

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110819\
 Data File : VD064158.D
 Acq On : 08 Nov 2019 15:30
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Nov 08 15:49:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 08 15:32:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	938247	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1323038	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1139291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	572126	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	790330	103.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.92%	
35) Dibromofluoromethane	7.92	113	781358	96.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.78%	
50) Toluene-d8	10.34	98	2998296	92.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	185.94%	
62) 4-Bromofluorobenzene	12.64	95	1012342	94.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	765736	82.010	ug/l	100
3) Chloromethane	2.21	50	774932	52.395	ug/l	100
4) Vinyl Chloride	2.36	62	874914	54.768	ug/l	98
5) Bromomethane	2.76	94	548359	53.072	ug/l	96
6) Chloroethane	2.93	64	553971	55.600	ug/l	99
7) Trichlorofluoromethane	3.27	101	1423653	63.699	ug/l	98
8) Diethyl Ether	3.71	74	380195	91.159	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	795403	92.774	ug/l	99
10) Methyl Iodide	4.30	142	976525	93.793	ug/l	100
11) Tert butyl alcohol	5.26	59	264257	624.739	ug/l	100
12) 1,1-Dichloroethene	4.06	96	759888	92.995	ug/l	96
13) Acrolein	3.93	56	247722	509.909	ug/l	99
14) Allyl chloride	4.71	41	1340101	129.270	ug/l	99
15) Acrylonitrile	5.44	53	825057	528.264	ug/l	99
16) Acetone	4.17	43	928962	627.693	ug/l	99
17) Carbon Disulfide	4.40	76	2417979	96.215	ug/l	100
18) Methyl Acetate	4.73	43	479843	119.764	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	1844081	108.231	ug/l	96
20) Methylene Chloride	4.97	84	797113	78.949	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	859199	93.847	ug/l	99
22) Diisopropyl ether	6.37	45	2513626	114.190	ug/l	96
23) Vinyl Acetate	6.31	43	7245200	598.309	ug/l	99
24) 1,1-Dichloroethane	6.27	63	1445591	99.805	ug/l	100
25) 2-Butanone	7.23	43	1160027	570.999	ug/l	99
26) 2,2-Dichloropropane	7.21	77	1398694	101.289	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	937869	92.240	ug/l	97
28) Bromochloromethane	7.55	49	570875	109.599	ug/l	99
29) Tetrahydrofuran	7.57	42	693581	580.319	ug/l	99
30) Chloroform	7.71	83	1477031	90.622	ug/l	100
31) Cyclohexane	7.98	56	1397068	98.531	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	1423419	93.643	ug/l	100
36) 1,1-Dichloropropene	8.11	75	1200804	96.277	ug/l	99
37) Ethyl Acetate	7.30	43	500242	124.209	ug/l	99
38) Carbon Tetrachloride	8.10	117	1308812	96.993	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1527585	100.799	ug/l	99
40) Benzene	8.36	78	3274199	96.742	ug/l	97
41) Methacrylonitrile	7.53	41	284903	118.114	ug/l	92
42) 1,2-Dichloroethane	8.43	62	979872	107.812	ug/l	99
43) Isopropyl Acetate	8.46	43	1042165	126.674	ug/l	100
44) Trichloroethene	9.11	130	975659	95.559	ug/l	99
45) 1,2-Dichloropropane	9.39	63	791255	99.831	ug/l	96
46) Dibromomethane	9.48	93	424655	91.263	ug/l	99
47) Bromodichloromethane	9.67	83	1141241	96.356	ug/l	99
48) Methyl methacrylate	9.46	41	490167	128.385	ug/l	100
49) 1,4-Dioxane	9.47	88	101243	1927.015	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	2490743	576.216	ug/l	100
52) Toluene	10.41	92	2171090	92.895	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	1161209	104.229	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	1349663	102.647	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	582419	89.077	ug/l	98
56) Ethyl methacrylate	10.66	69	808397	109.709	ug/l	99
57) 1,3-Dichloropropane	10.95	76	1015017	93.053	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	1636346	543.797	ug/l	99
59) 2-Hexanone	10.99	43	1793910	585.765	ug/l	99
60) Dibromochloromethane	11.14	129	812197	91.301	ug/l	100
61) 1,2-Dibromoethane	11.25	107	585771	89.857	ug/l	100
64) Tetrachloroethene	10.88	164	856156	102.707	ug/l	99
65) Chlorobenzene	11.67	112	2259702	96.020	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	870398	98.468	ug/l	99
67) Ethyl Benzene	11.75	91	4090873	97.445	ug/l	99
68) m/p-Xylenes	11.85	106	3201405	191.298	ug/l	97
69) o-Xylene	12.18	106	1467107	95.908	ug/l	100
70) Styrene	12.20	104	2555846	97.102	ug/l	99
71) Bromoform	12.37	173	498780	104.418	ug/l #	99
73) Isopropylbenzene	12.48	105	4020866	99.333	ug/l	100
74) N-amyl acetate	12.29	43	942106	131.382	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	605161	95.373	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	842359	212.394	ug/l #	100
77) Bromobenzene	12.77	156	975752	99.482	ug/l	99
78) n-propylbenzene	12.83	91	4572963	96.779	ug/l	98
79) 2-Chlorotoluene	12.91	91	2566237	100.270	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	3317731	98.567	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	228166	116.090	ug/l	97
82) 4-Chlorotoluene	13.01	91	2705568	99.688	ug/l	99
83) tert-Butylbenzene	13.23	119	2855147	94.686	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	3283931	97.359	ug/l	100
85) sec-Butylbenzene	13.40	105	3935870	95.680	ug/l	100
86) p-Isopropyltoluene	13.52	119	3766009	97.518	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	1844203	95.735	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1781854	93.320	ug/l	100
89) n-Butylbenzene	13.85	91	3391166	95.408	ug/l	100
90) Hexachloroethane	14.11	117	689150	94.859	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	1566409	94.417	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	106977	111.629	ug/l	99

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Quant Title : SW846 8260
QLast Update : Fri Nov 08 15:32:18 2019
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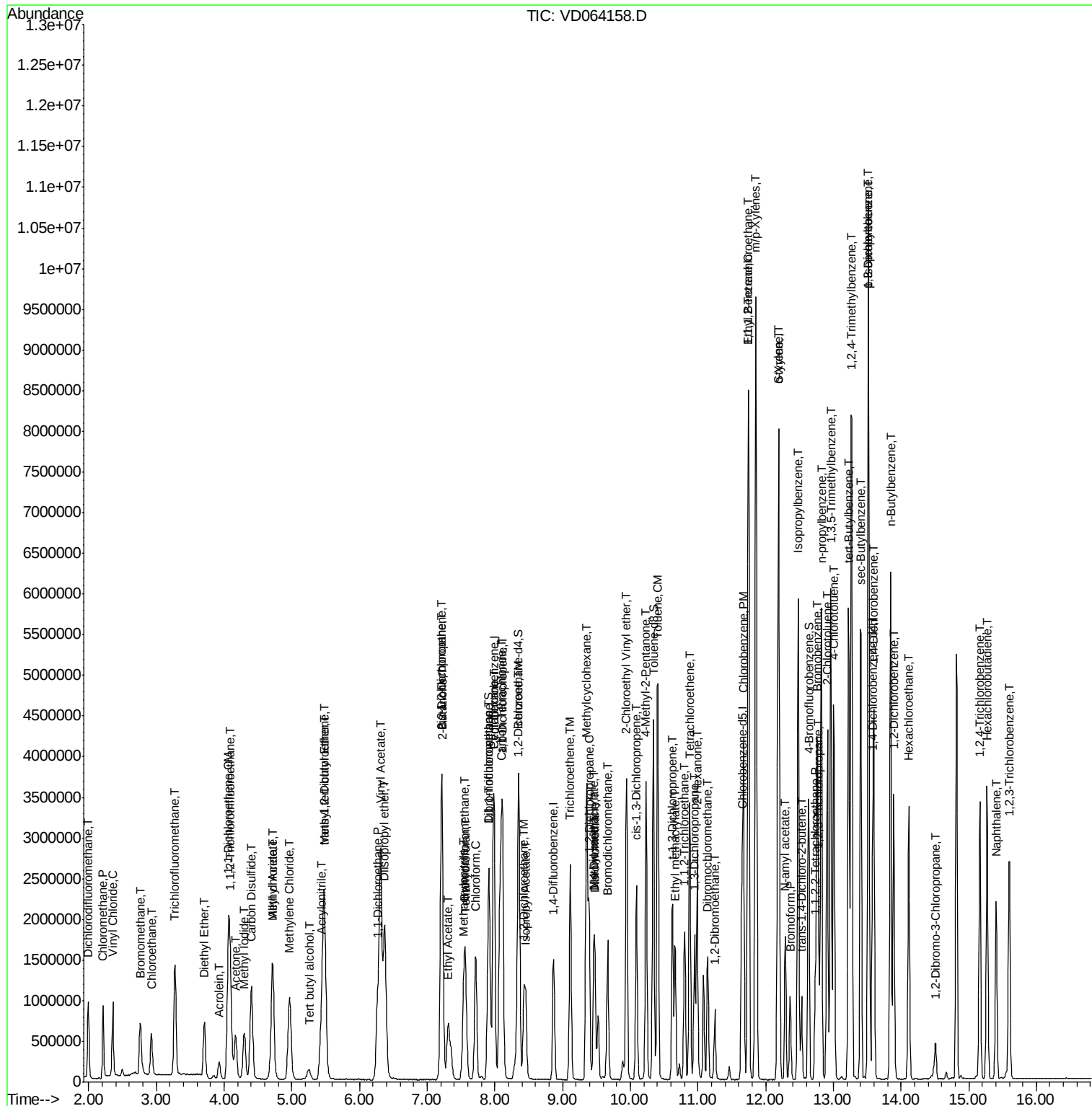
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	1200861	99.611	ug/l	99
94) Hexachlorobutadiene	15.27	225	767962	107.145	ug/l	98
95) Naphthalene	15.41	128	1963262	100.212	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	1021199	97.580	ug/l	99

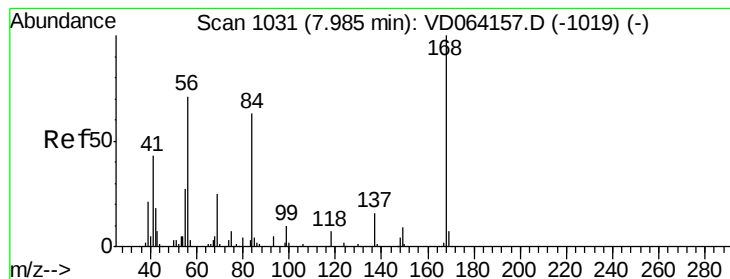
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD110819\
Data File : VD064158.D
Acq On : 08 Nov 2019 15:30
Operator : VA/SY
Sample : VSTDIC100
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Quant Time: Nov 08 15:49:54 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 08 15:32:18 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

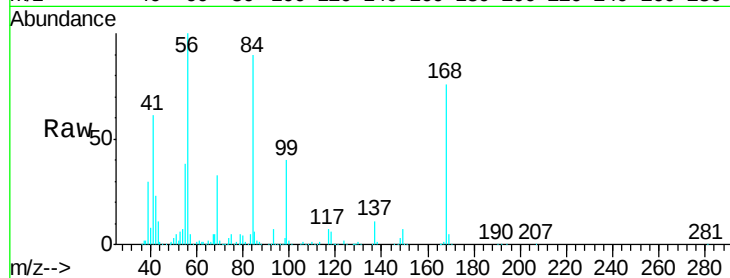
VSTDIC100

Tgt Ion: 168 Resp: 938247

Ion Ratio Lower Upper

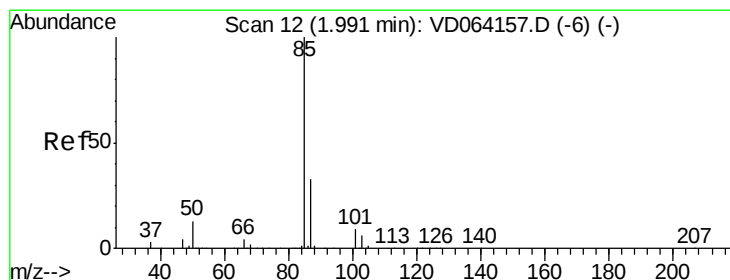
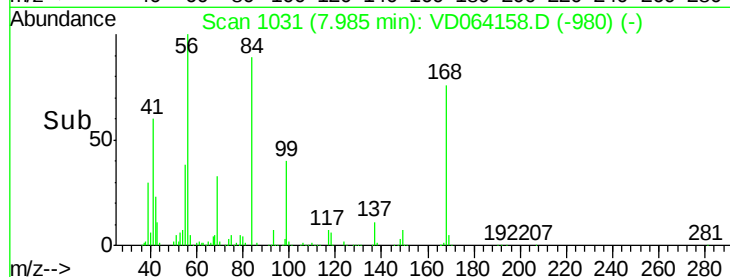
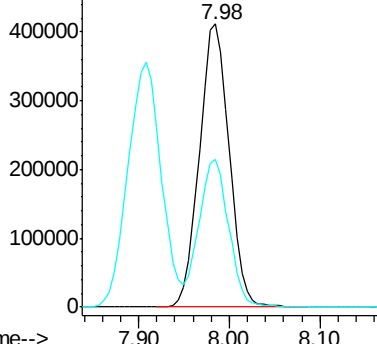
168 100

99 52.0 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 82.010 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064158.D

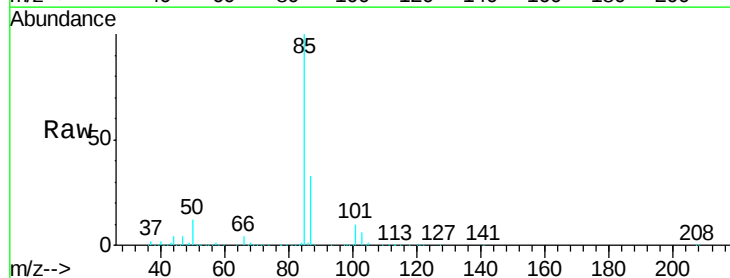
Acq: 08 Nov 2019 15:30

Tgt Ion: 85 Resp: 765736

Ion Ratio Lower Upper

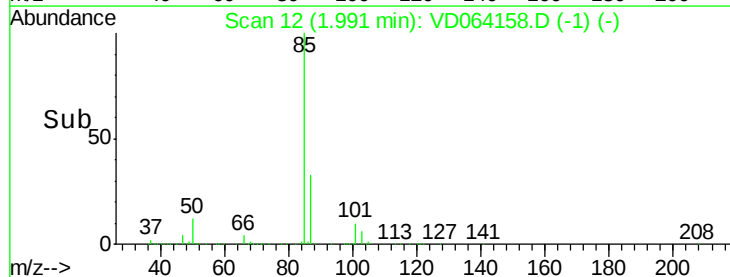
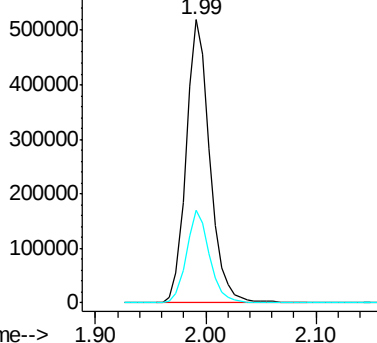
85 100

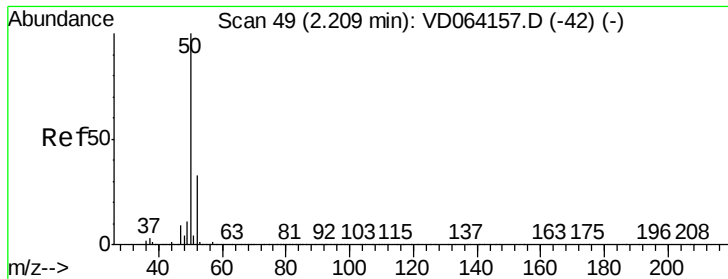
87 32.6 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 52.395 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

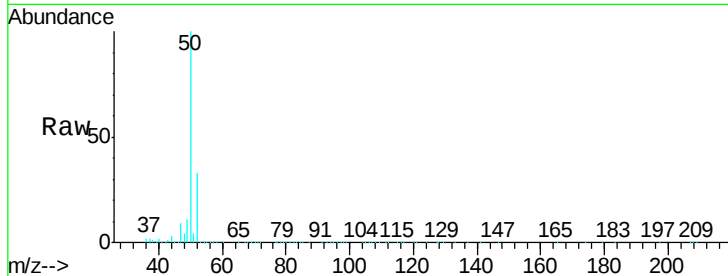
VSTDIC100

Tgt Ion: 50 Resp: 774932

Ion Ratio Lower Upper

50 100

52 32.7 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

600000

500000

400000

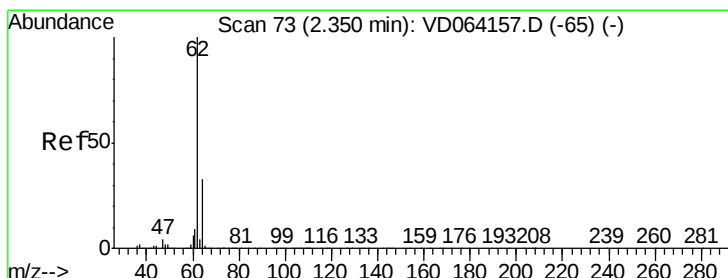
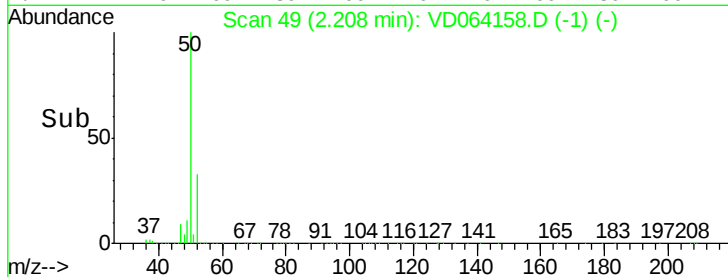
300000

200000

100000

0

Time--> 2.10 2.20 2.30



#4

Vinyl Chloride

Concen: 54.768 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD064158.D

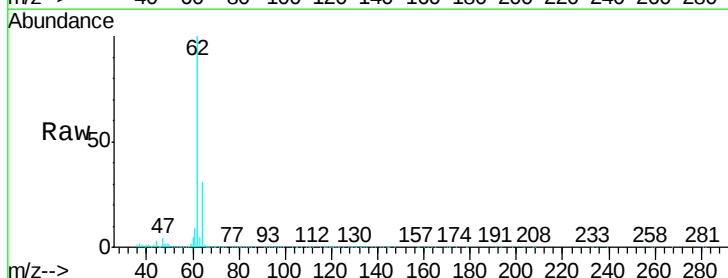
Acq: 08 Nov 2019 15:30

Tgt Ion: 62 Resp: 874914

Ion Ratio Lower Upper

62 100

64 31.4 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.36

600000

500000

400000

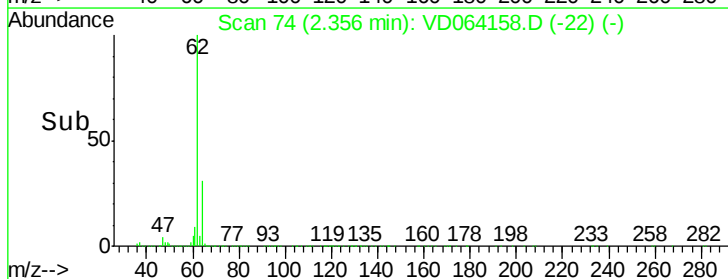
300000

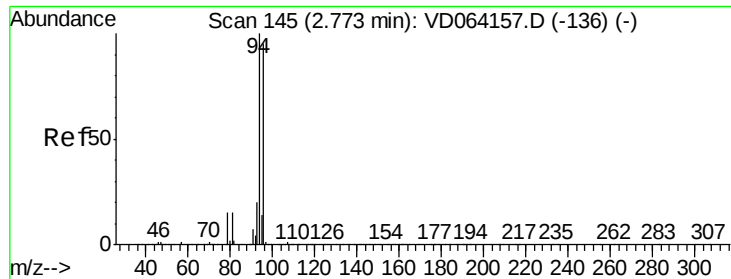
200000

100000

0

Time--> 2.30 2.40





#5

Bromomethane

Concen: 53.072 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

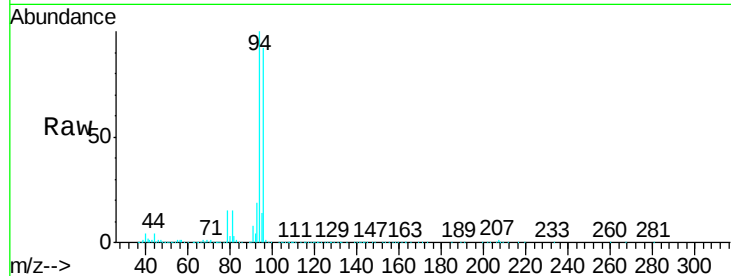
VSTDIC100

Tgt Ion: 94 Resp: 548359

Ion Ratio Lower Upper

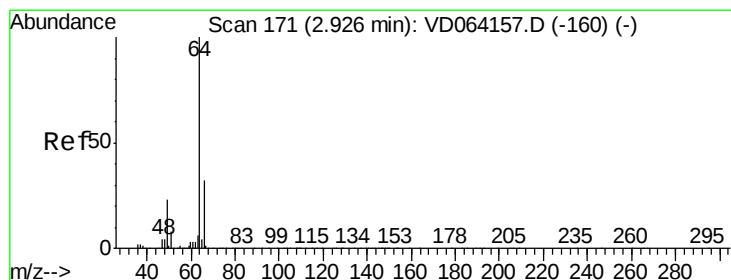
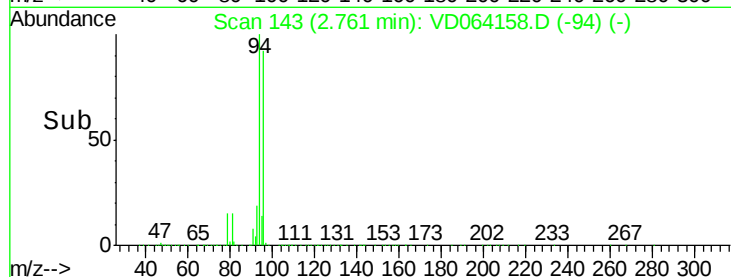
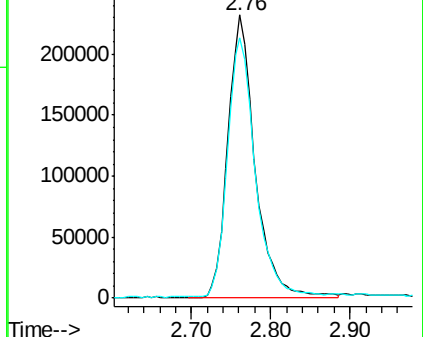
94 100

