

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121719\
 Data File : VD064536.D
 Acq On : 17 Dec 2019 10:36
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 18 00:46:08 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	409563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	587382	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	518756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	253975	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	190390	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
35) Dibromofluoromethane	7.92	113	203015	54.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.72%	
50) Toluene-d8	10.34	98	754163	54.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.20%	
62) 4-Bromofluorobenzene	12.64	95	233525	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	168669	45.451	ug/l	98
3) Chloromethane	2.21	50	215962	46.139	ug/l	97
4) Vinyl Chloride	2.35	62	266679	49.346	ug/l	100
5) Bromomethane	2.77	94	176959	44.278	ug/l	98
6) Chloroethane	2.93	64	178824	49.505	ug/l	98
7) Trichlorofluoromethane	3.27	101	468486	52.145	ug/l	99
8) Diethyl Ether	3.70	74	88622	47.469	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	197982	51.395	ug/l	97
10) Methyl Iodide	4.30	142	206997	50.884	ug/l	99
11) Tert butyl alcohol	5.26	59	47630	201.840	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	185310	50.198	ug/l	97
13) Acrolein	3.92	56	71500	222.139	ug/l	100
14) Allyl chloride	4.71	41	287856	49.964	ug/l	98
15) Acrylonitrile	5.43	53	185071	226.695	ug/l	98
16) Acetone	4.17	43	216672	289.228	ug/l	96
17) Carbon Disulfide	4.40	76	552510	47.256	ug/l	98
18) Methyl Acetate	4.73	43	96935	44.360	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	398693	47.082	ug/l	98
20) Methylene Chloride	4.96	84	189491	49.761	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	208065	49.827	ug/l	99
22) Diisopropyl ether	6.37	45	569392	50.064	ug/l	97
23) Vinyl Acetate	6.31	43	1617843	241.290	ug/l	99
24) 1,1-Dichloroethane	6.27	63	348645	50.973	ug/l	99
25) 2-Butanone	7.22	43	247989	234.076	ug/l	100
26) 2,2-Dichloropropane	7.21	77	323760	54.430	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	229060	50.315	ug/l	99
28) Bromochloromethane	7.55	49	125864	53.846	ug/l	100
29) Tetrahydrofuran	7.57	42	144224	213.969	ug/l	98
30) Chloroform	7.71	83	364827	51.503	ug/l	99
31) Cyclohexane	7.98	56	316957	53.389	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	343542	52.311	ug/l	99
36) 1,1-Dichloropropene	8.11	75	287292	51.710	ug/l	99
37) Ethyl Acetate	7.30	43	107381	45.550	ug/l	99
38) Carbon Tetrachloride	8.09	117	315901	53.874	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	348616	50.585	ug/l	99
40) Benzene	8.35	78	787232	51.017	ug/l	98
41) Methacrylonitrile	7.53	41	75489	55.837	ug/l	97
42) 1,2-Dichloroethane	8.43	62	221901	49.311	ug/l	99
43) Isopropyl Acetate	8.46	43	218259	47.087	ug/l	99
44) Trichloroethene	9.11	130	234653	50.483	ug/l	97
45) 1,2-Dichloropropane	9.38	63	189525	51.356	ug/l	98
46) Dibromomethane	9.48	93	102072	49.006	ug/l	99
47) Bromodichloromethane	9.66	83	278334	52.007	ug/l	99
48) Methyl methacrylate	9.46	41	98002	46.205	ug/l	95
49) 1,4-Dioxane	9.47	88	22521	875.612	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	529240	230.761	ug/l	100
52) Toluene	10.40	92	515647	51.276	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	258914	50.762	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	314228	51.859	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	137758	48.302	ug/l	97
56) Ethyl methacrylate	10.66	69	171433	47.128	ug/l	98
57) 1,3-Dichloropropane	10.95	76	237103	48.838	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	308895	213.018	ug/l	100
59) 2-Hexanone	10.98	43	390348	245.285	ug/l	99
60) Dibromochloromethane	11.14	129	191845	49.612	ug/l	98
61) 1,2-Dibromoethane	11.25	107	135174	47.469	ug/l	100
64) Tetrachloroethene	10.87	164	204838	51.780	ug/l	94
65) Chlorobenzene	11.67	112	544989	50.371	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	207080	51.702	ug/l	99
67) Ethyl Benzene	11.75	91	993216	51.594	ug/l	100
68) m/p-Xylenes	11.86	106	764691	104.181	ug/l	100
69) o-Xylene	12.18	106	349120	51.501	ug/l	100
70) Styrene	12.20	104	598548	50.810	ug/l	100
71) Bromoform	12.36	173	116055	48.431	ug/l #	98
73) Isopropylbenzene	12.48	105	961121	52.618	ug/l	100
74) N-amyl acetate	12.29	43	200086	48.263	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	143382	47.467	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	191989	91.922	ug/l #	100
77) Bromobenzene	12.77	156	229371	50.850	ug/l	98
78) n-propylbenzene	12.83	91	1107186	52.534	ug/l	100
79) 2-Chlorotoluene	12.91	91	598908	51.644	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	766178	51.328	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	48222	50.344	ug/l	97
82) 4-Chlorotoluene	13.01	91	626038	50.987	ug/l	100
83) tert-Butylbenzene	13.23	119	677014	52.170	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	765714	51.015	ug/l	99
85) sec-Butylbenzene	13.41	105	925242	51.948	ug/l	100
86) p-Isopropyltoluene	13.53	119	874029	51.979	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	432245	50.488	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	418658	49.531	ug/l	99
89) n-Butylbenzene	13.86	91	796051	52.131	ug/l	100
90) Hexachloroethane	14.12	117	167923	53.392	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	366545	50.097	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	21474	47.345	ug/l	97

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

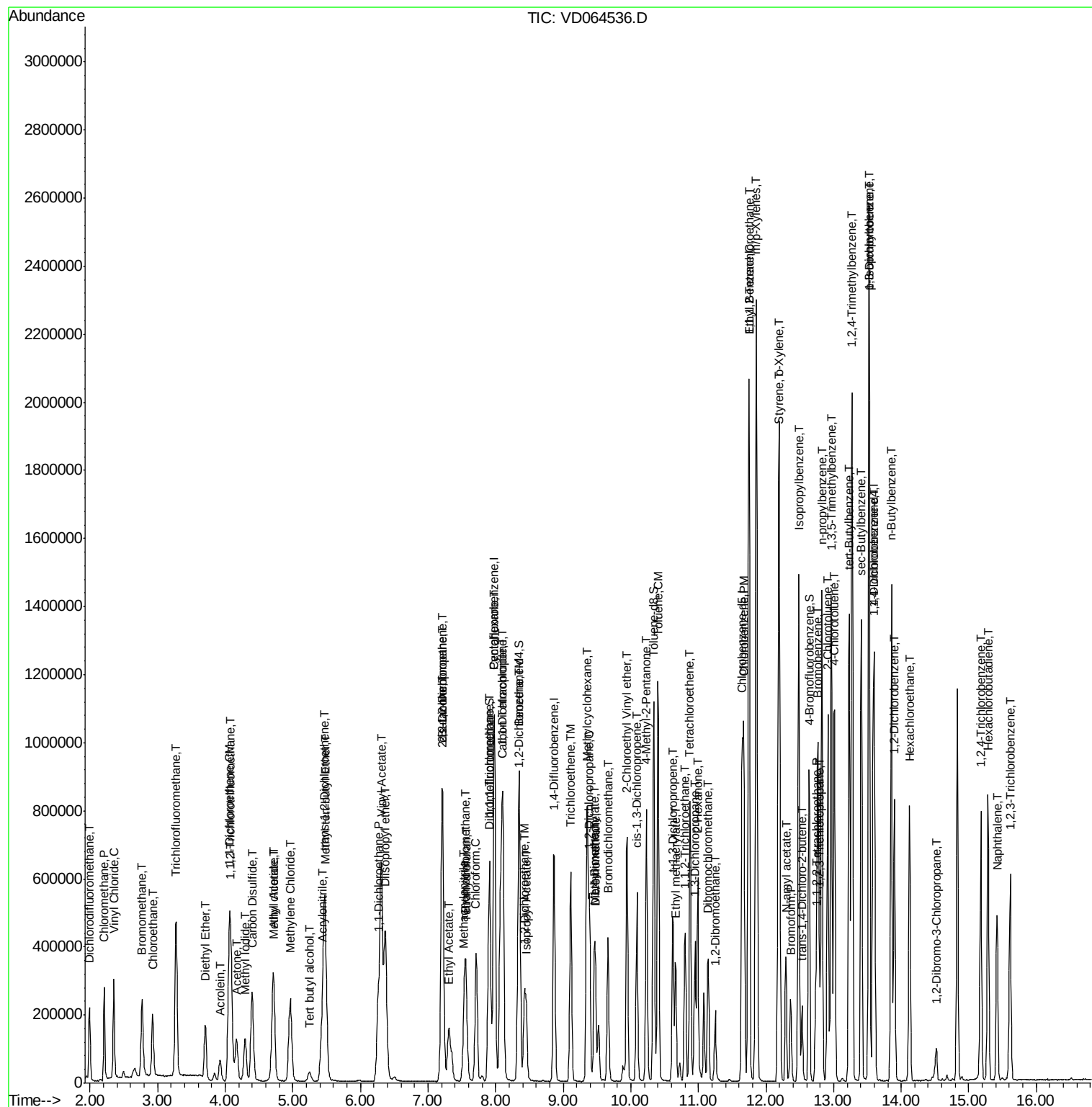
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	271957	48.534	ug/l	99
94) Hexachlorobutadiene	15.28	225	174833	50.541	ug/l	99
95) Naphthalene	15.42	128	433528	46.359	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	228419	47.755	ug/l	99

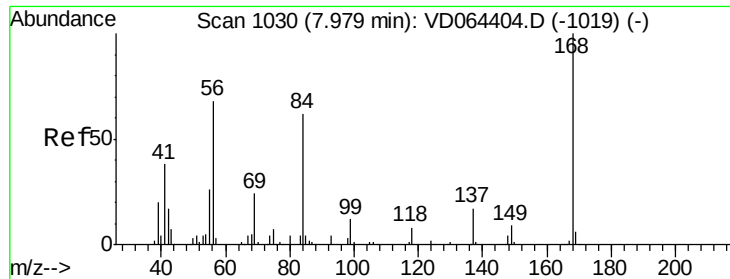
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

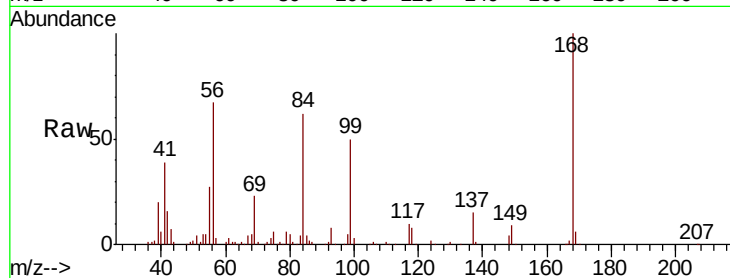
VSTDCCC050

Tgt Ion:168 Resp: 409563

Ion Ratio Lower Upper

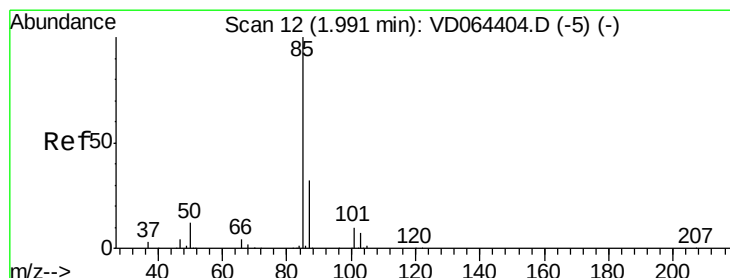
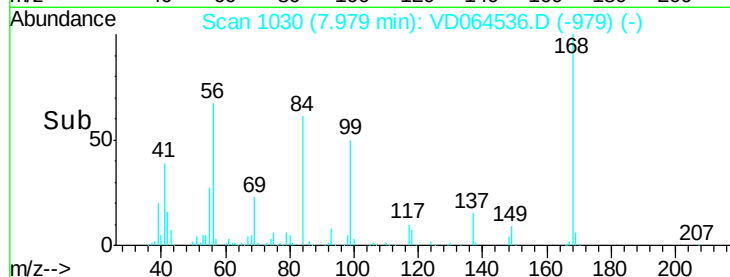
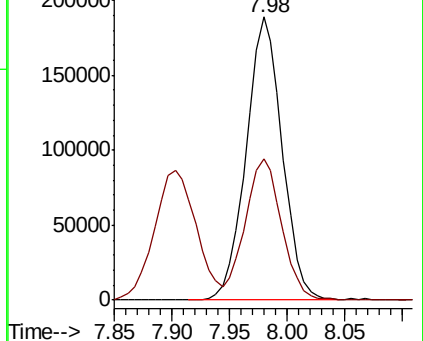
168 100

99 49.9 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: 45.451 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064536.D

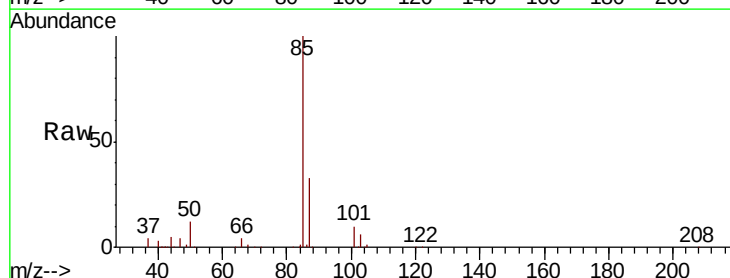
Acq: 17 Dec 2019 10:36

Tgt Ion: 85 Resp: 168669

Ion Ratio Lower Upper

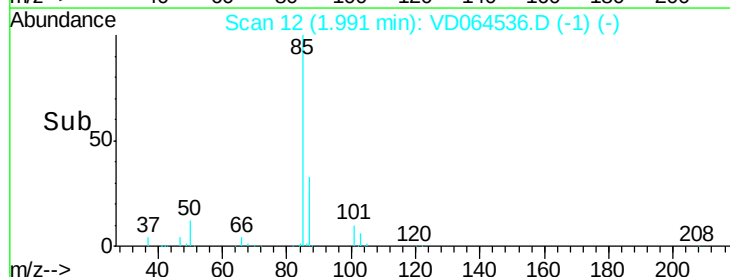
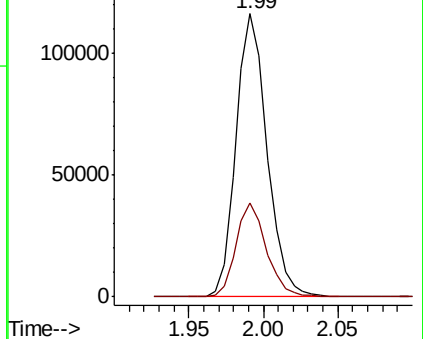
85 100

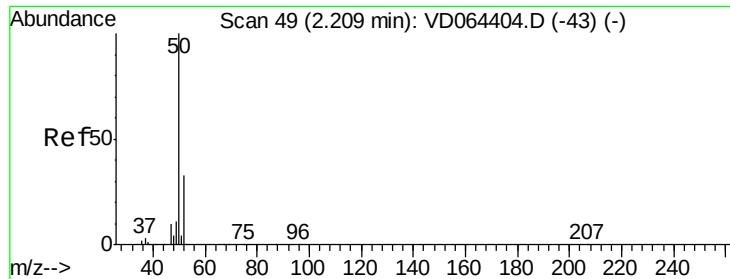
87 33.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.139 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

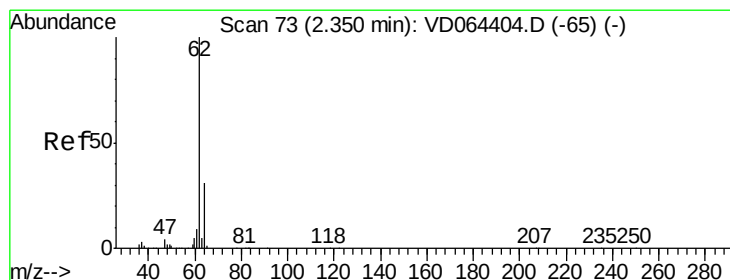
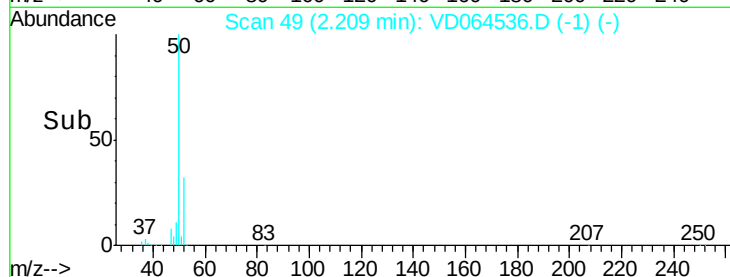
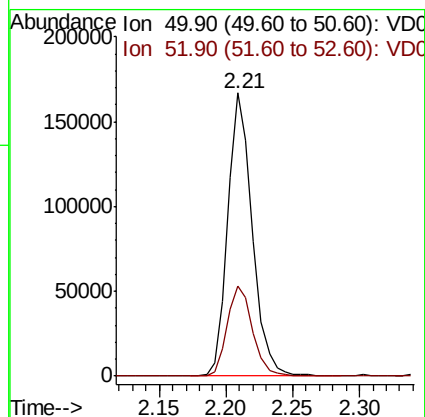
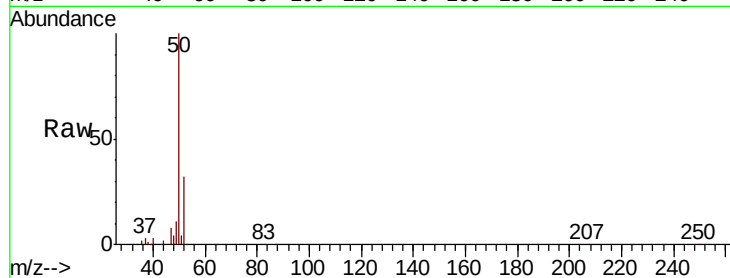
VSTDCCC050

Tgt Ion: 50 Resp: 215962

Ion Ratio Lower Upper

50 100

52 31.9 26.7 40.1



#4

Vinyl Chloride

Concen: 49.346 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064536.D

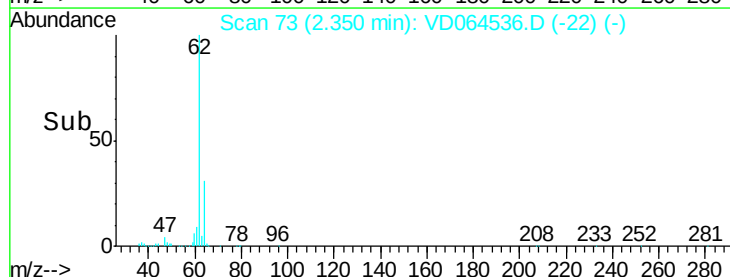
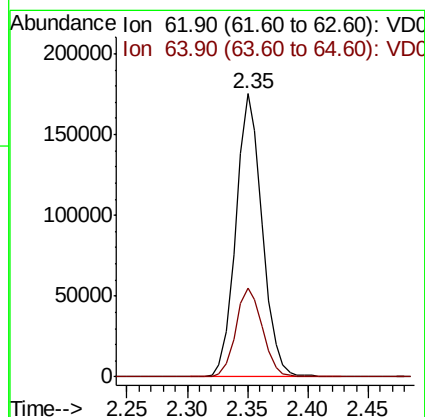
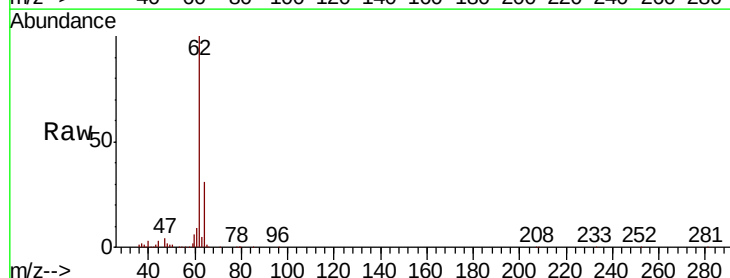
Acq: 17 Dec 2019 10:36

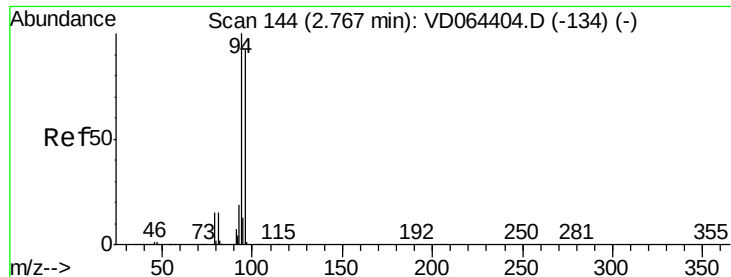
Tgt Ion: 62 Resp: 266679

Ion Ratio Lower Upper

62 100

64 31.2 25.0 37.4





#5

Bromomethane

Concen: 44.278 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

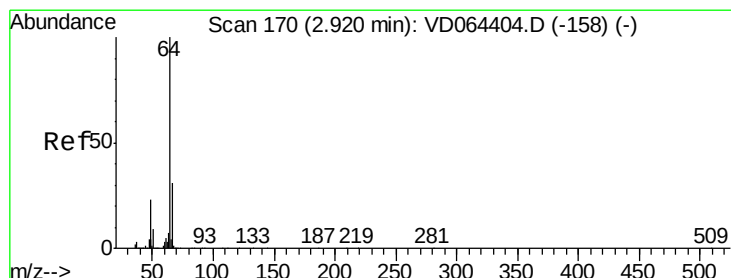
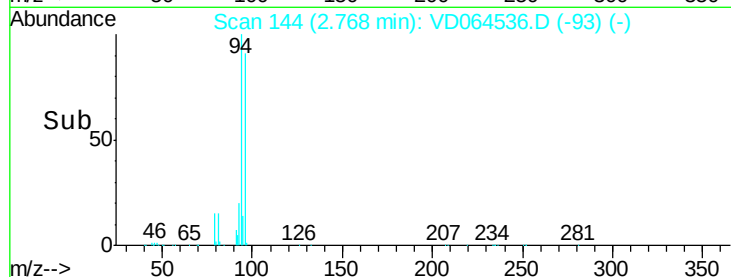
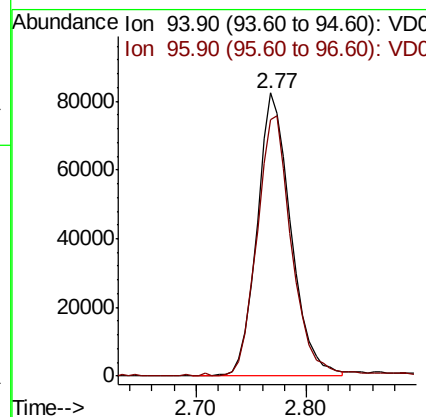
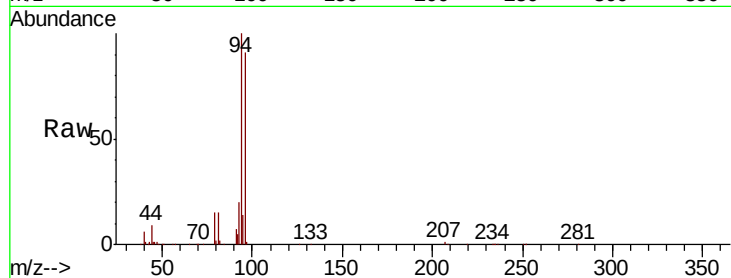
VSTDCCC050

Tgt Ion: 94 Resp: 176959

Ion Ratio Lower Upper

94 100

96 90.4 73.6 110.4



#6

Chloroethane

Concen: 49.505 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064536.D

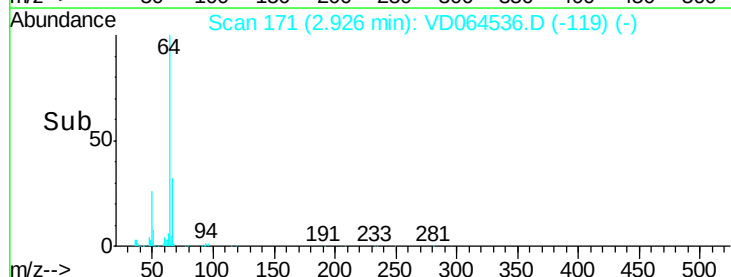
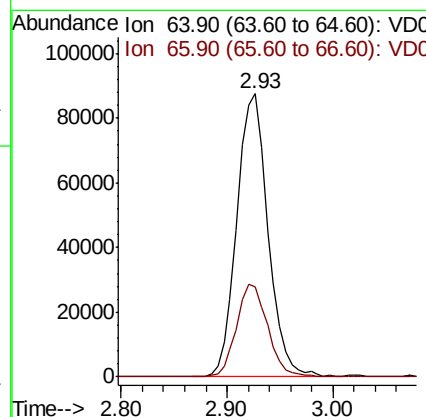
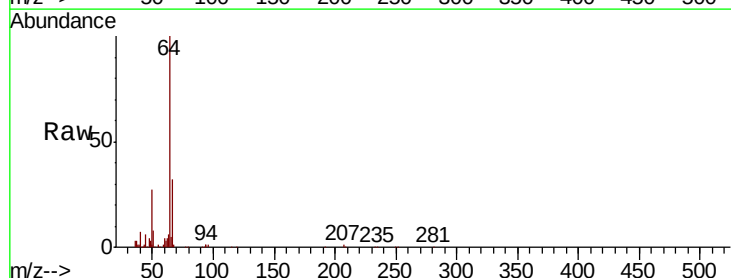
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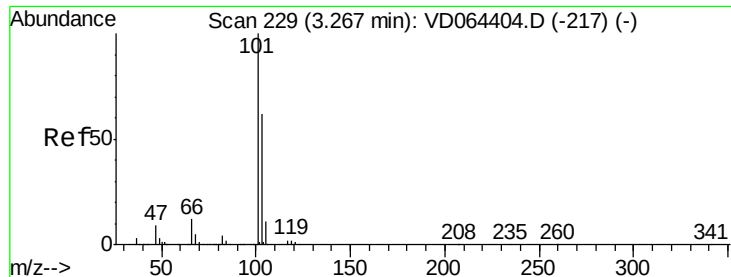
Tgt Ion: 64 Resp: 178824

Ion Ratio Lower Upper

64 100

66 32.0 24.6 37.0



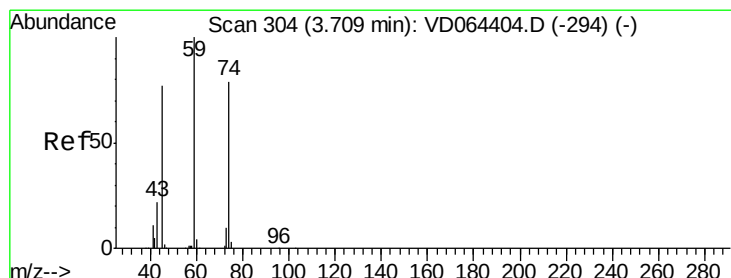
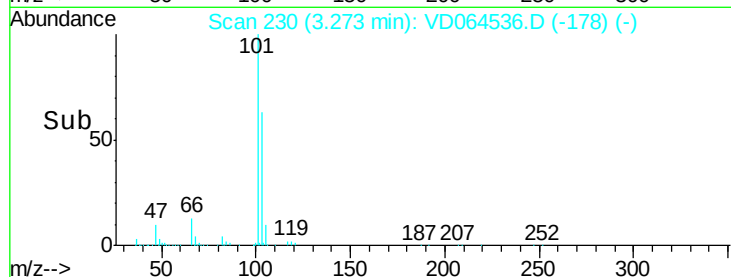
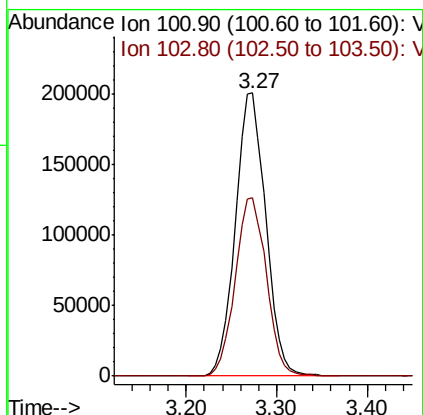
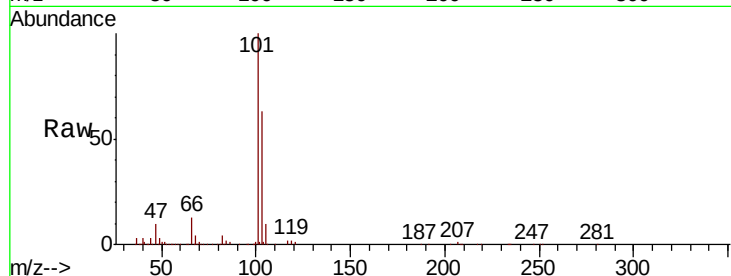


#7

Trichlorofluoromethane
Concen: 52.145 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

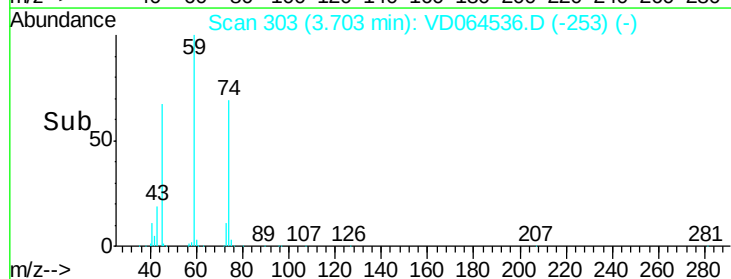
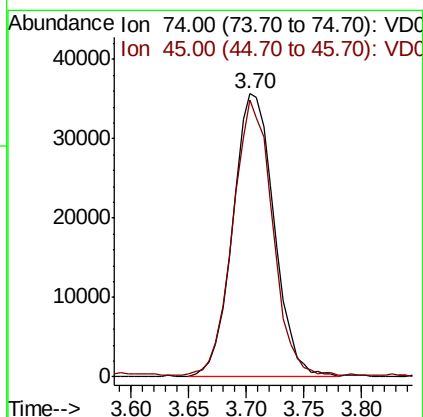
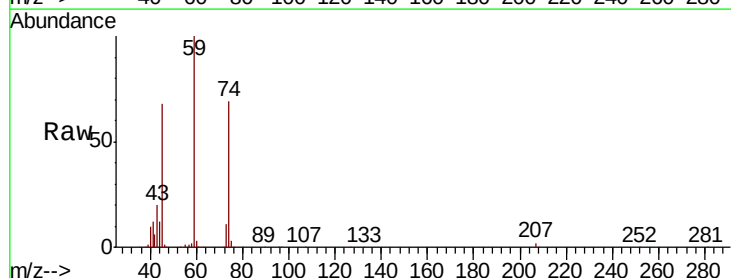
Tgt Ion: 101 Resp: 468486
Ion Ratio Lower Upper
101 100
103 63.2 49.8 74.6

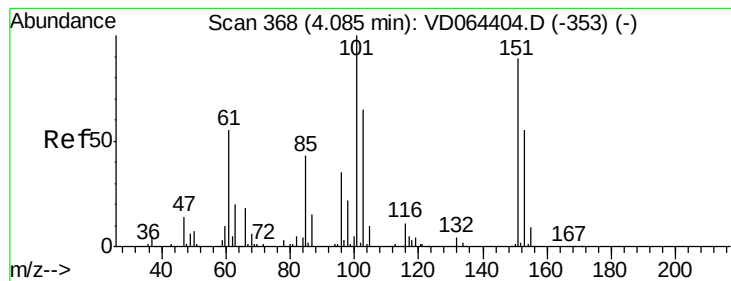


#8

Diethyl Ether
Concen: 47.469 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion: 74 Resp: 88622
Ion Ratio Lower Upper
74 100
45 93.0 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.395 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

