

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103119\
 Data File : VD064128.D
 Acq On : 31 Oct 2019 13:03
 Operator : VA/SY
 Sample : VD1031SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 01 06:03:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	219719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	328487	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	319151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	171758	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	88659	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
35) Dibromofluoromethane	7.91	113	100505	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
50) Toluene-d8	10.34	98	395171	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.64	95	133521	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	47961	21.377	ug/l	100
3) Chloromethane	2.21	50	80758	21.574	ug/l	91
4) Vinyl Chloride	2.35	62	85753	21.124	ug/l	100
5) Bromomethane	2.76	94	52582	19.876	ug/l	96
6) Chloroethane	2.92	64	52214	20.709	ug/l	94
7) Trichlorofluoromethane	3.27	101	115837	20.729	ug/l	97
8) Diethyl Ether	3.70	74	21041	21.662	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	42480	21.094	ug/l	97
10) Methyl Iodide	4.29	142	46010	18.441	ug/l #	75
11) Tert butyl alcohol	5.26	59	8828	91.814	ug/l	100
12) 1,1-Dichloroethene	4.06	96	40066	21.021	ug/l	96
13) Acrolein	3.93	56	9527	85.505	ug/l	98
14) Allyl chloride	4.71	41	46748	20.956	ug/l	99
15) Acrylonitrile	5.43	53	36543	101.847	ug/l	98
16) Acetone	4.16	43	31362	94.326	ug/l #	86
17) Carbon Disulfide	4.39	76	121293	20.709	ug/l	95
18) Methyl Acetate	4.73	43	16136	18.245	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	76148	19.689	ug/l #	88
20) Methylene Chloride	4.96	84	51533	21.977	ug/l	95
21) trans-1,2-Dichloroethene	5.46	96	44431	20.767	ug/l	84
22) Diisopropyl ether	6.36	45	95354	19.300	ug/l	91
23) Vinyl Acetate	6.30	43	268262	99.059	ug/l	99
24) 1,1-Dichloroethane	6.26	63	67981	20.377	ug/l	100
25) 2-Butanone	7.22	43	43585	94.823	ug/l	98
26) 2,2-Dichloropropane	7.21	77	62063	19.600	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	46440	19.398	ug/l	99
28) Bromochloromethane	7.56	49	19730	16.739	ug/l	97
29) Tetrahydrofuran	7.57	42	27816	103.691	ug/l	98
30) Chloroform	7.71	83	77692	20.351	ug/l	95
31) Cyclohexane	7.98	56	65397	20.120	ug/l #	82
32) 1,1,1-Trichloroethane	7.90	97	70641	19.878	ug/l	99
36) 1,1-Dichloropropene	8.11	75	61045	19.833	ug/l	98
37) Ethyl Acetate	7.30	43	20243	21.367	ug/l #	84
38) Carbon Tetrachloride	8.09	117	67296	20.039	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103119\
 Data File : VD064128.D
 Acq On : 31 Oct 2019 13:03
 Operator : VA/SY
 Sample : VD1031SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 01 06:03:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	72219	19.113	ug/l	96
40) Benzene	8.35	78	160167	19.082	ug/l	96
41) Methacrylonitrile	7.54	41	11106	20.313	ug/l	94
42) 1,2-Dichloroethane	8.43	62	45078	20.331	ug/l	97
43) Isopropyl Acetate	8.46	43	36047	18.827	ug/l #	87
44) Trichloroethene	9.11	130	52206	20.521	ug/l	92
45) 1,2-Dichloropropane	9.39	63	38035	19.553	ug/l #	87
46) Dibromomethane	9.48	93	22945	19.585	ug/l	97
47) Bromodichloromethane	9.67	83	59926	20.276	ug/l	88
48) Methyl methacrylate	9.46	41	19433	21.948	ug/l	93
49) 1,4-Dioxane	9.47	88	5759	429.445	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	100751	96.657	ug/l	100
52) Toluene	10.41	92	117715	20.012	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	53535	19.404	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	62358	19.212	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	31441	18.929	ug/l	94
56) Ethyl methacrylate	10.67	69	34636	19.139	ug/l	98
57) 1,3-Dichloropropane	10.95	76	53432	19.451	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	73556	101.080	ug/l	93
59) 2-Hexanone	10.99	43	70495	92.179	ug/l	98
60) Dibromochloromethane	11.14	129	41063	18.214	ug/l	88
61) 1,2-Dibromoethane	11.25	107	32269	19.424	ug/l	99
64) Tetrachloroethene	10.87	164	46540	20.298	ug/l	98
65) Chlorobenzene	11.67	112	128794	19.531	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.75	131	47829	19.384	ug/l	99
67) Ethyl Benzene	11.75	91	227398	19.387	ug/l	98
68) m/p-Xylenes	11.86	106	185375	39.293	ug/l	98
69) o-Xylene	12.18	106	82779	19.226	ug/l	100
70) Styrene	12.20	104	143187	19.282	ug/l	97
71) Bromoform	12.37	173	25111	19.055	ug/l #	99
73) Isopropylbenzene	12.48	105	225605	18.902	ug/l	96
74) N-amyl acetate	12.29	43	38085	19.207	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	35930	19.099	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	46182	40.015	ug/l #	100
77) Bromobenzene	12.76	156	56733	19.687	ug/l	98
78) n-propylbenzene	12.83	91	271973	19.445	ug/l	98
79) 2-Chlorotoluene	12.91	91	150262	20.041	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	195404	19.562	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	11366	20.113	ug/l	97
82) 4-Chlorotoluene	13.01	91	155269	19.381	ug/l	99
83) tert-Butylbenzene	13.23	119	173783	19.370	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	195529	19.485	ug/l	99
85) sec-Butylbenzene	13.41	105	236602	19.203	ug/l	97
86) p-Isopropyltoluene	13.52	119	225660	19.493	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	114950	19.905	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	113122	19.871	ug/l	99
89) n-Butylbenzene	13.85	91	209288	19.601	ug/l	99
90) Hexachloroethane	14.11	117	40647	18.754	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	98749	19.869	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5913	21.521	ug/l	83

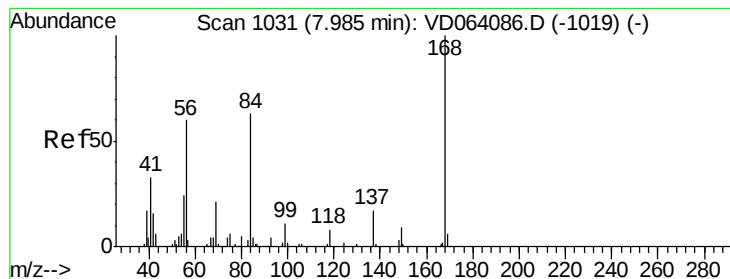
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103119\
Data File : VD064128.D
Acq On : 31 Oct 2019 13:03
Operator : VA/SY
Sample : VD1031SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Nov 01 06:03:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 08:00:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	73866	20.676	ug/l	98
94) Hexachlorobutadiene	15.27	225	44298	21.216	ug/l	96
95) Naphthalene	15.41	128	113932	19.555	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	62945	20.341	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

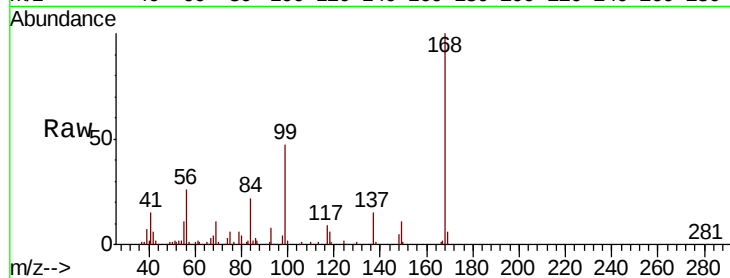
ClientSampleId :

Tot Ion:168 Resp: 219719

Ion Ratio Lower Upper

168 100

99 46.8 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

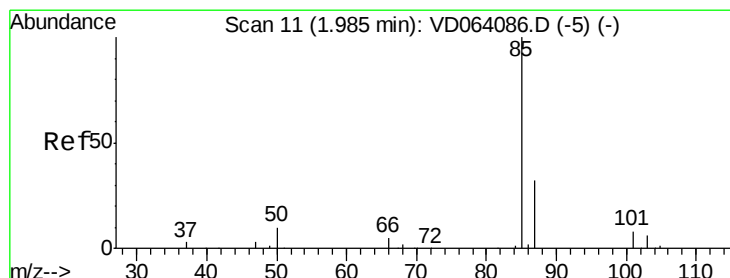
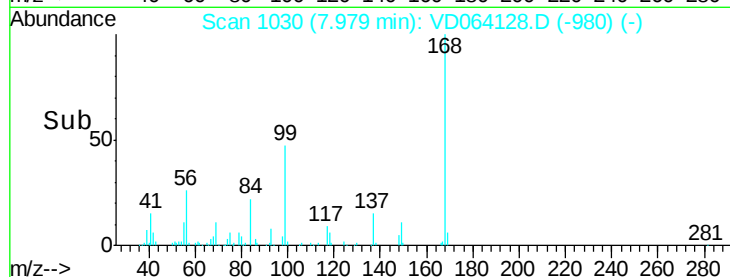
40000

20000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: 21.377 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064128.D

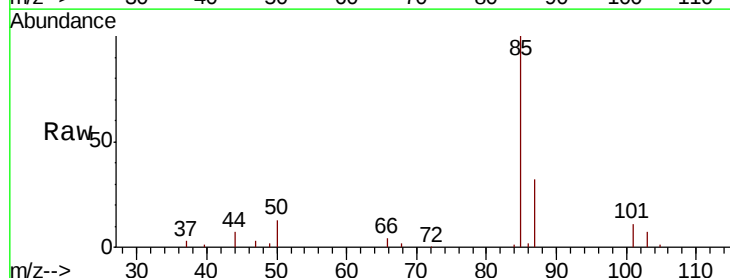
Acq: 31 Oct 2019 13:03

Tgt Ion: 85 Resp: 47961

Ion Ratio Lower Upper

85 100

87 31.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

30000

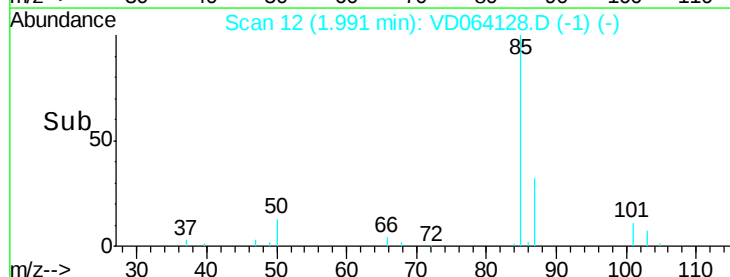
20000

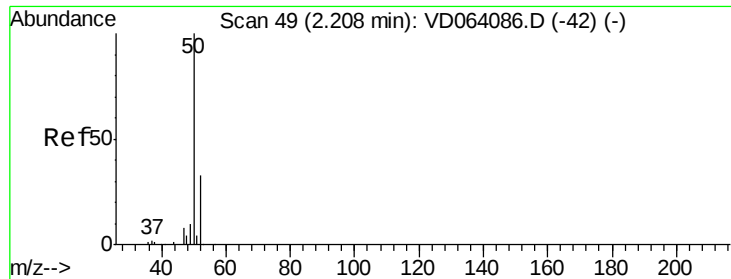
10000

0

Time-->

1.95 2.00 2.05





#3

Chloromethane

Concen: 21.574 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

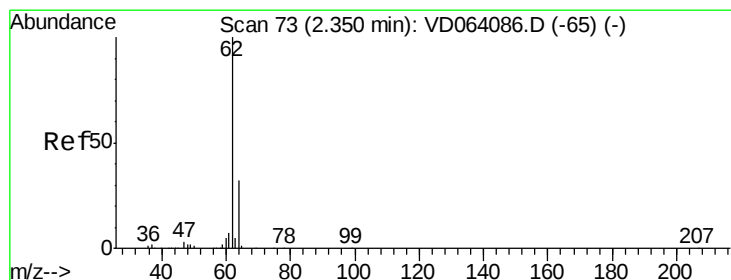
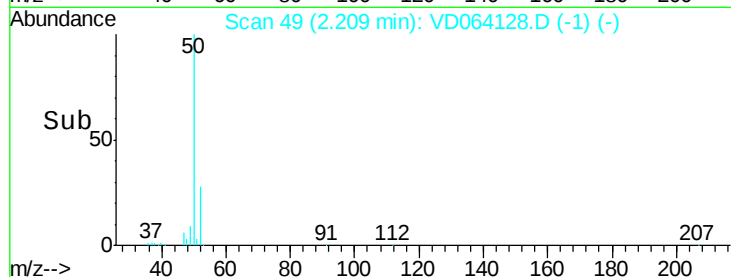
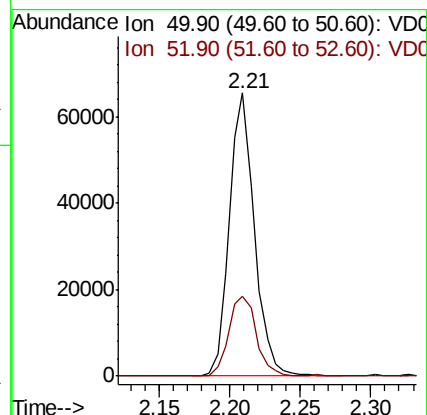
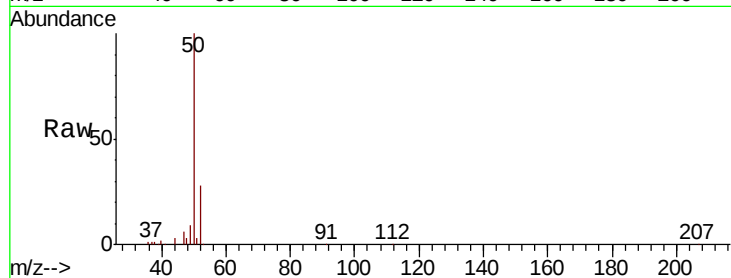
ClientSampleId :

Tot Ion: 50 Resp: 80758

Ion Ratio Lower Upper

50 100

52 28.2 26.5 39.7



#4

Vinyl Chloride

Concen: 21.124 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064128.D

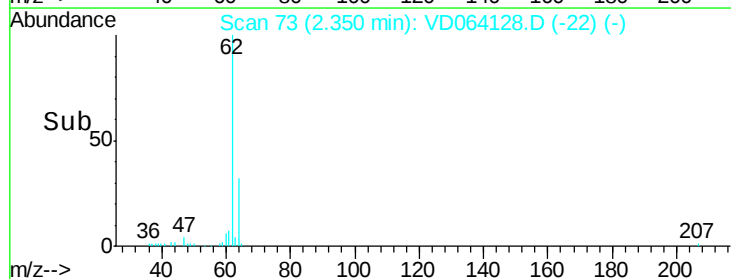
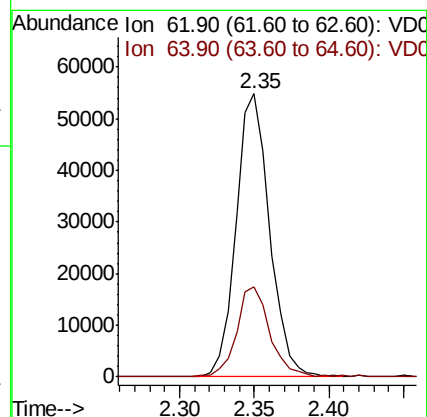
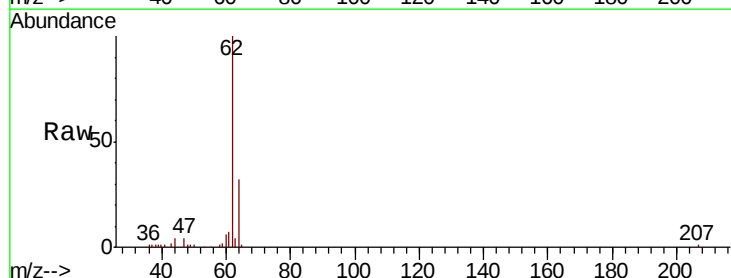
Acq: 31 Oct 2019 13:03

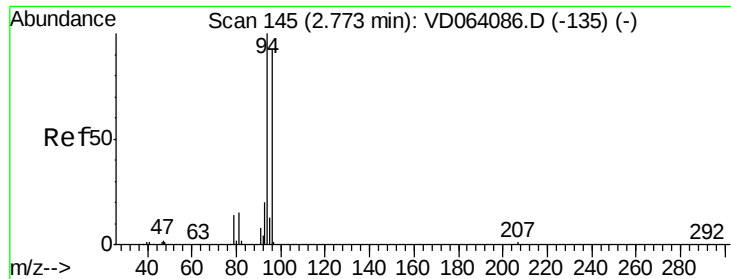
Tgt Ion: 62 Resp: 85753

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4





#5

Bromomethane

Concen: 19.876 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

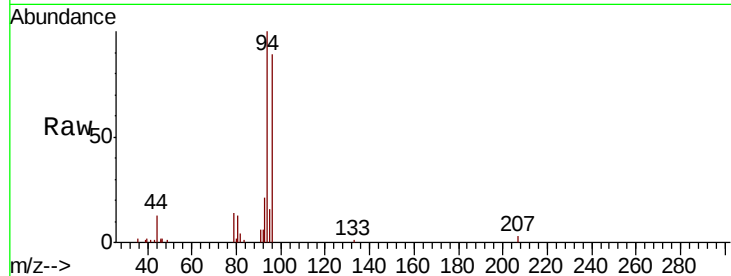
ClientSampled :

Tot Ion: 94 Resp: 52582

Ion Ratio Lower Upper

94 100

96 88.6 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

25000

20000

15000

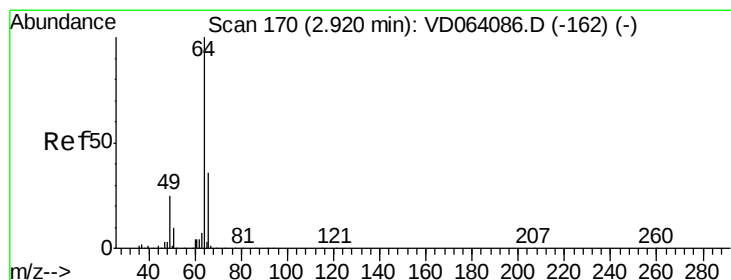
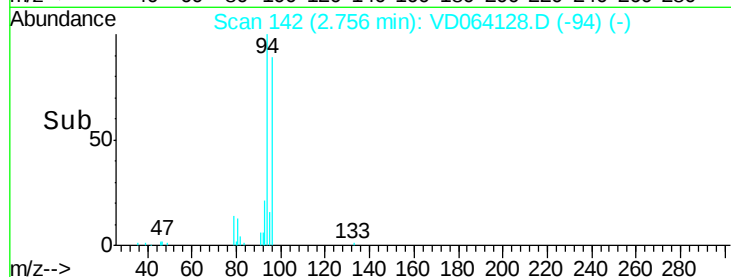
10000

5000

0

Time-->

2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 20.709 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064128.D

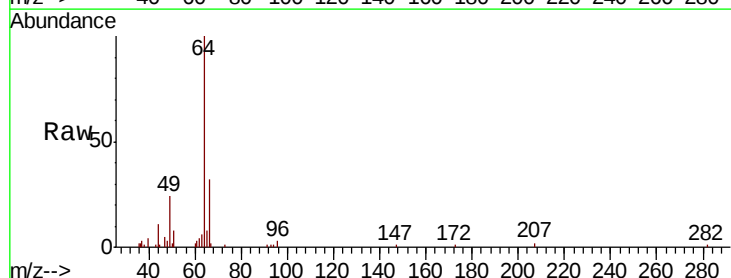
Acq: 31 Oct 2019 13:03

Tgt Ion: 64 Resp: 52214

Ion Ratio Lower Upper

64 100

66 32.5 28.7 43.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

30000

25000

20000

15000

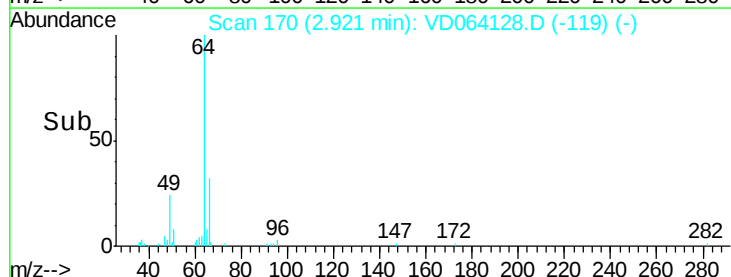
10000

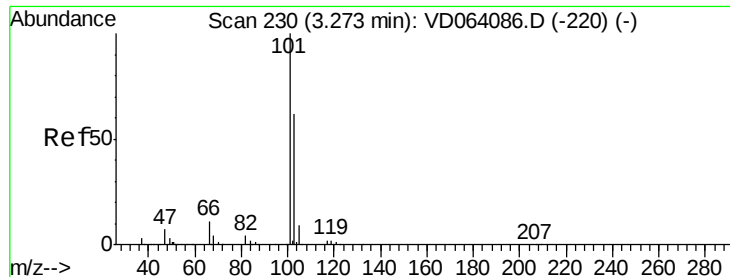
5000

0

Time-->

2.80 2.90 3.00



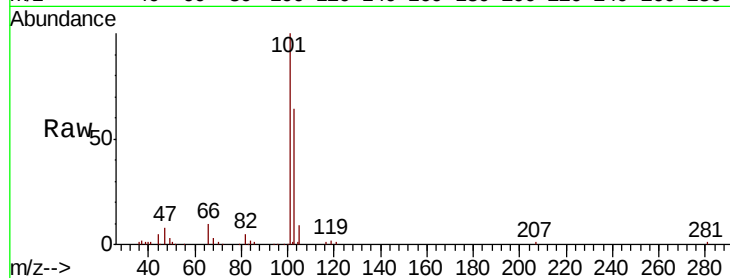


#7

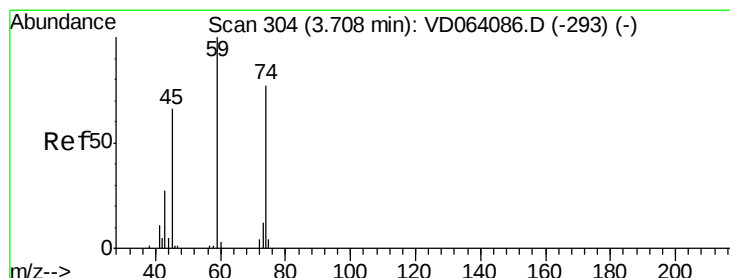
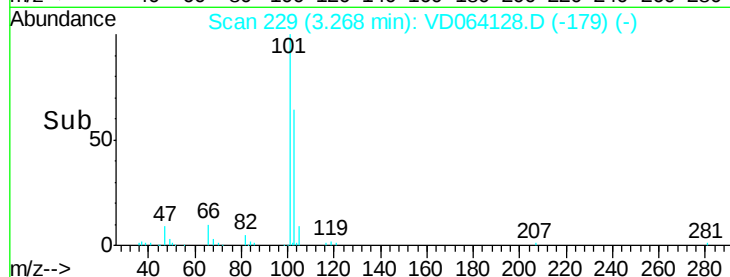
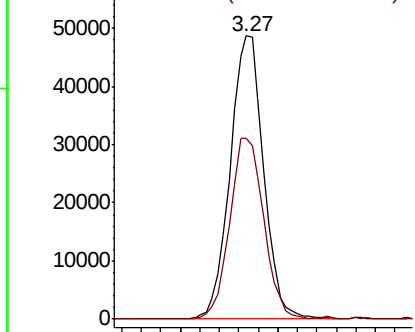
Trichlorofluoromethane
Concen: 20.729 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 115837
Ion Ratio Lower Upper
101 100
103 64.0 49.6 74.4



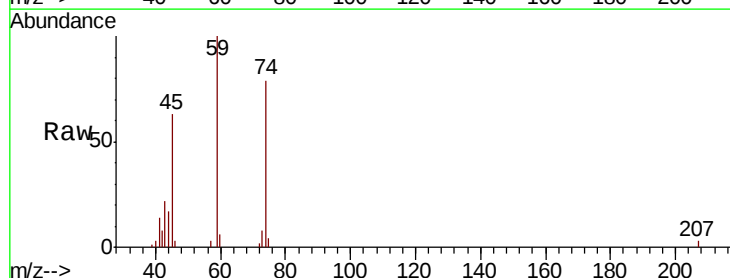
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



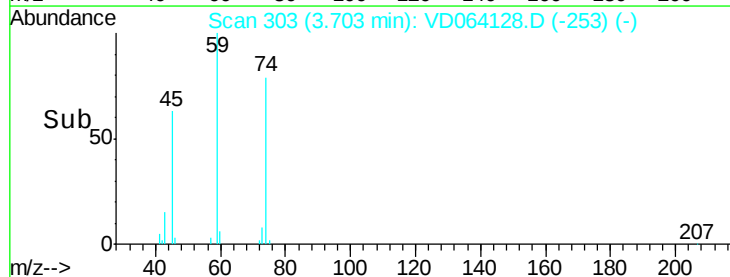
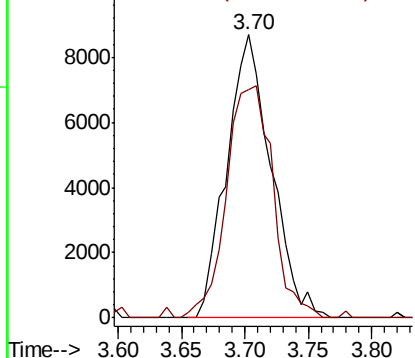
#8

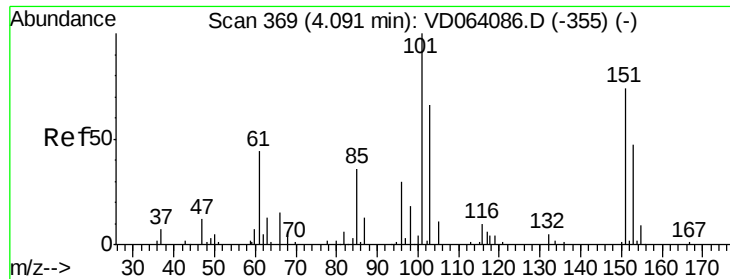
Diethyl Ether
Concen: 21.662 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion: 74 Resp: 21041
Ion Ratio Lower Upper
74 100
45 85.6 44.1 132.3



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.094 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

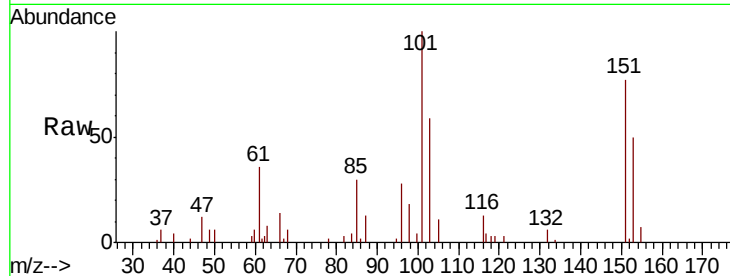
Tot Ion:101 Resp: 42480

Ion Ratio Lower Upper

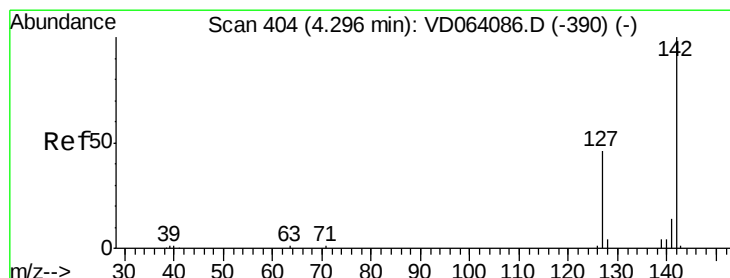
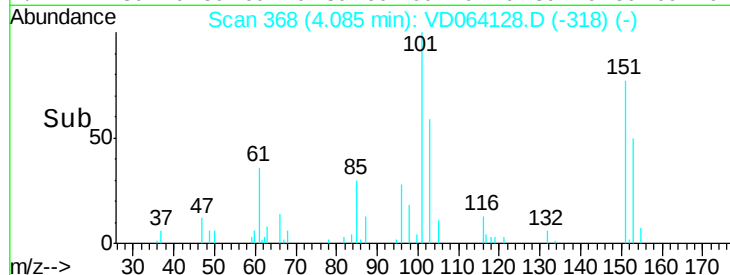
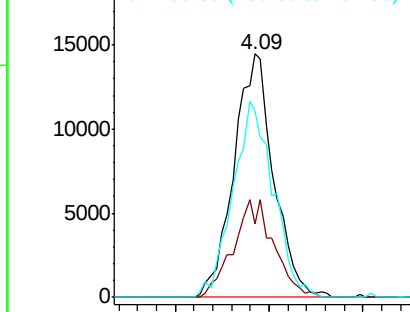
101 100

85 40.5 35.3 52.9

151 82.0 67.0 100.6



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



#10

Methyl Iodide

Concen: 18.441 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

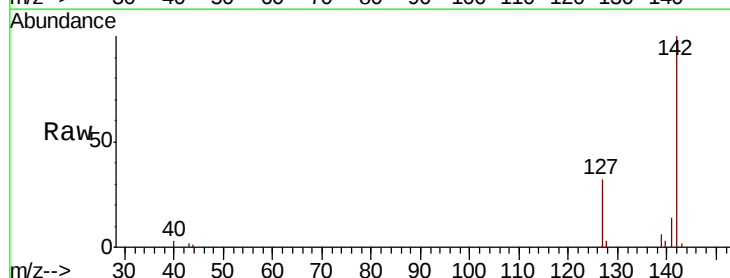
Tgt Ion:142 Resp: 46010

Ion Ratio Lower Upper

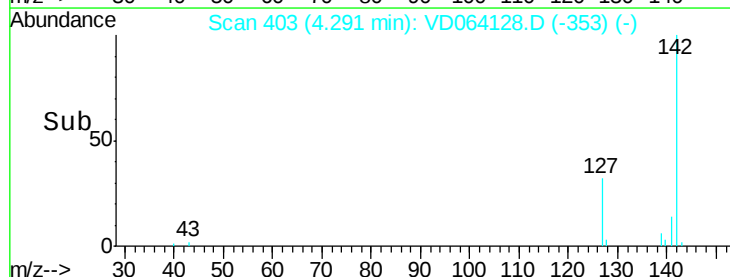
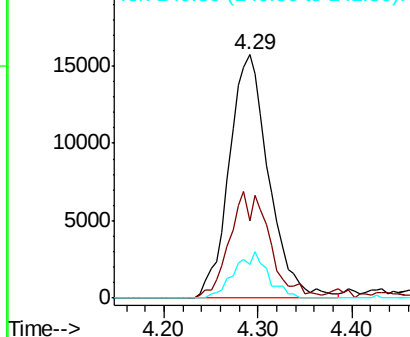
142 100

