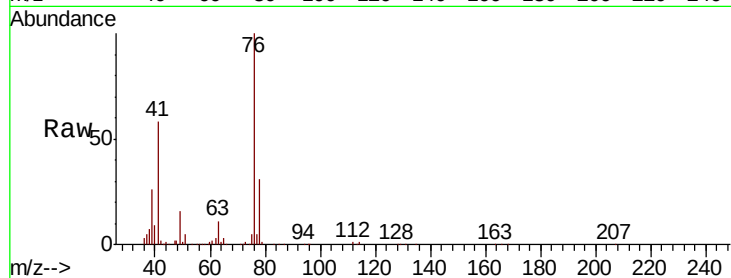
VSTDCCC050EC

Tot Ion: 76 Resp: 246289

Ion Ratio Lower Upper

76 100

78 32.7 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

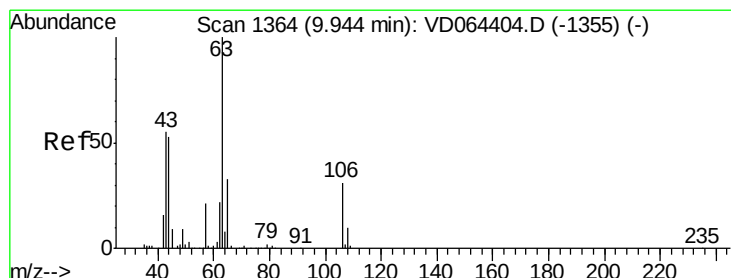
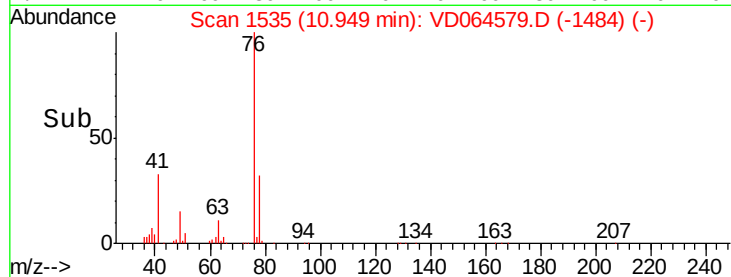
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 203.769 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064579.D

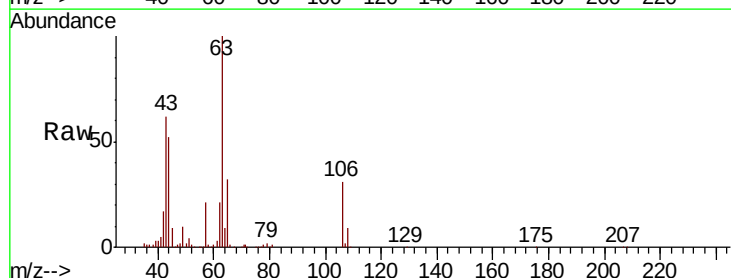
Acq: 23 Dec 2019 20:21

Tgt Ion: 63 Resp: 296441

Ion Ratio Lower Upper

63 100

106 30.2 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

200000

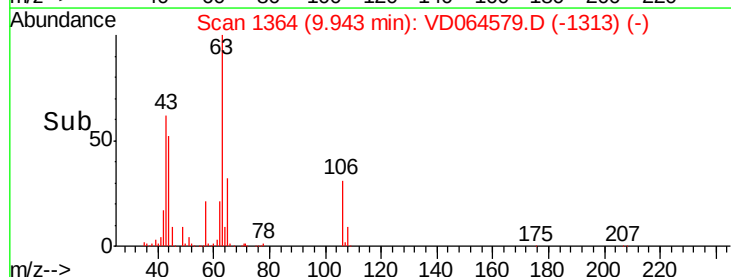
150000

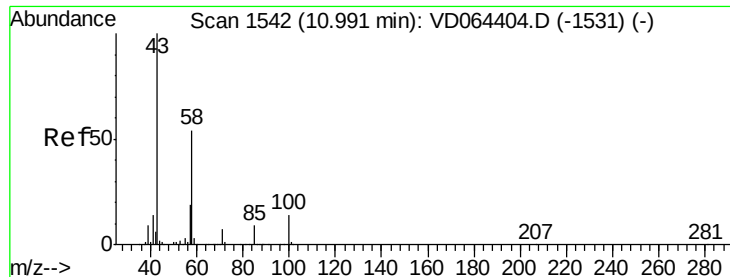
100000

50000

0

Time-->

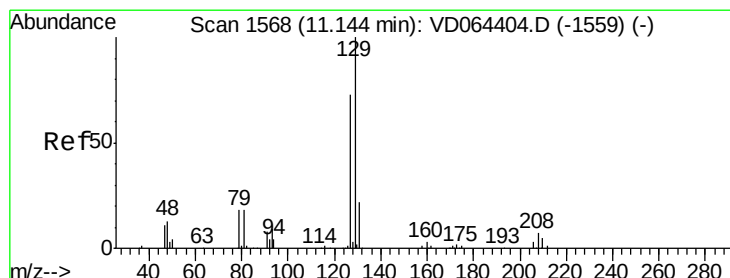
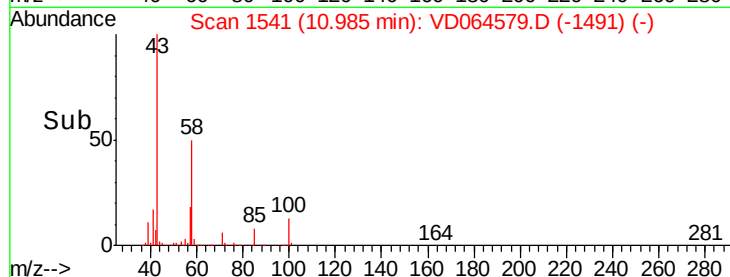
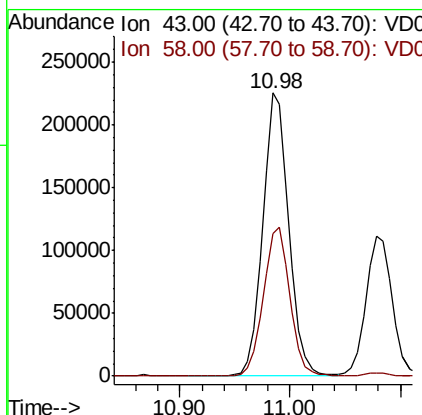
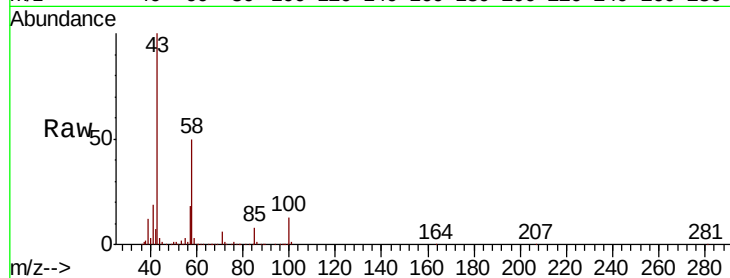




#59
2-Hexanone
Concen: 232.819 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

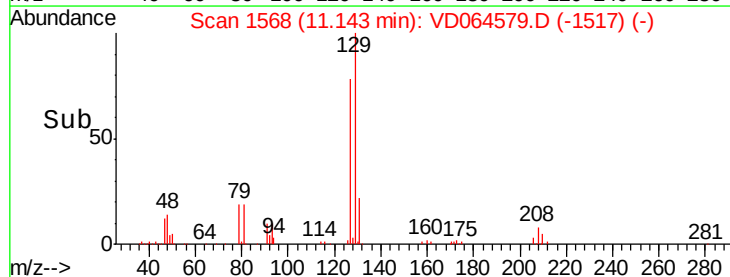
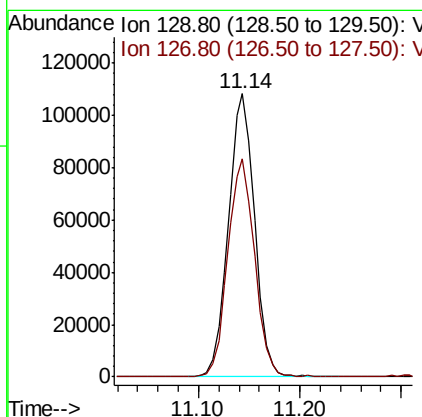
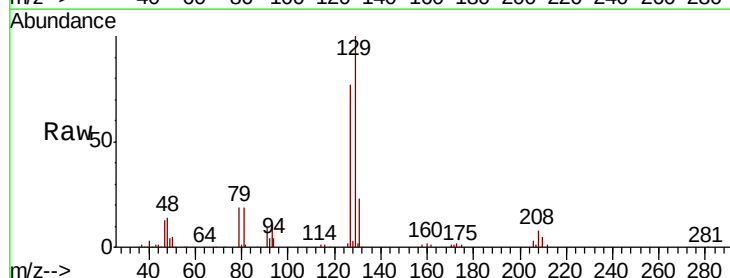
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

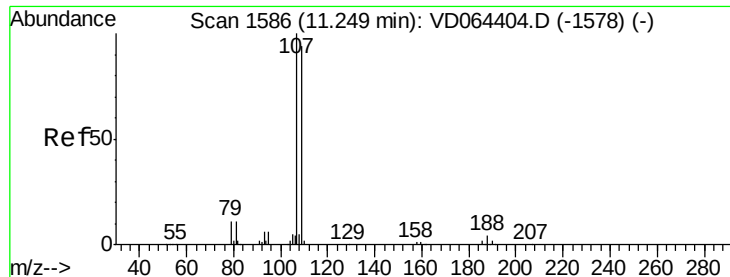
Tot Ion: 43 Resp: 371712
Ion Ratio Lower Upper
43 100
58 53.7 26.3 78.8



#60
Dibromochloromethane
Concen: 49.920 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Tgt Ion: 129 Resp: 193665
Ion Ratio Lower Upper
129 100
127 78.6 38.1 114.3

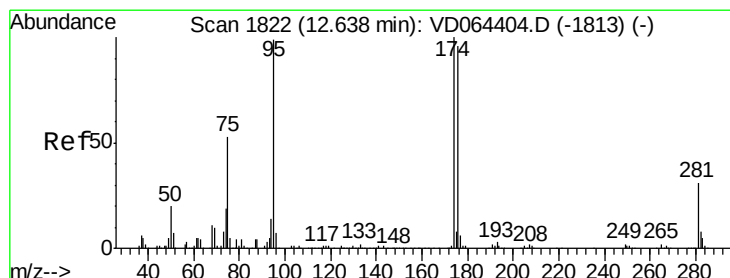
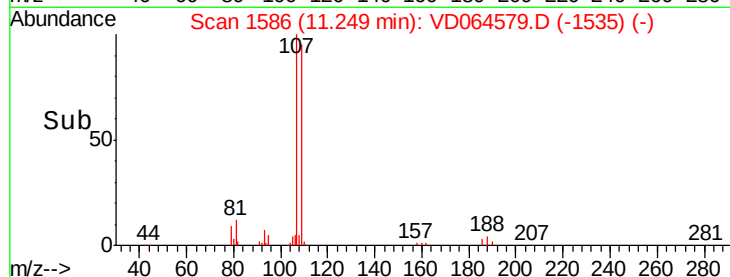
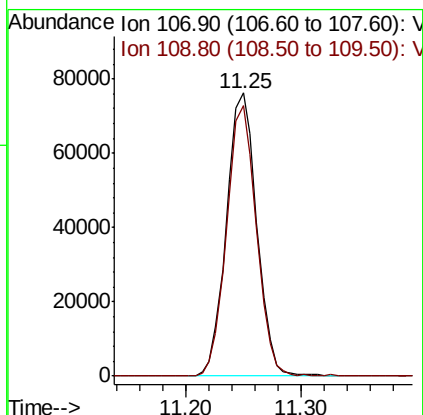
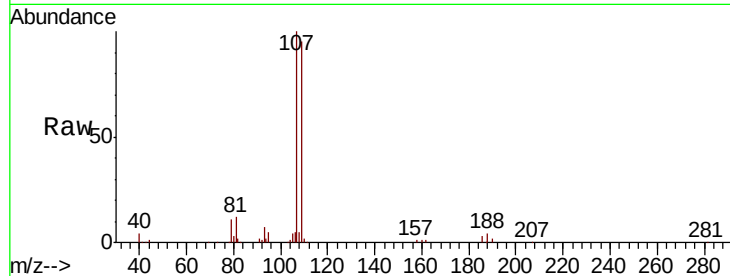




#61
 1,2-Dibromoethane
 Concen: 48.559 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