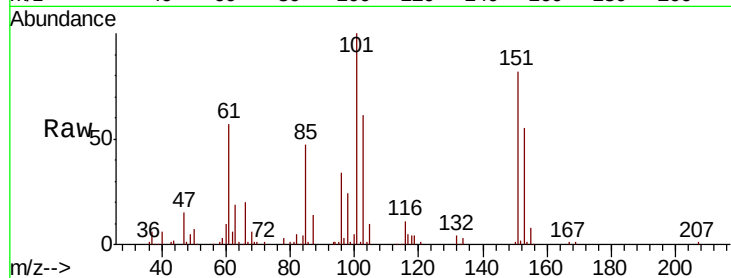
Tgt Ion:101 Resp: 197982

Ion Ratio Lower Upper

101 100

85 44.3 34.8 52.2

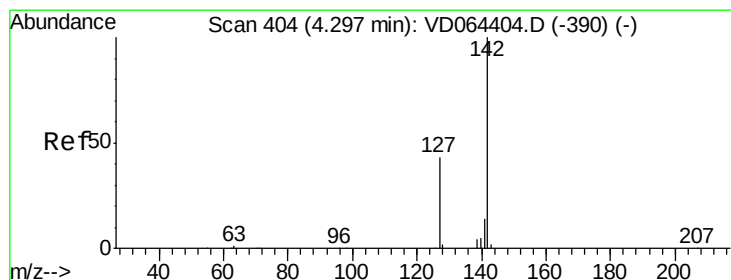
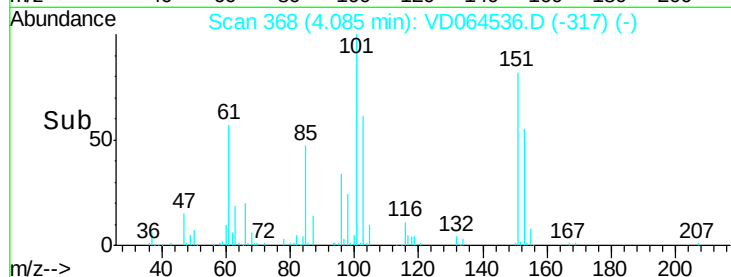
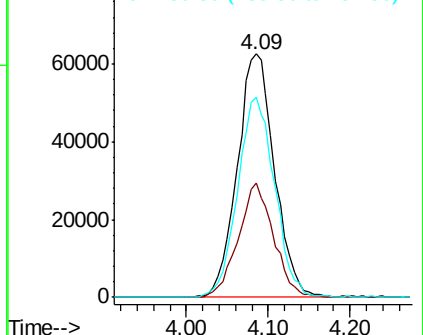
151 81.9 68.8 103.2



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: 50.884 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

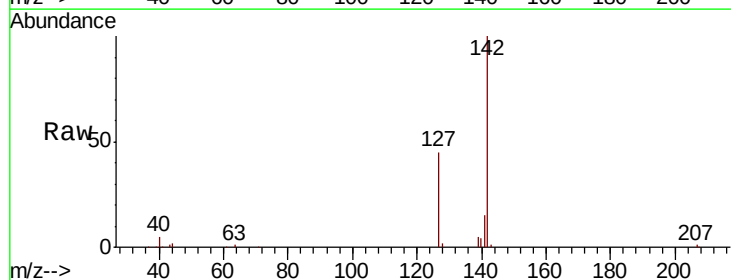
Tgt Ion:142 Resp: 206997

Ion Ratio Lower Upper

142 100

127 44.4 35.3 52.9

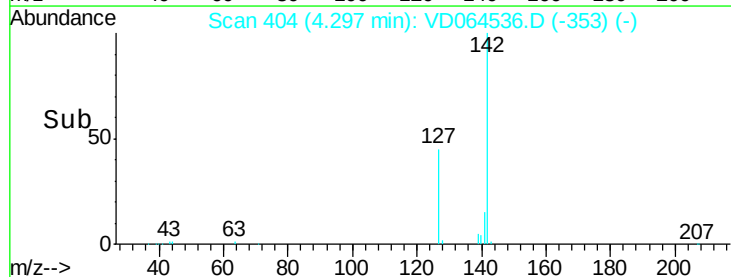
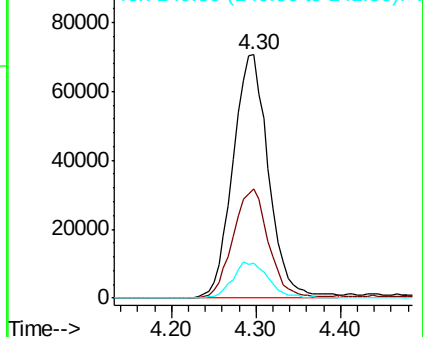
141 14.9 11.6 17.4

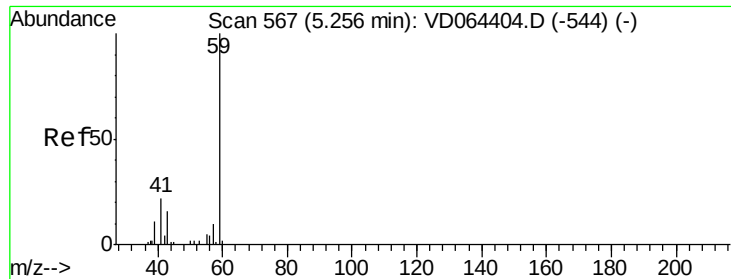


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



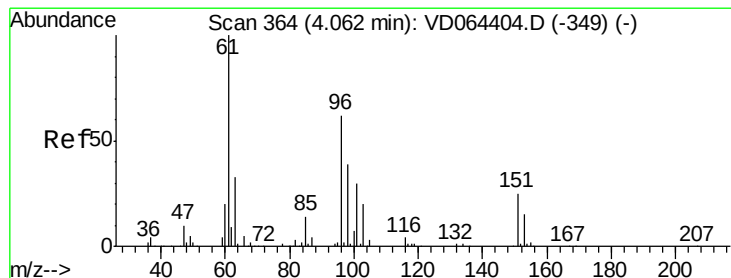
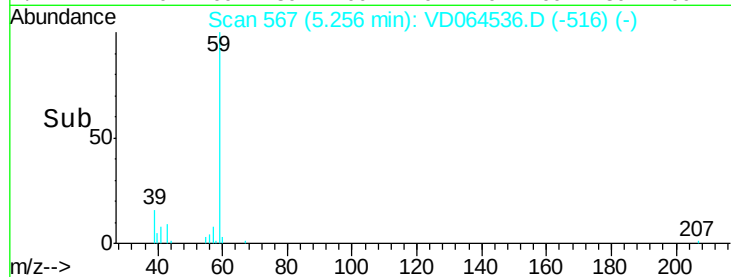
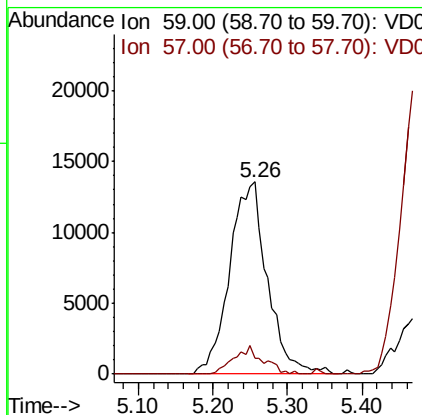
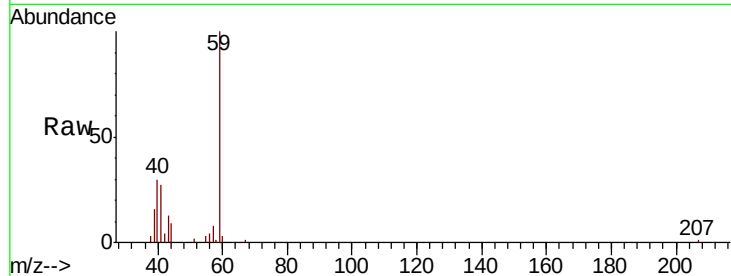


#11

Tert butyl alcohol
Concen: 201.840 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

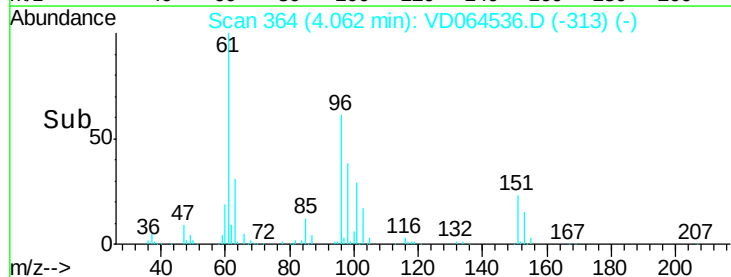
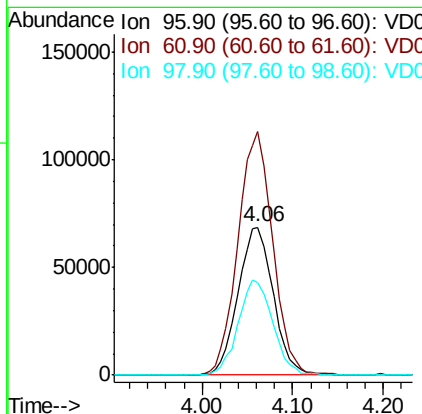
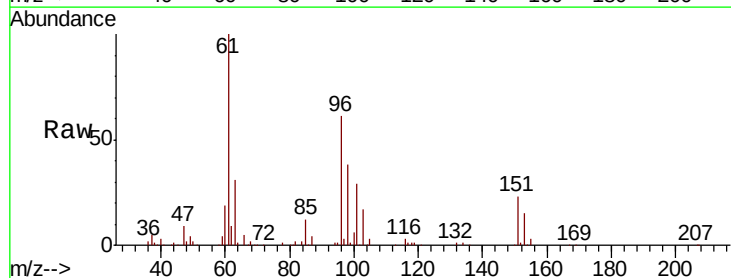
Tgt Ion: 59 Resp: 47630
Ion Ratio Lower Upper
59 100
57 11.3 0.0 0.0#

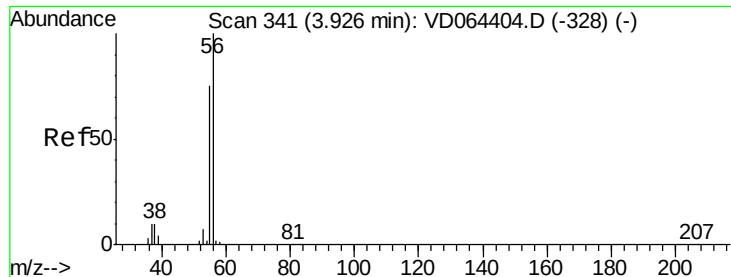


#12

1,1-Dichloroethene
Concen: 50.198 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion: 96 Resp: 185310
Ion Ratio Lower Upper
96 100
61 164.6 128.2 192.4
98 62.3 50.4 75.6





#13

Acrolein

Concen: 222.139 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

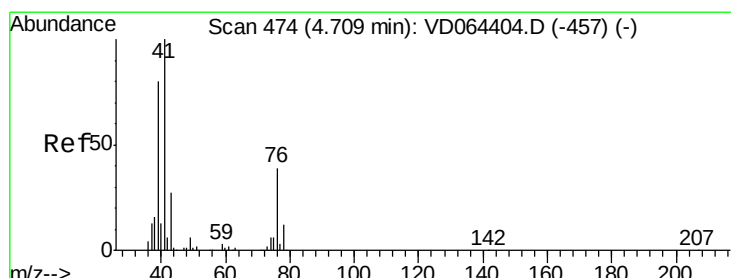
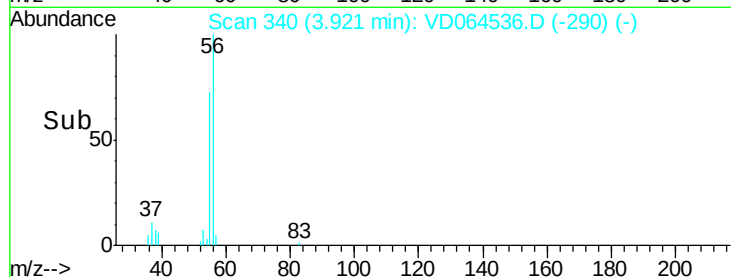
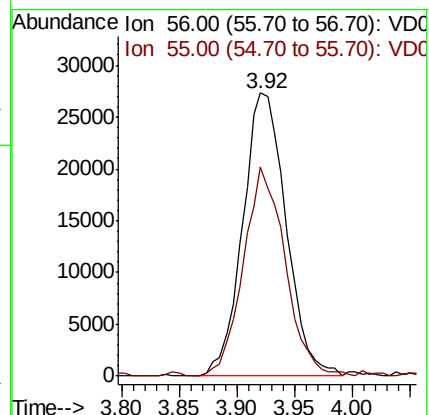
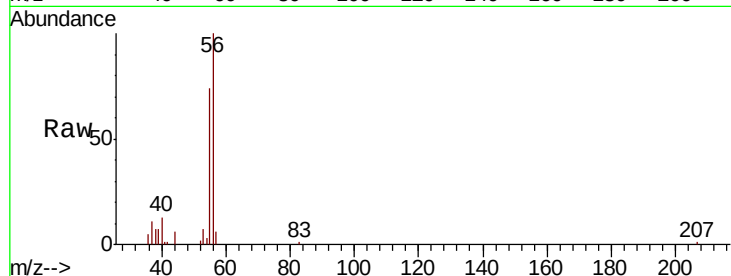
VSTDCCC050

Tgt Ion: 56 Resp: 71500

Ion Ratio Lower Upper

56 100

55 70.9 56.9 85.3



#14

Allyl chloride

Concen: 49.964 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

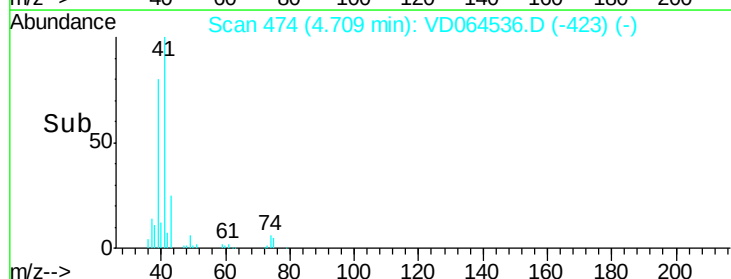
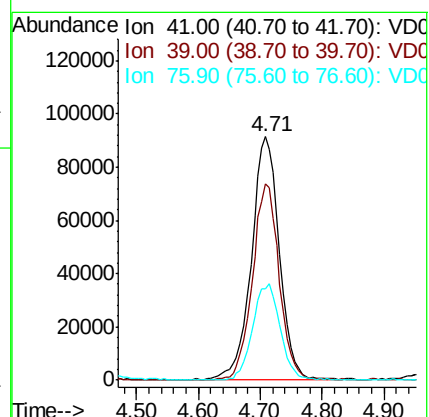
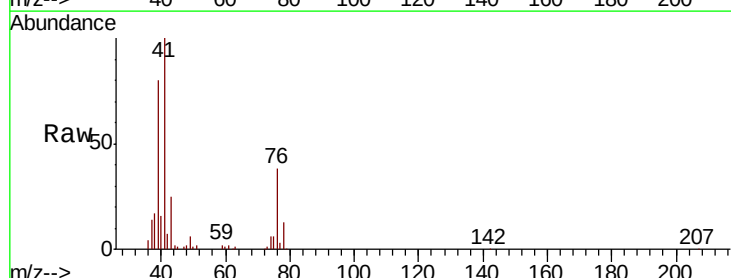
Tgt Ion: 41 Resp: 287856

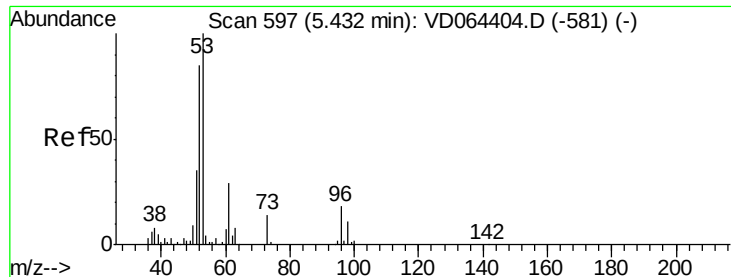
Ion Ratio Lower Upper

41 100

39 76.6 62.1 93.1

76 38.9 29.8 44.8





#15

Acrylonitrile

Concen: 226.695 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

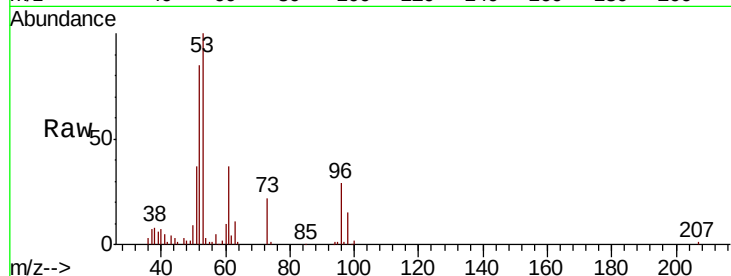
Tgt Ion: 53 Resp: 185071

Ion Ratio Lower Upper

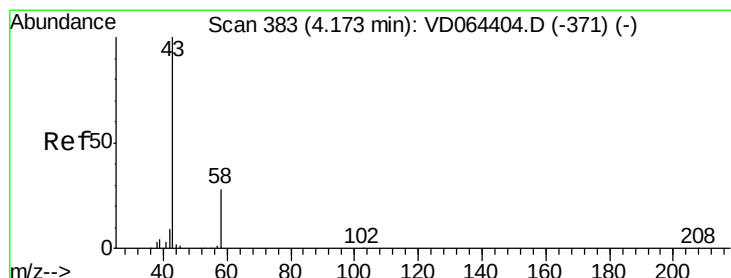
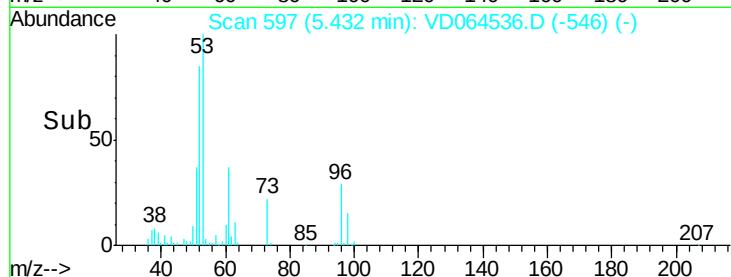
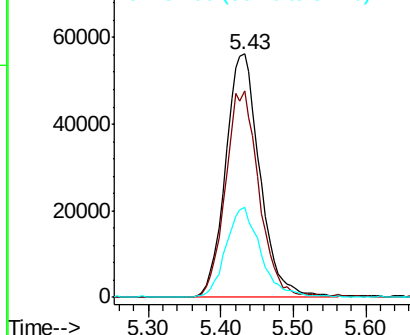
53 100

52 83.0 67.9 101.9

51 37.5 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: 289.228 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064536.D

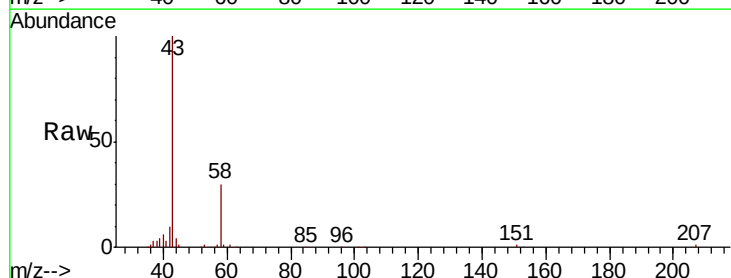
Acq: 17 Dec 2019 10:36

Tgt Ion: 43 Resp: 216672

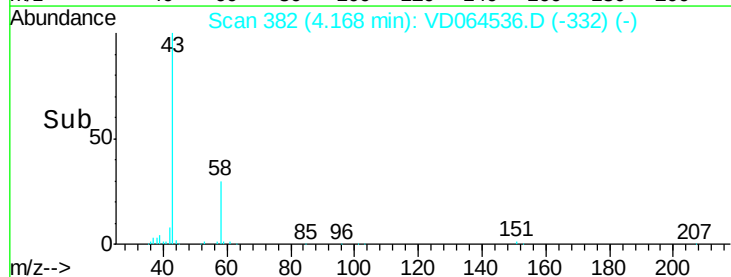
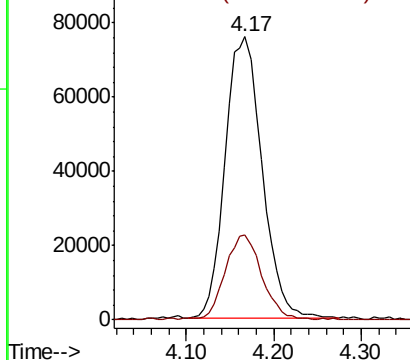
Ion Ratio Lower Upper

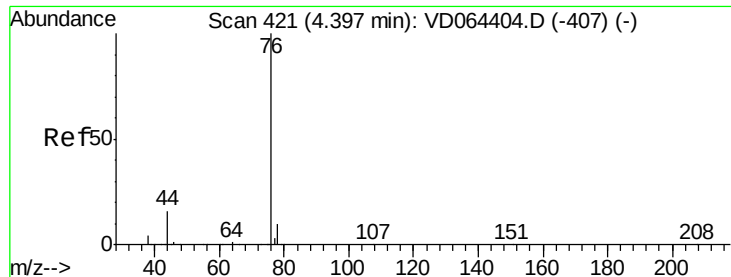
43 100

58 30.1 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: 47.256 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

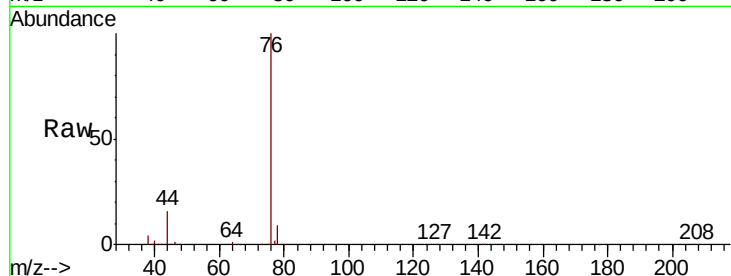
VSTDCCC050

Tgt Ion: 76 Resp: 552510

Ion Ratio Lower Upper

76 100

78 9.0 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

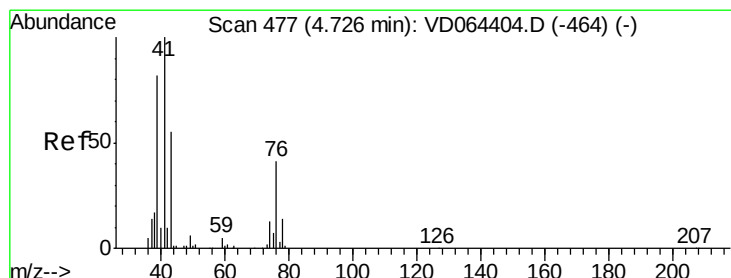
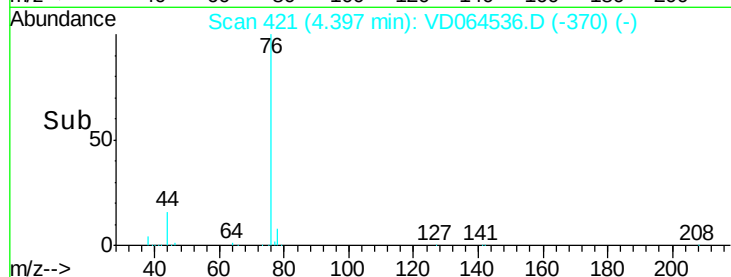
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 44.360 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064536.D

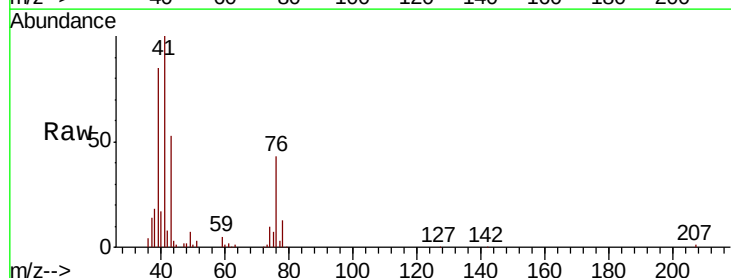
Acq: 17 Dec 2019 10:36

Tgt Ion: 43 Resp: 96935

Ion Ratio Lower Upper

43 100

74 22.5 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

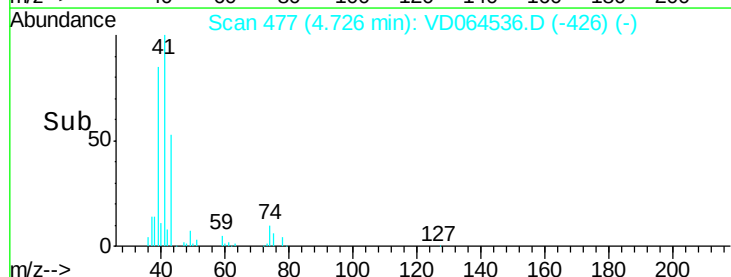
30000

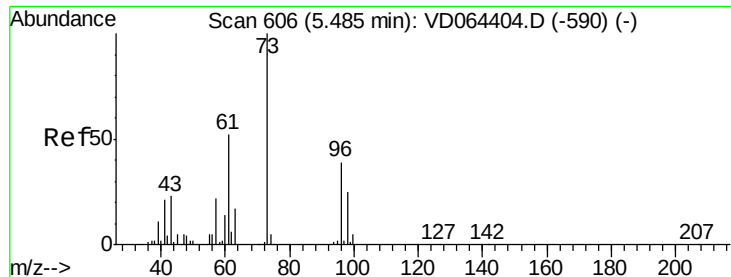
20000

10000

0

Time-->



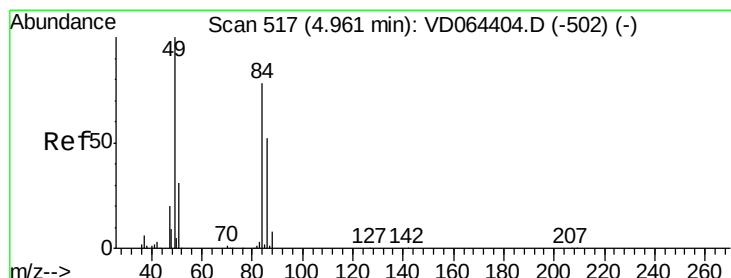
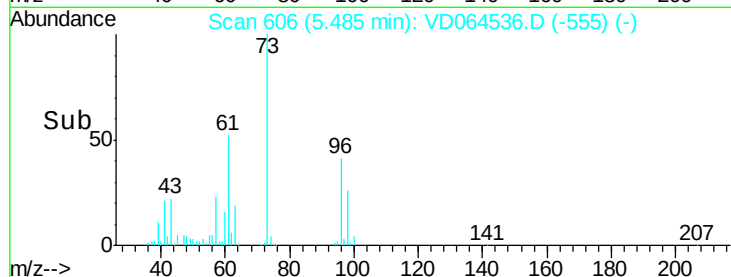
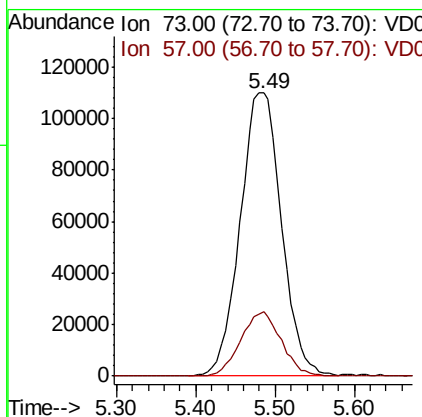
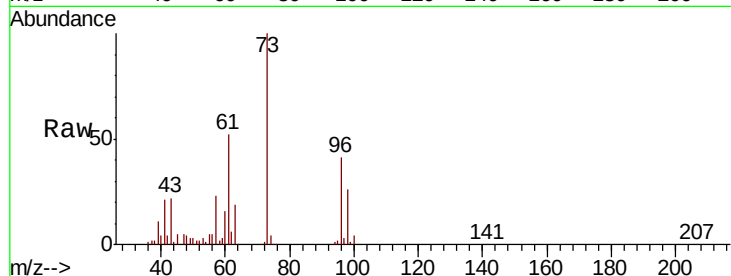


#19

Methyl tert-butyl Ether
 Concen: 47.082 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

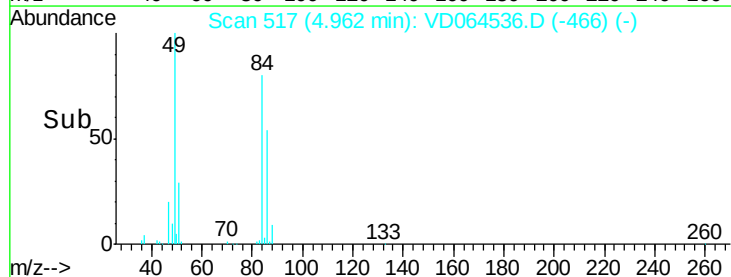
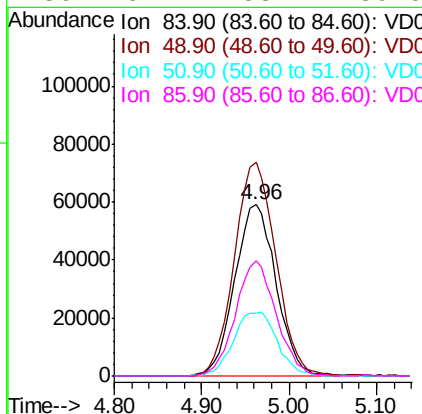
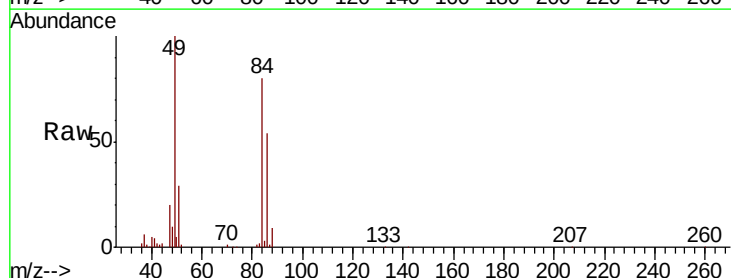
Tgt Ion: 73 Resp: 398693
 Ion Ratio Lower Upper
 73 100
 57 23.0 17.6 26.4

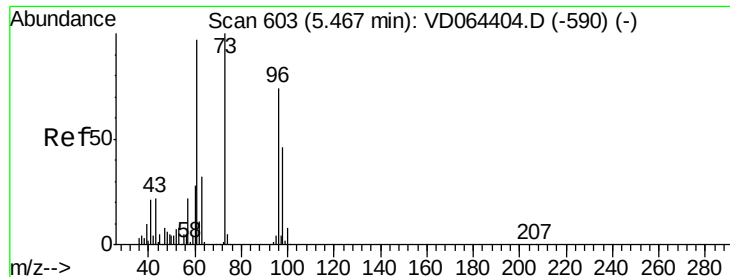


#20

Methylene Chloride
 Concen: 49.761 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

Tgt Ion: 84 Resp: 189491
 Ion Ratio Lower Upper
 84 100
 49 124.8 102.6 153.8
 51 36.5 32.0 48.0
 86 67.7 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 49.827 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

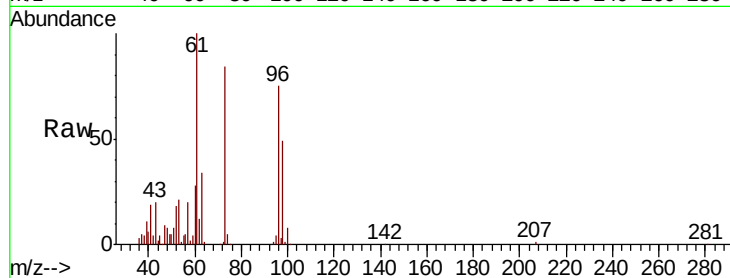
Tgt Ion: 96 Resp: 208065

Ion Ratio Lower Upper

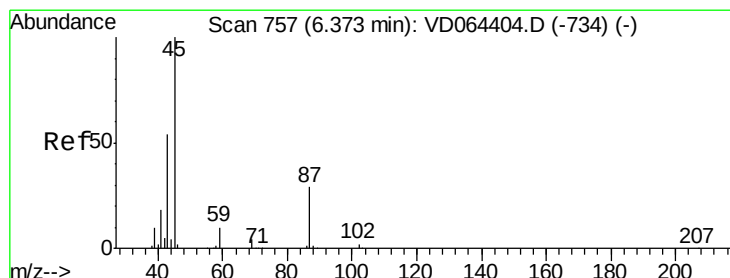
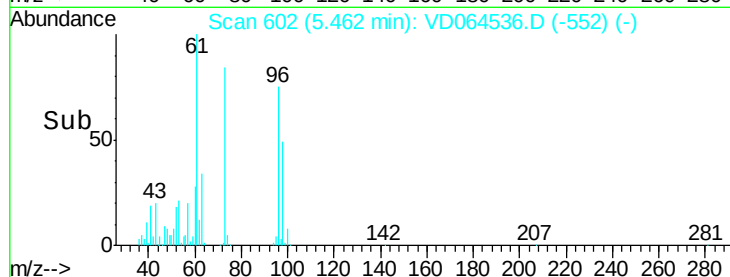
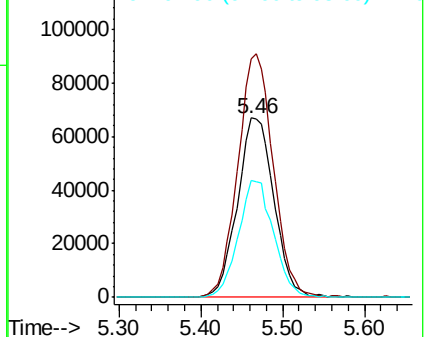
96 100