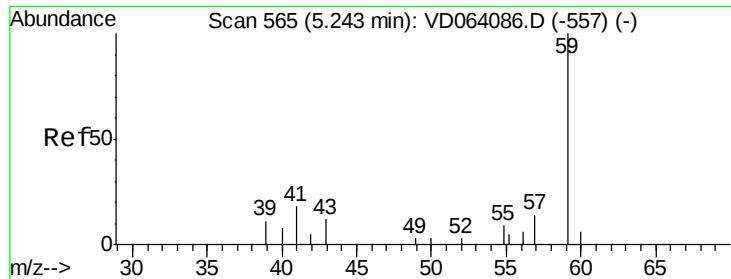
127 23.1 35.1 52.7#

141 15.9 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

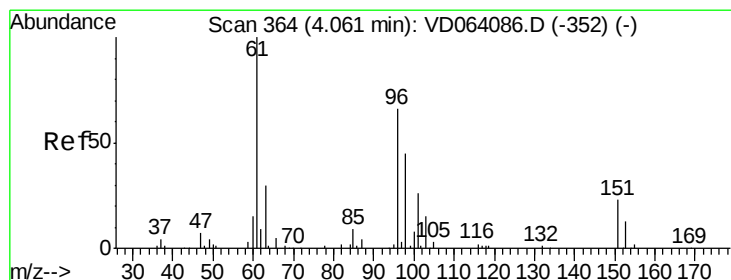
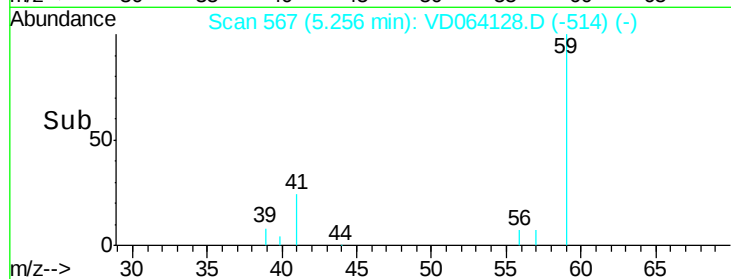
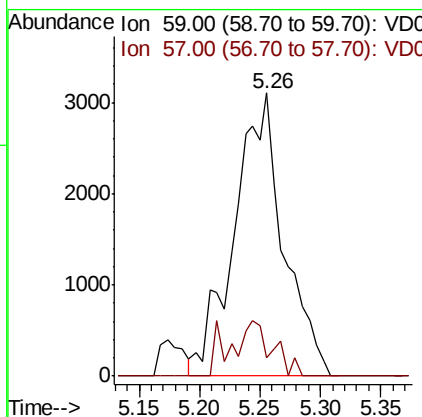
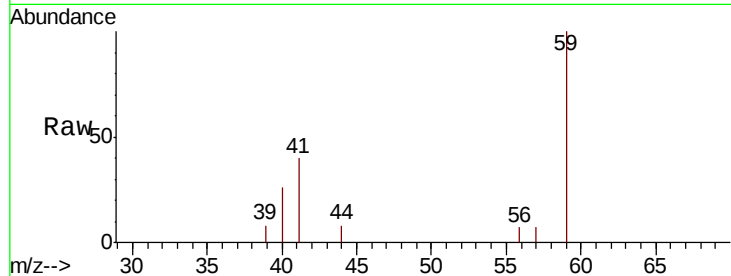




#11
Tert butyl alcohol
Concen: 91.814 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

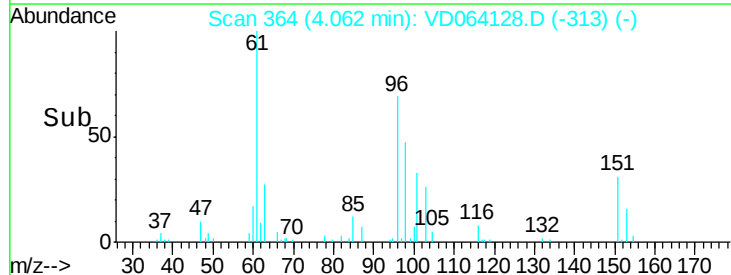
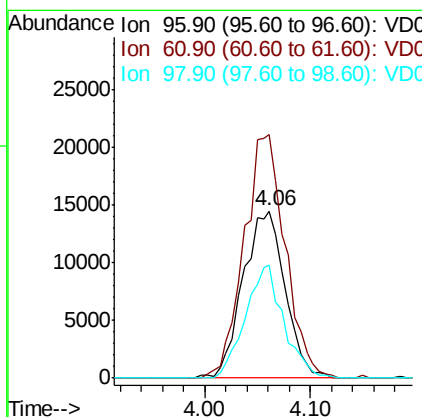
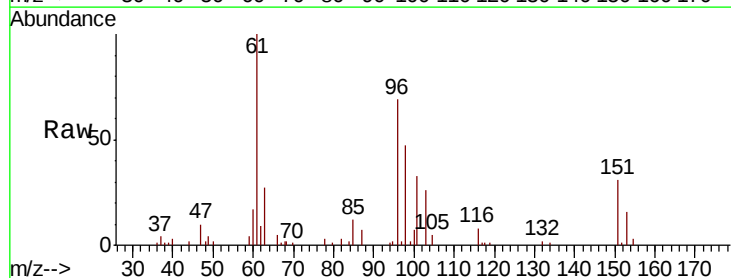
Instrument :
MSVOA_D
ClientSampleId :

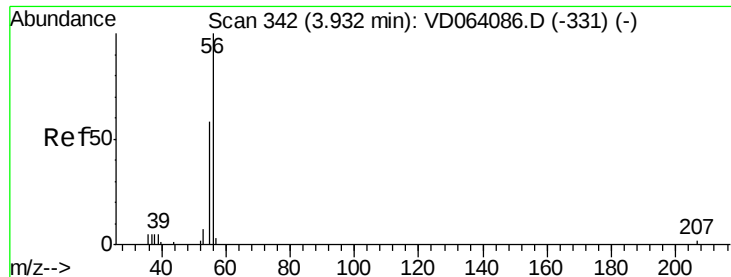
Tot Ion: 59 Resp: 8828
Ion Ratio Lower Upper
59 100
57 11.0 8.7 13.1



#12
1,1-Dichloroethene
Concen: 21.021 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion: 96 Resp: 40066
Ion Ratio Lower Upper
96 100
61 145.8 121.8 182.6
98 68.0 55.4 83.0





#13

Acrolein

Concen: 85.505 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

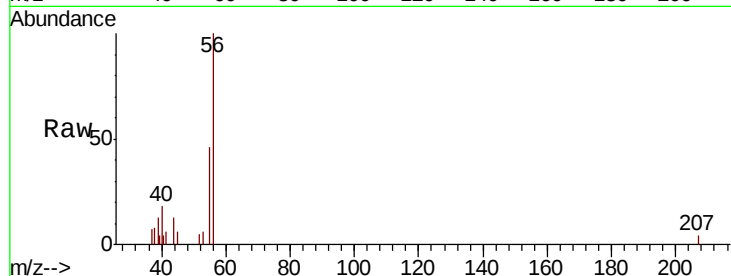
ClientSampleId :

Tot Ion: 56 Resp: 9527

Ion Ratio Lower Upper

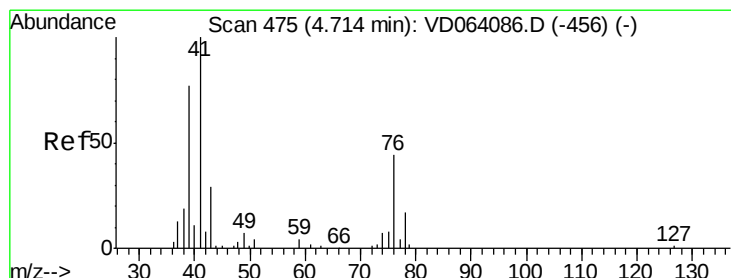
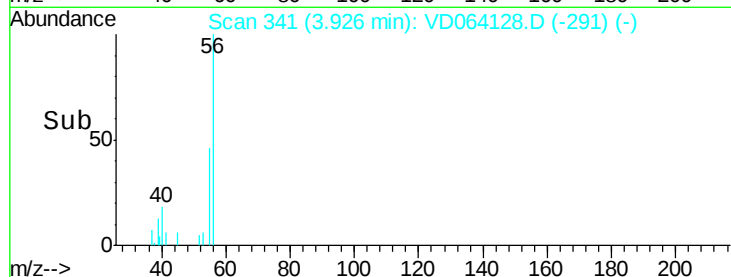
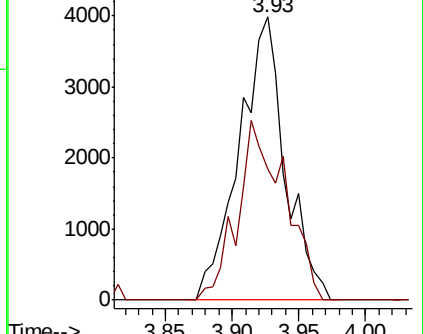
56 100

55 65.6 53.8 80.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.956 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

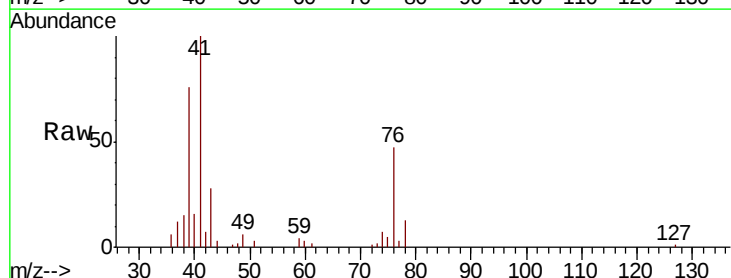
Tgt Ion: 41 Resp: 46748

Ion Ratio Lower Upper

41 100

39 76.5 61.5 92.3

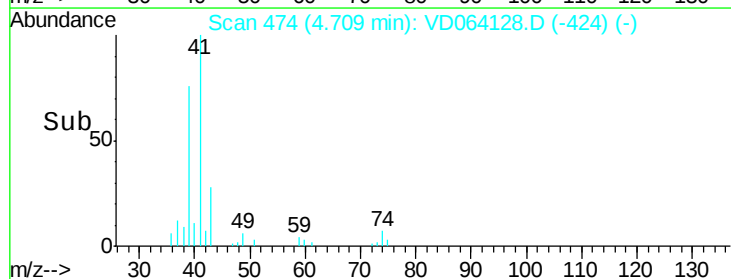
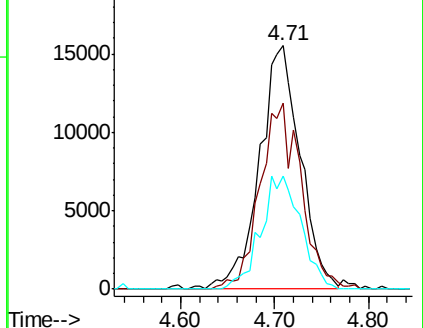
76 45.7 36.2 54.4

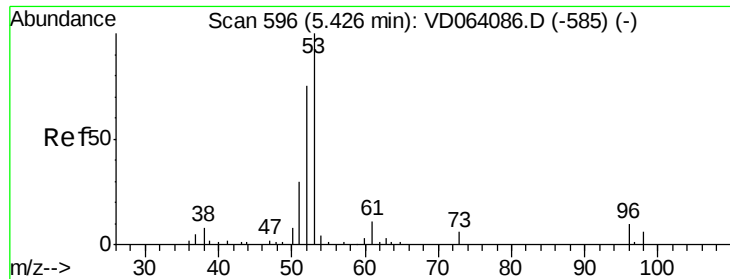


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 101.847 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

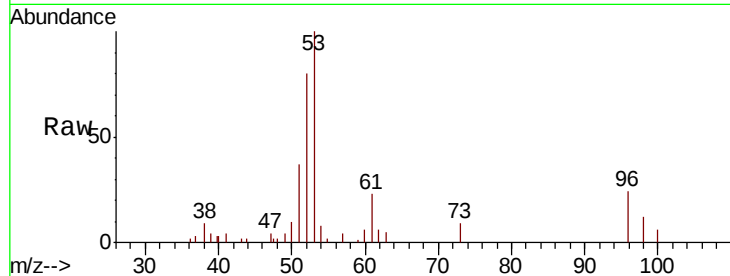
Tot Ion: 53 Resp: 36543

Ion Ratio Lower Upper

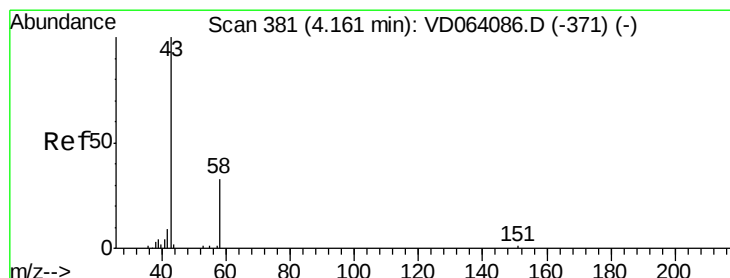
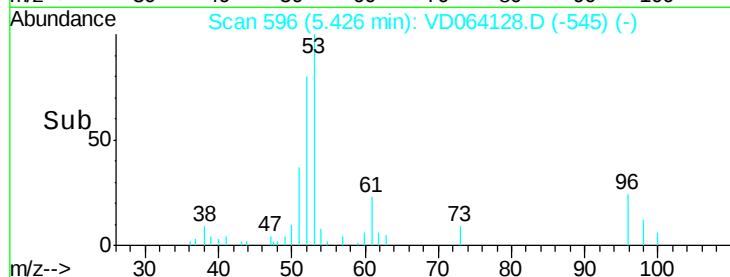
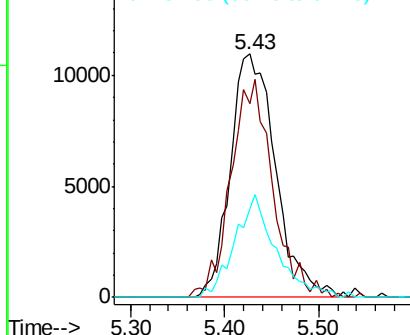
53 100

52 81.6 66.2 99.4

51 38.4 29.0 43.6



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: 94.326 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD064128.D

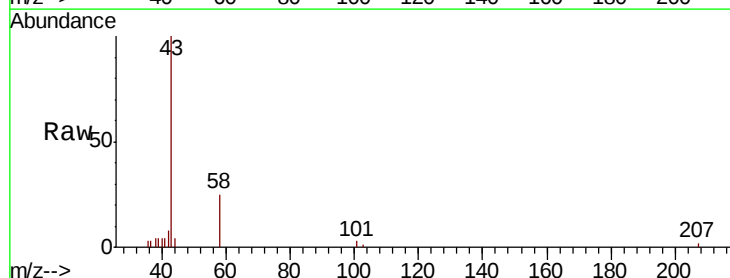
Acq: 31 Oct 2019 13:03

Tgt Ion: 43 Resp: 31362

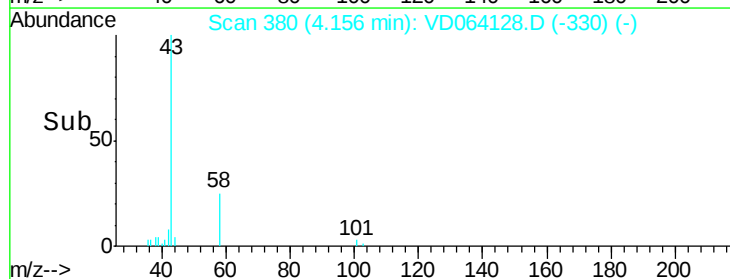
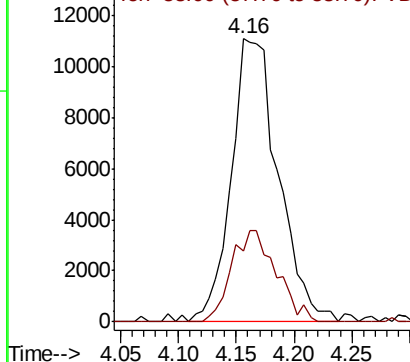
Ion Ratio Lower Upper

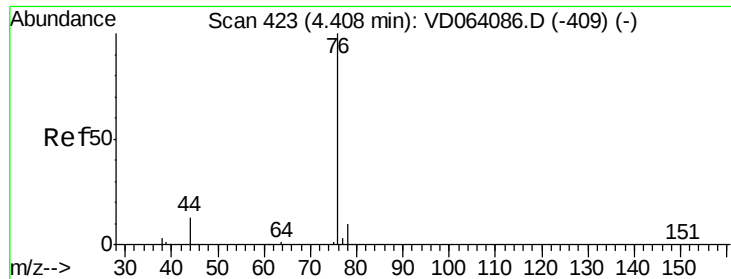
43 100

58 25.2 26.3 39.5#



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

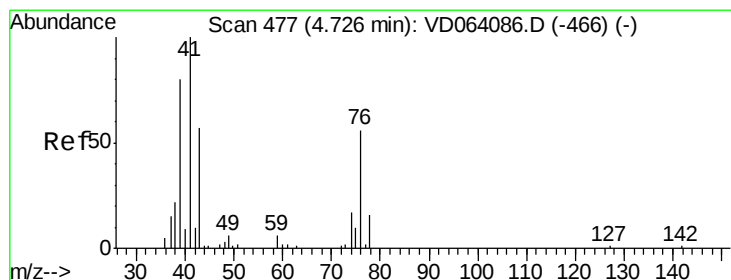
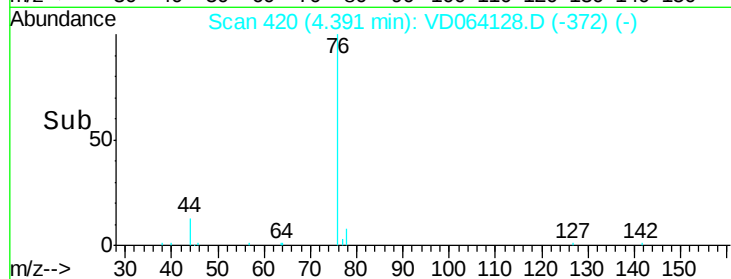
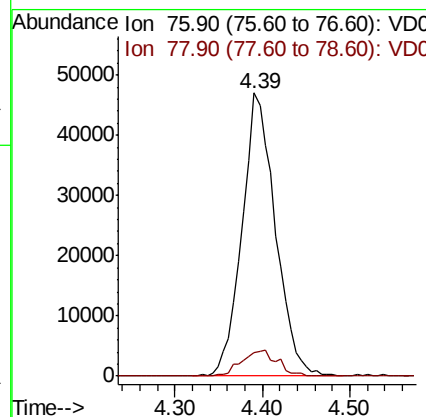
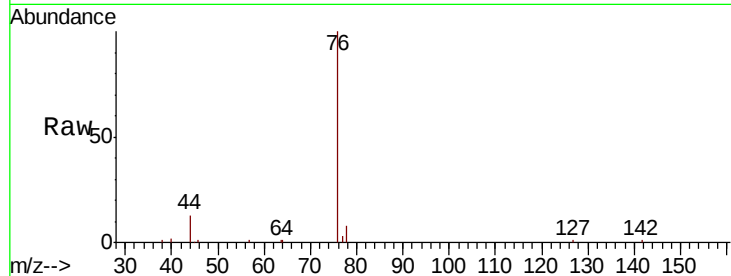




#17
Carbon Disulfide
Concen: 20.709 ug/l
RT: 4.39 min Scan# 420
Delta R.T. -0.02 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

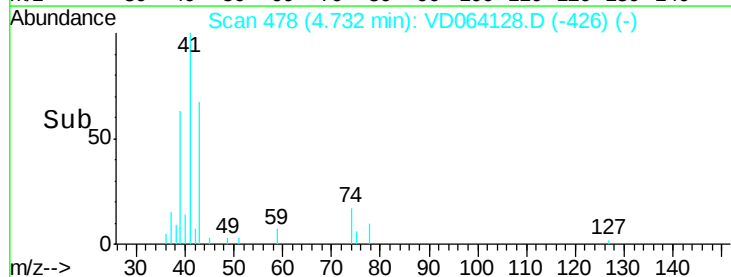
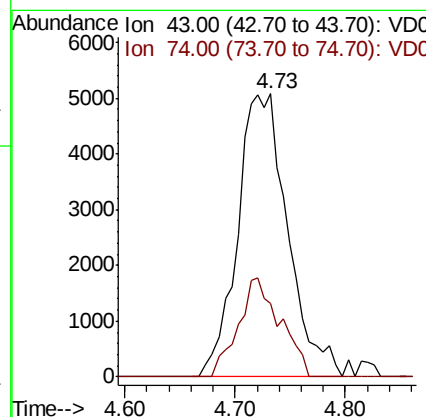
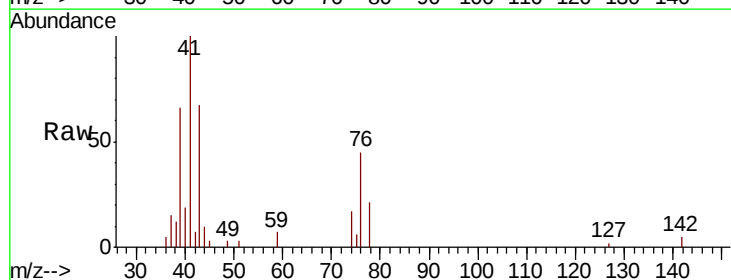
Instrument :
MSVOA_D
ClientSampled :

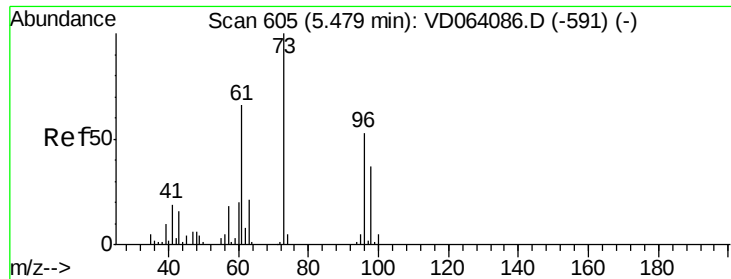
Tot Ion: 76 Resp: 121293
Ion Ratio Lower Upper
76 100
78 8.3 8.1 12.1



#18
Methyl Acetate
Concen: 18.245 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion: 43 Resp: 16136
Ion Ratio Lower Upper
43 100
74 29.4 22.2 33.4

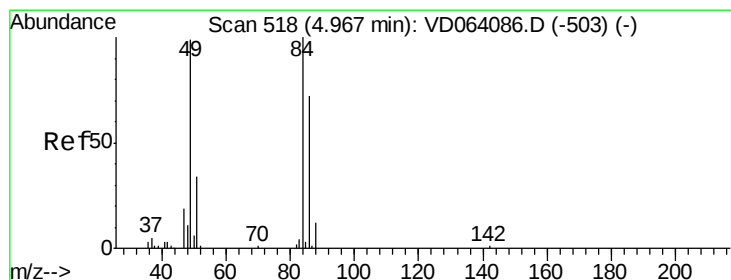
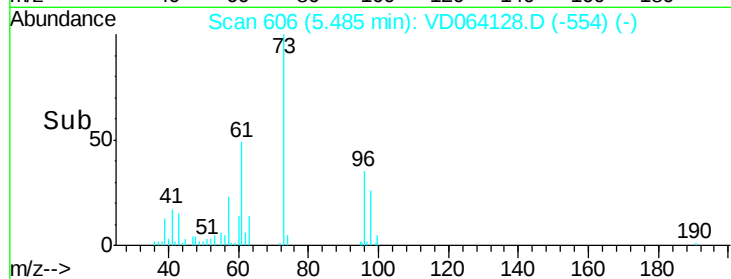
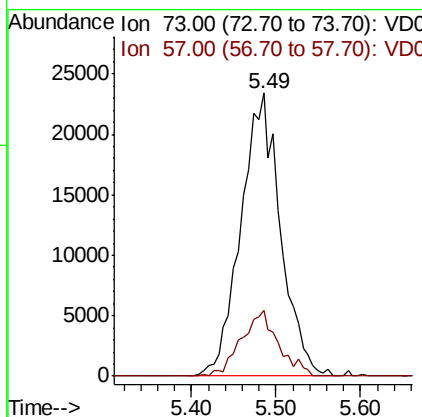
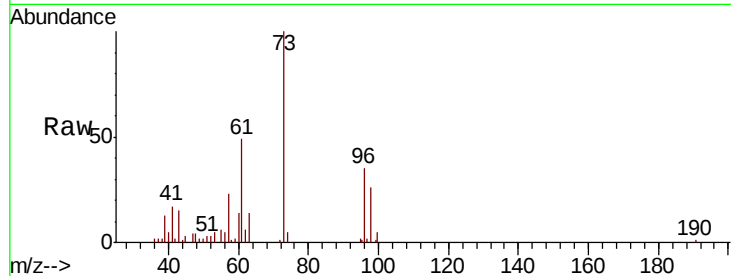




#19
Methvl tert-butvl Ether
Concen: 19.689 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

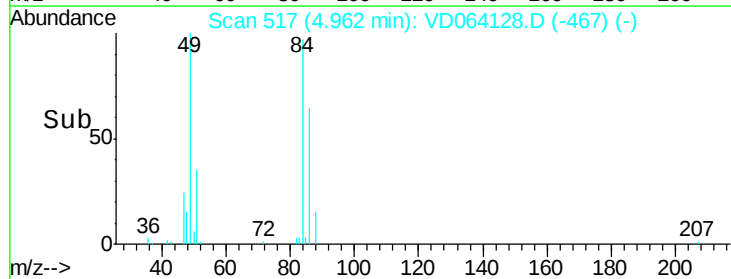
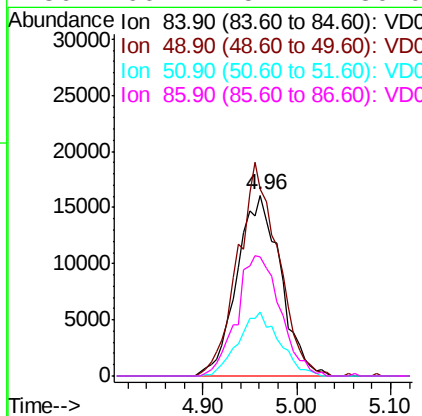
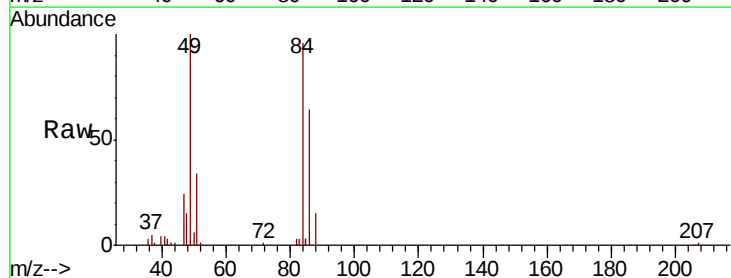
Instrument :
MSVOA_D
ClientSampleId :

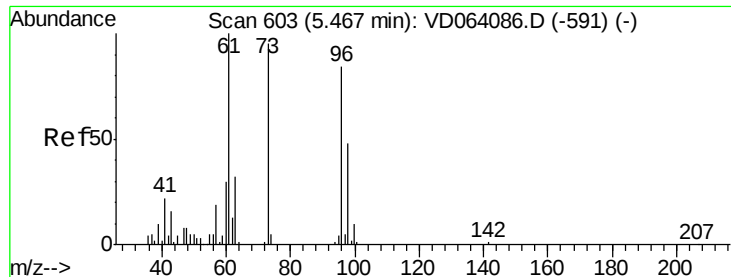
Tot Ion: 73 Resp: 76148
Ion Ratio Lower Upper
73 100
57 23.1 14.3 21.5#



#20
Methylene Chloride
Concen: 21.977 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion: 84 Resp: 51533
Ion Ratio Lower Upper
84 100
49 103.7 79.4 119.0
51 35.7 27.4 41.2
86 66.2 57.4 86.0





#21

trans-1,2-Dichloroethene

Concen: 20.767 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

ClientSampled :

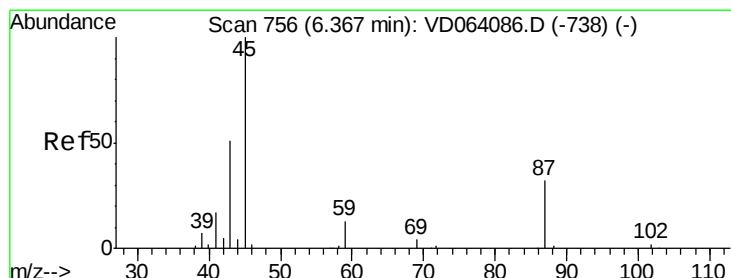
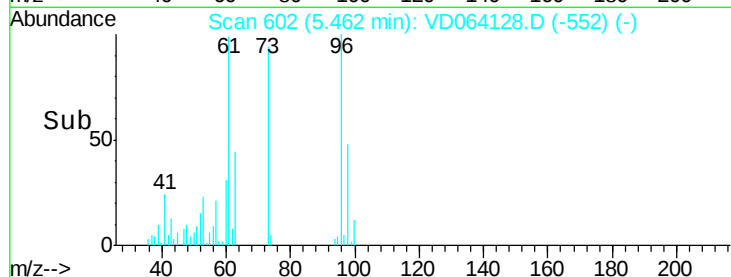
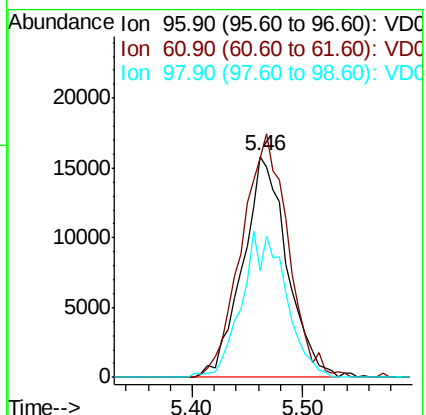
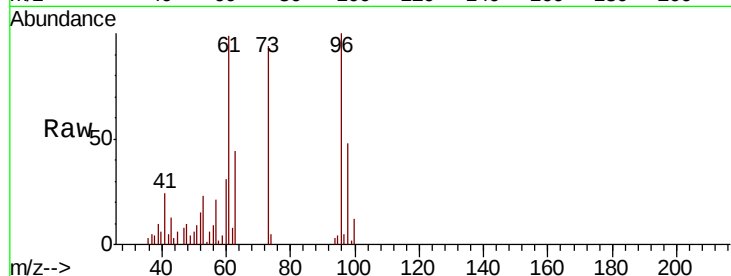
Tot Ion: 96 Resp: 44431

Ion Ratio Lower Upper

96 100

61 99.3 95.0 142.6

98 48.3 45.8 68.8



#22

Diisopropyl ether

Concen: 19.300 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Tgt Ion: 45 Resp: 95354

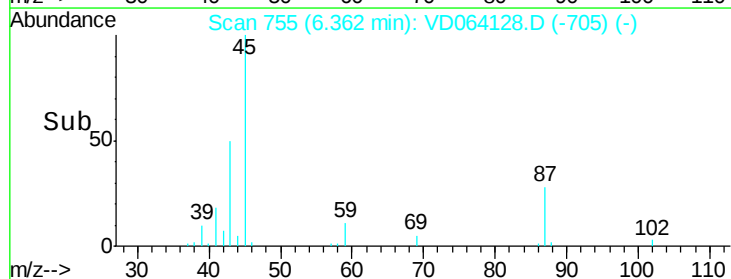
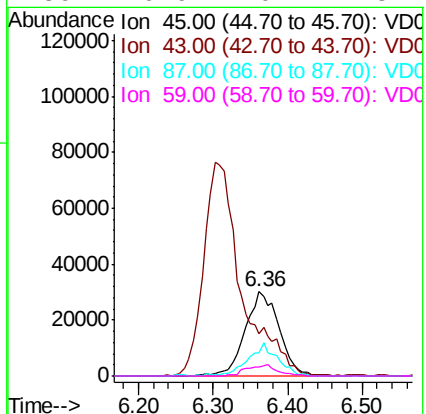
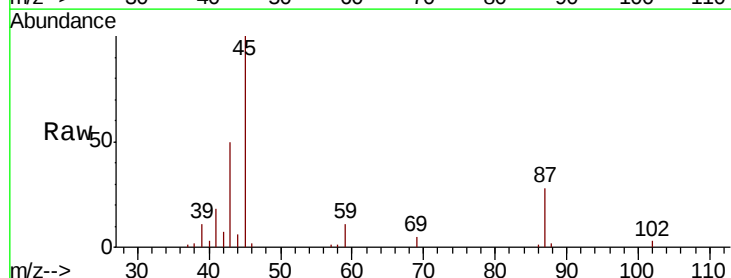
Ion Ratio Lower Upper