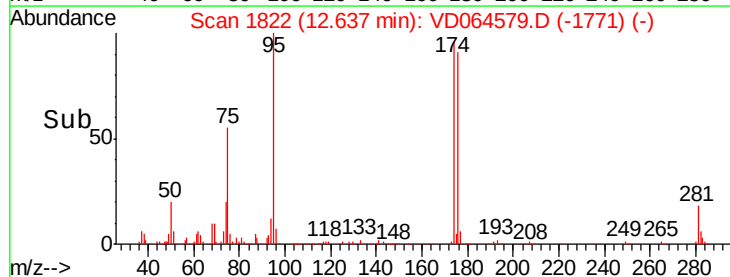
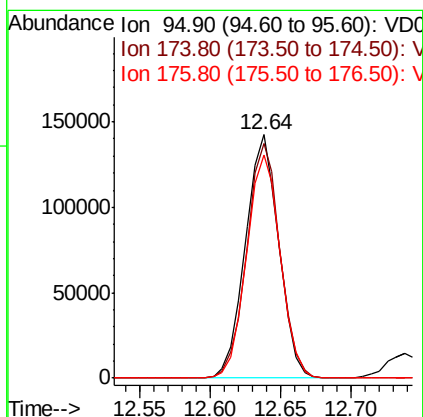
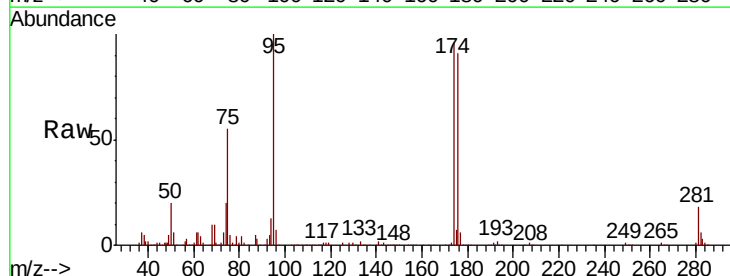
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

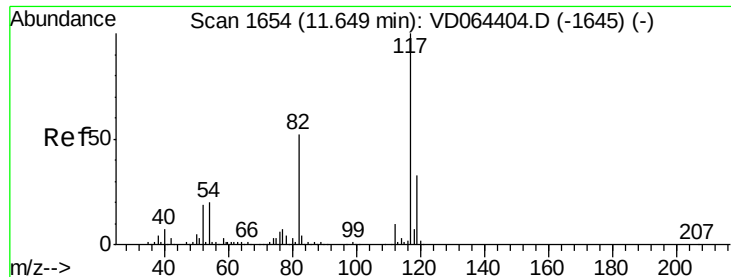
Tot Ion:107 Resp: 138727
 Ion Ratio Lower Upper
 107 100
 109 93.8 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 52.467 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Tgt Ion: 95 Resp: 235821
 Ion Ratio Lower Upper
 95 100
 174 96.3 0.0 197.2
 176 92.8 0.0 189.6

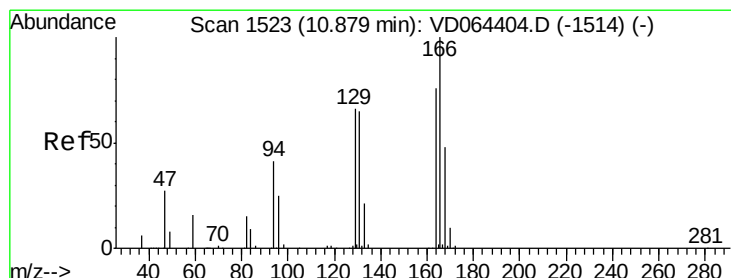
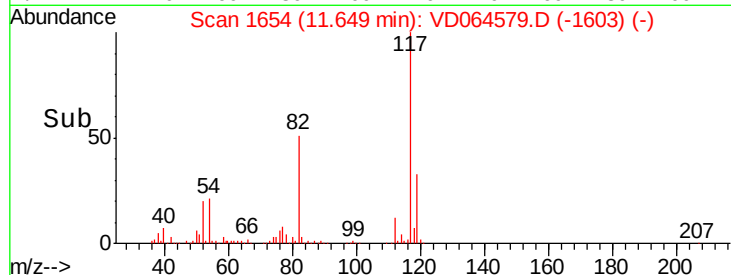
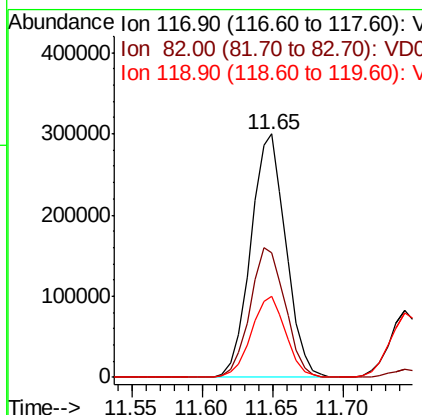
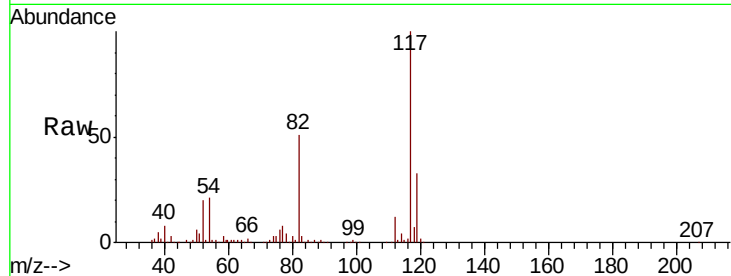




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

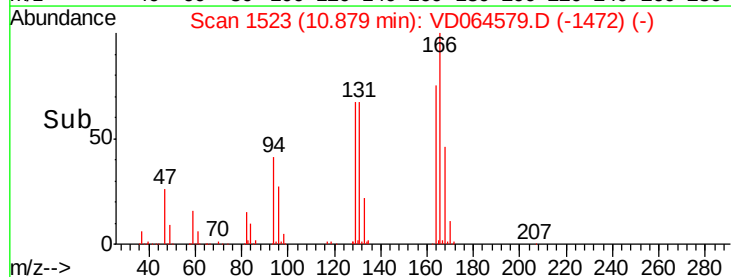
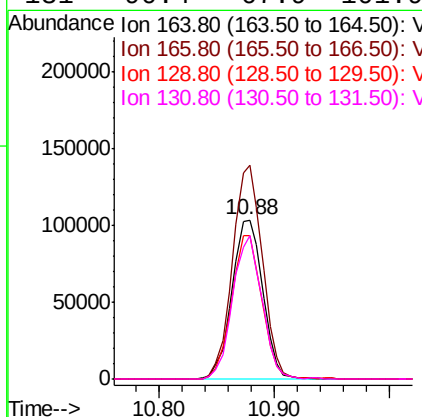
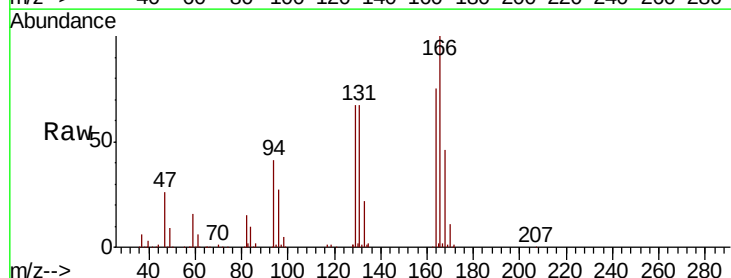
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

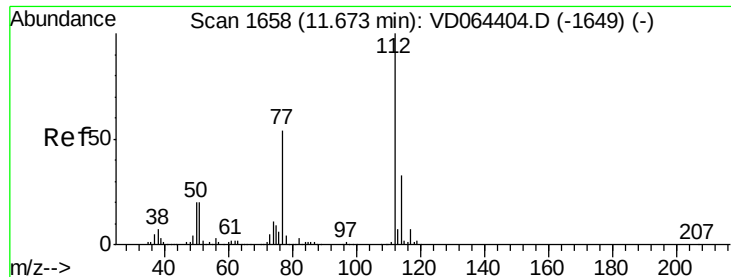
Tot Ion:117 Resp: 522089
Ion Ratio Lower Upper
117 100
82 51.4 41.4 62.2
119 33.2 26.2 39.2



#64
Tetrachloroethene
Concen: 48.020 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Tgt Ion:164 Resp: 191183
Ion Ratio Lower Upper
164 100
166 134.1 104.8 157.2
129 90.4 68.7 103.1
131 90.4 67.9 101.9

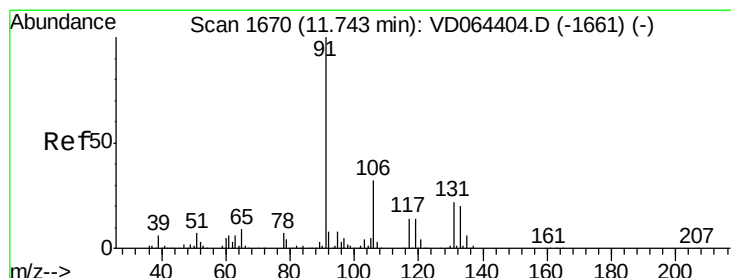
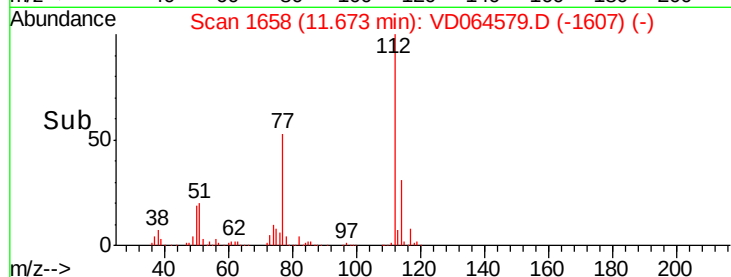
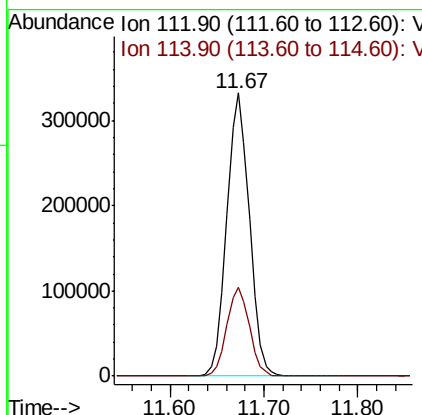
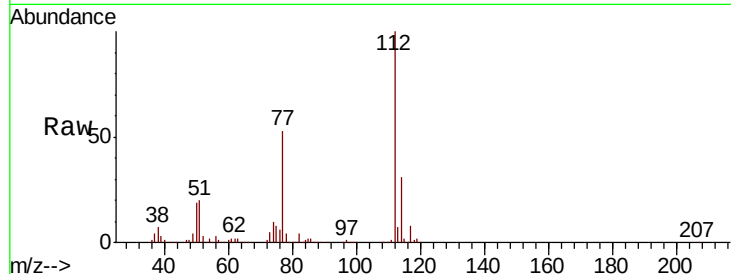




#65
Chlorobenzene
Concen: 51.030 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

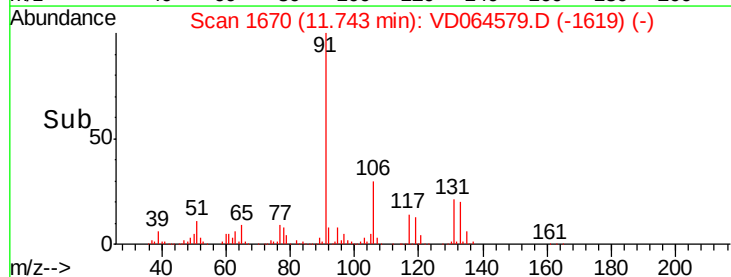
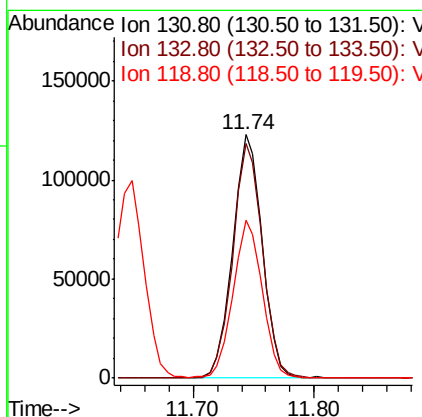
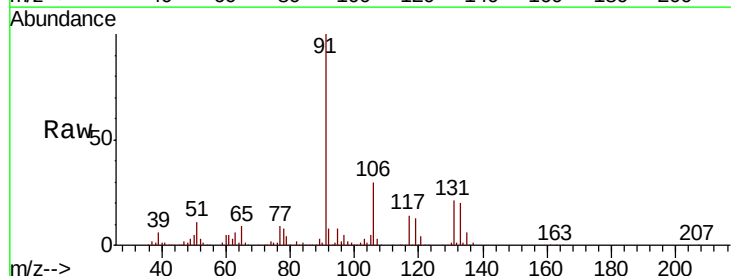
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