61 132.7 105.8 158.6

98 65.4 50.1 75.1



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



#22

Diisopropyl ether

Concen: 50.064 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Tgt Ion: 45 Resp: 569392

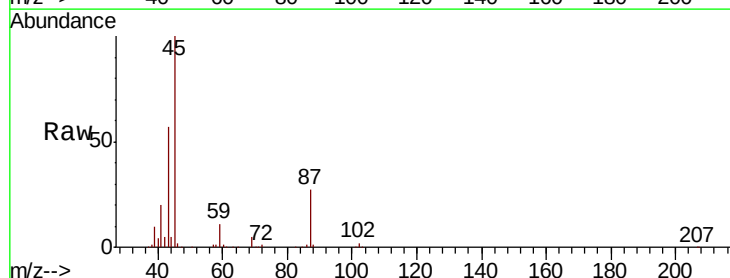
Ion Ratio Lower Upper

45 100

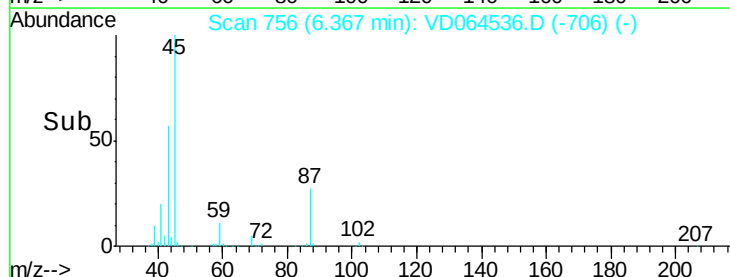
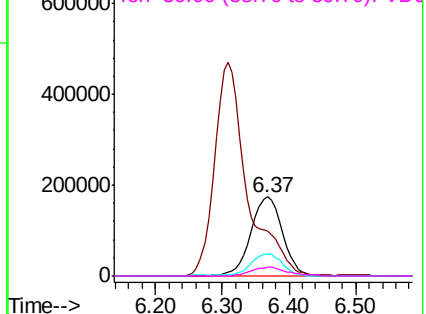
43 56.0 43.1 64.7

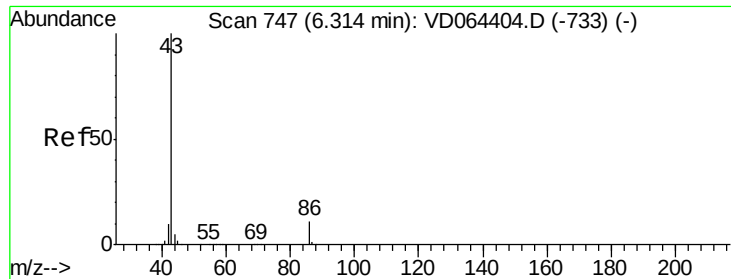
87 27.1 23.5 35.3

59 11.2 8.2 12.2



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 241.290 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

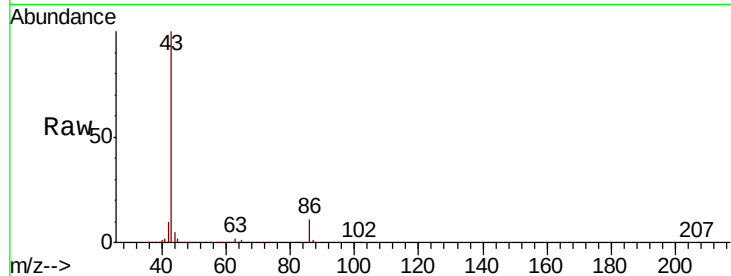
VSTDCCC050

Tgt Ion: 43 Resp: 1617843

Ion Ratio Lower Upper

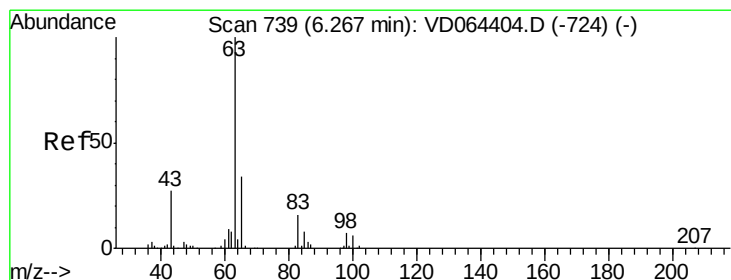
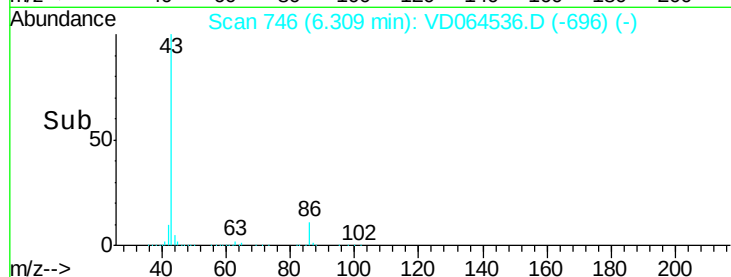
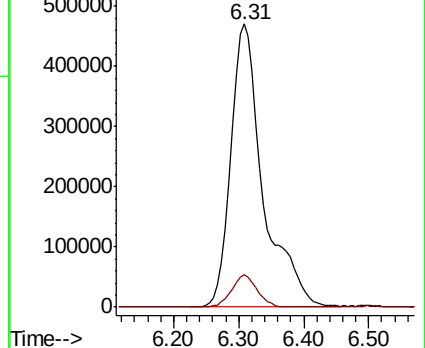
43 100

86 11.4 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: 50.973 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

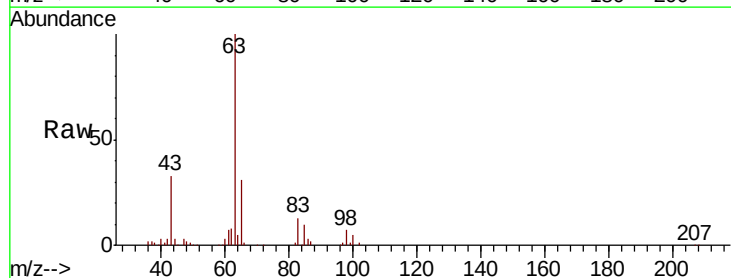
Tgt Ion: 63 Resp: 348645

Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.9

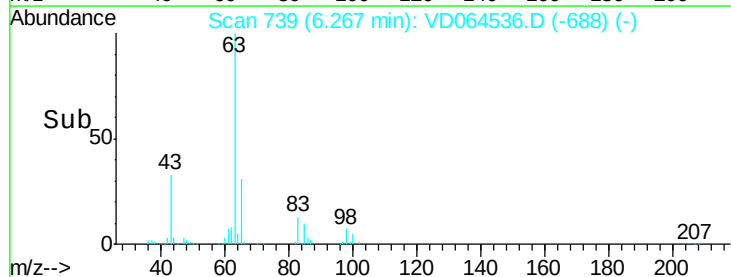
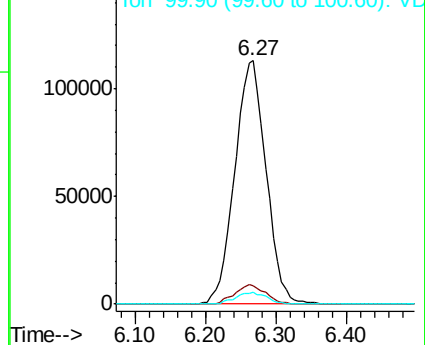
100 4.8 2.9 8.6

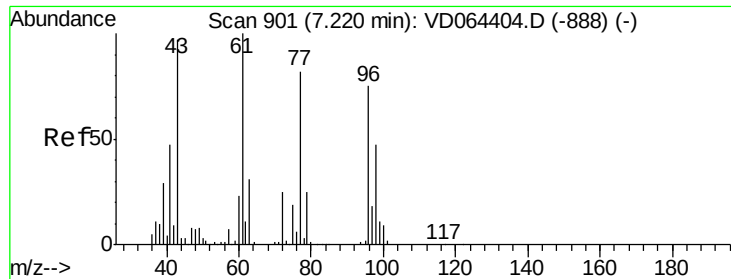


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 234.076 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

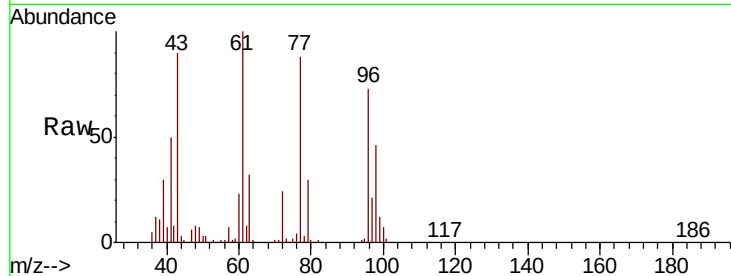
VSTDCCC050

Tgt Ion: 43 Resp: 247989

Ion Ratio Lower Upper

43 100

72 26.2 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.22

100000

80000

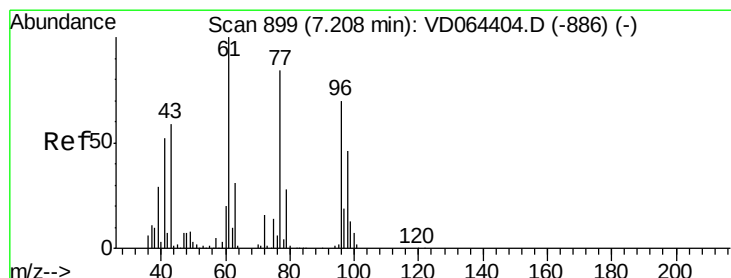
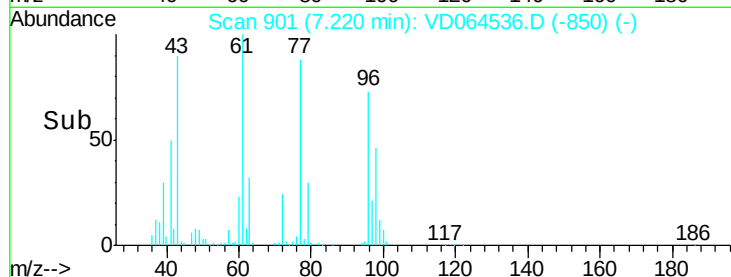
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 54.430 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064536.D

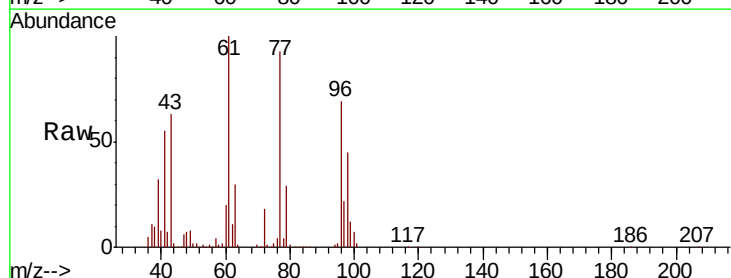
Acq: 17 Dec 2019 10:36

Tgt Ion: 77 Resp: 323760

Ion Ratio Lower Upper

77 100

97 22.8 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

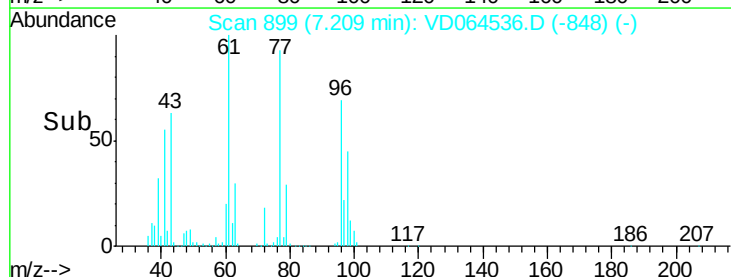
7.21

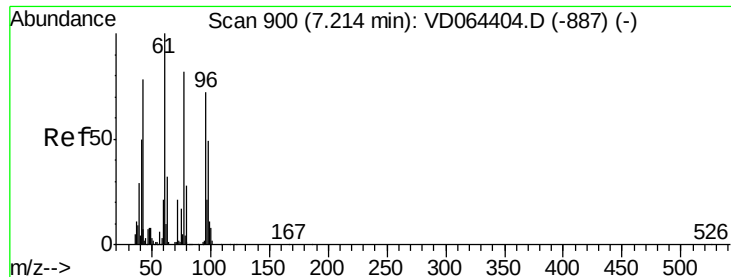
100000

50000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 50.315 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

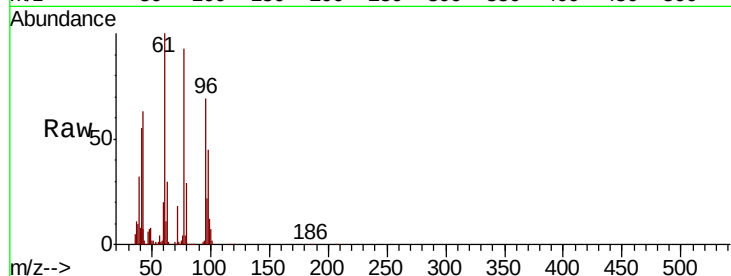
Tgt Ion: 96 Resp: 229060

Ion Ratio Lower Upper

96 100

61 140.8 0.0 279.6

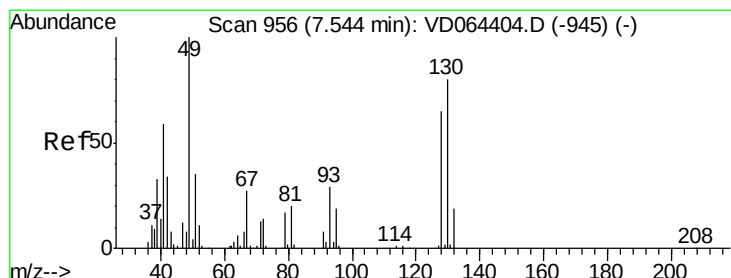
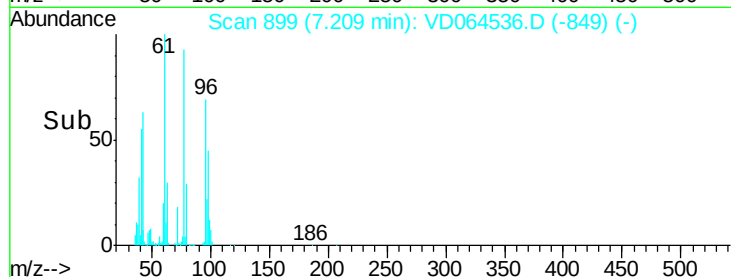
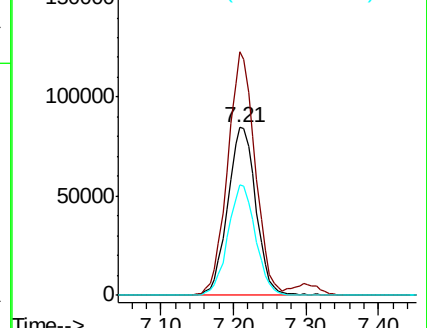
98 64.1 0.0 129.2



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: 53.846 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.01 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

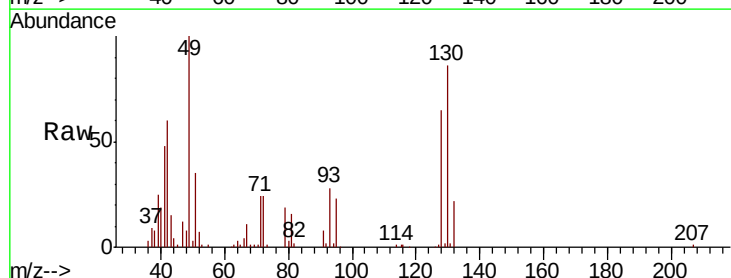
Tgt Ion: 49 Resp: 125864

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.4

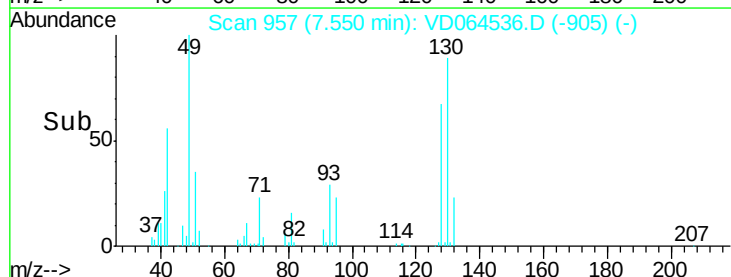
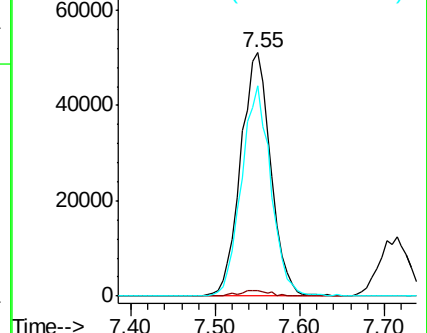
130 84.2 67.4 101.0

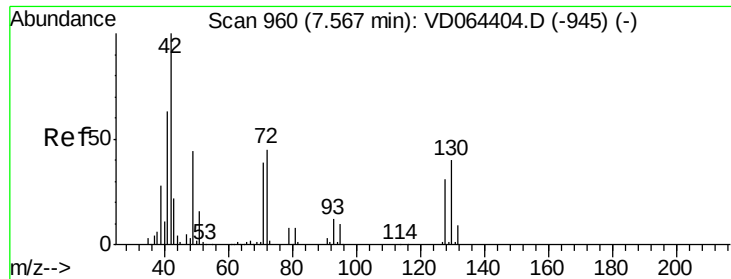


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

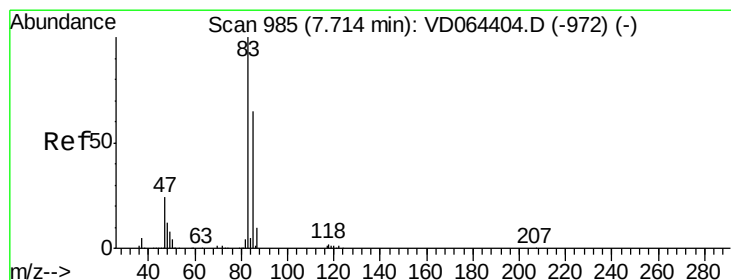
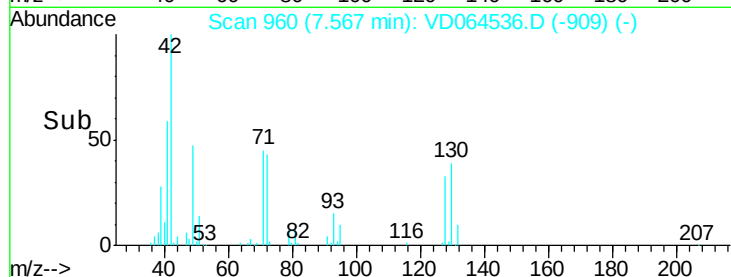
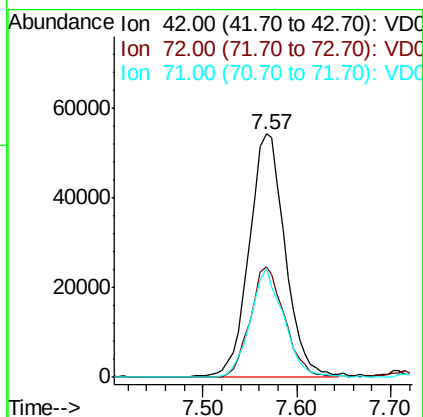
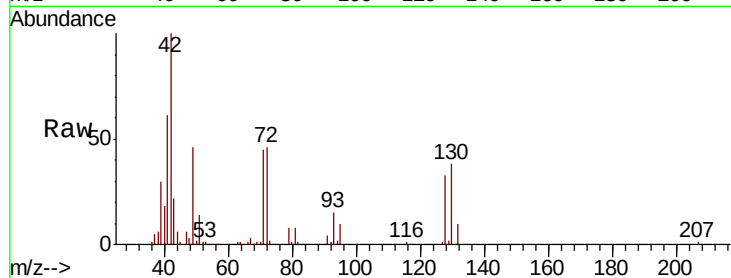




#29
Tetrahydrofuran
Concen: 213.969 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

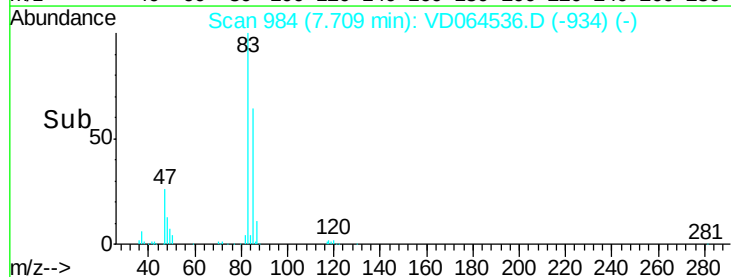
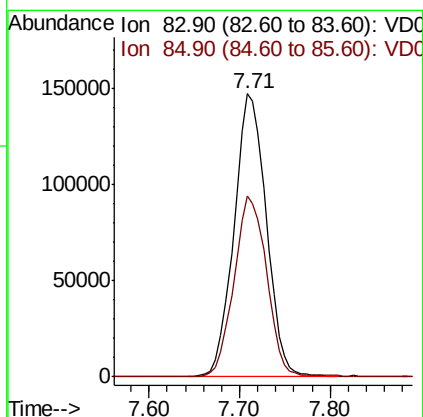
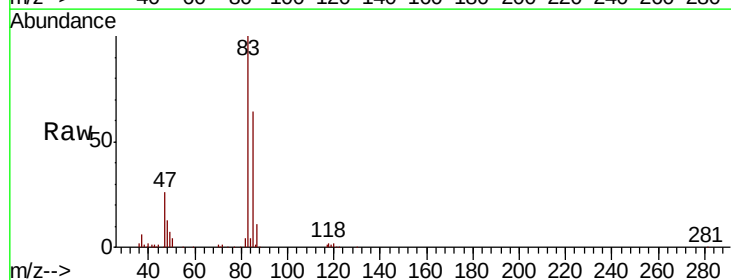
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

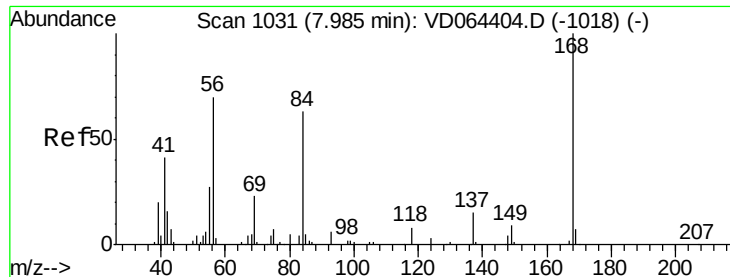
Tgt Ion: 42 Resp: 144224
Ion Ratio Lower Upper
42 100
72 43.7 35.8 53.8
71 41.8 32.7 49.1



#30
Chloroform
Concen: 51.503 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion: 83 Resp: 364827
Ion Ratio Lower Upper
83 100
85 64.0 51.8 77.6

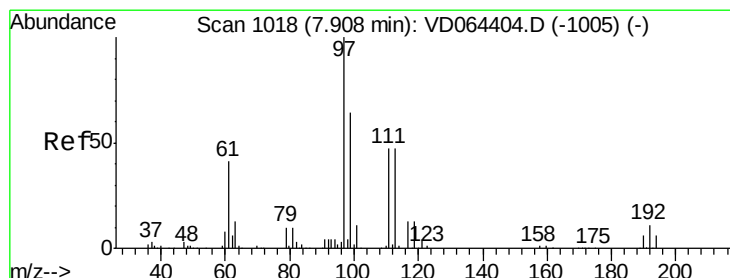
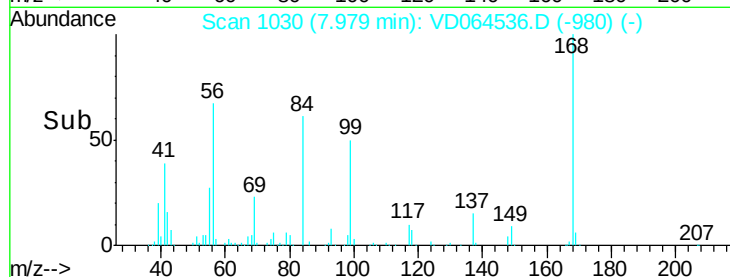
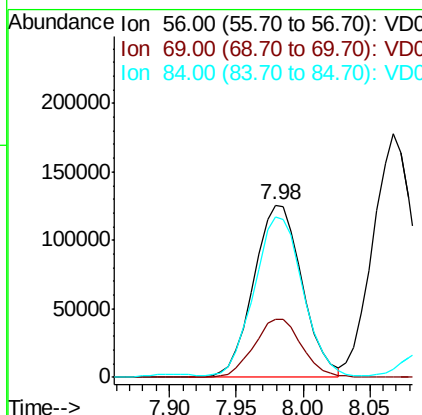
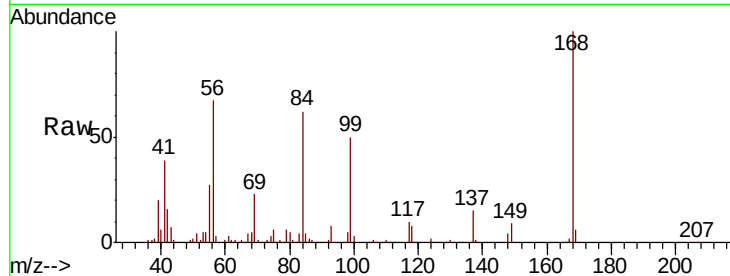




#31
Cyclohexane
Concen: 53.389 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

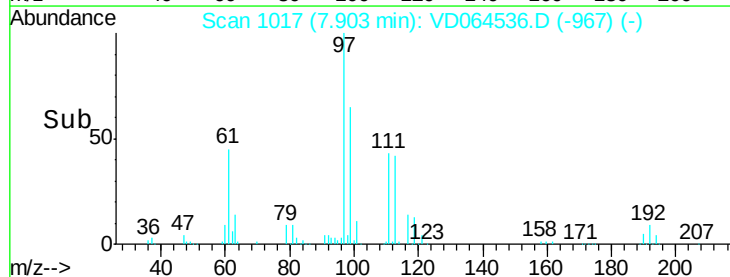
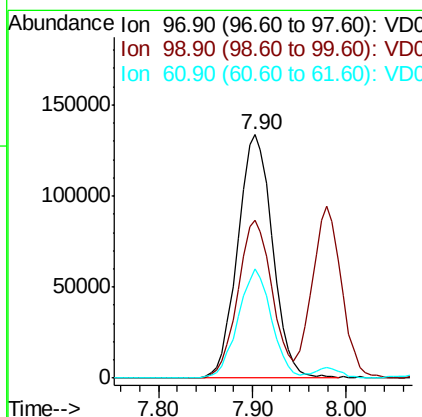
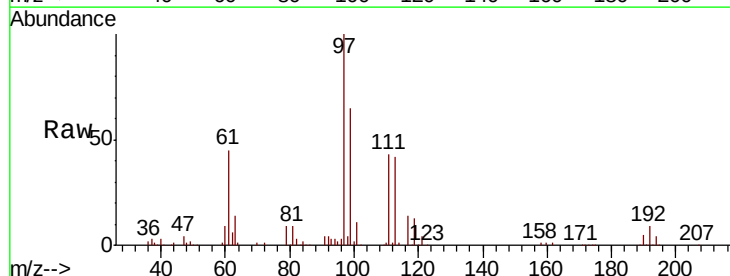
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

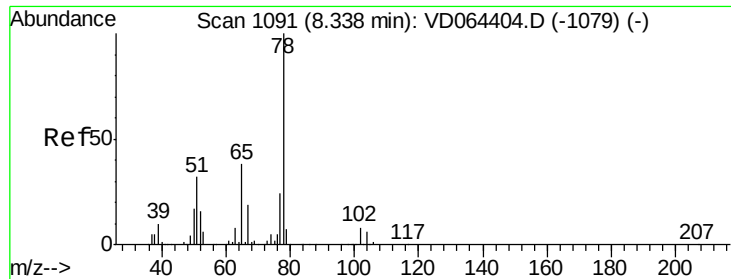
Tgt Ion: 56 Resp: 316957
Ion Ratio Lower Upper
56 100
69 34.0 26.2 39.4
84 91.1 70.3 105.5



#32
1,1,1-Trichloroethane
Concen: 52.311 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion: 97 Resp: 343542
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.2
61 42.9 35.0 52.4

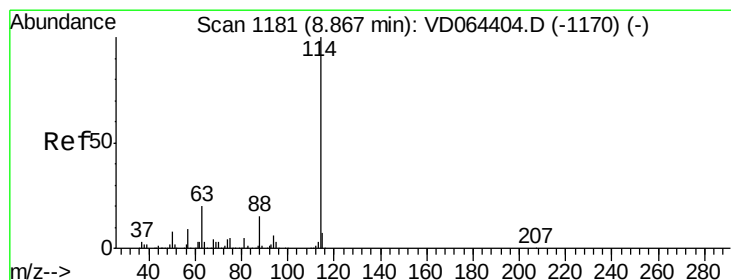
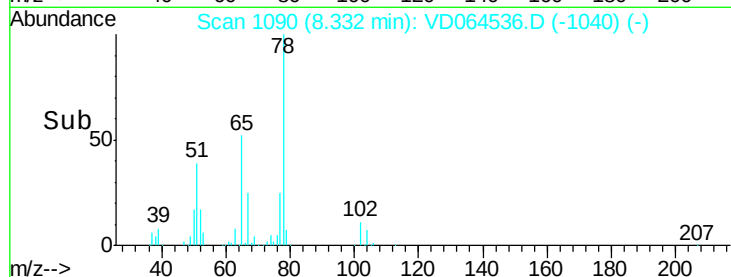
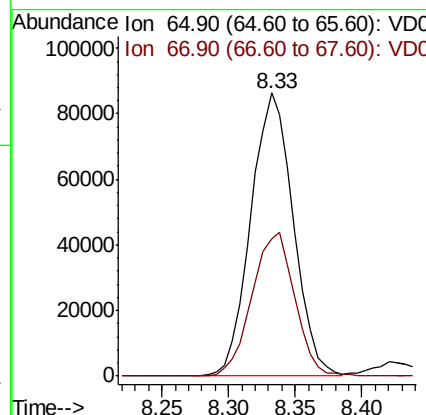
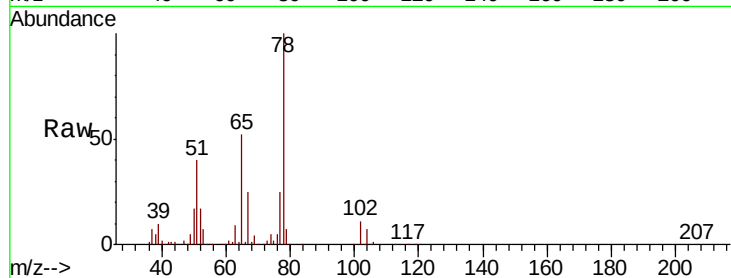




#33
 1,2-Dichloroethane-d4
 Concen: 51.358 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

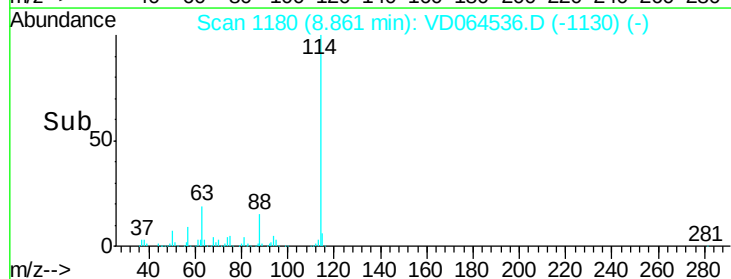
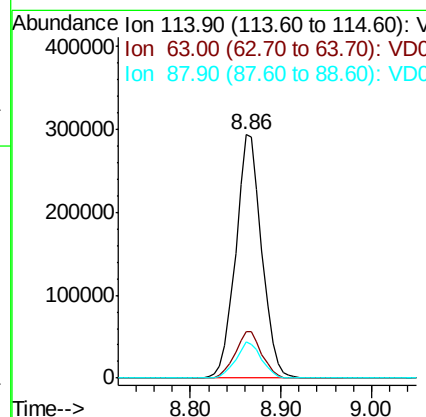
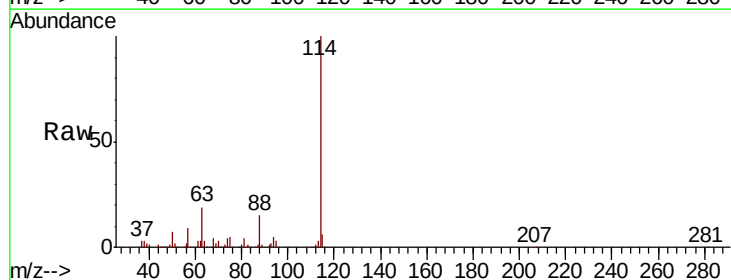
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