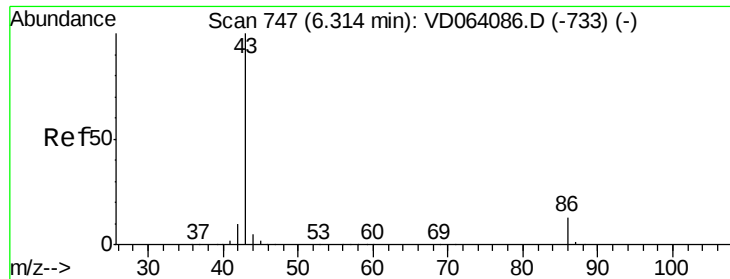
45 100

43 48.7 44.3 66.5

87 27.8 26.6 39.8

59 10.9 10.2 15.2





#23

Vinyl Acetate

Concen: 99.059 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

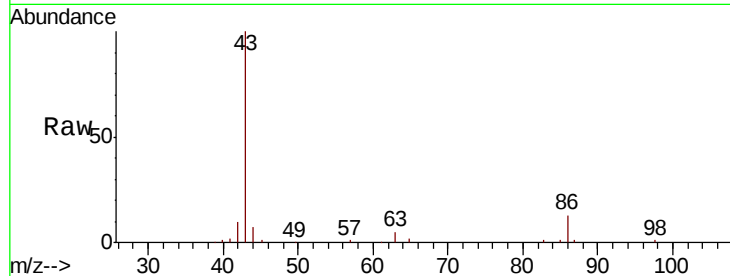
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 268262

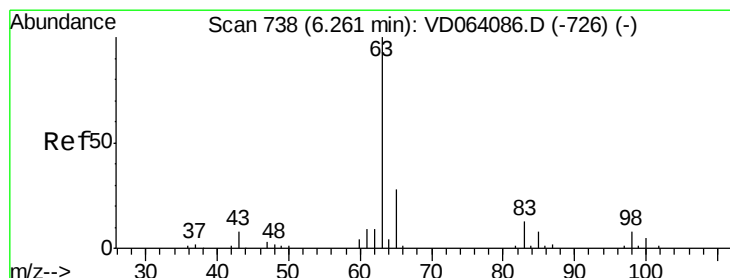
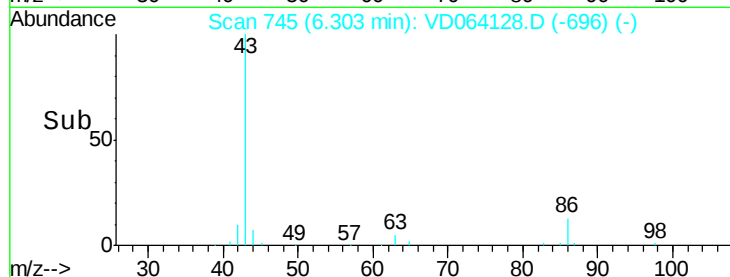
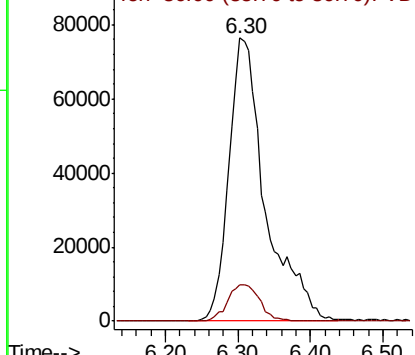
Ion Ratio Lower Upper

43 100

86 12.9 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.377 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

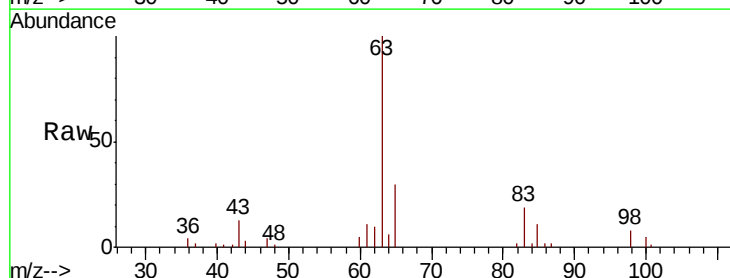
Tgt Ion: 63 Resp: 67981

Ion Ratio Lower Upper

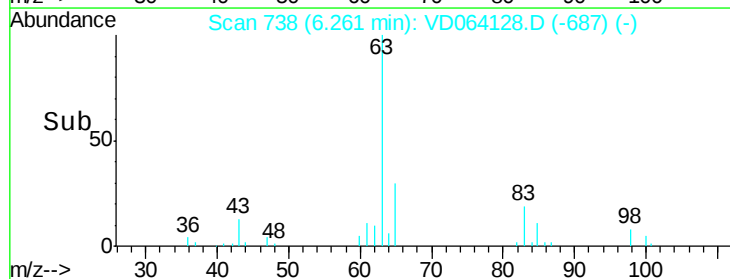
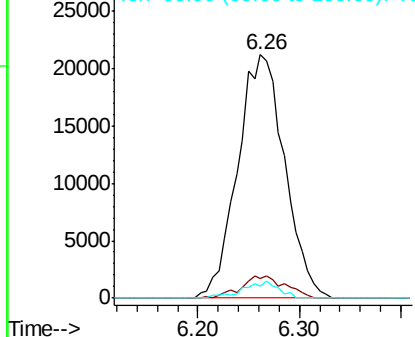
63 100

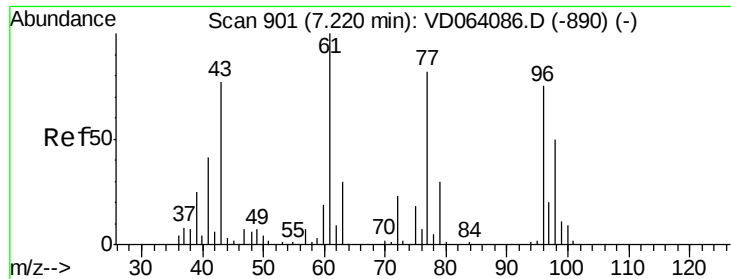
98 7.9 4.0 11.9

100 5.0 2.6 7.8



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: 94.823 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

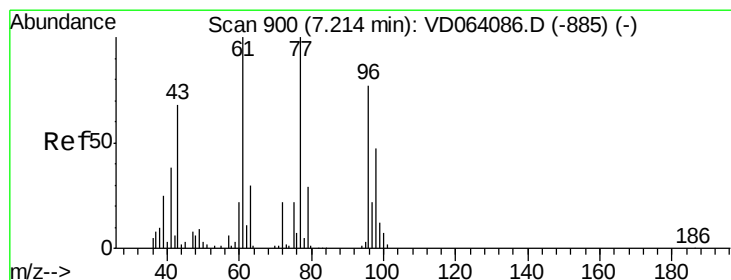
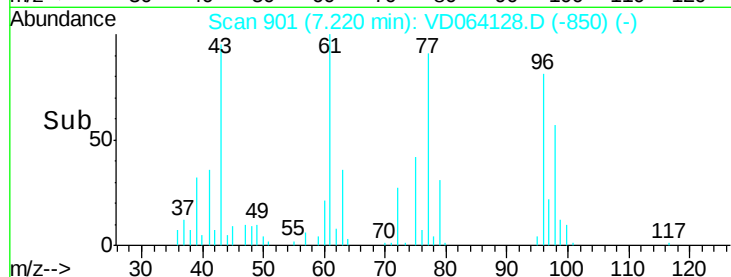
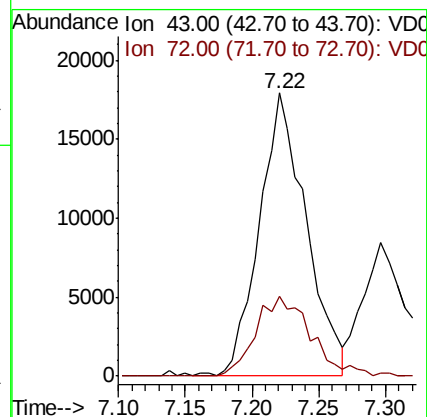
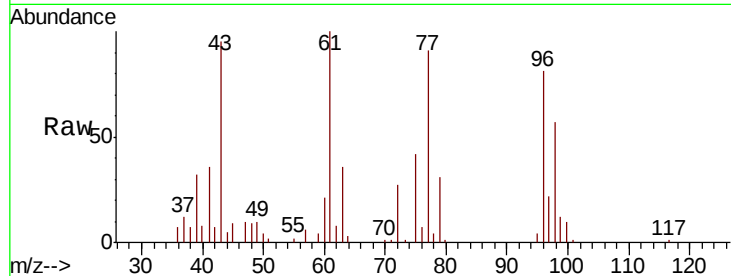
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 43585

Ion Ratio Lower Upper

43 100

72 28.3 23.4 35.0



#26

2,2-Dichloropropane

Concen: 19.600 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064128.D

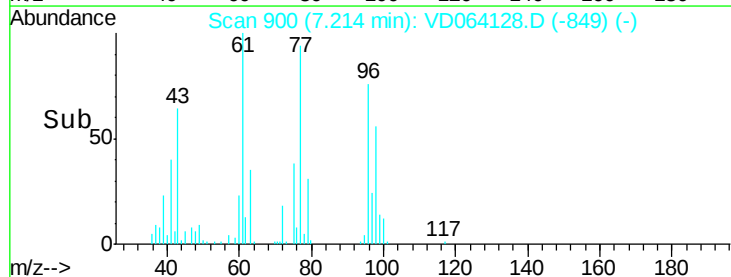
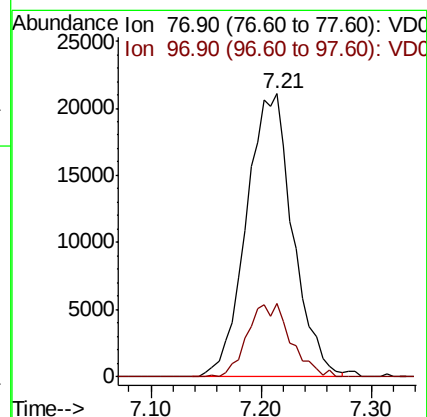
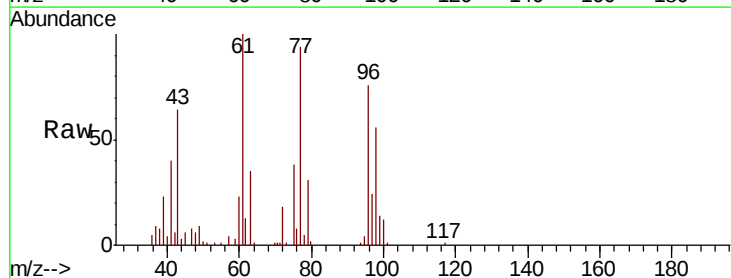
Acq: 31 Oct 2019 13:03

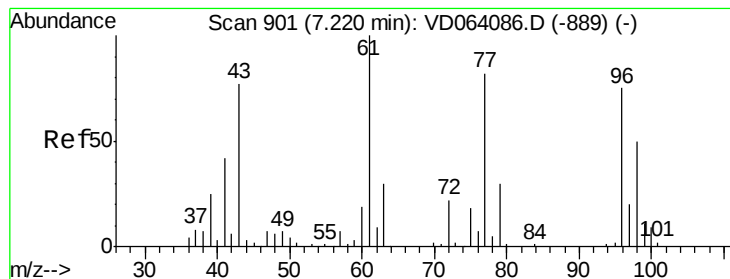
Tgt Ion: 77 Resp: 62063

Ion Ratio Lower Upper

77 100

97 24.1 11.2 33.5



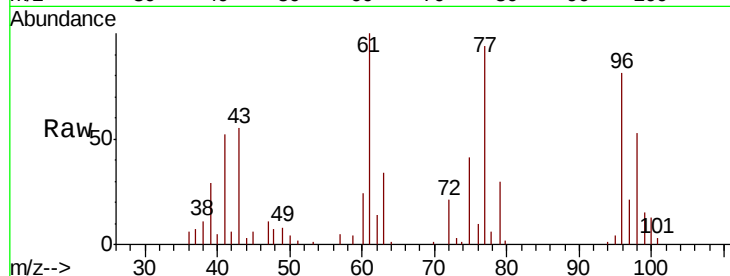


#27

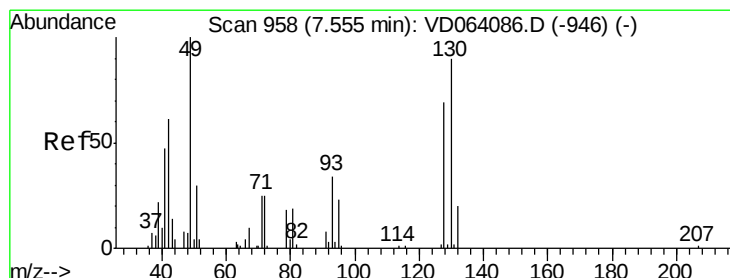
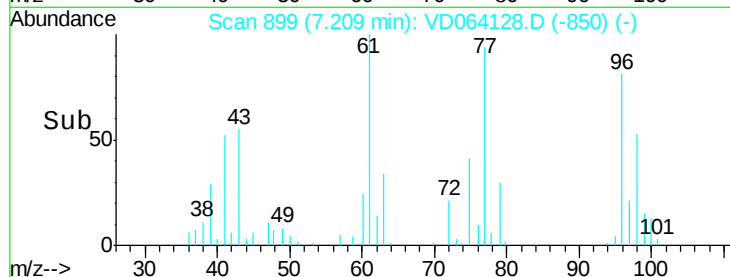
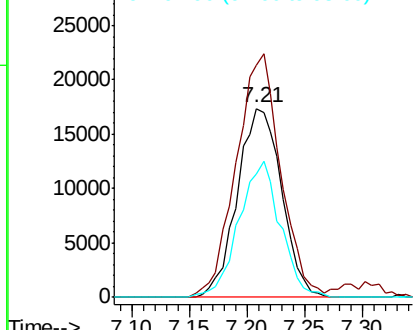
cis-1,2-Dichloroethene
Concen: 19.398 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 46440
Ion Ratio Lower Upper
96 100
61 128.9 0.0 258.0
98 67.2 0.0 130.8



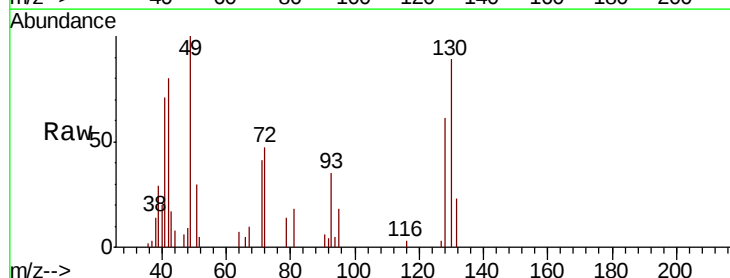
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



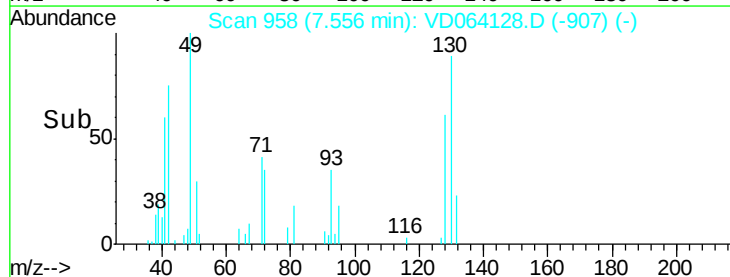
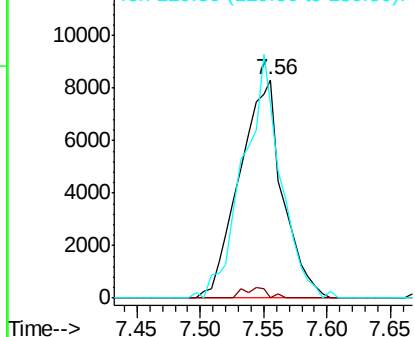
#28

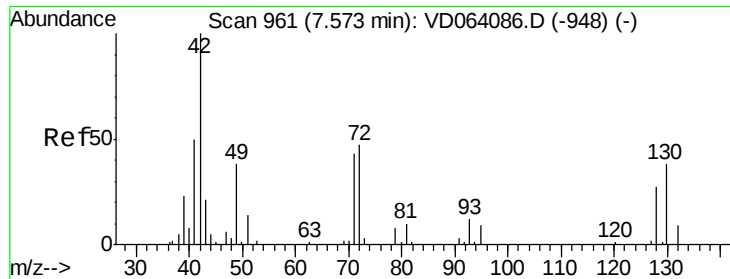
Bromochloromethane
Concen: 16.739 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion: 49 Resp: 19730
Ion Ratio Lower Upper
49 100
129 2.7 0.0 5.4
130 97.1 75.3 112.9



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

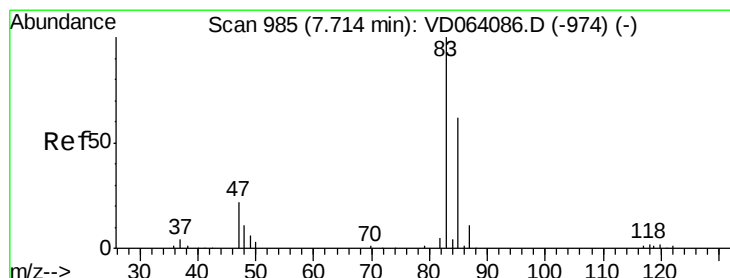
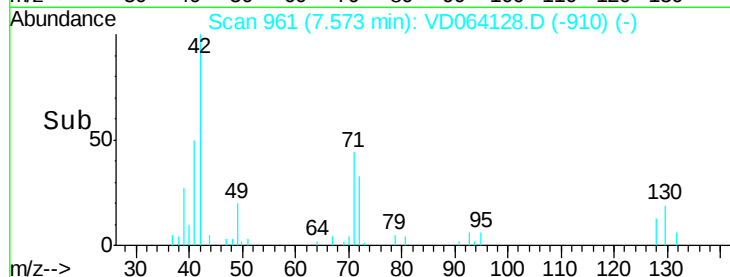
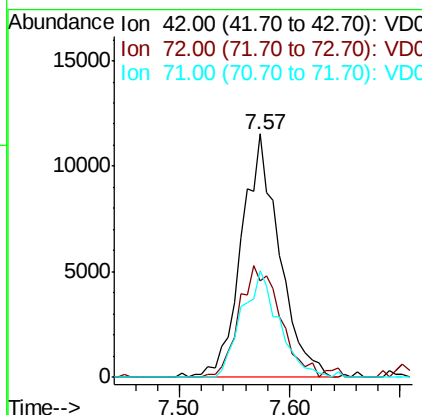
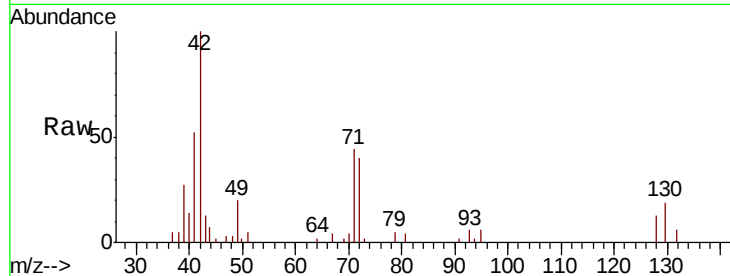




#29
Tetrahydrofuran
Concen: 103.691 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

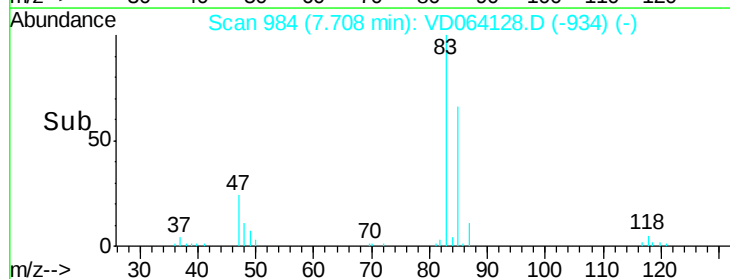
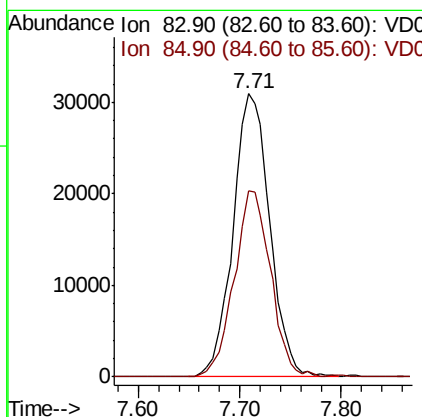
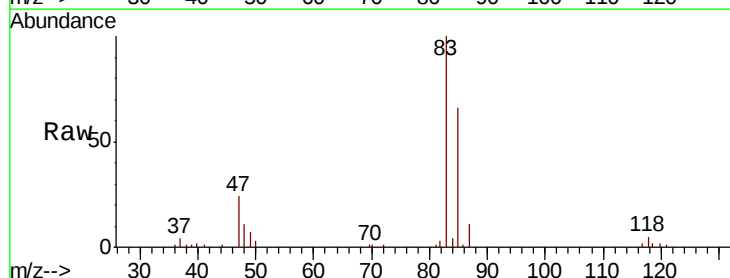
Instrument :
MSVOA_D
ClientSampled :

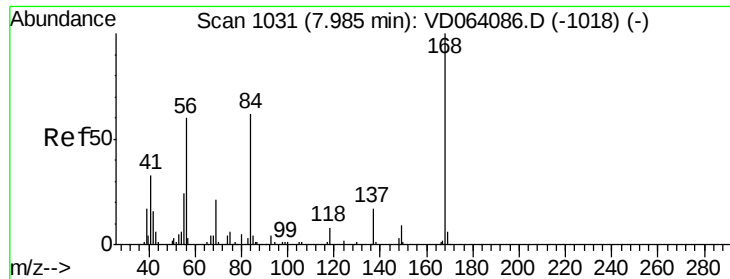
Tot Ion: 42 Resp: 27816
Ion Ratio Lower Upper
42 100
72 49.6 38.9 58.3
71 43.1 35.4 53.2



#30
Chloroform
Concen: 20.351 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion: 83 Resp: 77692
Ion Ratio Lower Upper
83 100
85 65.9 49.8 74.6

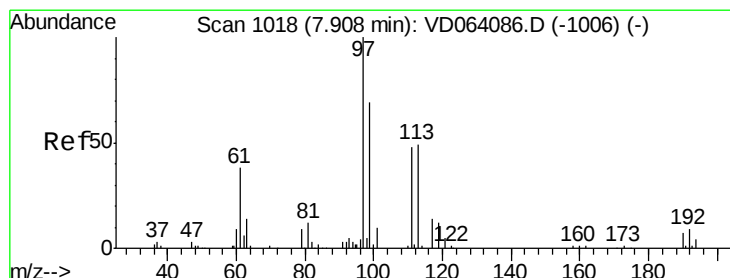
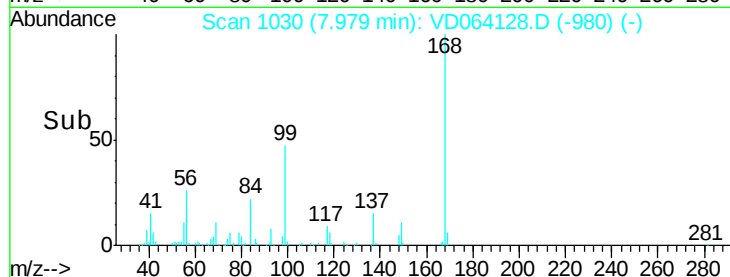
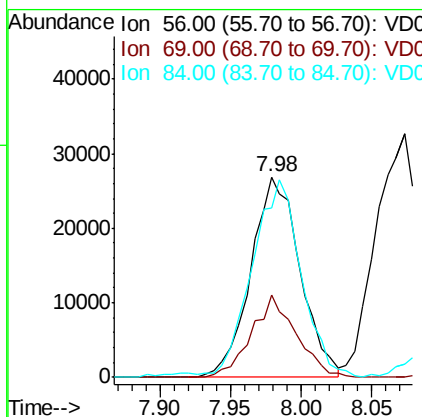
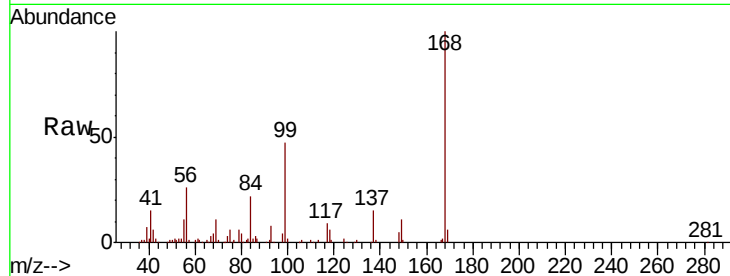




#31
Cyclohexane
Concen: 20.120 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

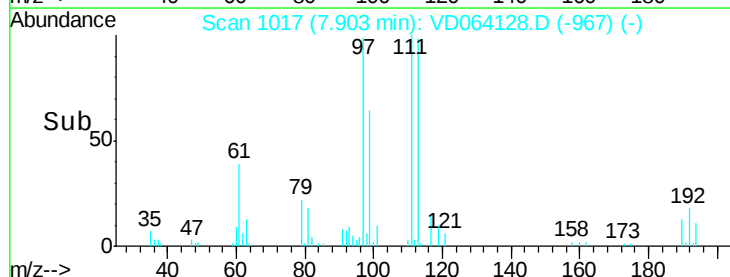
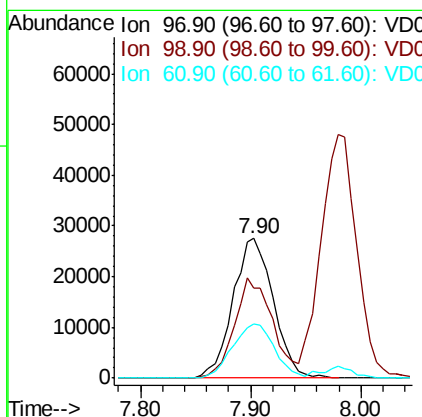
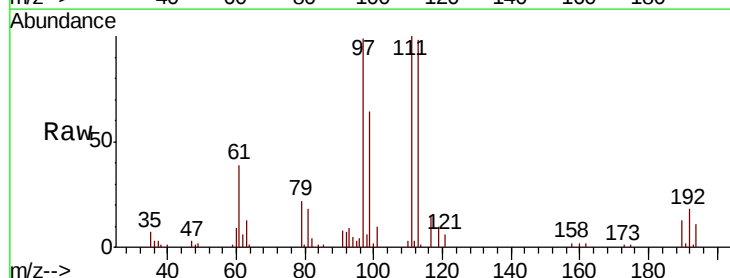
Instrument :
MSVOA_D
ClientSampled :

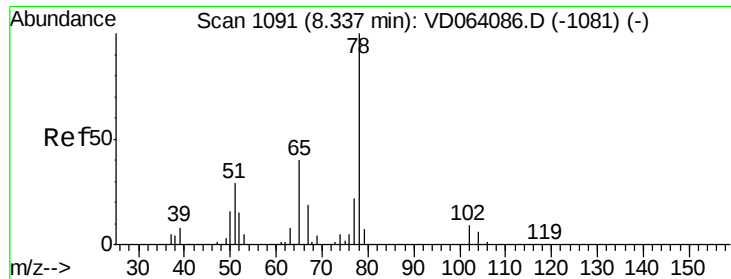
Tot Ion: 56 Resp: 65397
Ion Ratio Lower Upper
56 100
69 41.4 27.7 41.5
84 82.8 83.1 124.7#



#32
1,1,1-Trichloroethane
Concen: 19.878 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion: 97 Resp: 70641
Ion Ratio Lower Upper
97 100
99 68.1 53.7 80.5
61 40.1 31.8 47.6





#33

1,2-Dichloroethane-d4

Concen: 50.736 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

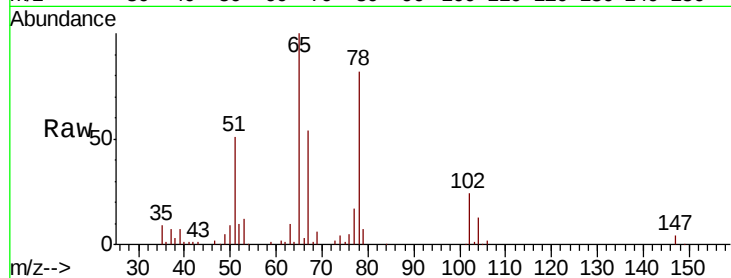
ClientSampled :

Tot Ion: 65 Resp: 88659

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.6

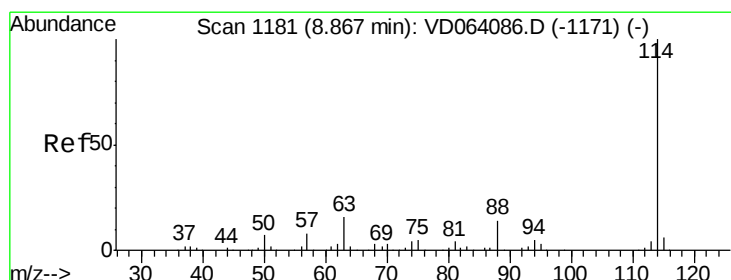
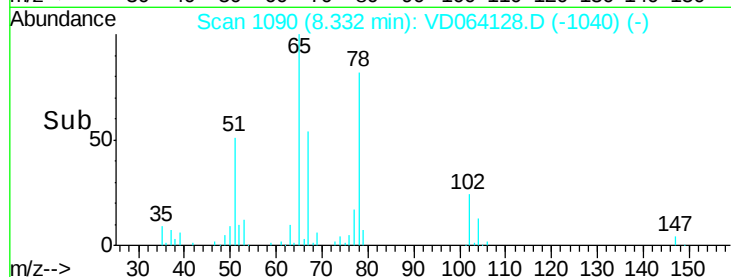


Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

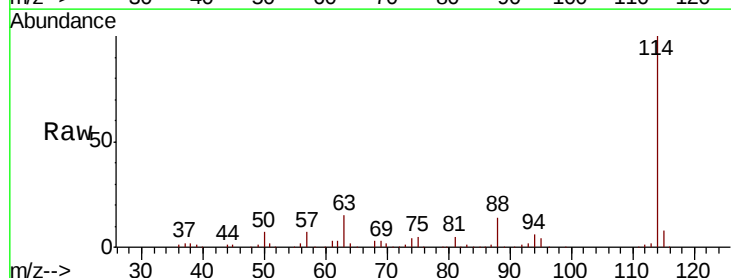
Tgt Ion: 114 Resp: 328487

Ion Ratio Lower Upper

114 100

63 14.9 0.0 32.8

88 14.2 0.0 27.6



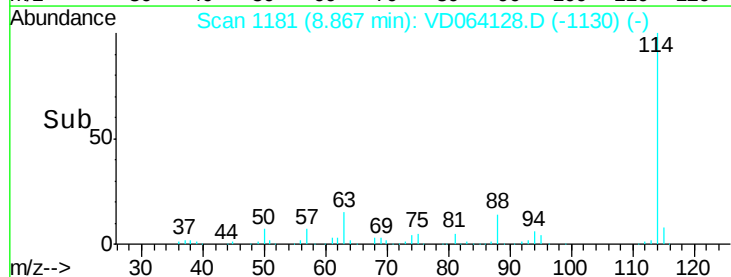
Abundance Ion 113.90 (113.60 to 114.60): VDC

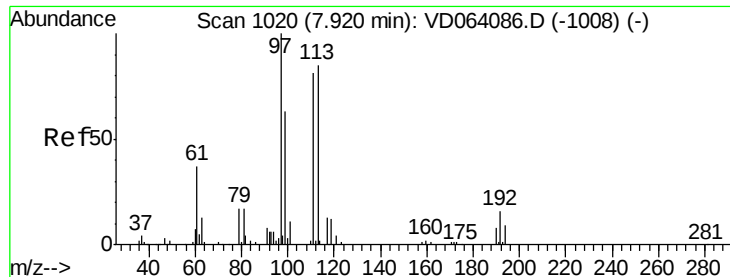
Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