96 91.9 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 55.600 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD064158.D

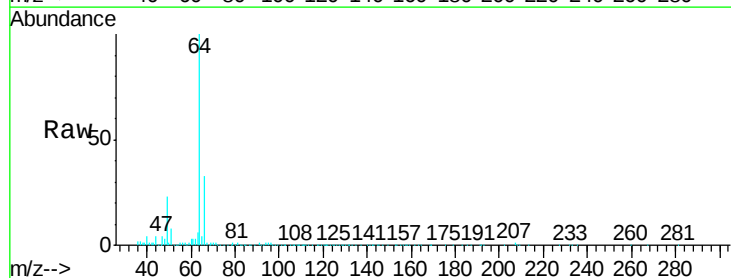
Acq: 08 Nov 2019 15:30

Tgt Ion: 64 Resp: 553971

Ion Ratio Lower Upper

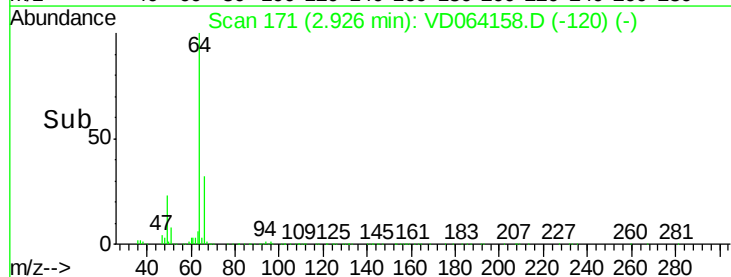
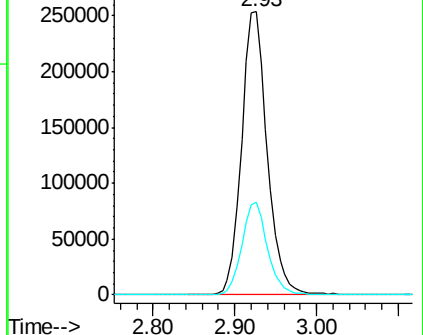
64 100

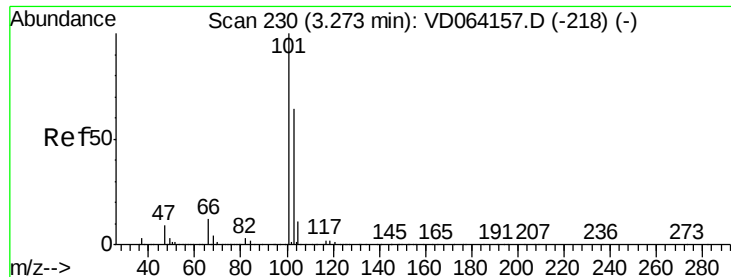
66 32.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



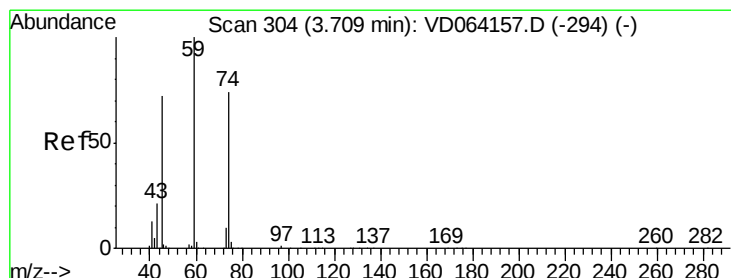
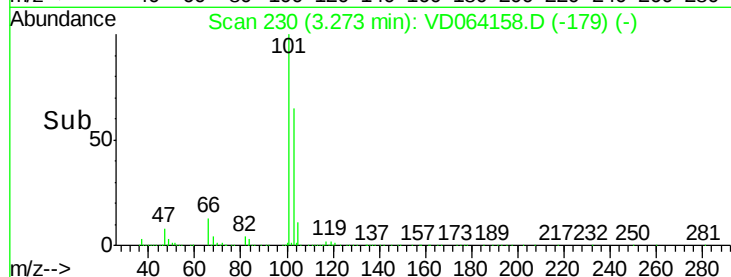
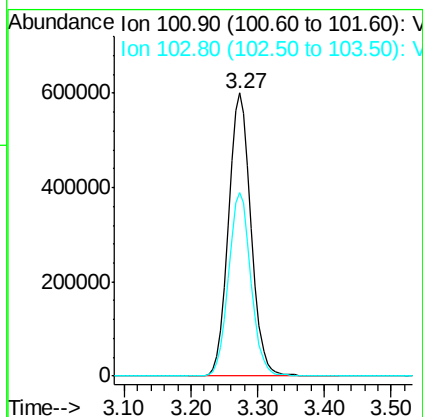
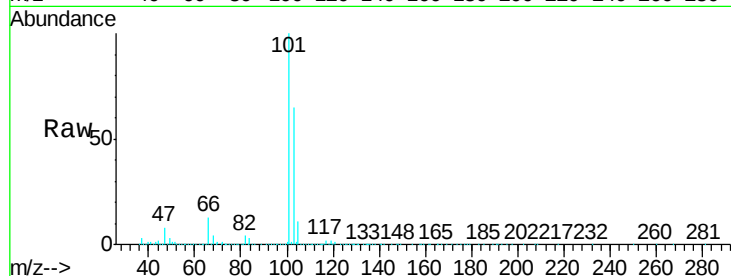


#7

Trichlorofluoromethane
 Concen: 63.699 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD064158.D
 Acq: 08 Nov 2019 15:30

Instrument :
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 ClientSampleId :
 VSTDIC100

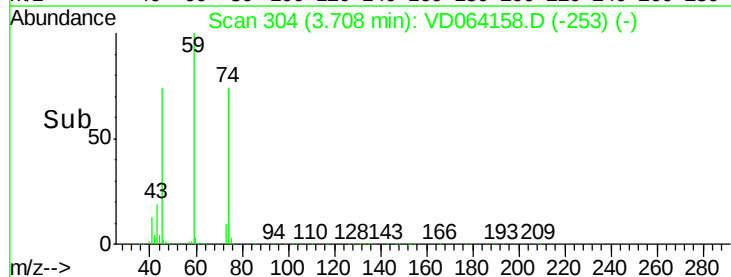
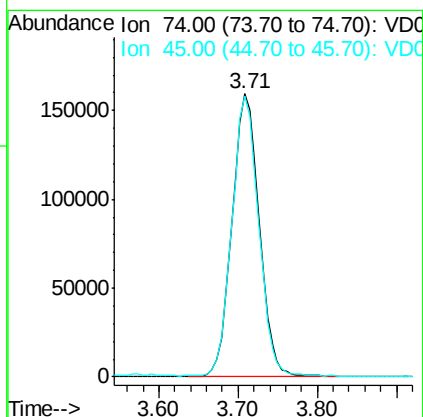
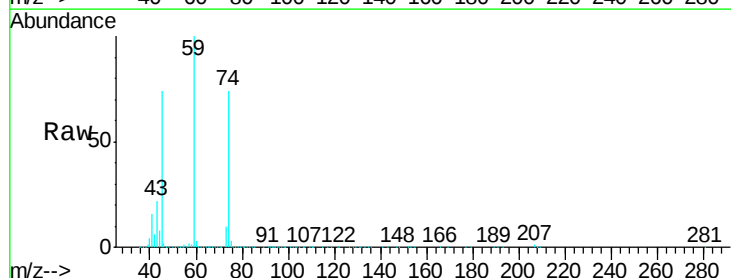
Tgt Ion:101 Resp: 1423653
 Ion Ratio Lower Upper
 101 100
 103 65.0 50.8 76.2



#8

Diethyl Ether
 Concen: 91.159 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD064158.D
 Acq: 08 Nov 2019 15:30

Tgt Ion: 74 Resp: 380195
 Ion Ratio Lower Upper
 74 100
 45 96.4 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 92.774 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

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MSVOA_D

ClientSampleId :

VSTDICC100

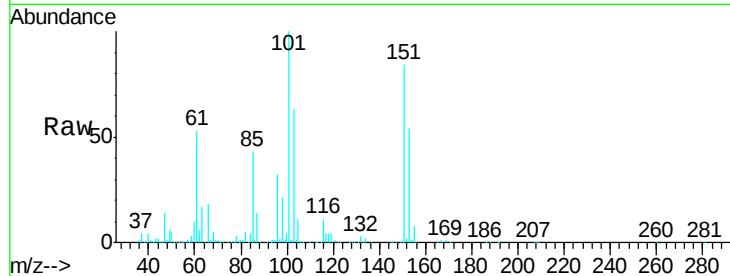
Tgt Ion:101 Resp: 795403

Ion Ratio Lower Upper

101 100

85 43.8 34.4 51.6

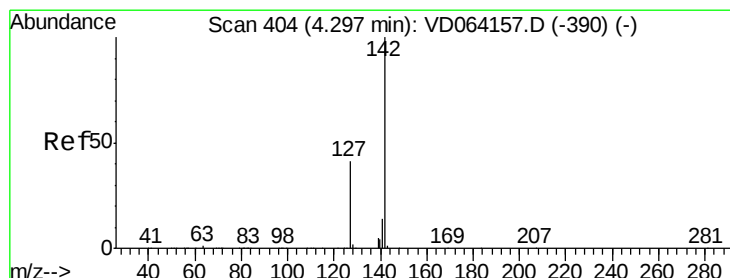
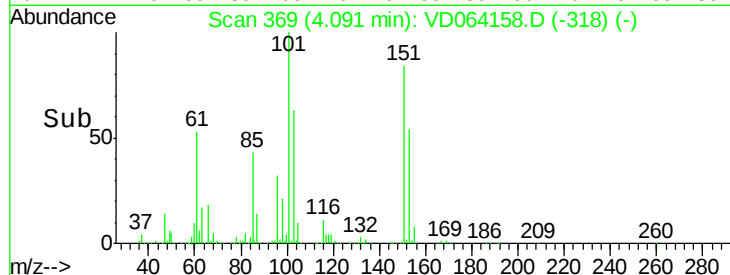
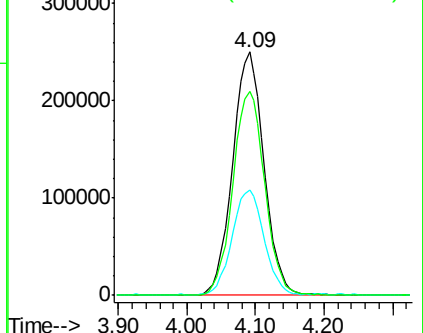
151 85.2 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 93.793 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

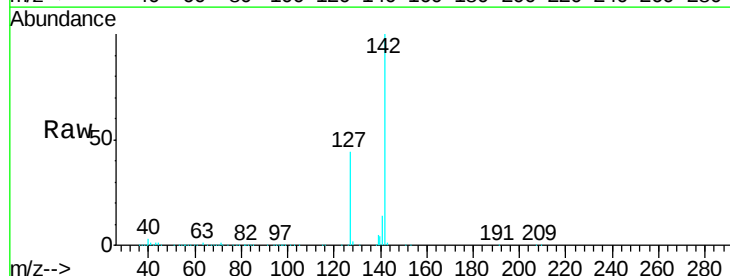
Tgt Ion:142 Resp: 976525

Ion Ratio Lower Upper

142 100

127 42.9 34.4 51.6

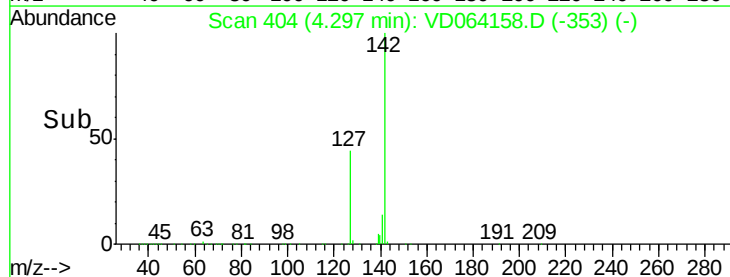
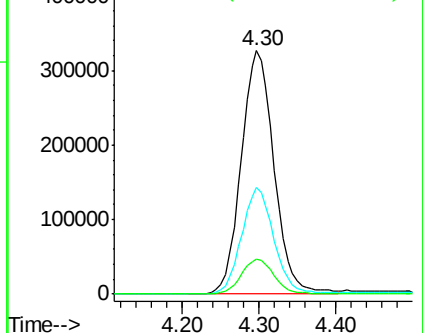
141 14.4 11.2 16.8

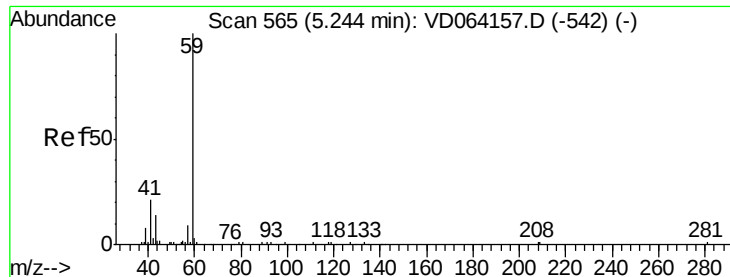


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

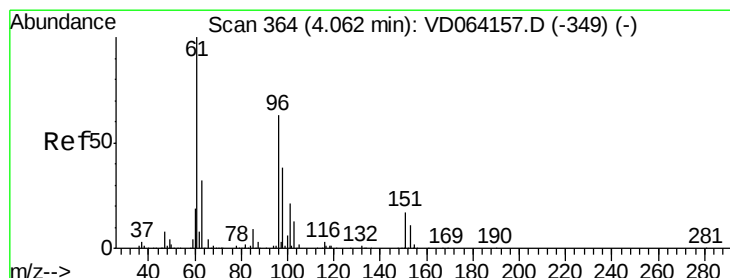
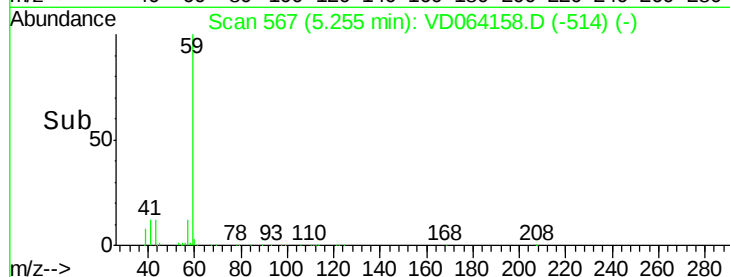
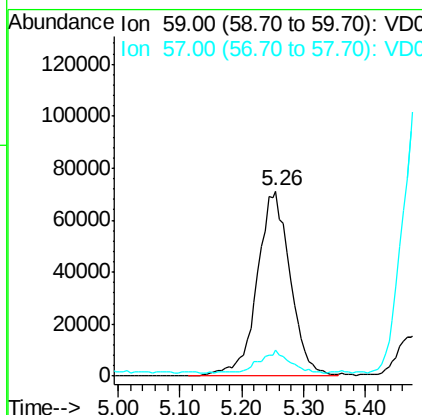
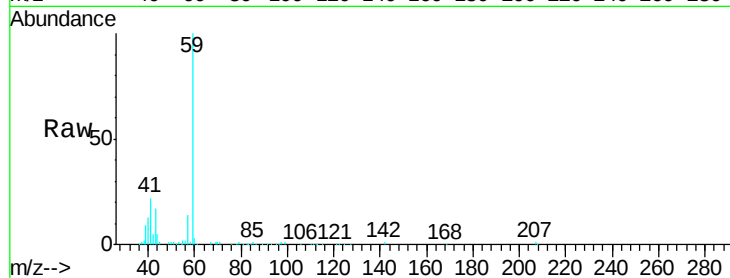




#11
Tert butyl alcohol
Concen: 624.739 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

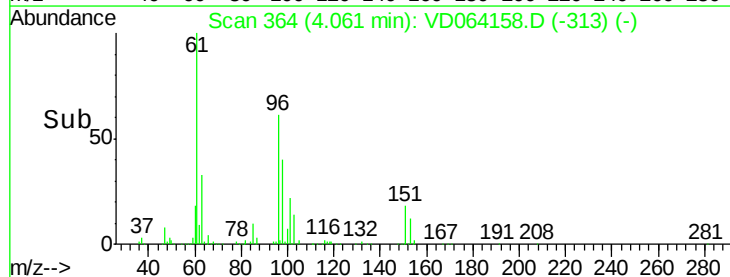
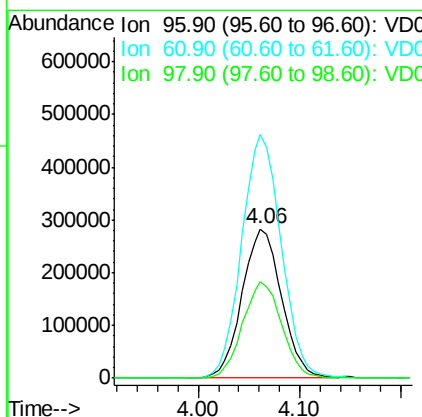
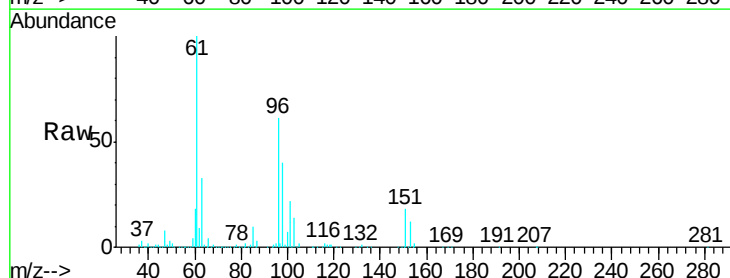
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

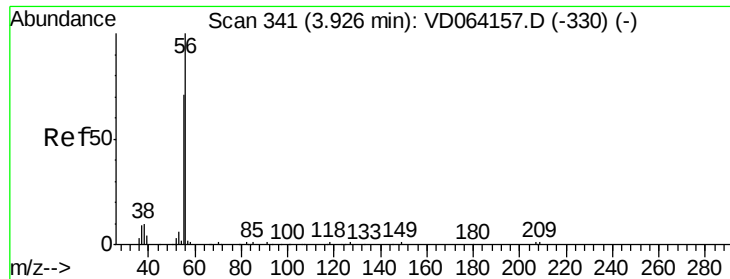
Tgt Ion: 59 Resp: 264257
Ion Ratio Lower Upper
59 100
57 11.6 9.4 14.2



#12
1,1-Dichloroethene
Concen: 92.995 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

Tgt Ion: 96 Resp: 759888
Ion Ratio Lower Upper
96 100
61 163.3 127.4 191.2
98 64.7 48.1 72.1