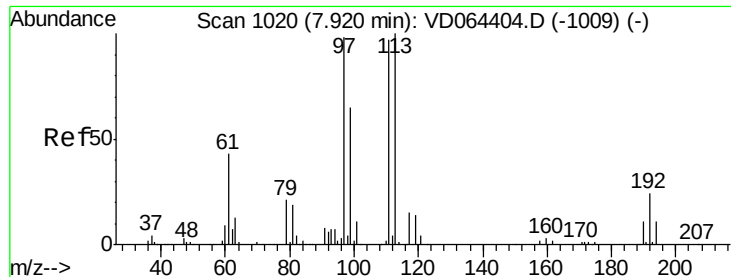
Tgt Ion: 65 Resp: 190390
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

Tgt Ion: 114 Resp: 587382
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 40.0
 88 15.0 0.0 29.2

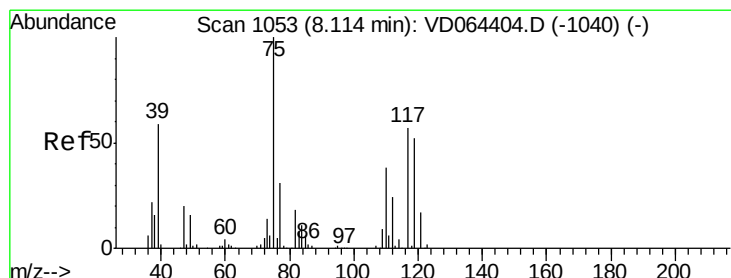
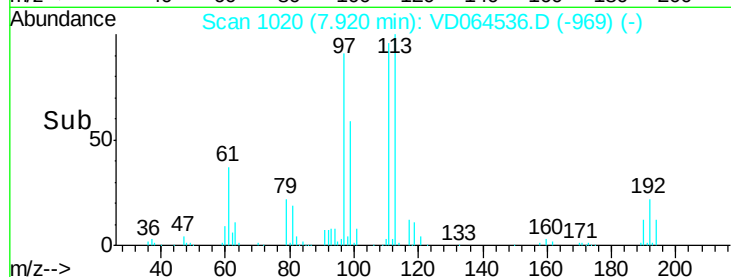
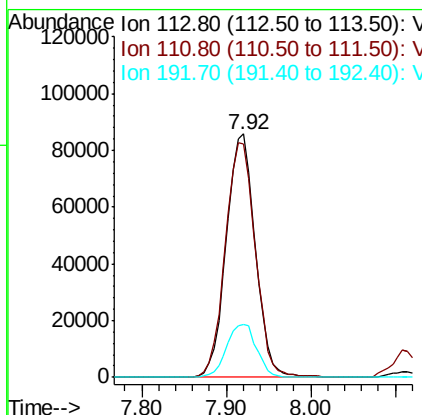
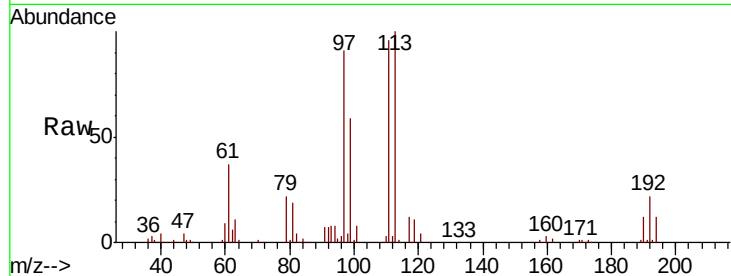




#35
 Dibromofluoromethane
 Concen: 54.857 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

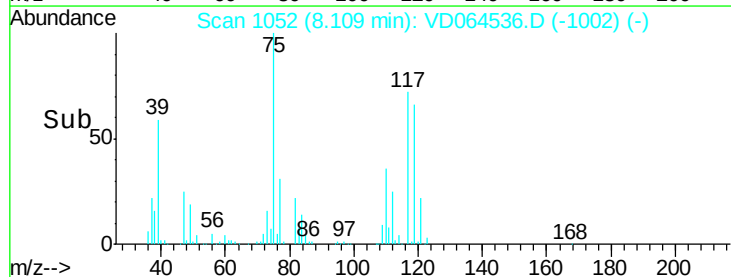
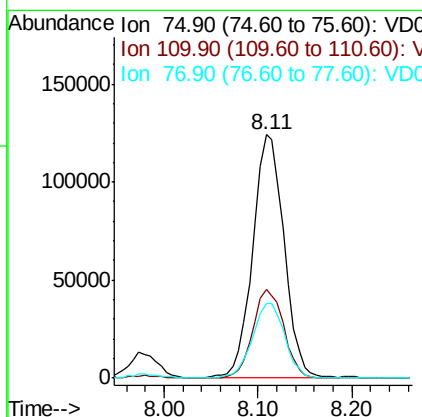
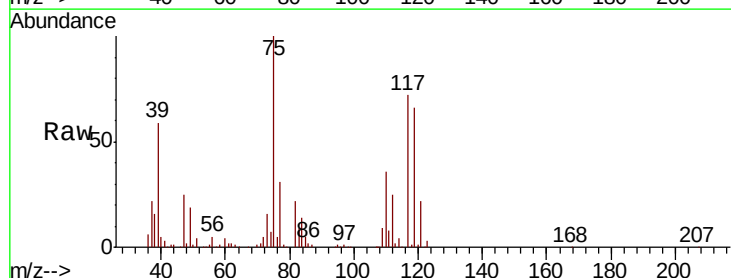
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

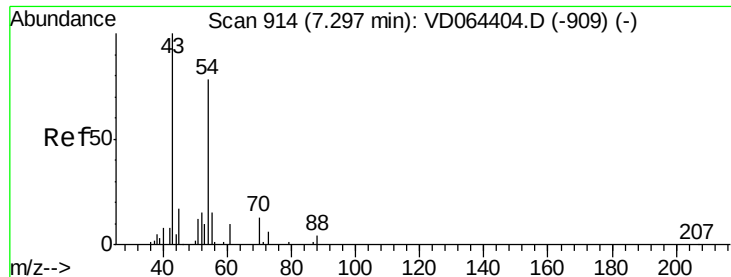
Tgt Ion: 113 Resp: 203015
 Ion Ratio Lower Upper
 113 100
 111 99.9 79.4 119.2
 192 22.7 18.6 28.0



#36
 1,1-Dichloropropene
 Concen: 51.710 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

Tgt Ion: 75 Resp: 287292
 Ion Ratio Lower Upper
 75 100
 110 36.1 18.6 55.8
 77 31.7 25.0 37.4

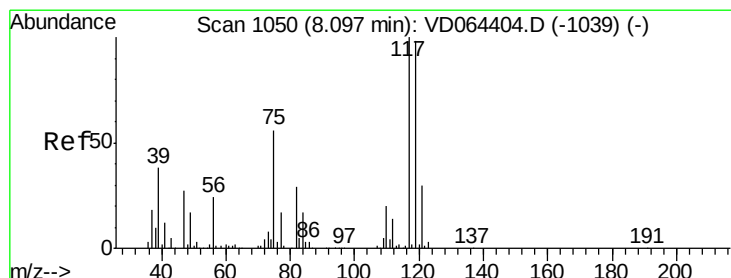
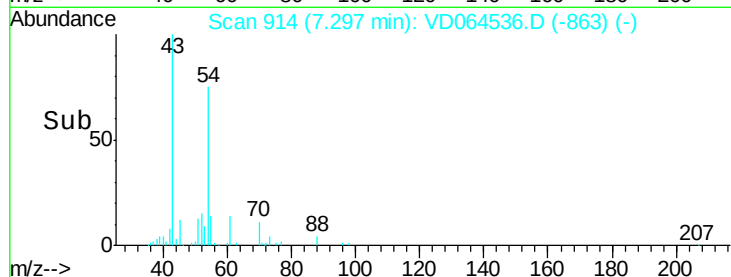
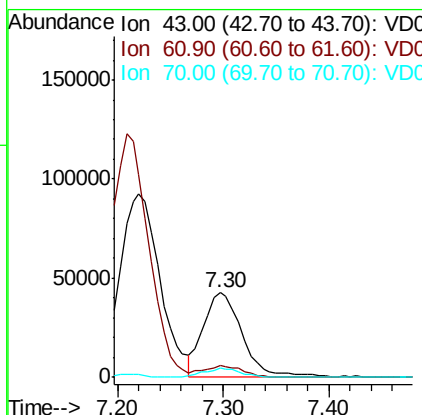
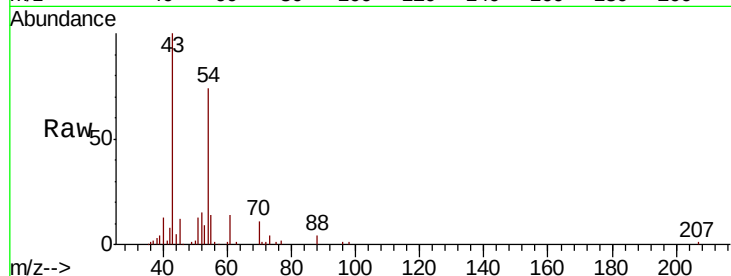




#37
Ethyl Acetate
Concen: 45.550 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

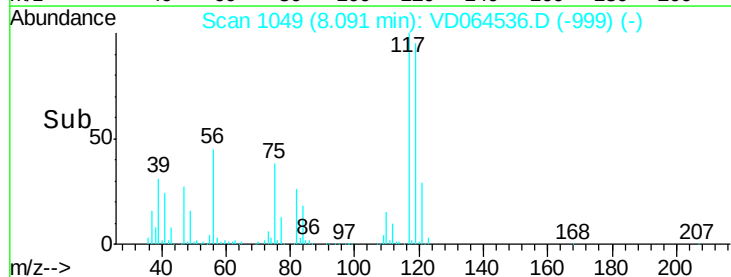
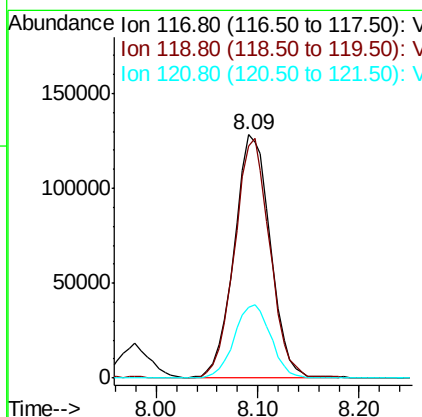
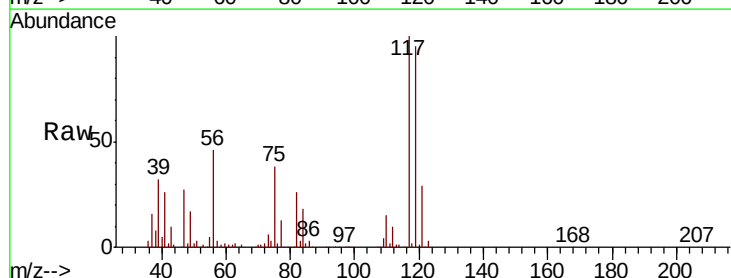
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

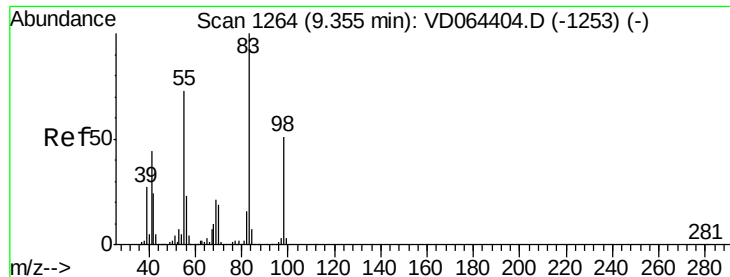
Tgt Ion: 43 Resp: 107381
Ion Ratio Lower Upper
43 100
61 14.4 10.9 16.3
70 10.4 8.3 12.5



#38
Carbon Tetrachloride
Concen: 53.874 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion: 117 Resp: 315901
Ion Ratio Lower Upper
117 100
119 95.5 78.8 118.2
121 29.0 24.2 36.2

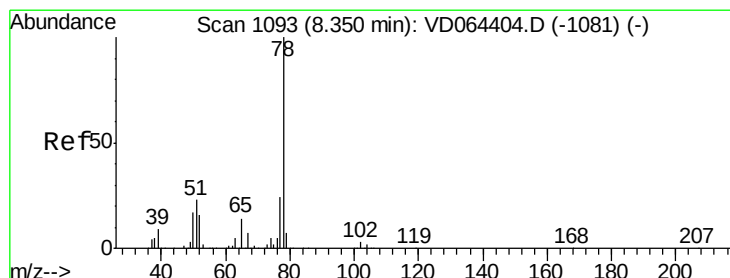
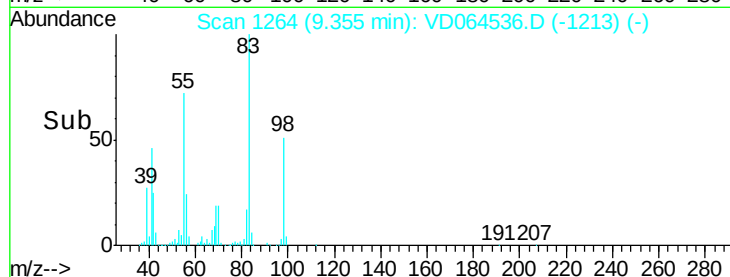
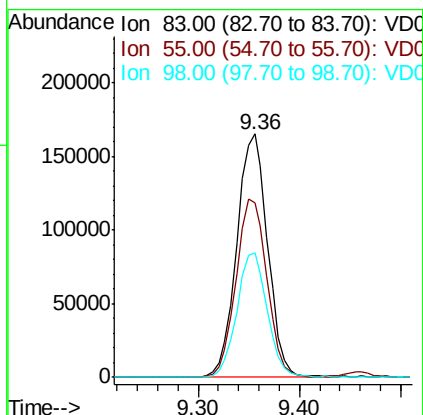
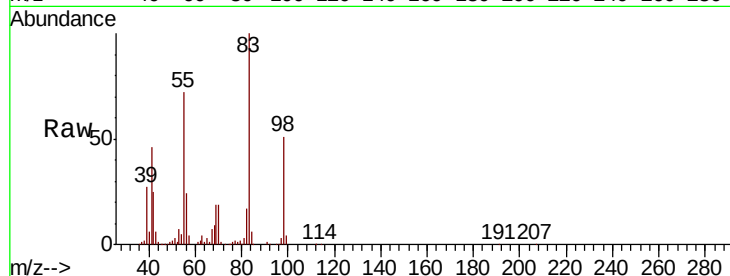




#39
Methylcyclohexane
Concen: 50.585 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

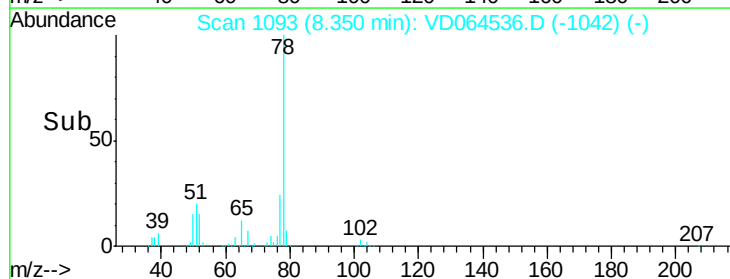
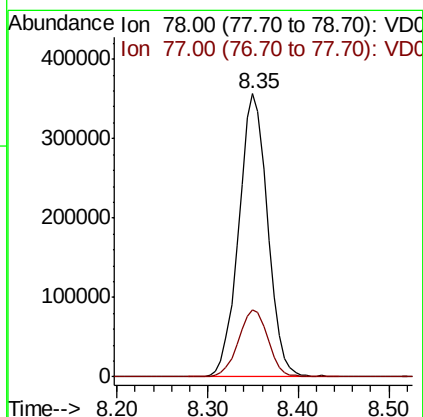
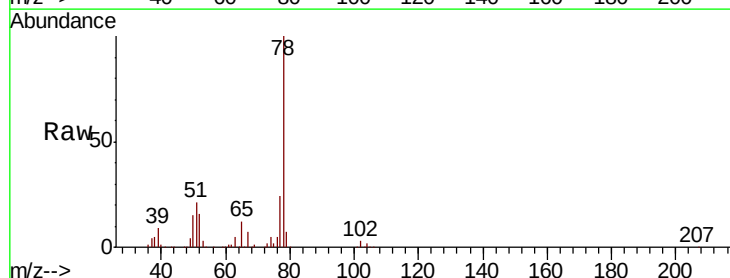
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

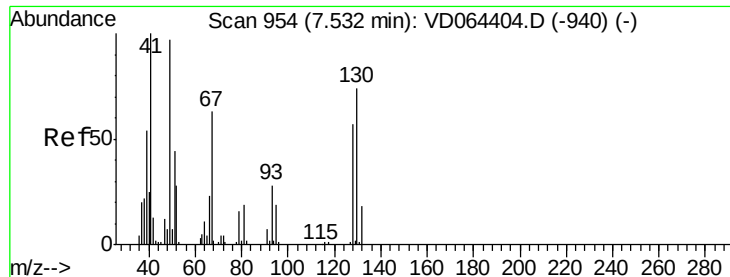
Tgt Ion: 83 Resp: 348616
Ion Ratio Lower Upper
83 100
55 71.8 58.6 87.8
98 51.0 40.9 61.3



#40
Benzene
Concen: 51.017 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion: 78 Resp: 787232
Ion Ratio Lower Upper
78 100
77 23.6 19.6 29.4

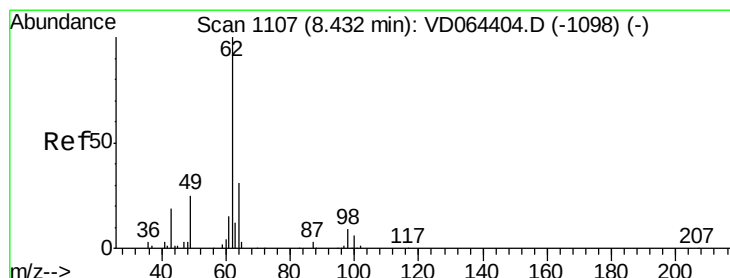
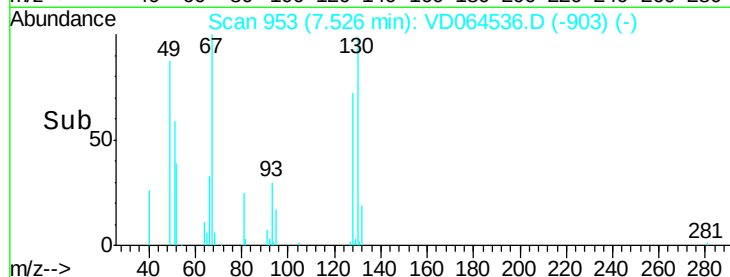
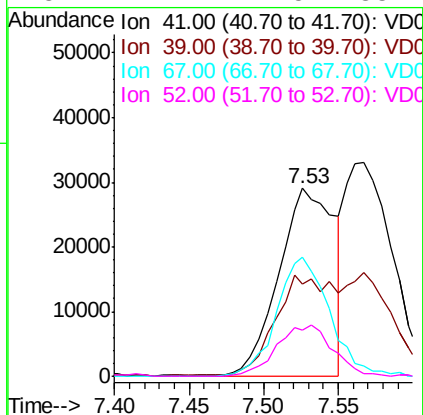
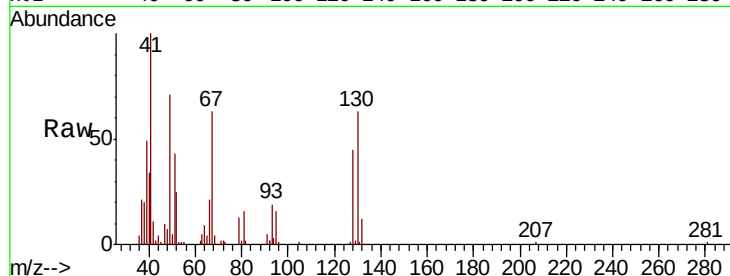




#41
Methacrylonitrile
Concen: 55.837 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

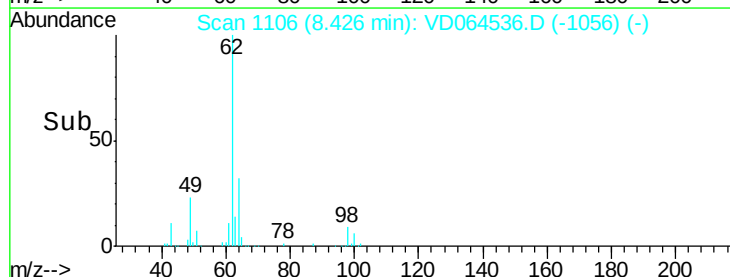
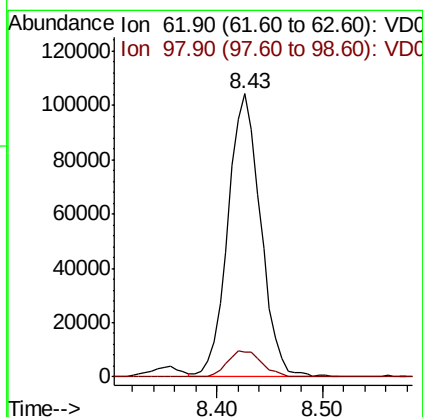
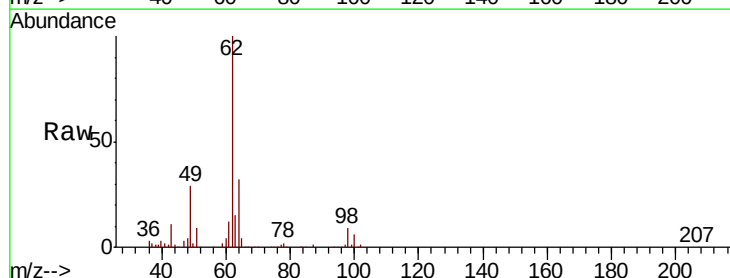
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

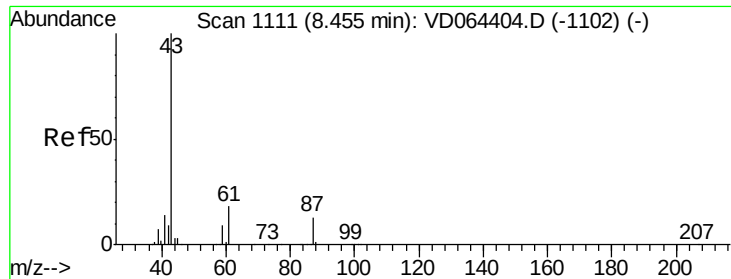
Tgt Ion:	41	Resp:	75489
Ion	Ratio	Lower	Upper
41	100		
39	54.9	44.6	67.0
67	60.1	50.9	76.3
52	27.2	22.5	33.7



#42
1,2-Dichloroethane
Concen: 49.311 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion:	62	Resp:	221901
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.6

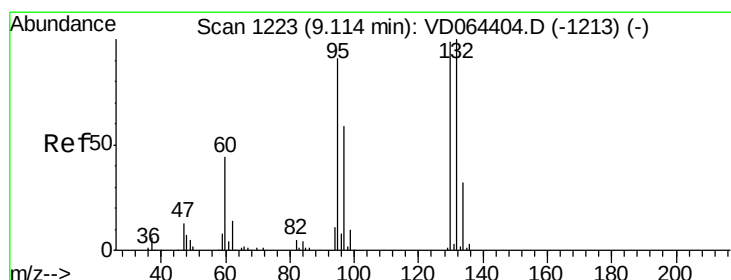
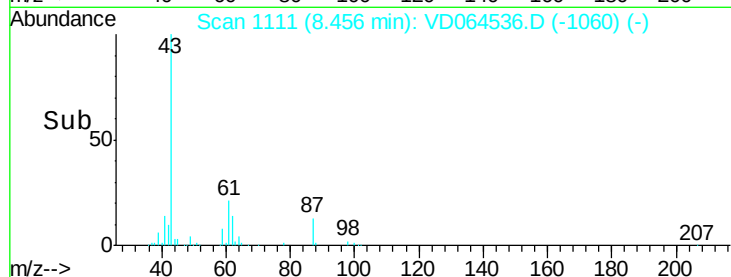
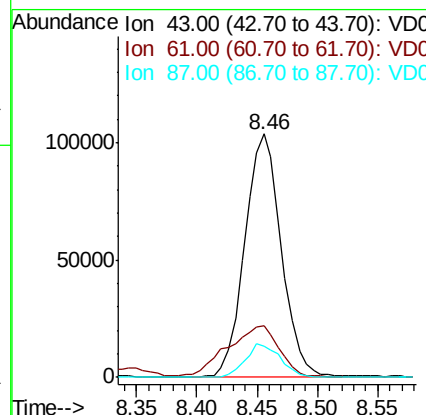
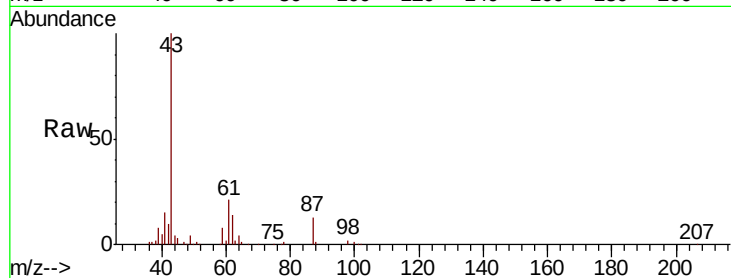




#43
Isopropyl Acetate
Concen: 47.087 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

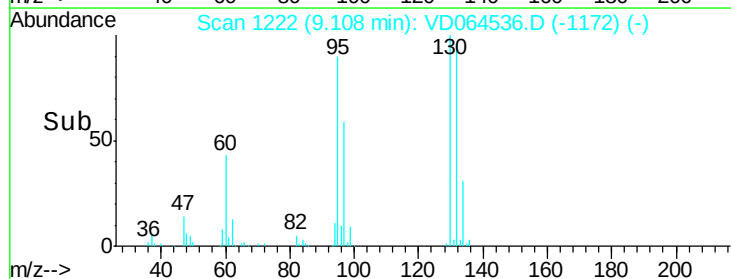
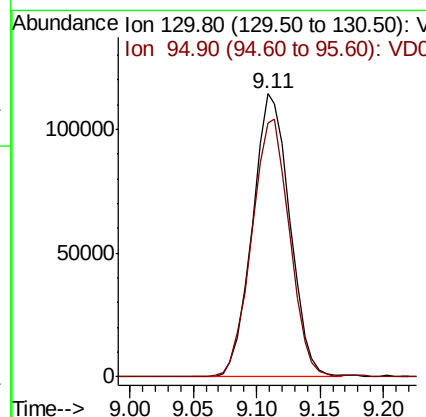
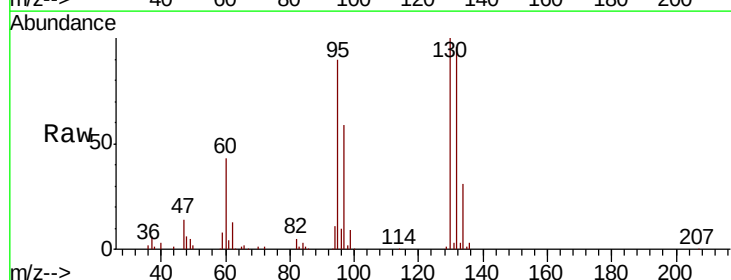
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

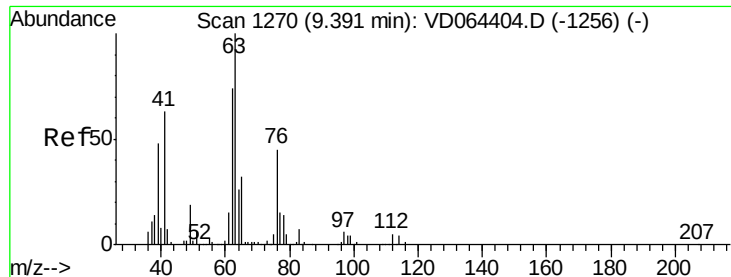
Tgt Ion: 43 Resp: 218259
Ion Ratio Lower Upper
43 100
61 30.6 24.0 36.0
87 13.2 10.6 15.8



#44
Trichloroethene
Concen: 50.483 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion: 130 Resp: 234653
Ion Ratio Lower Upper
130 100
95 89.6 0.0 184.6

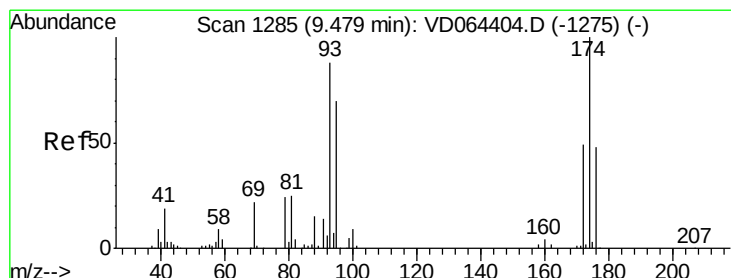
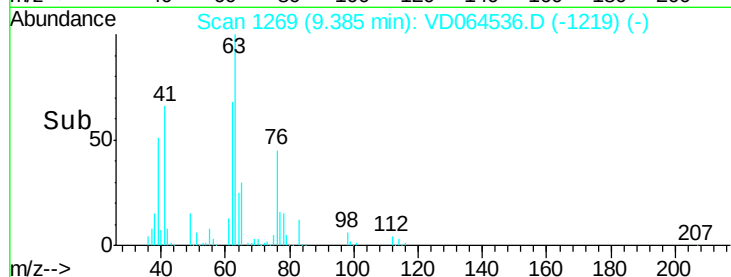
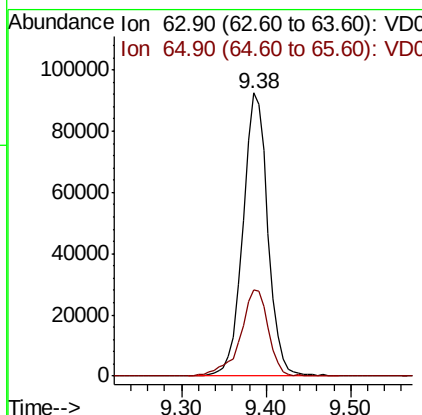
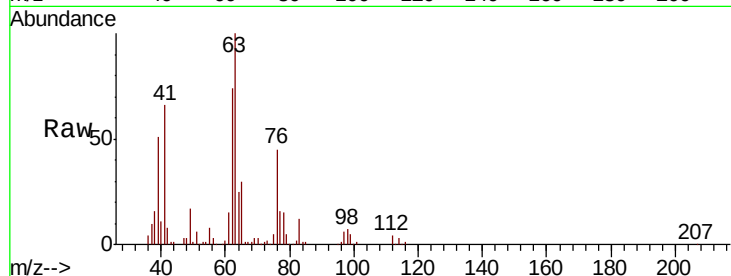




#45
 1,2-Dichloropropane
 Concen: 51.356 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

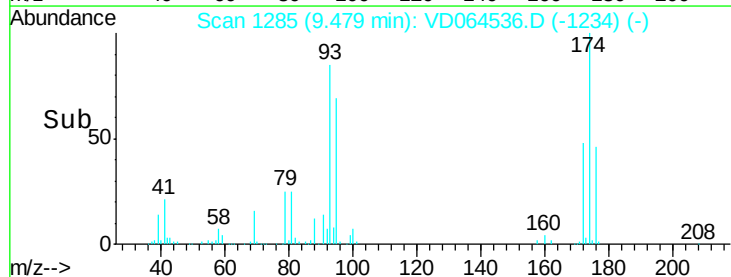
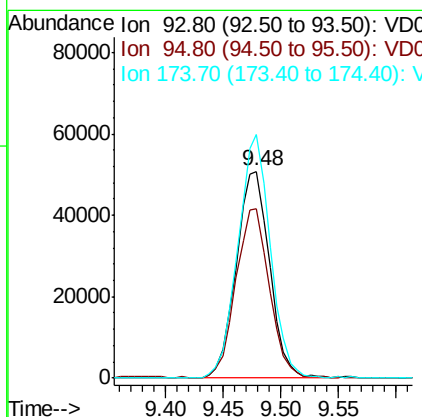
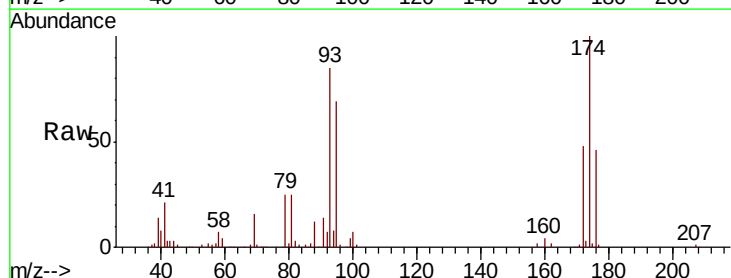
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