Time-->

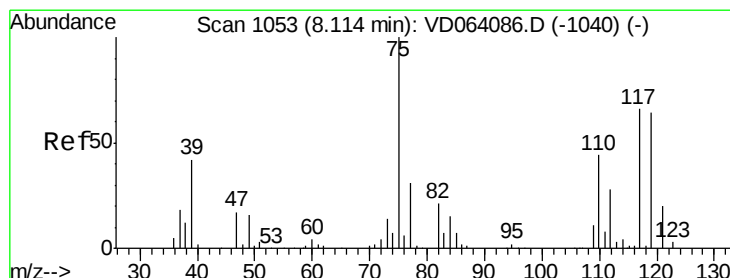
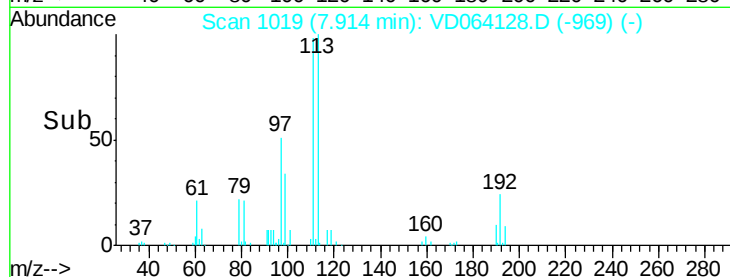
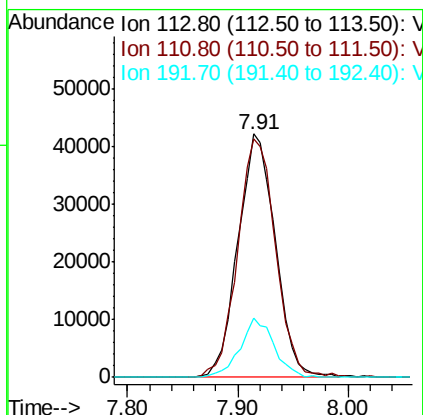
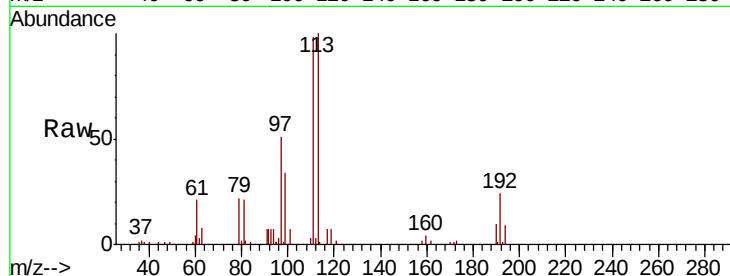




#35
Dibromofluoromethane
Concen: 49.732 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

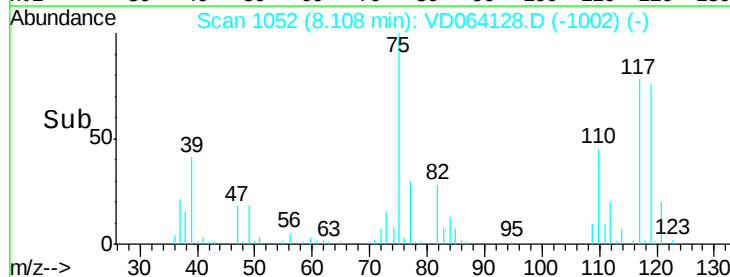
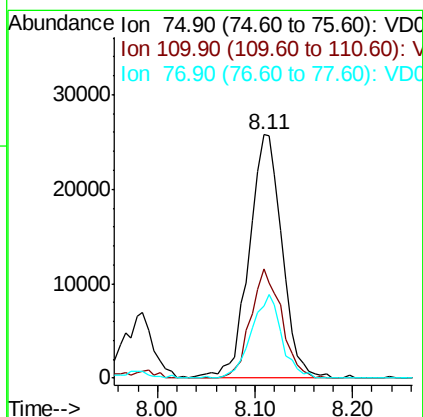
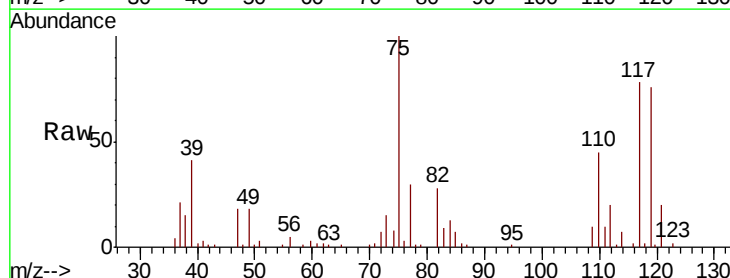
Instrument :
MSVOA_D
ClientSampleId :

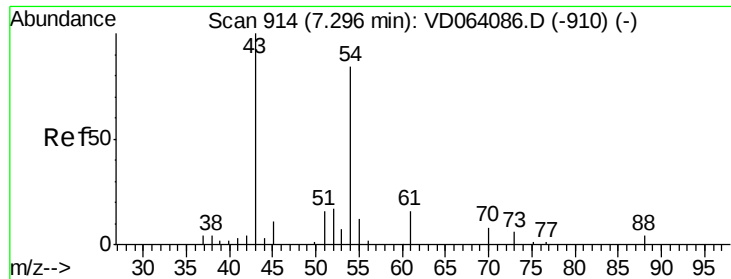
Tot Ion:113 Resp: 100505
Ion Ratio Lower Upper
113 100
111 99.5 79.3 118.9
192 22.3 16.2 24.2



#36
1,1-Dichloropropene
Concen: 19.833 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion: 75 Resp: 61045
Ion Ratio Lower Upper
75 100
110 42.0 20.0 59.9
77 31.5 24.7 37.1

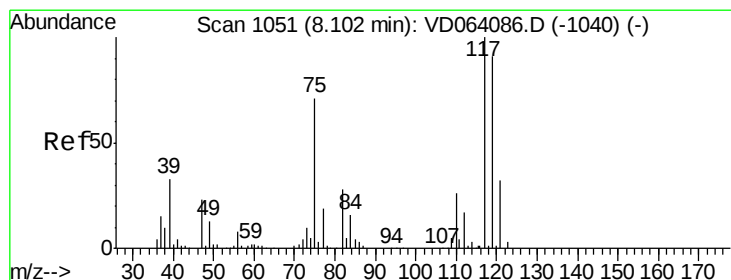
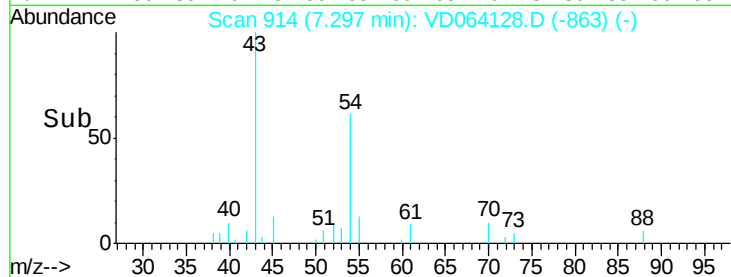
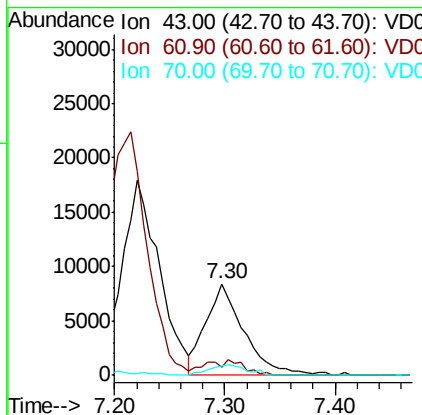
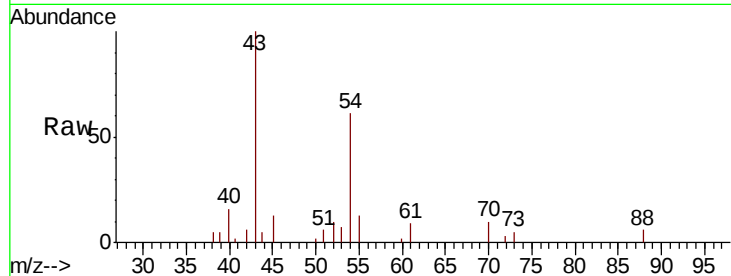




#37
Ethyl Acetate
Concen: 21.367 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

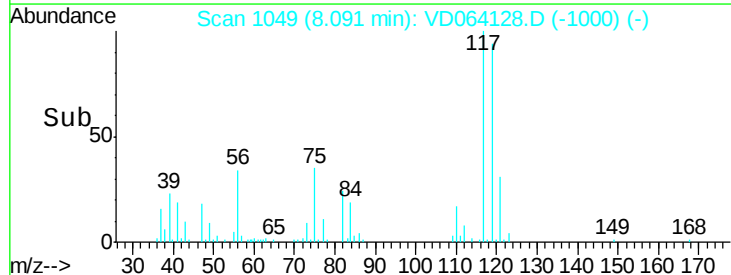
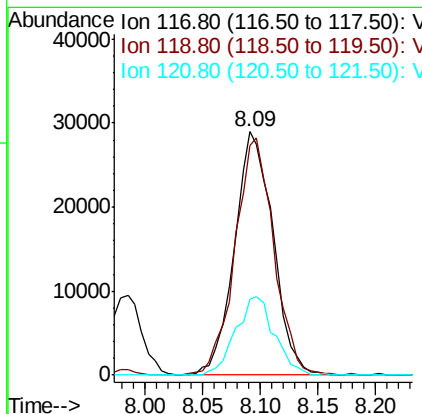
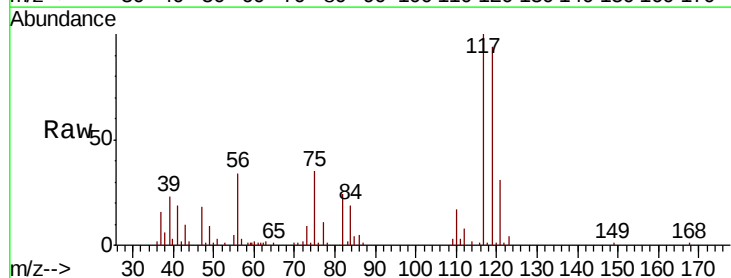
Instrument :
MSVOA_D
ClientSampleID :

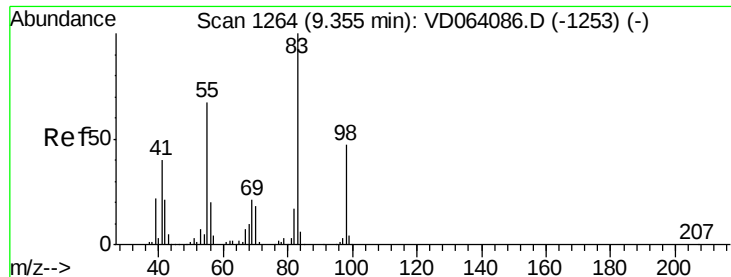
Tot Ion: 43 Resp: 20243
Ion Ratio Lower Upper
43 100
61 8.9 12.0 18.0#
70 10.9 3.8 5.6#



#38
Carbon Tetrachloride
Concen: 20.039 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion: 117 Resp: 67296
Ion Ratio Lower Upper
117 100
119 94.2 72.6 108.8
121 31.1 25.8 38.6

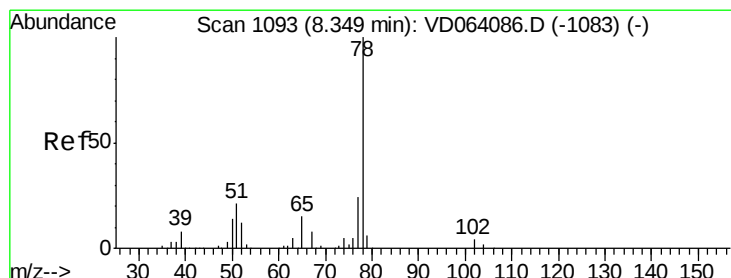
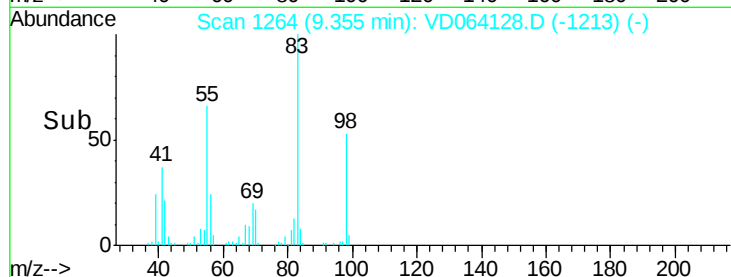
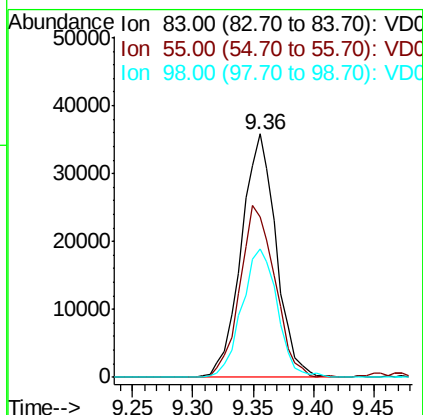
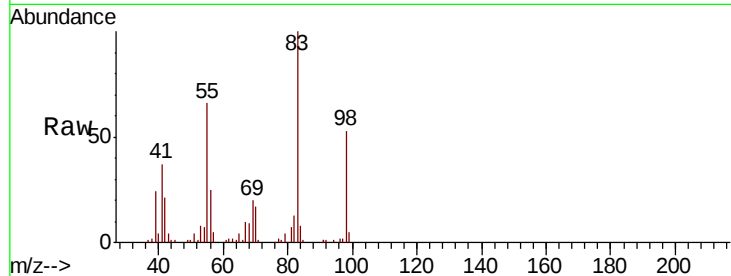




#39
Methvlcvclohexane
Concen: 19.113 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

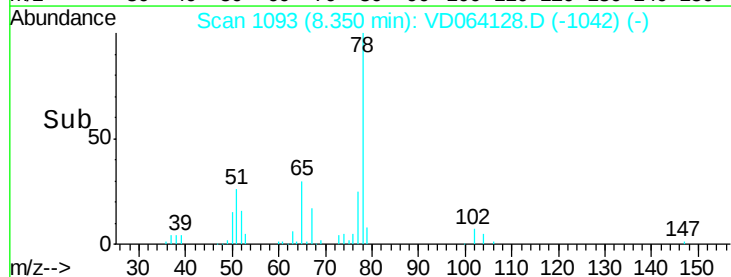
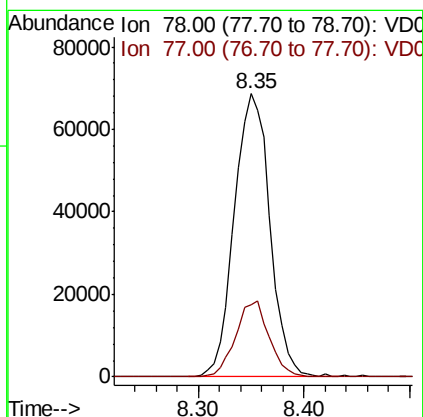
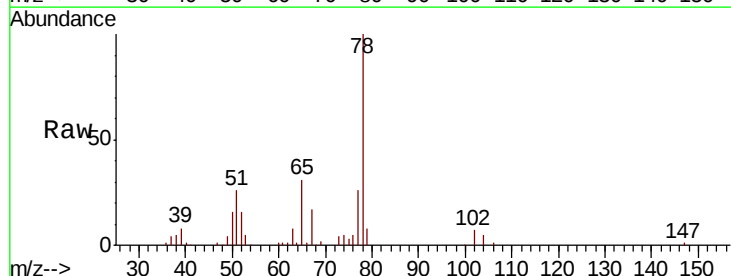
Instrument :
MSVOA_D
ClientSampled :

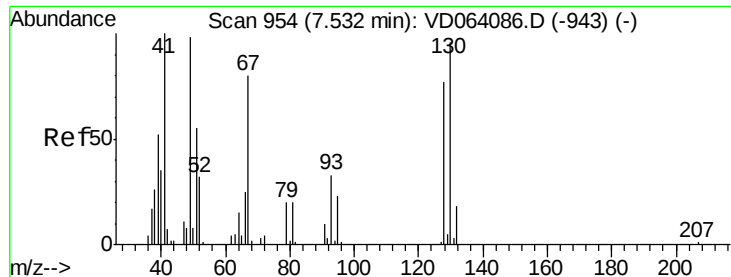
Tot Ion: 83 Resp: 72219
Ion Ratio Lower Upper
83 100
55 65.8 53.4 80.0
98 53.0 37.8 56.6



#40
Benzene
Concen: 19.082 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion: 78 Resp: 160167
Ion Ratio Lower Upper
78 100
77 25.7 19.0 28.4

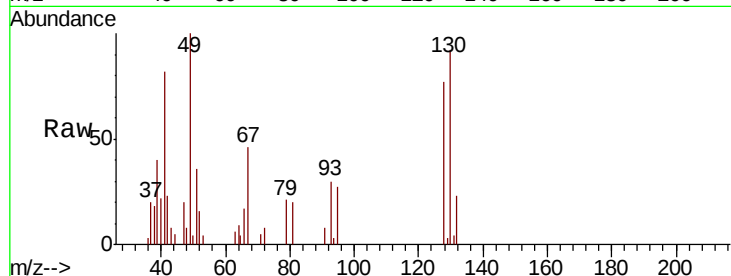




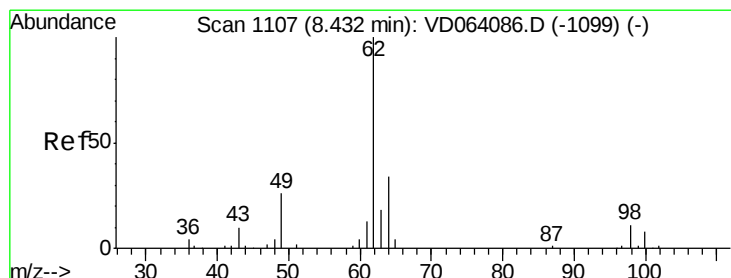
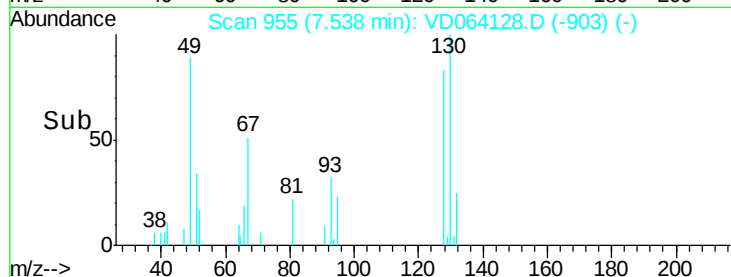
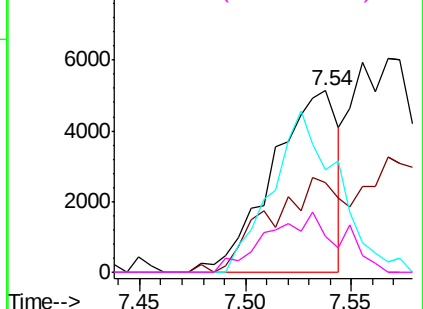
#41
Methacrylonitrile
Concen: 20.313 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:	41	Resp:	11106
Ion	Ratio	Lower	Upper
41	100		
39	59.5	41.0	61.4
67	89.4	73.4	110.0
52	36.9	27.3	40.9

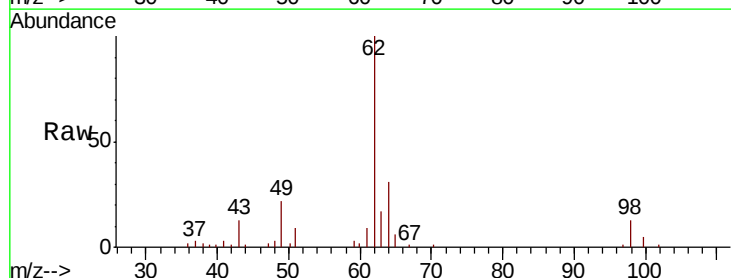


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

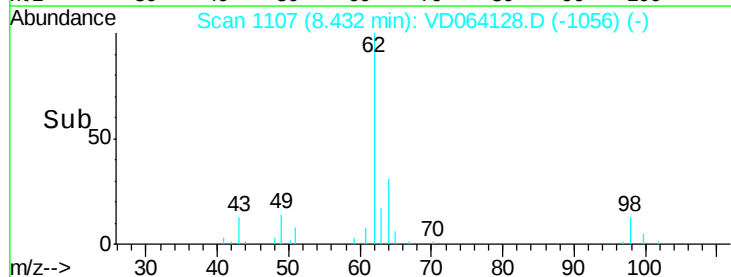
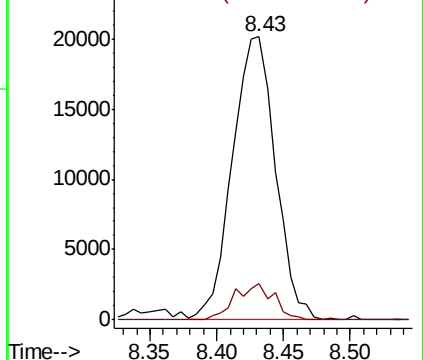


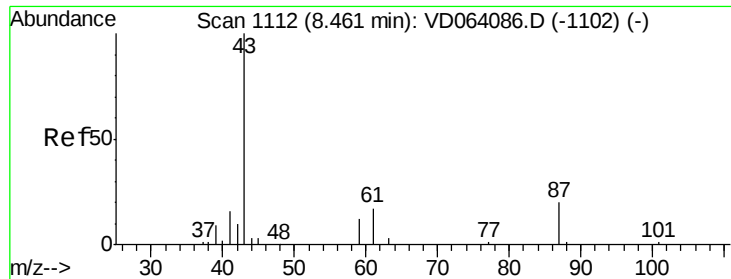
#42
1,2-Dichloroethane
Concen: 20.331 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion:	62	Resp:	45078
Ion	Ratio	Lower	Upper
62	100		
98	11.7	0.0	21.0



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





#43

Isopropyl Acetate

Concen: 18.827 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

ClientSampleID :

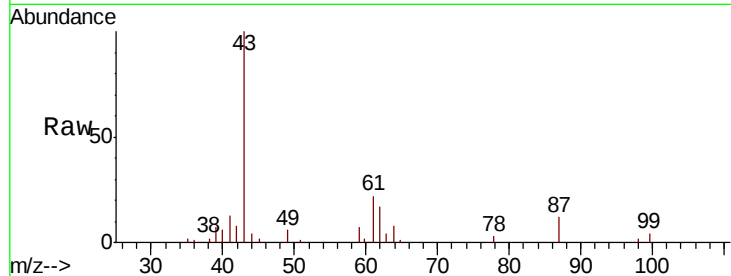
Tot Ion: 43 Resp: 36047

Ion Ratio Lower Upper

43 100

61 21.6 25.8 38.8#

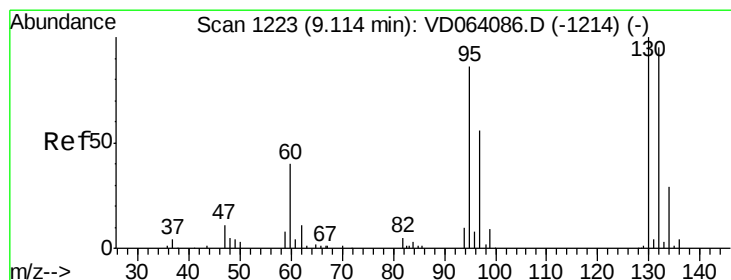
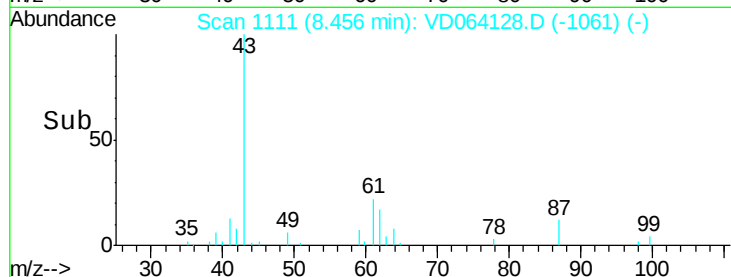
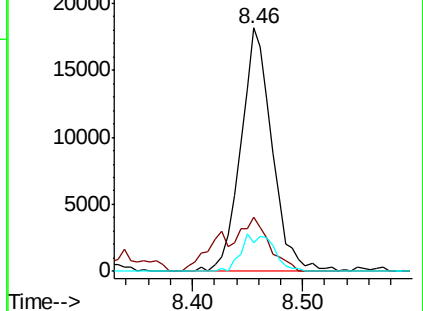
87 15.8 13.0 19.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.521 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD064128.D

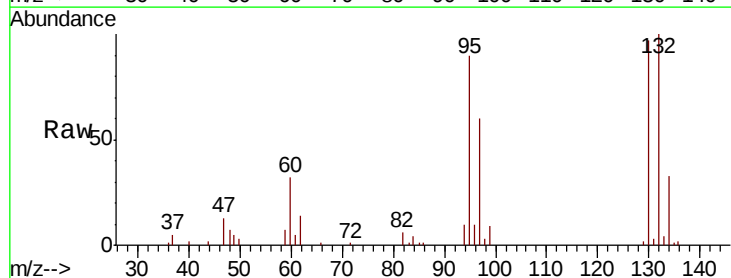
Acq: 31 Oct 2019 13:03

Tgt Ion:130 Resp: 52206

Ion Ratio Lower Upper

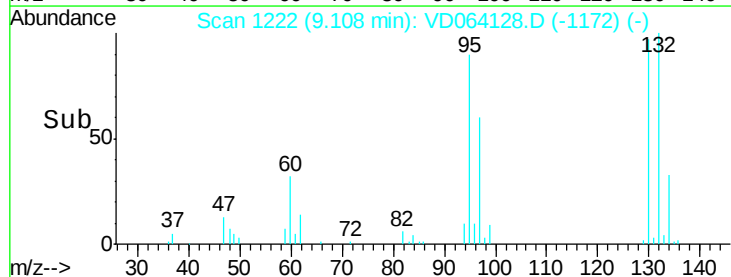
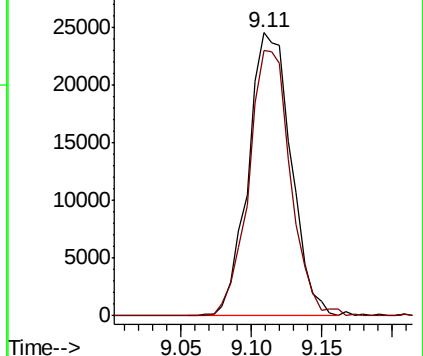
130 100

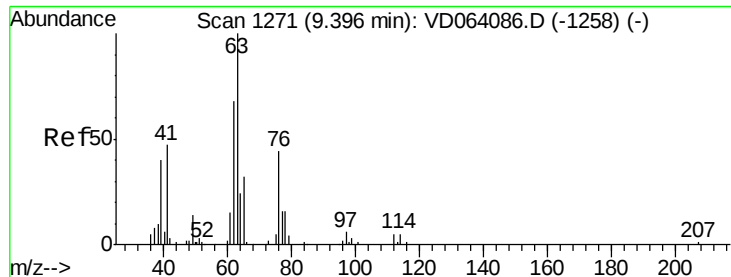
95 93.6 0.0 173.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.553 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

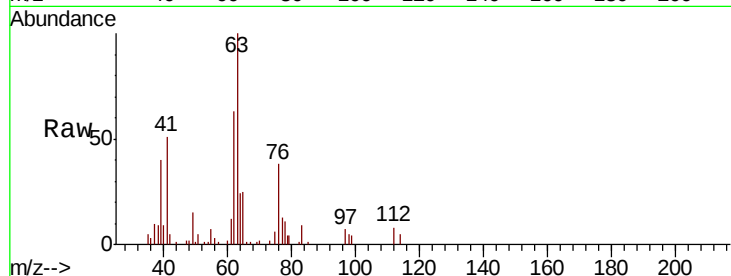
ClientSampleId :

Tot Ion: 63 Resp: 38035

Ion Ratio Lower Upper

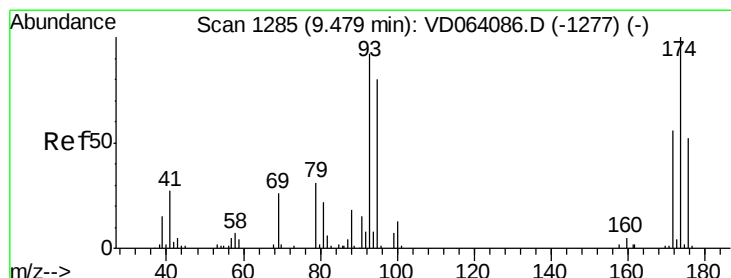
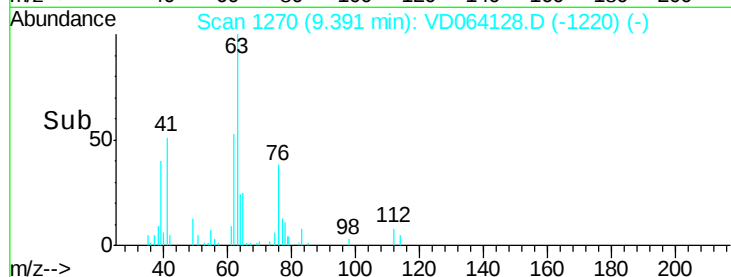
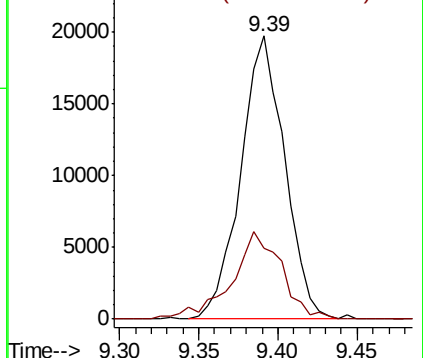
63 100

65 25.0 25.8 38.8#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 19.585 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

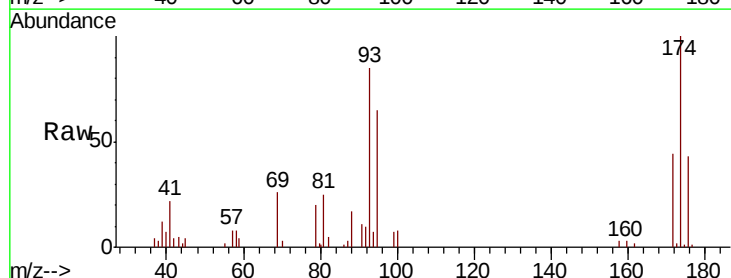
Tgt Ion: 93 Resp: 22945

Ion Ratio Lower Upper

93 100

95 84.2 67.4 101.2

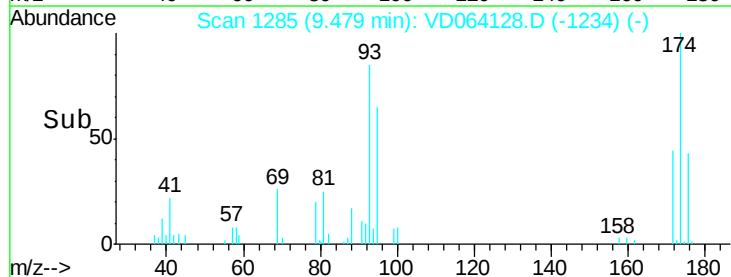
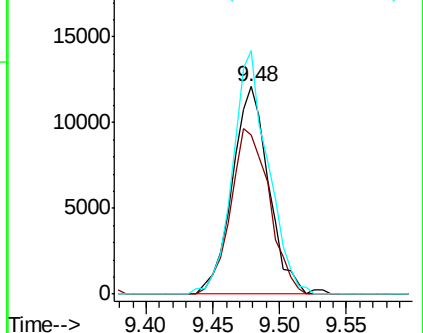
174 113.5 86.4 129.6

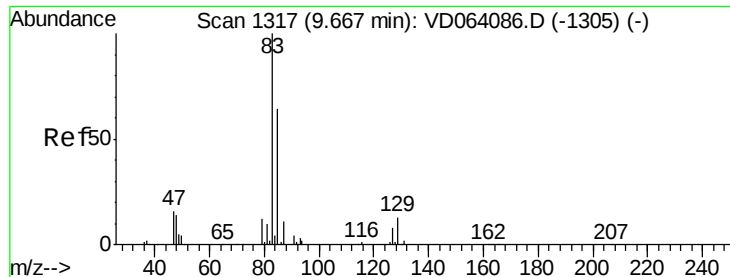


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.276 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