#13

Acrolein

Concen: 509.909 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

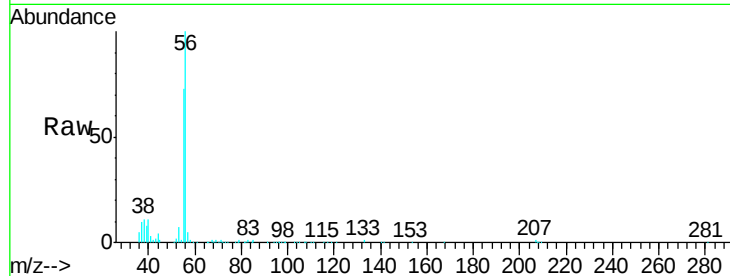
VSTDIC100

Tgt Ion: 56 Resp: 247722

Ion Ratio Lower Upper

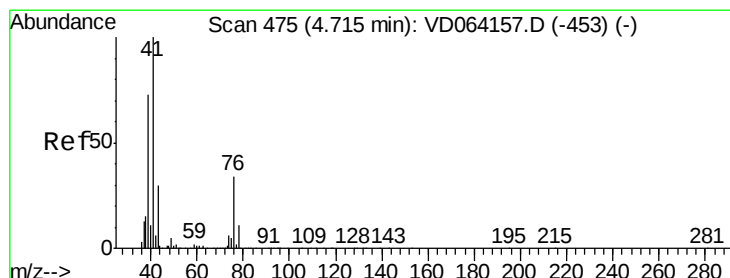
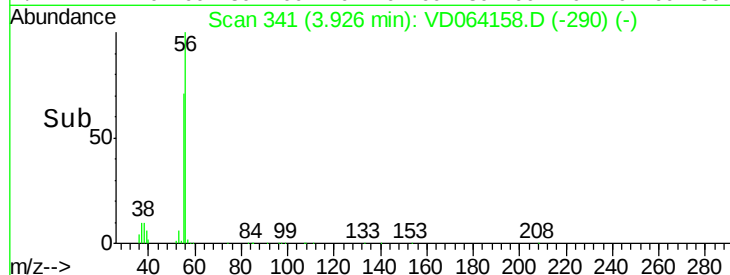
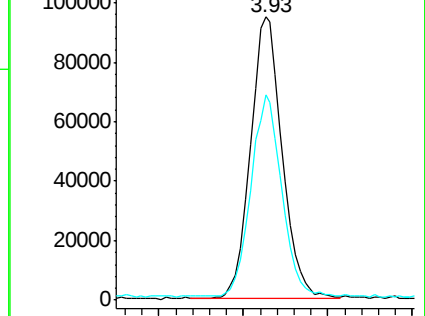
56 100

55 69.4 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 129.270 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

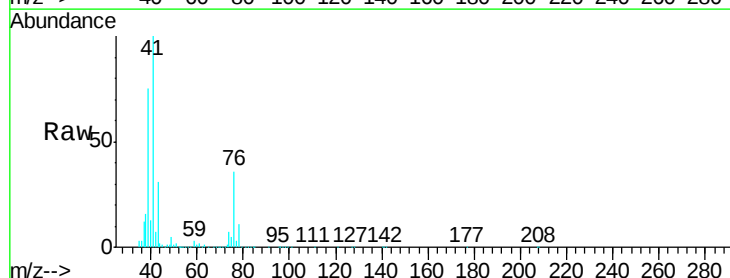
Tgt Ion: 41 Resp: 1340101

Ion Ratio Lower Upper

41 100

39 73.2 57.5 86.3

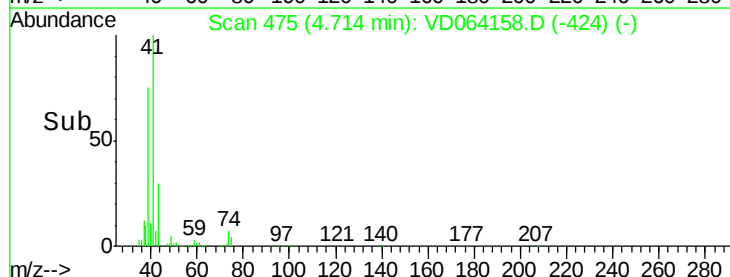
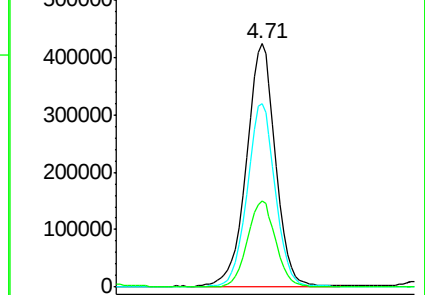
76 34.3 26.8 40.2



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: 528.264 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

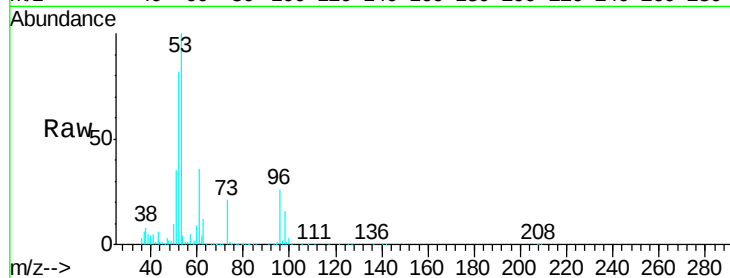
Tgt Ion: 53 Resp: 825057

Ion Ratio Lower Upper

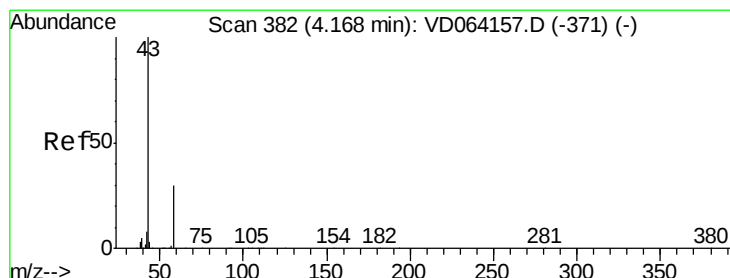
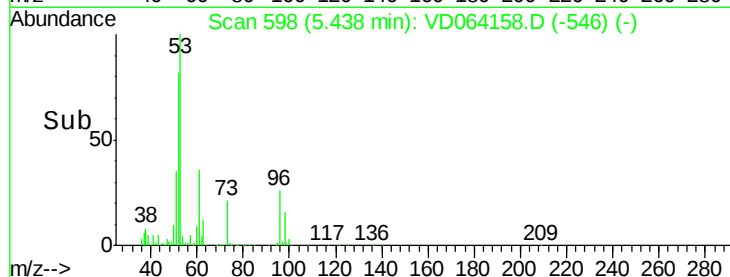
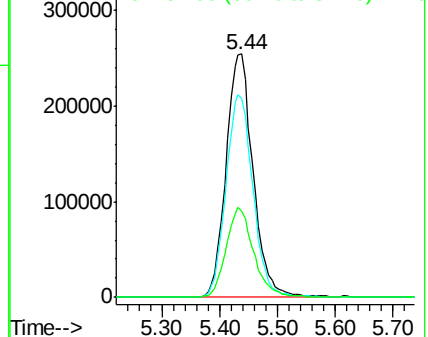
53 100

52 82.9 66.7 100.1

51 37.1 30.6 46.0



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: 627.693 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064158.D

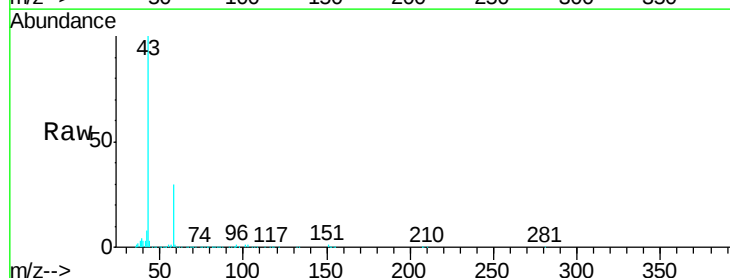
Acq: 08 Nov 2019 15:30

Tgt Ion: 43 Resp: 928962

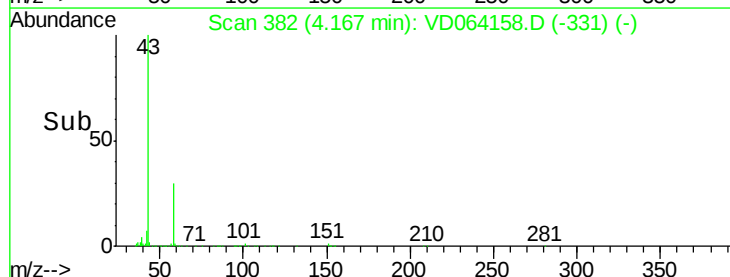
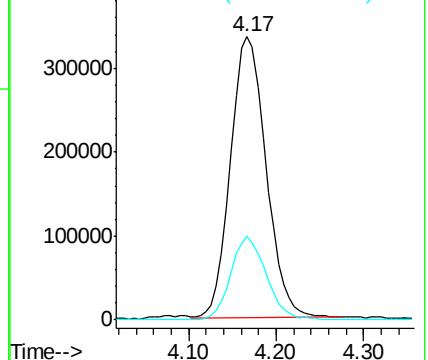
Ion Ratio Lower Upper

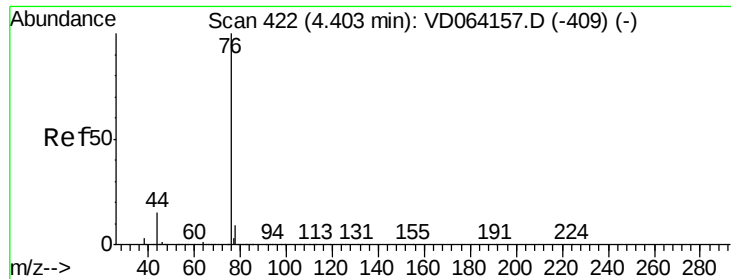
43 100

58 29.7 24.1 36.1



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

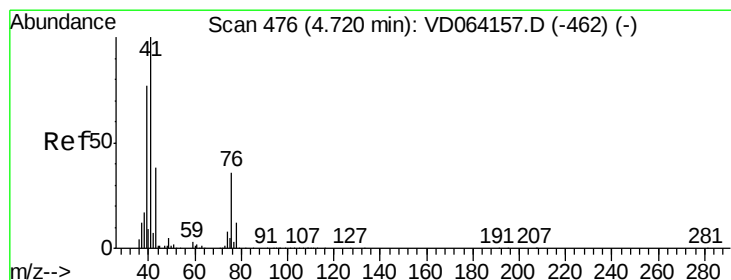
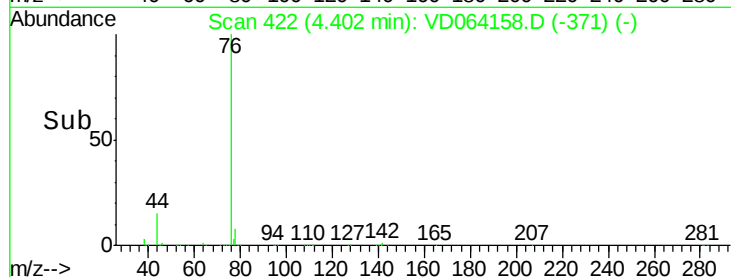
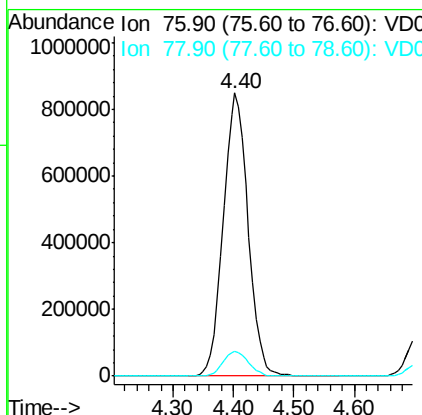
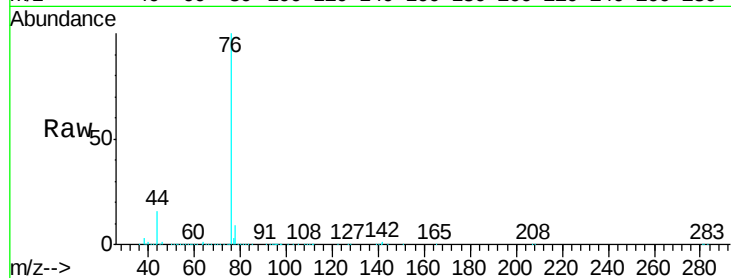




#17
Carbon Disulfide
Concen: 96.215 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

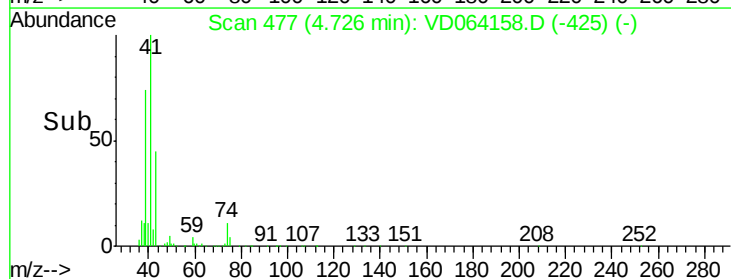
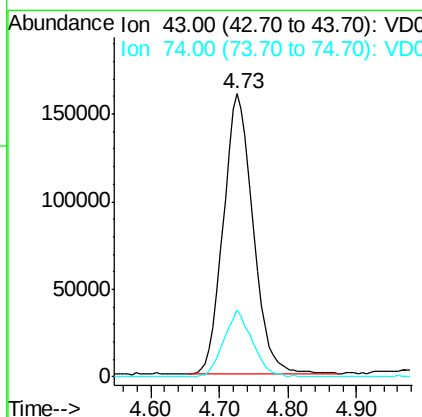
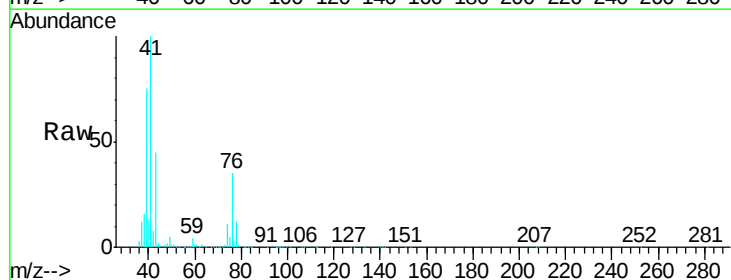
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

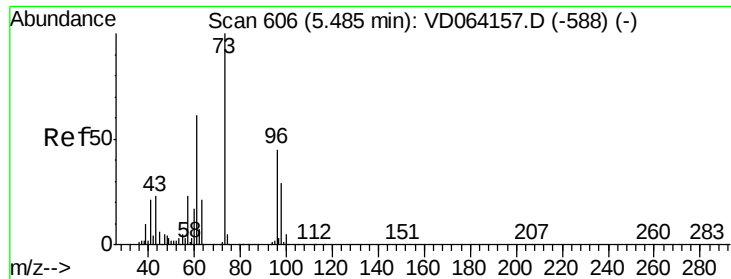
Tgt Ion: 76 Resp: 2417979
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#18
Methyl Acetate
Concen: 119.764 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

Tgt Ion: 43 Resp: 479843
Ion Ratio Lower Upper
43 100
74 23.0 18.4 27.6

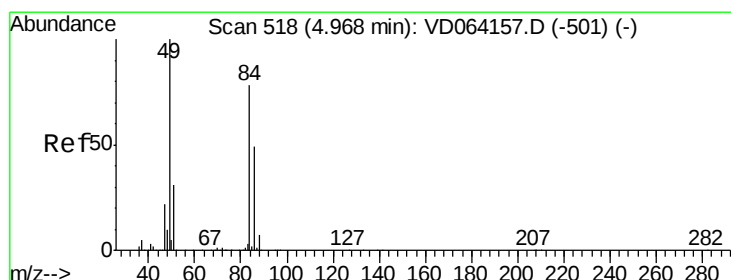
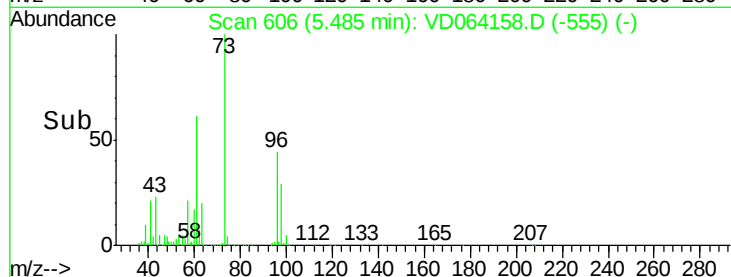
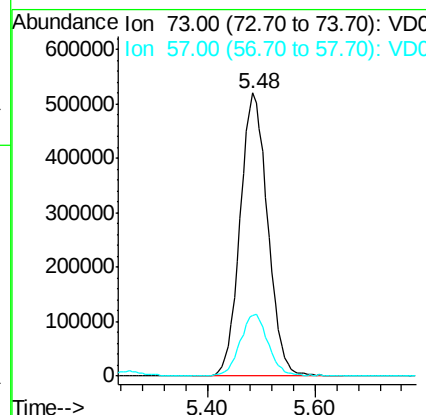
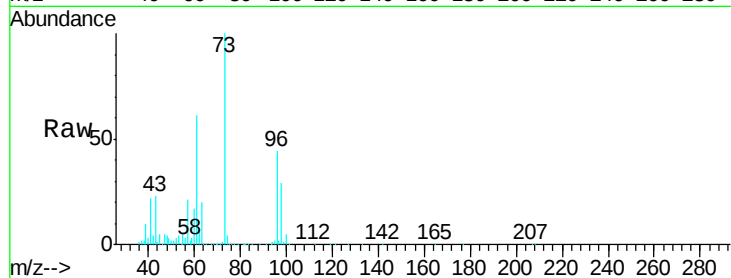




#19
Methyl tert-butyl Ether
Concen: 108.231 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

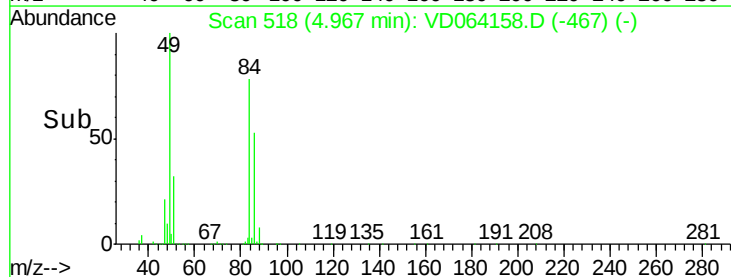
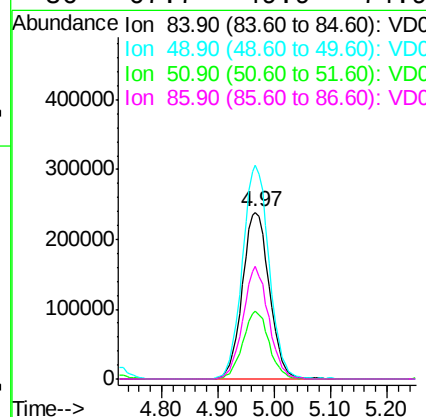
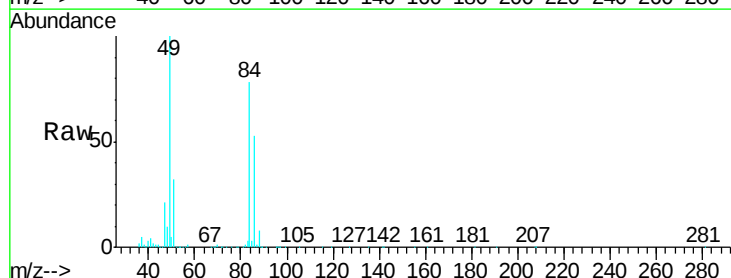
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

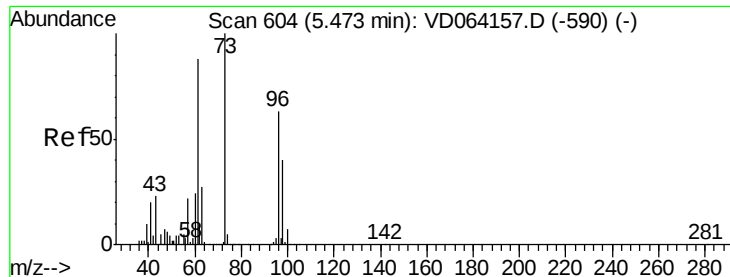
Tgt Ion: 73 Resp: 1844081
Ion Ratio Lower Upper
73 100
57 21.2 18.4 27.6



#20
Methylene Chloride
Concen: 78.949 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

Tgt Ion: 84 Resp: 797113
Ion Ratio Lower Upper
84 100
49 128.0 102.1 153.1
51 40.9 32.2 48.2
86 67.7 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 93.847 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

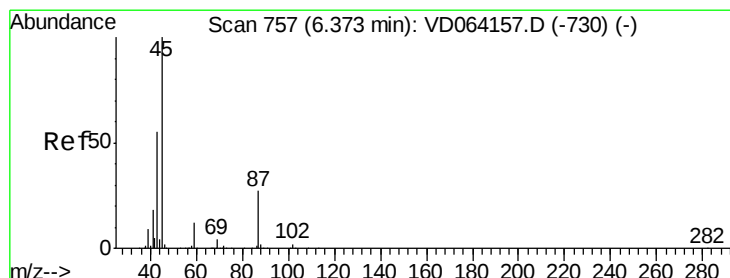
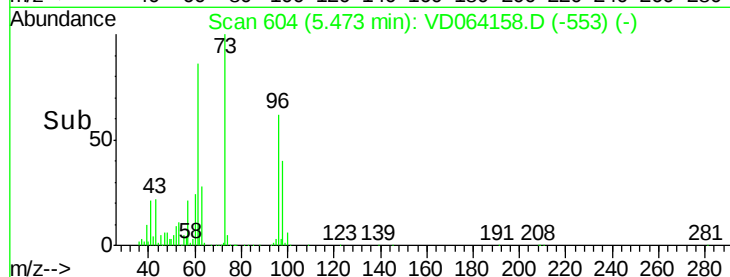
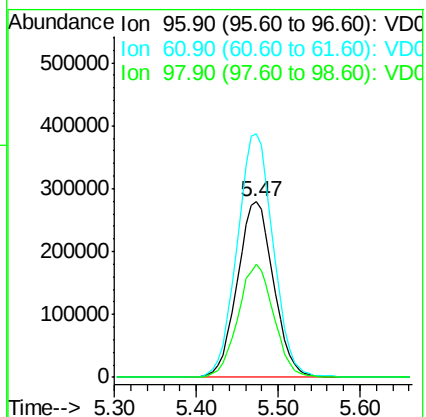
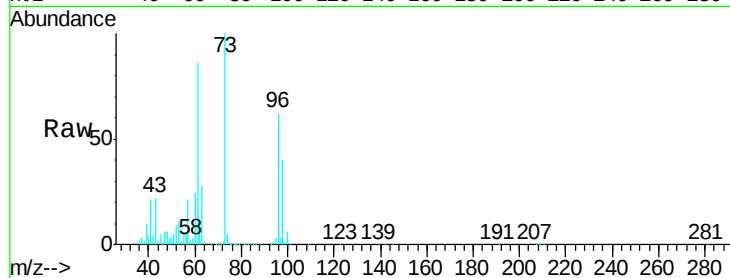
Tgt Ion: 96 Resp: 859199