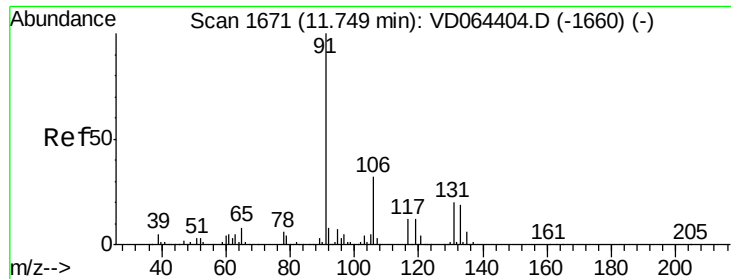
Tot Ion:112 Resp: 555670
Ion Ratio Lower Upper
112 100
114 31.4 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 51.902 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Tgt Ion:131 Resp: 209216
Ion Ratio Lower Upper
131 100
133 97.0 48.3 144.9
119 64.4 31.9 95.9

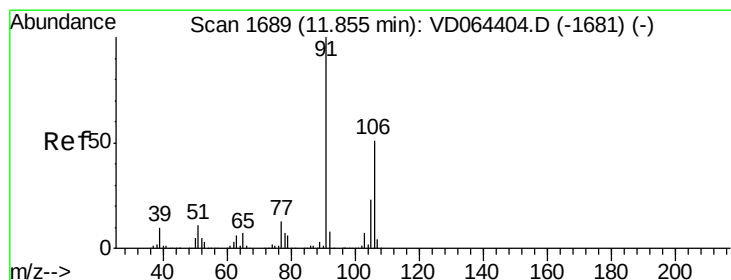
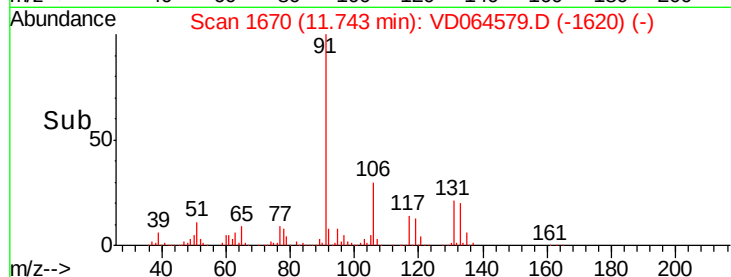
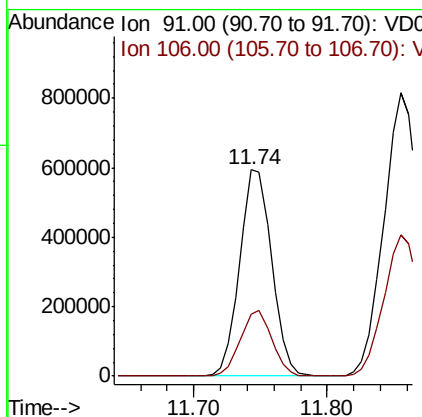
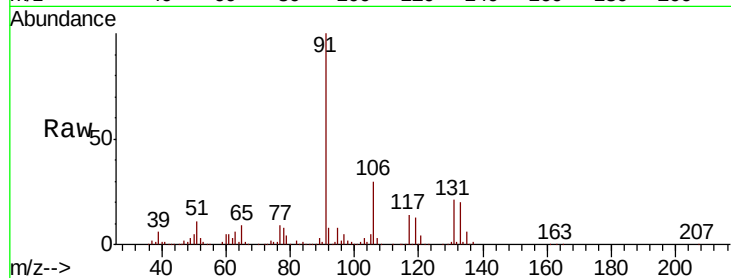




#67
Ethyl Benzene
Concen: 51.182 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

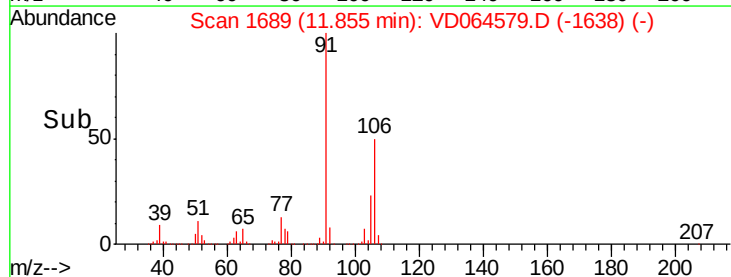
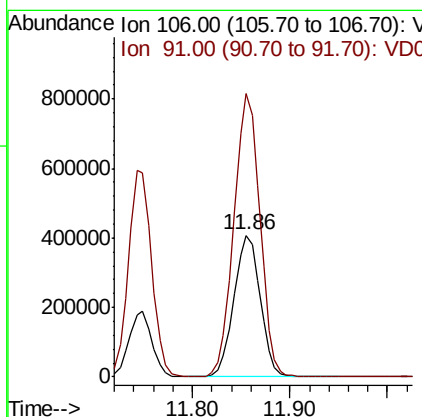
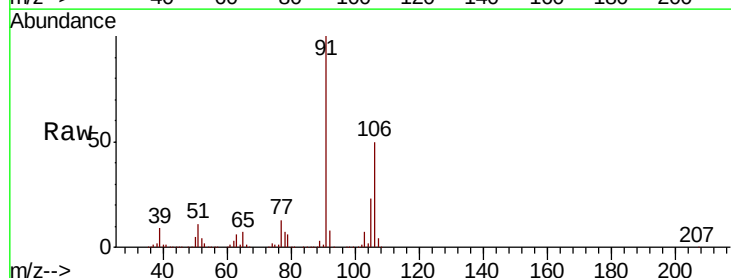
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

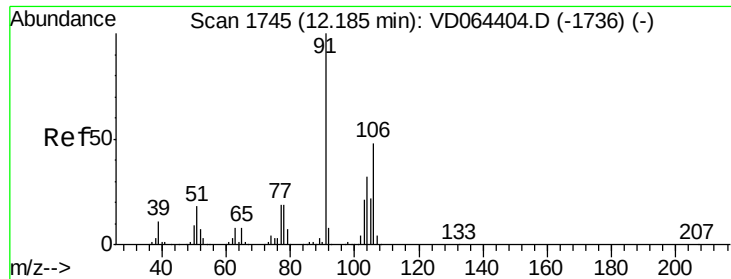
Tot Ion: 91 Resp: 991608
Ion Ratio Lower Upper
91 100
106 29.9 25.8 38.8



#68
m/p-Xylenes
Concen: 103.324 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Tgt Ion: 106 Resp: 763270
Ion Ratio Lower Upper
106 100
91 198.4 157.4 236.2

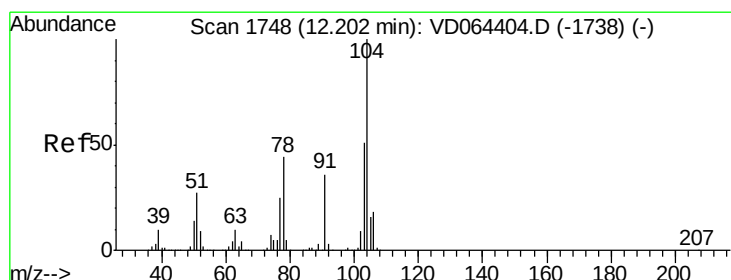
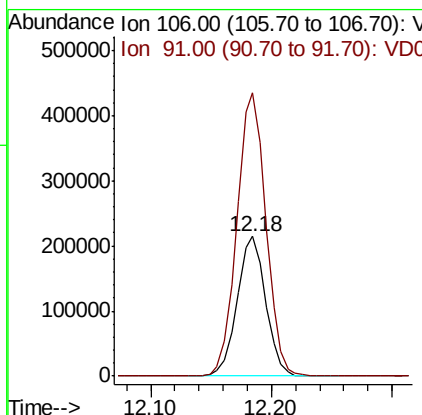
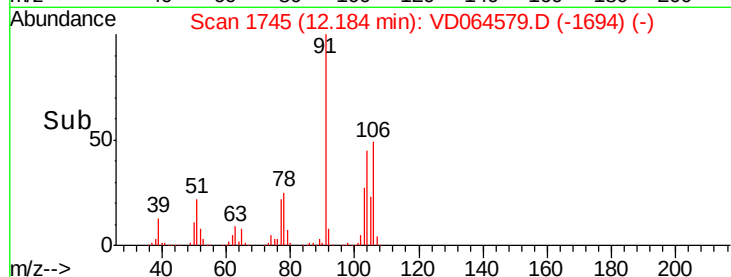
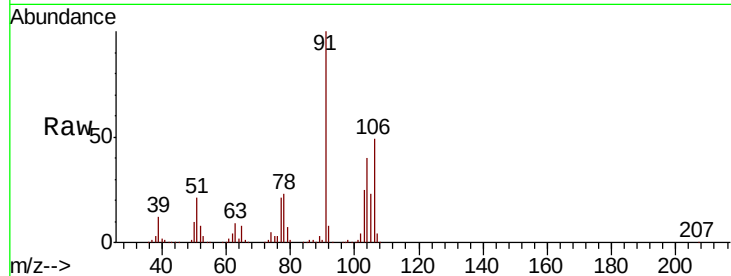




#69
o-Xylene
Concen: 51.721 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

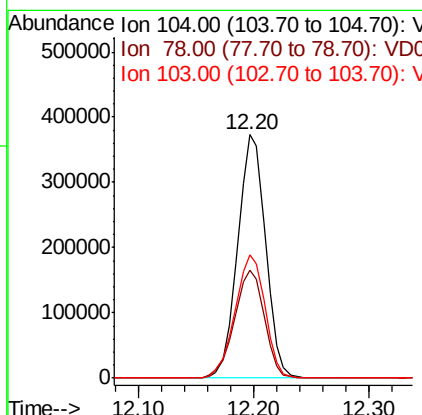
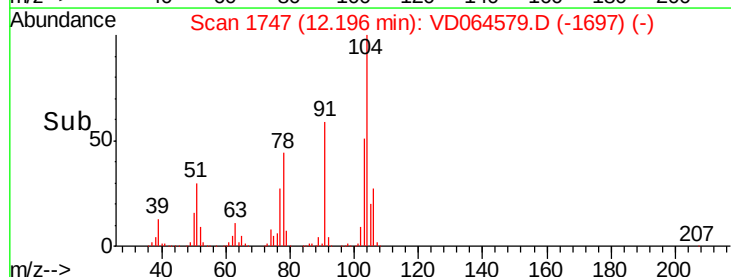
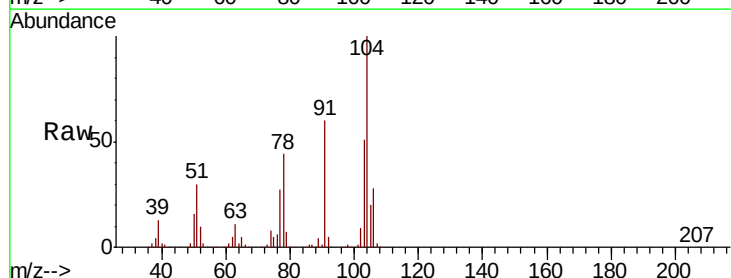
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

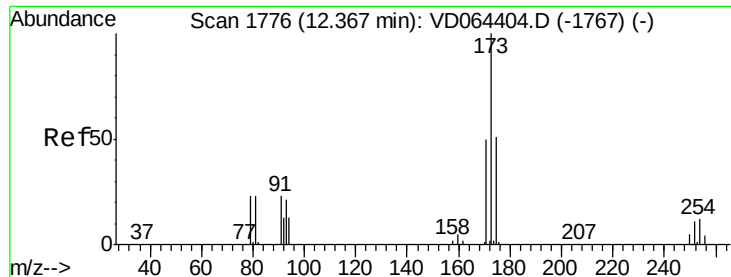
Tot Ion:106 Resp: 352867
Ion Ratio Lower Upper
106 100
91 206.9 103.8 311.4



#70
Styrene
Concen: 52.679 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Tgt Ion:104 Resp: 624556
Ion Ratio Lower Upper
104 100
78 47.7 38.8 58.2
103 54.7 44.2 66.4





#71

Bromoform

Concen: 49.700 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

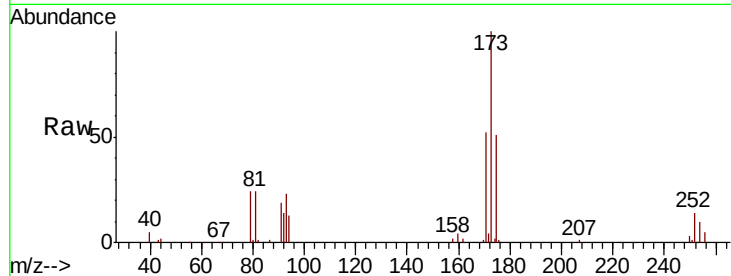
Tot Ion:173 Resp: 119860

Ion Ratio Lower Upper

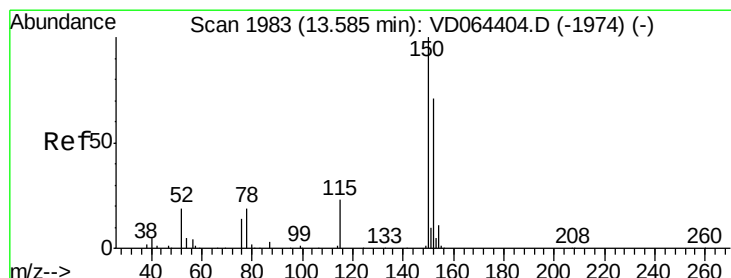
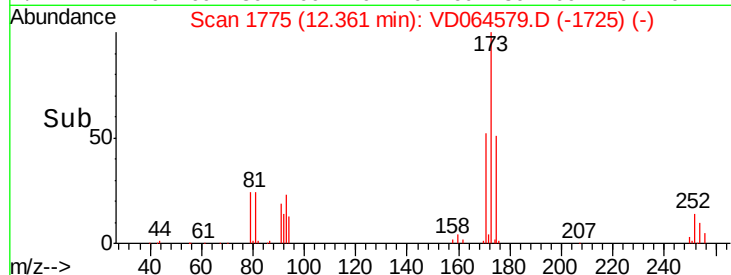
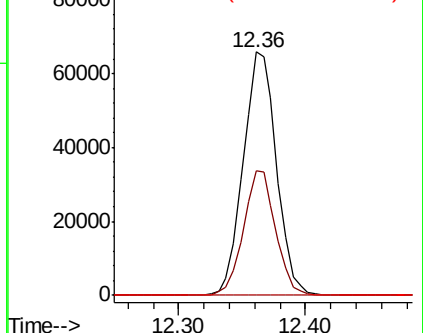
173 100