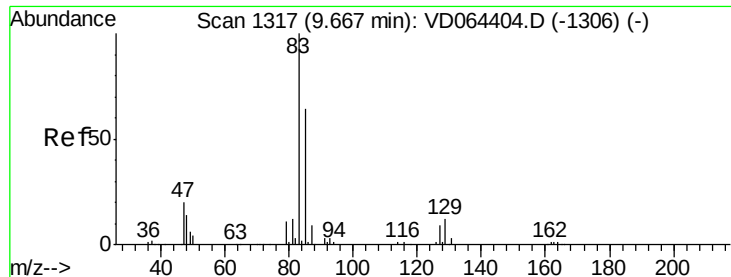
Tgt Ion: 63 Resp: 189525
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.4 38.0



#46
 Dibromomethane
 Concen: 49.006 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

Tgt Ion: 93 Resp: 102072
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.7 100.1
 174 114.2 92.3 138.5





#47

Bromodichloromethane

Concen: 52.007 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

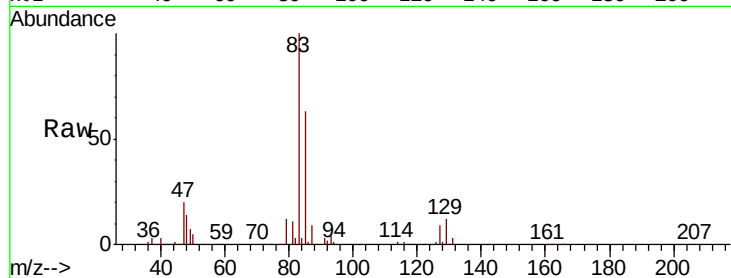
Tgt Ion: 83 Resp: 278334

Ion Ratio Lower Upper

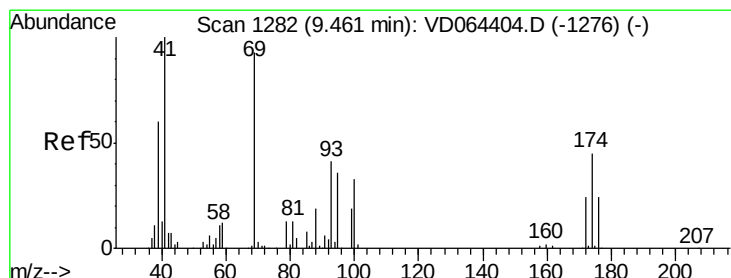
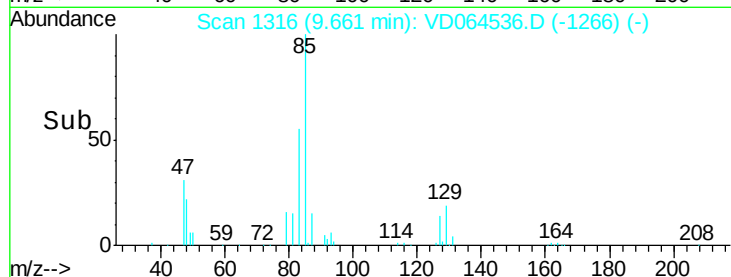
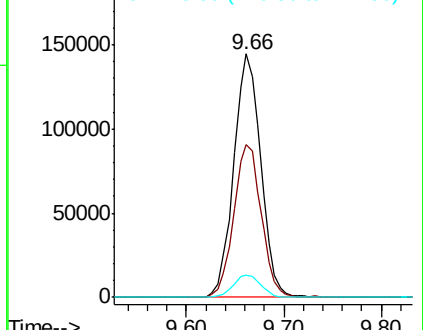
83 100

85 62.7 51.1 76.7

127 8.9 7.4 11.0



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



#48

Methyl methacrylate

Concen: 46.205 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

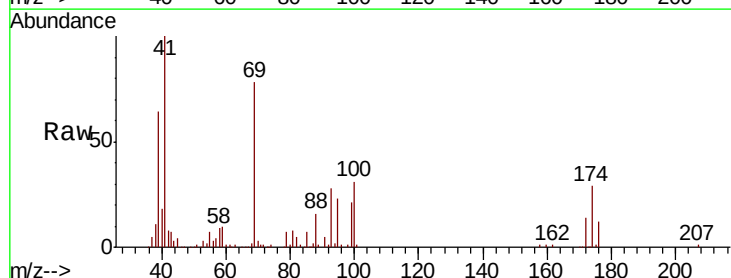
Tgt Ion: 41 Resp: 98002

Ion Ratio Lower Upper

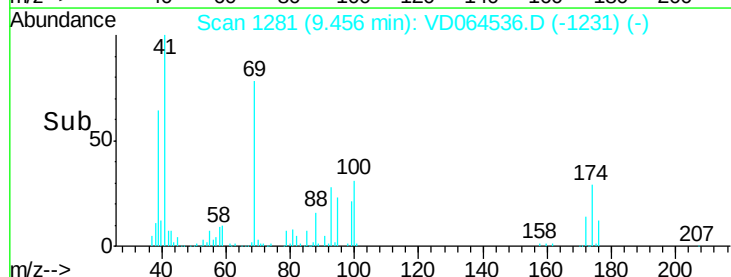
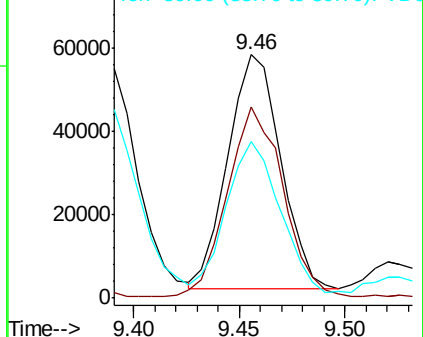
41 100

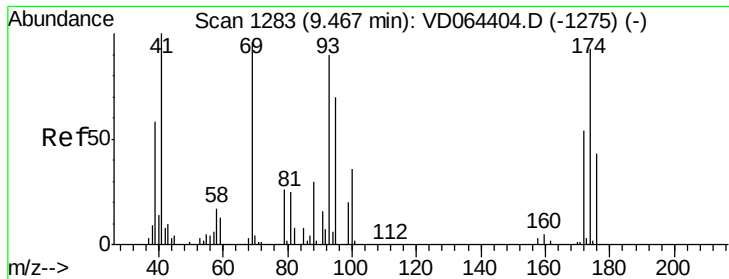
69 85.8 72.0 108.0

39 64.5 55.2 82.8



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

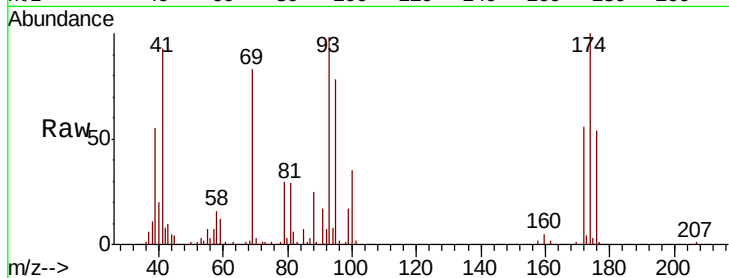




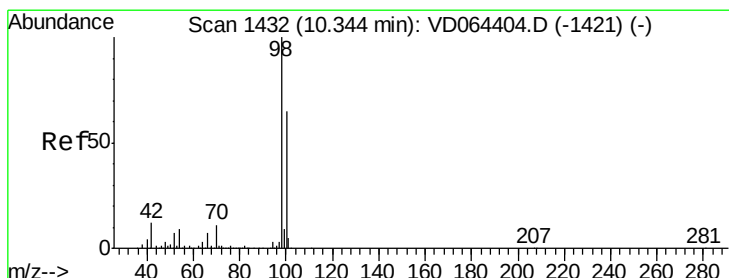
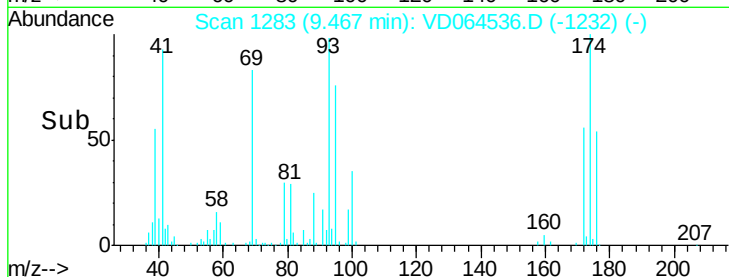
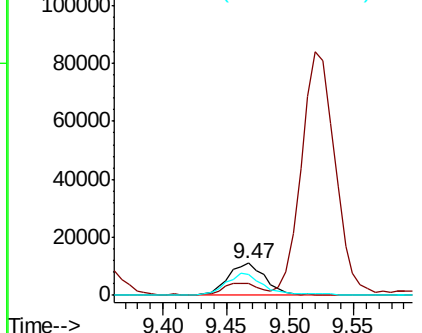
#49
1,4-Dioxane
Concen: 875.612 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 22521
Ion Ratio Lower Upper
88 100
43 38.8 26.7 40.1
58 67.2 52.3 78.5

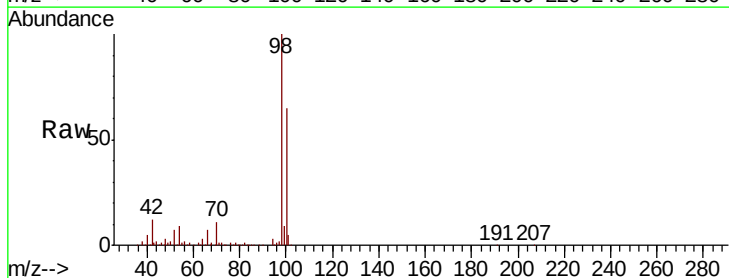


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

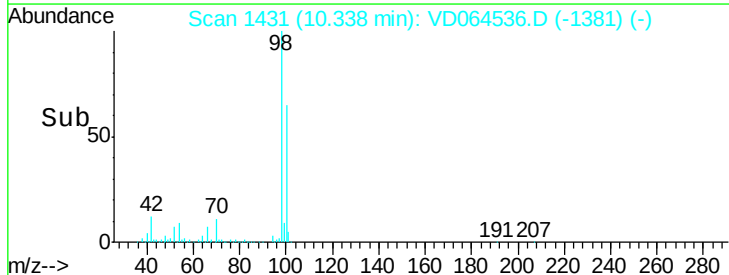
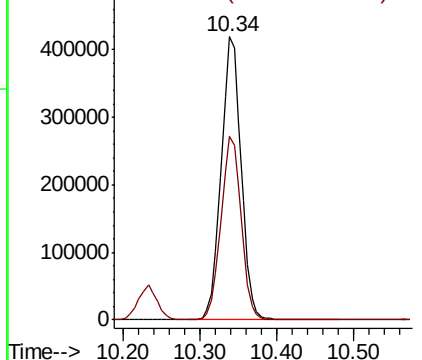


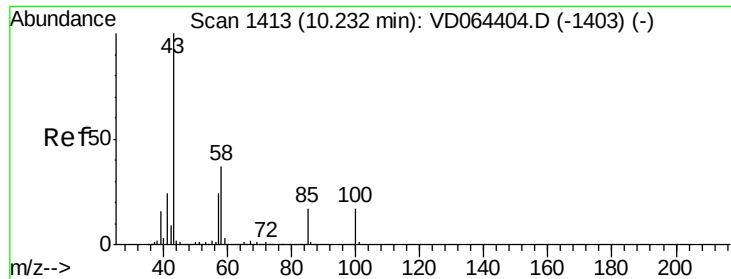
#50
Toluene-d8
Concen: 54.099 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion: 98 Resp: 754163
Ion Ratio Lower Upper
98 100
100 65.6 52.6 79.0



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

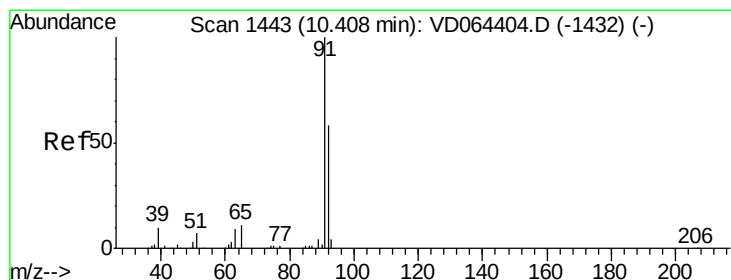
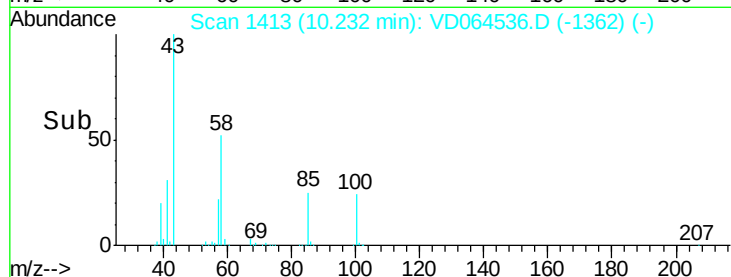
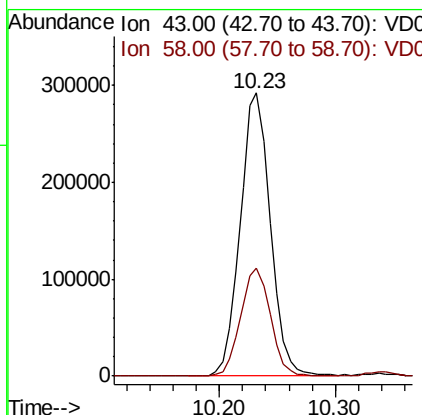
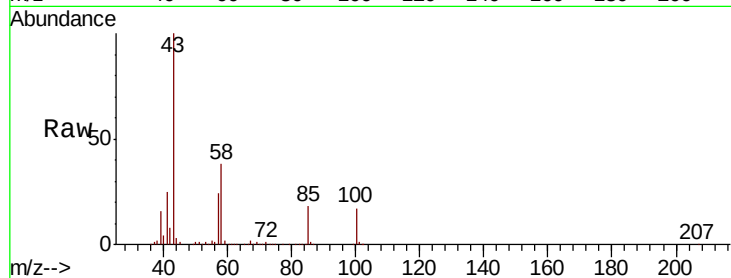




#51
4-Methyl-2-Pentanone
Concen: 230.761 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

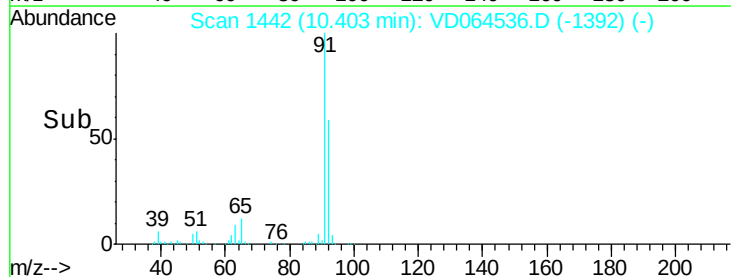
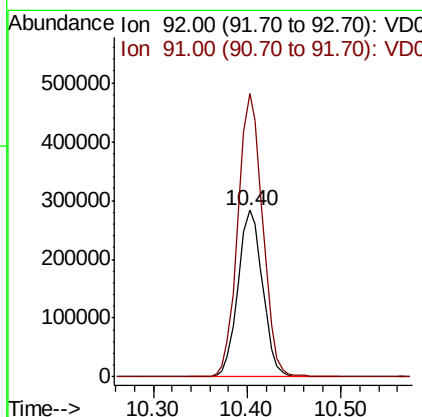
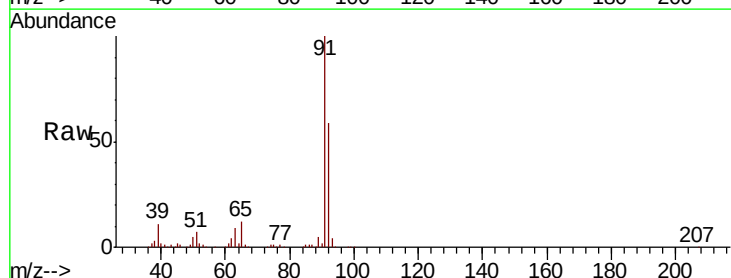
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

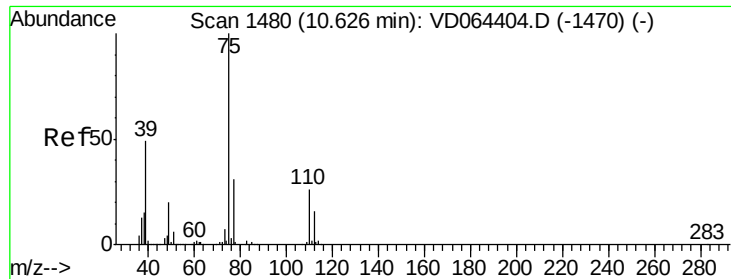
Tgt Ion: 43 Resp: 529240
Ion Ratio Lower Upper
43 100
58 38.0 30.6 46.0



#52
Toluene
Concen: 51.276 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion: 92 Resp: 515647
Ion Ratio Lower Upper
92 100
91 170.8 137.8 206.6





#53

t-1,3-Dichloropropene

Concen: 50.762 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

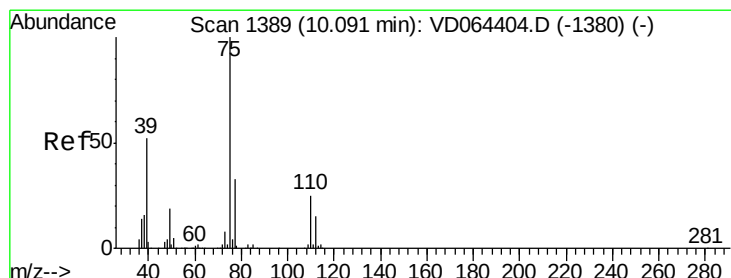
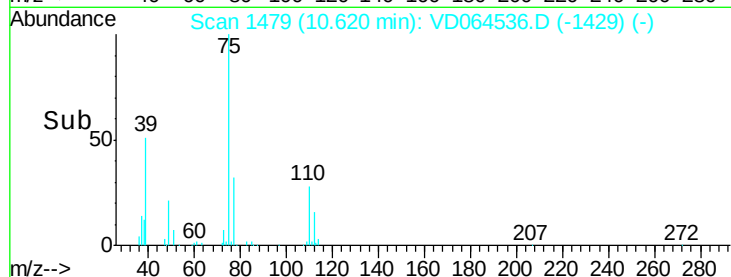
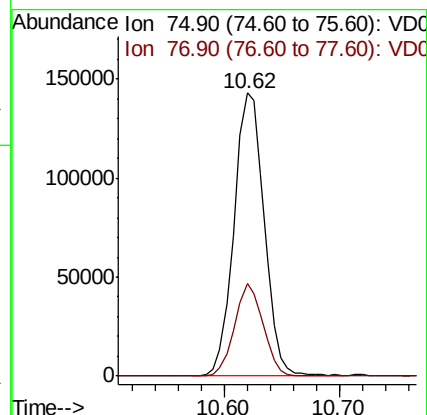
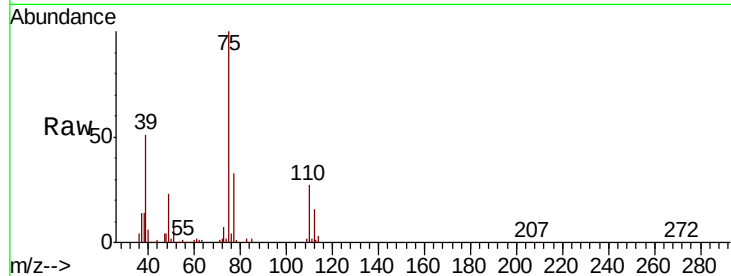
VSTDCCC050

Tgt Ion: 75 Resp: 258914

Ion Ratio Lower Upper

75 100

77 32.5 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 51.859 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

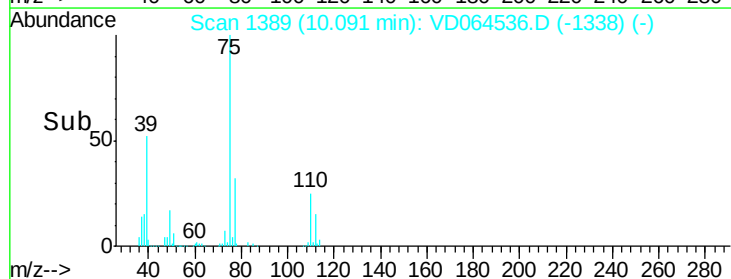
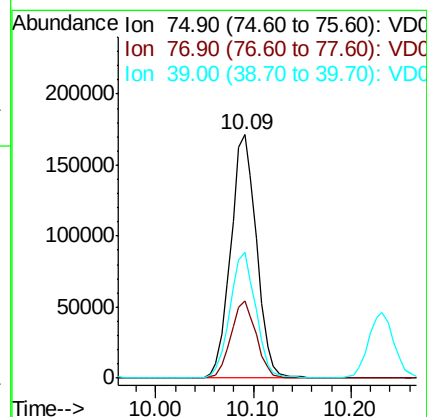
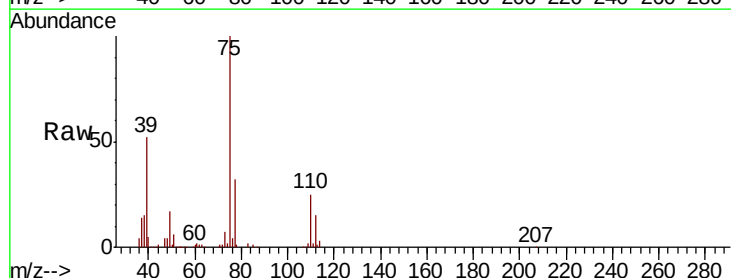
Tgt Ion: 75 Resp: 314228

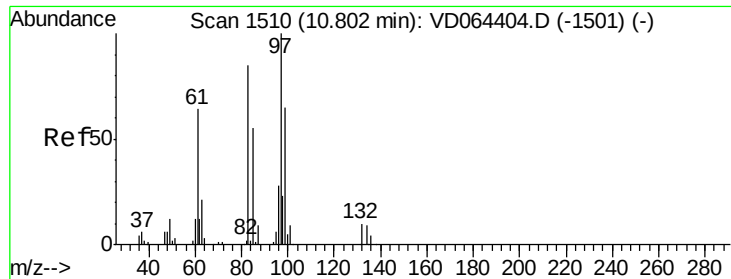
Ion Ratio Lower Upper

75 100

77 31.9 26.1 39.1

39 51.8 41.5 62.3

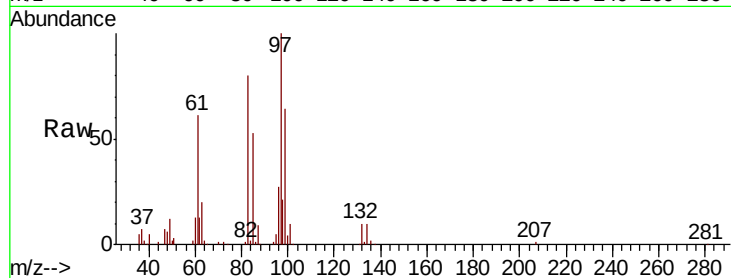




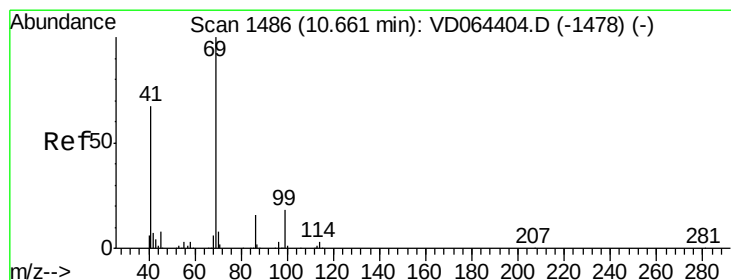
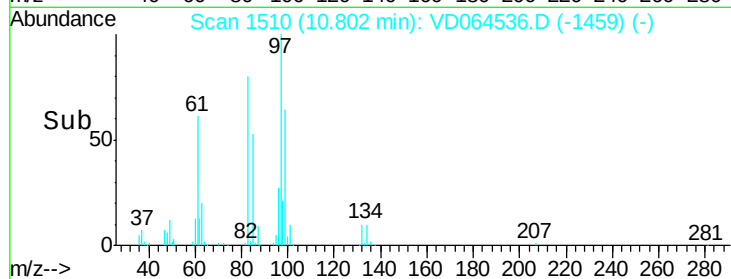
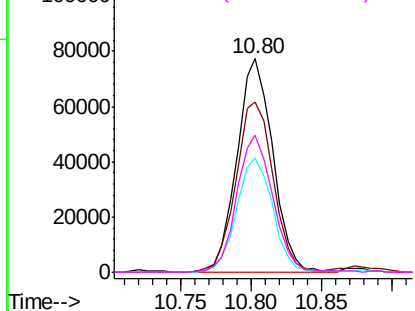
#55
 1,1,2-Trichloroethane
 Concen: 48.302 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	137758
Ion	Ratio	Lower	Upper
97	100		
83	79.7	67.8	101.8
85	53.2	43.7	65.5
99	64.3	51.7	77.5

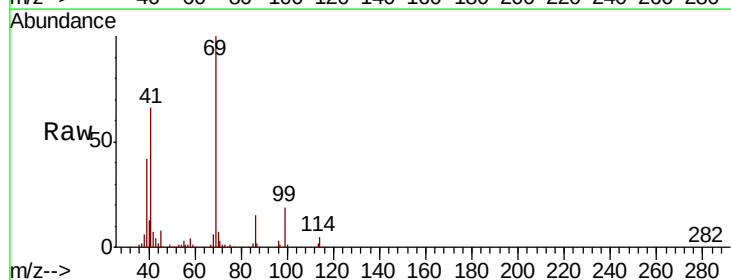


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

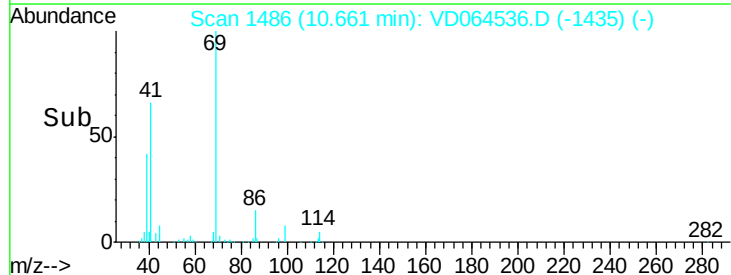
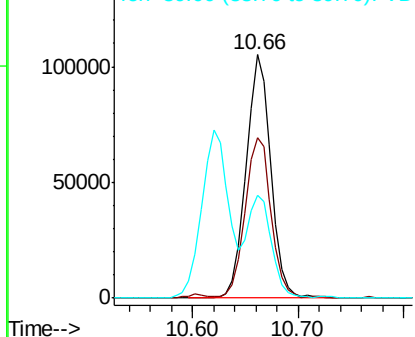


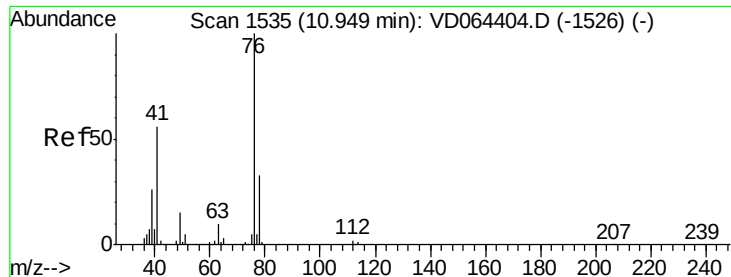
#56
 Ethyl methacrylate
 Concen: 47.128 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

Tgt Ion:	69	Resp:	171433
Ion	Ratio	Lower	Upper
69	100		
41	67.7	55.0	82.4
39	42.6	33.0	49.6



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





#57

1,3-Dichloropropane

Concen: 48.838 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

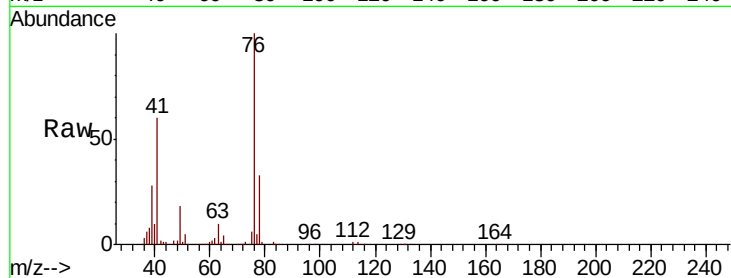
VSTDCCC050

Tgt Ion: 76 Resp: 237103

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

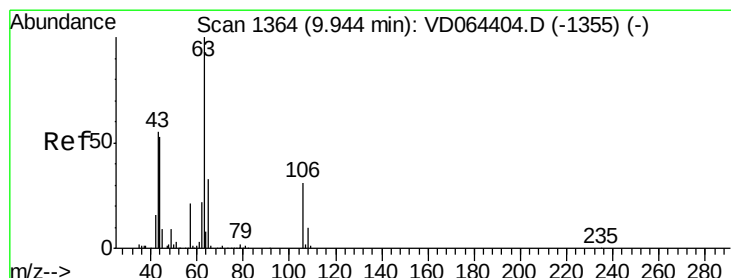
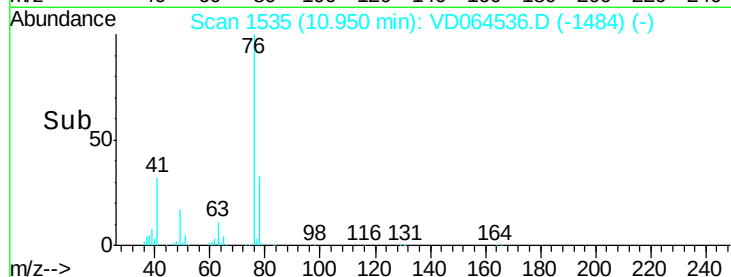
150000

100000

50000

0

Time--> 10.85 10.90 10.95 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 213.018 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064536.D

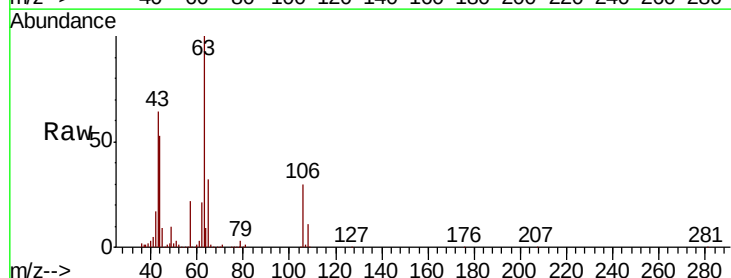
Acq: 17 Dec 2019 10:36

Tgt Ion: 63 Resp: 308895

Ion Ratio Lower Upper

63 100

106 30.3 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

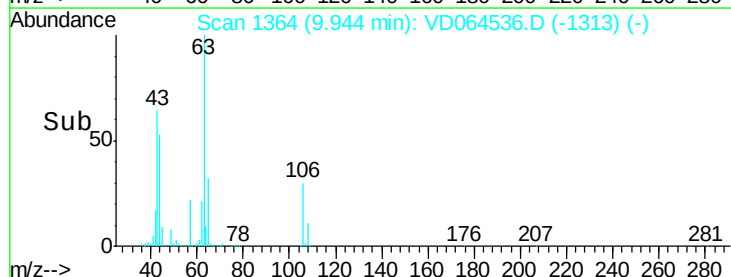
150000

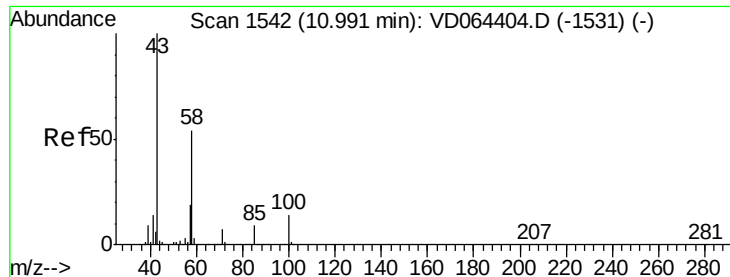
100000

50000

0

Time--> 9.90 9.95 10.00 10.10

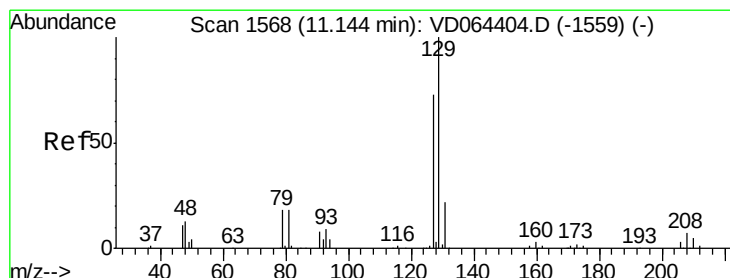
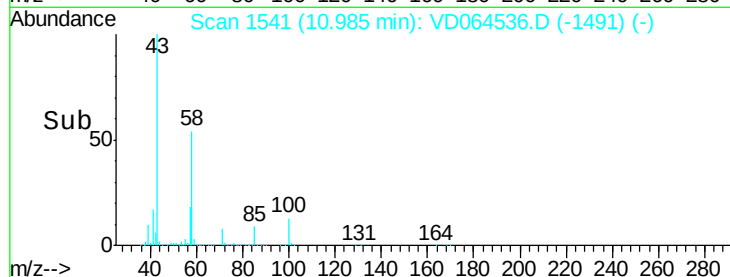
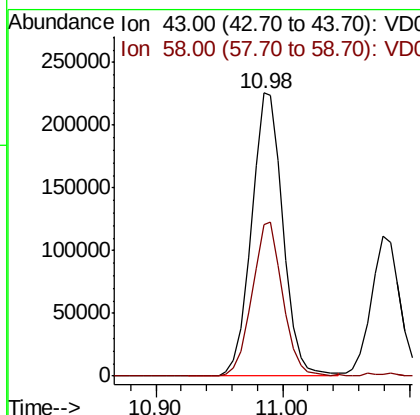
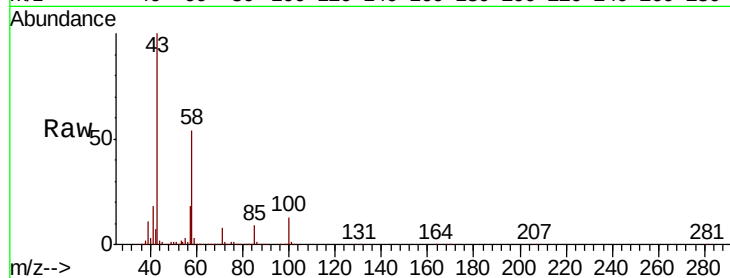