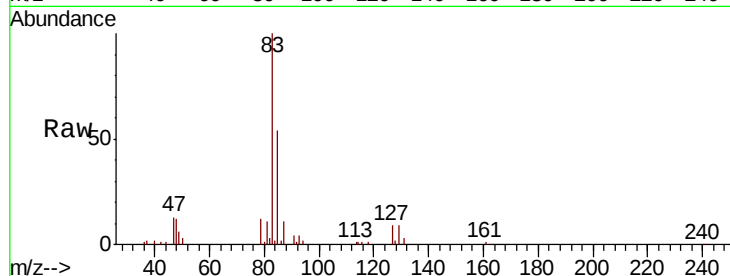
Tot Ion: 83 Resp: 59926

Ion Ratio Lower Upper

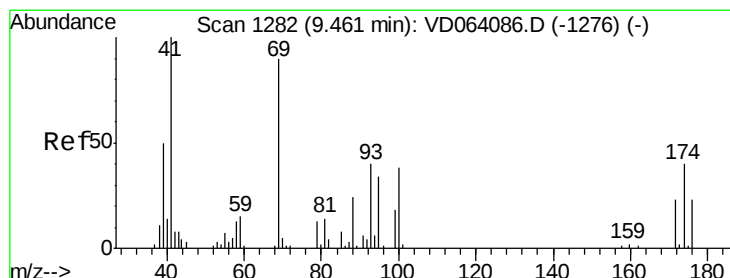
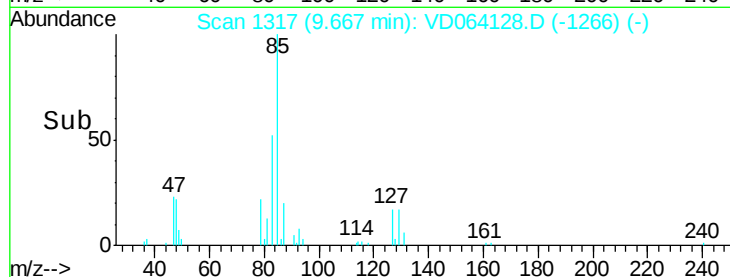
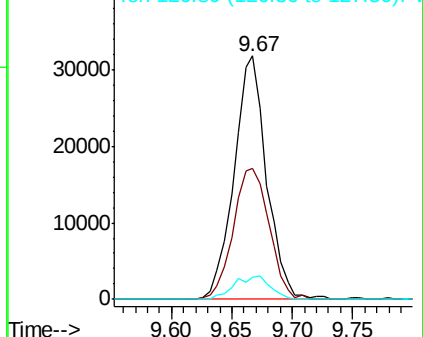
83 100

85 53.9 51.4 77.0

127 8.9 6.7 10.1



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



#48

Methyl methacrylate

Concen: 21.948 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

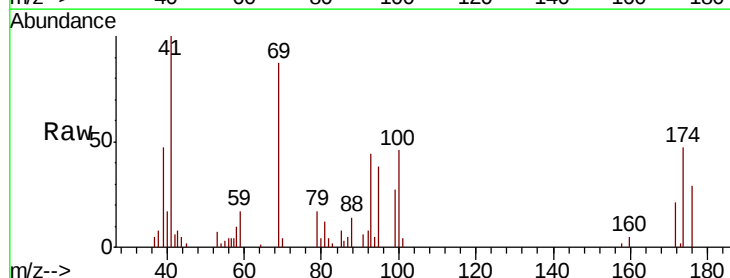
Tgt Ion: 41 Resp: 19433

Ion Ratio Lower Upper

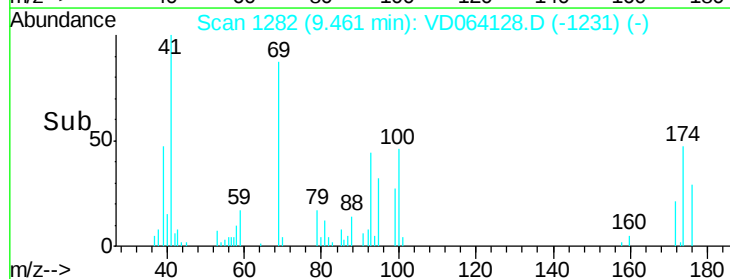
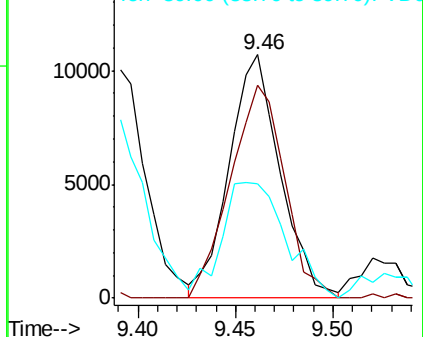
41 100

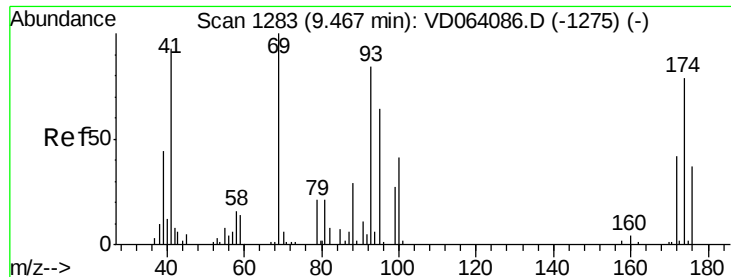
69 92.8 82.6 124.0

39 59.9 47.0 70.4



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

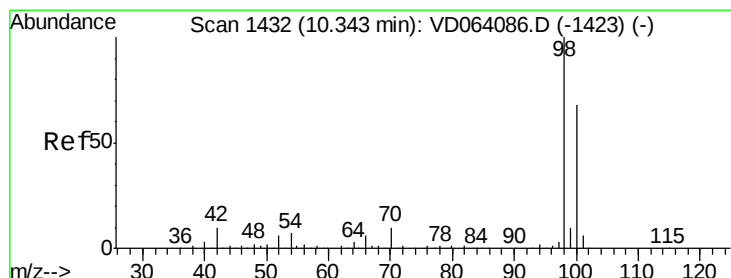
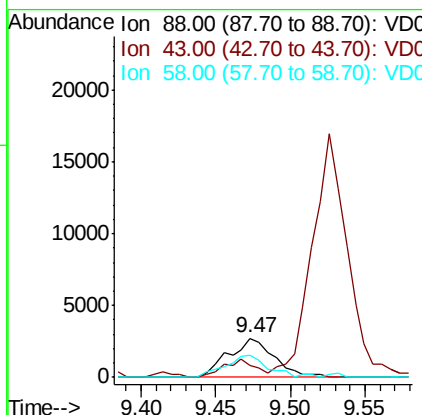
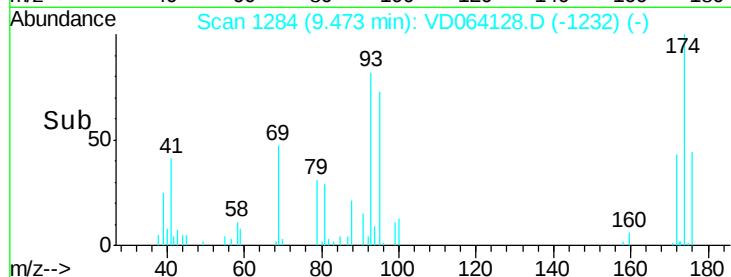
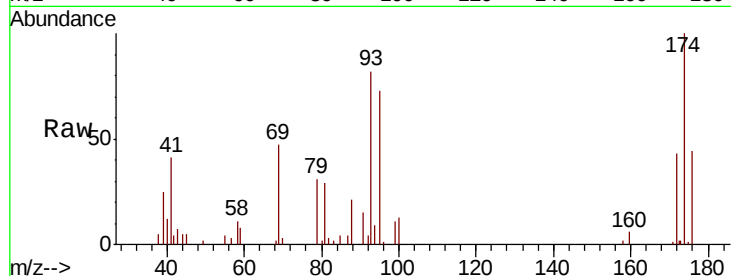




#49
1,4-Dioxane
Concen: 429.445 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

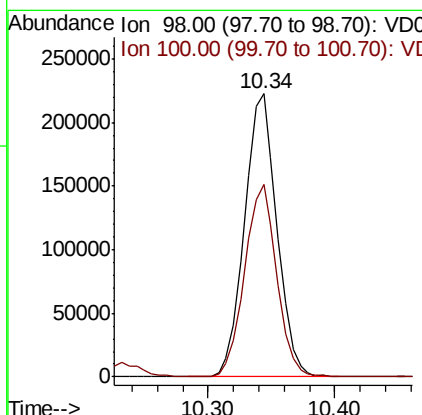
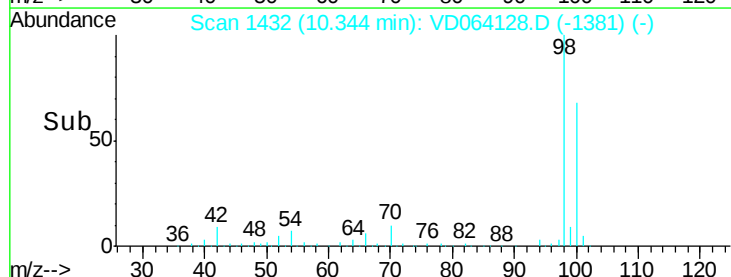
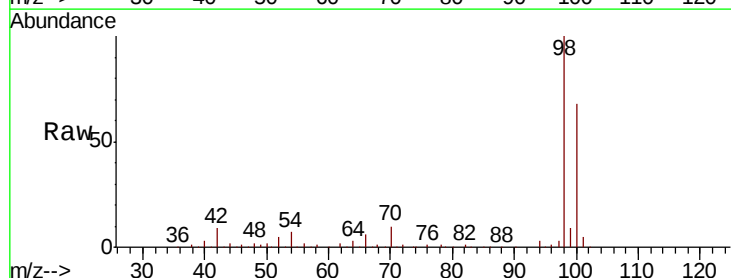
Instrument :
MSVOA_D
ClientSampleId :

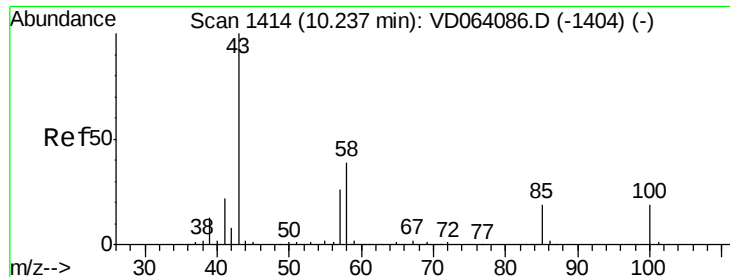
Tot Ion: 88 Resp: 5759
Ion Ratio Lower Upper
88 100
43 32.7 13.4 20.0#
58 53.7 46.7 70.1



#50
Toluene-d8
Concen: 48.895 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion: 98 Resp: 395171
Ion Ratio Lower Upper
98 100
100 67.3 53.4 80.0





#51

4-Methyl-2-Pentanone

Concen: 96.657 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

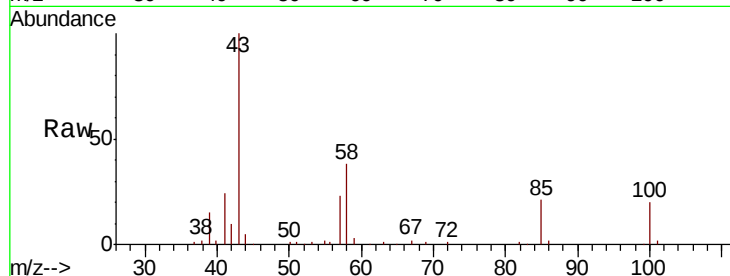
ClientSampled :

Tot Ion: 43 Resp: 100751

Ion Ratio Lower Upper

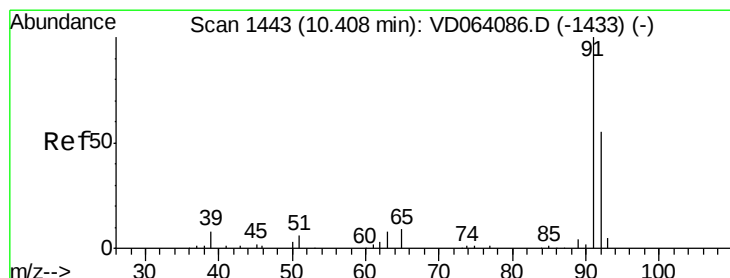
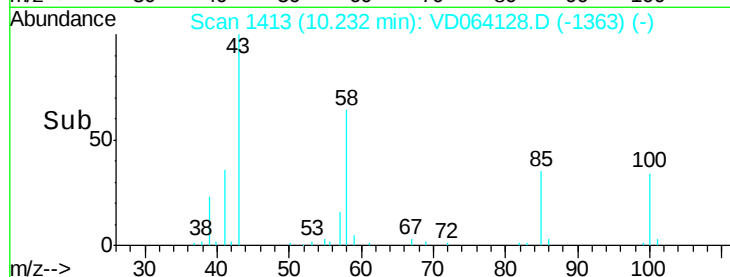
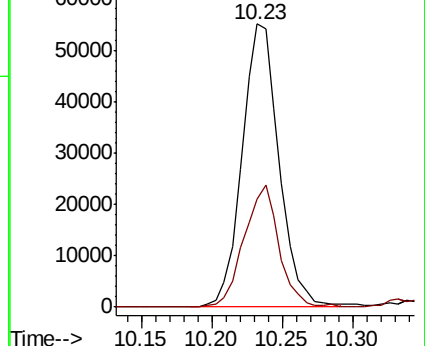
43 100

58 40.9 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.012 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064128.D

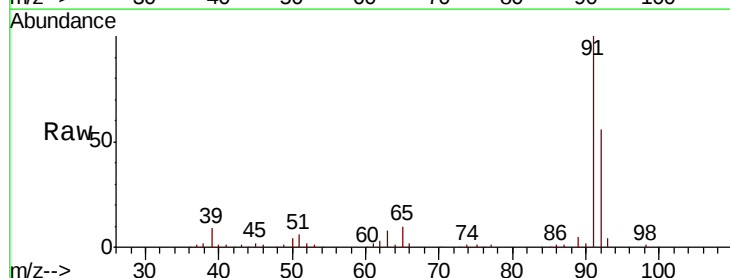
Acq: 31 Oct 2019 13:03

Tgt Ion: 92 Resp: 117715

Ion Ratio Lower Upper

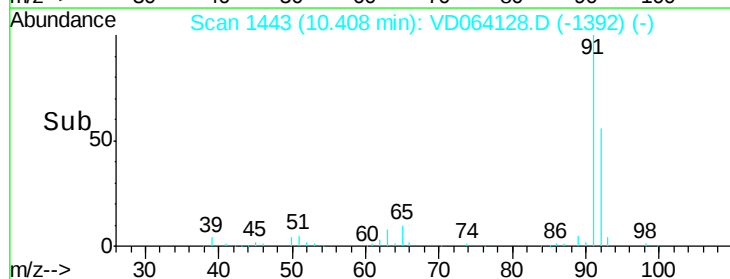
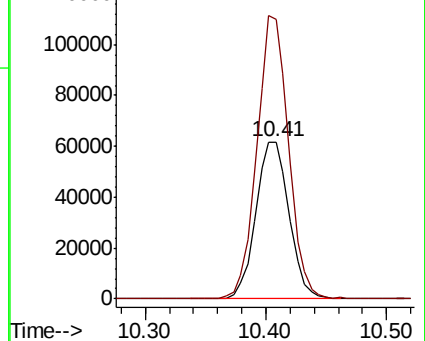
92 100

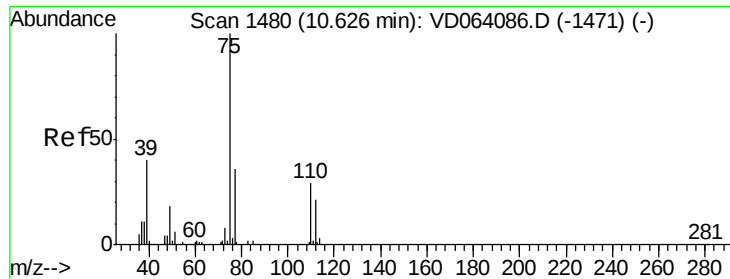
91 171.6 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.404 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

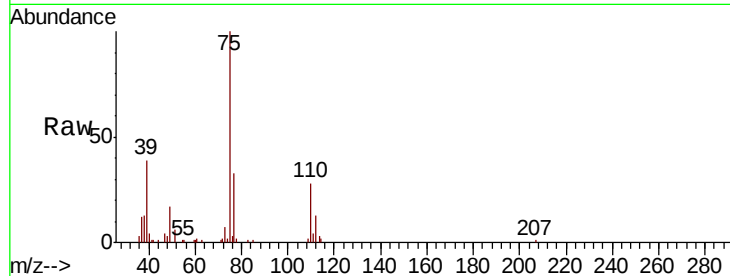
ClientSampleId :

Tot Ion: 75 Resp: 53535

Ion Ratio Lower Upper

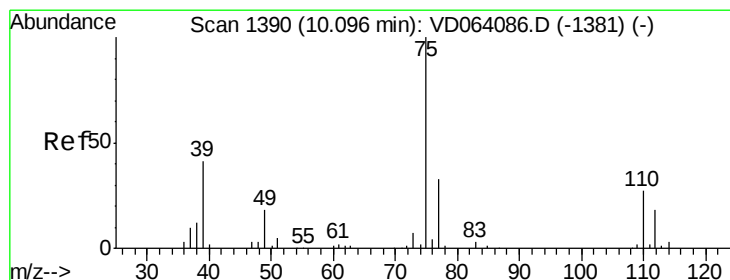
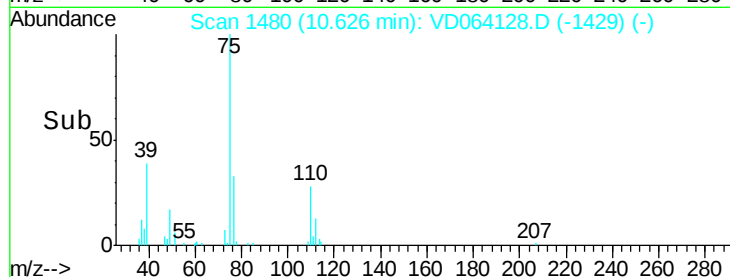
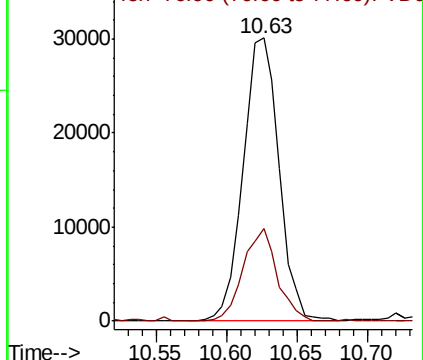
75 100

77 32.6 28.7 43.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.212 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

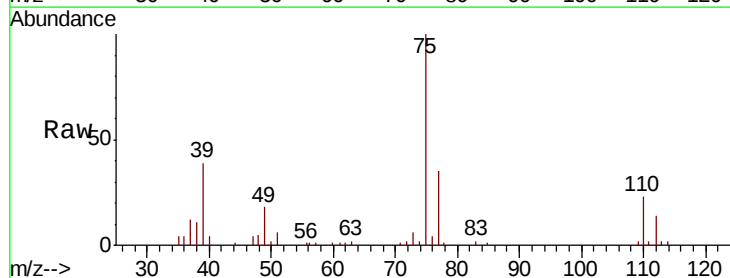
Tgt Ion: 75 Resp: 62358

Ion Ratio Lower Upper

75 100

77 34.8 26.8 40.2

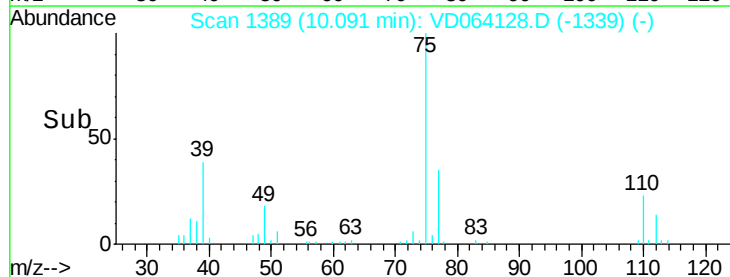
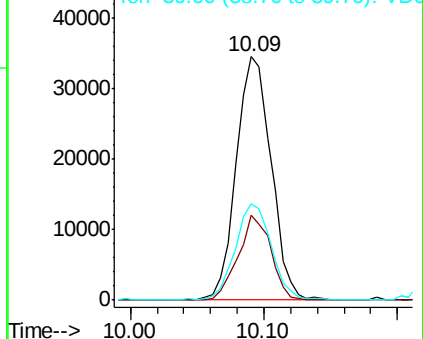
39 39.4 32.7 49.1

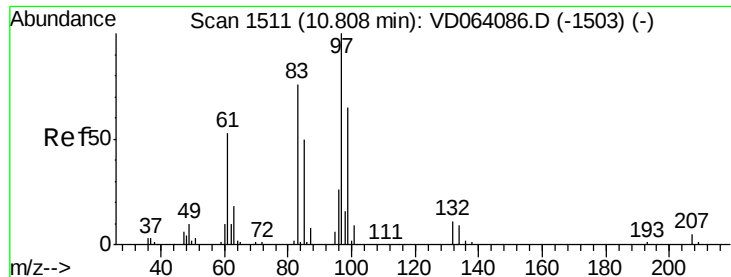


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

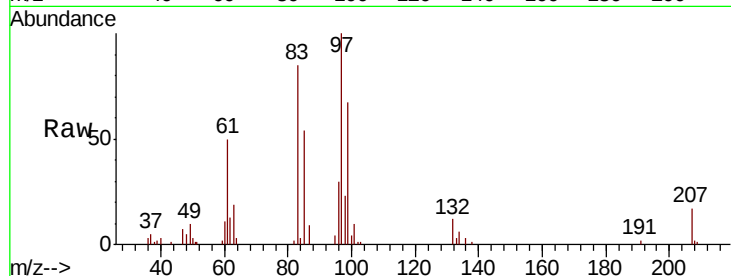




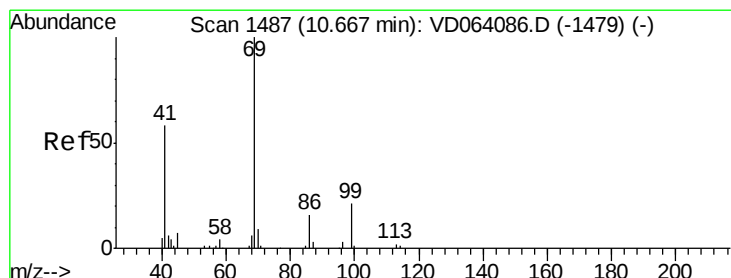
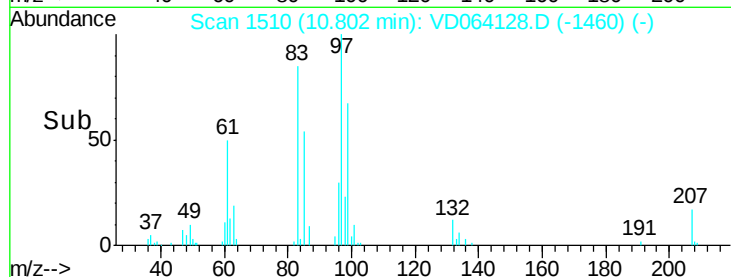
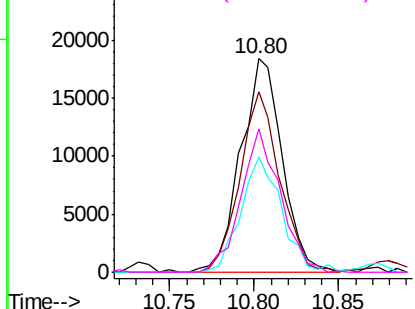
#55
 1,1,2-Trichloroethane
 Concen: 18.929 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD064128.D
 Acq: 31 Oct 2019 13:03

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	31441
Ion	Ratio	Lower	Upper
97	100		
83	84.6	60.9	91.3
85	53.7	40.2	60.2
99	67.0	51.9	77.9

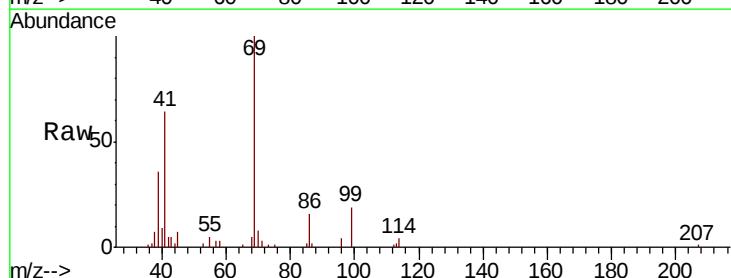


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

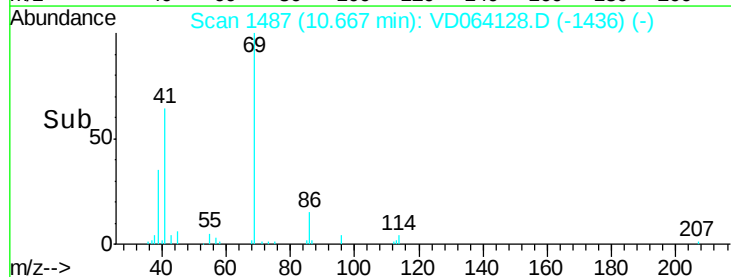
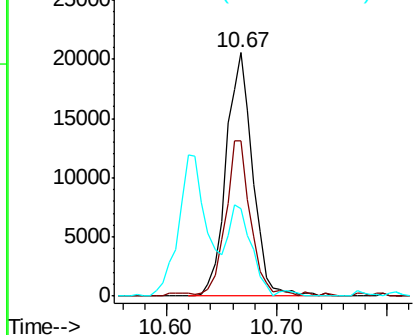


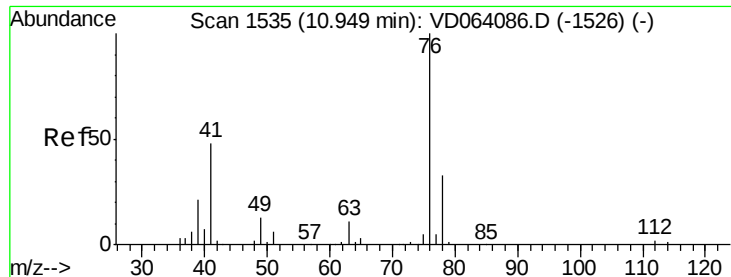
#56
 Ethyl methacrylate
 Concen: 19.139 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064128.D
 Acq: 31 Oct 2019 13:03

Tgt Ion:	69	Resp:	34636
Ion	Ratio	Lower	Upper
69	100		
41	60.1	46.9	70.3
39	32.8	27.3	40.9



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: 19.451 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

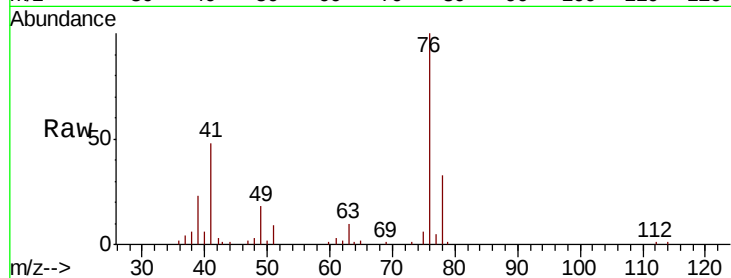
ClientSampleId :

Tot Ion: 76 Resp: 53432

Ion Ratio Lower Upper

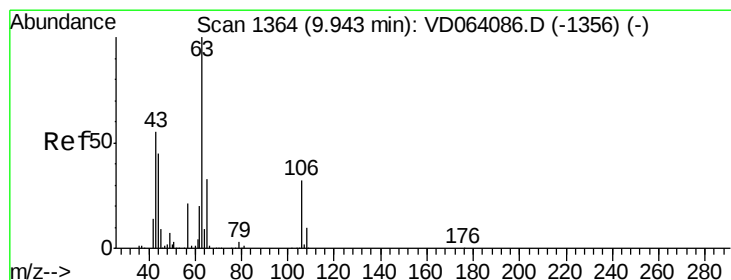
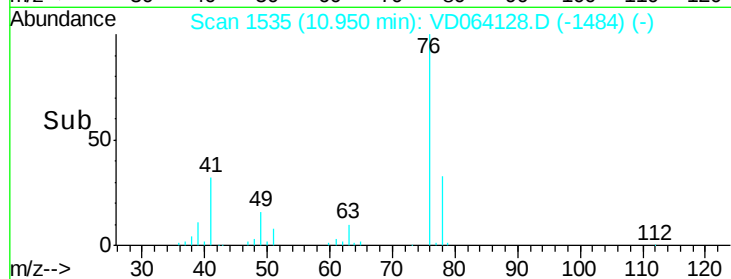
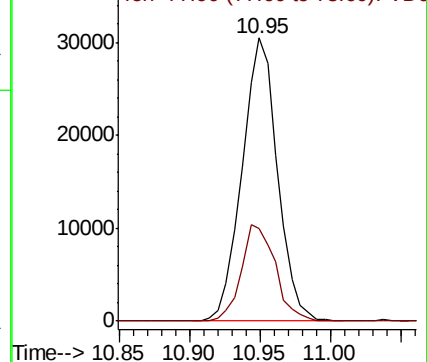
76 100

78 32.6 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 101.080 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064128.D

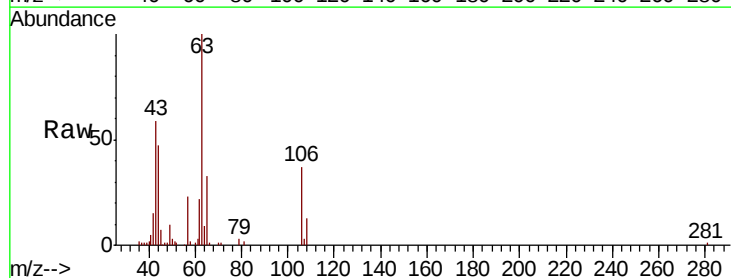
Acq: 31 Oct 2019 13:03

Tgt Ion: 63 Resp: 73556

Ion Ratio Lower Upper

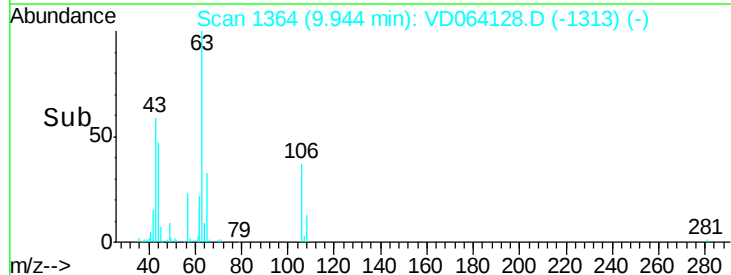
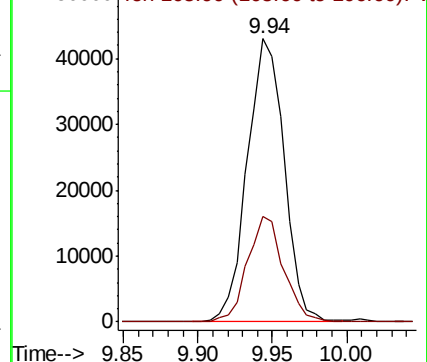
63 100

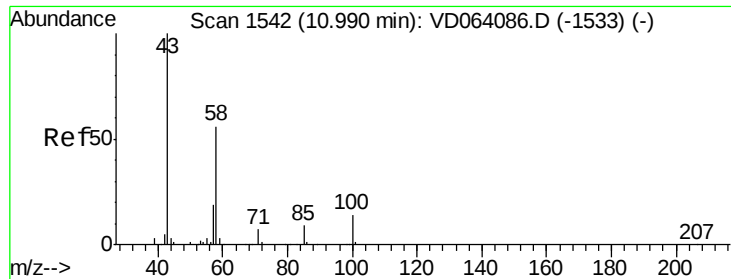
106 36.4 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