175 49.3 25.3 75.8

254 0.1 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: VD064579.D

Acq: 23 Dec 2019 20:21

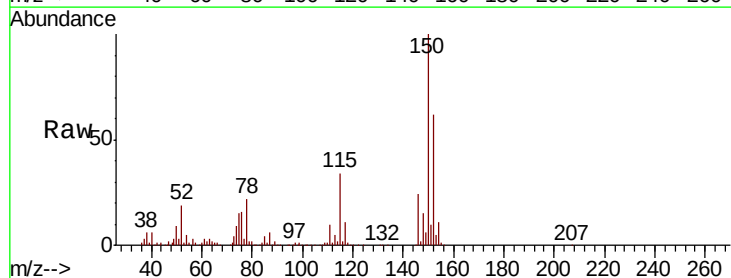
Tgt Ion:152 Resp: 266239

Ion Ratio Lower Upper

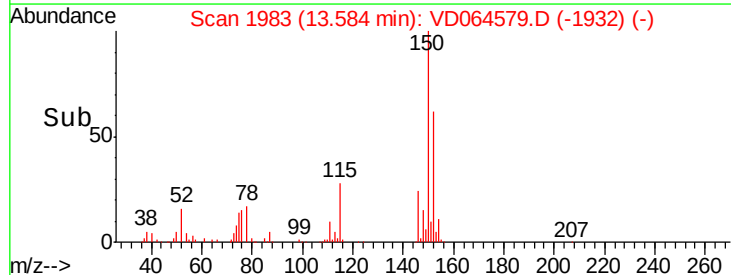
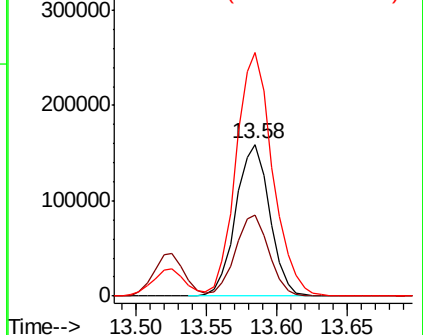
152 100

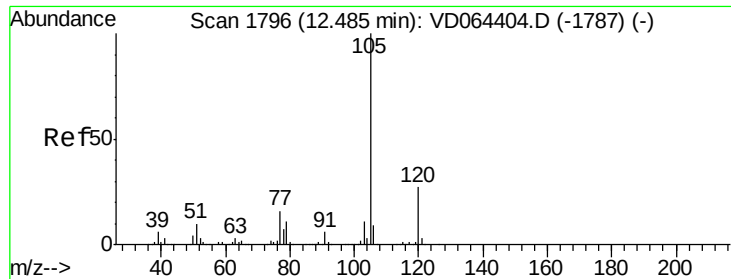
115 53.2 26.7 80.1

150 173.5 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: 48.545 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

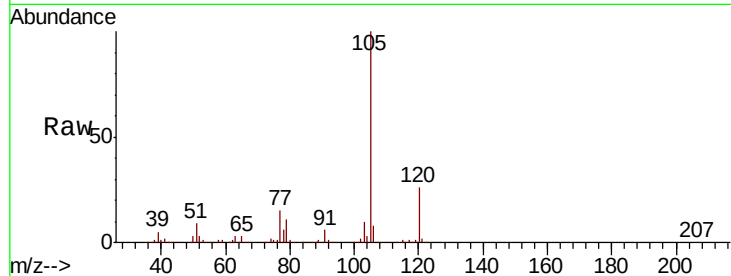
VSTDCCC050EC

Tot Ion:105 Resp: 929545

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

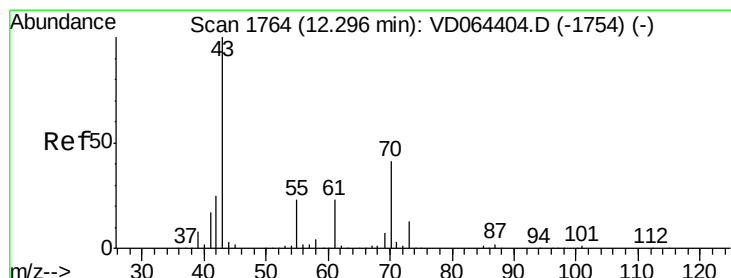
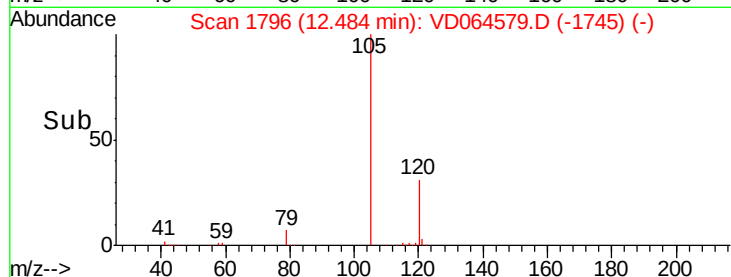
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 47.974 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Tgt Ion: 43 Resp: 208492

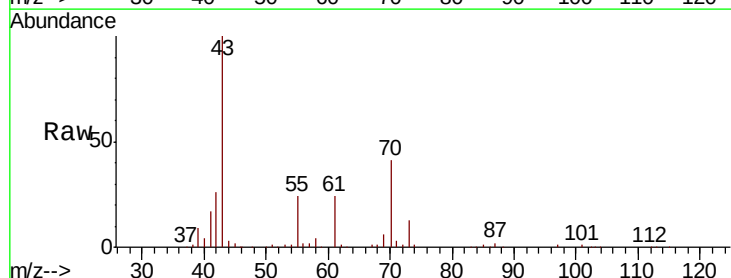
Ion Ratio Lower Upper

43 100

70 42.1 33.4 50.2

55 24.2 18.9 28.3

61 23.0 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

200000

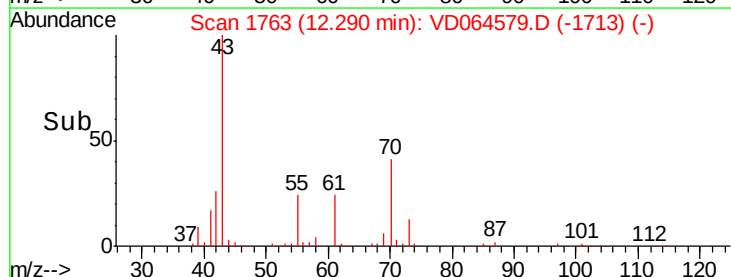
150000

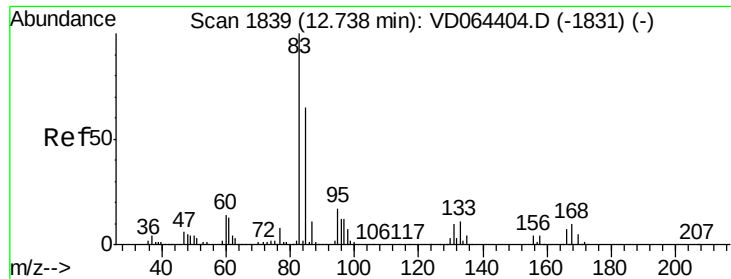
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.309 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

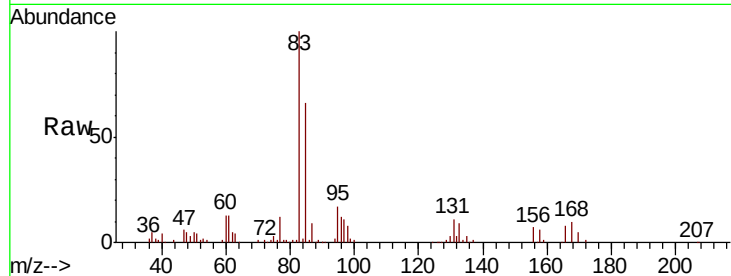
Tot Ion: 83 Resp: 149804

Ion Ratio Lower Upper

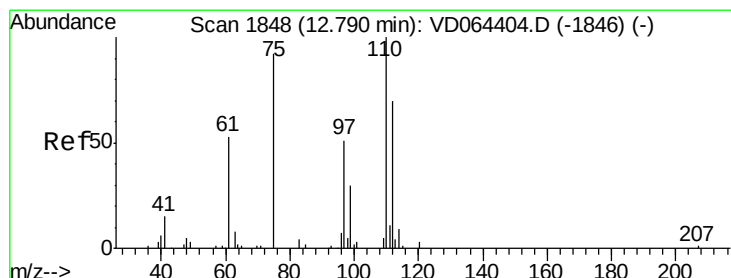
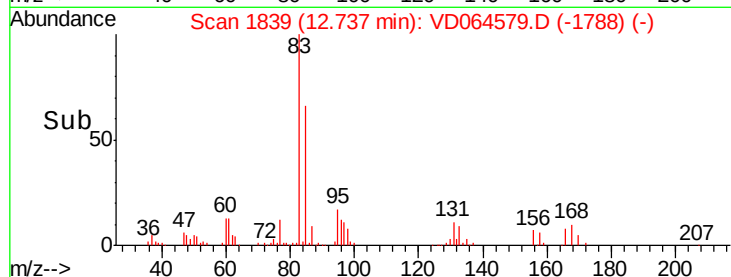
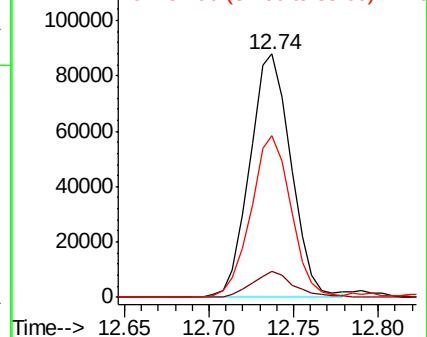
83 100

131 10.9 5.7 17.0

85 64.5 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: 89.818 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD064579.D

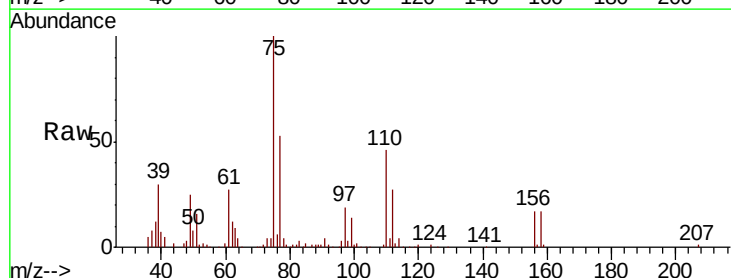
Acq: 23 Dec 2019 20:21

Tgt Ion: 75 Resp: 196654

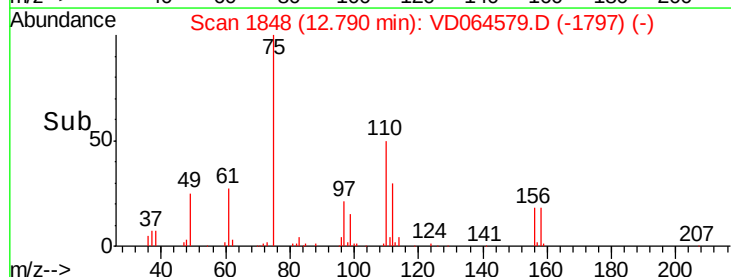
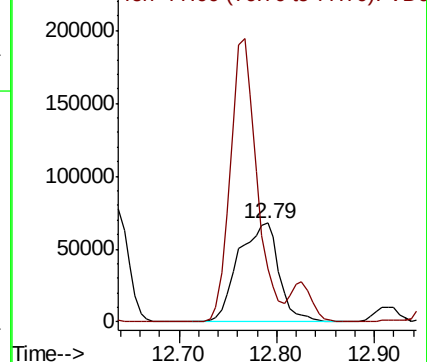
Ion Ratio Lower Upper