#59
2-Hexanone
Concen: 245.285 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

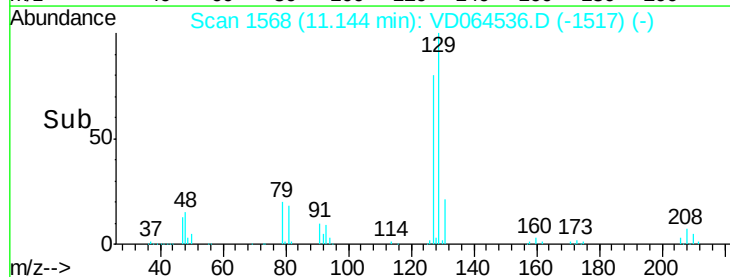
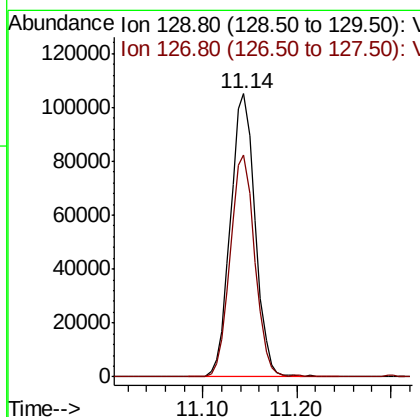
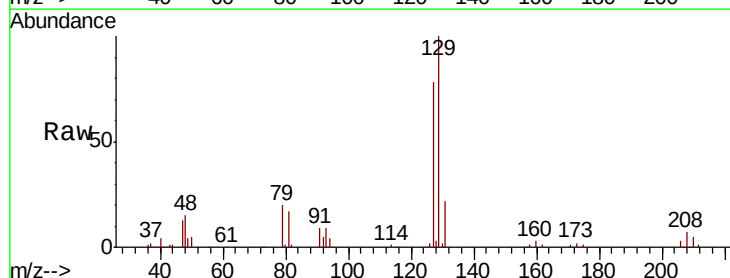
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

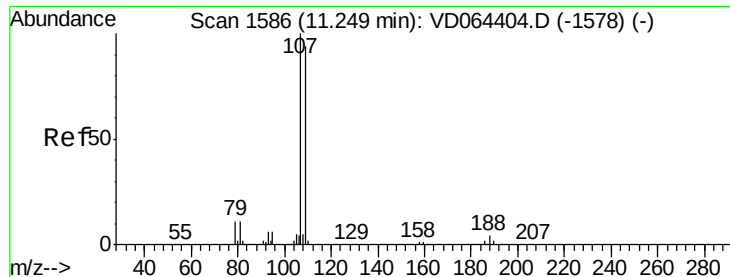
Tgt Ion: 43 Resp: 390348
Ion Ratio Lower Upper
43 100
58 53.0 26.3 78.8



#60
Dibromochloromethane
Concen: 49.612 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion: 129 Resp: 191845
Ion Ratio Lower Upper
129 100
127 77.8 38.1 114.3

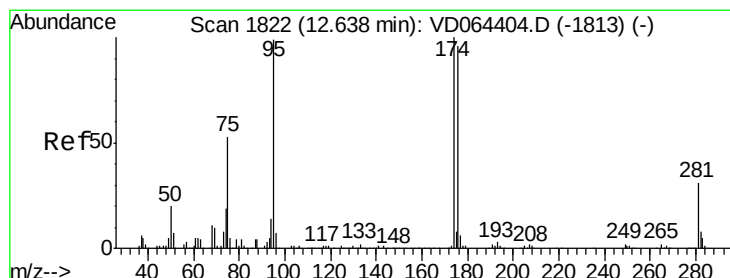
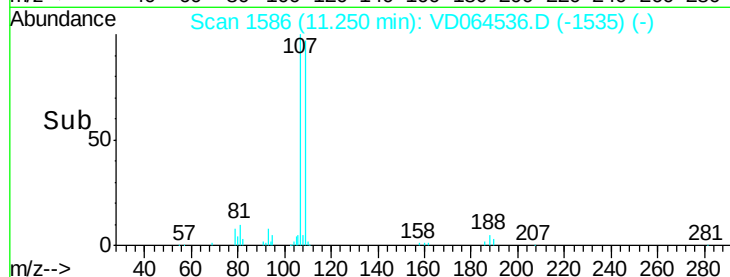
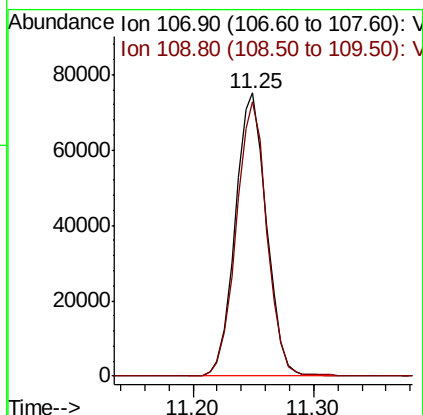
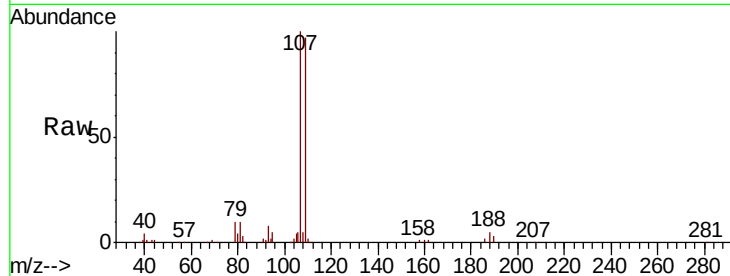




#61
 1,2-Dibromoethane
 Concen: 47.469 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

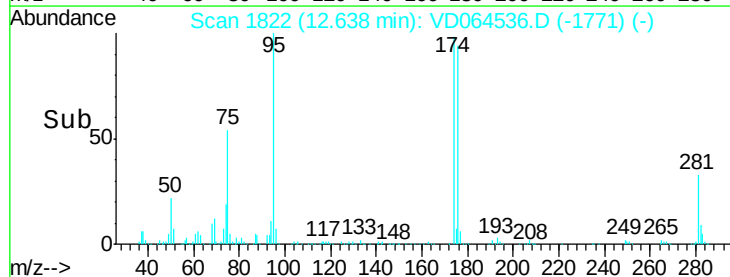
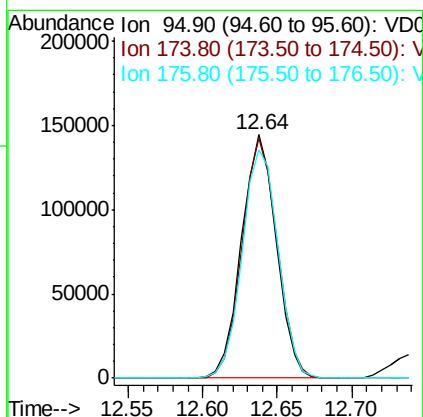
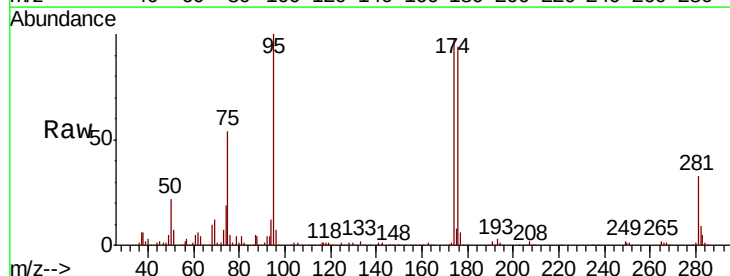
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

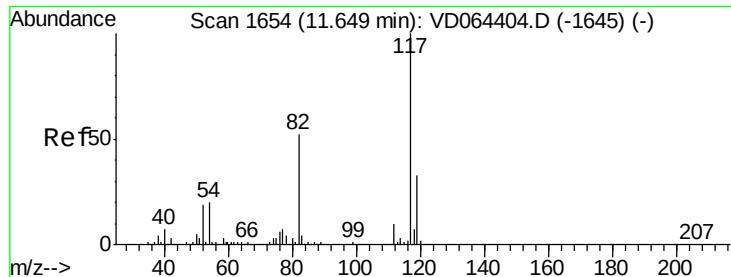
Tgt Ion: 107 Resp: 135174
 Ion Ratio Lower Upper
 107 100
 109 95.2 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 52.125 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

Tgt Ion: 95 Resp: 233525
 Ion Ratio Lower Upper
 95 100
 174 99.2 0.0 197.2
 176 97.0 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: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

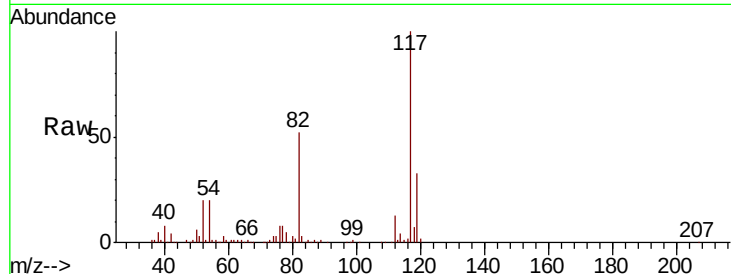
Tgt Ion:117 Resp: 518756

Ion Ratio Lower Upper

117 100

82 52.2 41.4 62.2

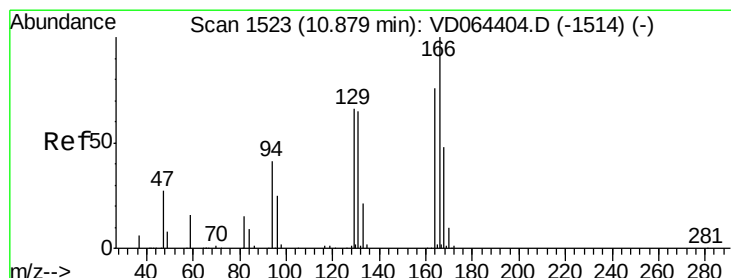
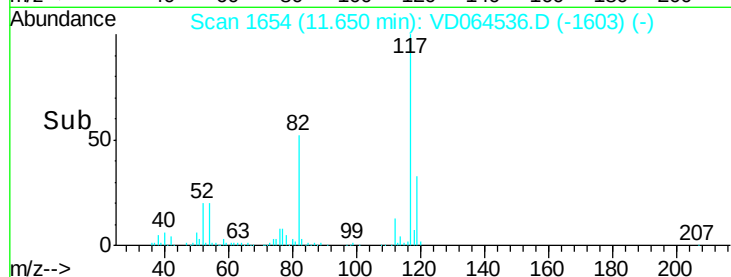
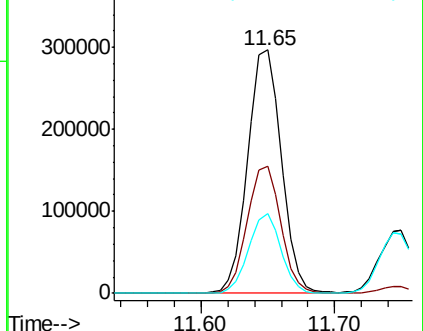
119 32.8 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 51.780 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. -0.01 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Tgt Ion:164 Resp: 204838

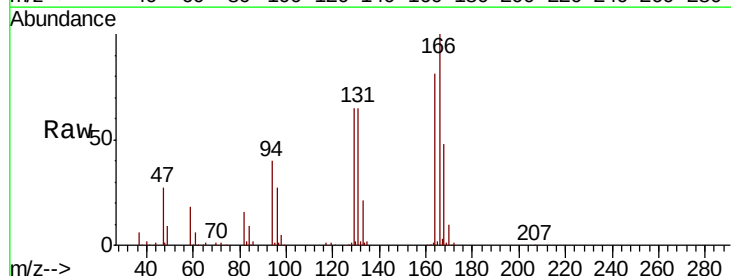
Ion Ratio Lower Upper

164 100

166 123.0 104.8 157.2

129 80.5 68.7 103.1

131 80.5 67.9 101.9

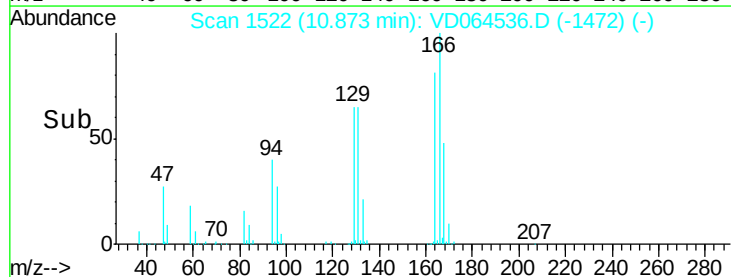
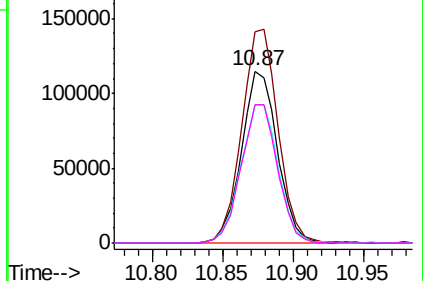


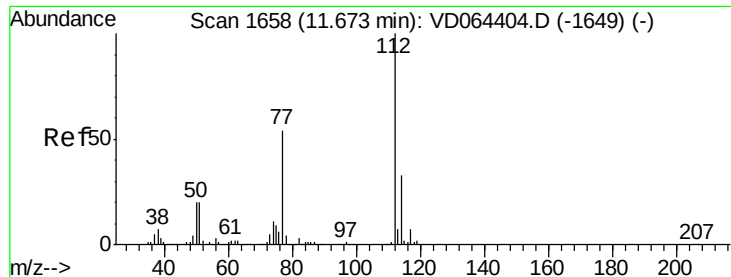
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

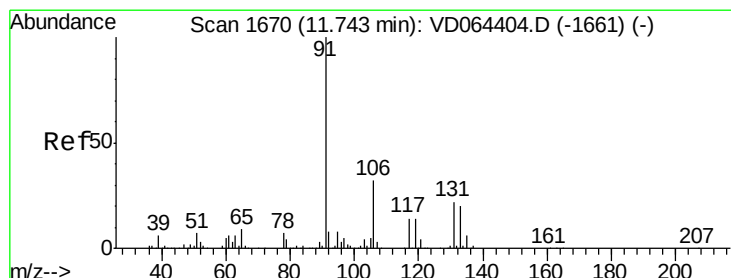
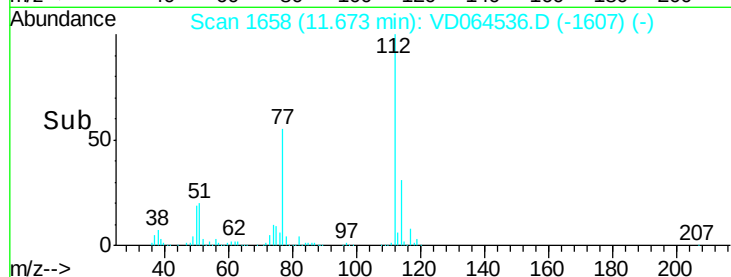
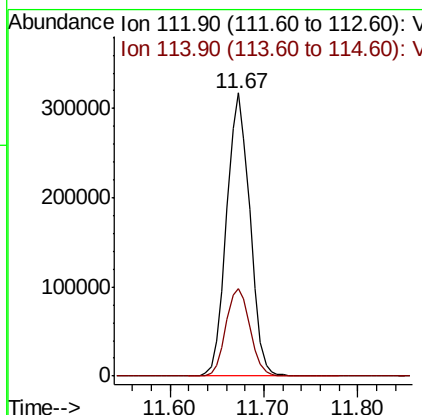
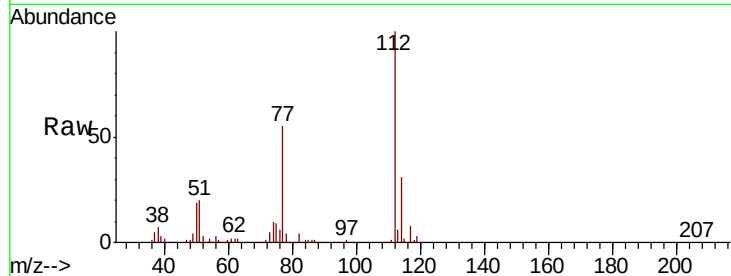




#65
Chlorobenzene
Concen: 50.371 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

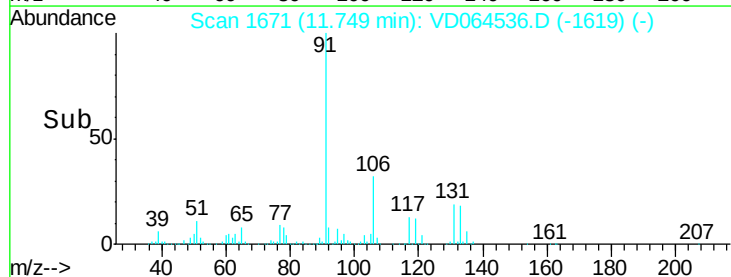
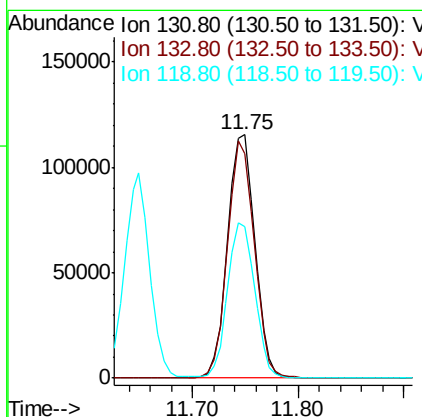
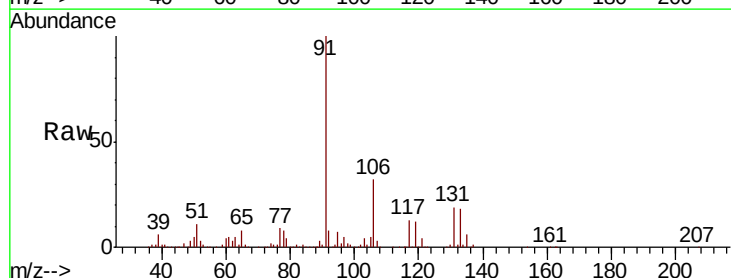
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

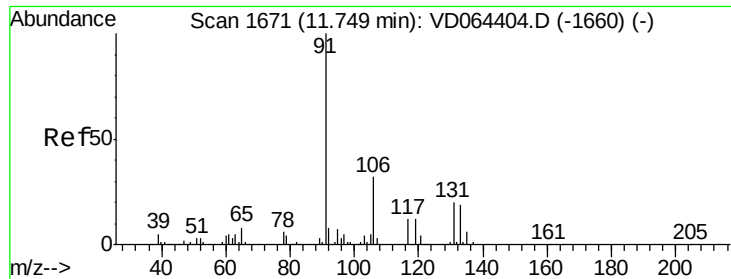
Tgt Ion:112 Resp: 544989
Ion Ratio Lower Upper
112 100
114 31.0 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 51.702 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion:131 Resp: 207080
Ion Ratio Lower Upper
131 100
133 95.3 48.3 144.9
119 63.5 31.9 95.9

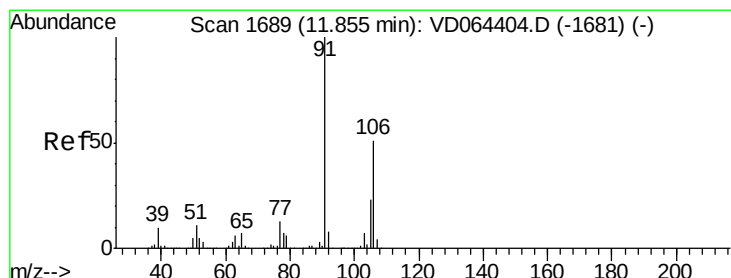
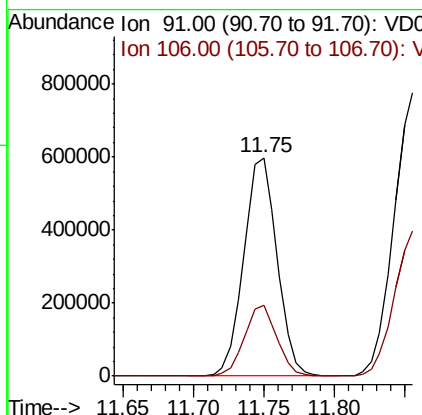
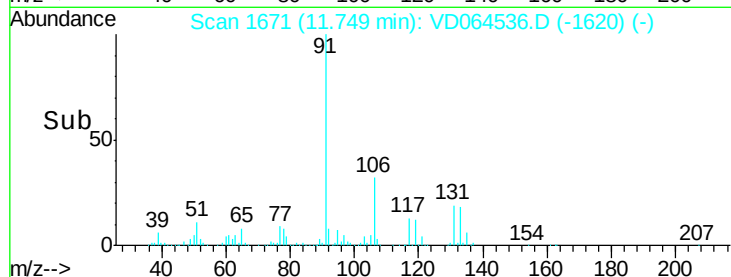
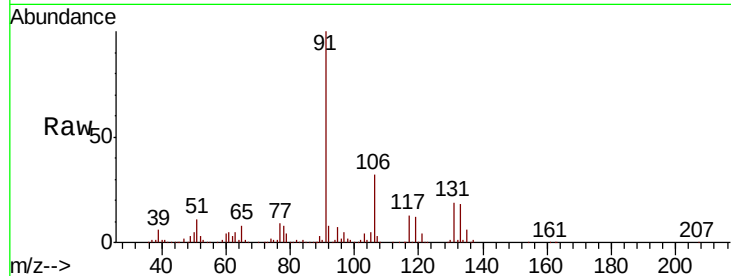




#67
Ethyl Benzene
Concen: 51.594 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

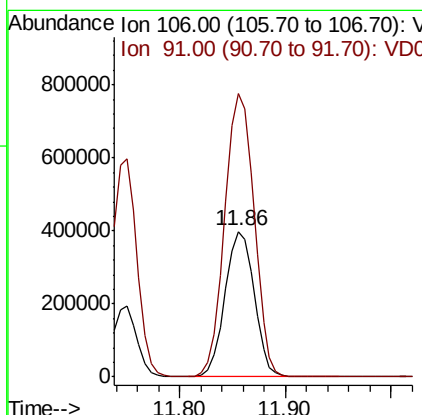
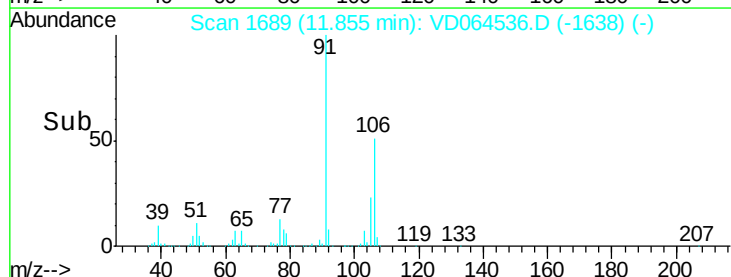
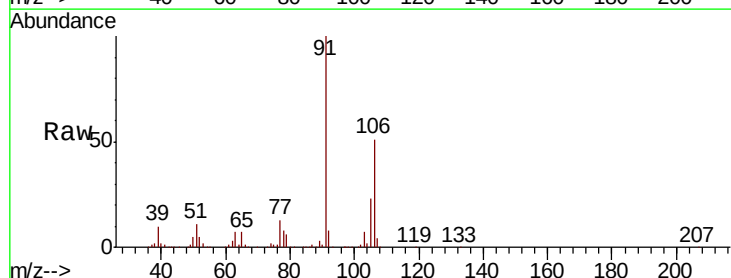
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

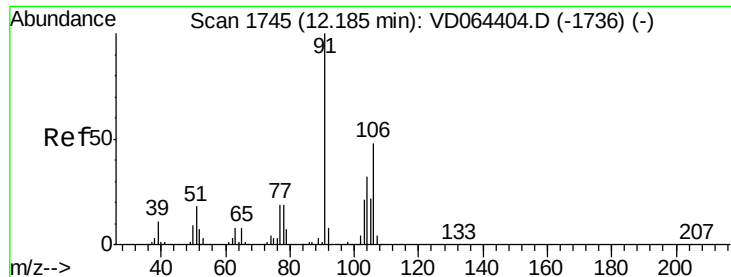
Tgt Ion: 91 Resp: 993216
Ion Ratio Lower Upper
91 100
106 32.4 25.8 38.8



#68
m/p-Xylenes
Concen: 104.181 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion: 106 Resp: 764691
Ion Ratio Lower Upper
106 100
91 196.7 157.4 236.2

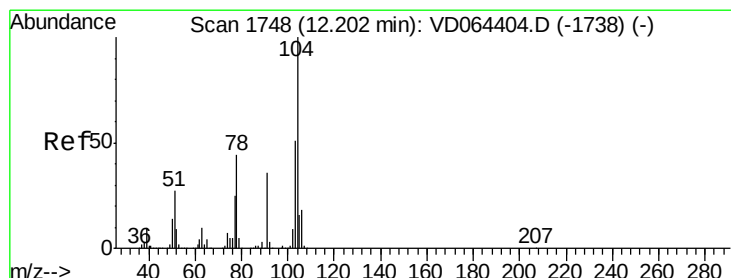
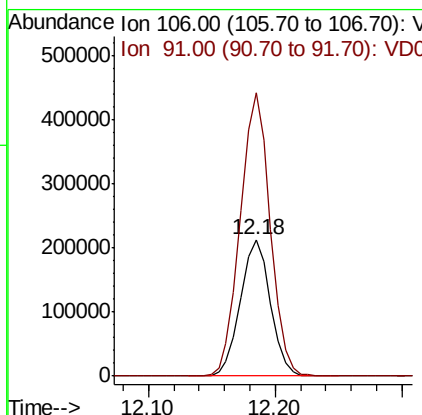
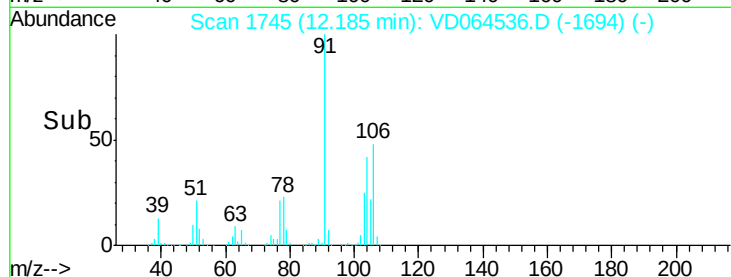
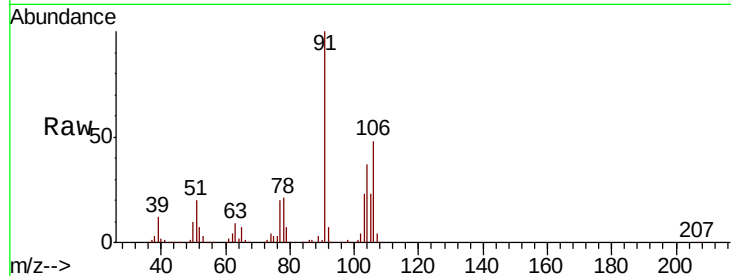




#69
o-Xylene
Concen: 51.501 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

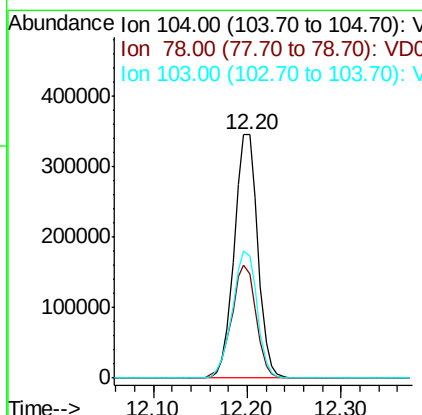
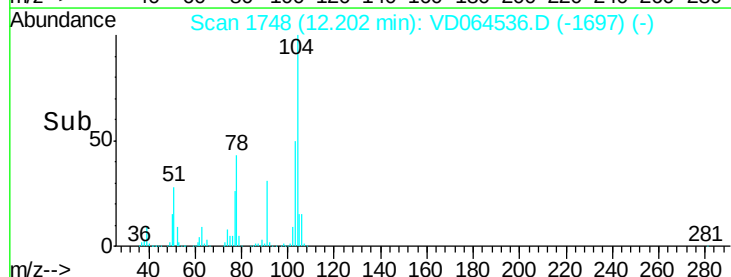
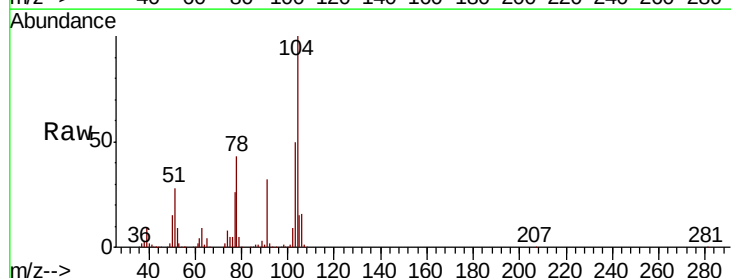
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

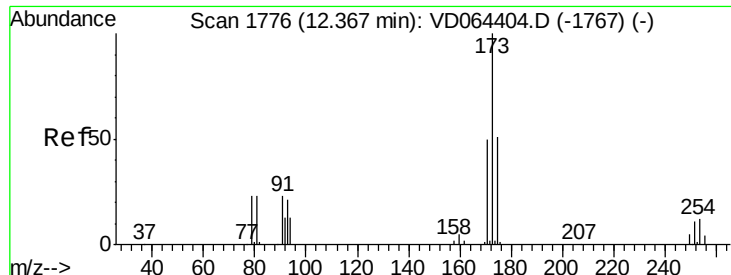
Tgt Ion:106 Resp: 349120
Ion Ratio Lower Upper
106 100
91 207.2 103.8 311.4



#70
Styrene
Concen: 50.810 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion:104 Resp: 598548
Ion Ratio Lower Upper
104 100
78 48.6 38.8 58.2
103 54.7 44.2 66.4

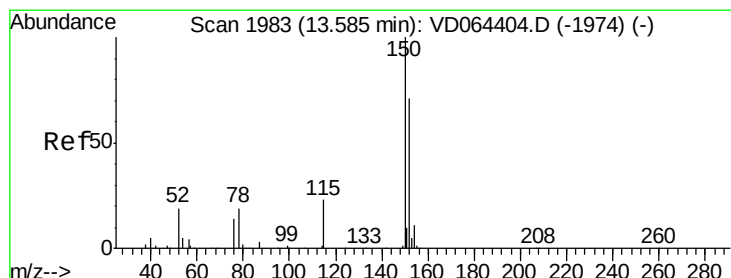
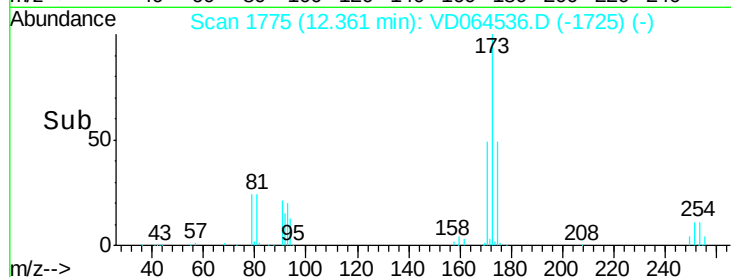
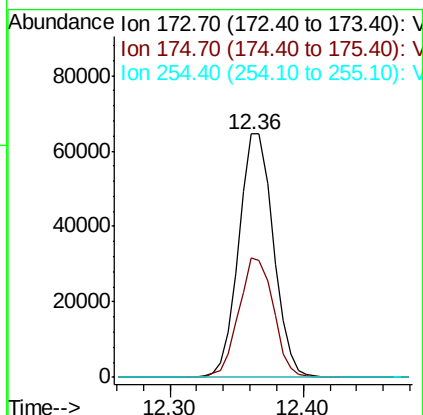
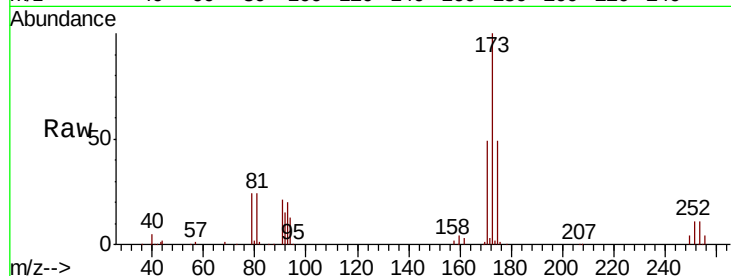