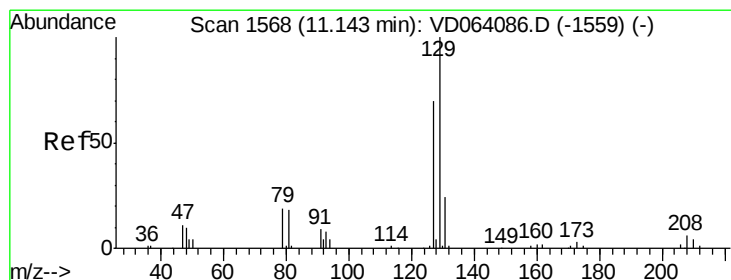
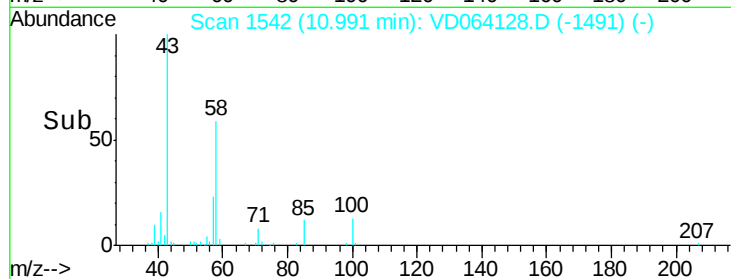
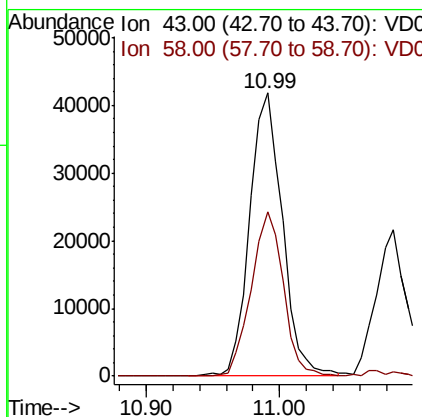
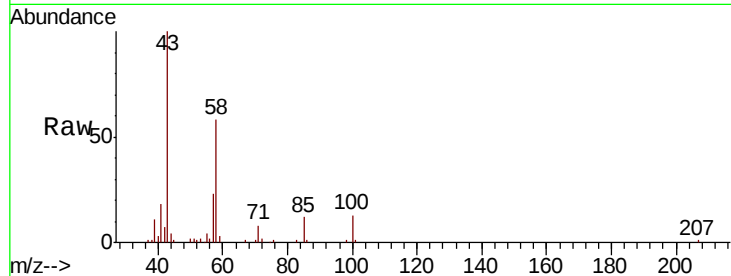




#59
2-Hexanone
Concen: 92.179 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

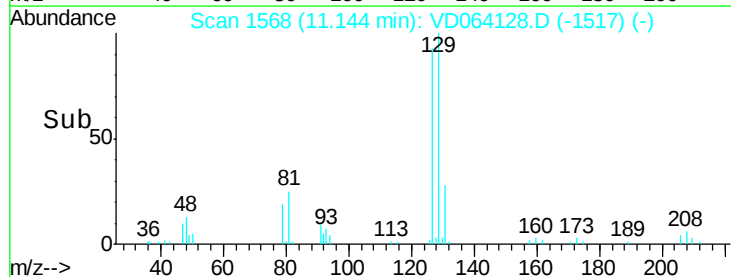
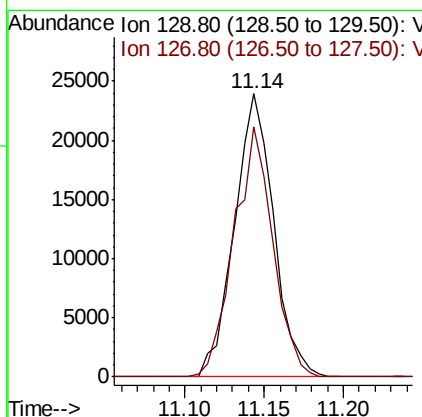
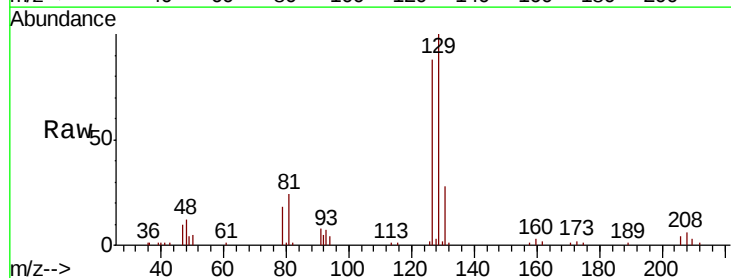
Instrument :
MSVOA_D
ClientSampleId :

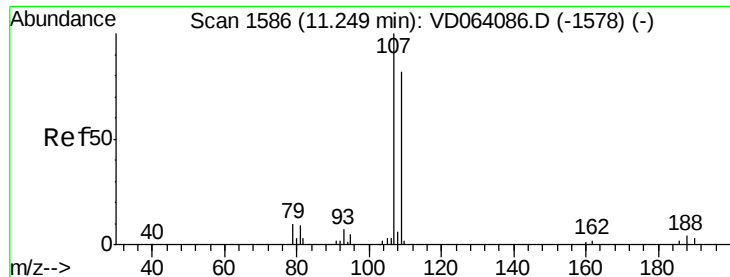
Tot Ion: 43 Resp: 70495
Ion Ratio Lower Upper
43 100
58 57.2 29.2 87.6



#60
Dibromochloromethane
Concen: 18.214 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion: 129 Resp: 41063
Ion Ratio Lower Upper
129 100
127 87.2 38.3 114.8

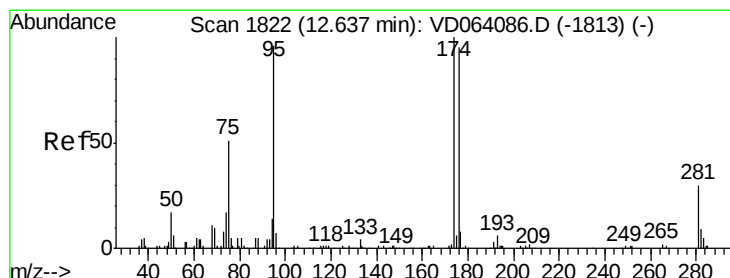
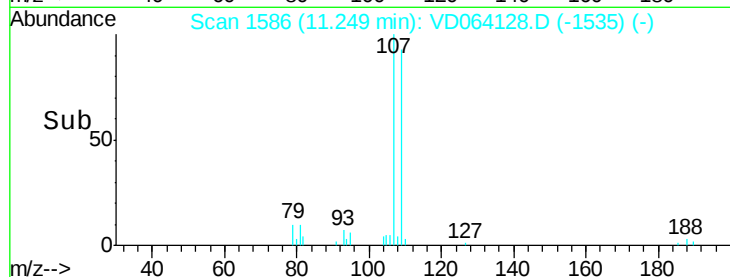
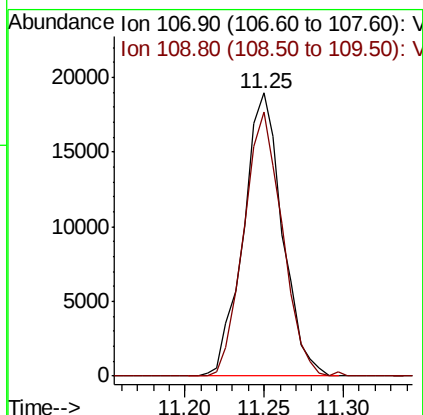
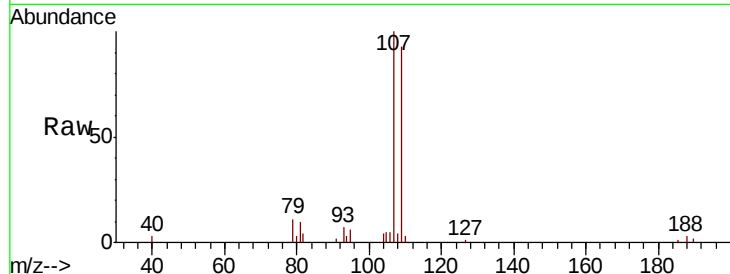




#61
 1,2-Dibromoethane
 Concen: 19.424 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064128.D
 Acq: 31 Oct 2019 13:03

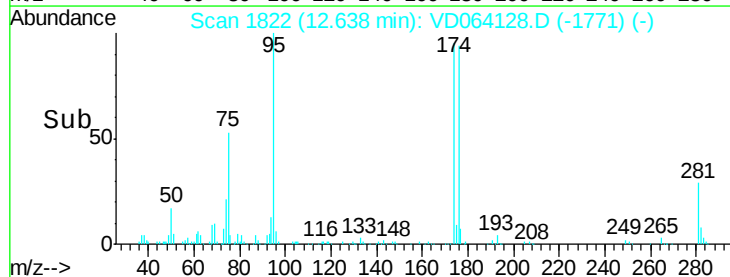
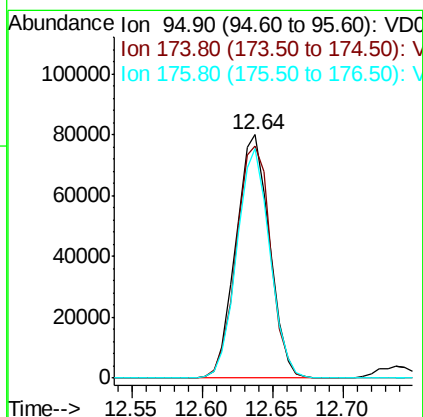
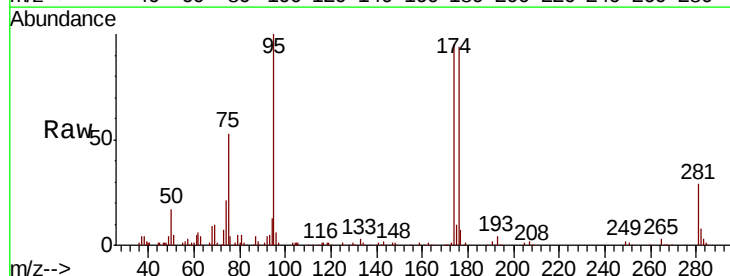
Instrument :
 MSVOA_D
 ClientSampleId :

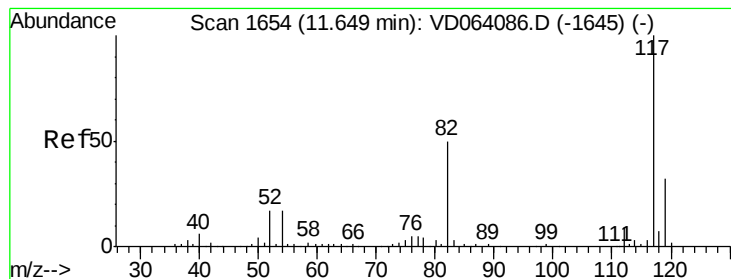
Tot Ion: 107 Resp: 32269
 Ion Ratio Lower Upper
 107 100
 109 92.2 73.0 109.4



#62
 4-Bromofluorobenzene
 Concen: 49.831 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064128.D
 Acq: 31 Oct 2019 13:03

Tgt Ion: 95 Resp: 133521
 Ion Ratio Lower Upper
 95 100
 174 97.4 0.0 201.6
 176 92.3 0.0 192.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

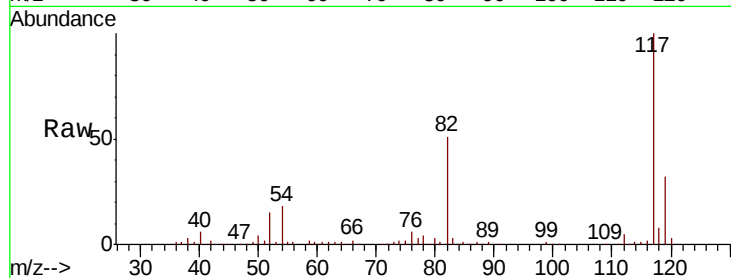
Tot Ion:117 Resp: 319151

Ion Ratio Lower Upper

117 100

82 51.4 40.2 60.4

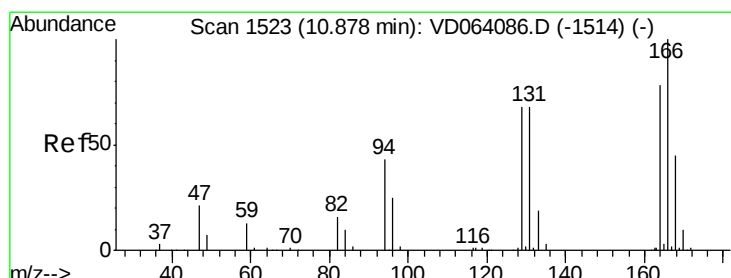
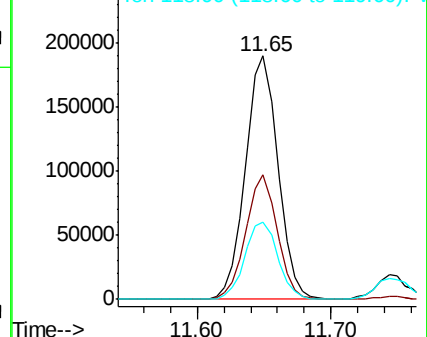
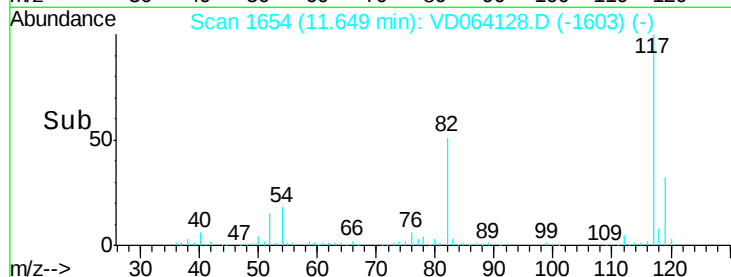
119 31.8 26.0 39.0



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: 20.298 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Tgt Ion:164 Resp: 46540

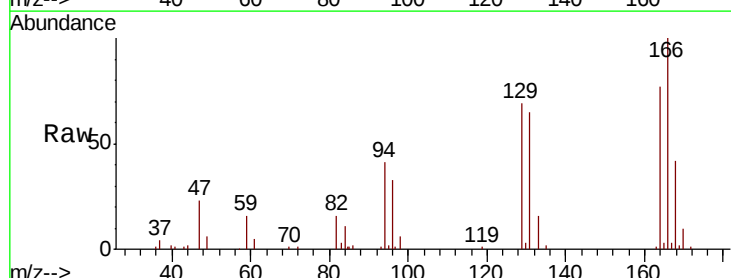
Ion Ratio Lower Upper

164 100

166 129.2 102.7 154.1

129 88.7 69.8 104.6

131 83.8 69.4 104.0

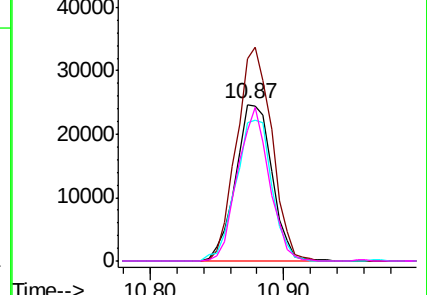
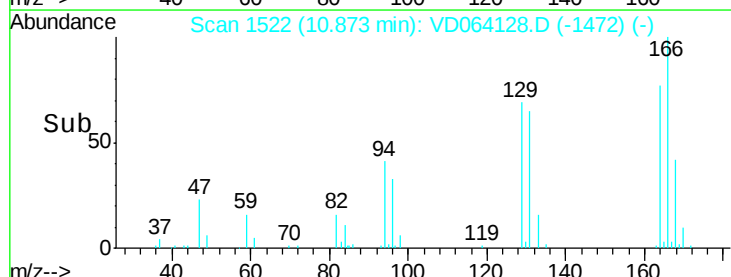


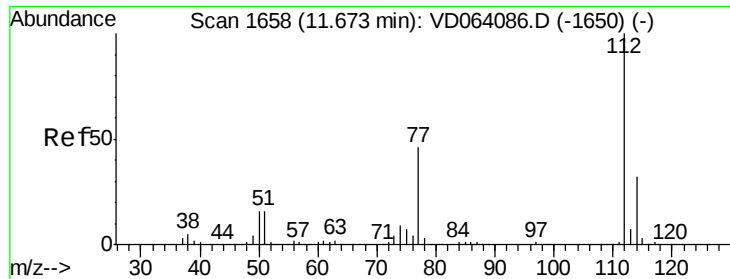
Abundance Ion 163.80 (163.50 to 164.50): V

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: 19.531 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

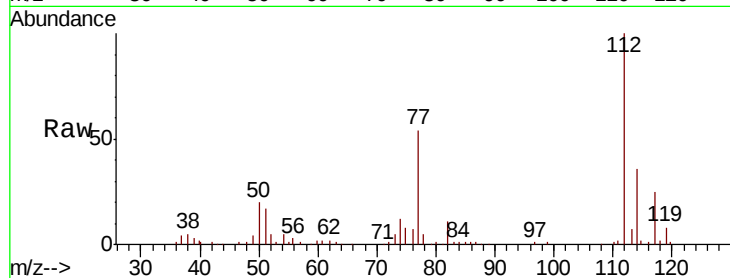
ClientSampleId :

Tot Ion:112 Resp: 128794

Ion Ratio Lower Upper

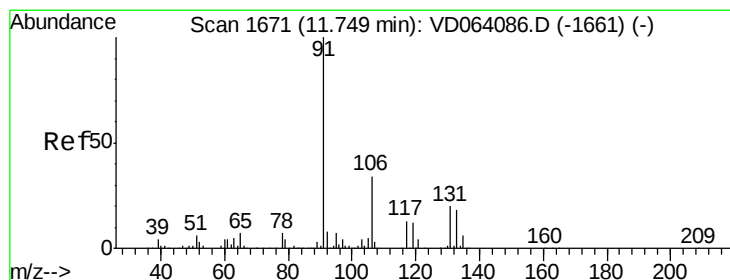
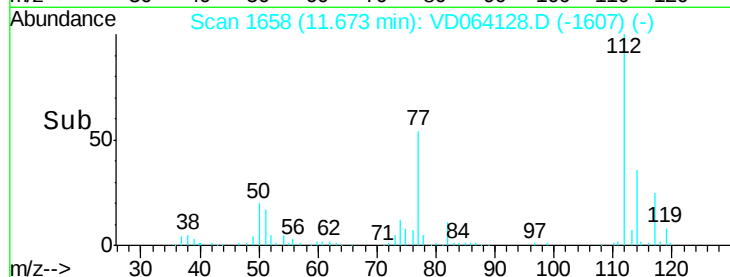
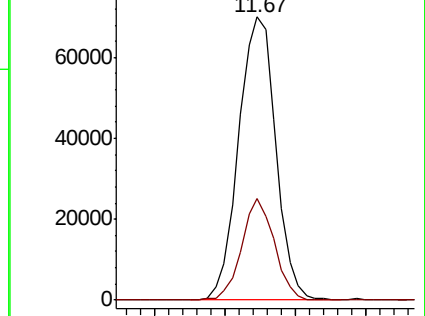
112 100

114 36.1 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.384 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

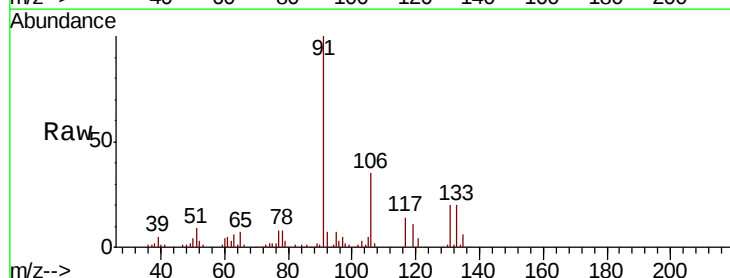
Tgt Ion:131 Resp: 47829

Ion Ratio Lower Upper

131 100

133 94.6 47.6 142.9

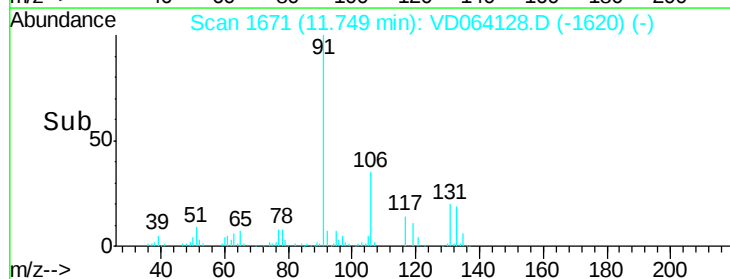
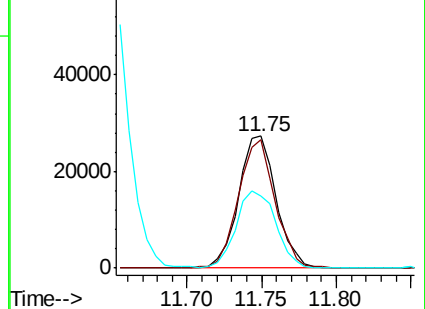
119 62.0 31.4 94.3

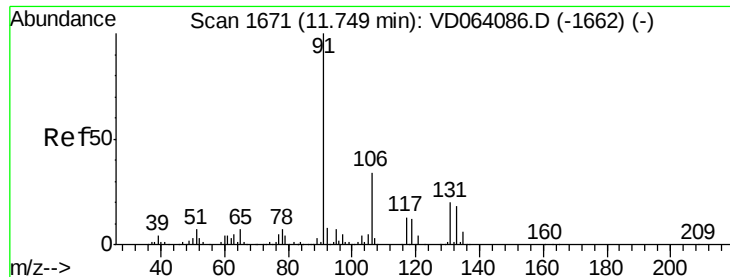


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.387 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

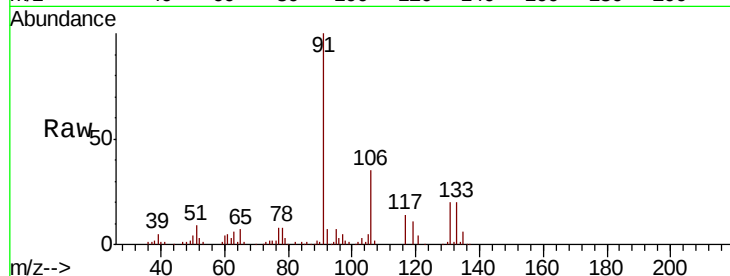
ClientSampleId :

Tot Ion: 91 Resp: 227398

Ion Ratio Lower Upper

91 100

106 34.7 27.0 40.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

200000

150000

100000

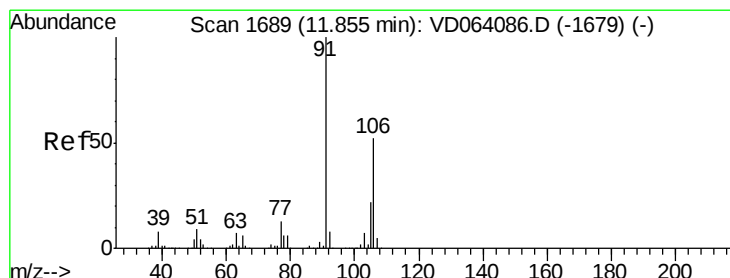
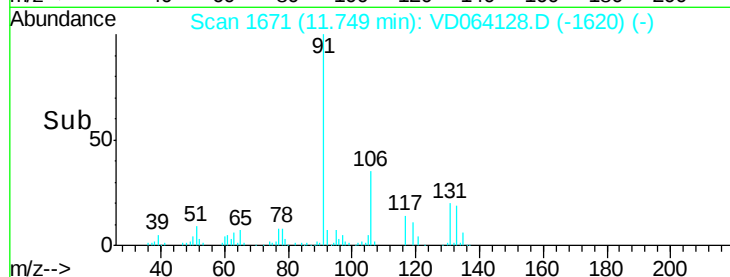
50000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 39.293 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064128.D

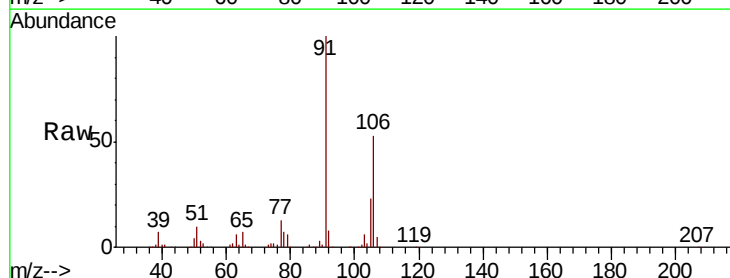
Acq: 31 Oct 2019 13:03

Tgt Ion: 106 Resp: 185375

Ion Ratio Lower Upper

106 100

91 189.5 154.0 231.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

100000

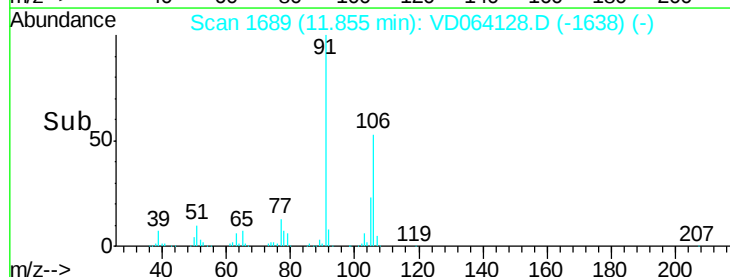
50000

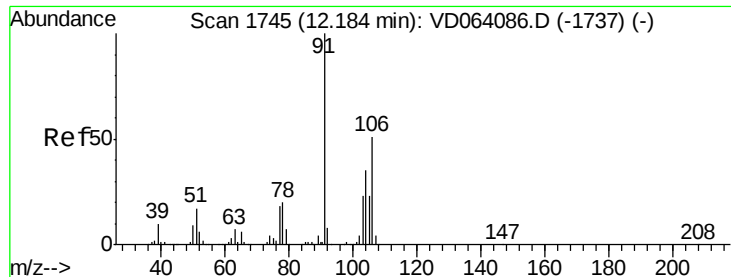
0

11.86

11.90

Time-->

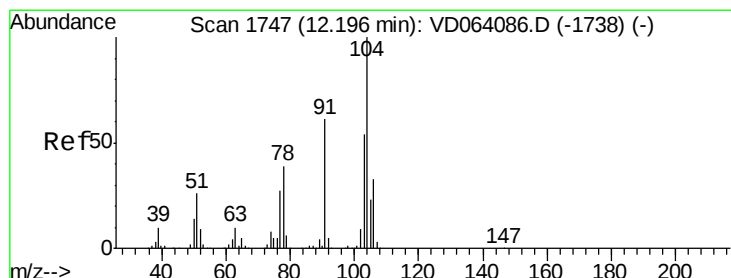
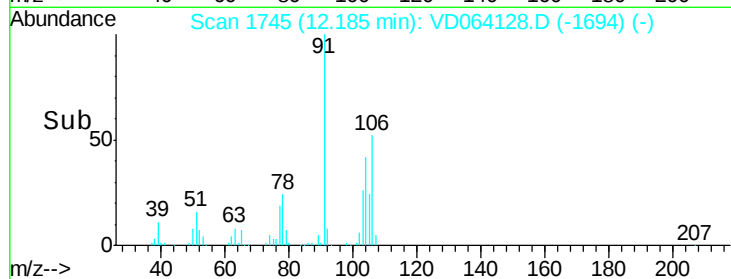
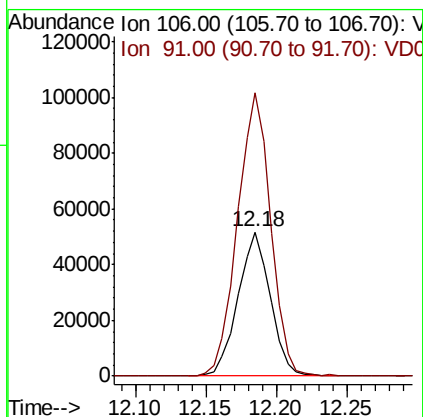
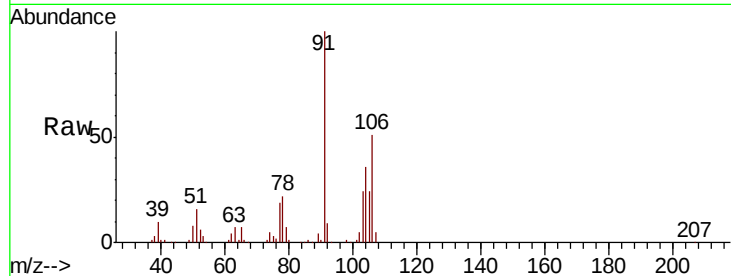




#69
o-Xylene
Concen: 19.226 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

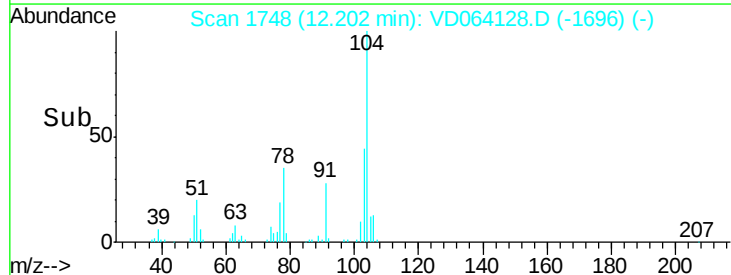
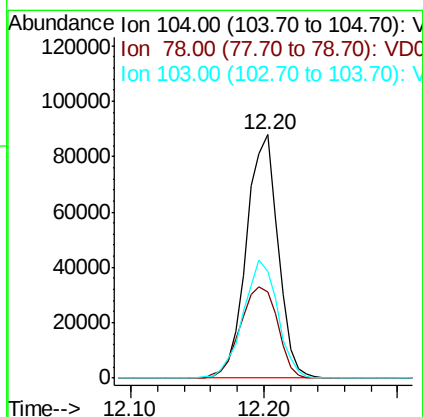
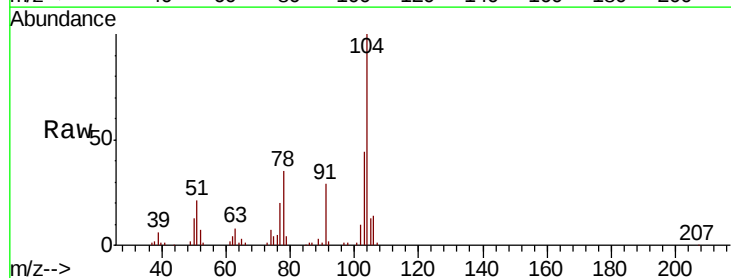
Instrument :
MSVOA_D
ClientSampled :

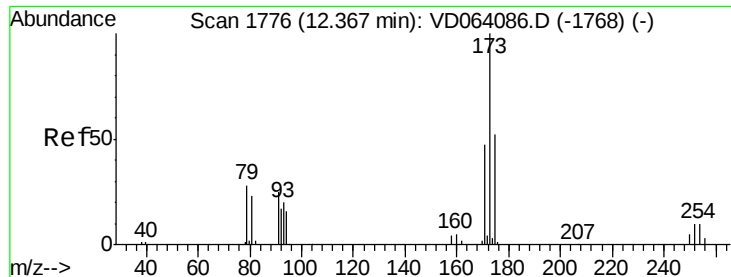
Tot Ion:106 Resp: 82779
Ion Ratio Lower Upper
106 100
91 201.3 100.6 301.9



#70
Styrene
Concen: 19.282 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion:104 Resp: 143187
Ion Ratio Lower Upper
104 100
78 44.7 34.6 51.8
103 53.1 44.2 66.2