Ion Ratio Lower Upper

96 100

61 138.7 111.8 167.6

98 64.0 50.3 75.5



#22

Diisopropyl ether

Concen: 114.190 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Tgt Ion: 45 Resp: 2513626

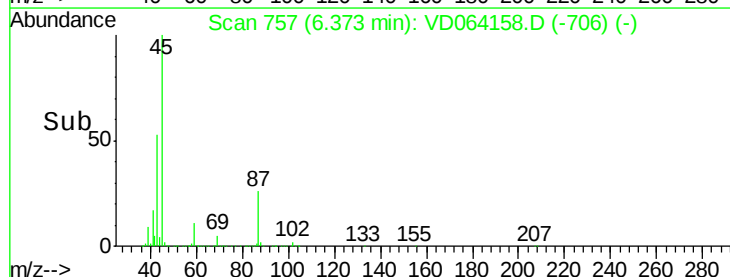
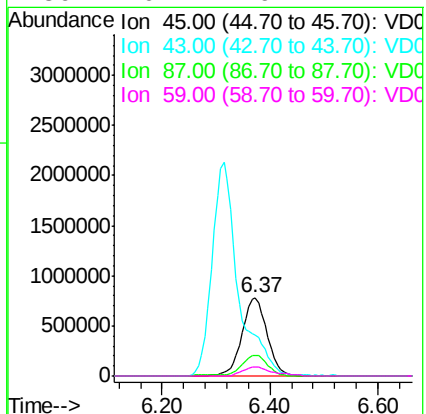
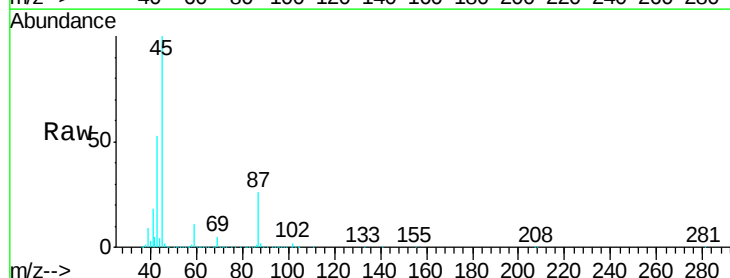
Ion Ratio Lower Upper

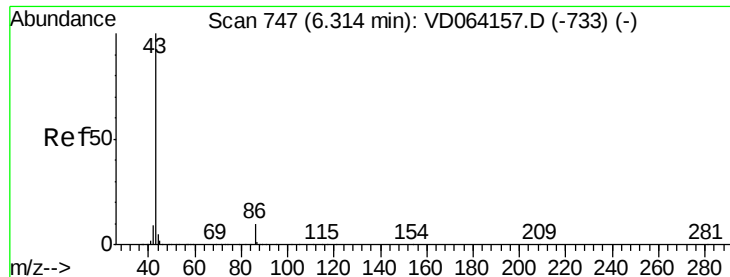
45 100

43 52.1 44.4 66.6

87 26.3 21.9 32.9

59 10.7 9.4 14.2





#23

Vinyl Acetate

Concen: 598.309 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

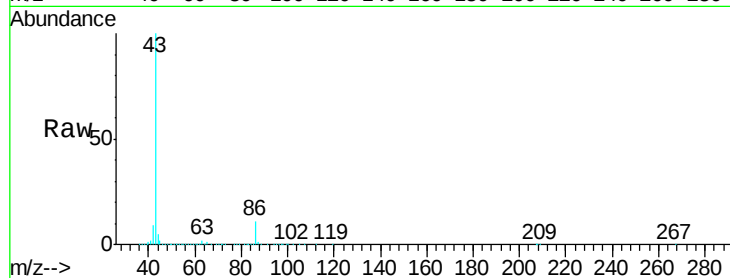
VSTDIC100

Tgt Ion: 43 Resp: 7245200

Ion Ratio Lower Upper

43 100

86 10.6 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

2500000

2000000

1500000

1000000

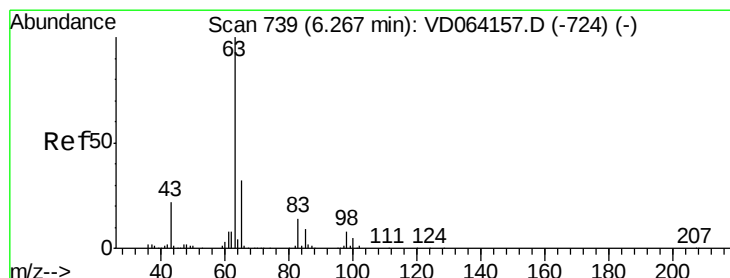
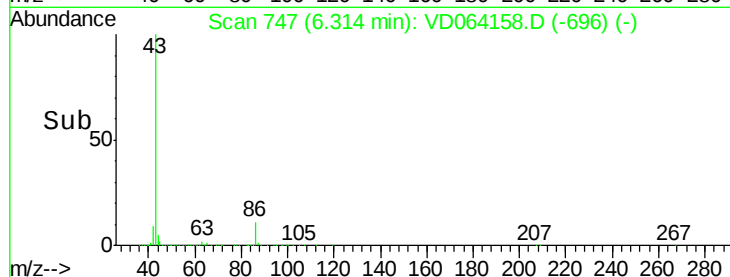
500000

0

6.20 6.30 6.40 6.50 6.60

6.31

Time-->



#24

1,1-Dichloroethane

Concen: 99.805 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

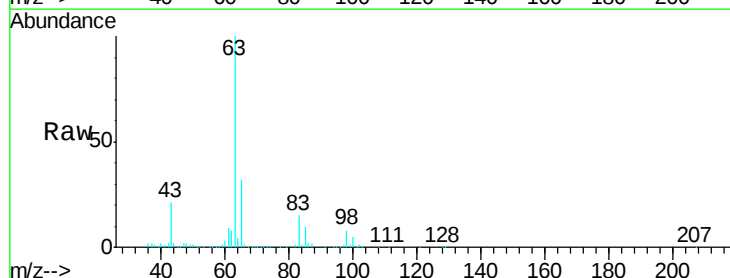
Tgt Ion: 63 Resp: 1445591

Ion Ratio Lower Upper

63 100

98 7.6 3.8 11.4

100 4.7 2.4 7.2



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

600000

500000

400000

300000

200000

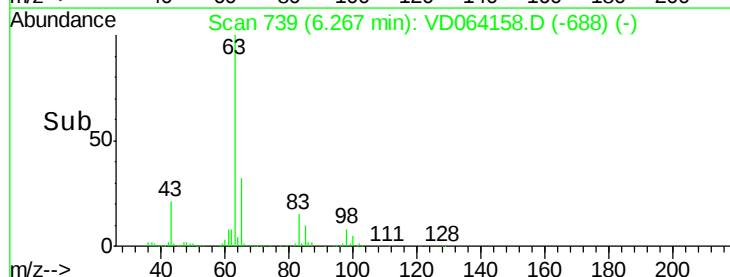
100000

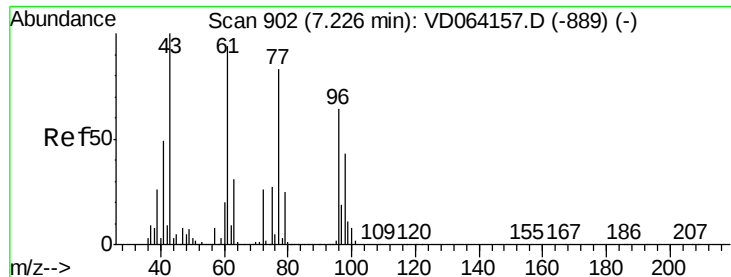
0

6.10 6.20 6.30 6.40

6.27

Time-->





#25

2-Butanone

Concen: 570.999 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

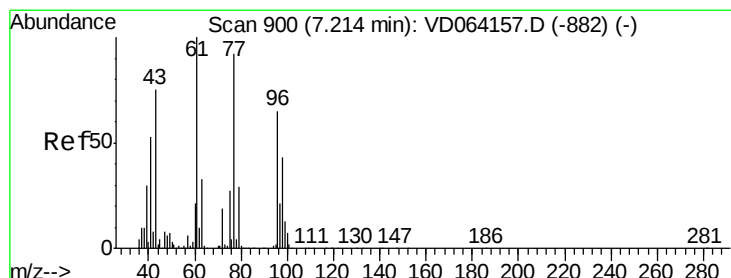
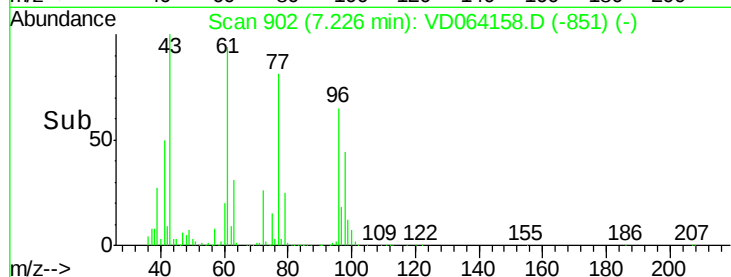
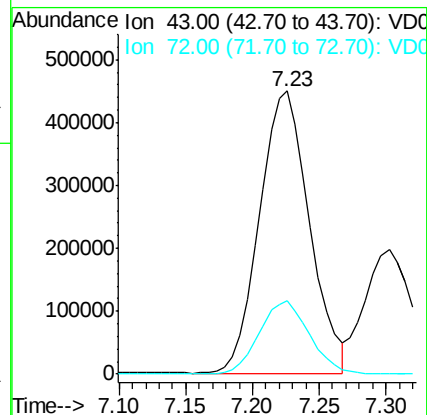
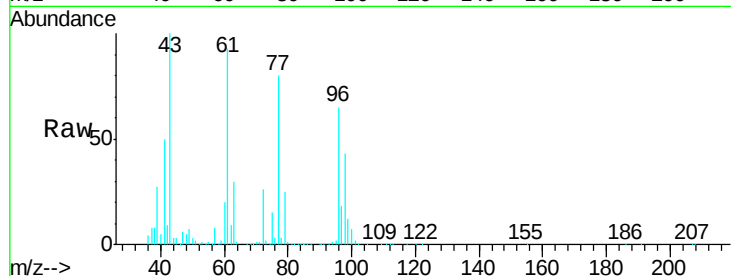
VSTDIC100

Tgt Ion: 43 Resp: 1160027

Ion Ratio Lower Upper

43 100

72 26.2 20.6 30.8



#26

2,2-Dichloropropane

Concen: 101.289 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064158.D

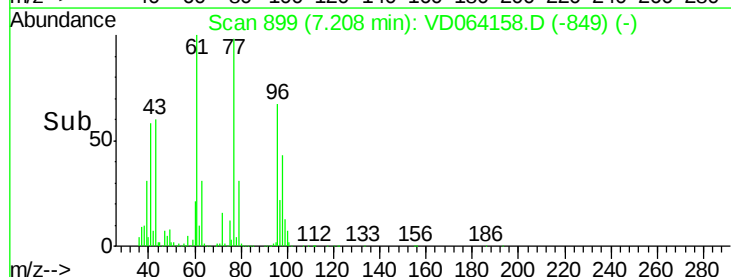
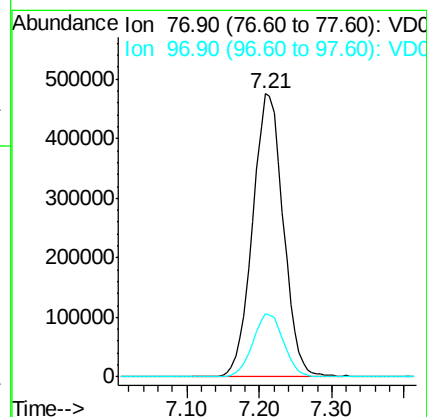
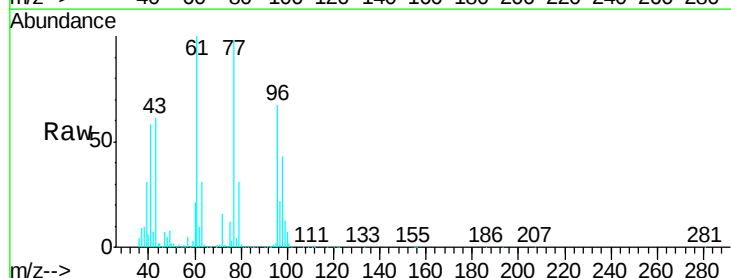
Acq: 08 Nov 2019 15:30

Tgt Ion: 77 Resp: 1398694

Ion Ratio Lower Upper

77 100

97 22.3 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 92.240 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

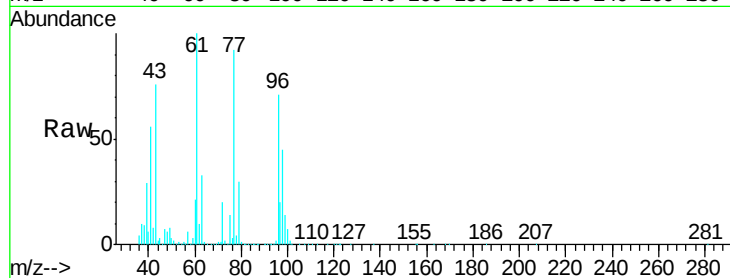
Tgt Ion: 96 Resp: 937869

Ion Ratio Lower Upper

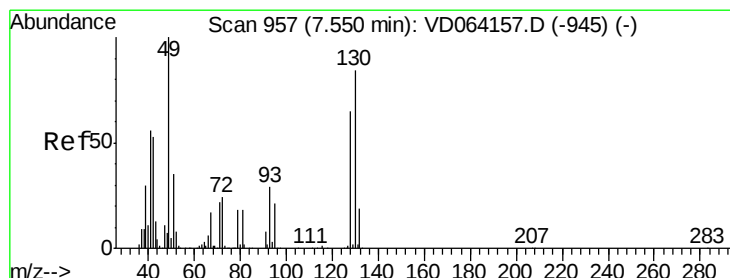
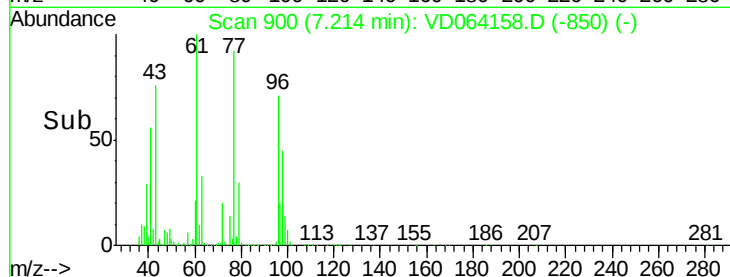
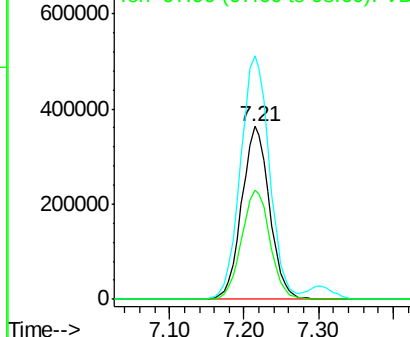
96 100

61 146.6 0.0 301.4

98 64.5 0.0 133.2



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



#28

Bromochloromethane

Concen: 109.599 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

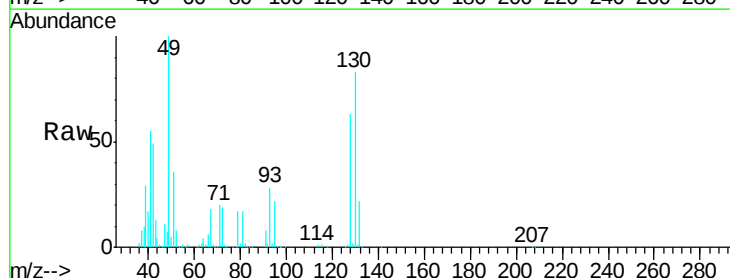
Tgt Ion: 49 Resp: 570875

Ion Ratio Lower Upper

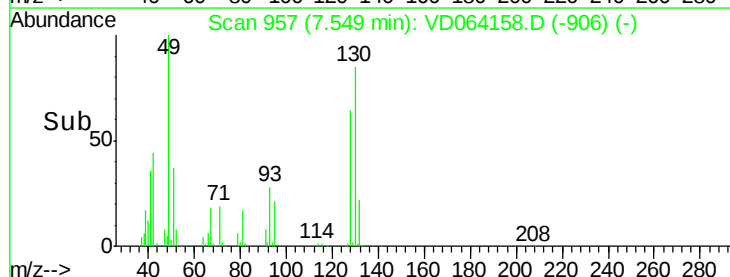
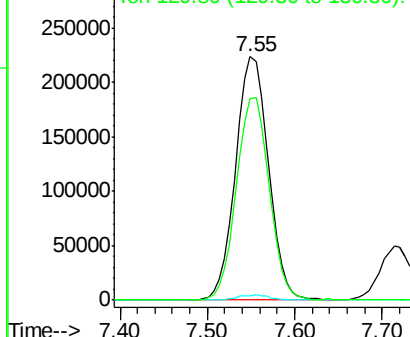
49 100

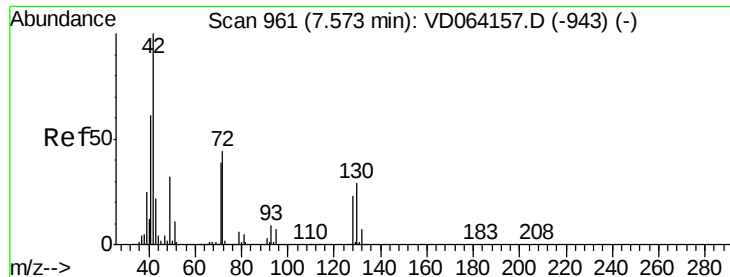
129 2.2 0.0 4.4

130 83.0 66.8 100.2



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: 580.319 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

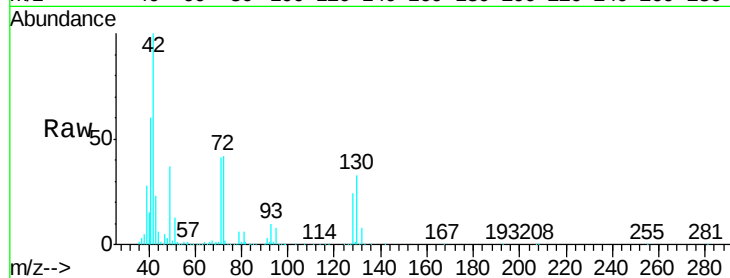
Tgt Ion: 42 Resp: 693581

Ion Ratio Lower Upper

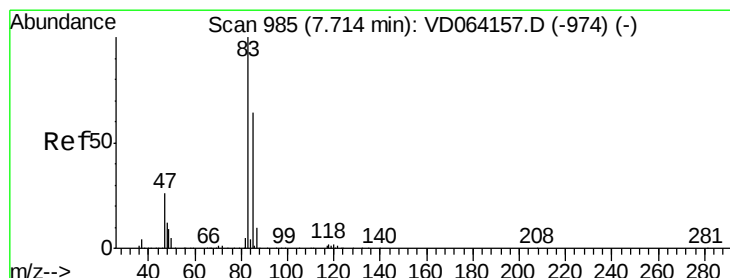
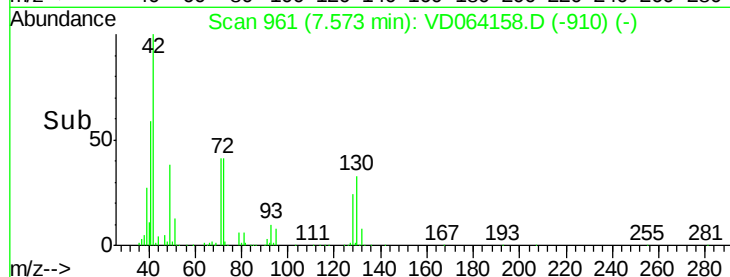
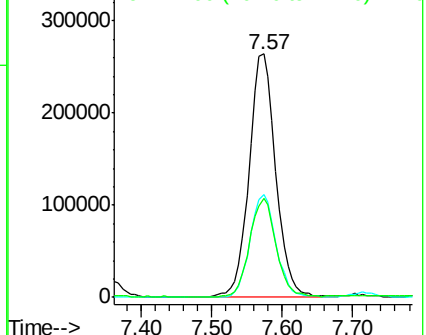
42 100

72 41.6 33.4 50.2

71 40.0 31.0 46.4



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 90.622 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD064158.D