#71
Bromoform
Concen: 48.431 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

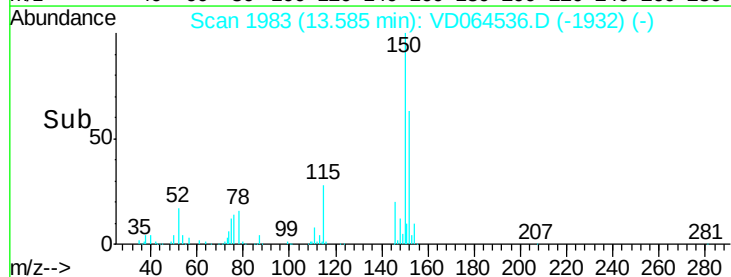
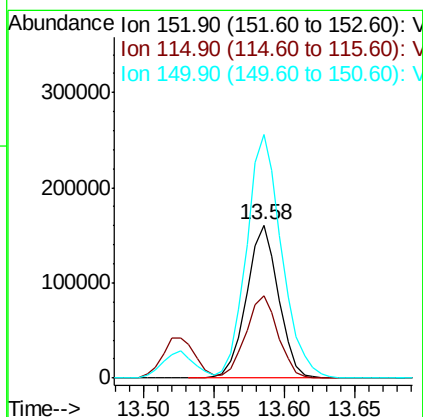
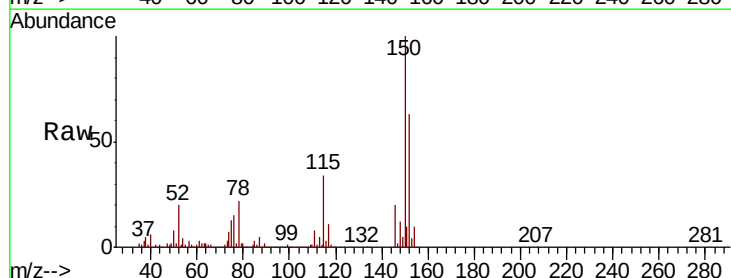
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

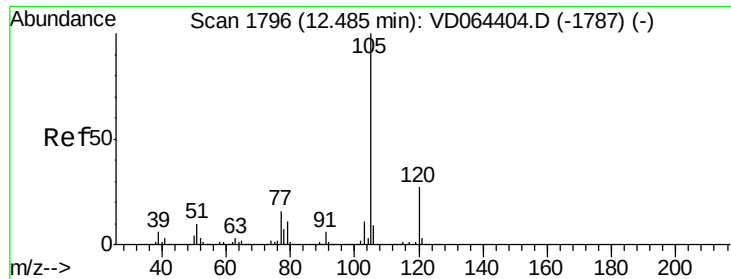
Tgt Ion:173 Resp: 116055
Ion Ratio Lower Upper
173 100
175 48.9 25.3 75.8
254 0.1 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion:152 Resp: 253975
Ion Ratio Lower Upper
152 100
115 54.3 26.7 80.1
150 175.9 0.0 347.2





#73

Isopropylbenzene

Concen: 52.618 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

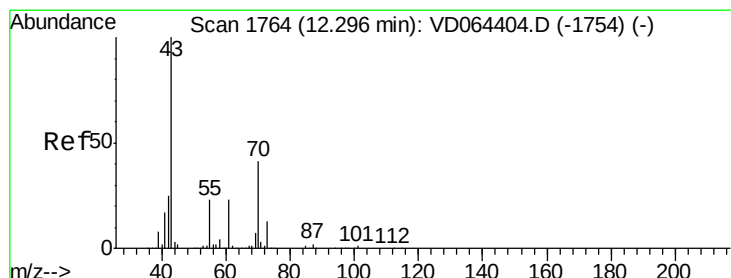
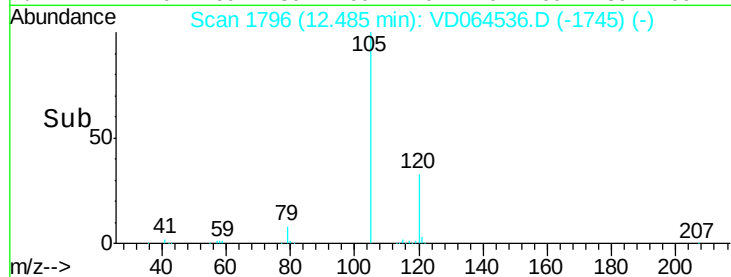
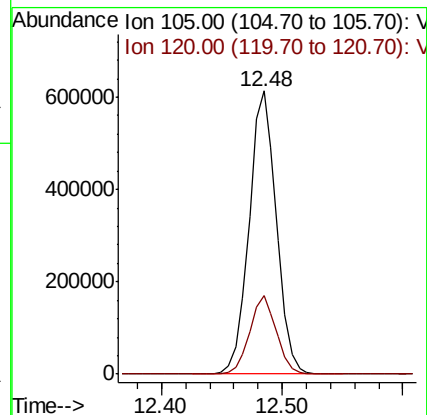
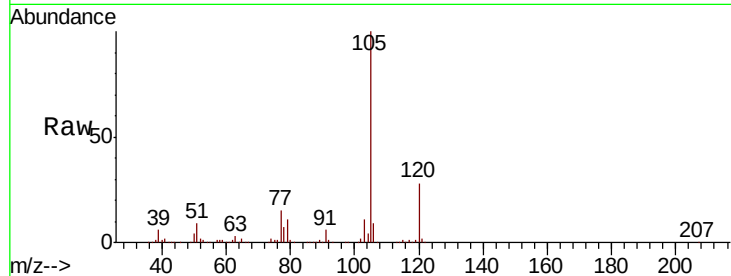
VSTDCCC050

Tgt Ion:105 Resp: 961121

Ion Ratio Lower Upper

105 100

120 27.0 13.4 40.2



#74

N-ethyl acetate

Concen: 48.263 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Tgt Ion: 43 Resp: 200086

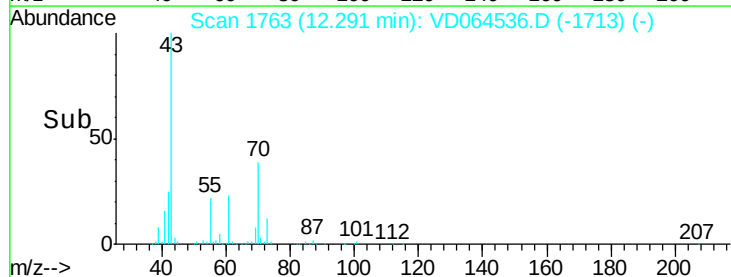
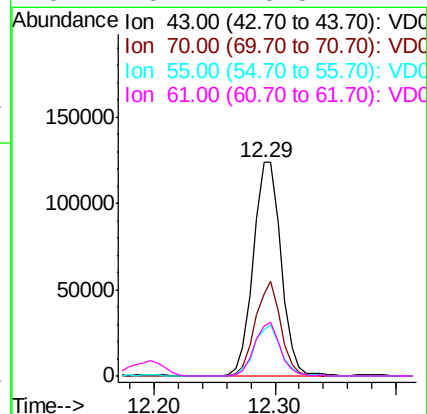
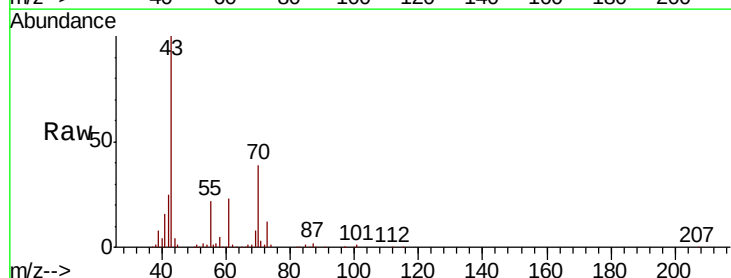
Ion Ratio Lower Upper

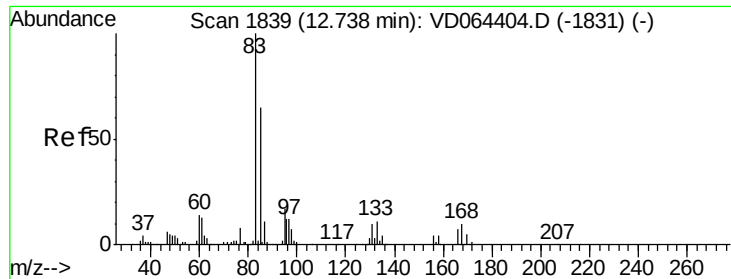
43 100

70 40.6 33.4 50.2

55 23.2 18.9 28.3

61 23.1 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 47.467 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

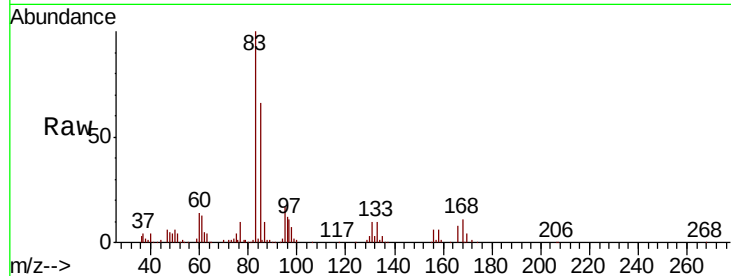
Tgt Ion: 83 Resp: 143382

Ion Ratio Lower Upper

83 100

131 11.3 5.7 17.0

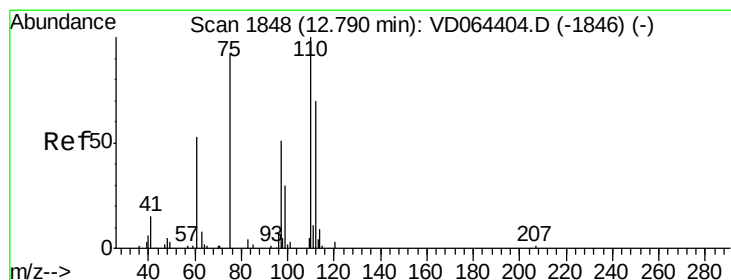
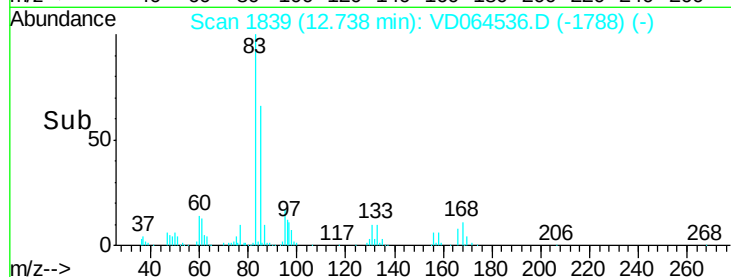
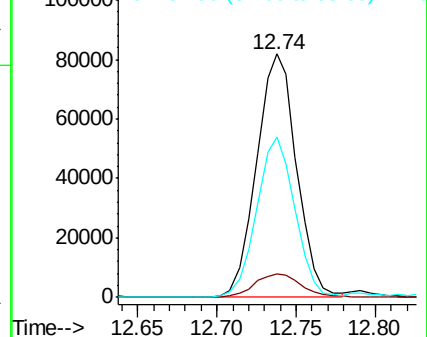
85 63.0 31.3 93.9



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: 91.922 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064536.D

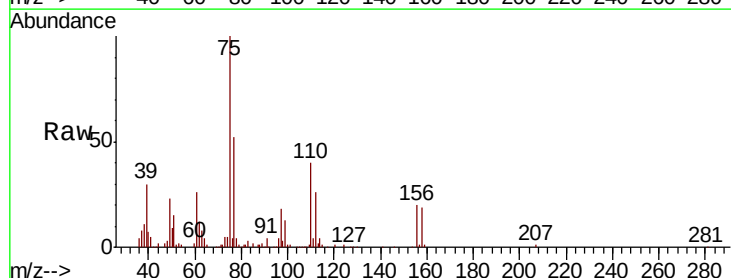
Acq: 17 Dec 2019 10:36

Tgt Ion: 75 Resp: 191989

Ion Ratio Lower Upper

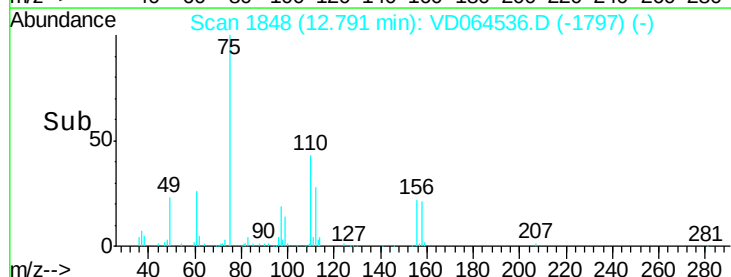
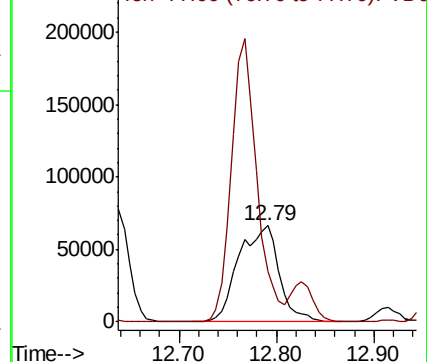
75 100

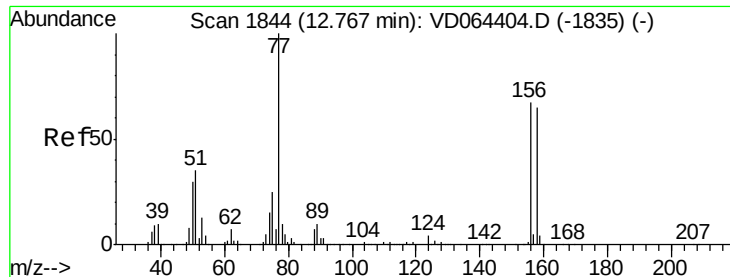
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 50.850 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

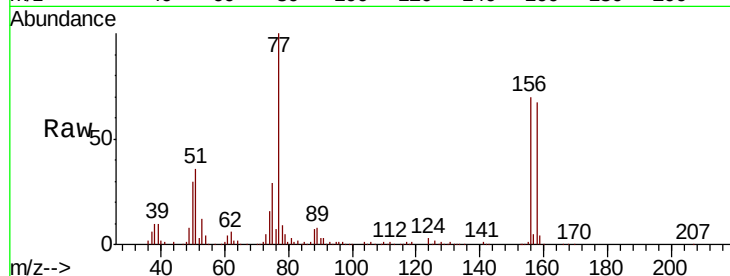
Tgt Ion:156 Resp: 229371

Ion Ratio Lower Upper

156 100

77 155.6 80.0 240.2

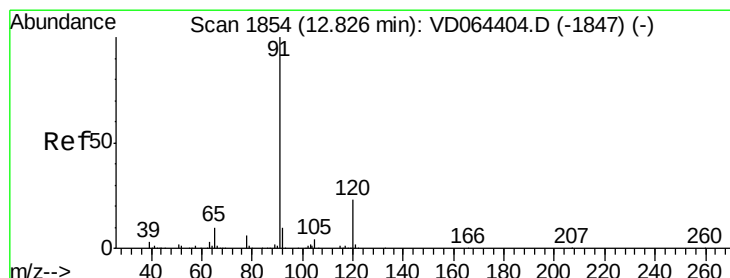
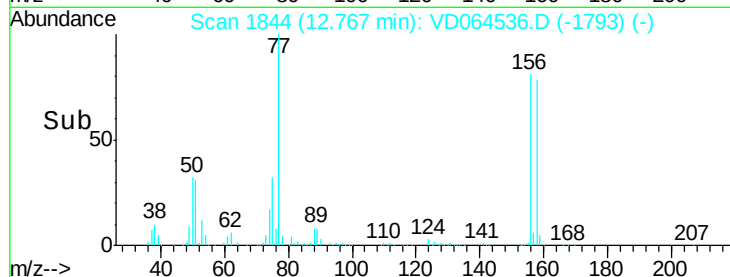
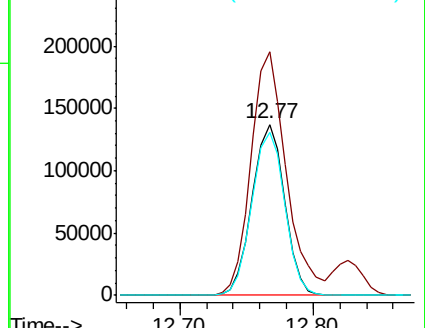
158 97.2 48.9 146.6



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: 52.534 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064536.D

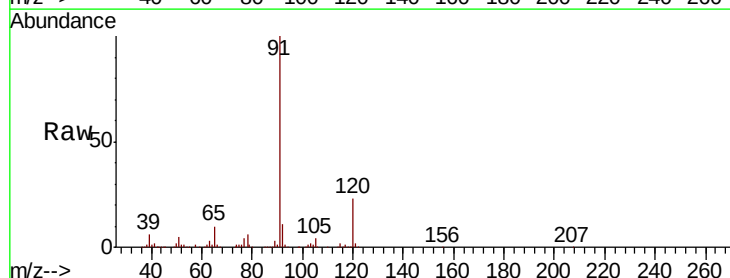
Acq: 17 Dec 2019 10:36

Tgt Ion: 91 Resp: 1107186

Ion Ratio Lower Upper

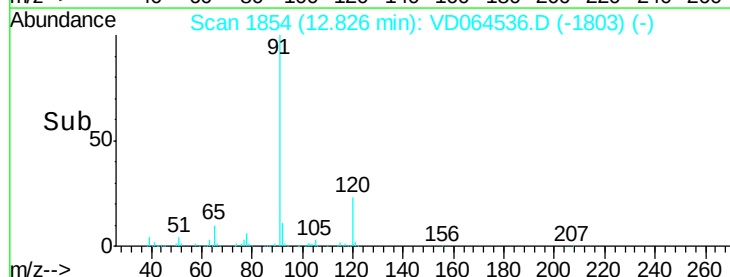
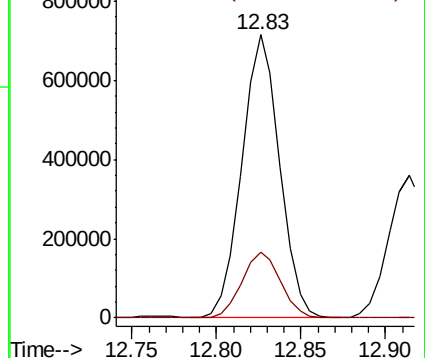
91 100

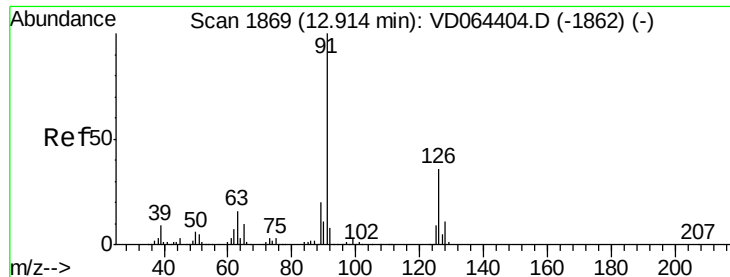
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.644 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

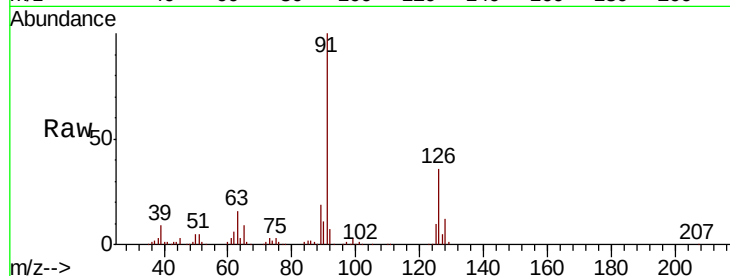
VSTDCCC050

Tgt Ion: 91 Resp: 598908

Ion Ratio Lower Upper

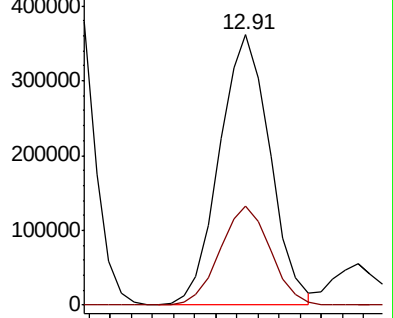
91 100

126 36.5 18.0 54.0

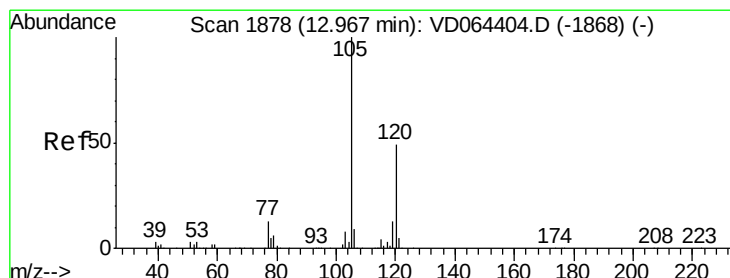
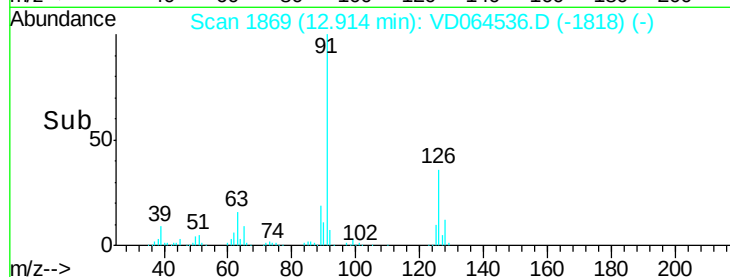


Abundance Ion 91.00 (90.70 to 91.70): VD064404.D (-1862) (-)

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



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.328 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064536.D

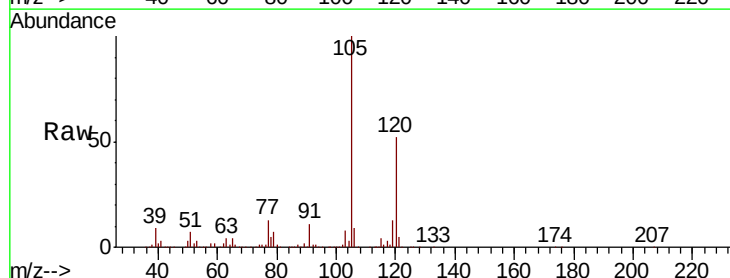
Acq: 17 Dec 2019 10:36

Tgt Ion: 105 Resp: 766178

Ion Ratio Lower Upper

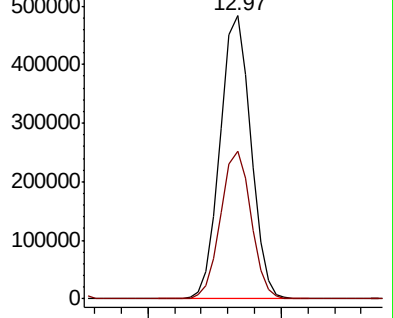
105 100

120 51.8 25.1 75.3

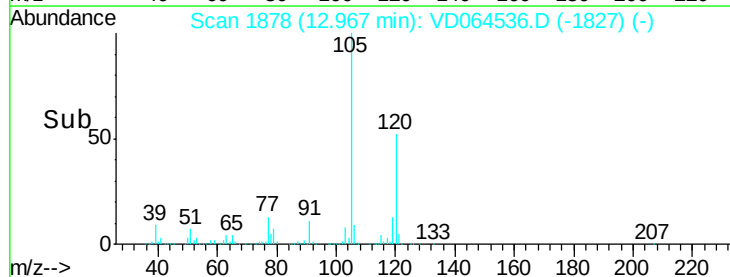


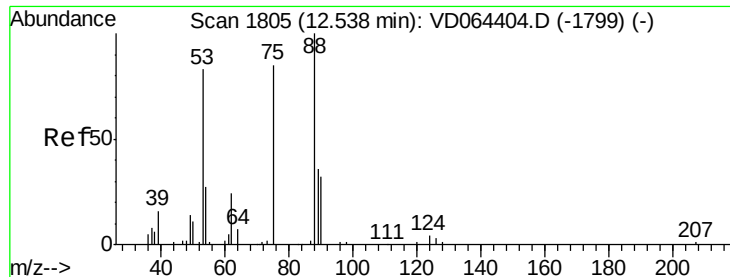
Abundance Ion 105.00 (104.70 to 105.70): VD064404.D (-1868) (-)

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



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 50.344 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

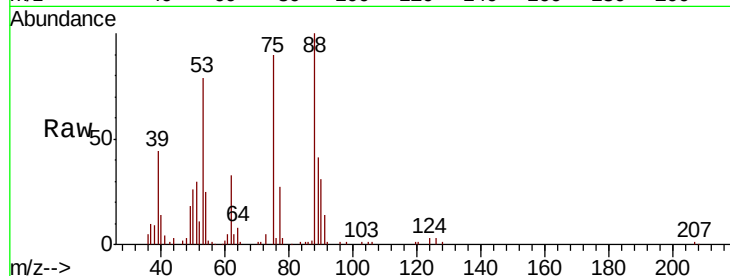
Tgt Ion: 75 Resp: 48222

Ion Ratio Lower Upper

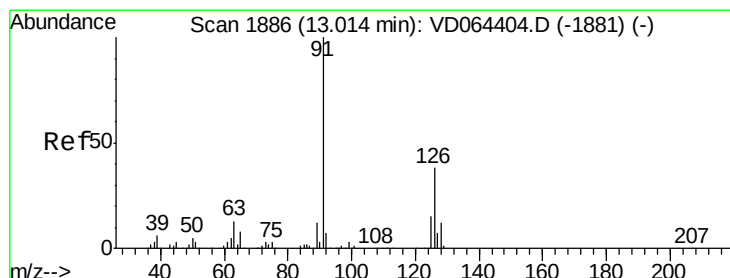
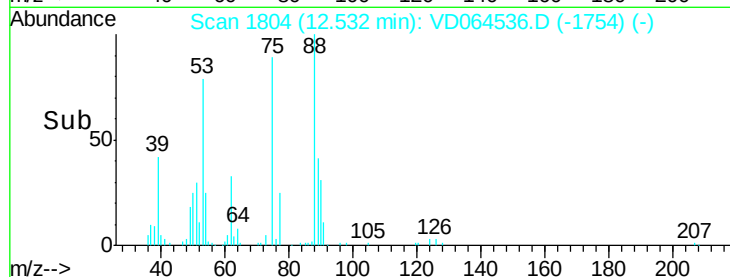
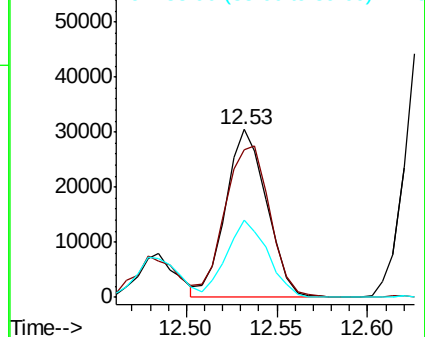
75 100

53 98.6 81.0 121.6

89 45.8 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: 50.987 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064536.D

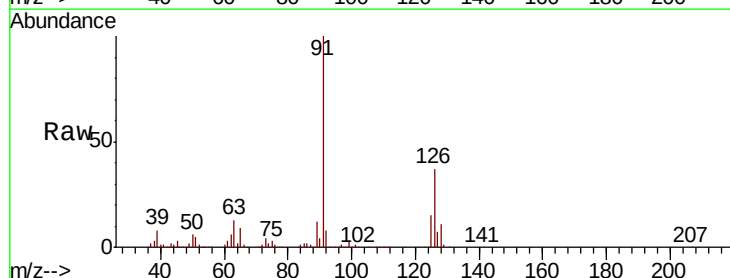
Acq: 17 Dec 2019 10:36

Tgt Ion: 91 Resp: 626038

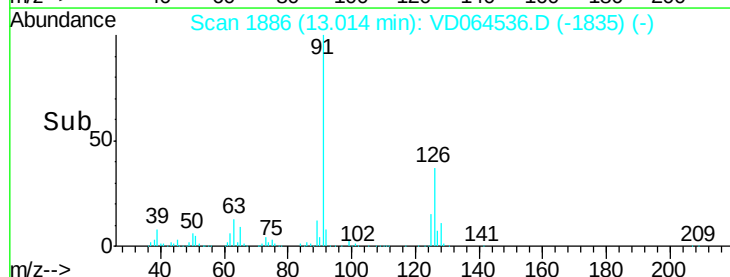
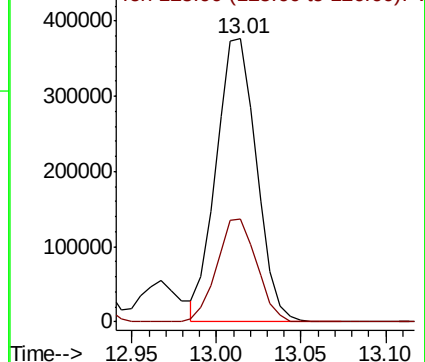
Ion Ratio Lower Upper

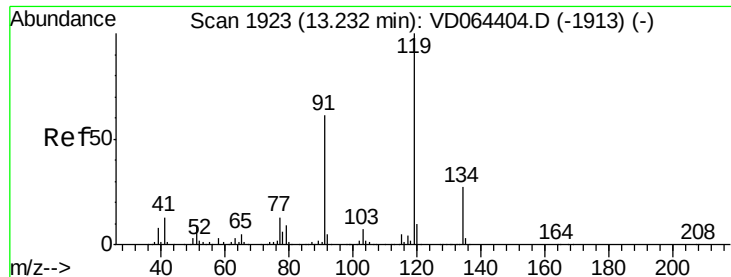
91 100

126 36.2 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

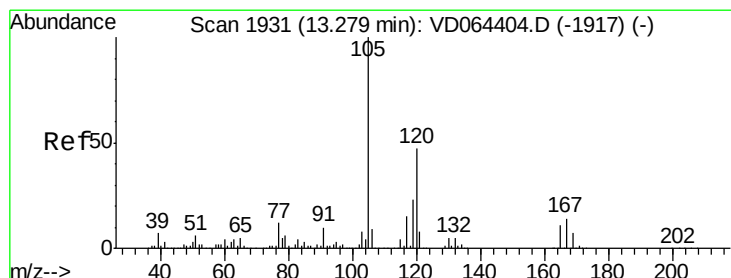
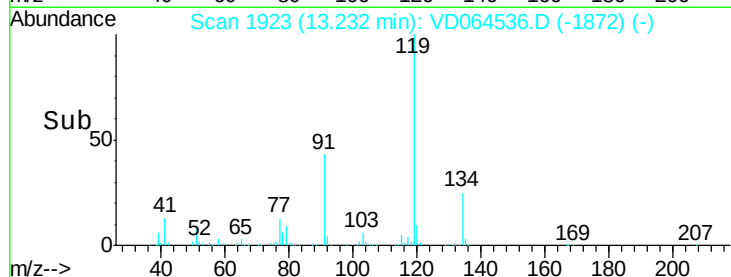
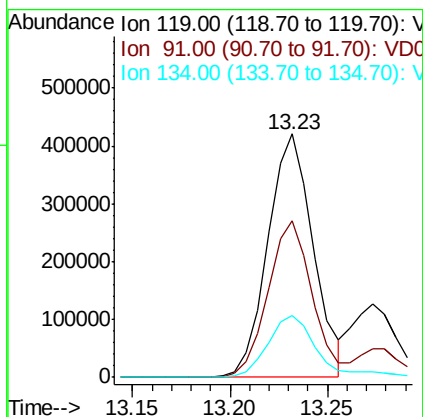
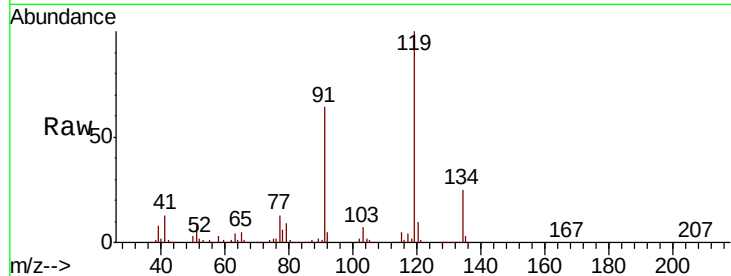