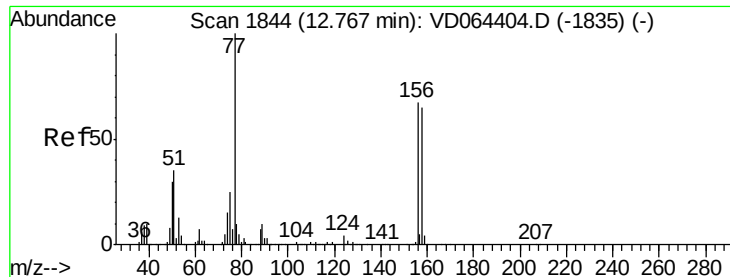
75 100

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: 49.013 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

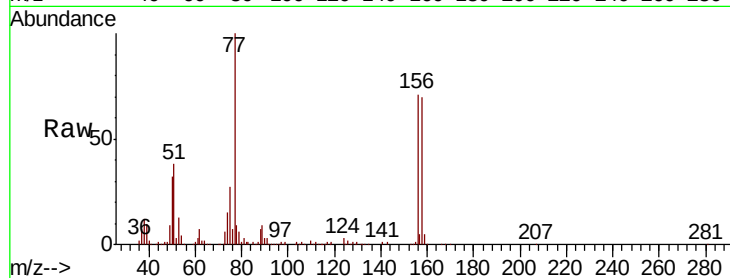
Tot Ion:156 Resp: 231761

Ion Ratio Lower Upper

156 100

77 159.4 80.0 240.2

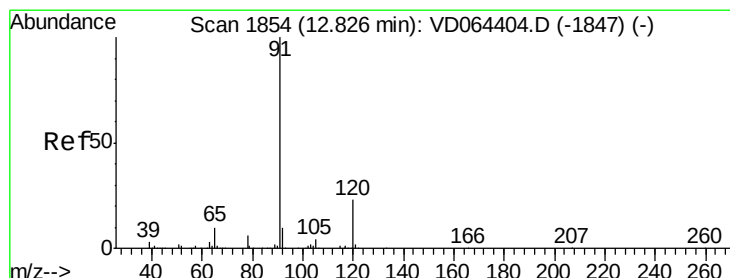
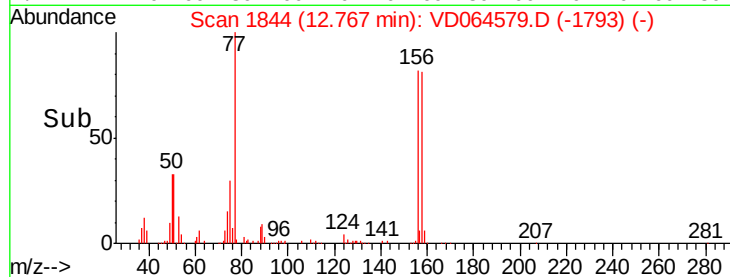
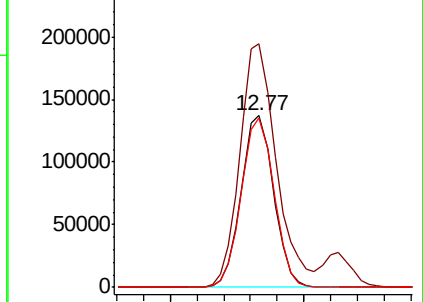
158 99.3 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.097 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064579.D

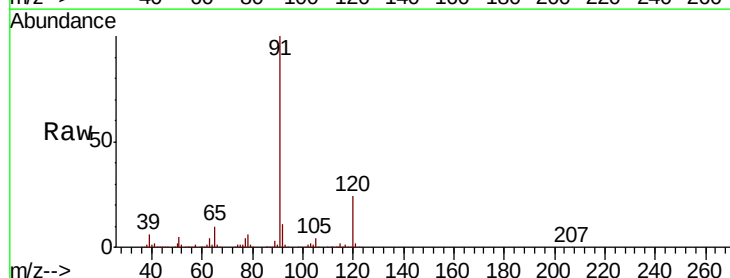
Acq: 23 Dec 2019 20:21

Tgt Ion: 91 Resp: 1084724

Ion Ratio Lower Upper

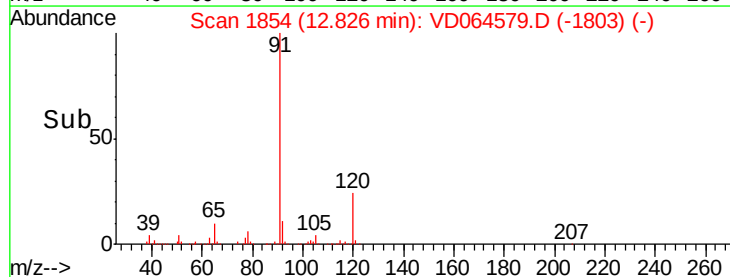
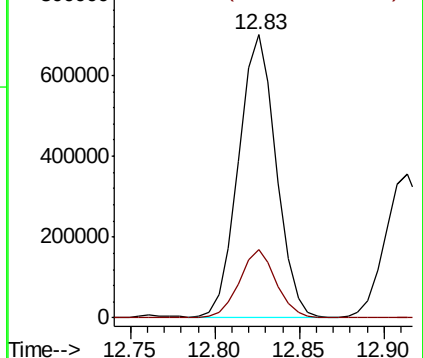
91 100

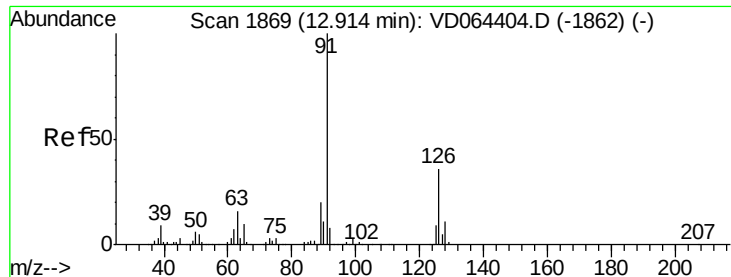
120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

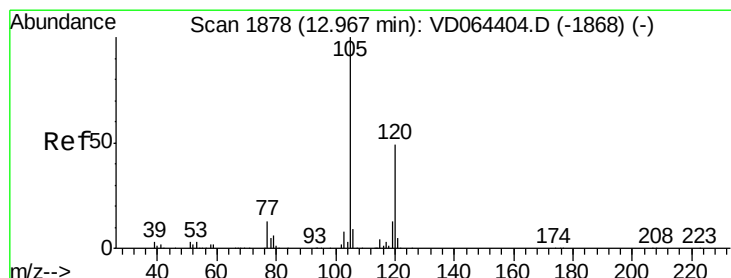
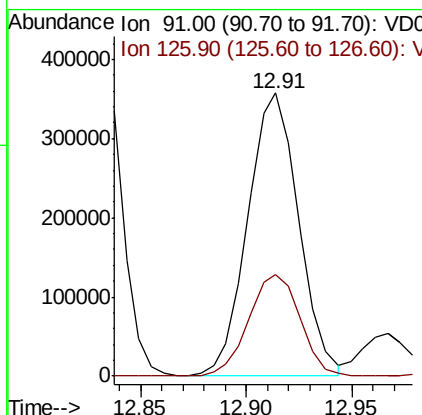
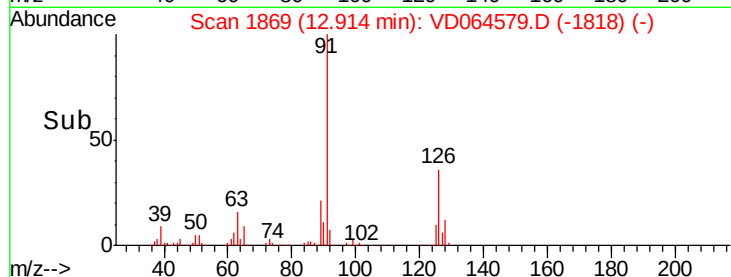
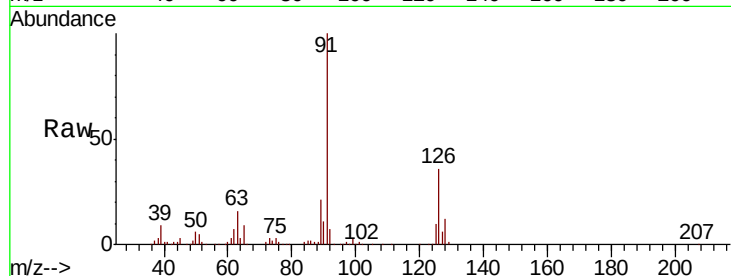




#79
 2-Chlorotoluene
 Concen: 49.109 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

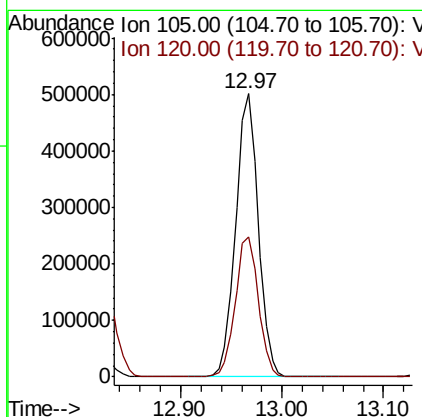
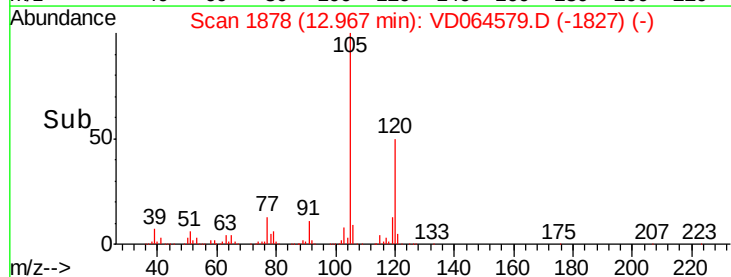
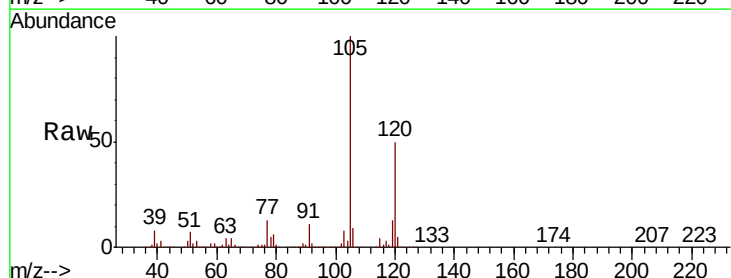
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

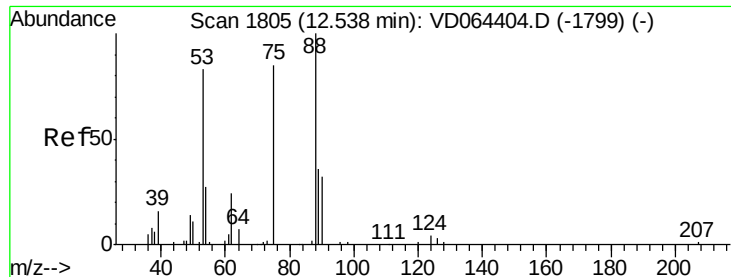
Tot Ion: 91 Resp: 597002
 Ion Ratio Lower Upper
 91 100
 126 36.4 18.0 54.0



#80
 1,3,5-Trimethylbenzene
 Concen: 49.658 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Tgt Ion: 105 Resp: 777036
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 48.905 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

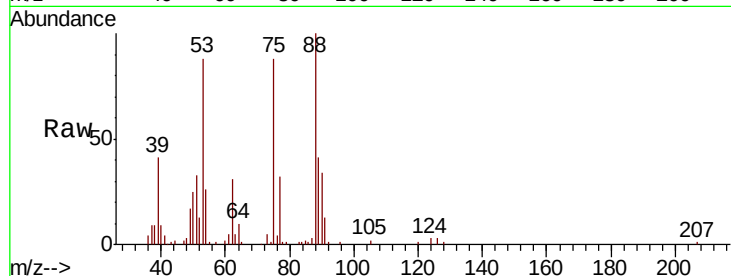
Tot Ion: 75 Resp: 49106

Ion Ratio Lower Upper

75 100

53 97.1 81.0 121.6

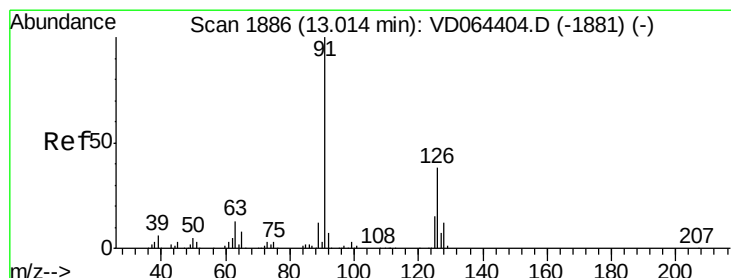
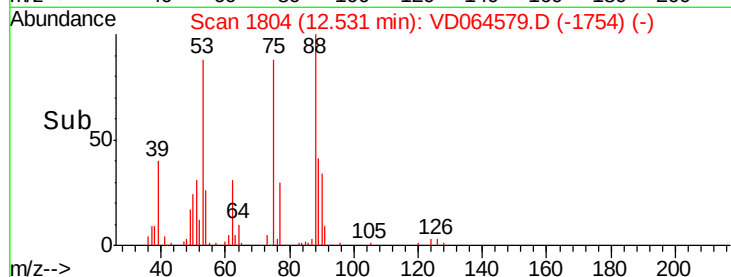
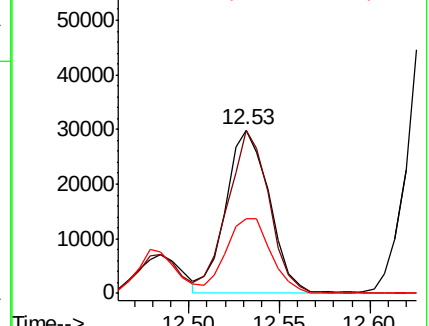
89 47.5 38.5 57.7