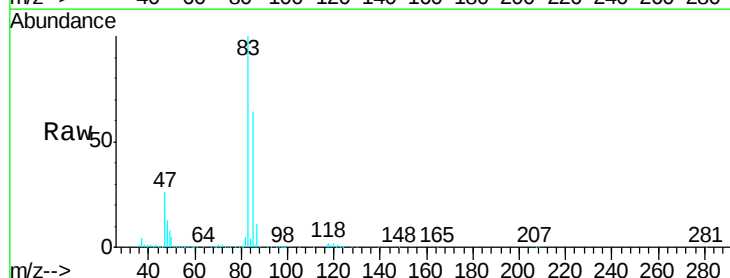
Acq: 08 Nov 2019 15:30

Tgt Ion: 83 Resp: 1477031

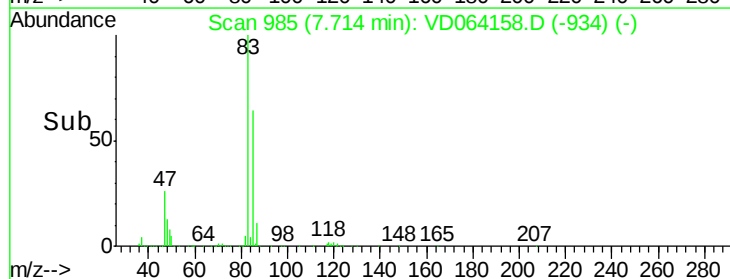
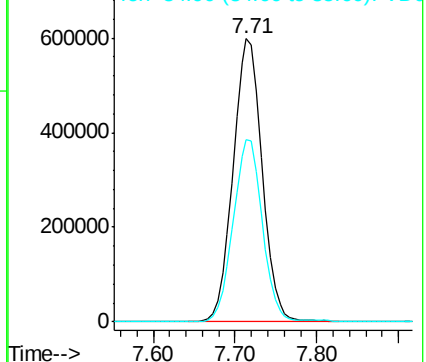
Ion Ratio Lower Upper

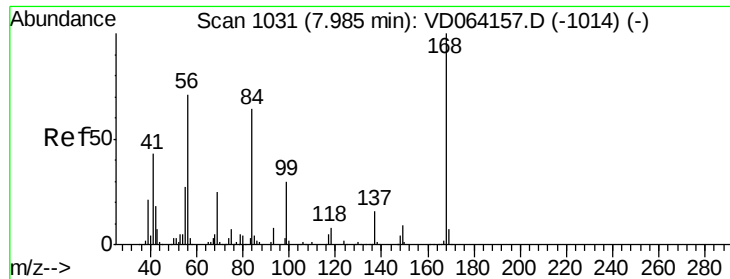
83 100

85 64.1 51.4 77.0



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

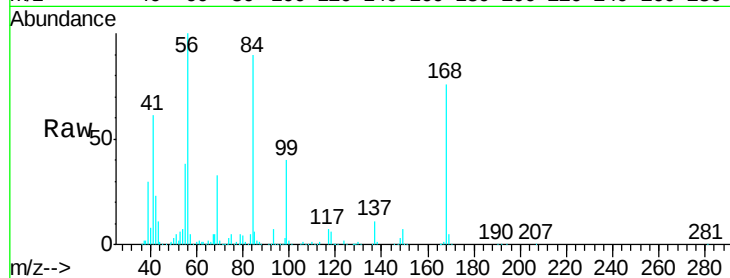




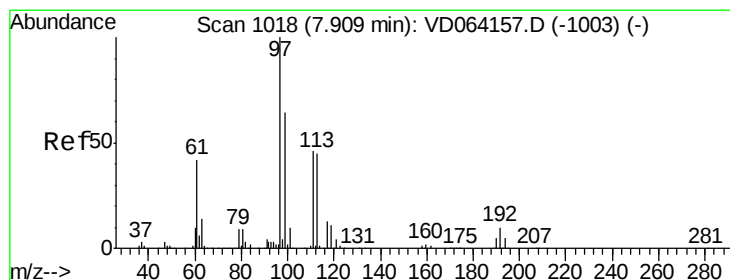
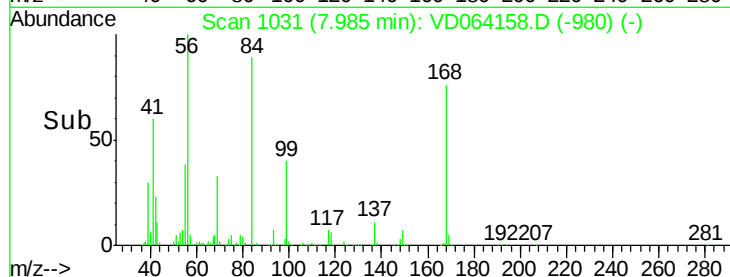
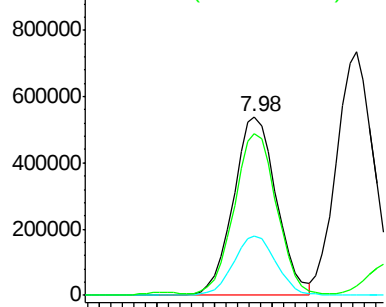
#31
Cyclohexane
Concen: 98.531 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 56 Resp: 1397068
Ion Ratio Lower Upper
56 100
69 33.0 28.2 42.4
84 88.5 71.8 107.6

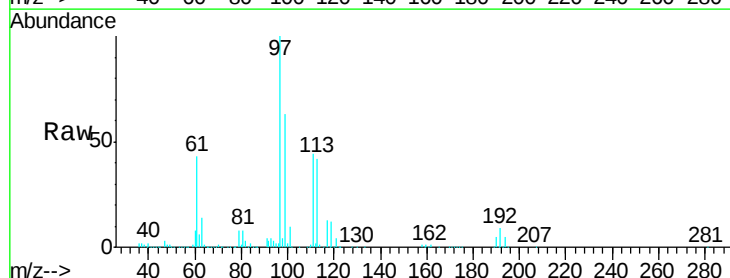


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

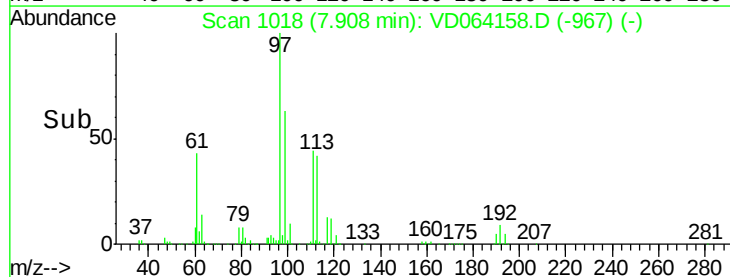
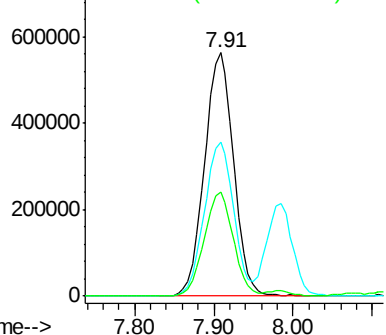


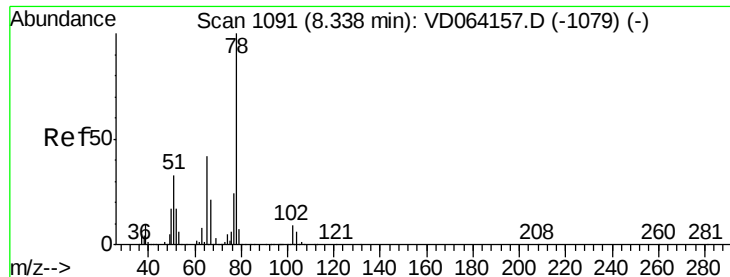
#32
1,1,1-Trichloroethane
Concen: 93.643 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

Tgt Ion: 97 Resp: 1423419
Ion Ratio Lower Upper
97 100
99 64.1 51.6 77.4
61 42.9 34.2 51.2



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 103.961 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

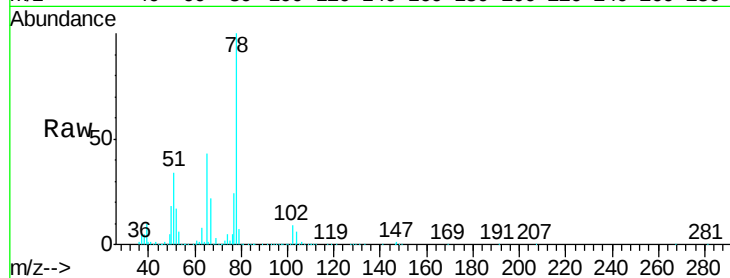
VSTDIC100

Tgt Ion: 65 Resp: 790330

Ion Ratio Lower Upper

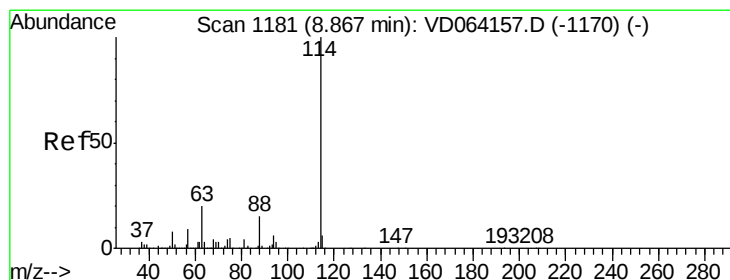
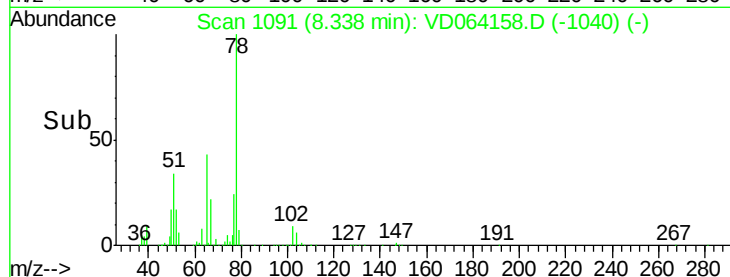
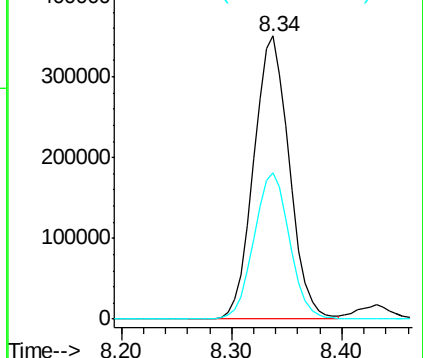
65 100

67 51.8 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

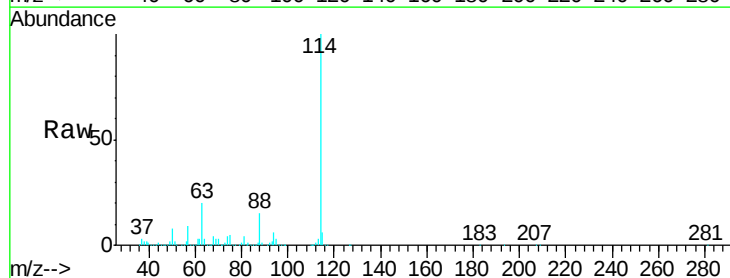
Tgt Ion: 114 Resp: 1323038

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

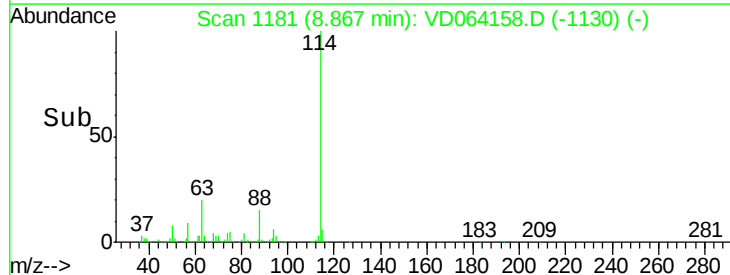
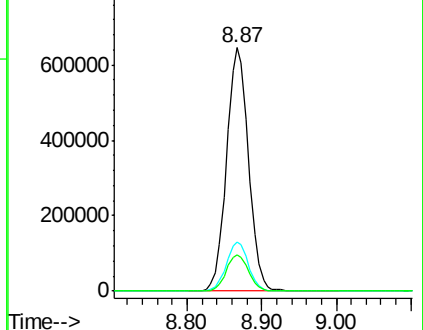
88 15.0 0.0 30.2

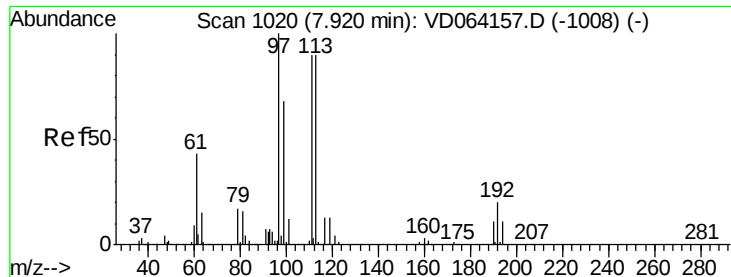


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

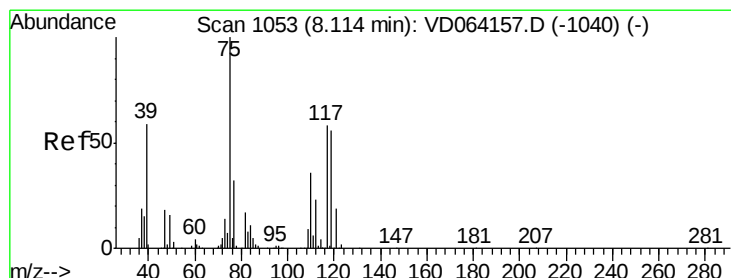
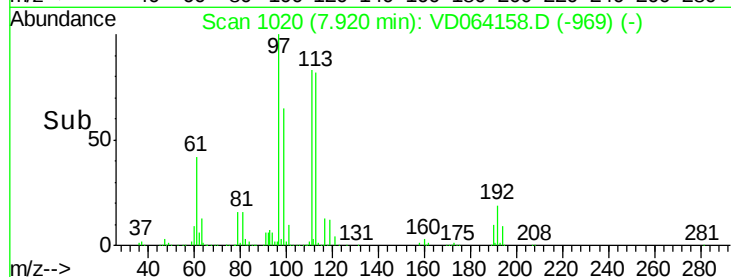
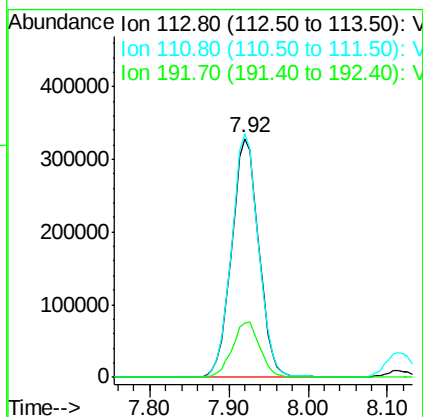
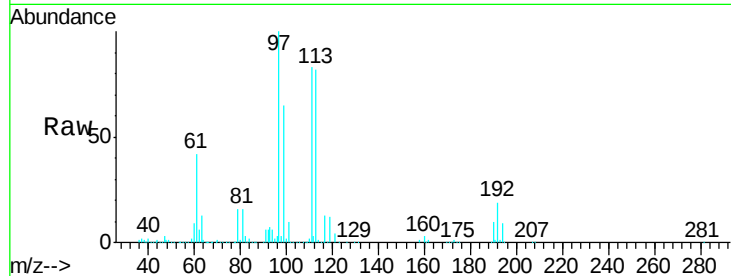




#35
 Dibromofluoromethane
 Concen: 96.388 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064158.D
 Acq: 08 Nov 2019 15:30

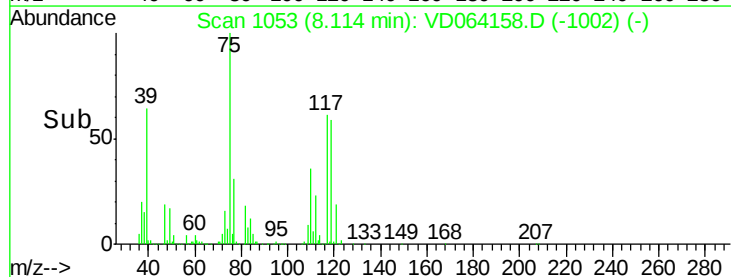
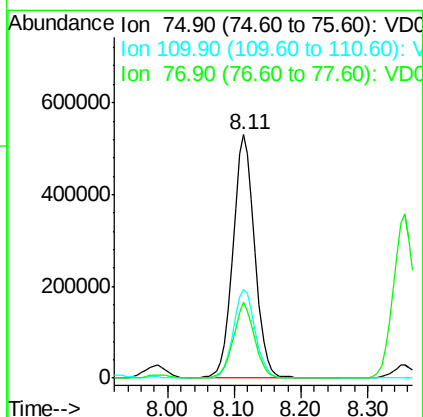
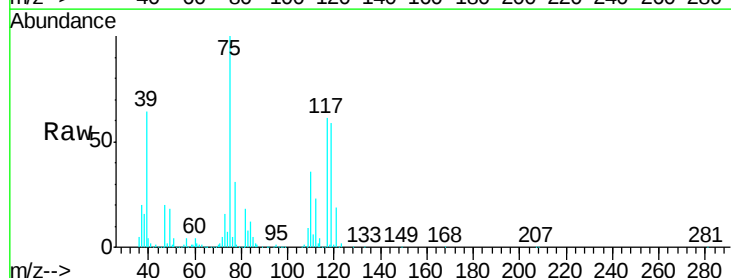
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 113 Resp: 781358
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.5 122.3
 192 23.4 18.8 28.2



#36
 1,1-Dichloropropene
 Concen: 96.277 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064158.D
 Acq: 08 Nov 2019 15:30

Tgt Ion: 75 Resp: 1200804
 Ion Ratio Lower Upper
 75 100
 110 37.0 18.3 54.9
 77 30.3 25.0 37.6

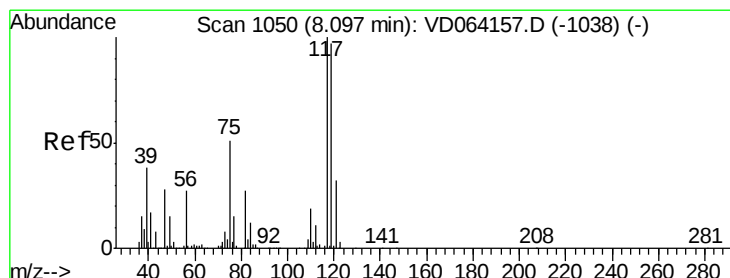
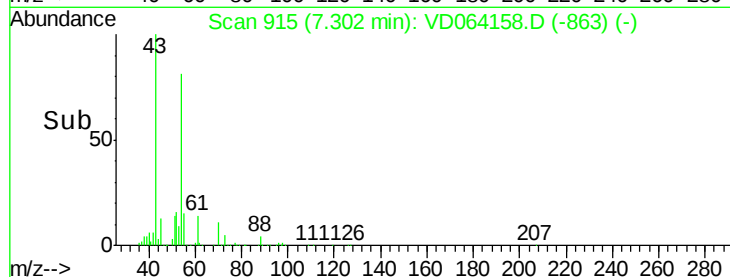
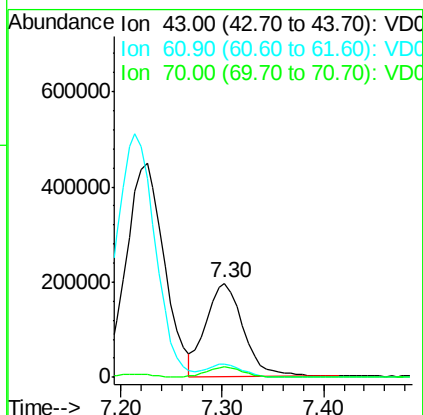
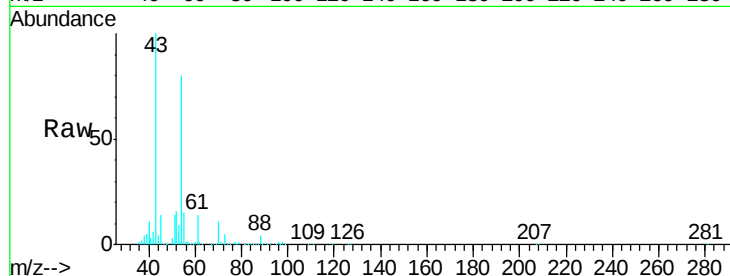




#37
Ethyl Acetate
Concen: 124.209 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