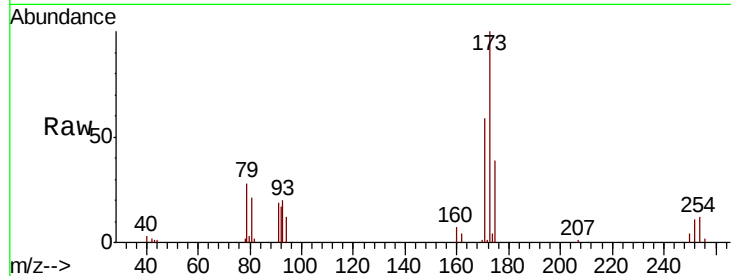




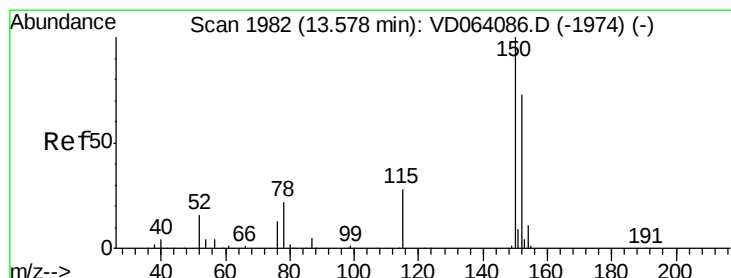
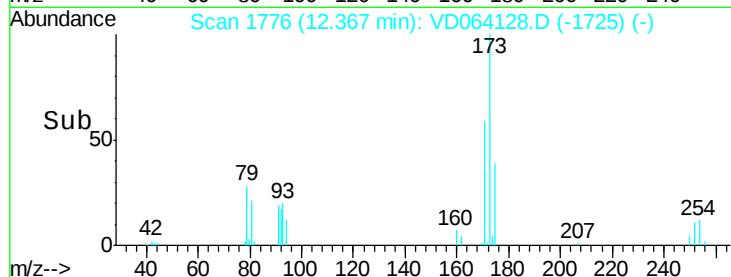
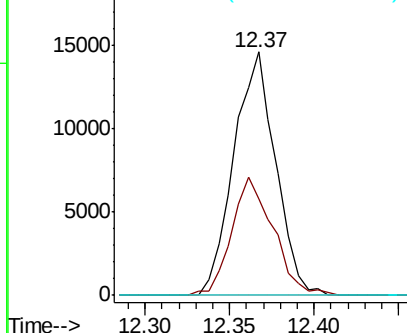
#71
Bromoform
Concen: 19.055 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 25111
Ion Ratio Lower Upper
173 100
175 48.2 24.3 72.9
254 0.0 0.0 0.0

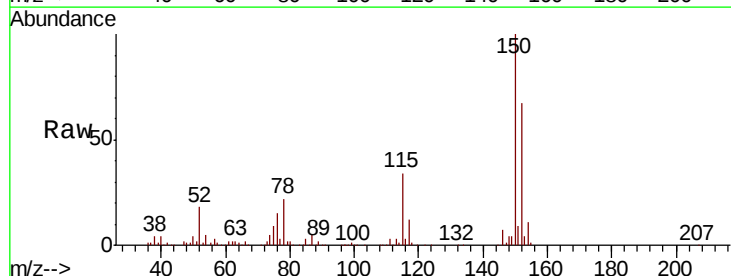


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

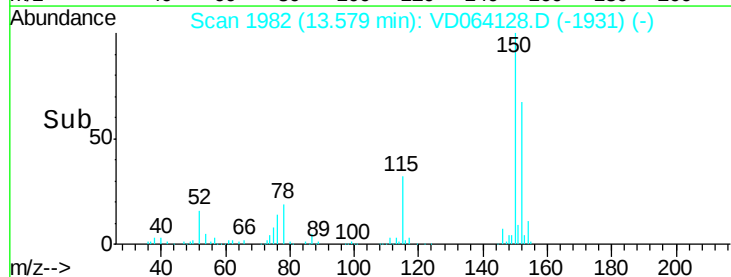
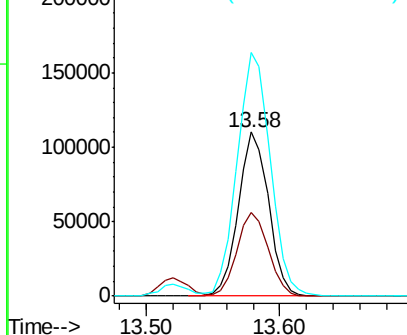


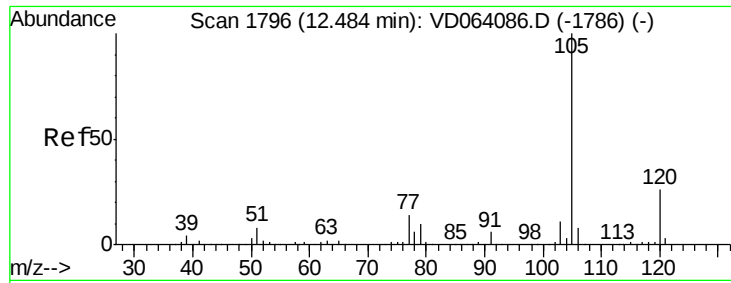
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion:152 Resp: 171758
Ion Ratio Lower Upper
152 100
115 52.9 26.2 78.6
150 163.6 0.0 338.8



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





#73

Isopropylbenzene

Concen: 18.902 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

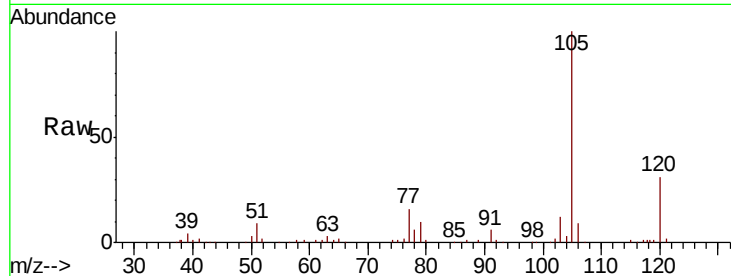
ClientSampled :

Tot Ion:105 Resp: 225605

Ion Ratio Lower Upper

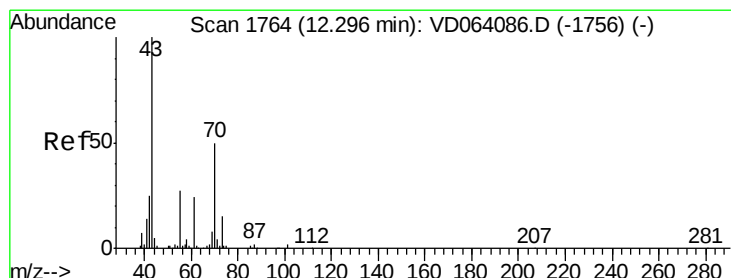
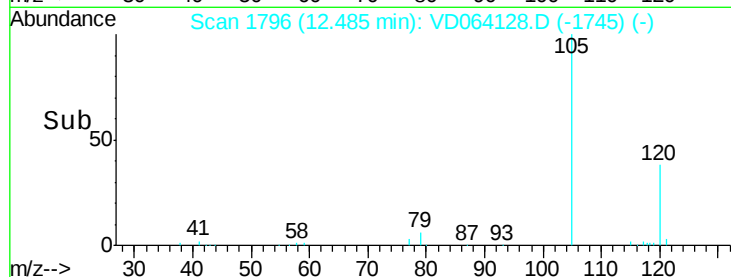
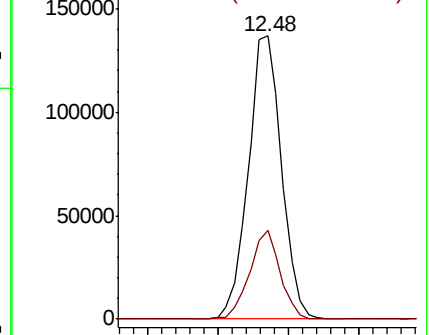
105 100

120 28.9 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.207 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Tgt Ion: 43 Resp: 38085

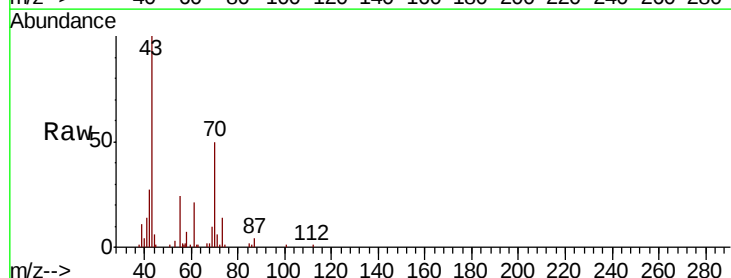
Ion Ratio Lower Upper

43 100

70 48.1 38.6 58.0

55 25.1 20.4 30.6

61 24.5 20.8 31.2

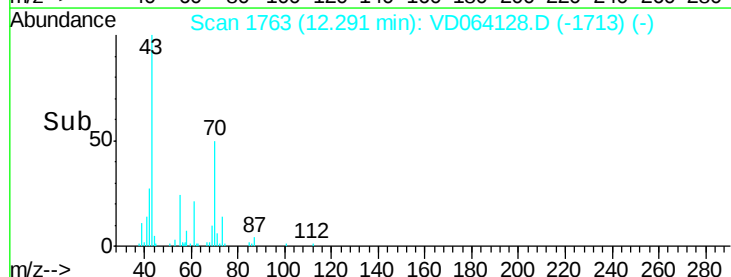
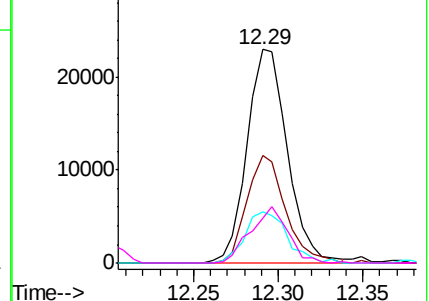


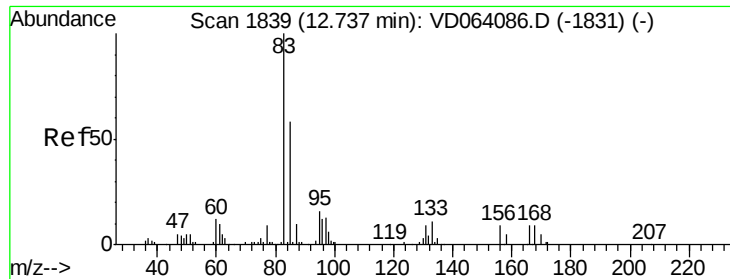
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.099 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

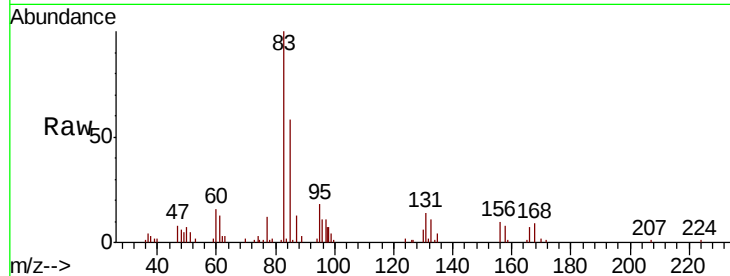
Tot Ion: 83 Resp: 35930

Ion Ratio Lower Upper

83 100

131 13.9 5.7 17.0

85 62.8 32.1 96.5



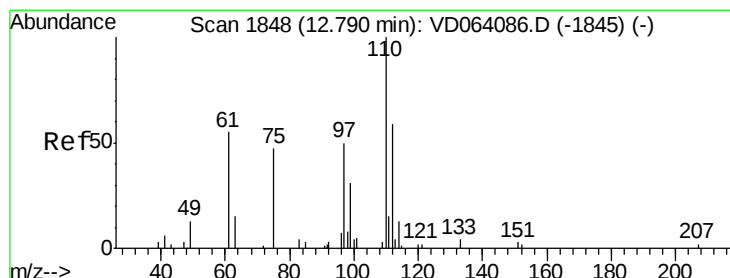
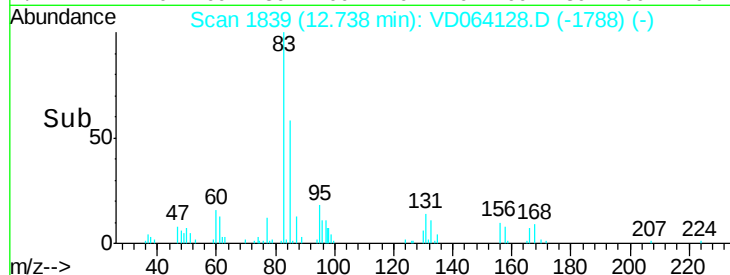
Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC

12.74

Time--> 12.65 12.70 12.75



#76

1,2,3-Trichloropropane

Concen: 40.015 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064128.D

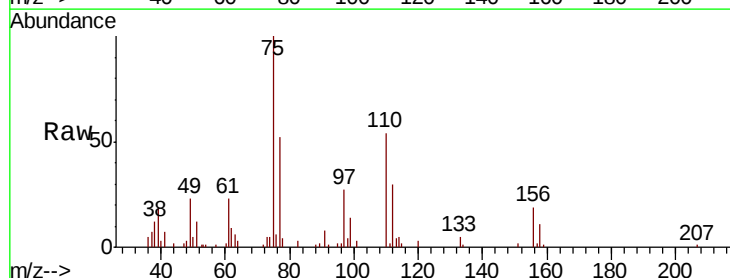
Acq: 31 Oct 2019 13:03

Tgt Ion: 75 Resp: 46182

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

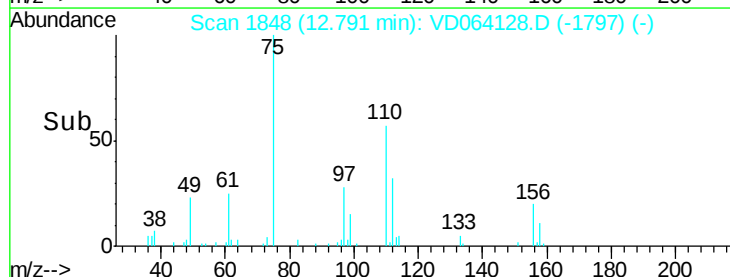


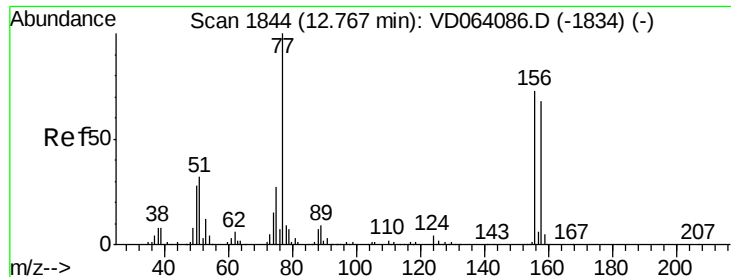
Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.79

Time--> 12.70 12.80





#77

Bromobenzene

Concen: 19.687 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

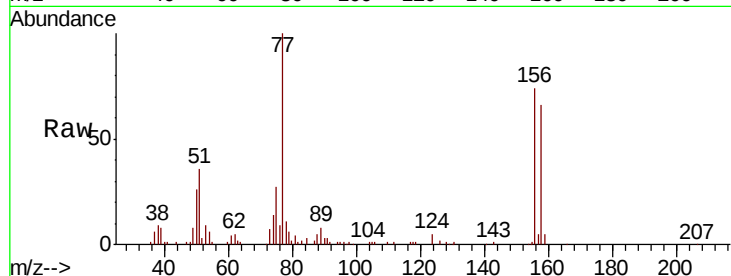
Tot Ion:156 Resp: 56733

Ion Ratio Lower Upper

156 100

77 151.1 76.0 228.0

158 99.3 47.6 142.8



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

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

12.76

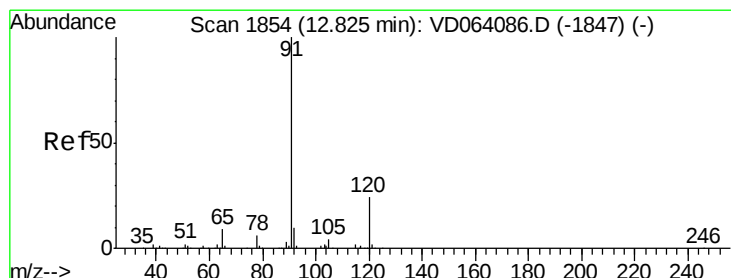
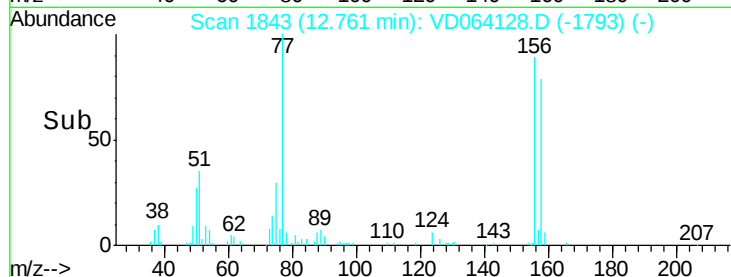
12.76

12.76

12.76

12.76

12.76



#78

n-propylbenzene

Concen: 19.445 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064128.D

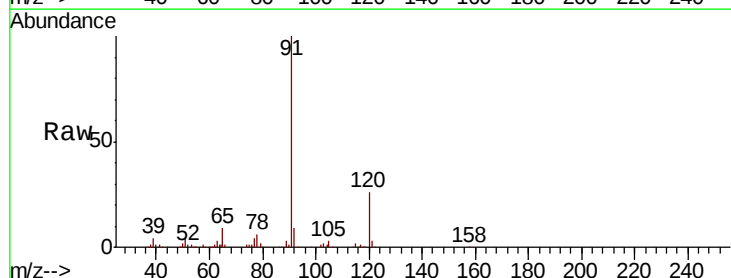
Acq: 31 Oct 2019 13:03

Tgt Ion: 91 Resp: 271973

Ion Ratio Lower Upper

91 100

120 25.3 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

12.83

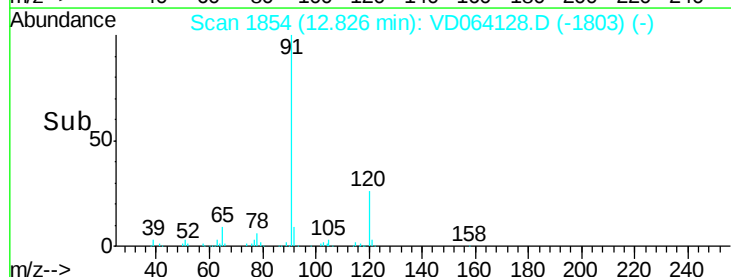
12.83

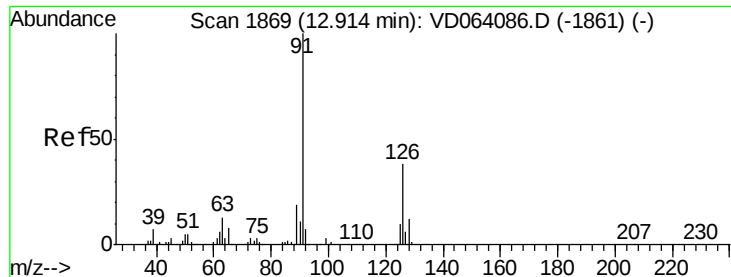
12.83

12.83

12.83

12.83





#79

2-Chlorotoluene

Concen: 20.041 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

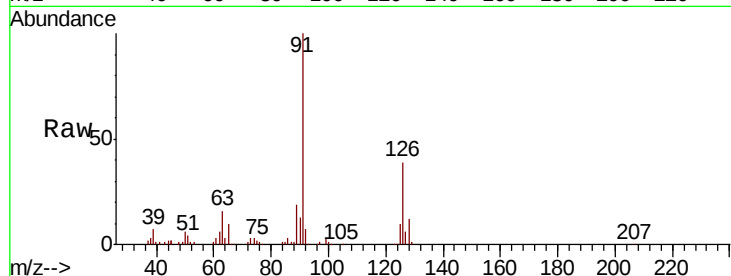
ClientSampled :

Tot Ion: 91 Resp: 150262

Ion Ratio Lower Upper

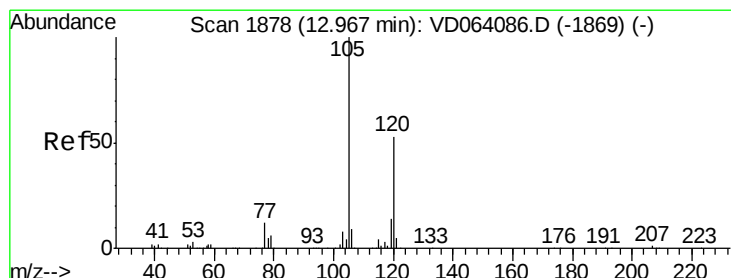
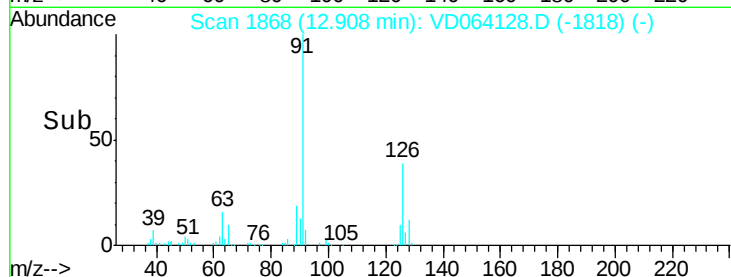
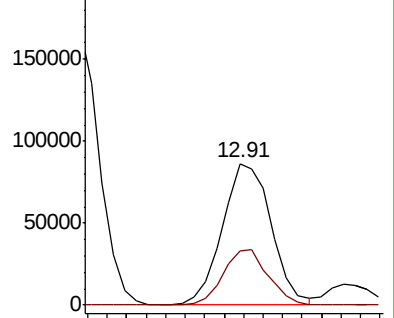
91 100

126 36.2 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.562 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD064128.D

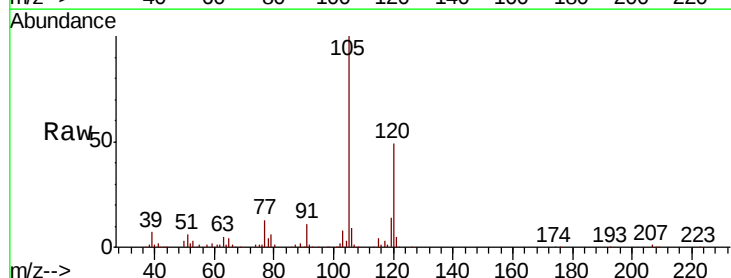
Acq: 31 Oct 2019 13:03

Tgt Ion:105 Resp: 195404

Ion Ratio Lower Upper

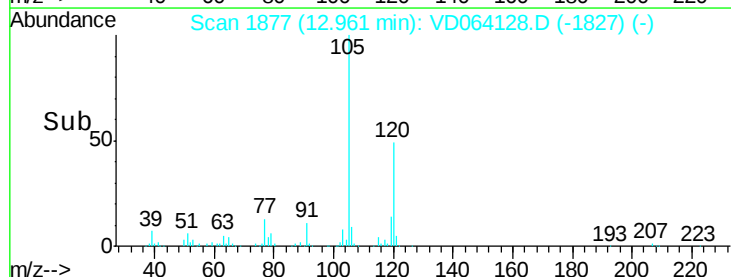
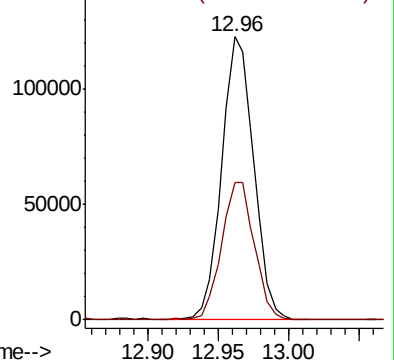
105 100

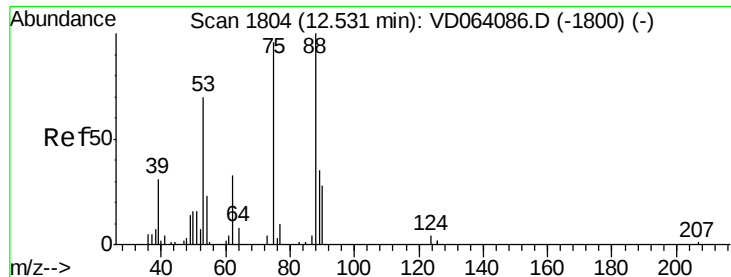
120 49.9 25.8 77.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.113 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

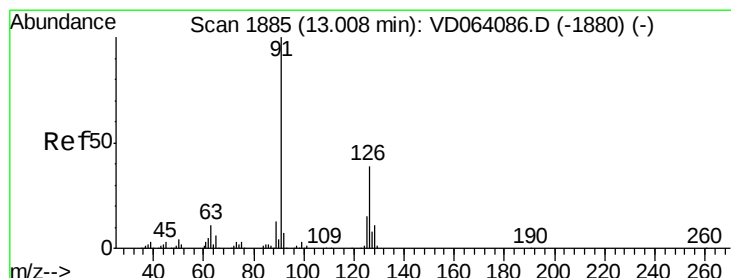
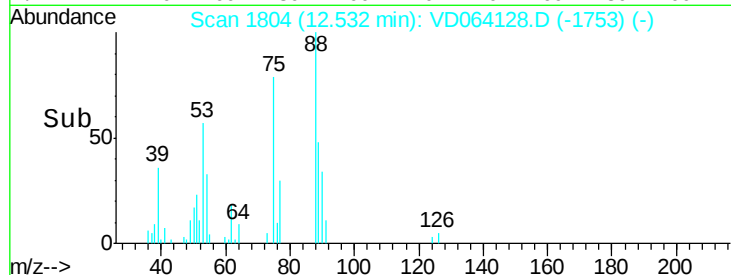
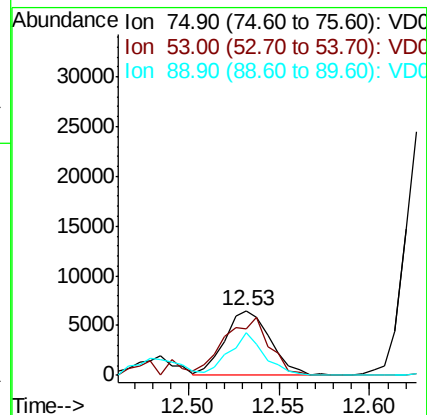
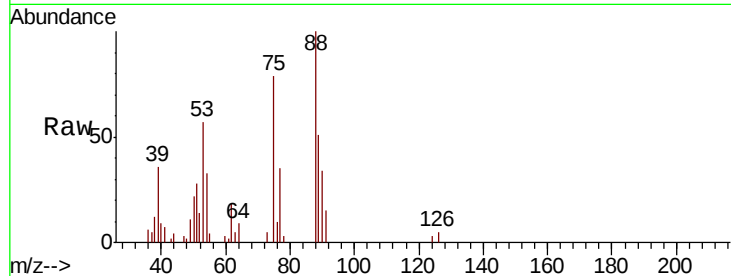
Tot Ion: 75 Resp: 11366

Ion Ratio Lower Upper

75 100

53 86.9 68.6 103.0

89 50.6 36.9 55.3



#82

4-Chlorotoluene

Concen: 19.381 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD064128.D

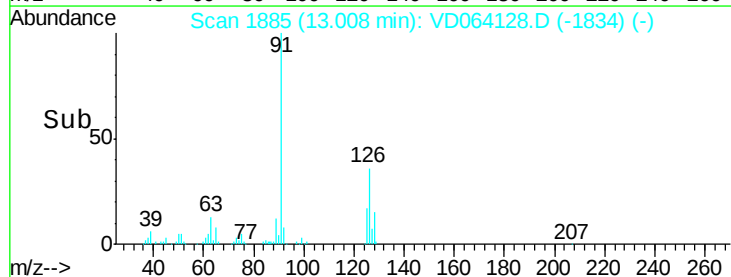
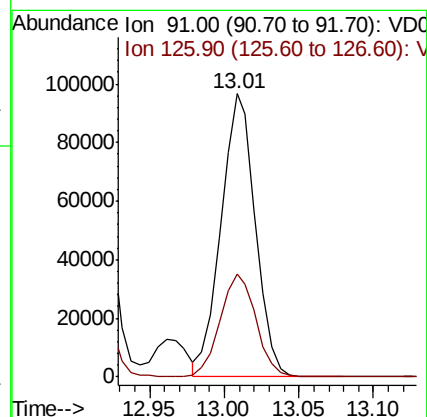
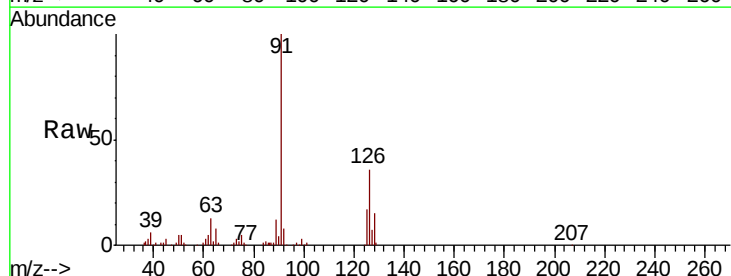
Acq: 31 Oct 2019 13:03

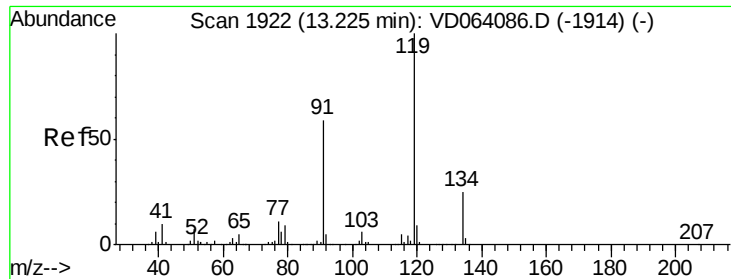
Tgt Ion: 91 Resp: 155269

Ion Ratio Lower Upper

91 100

126 38.0 18.9 56.5

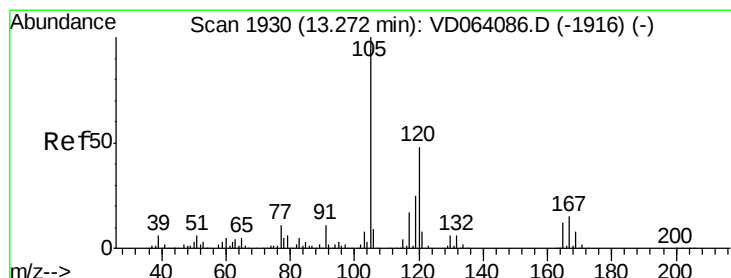
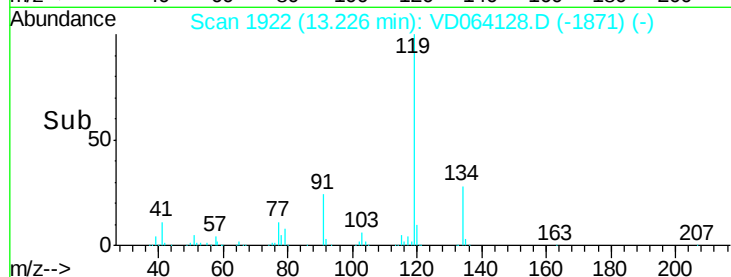
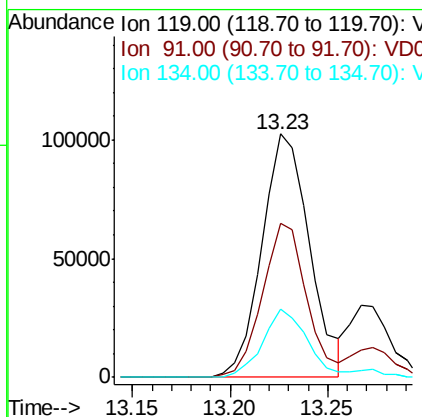
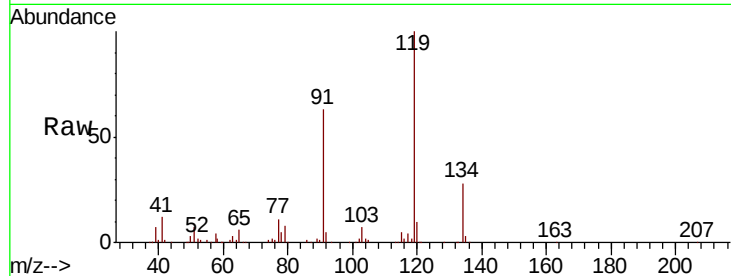




#83
tert-Butylbenzene
Concen: 19.370 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