#83
 tert-Butylbenzene
 Concen: 52.170 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

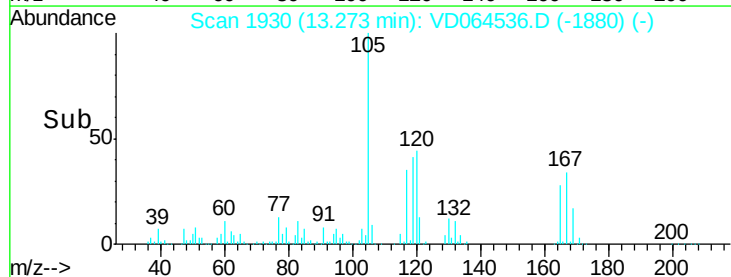
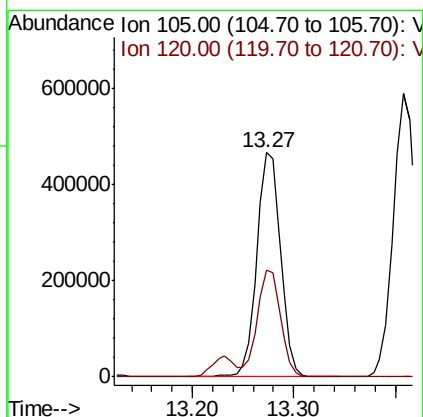
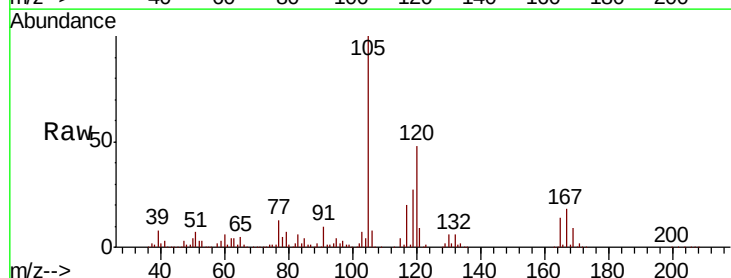
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

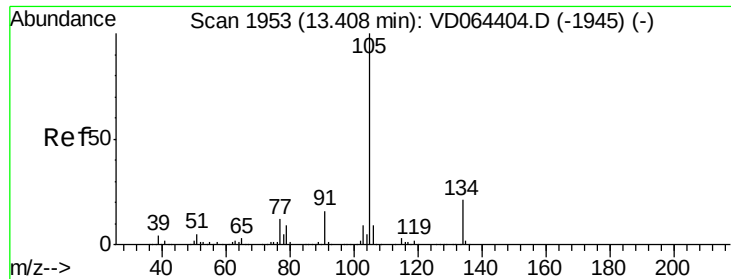
Tgt Ion:119 Resp: 677014
 Ion Ratio Lower Upper
 119 100
 91 63.2 31.2 93.6
 134 27.6 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 51.015 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

Tgt Ion:105 Resp: 765714
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.6 70.8





#85

sec-Butylbenzene

Concen: 51.948 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

Instrument :

MSVOA_D

ClientSampleId :

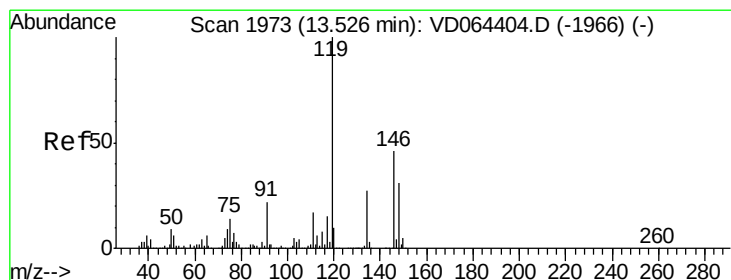
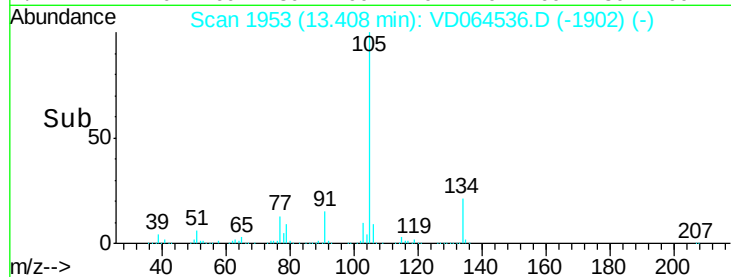
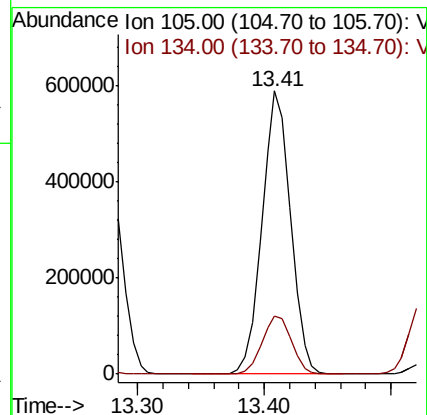
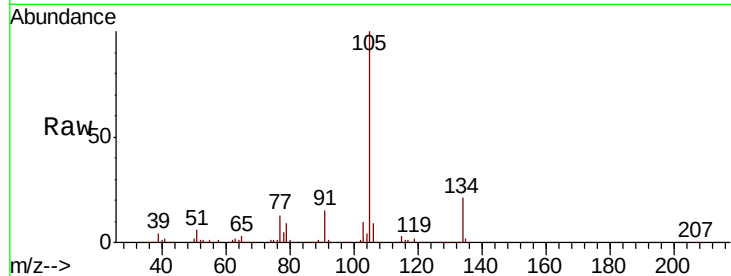
VSTDCCC050

Tgt Ion:105 Resp: 925242

Ion Ratio Lower Upper

105 100

134 21.2 10.5 31.5



#86

p-Isopropyltoluene

Concen: 51.979 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064536.D

Acq: 17 Dec 2019 10:36

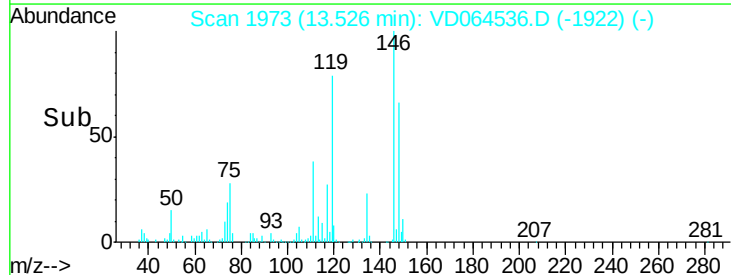
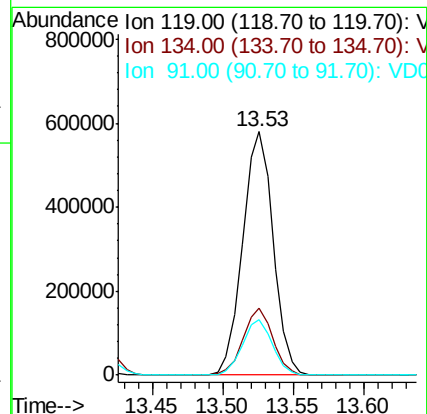
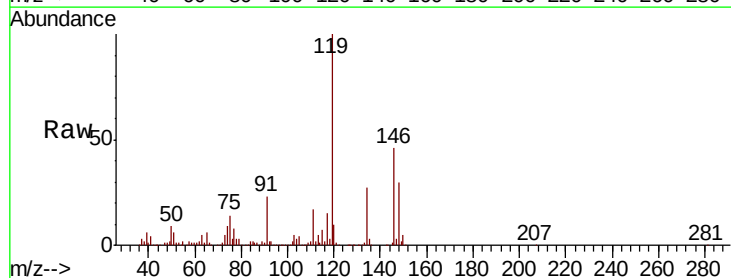
Tgt Ion:119 Resp: 874029

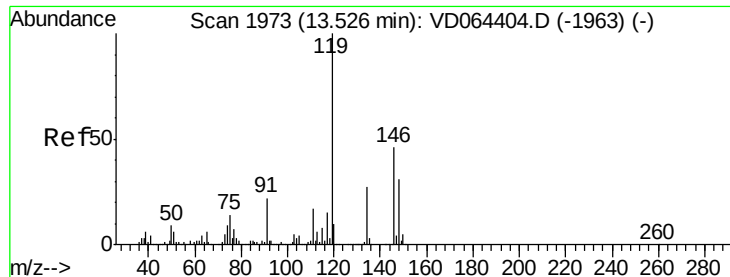
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 22.2 11.2 33.5

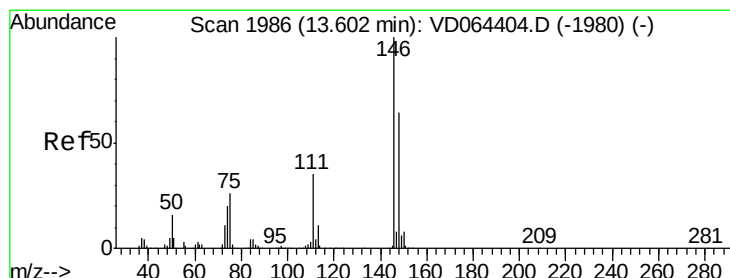
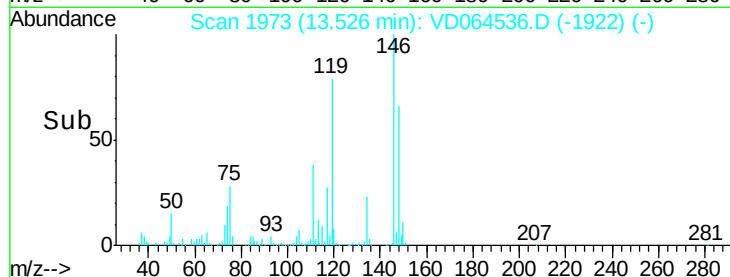
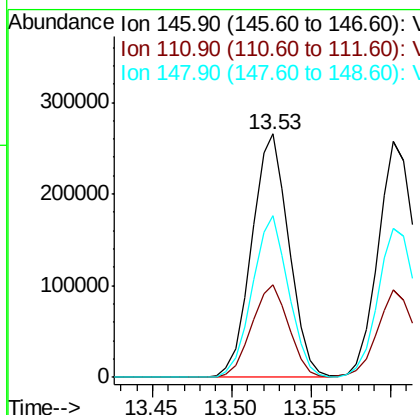
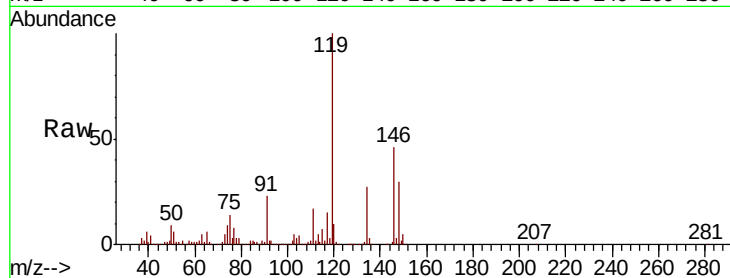




#87
 1,3-Dichlorobenzene
 Concen: 50.488 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

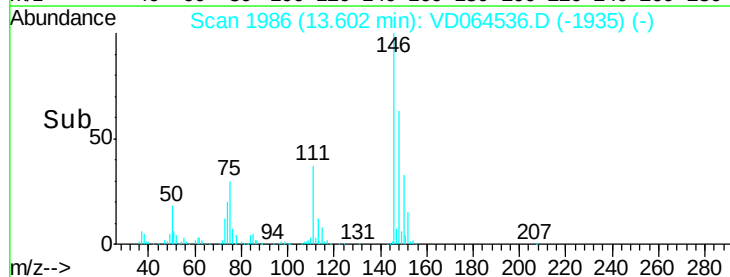
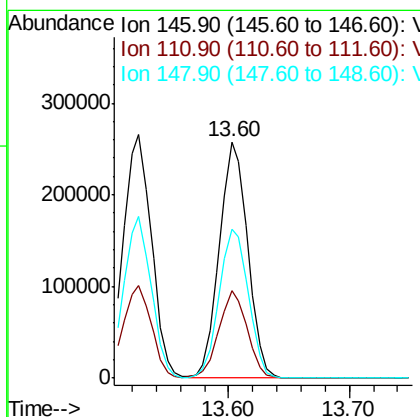
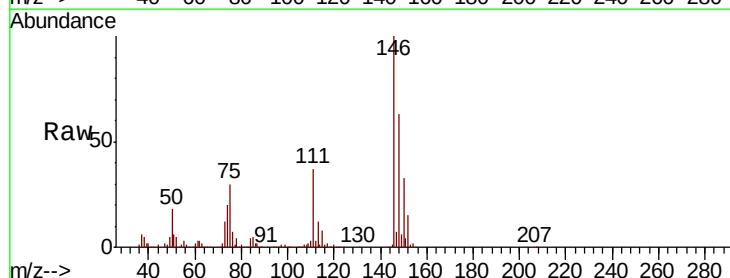
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

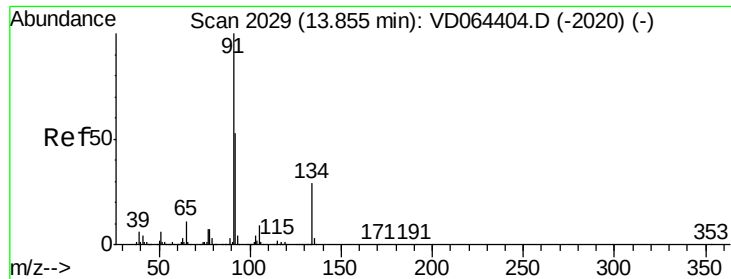
Tgt Ion:146 Resp: 432245
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.8 56.4
 148 64.9 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 49.531 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

Tgt Ion:146 Resp: 418658
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.2 54.6
 148 64.9 31.8 95.4

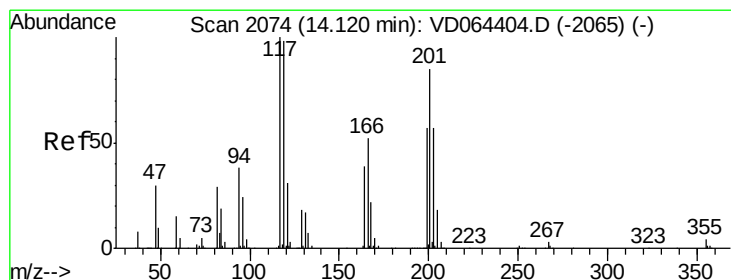
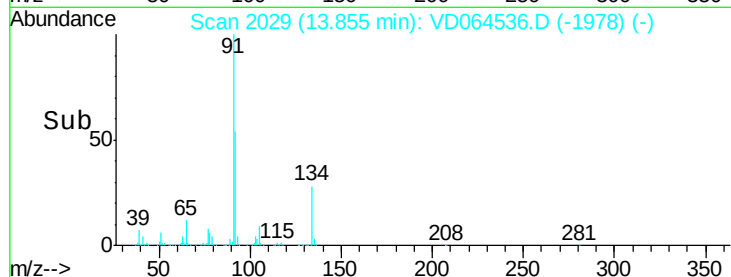
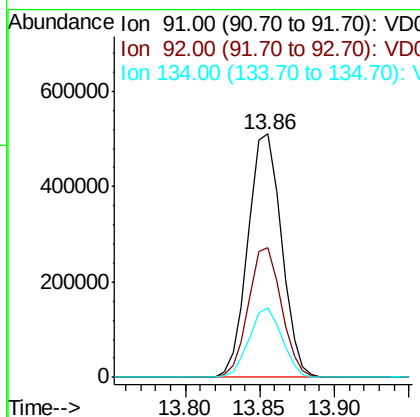
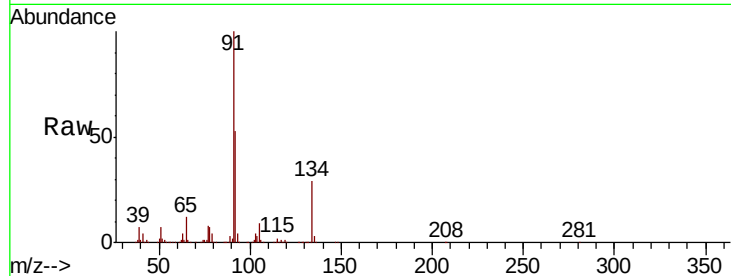




#89
n-Butylbenzene
Concen: 52.131 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

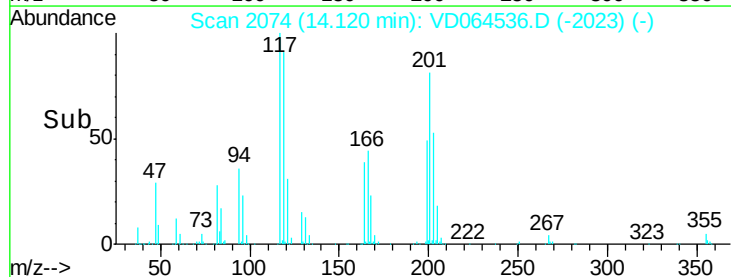
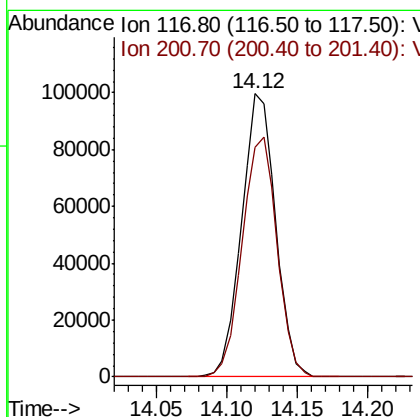
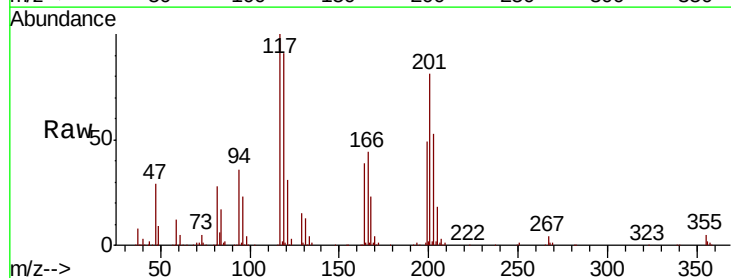
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

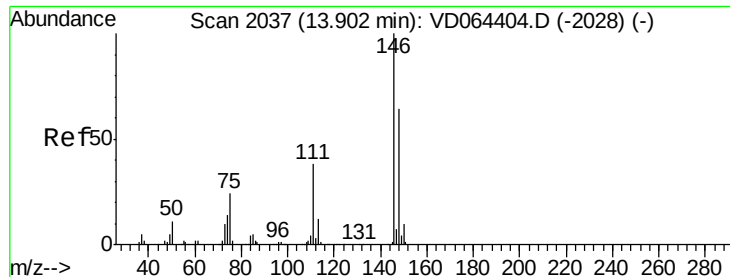
Tgt Ion: 91 Resp: 796051
Ion Ratio Lower Upper
91 100
92 52.5 26.5 79.4
134 28.0 13.9 41.7



#90
Hexachloroethane
Concen: 53.392 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion: 117 Resp: 167923
Ion Ratio Lower Upper
117 100
201 87.0 44.3 132.8

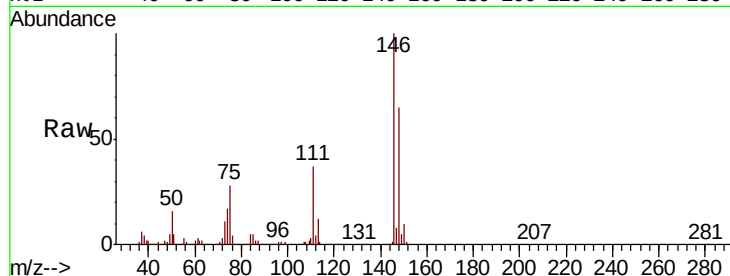




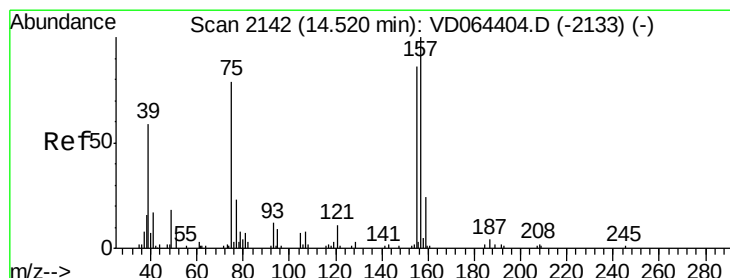
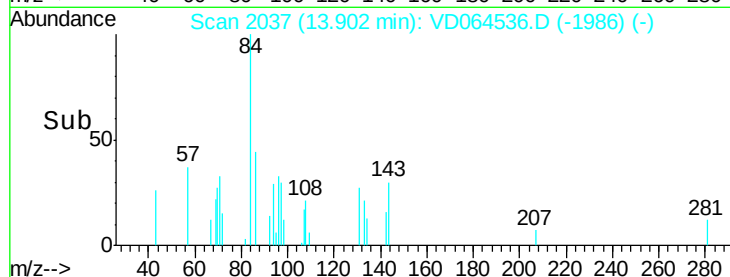
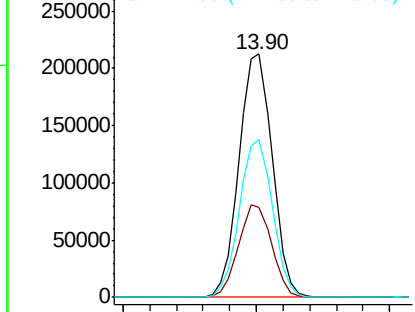
#91
 1,2-Dichlorobenzene
 Concen: 50.097 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 146 Resp: 366545
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.1 57.3
 148 64.6 32.0 96.0

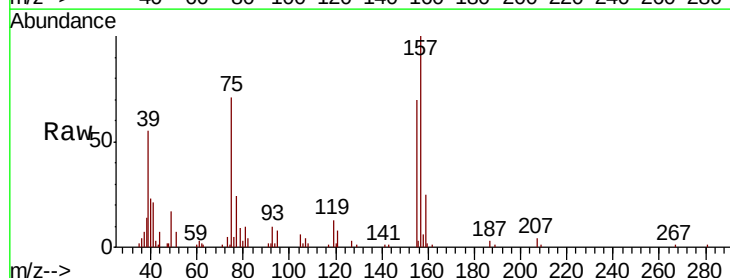


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

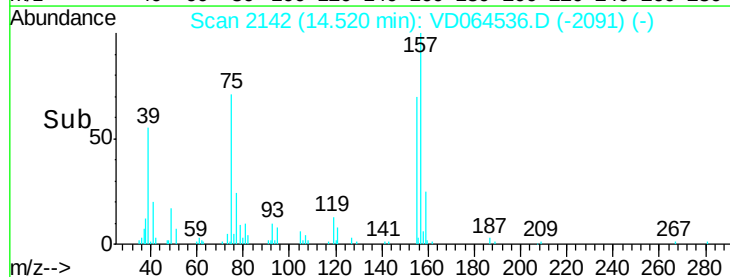
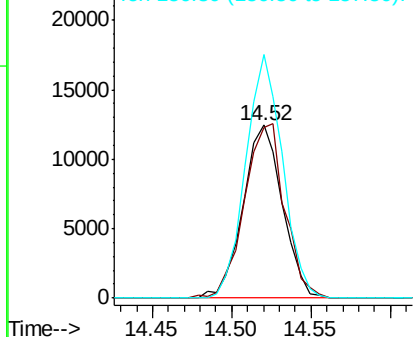


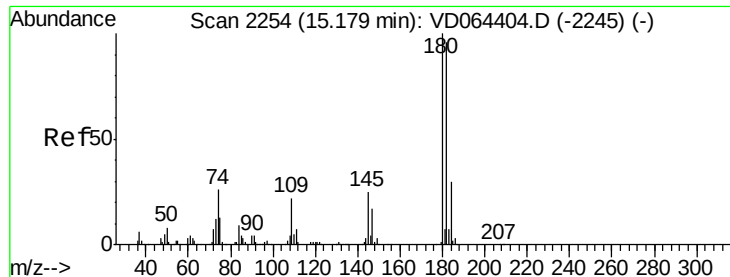
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.345 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

Tgt Ion: 75 Resp: 21474
 Ion Ratio Lower Upper
 75 100
 155 103.0 51.9 155.7
 157 132.2 63.2 189.8



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

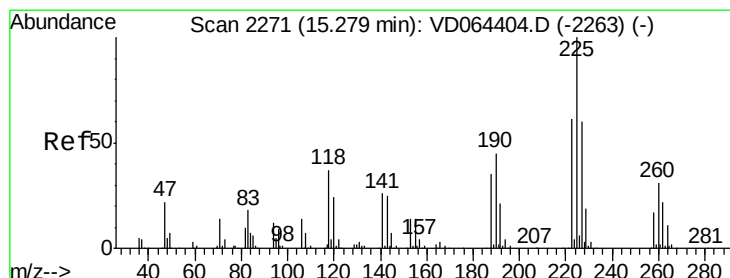
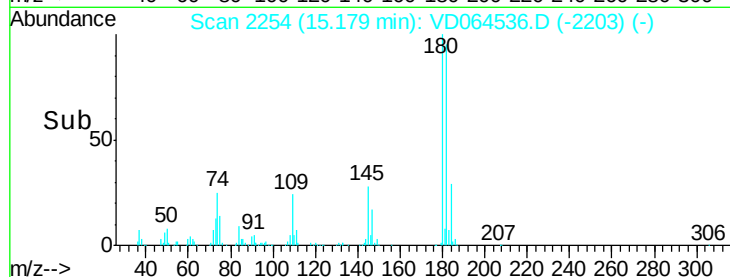
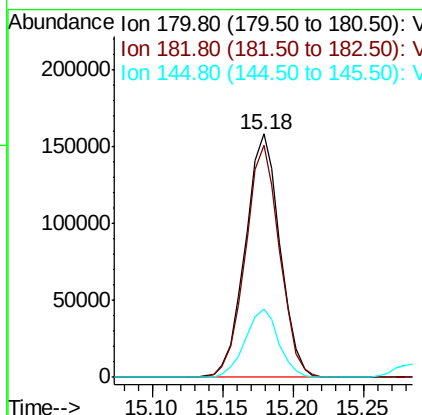
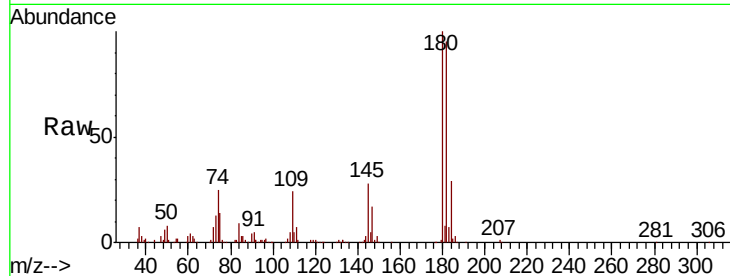




#93
 1,2,4-Trichlorobenzene
 Concen: 48.534 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

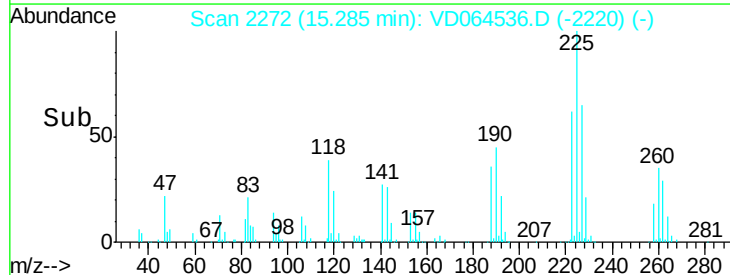
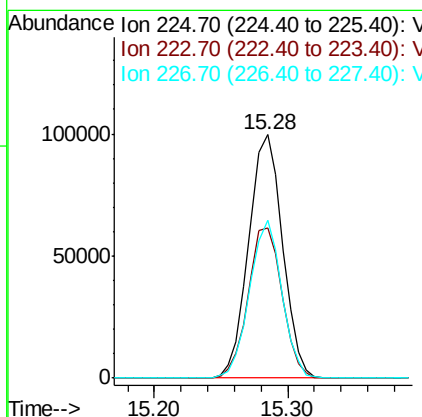
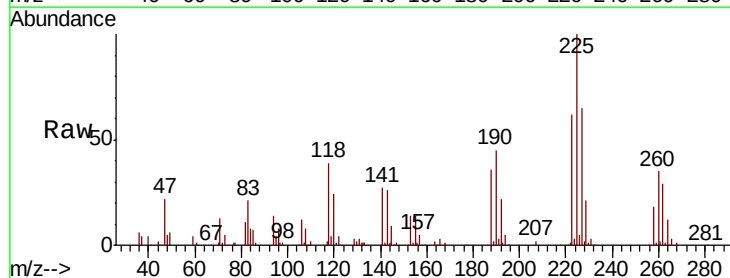
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

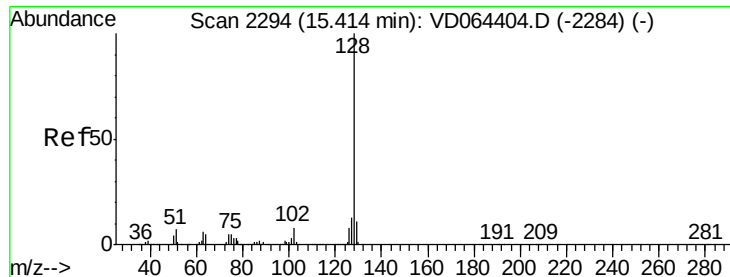
Tgt Ion:180 Resp: 271957
 Ion Ratio Lower Upper
 180 100
 182 93.9 47.4 142.3
 145 27.2 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 50.541 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064536.D
 Acq: 17 Dec 2019 10:36

Tgt Ion:225 Resp: 174833
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.1 93.3
 227 61.6 31.8 95.4

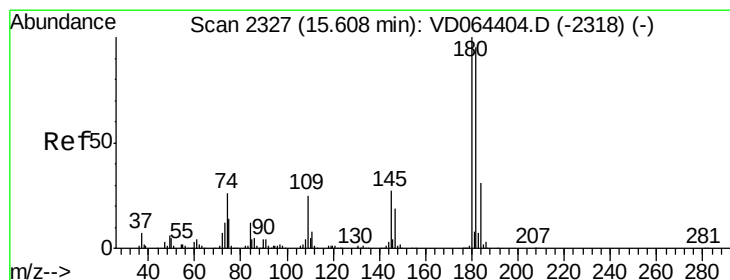
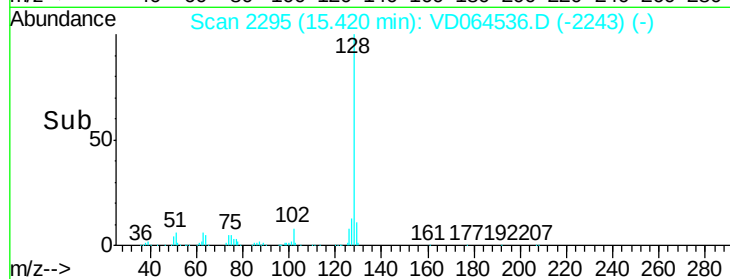
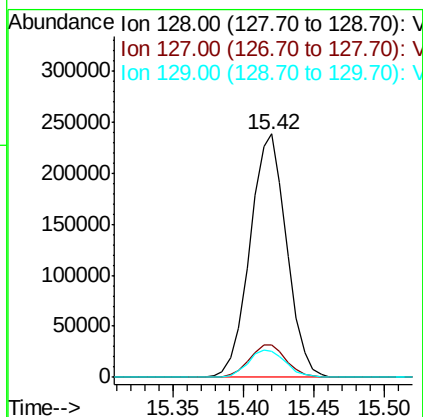
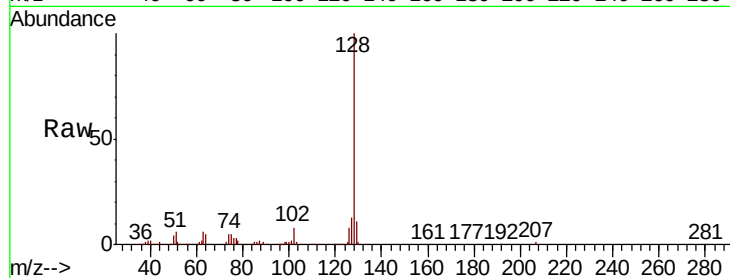




#95
Naphthalene
Concen: 46.359 ug/l
RT: 15.42 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 433528
Ion Ratio Lower Upper
128 100
127 13.6 10.5 15.7
129 11.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 47.755 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064536.D
Acq: 17 Dec 2019 10:36

Tgt Ion:180 Resp: 228419
Ion Ratio Lower Upper
180 100
182 95.1 47.6 142.9
145 30.3 14.6 43.8