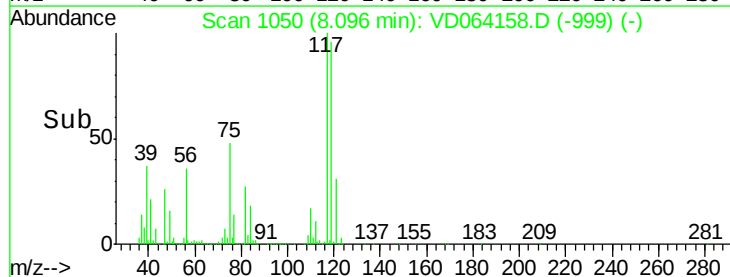
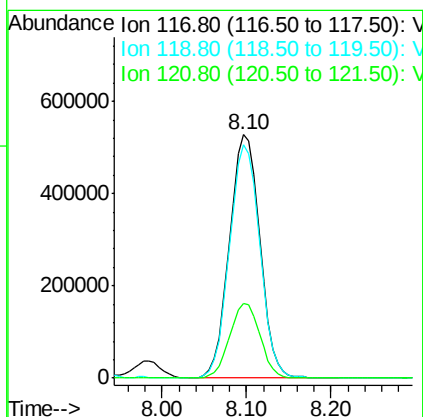
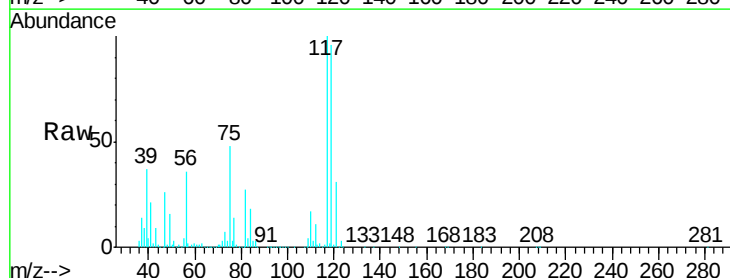
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

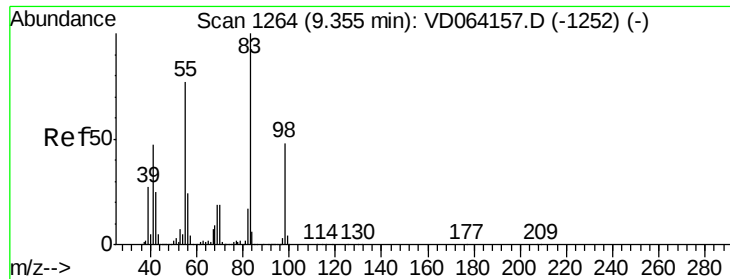
Tgt Ion: 43 Resp: 500242
Ion Ratio Lower Upper
43 100
61 13.3 10.2 15.2
70 10.4 8.5 12.7



#38
Carbon Tetrachloride
Concen: 96.993 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

Tgt Ion: 117 Resp: 1308812
Ion Ratio Lower Upper
117 100
119 96.2 77.2 115.8
121 30.7 25.5 38.3

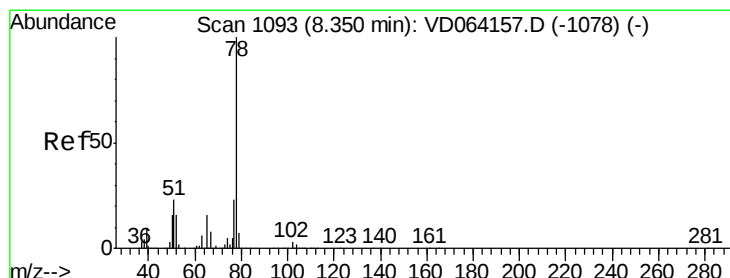
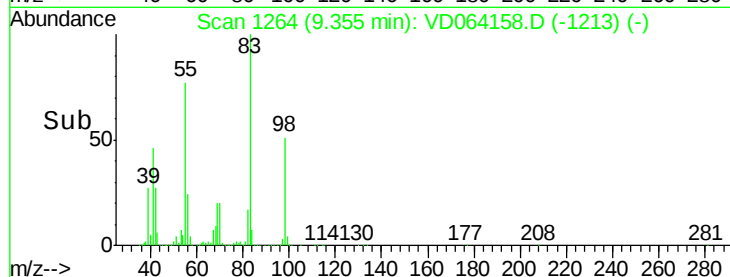
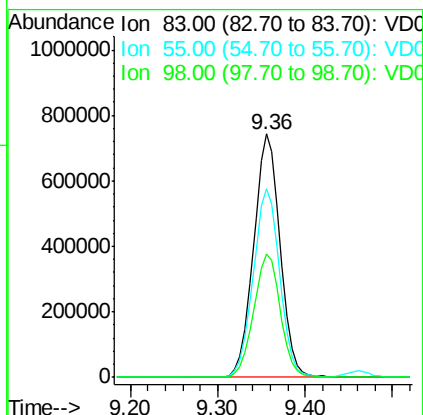
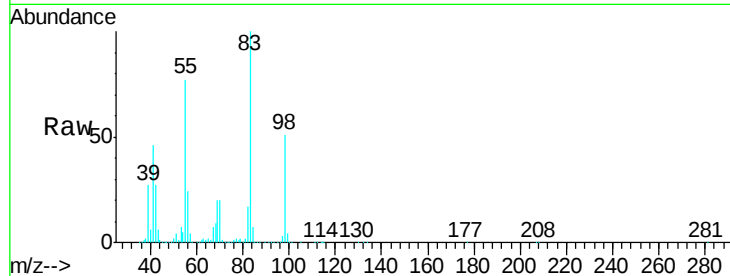




#39
Methylcyclohexane
Concen: 100.799 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

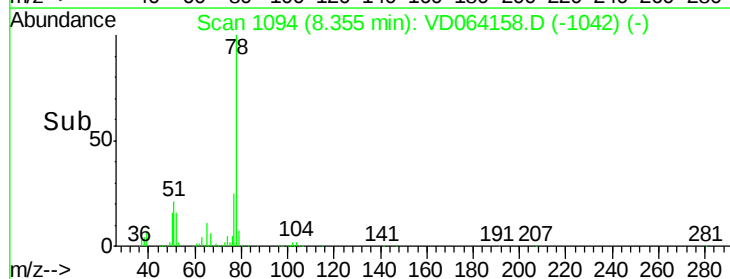
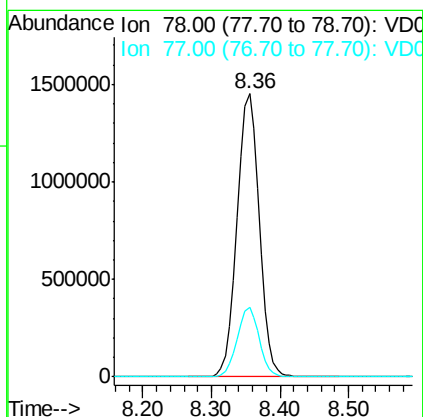
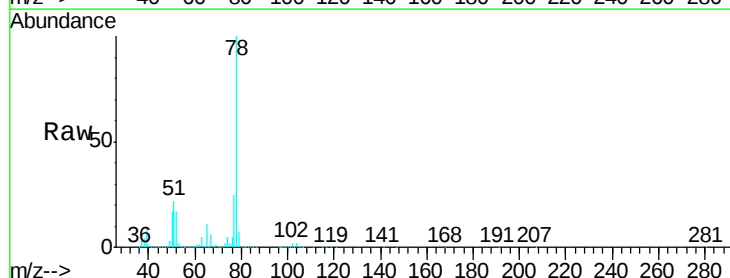
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

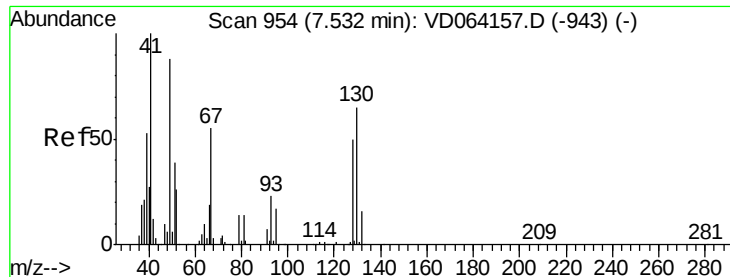
Tgt Ion: 83 Resp: 1527585
Ion Ratio Lower Upper
83 100
55 77.1 61.7 92.5
98 50.8 38.6 58.0



#40
Benzene
Concen: 96.742 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

Tgt Ion: 78 Resp: 3274199
Ion Ratio Lower Upper
78 100
77 24.6 18.6 28.0

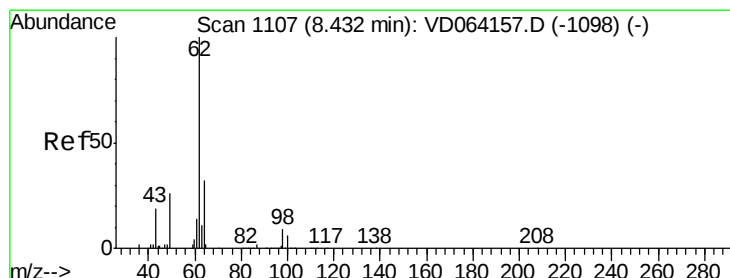
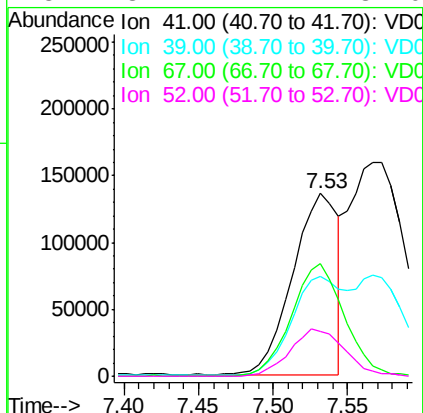
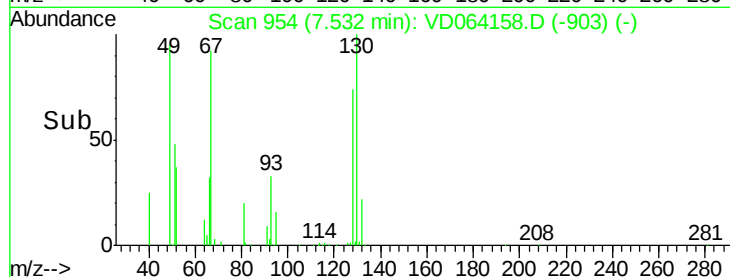
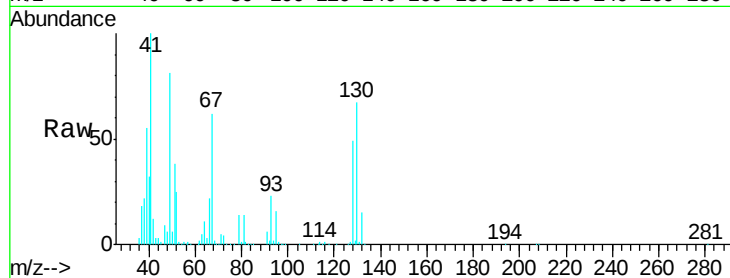




#41
Methacrylonitrile
Concen: 118.114 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

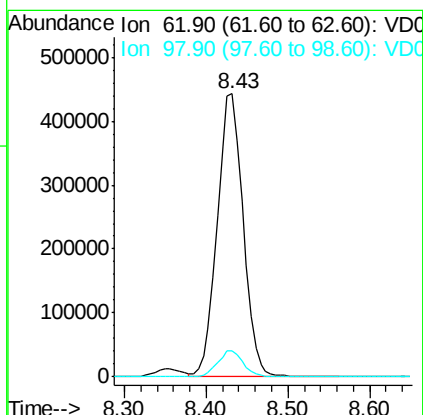
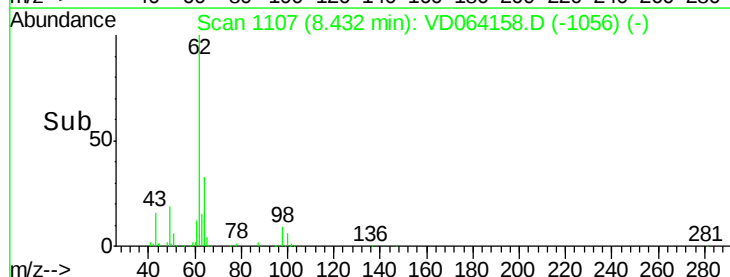
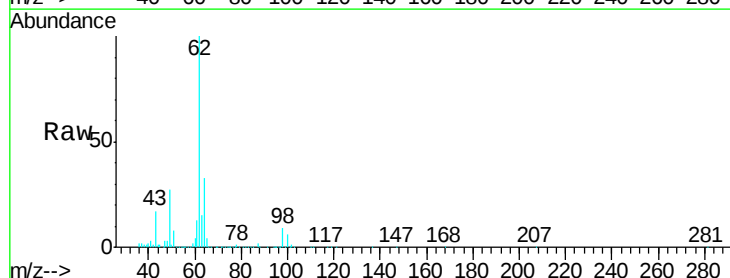
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

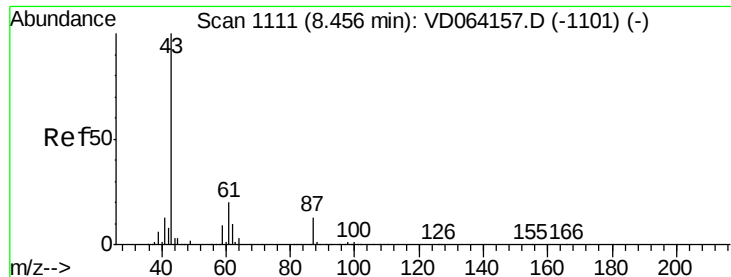
Tgt Ion:	41	Resp:	284903
Ion	Ratio	Lower	Upper
41	100		
39	63.7	49.4	74.2
67	72.4	49.6	74.4
52	31.4	21.4	32.0



#42
1,2-Dichloroethane
Concen: 107.812 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

Tgt Ion:	62	Resp:	979872
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.0





#43

Isopropyl Acetate

Concen: 126.674 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

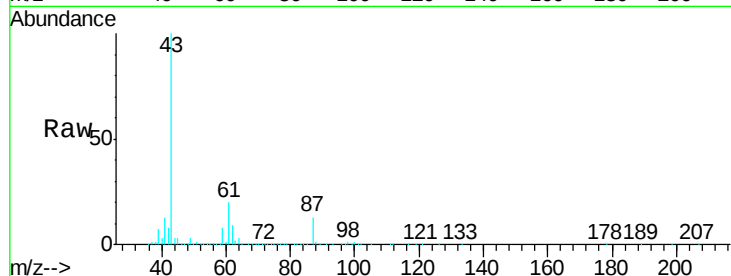
Tgt Ion: 43 Resp: 1042165

Ion Ratio Lower Upper

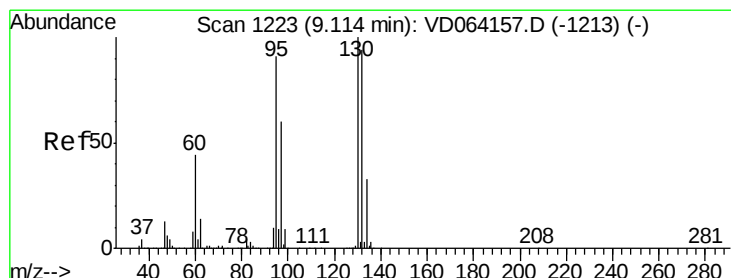
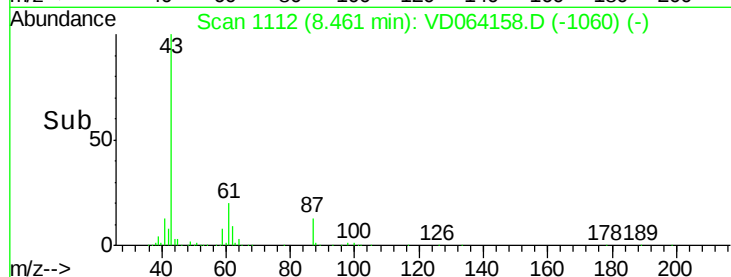
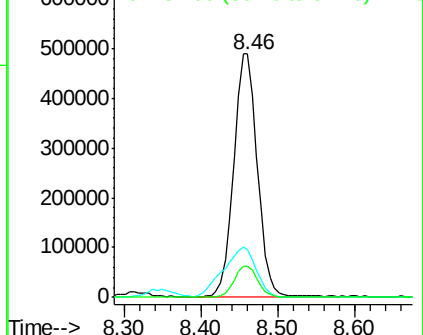
43 100

61 28.5 22.9 34.3

87 13.0 10.2 15.2



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: 95.559 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064158.D

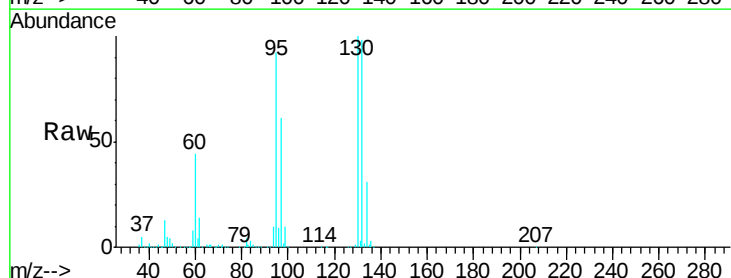
Acq: 08 Nov 2019 15:30

Tgt Ion: 130 Resp: 975659

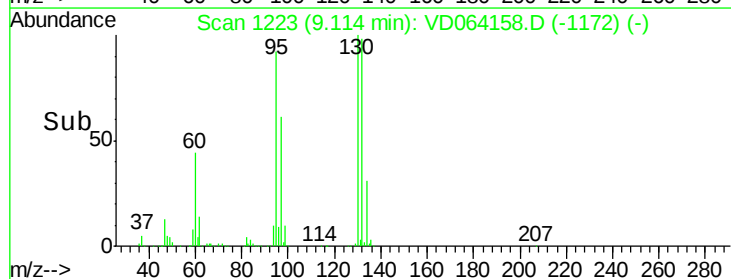
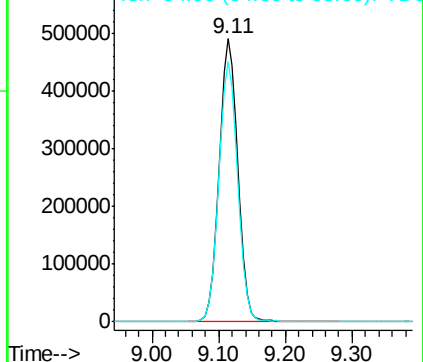
Ion Ratio Lower Upper

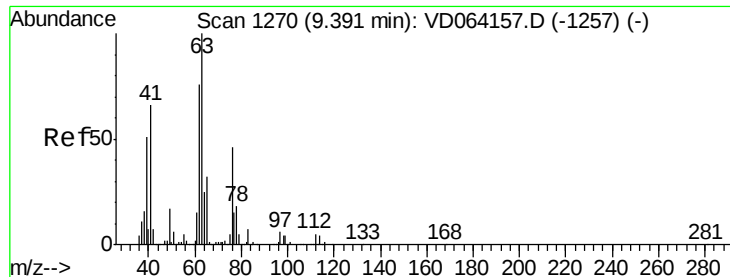
130 100

95 91.9 0.0 181.6



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

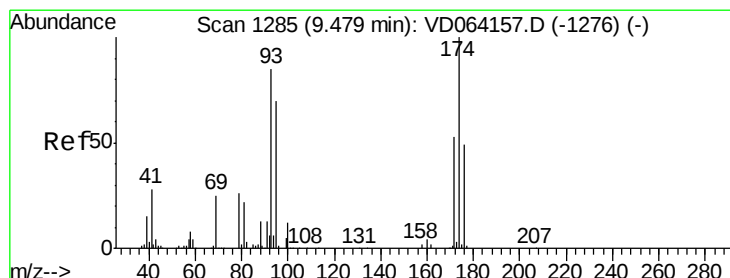
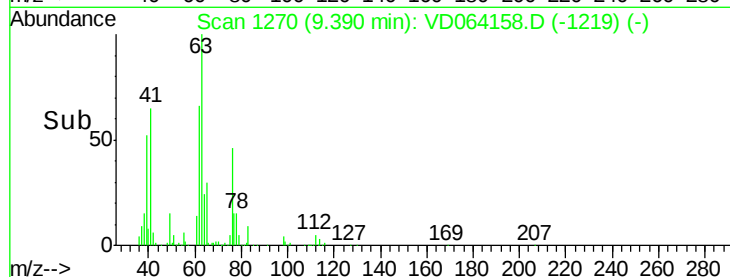
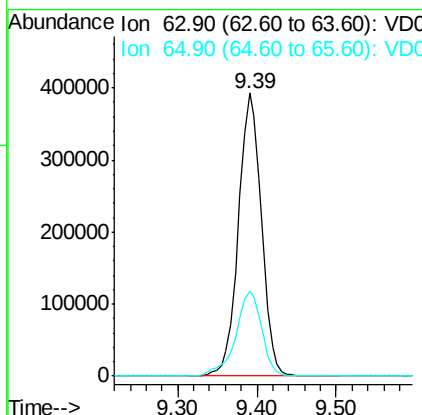
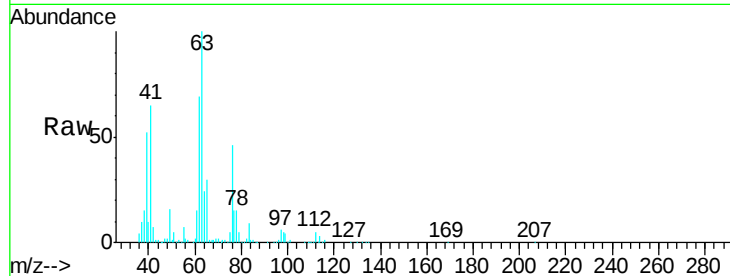




#45
 1,2-Dichloropropane
 Concen: 99.831 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064158.D
 Acq: 08 Nov 2019 15:30