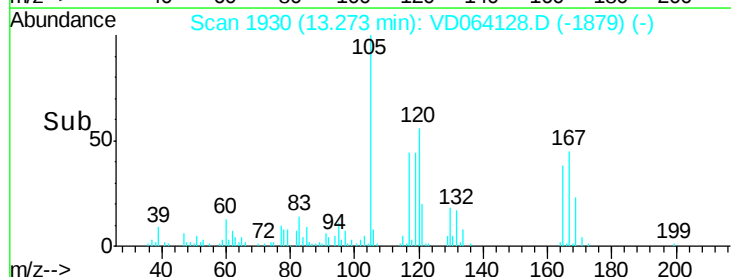
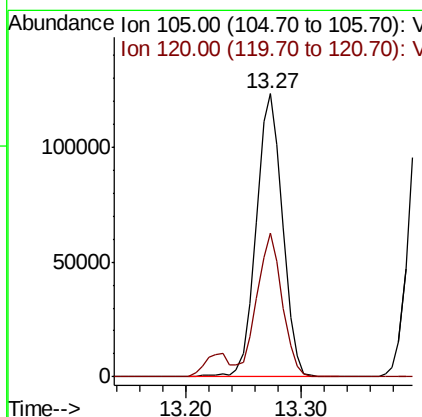
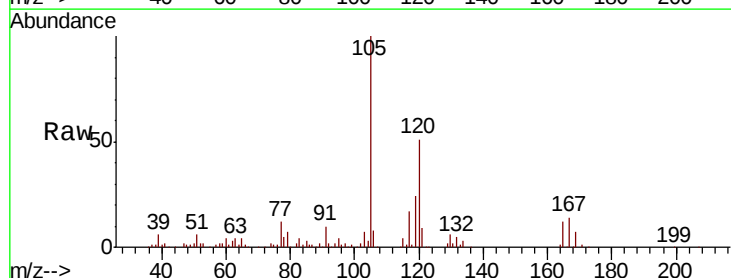
Instrument :
MSVOA_D
ClientSampled :

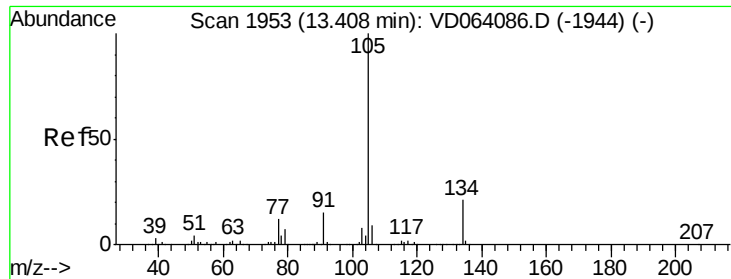
Tot Ion:119 Resp: 173783
Ion Ratio Lower Upper
119 100
91 58.6 28.3 85.0
134 26.2 12.9 38.6



#84
1,2,4-Trimethylbenzene
Concen: 19.485 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion:105 Resp: 195529
Ion Ratio Lower Upper
105 100
120 49.2 24.1 72.4





#85

sec-Butylbenzene

Concen: 19.203 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

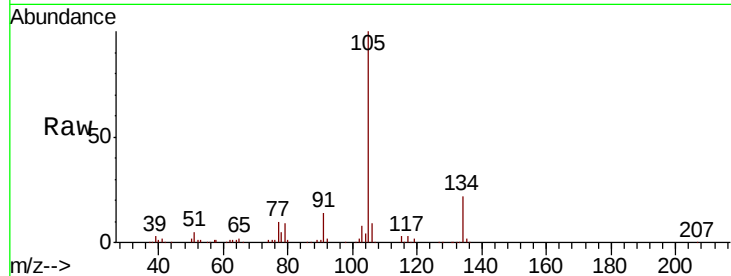
ClientSampleId :

Tot Ion:105 Resp: 236602

Ion Ratio Lower Upper

105 100

134 22.1 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

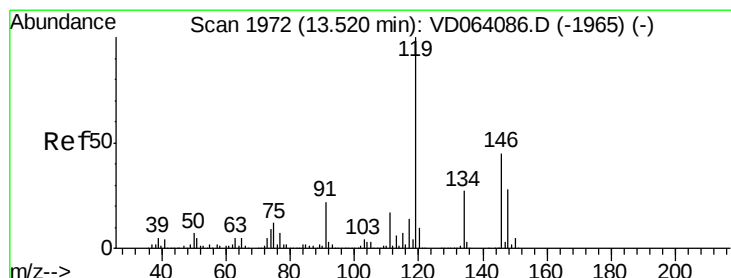
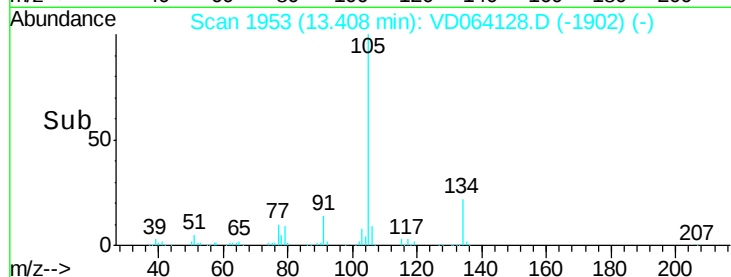
100000

50000

0

13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 19.493 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

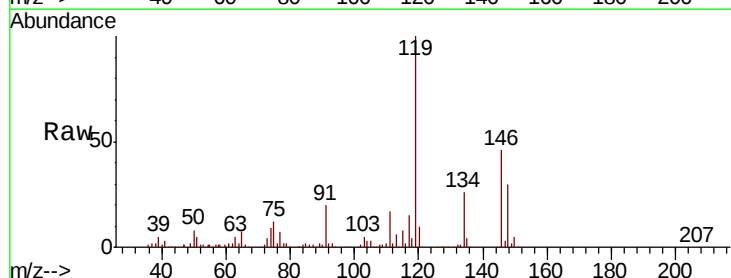
Tgt Ion:119 Resp: 225660

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

91 22.2 10.9 32.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

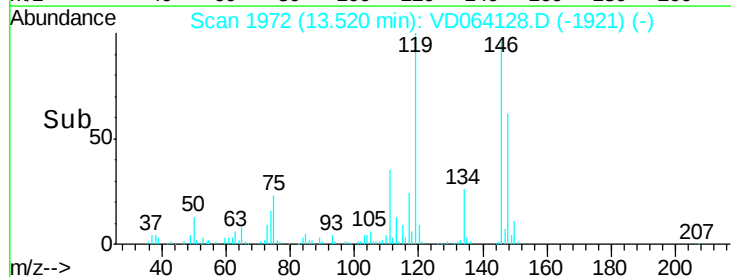
100000

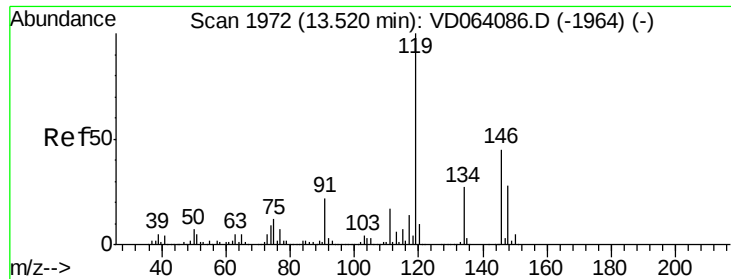
50000

0

13.45 13.50 13.55 13.60

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.905 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

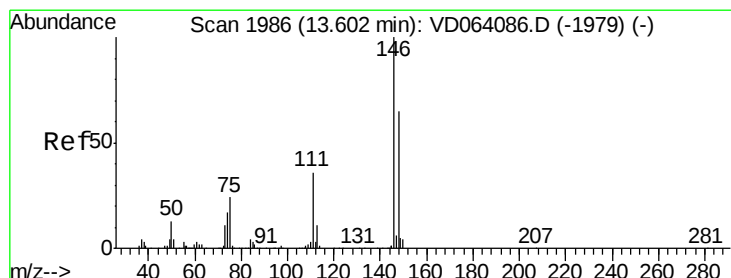
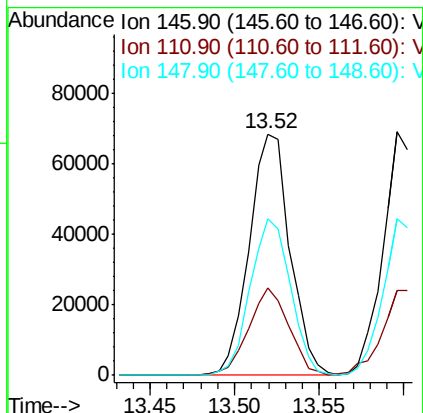
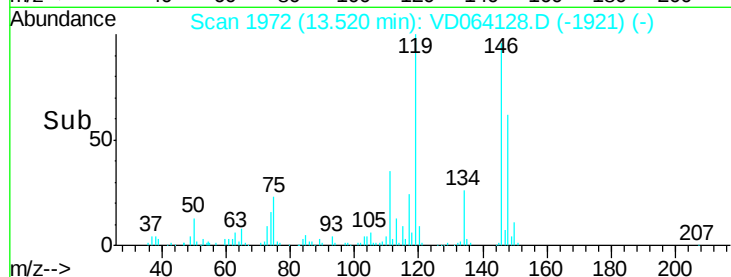
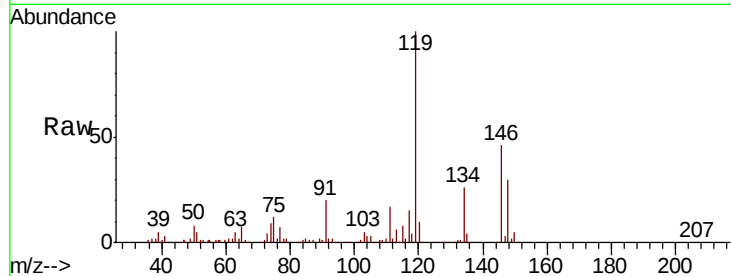
Tot Ion:146 Resp: 114950

Ion Ratio Lower Upper

146 100

111 35.7 18.9 56.9

148 63.7 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 19.871 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

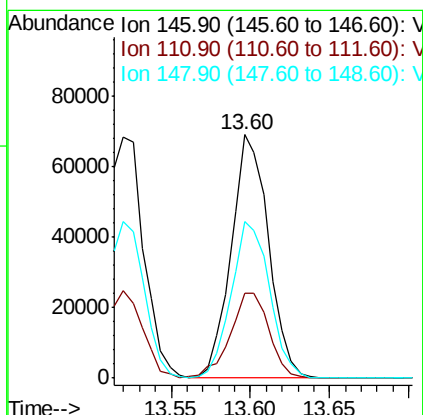
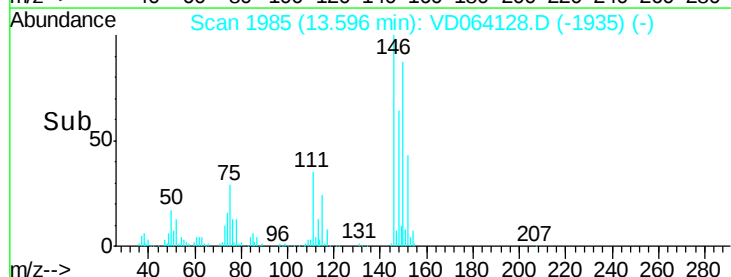
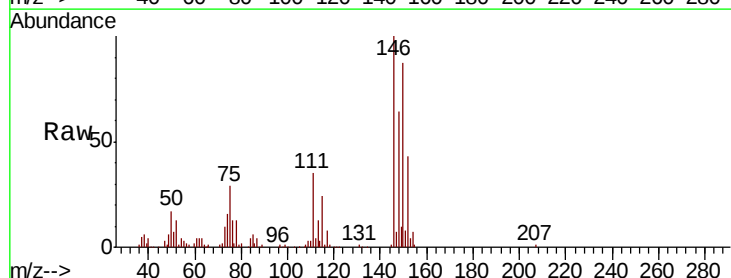
Tgt Ion:146 Resp: 113122

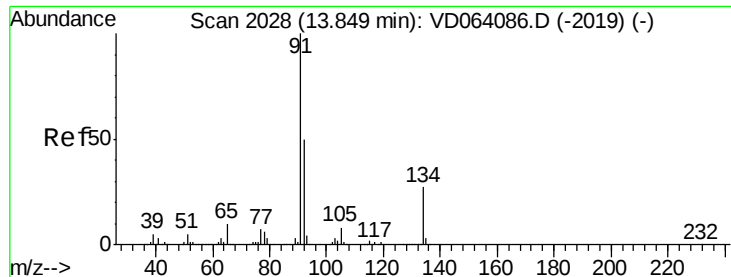
Ion Ratio Lower Upper

146 100

111 36.6 18.4 55.4

148 66.1 32.4 97.0

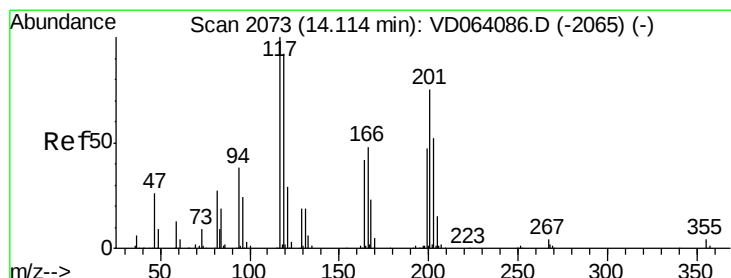
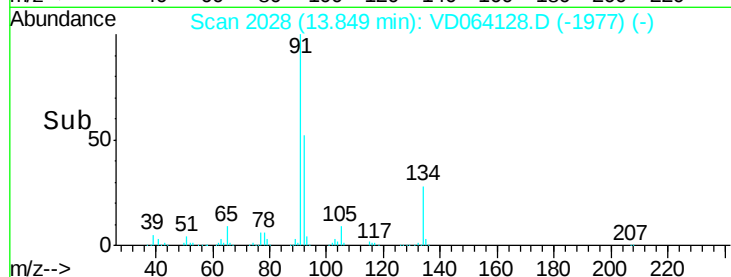
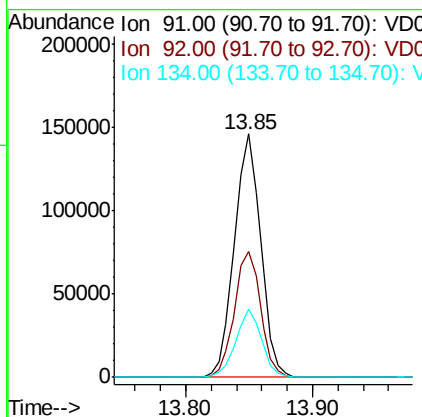
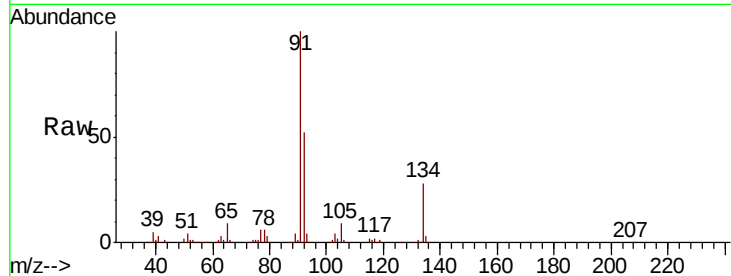




#89
n-Butylbenzene
Concen: 19.601 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

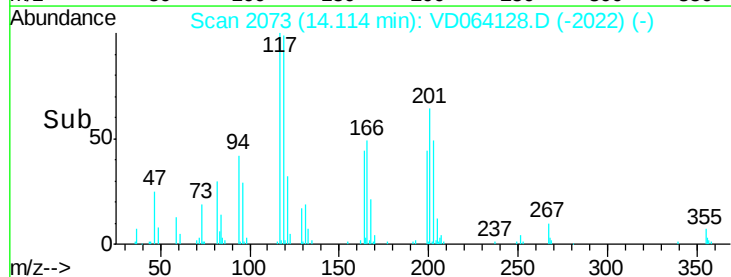
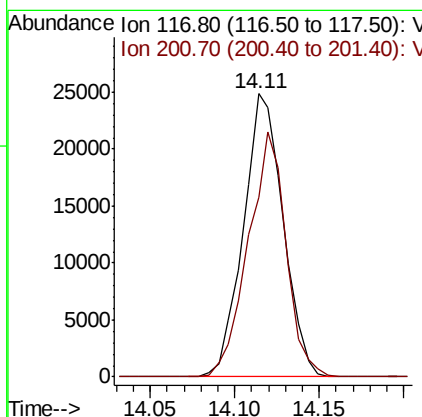
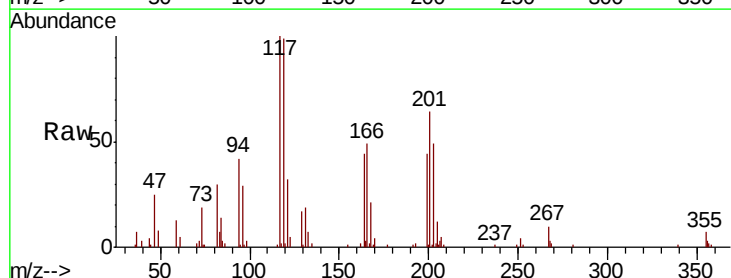
Instrument :
MSVOA_D
ClientSampleId :

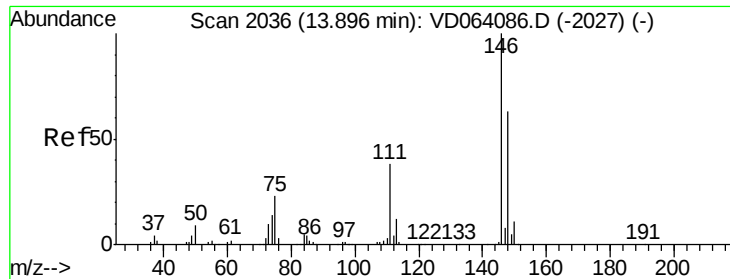
Tot Ion: 91 Resp: 209288
Ion Ratio Lower Upper
91 100
92 51.4 25.6 76.6
134 27.5 14.0 42.0



#90
Hexachloroethane
Concen: 18.754 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion: 117 Resp: 40647
Ion Ratio Lower Upper
117 100
201 82.0 38.4 115.2

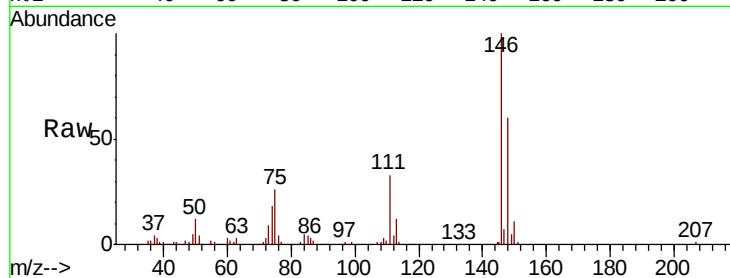




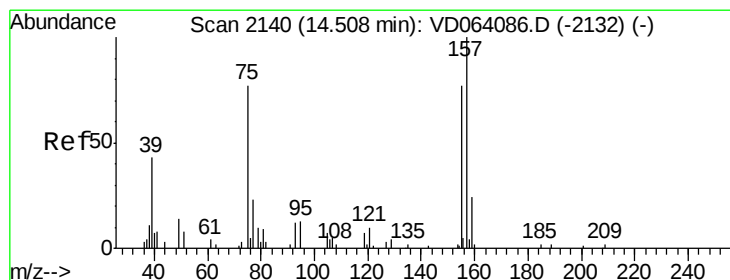
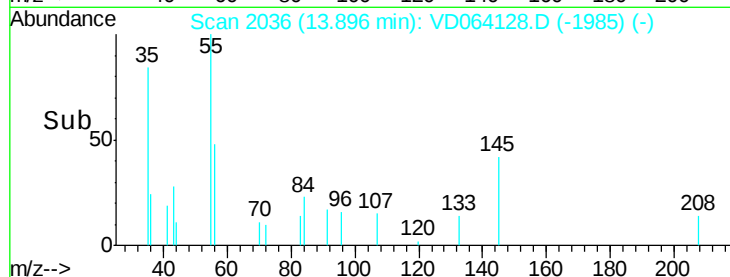
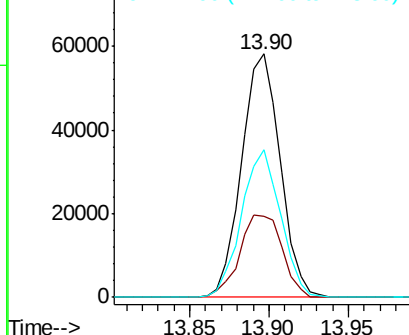
#91
 1,2-Dichlorobenzene
 Concen: 19.869 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064128.D
 Acq: 31 Oct 2019 13:03

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 98749
 Ion Ratio Lower Upper
 146 100
 111 37.2 19.1 57.1
 148 61.2 32.1 96.5

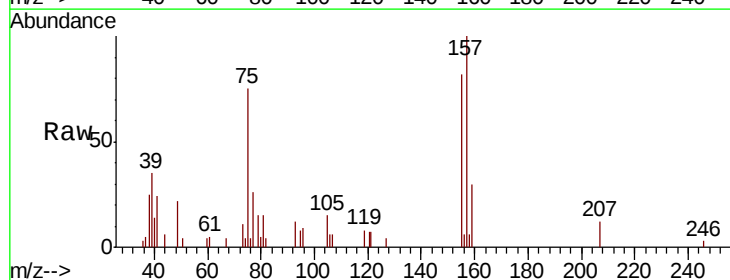


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

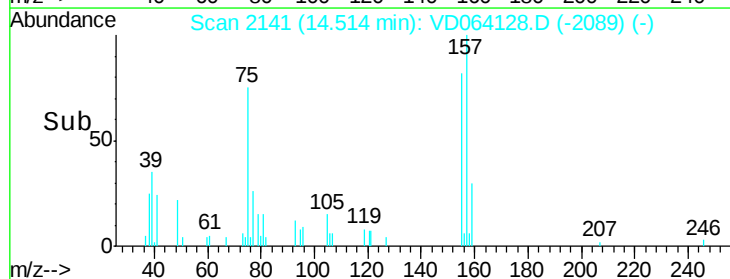
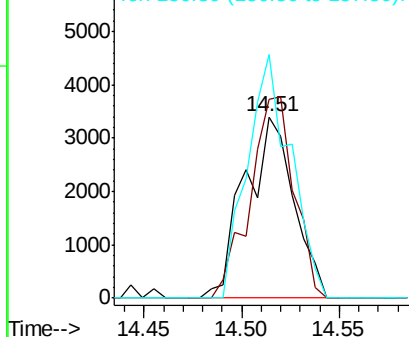


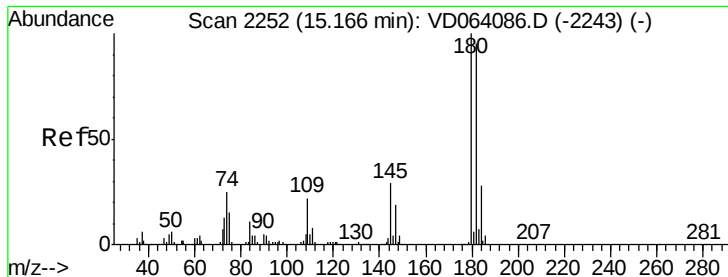
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.521 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD064128.D
 Acq: 31 Oct 2019 13:03

Tgt Ion: 75 Resp: 5913
 Ion Ratio Lower Upper
 75 100
 155 99.9 56.3 168.9
 157 118.6 72.2 216.6



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

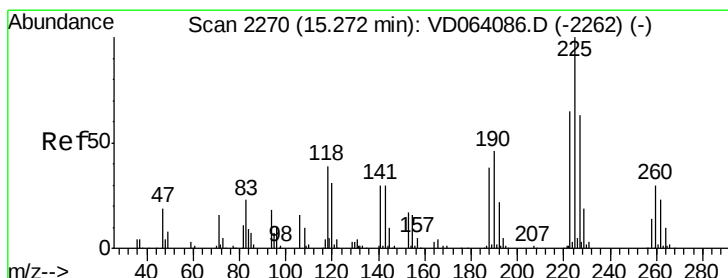
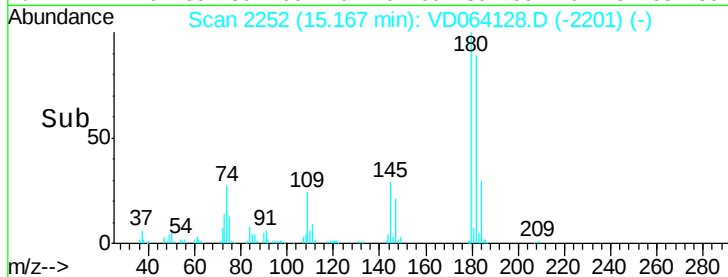
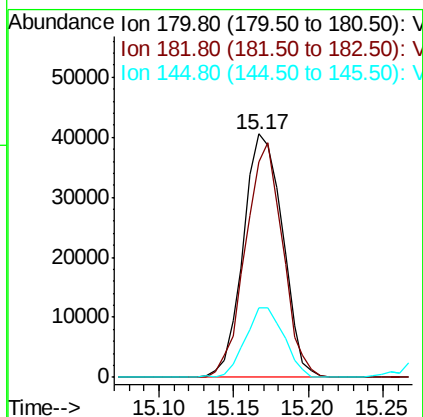
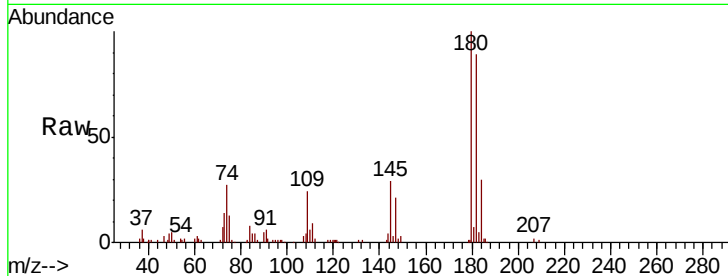




#93
 1,2,4-Trichlorobenzene
 Concen: 20.676 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD064128.D
 Acq: 31 Oct 2019 13:03

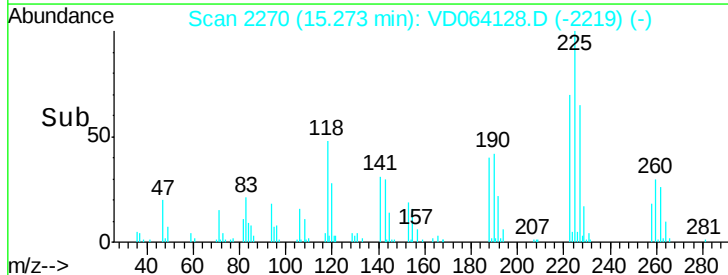
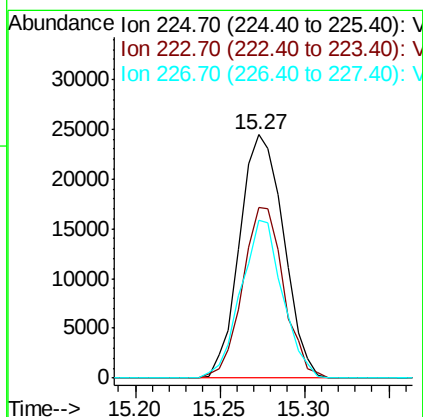
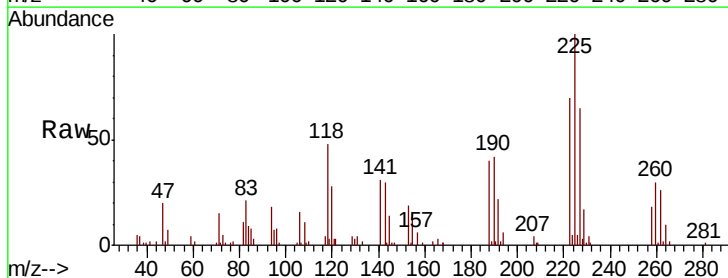
Instrument :
 MSVOA_D
 ClientSampleId :

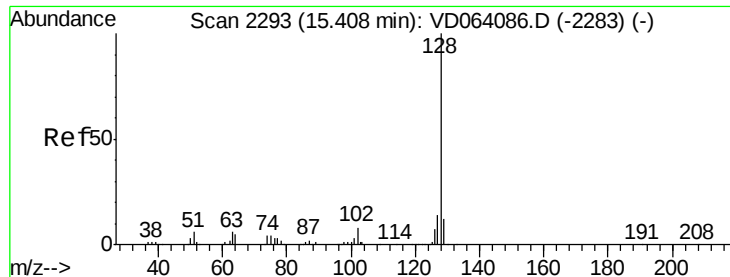
Tot Ion:180 Resp: 73866
 Ion Ratio Lower Upper
 180 100
 182 91.1 46.9 140.7
 145 28.1 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 21.216 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD064128.D
 Acq: 31 Oct 2019 13:03

Tgt Ion:225 Resp: 44298
 Ion Ratio Lower Upper
 225 100
 223 65.8 30.8 92.3
 227 61.7 31.7 95.1





#95

Naphthalene

Concen: 19.555 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

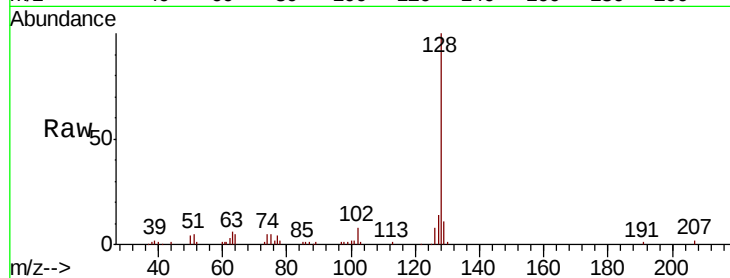
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:128 Resp: 113932

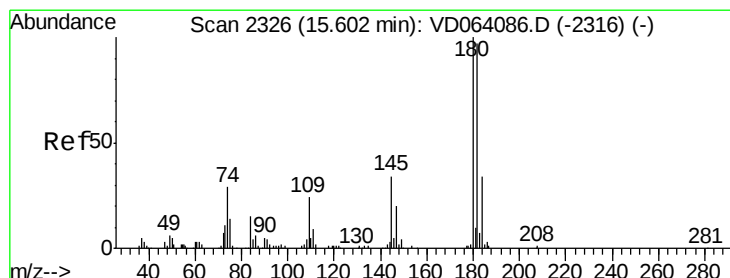
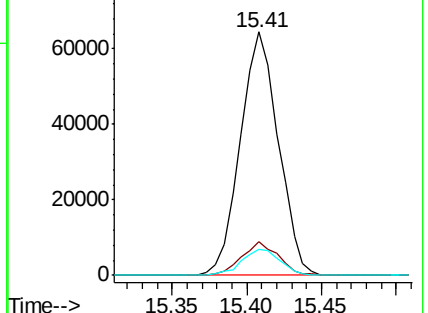
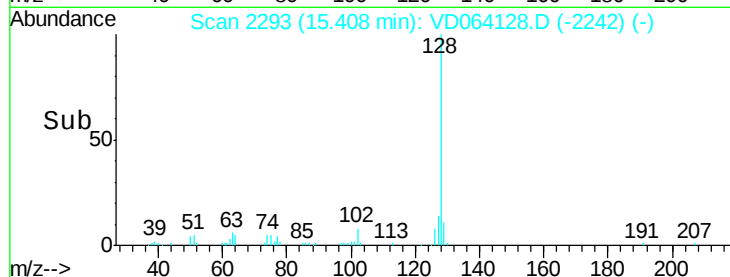
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.9	16.3
129	10.8	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.341 ug/l

RT: 15.60 min Scan# 2326

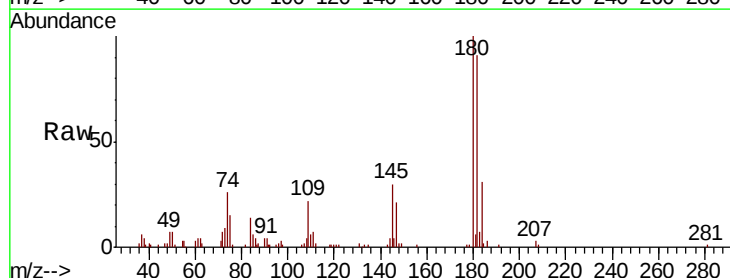
Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Tgt Ion:180 Resp: 62945

Ion	Ratio	Lower	Upper
180	100		
182	93.4	48.4	145.0
145	33.9	16.4	49.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