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: 49.647 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064579.D

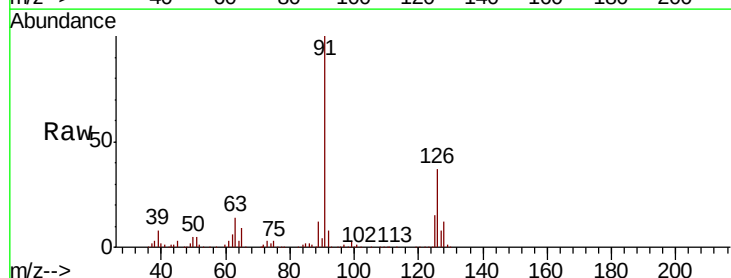
Acq: 23 Dec 2019 20:21

Tgt Ion: 91 Resp: 639021

Ion Ratio Lower Upper

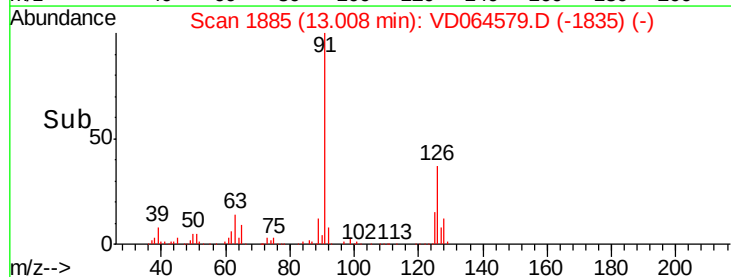
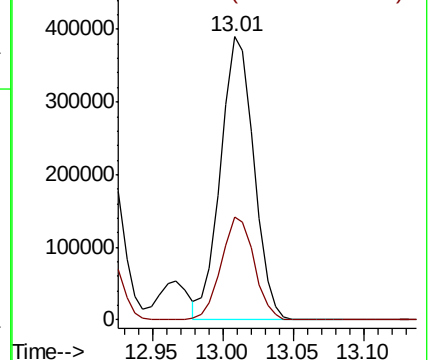
91 100

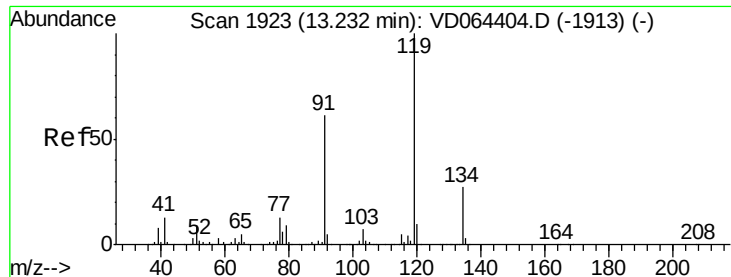
126 36.1 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

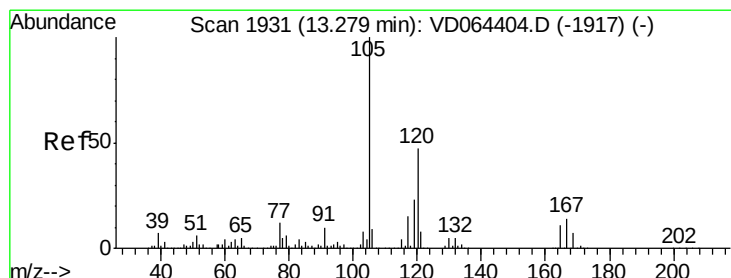
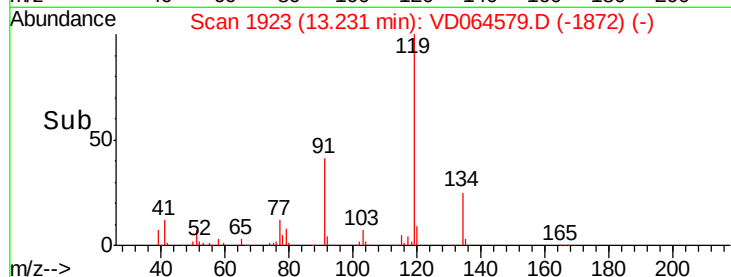
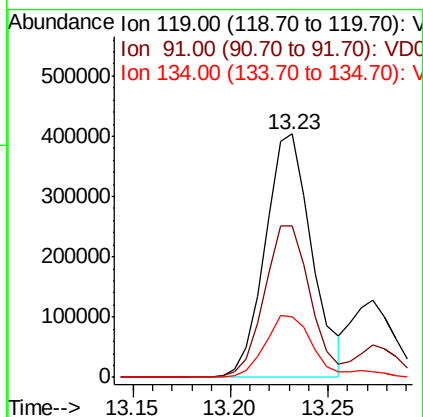
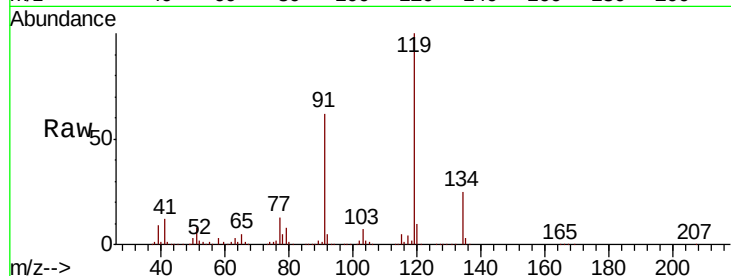




#83
 tert-Butylbenzene
 Concen: 49.191 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

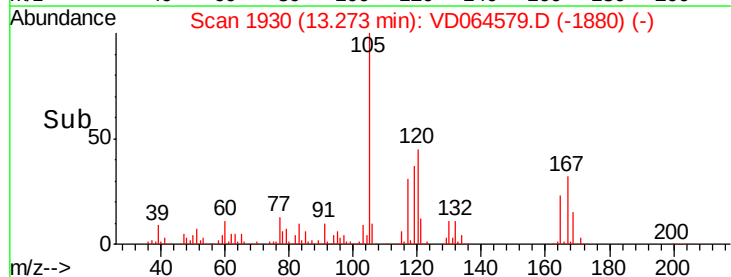
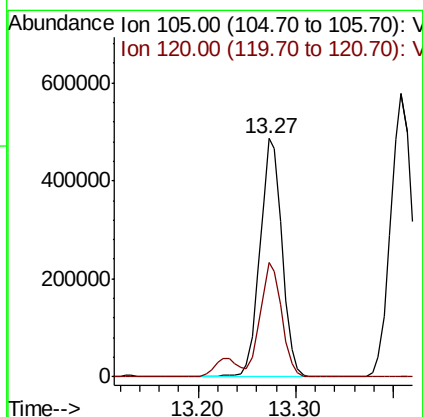
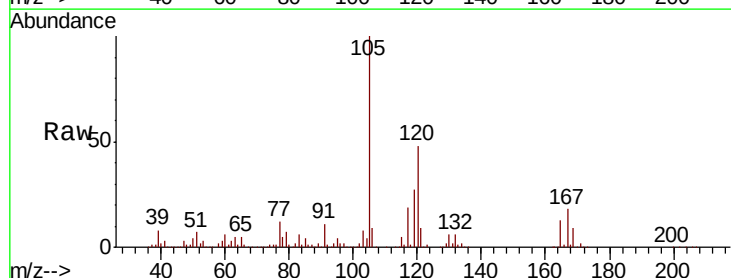
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

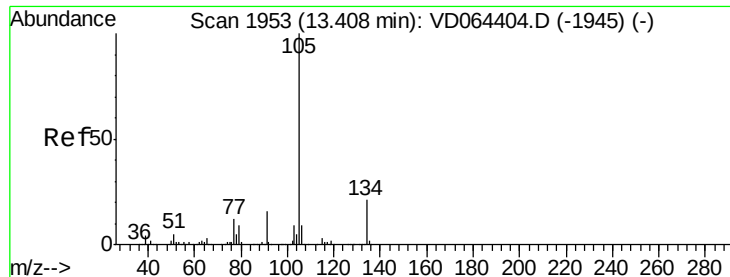
Tot Ion:119 Resp: 669188
 Ion Ratio Lower Upper
 119 100
 91 61.2 31.2 93.6
 134 27.3 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 49.294 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Tgt Ion:105 Resp: 775614
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.6 70.8





#85

sec-Butylbenzene

Concen: 48.208 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

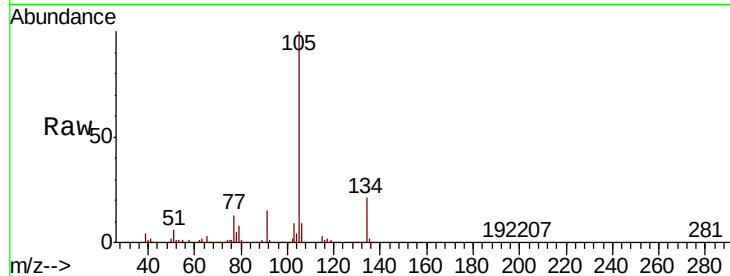
VSTDCCC050EC

Tot Ion:105 Resp: 900097

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

13.41

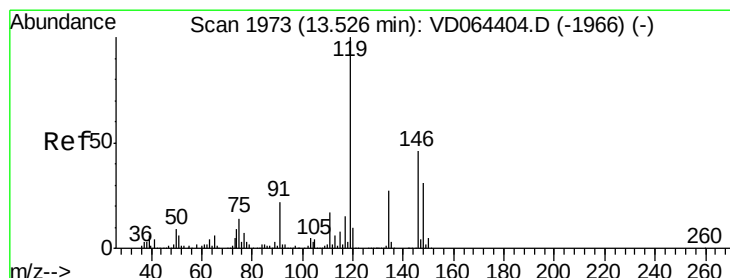
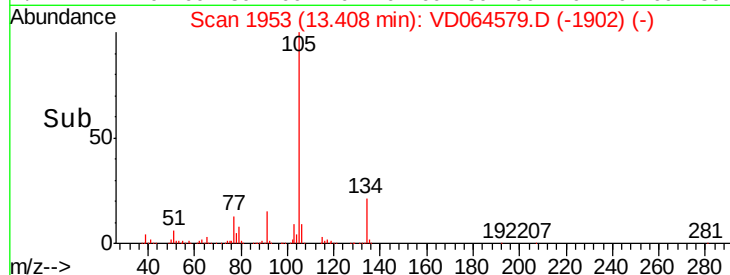
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 49.641 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