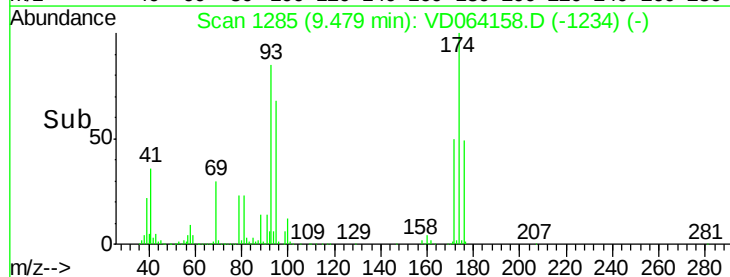
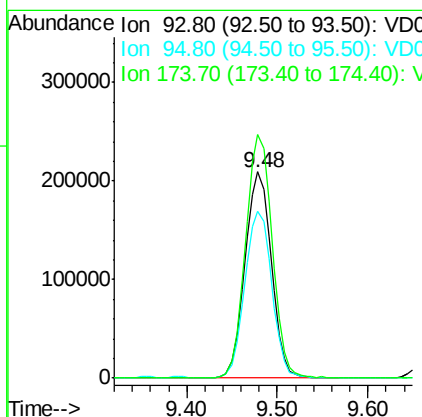
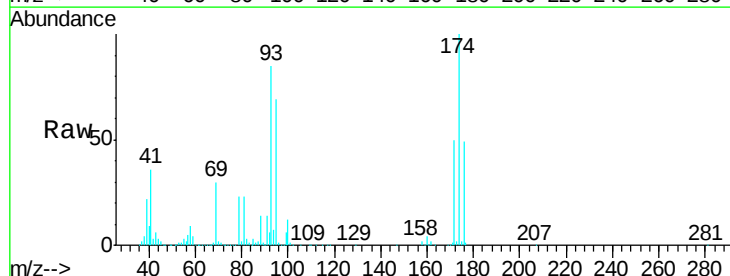
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

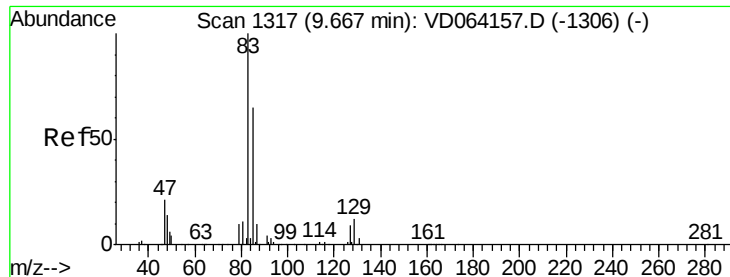
Tgt Ion: 63 Resp: 791255
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.7 38.5



#46
 Dibromomethane
 Concen: 91.263 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064158.D
 Acq: 08 Nov 2019 15:30

Tgt Ion: 93 Resp: 424655
 Ion Ratio Lower Upper
 93 100
 95 82.1 65.5 98.3
 174 118.8 93.9 140.9





#47

Bromodichloromethane

Concen: 96.356 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

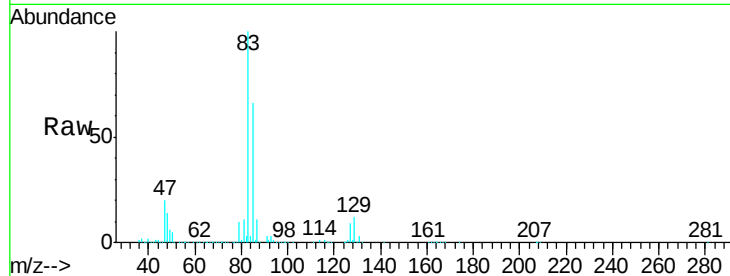
Tgt Ion: 83 Resp: 1141241

Ion Ratio Lower Upper

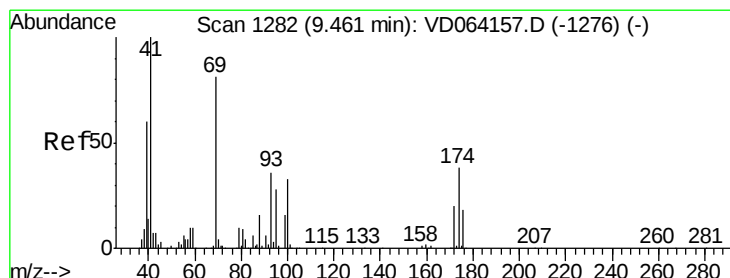
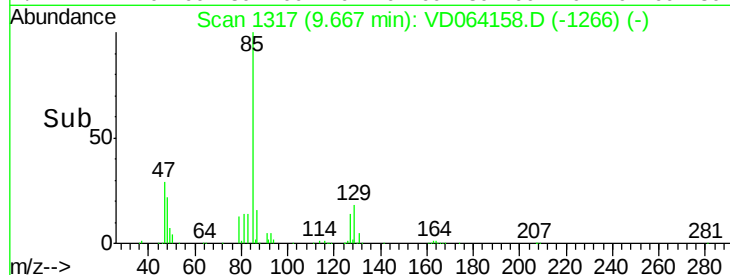
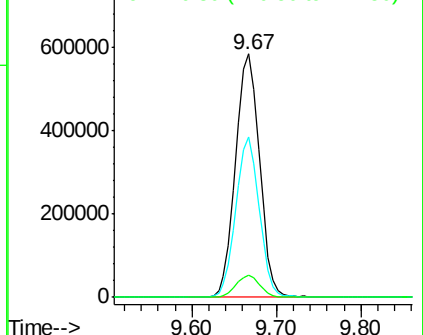
83 100

85 65.8 52.2 78.4

127 9.0 7.5 11.3



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: 128.385 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

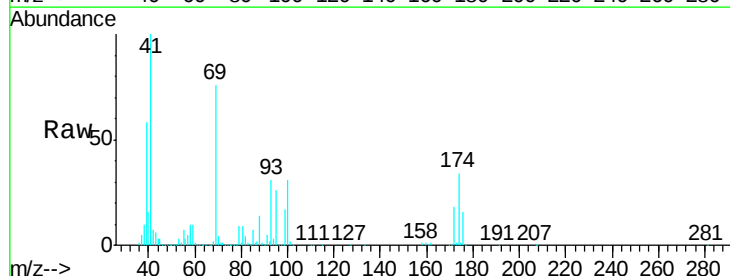
Tgt Ion: 41 Resp: 490167

Ion Ratio Lower Upper

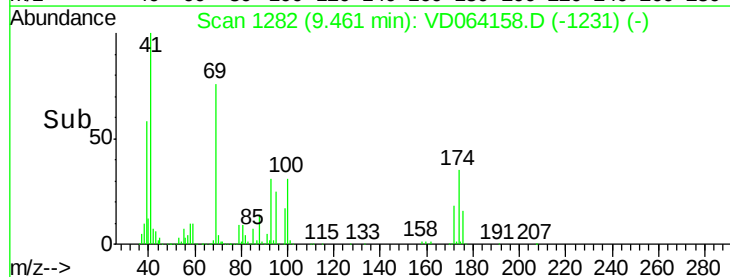
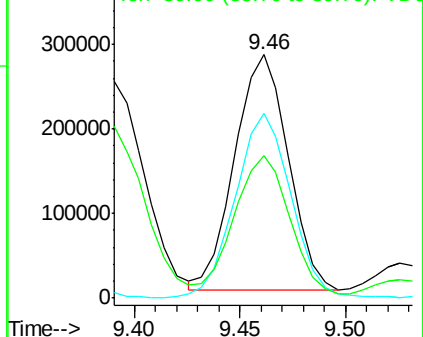
41 100

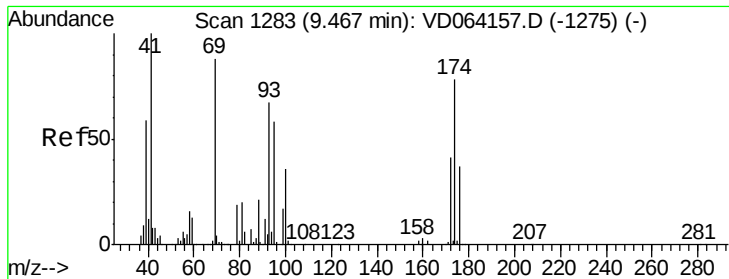
69 80.7 64.6 97.0

39 59.8 48.2 72.2



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

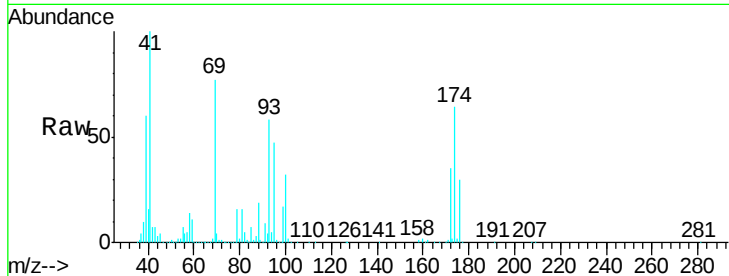




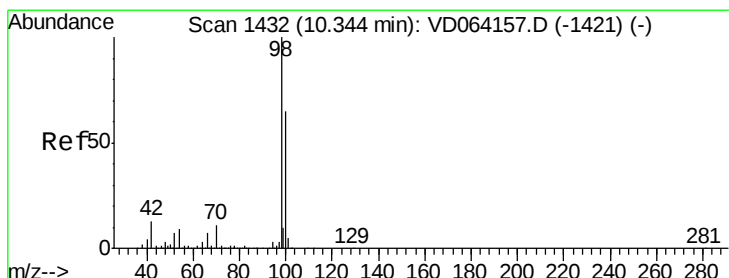
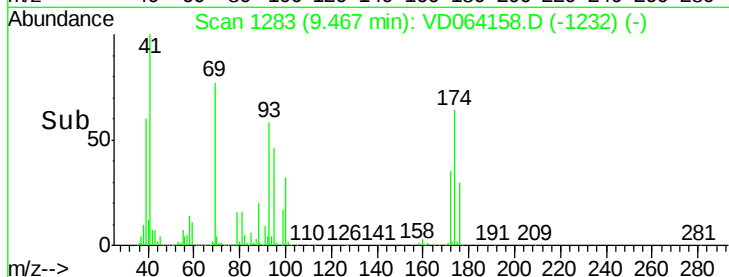
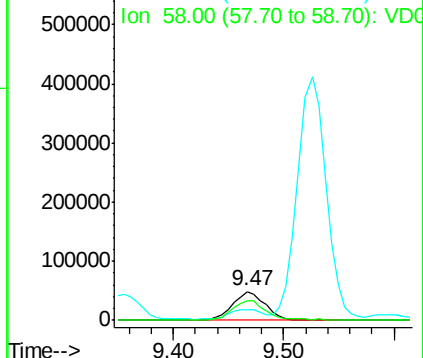
#49
1,4-Dioxane
Concen: 1927.015 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 88 Resp: 101243
Ion Ratio Lower Upper
88 100
43 39.7 29.8 44.8
58 74.2 58.1 87.1

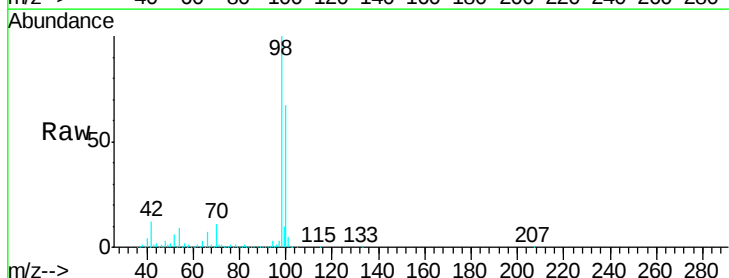


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

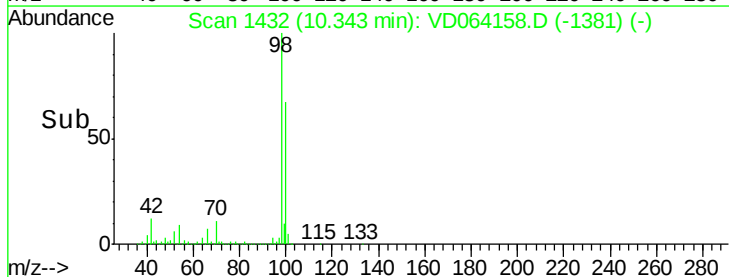
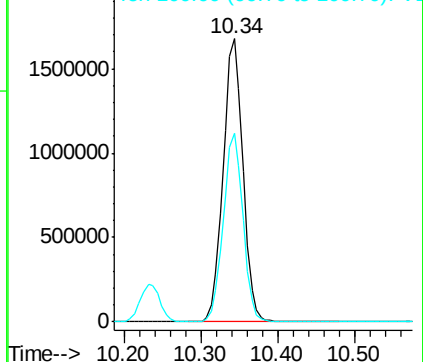


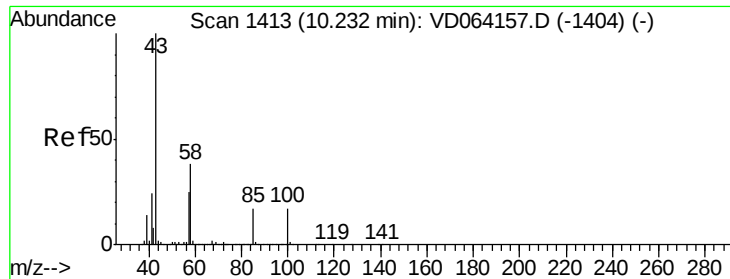
#50
Toluene-d8
Concen: 92.968 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

Tgt Ion: 98 Resp: 2998296
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8



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

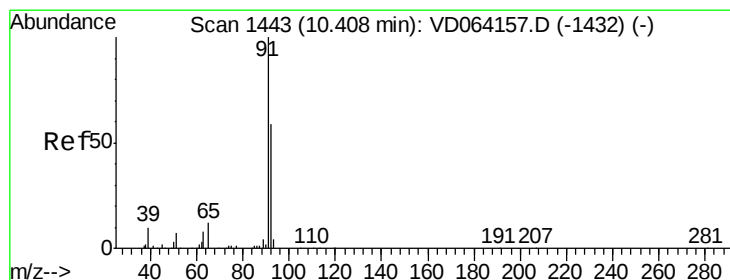
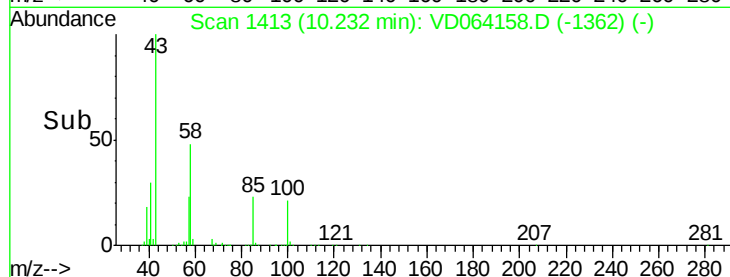
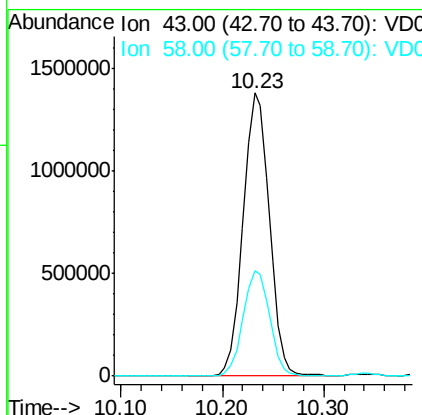
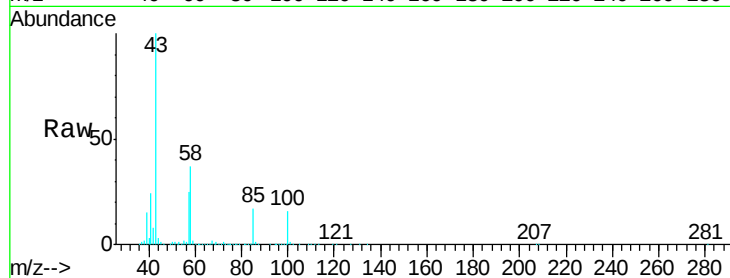




#51
 4-Methyl-2-Pentanone
 Concen: 576.216 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD064158.D
 Acq: 08 Nov 2019 15:30

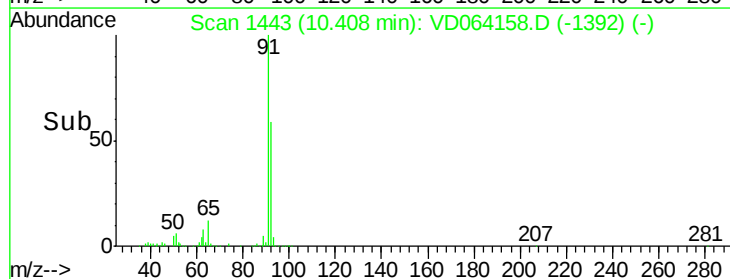
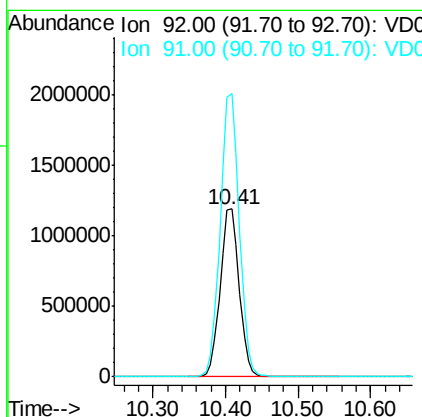
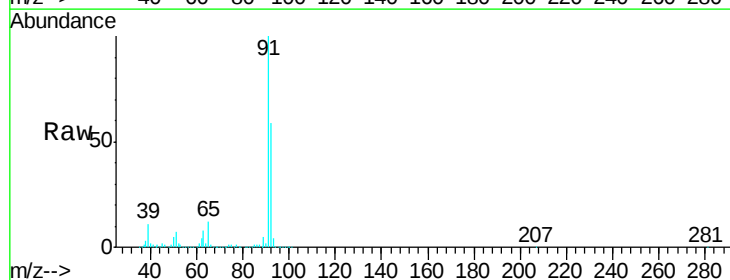
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

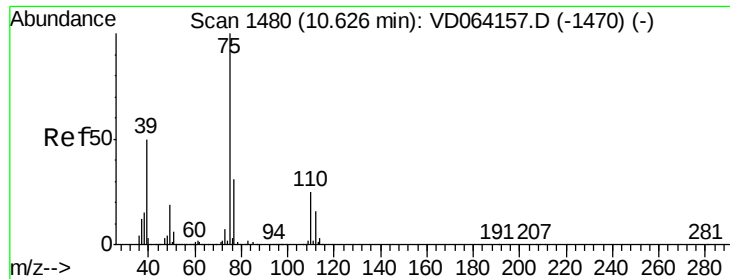
Tgt Ion: 43 Resp: 2490743
 Ion Ratio Lower Upper
 43 100
 58 37.6 30.2 45.4



#52
 Toluene
 Concen: 92.895 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD064158.D
 Acq: 08 Nov 2019 15:30

Tgt Ion: 92 Resp: 2171090
 Ion Ratio Lower Upper
 92 100
 91 169.5 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 104.229 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

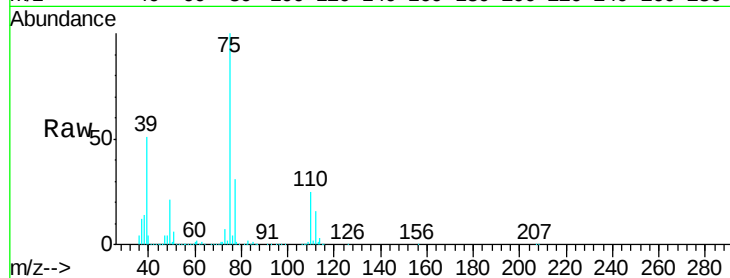
VSTDIC100

Tgt Ion: 75 Resp: 1161209

Ion Ratio Lower Upper

75 100

77 31.4 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

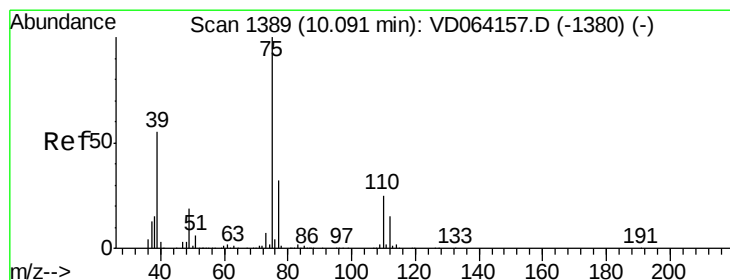
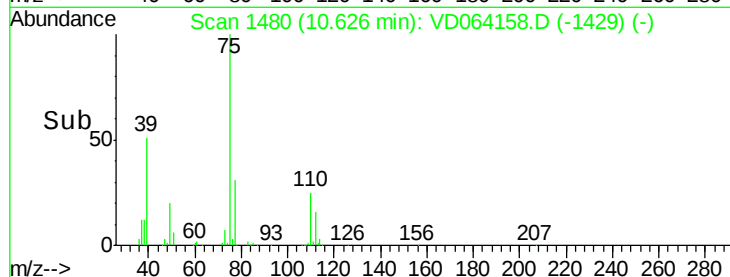
600000