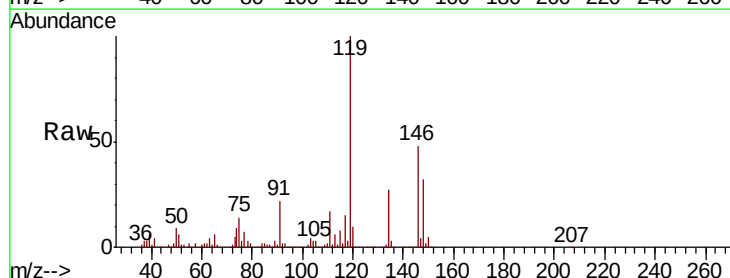
Tgt Ion:119 Resp: 875020

Ion Ratio Lower Upper

119 100

134 26.3 13.5 40.4

91 21.9 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

13.53

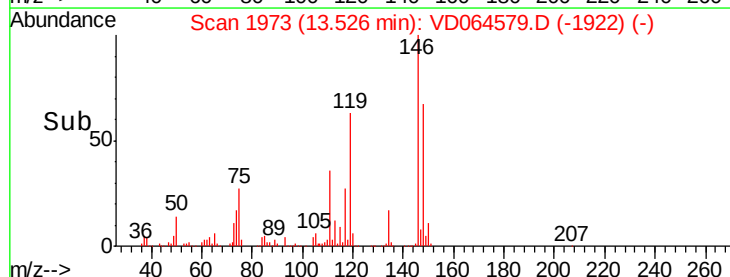
600000

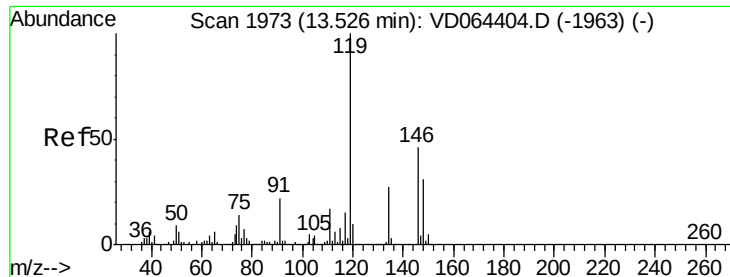
400000

200000

0

Time--> 13.45 13.50 13.55 13.60

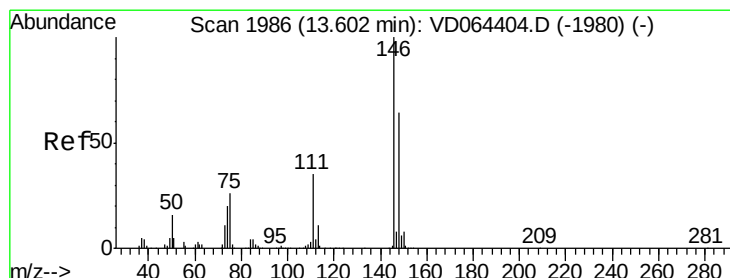
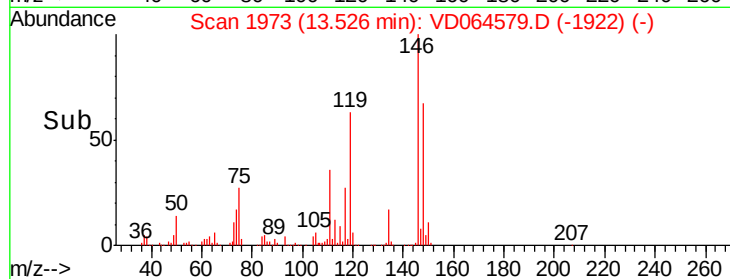
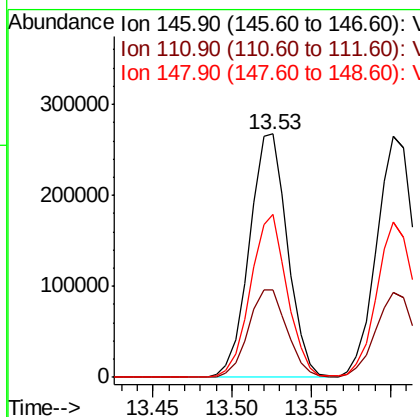
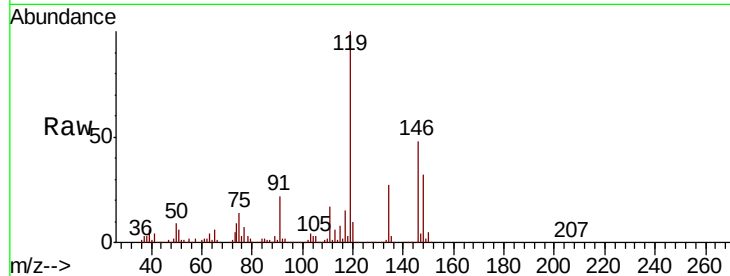




#87
 1,3-Dichlorobenzene
 Concen: 49.835 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

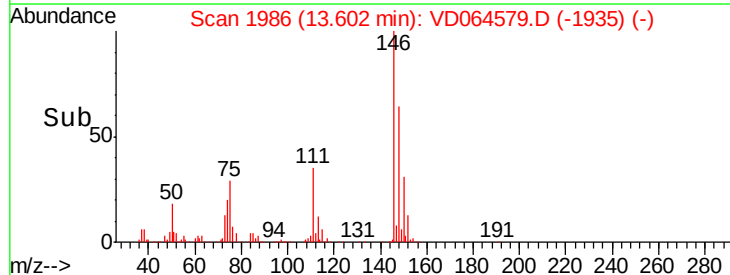
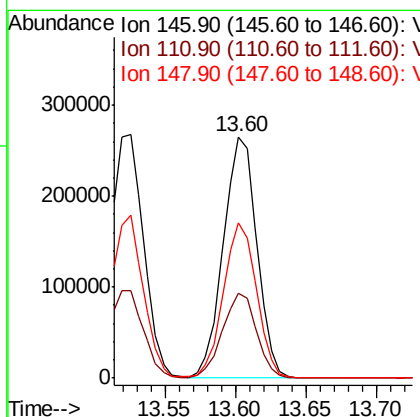
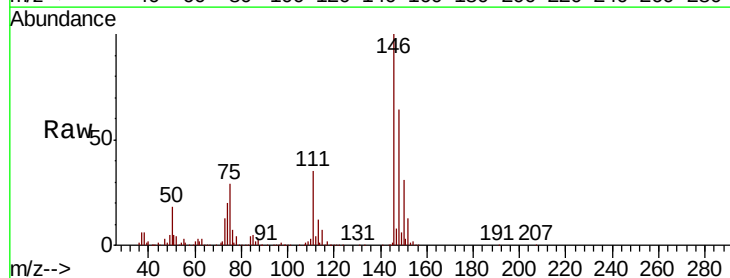
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

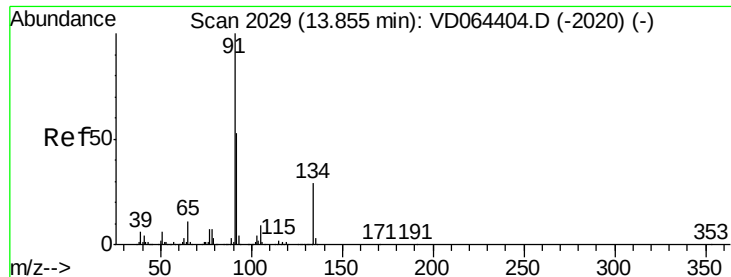
Tot Ion:146 Resp: 447261
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.8 56.4
 148 64.0 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 49.526 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Tgt Ion:146 Resp: 438835
 Ion Ratio Lower Upper
 146 100
 111 35.8 18.2 54.6
 148 63.7 31.8 95.4





#89

n-Butylbenzene

Concen: 48.196 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. -0.01 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

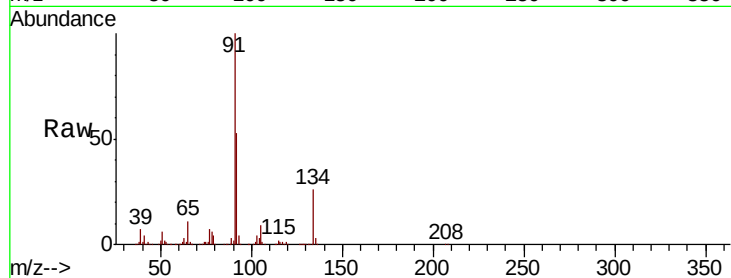
Tot Ion: 91 Resp: 771500

Ion Ratio Lower Upper

91 100

92 53.3 26.5 79.4

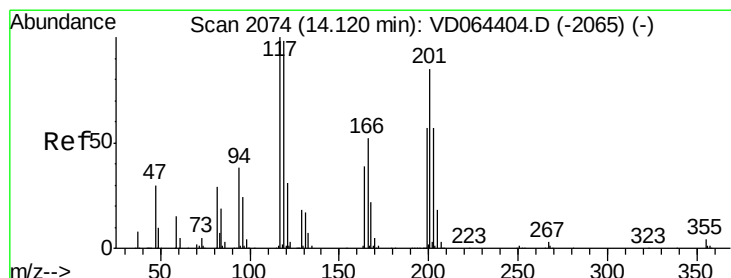
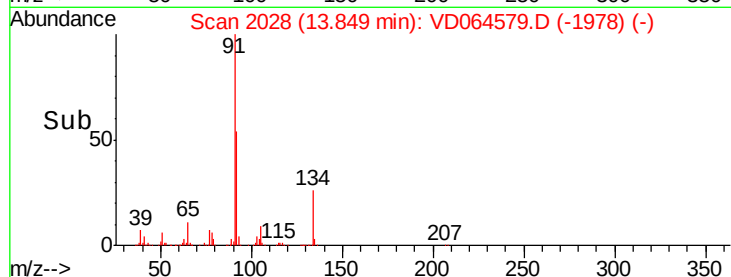
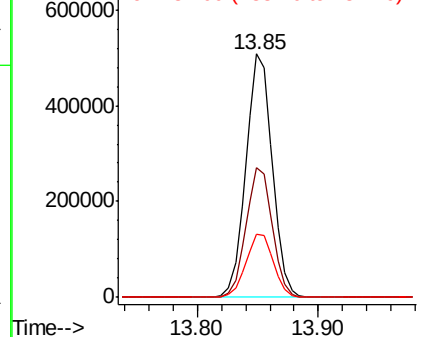
134 27.2 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 48.711 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD064579.D

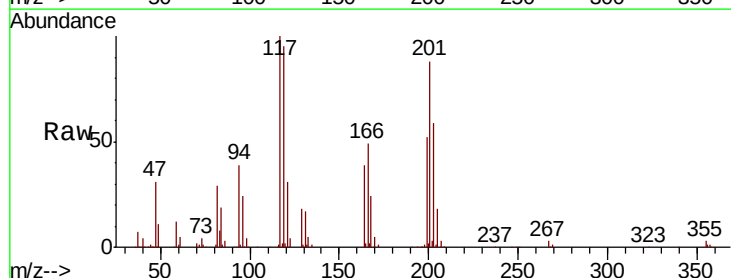
Acq: 23 Dec 2019 20:21

Tgt Ion: 117 Resp: 160598

Ion Ratio Lower Upper

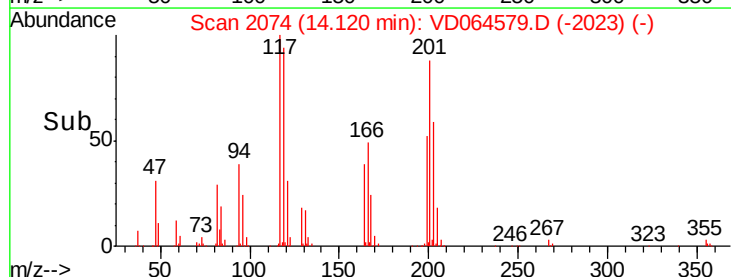
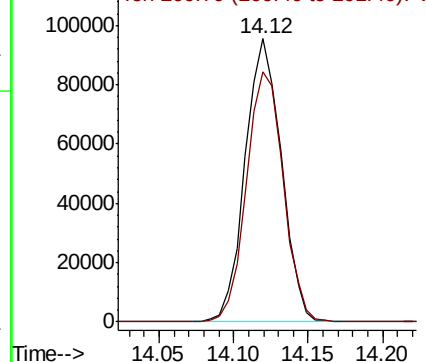
117 100

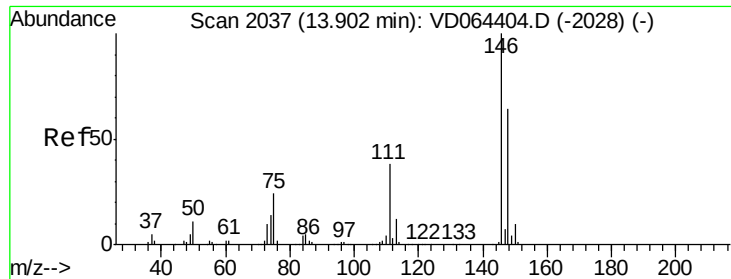
201 89.7 44.3 132.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

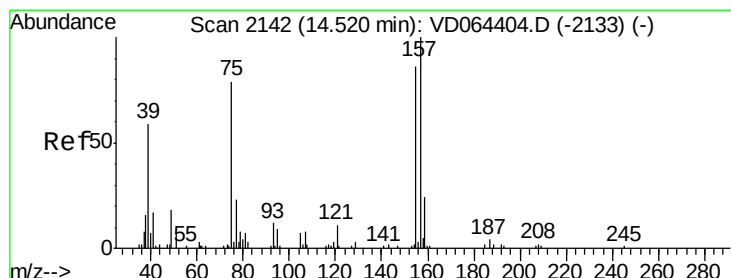
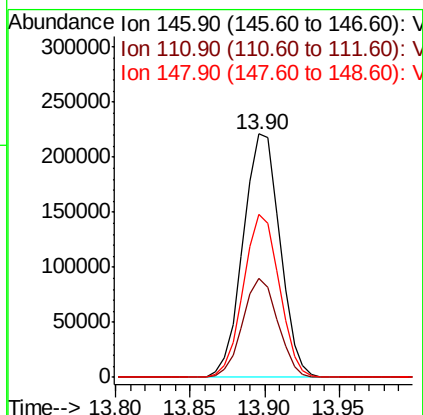
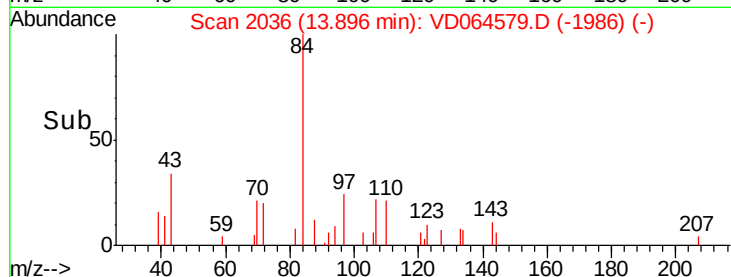
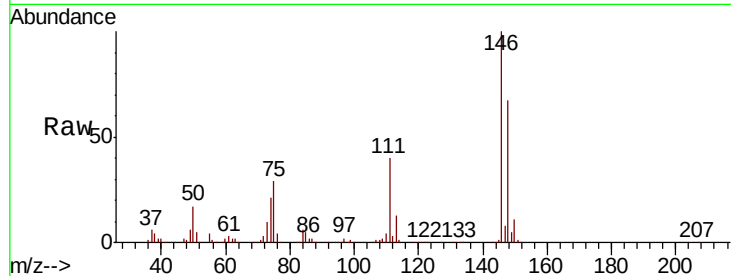




#91
 1,2-Dichlorobenzene
 Concen: 49.307 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

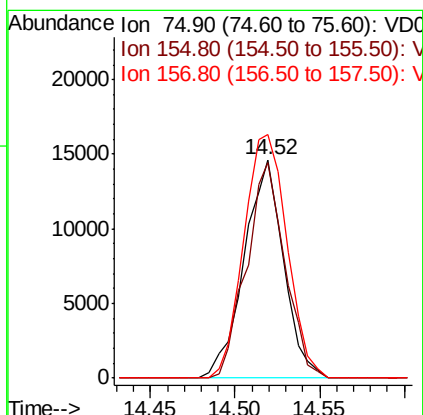
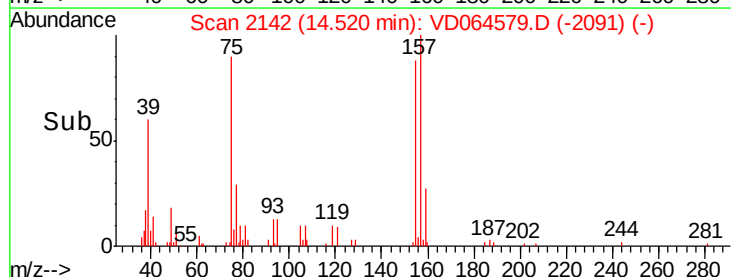
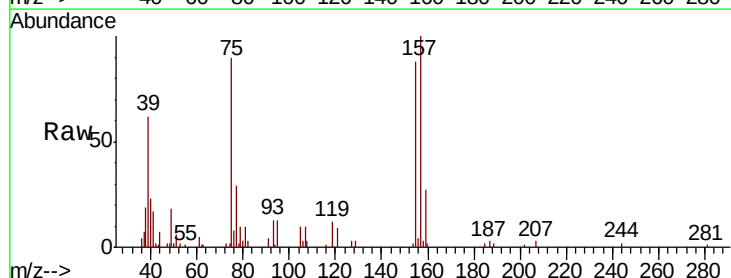
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

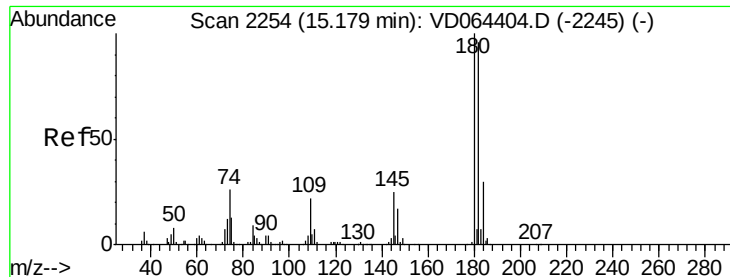
Tot Ion:146 Resp: 378182
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.1 57.3
 148 65.4 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.271 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Tgt Ion: 75 Resp: 23774
 Ion Ratio Lower Upper
 75 100
 155 96.4 51.9 155.7
 157 122.1 63.2 189.8

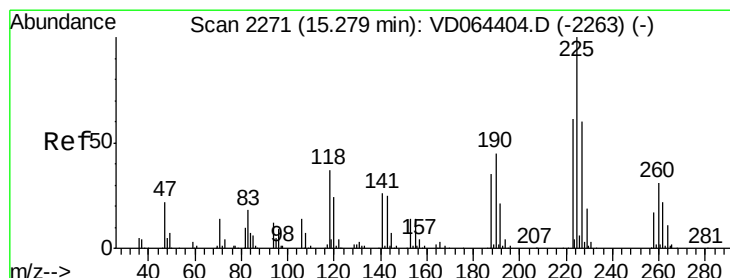
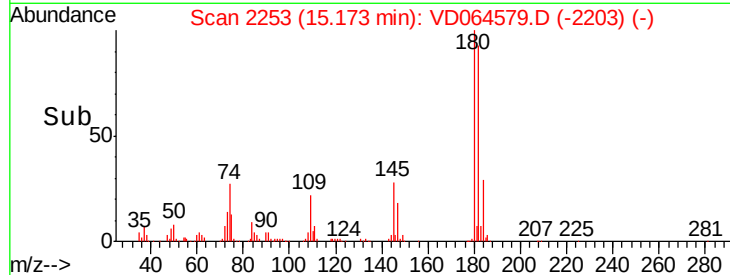
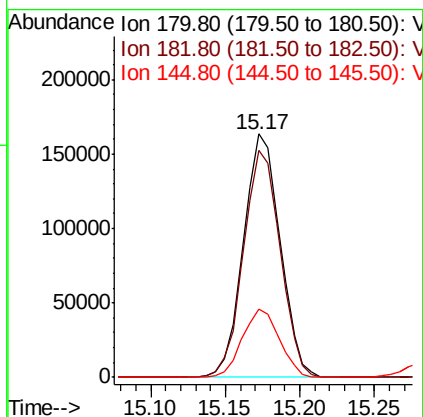
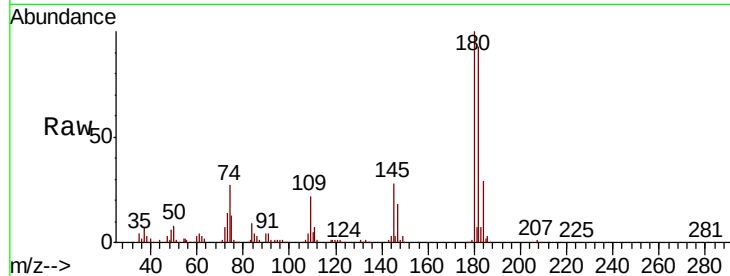




#93
 1,2,4-Trichlorobenzene
 Concen: 47.404 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

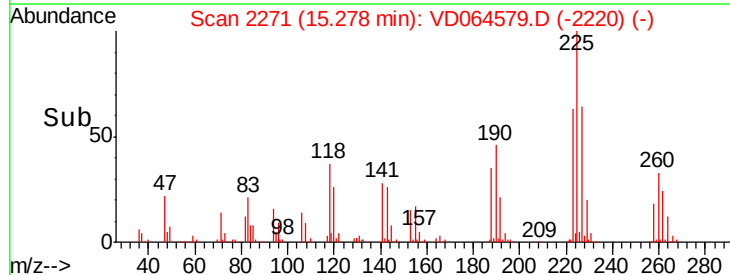
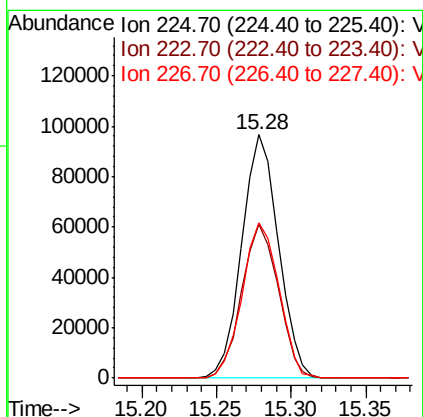
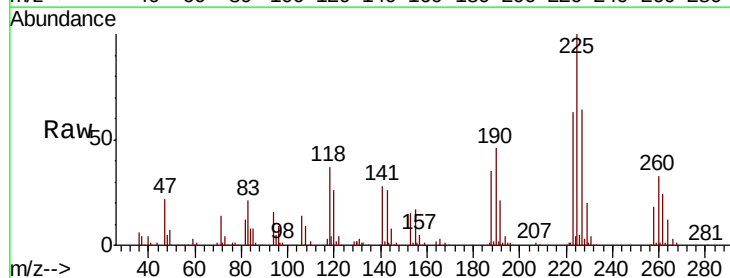
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

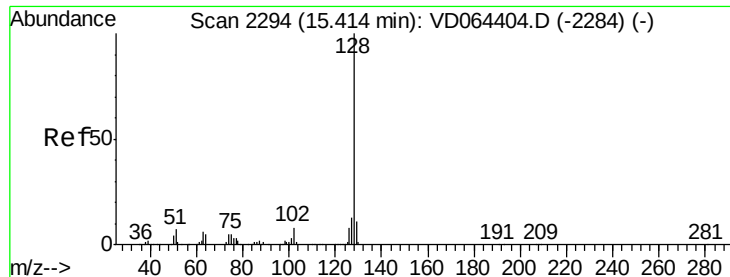
Tot Ion:180 Resp: 278451
 Ion Ratio Lower Upper
 180 100
 182 93.5 47.4 142.3
 145 28.3 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 45.356 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Tgt Ion:225 Resp: 164472
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.1 93.3
 227 64.2 31.8 95.4





#95

Naphthalene

Concen: 45.137 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

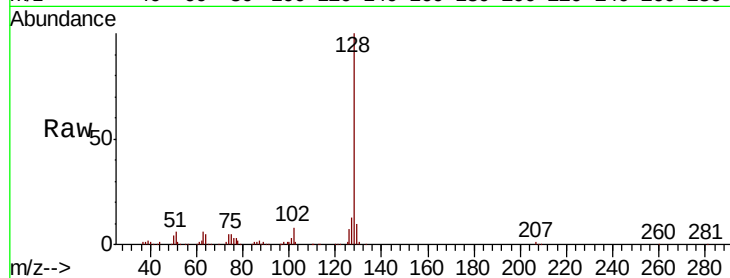
Tot Ion:128 Resp: 442484

Ion Ratio Lower Upper

128 100

127 13.8 10.5 15.7

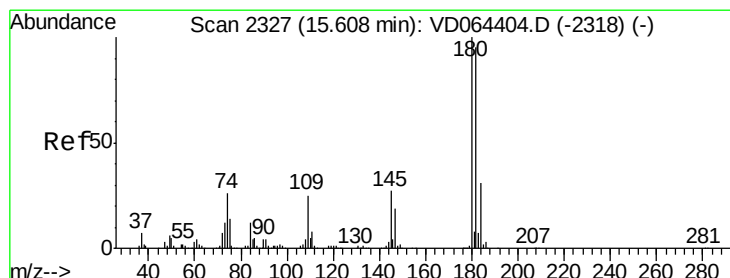
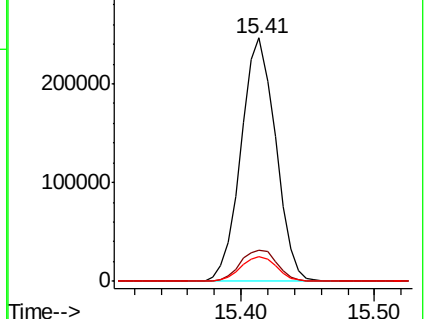
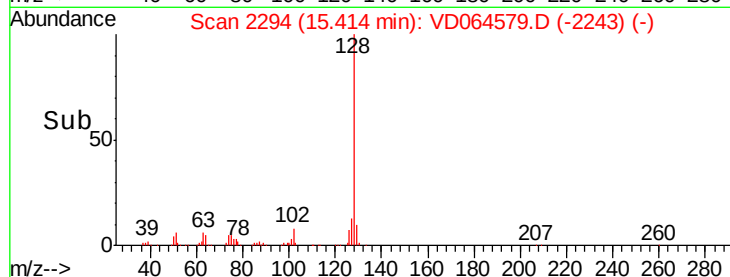
129 10.6 8.8 13.2



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: 47.003 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

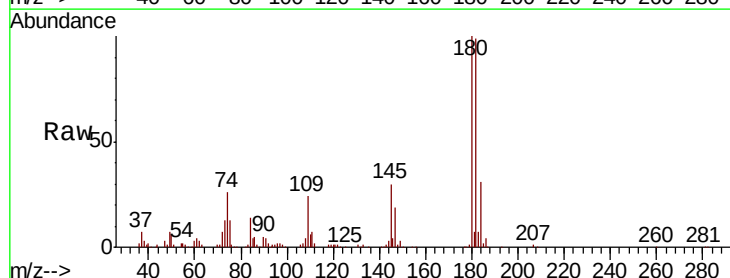
Tgt Ion:180 Resp: 235679

Ion Ratio Lower Upper

180 100

182 94.6 47.6 142.9

145 29.7 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