400000

200000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 102.647 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

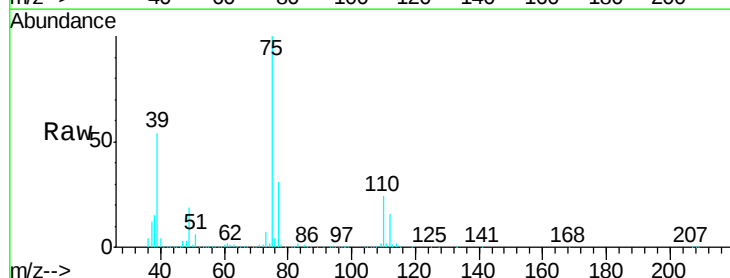
Tgt Ion: 75 Resp: 1349663

Ion Ratio Lower Upper

75 100

77 30.9 25.2 37.8

39 54.4 44.2 66.2



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

1000000

800000

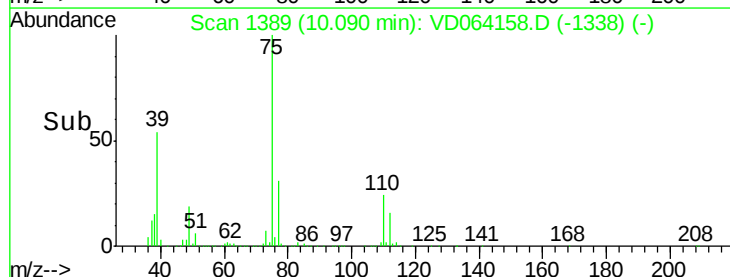
600000

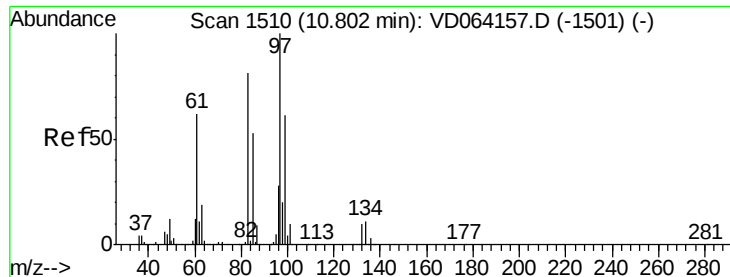
400000

200000

0

Time--> 10.00 10.10 10.20

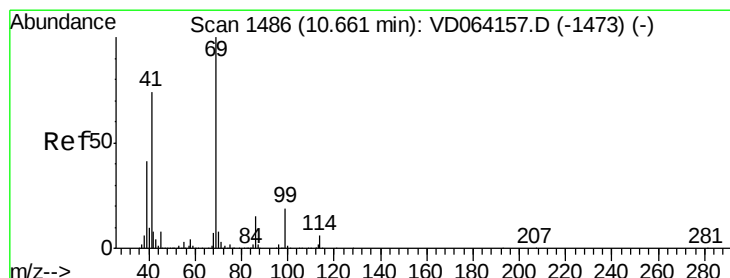
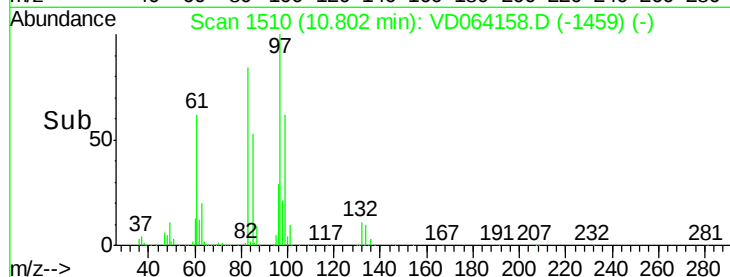
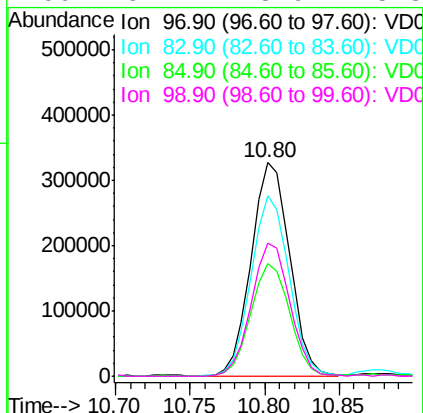
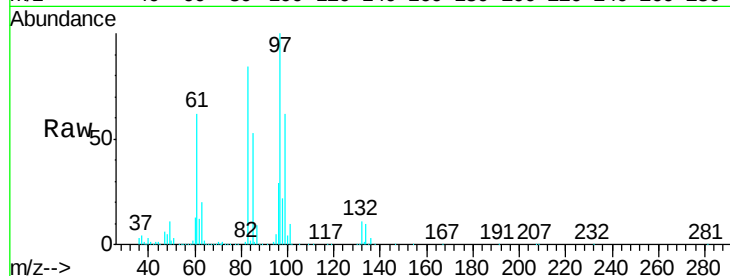




#55
 1,1,2-Trichloroethane
 Concen: 89.077 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064158.D
 Acq: 08 Nov 2019 15:30

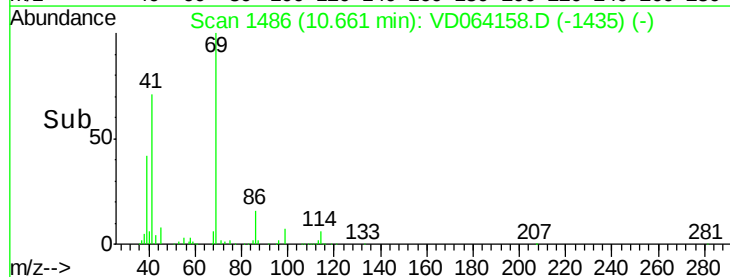
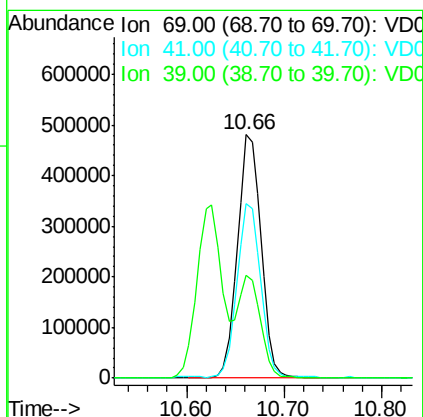
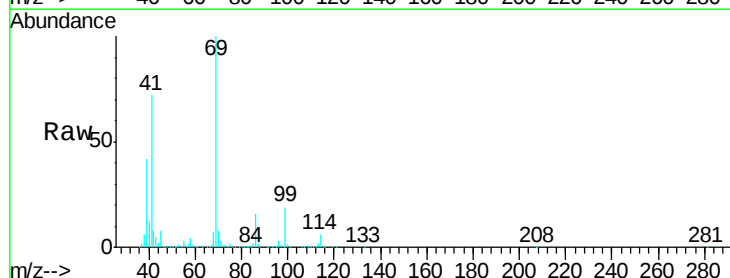
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

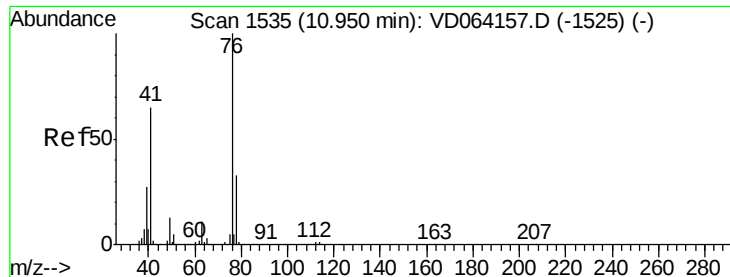
Tgt Ion:	97	Resp:	582419
Ion	Ratio	Lower	Upper
97	100		
83	84.3	65.1	97.7
85	52.9	42.0	63.0
99	62.1	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 109.709 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064158.D
 Acq: 08 Nov 2019 15:30

Tgt Ion:	69	Resp:	808397
Ion	Ratio	Lower	Upper
69	100		
41	70.9	57.9	86.9
39	36.7	29.0	43.4





#57

1,3-Dichloropropane

Concen: 93.053 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

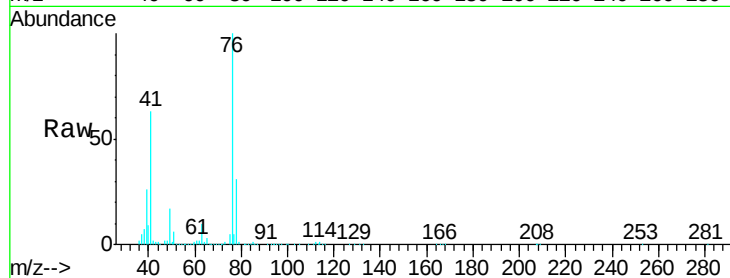
VSTDIC100

Tgt Ion: 76 Resp: 1015017

Ion Ratio Lower Upper

76 100

78 32.2 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

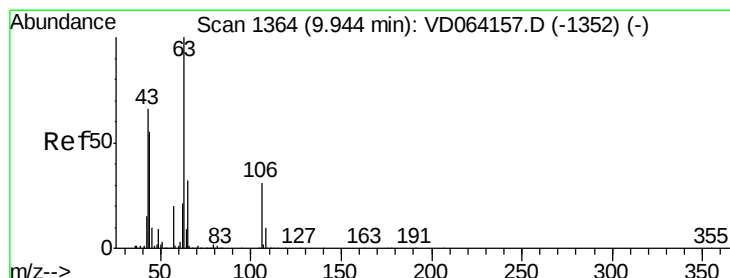
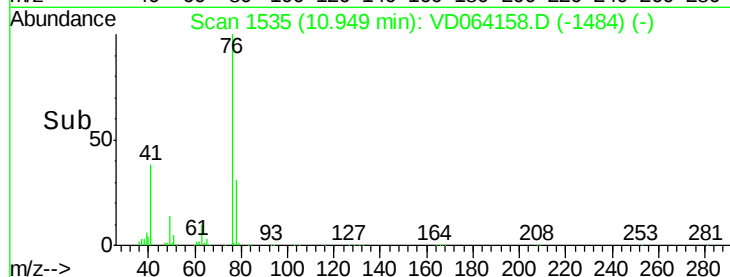
600000

400000

200000

0

Time--> 10.80 10.90 11.00 11.10



#58

2-Chloroethyl Vinyl ether

Concen: 543.797 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064158.D

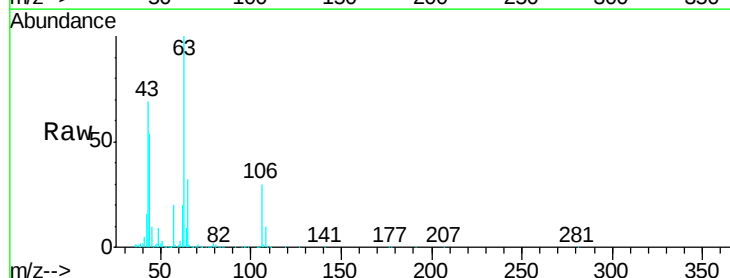
Acq: 08 Nov 2019 15:30

Tgt Ion: 63 Resp: 1636346

Ion Ratio Lower Upper

63 100

106 30.5 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

1000000

800000

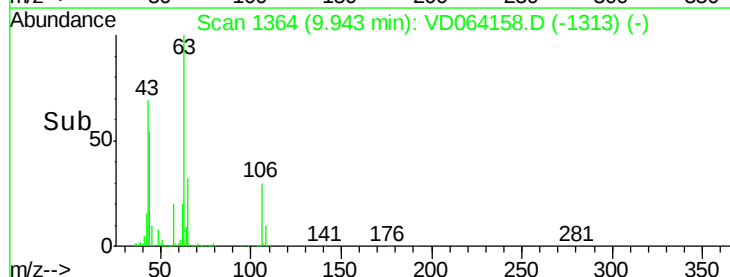
600000

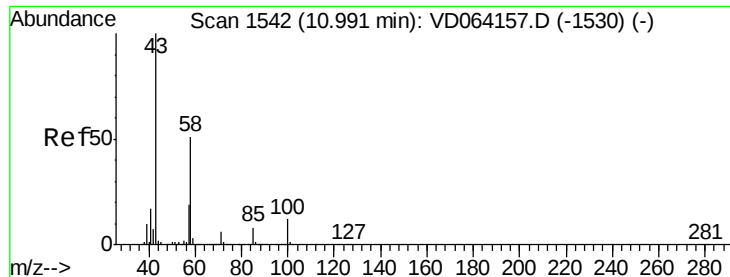
400000

200000

0

Time--> 9.90 10.00 10.10

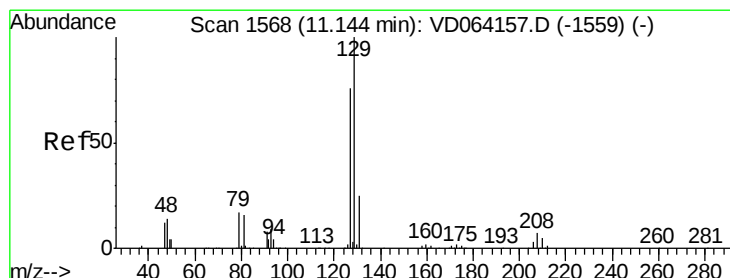
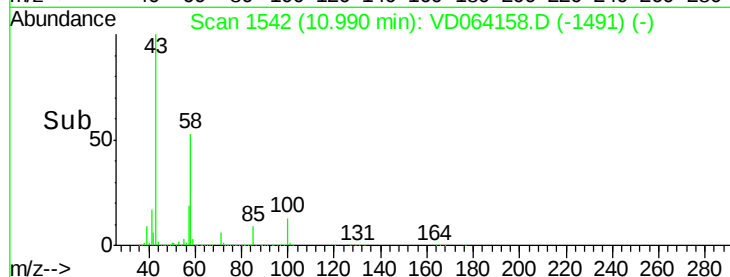
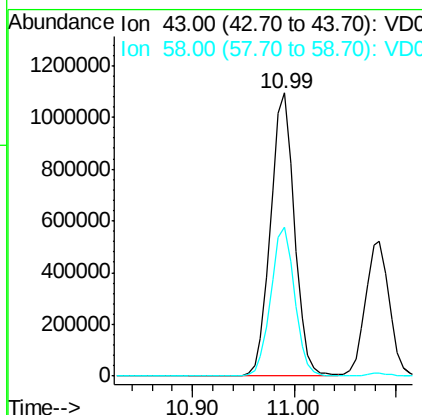
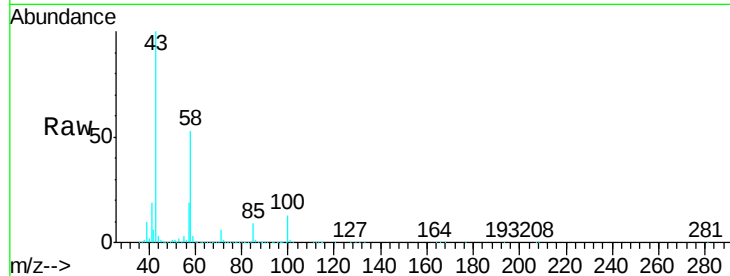




#59
2-Hexanone
Concen: 585.765 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

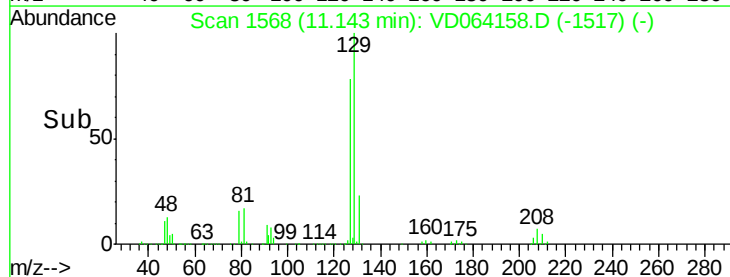
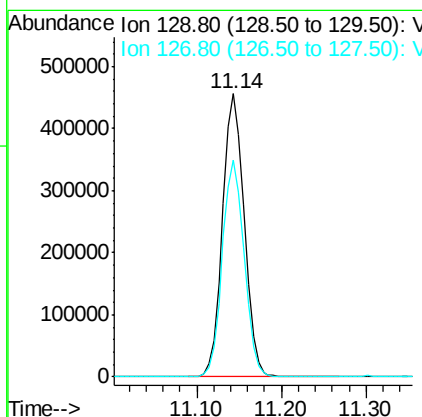
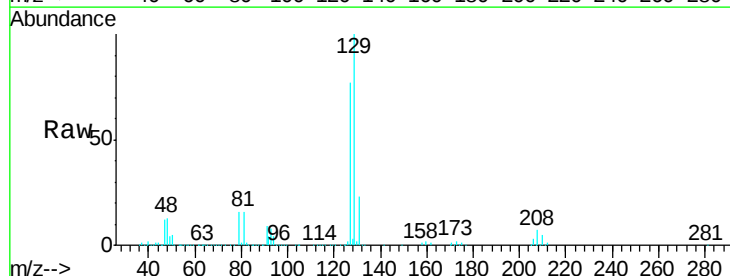
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

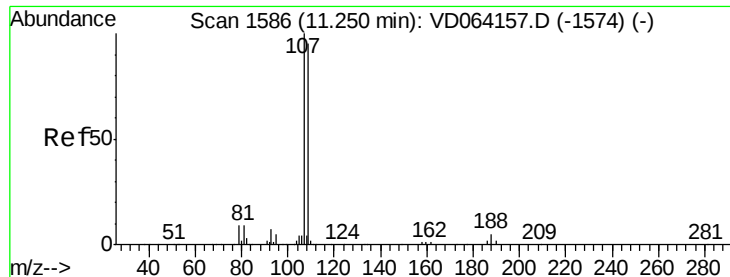
Tgt Ion: 43 Resp: 1793910
Ion Ratio Lower Upper
43 100
58 52.6 25.9 77.7



#60
Dibromochloromethane
Concen: 91.301 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

Tgt Ion: 129 Resp: 812197
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8

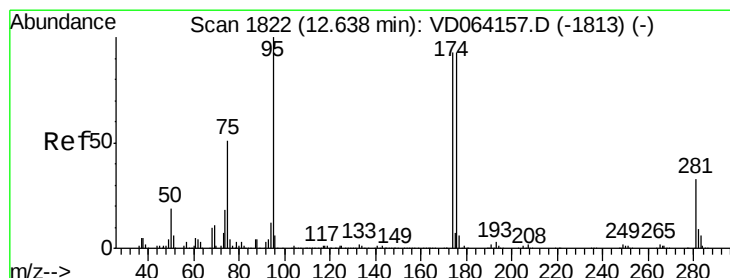
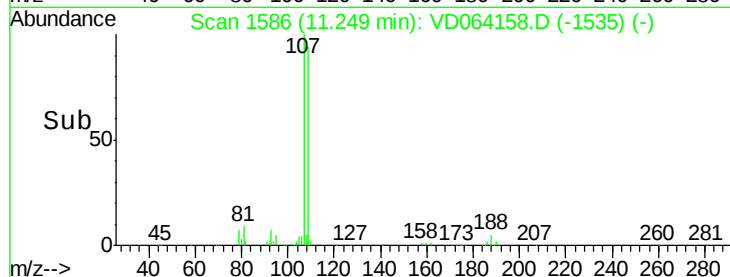
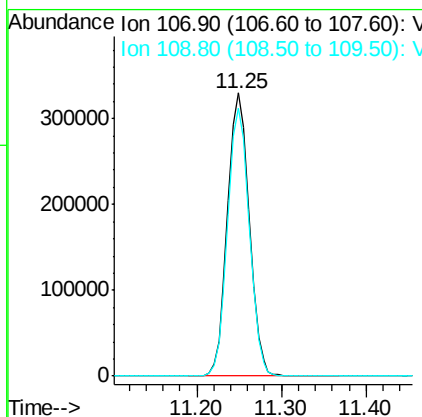
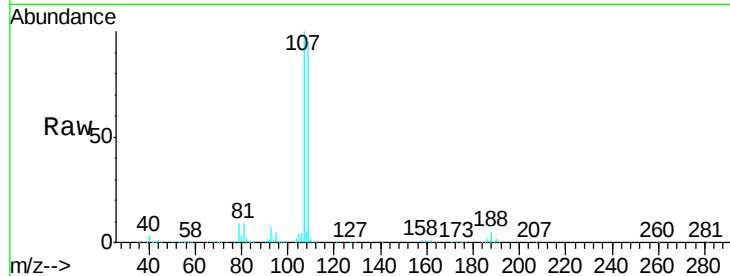




#61
 1,2-Dibromoethane
 Concen: 89.857 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064158.D
 Acq: 08 Nov 2019 15:30

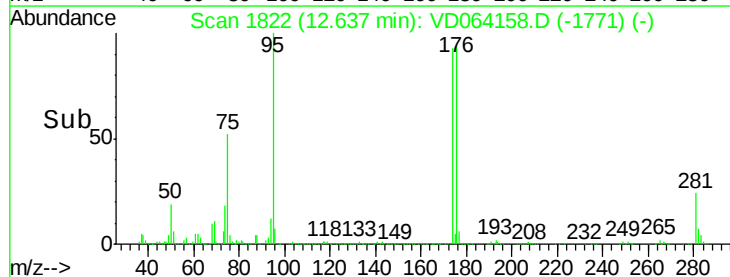
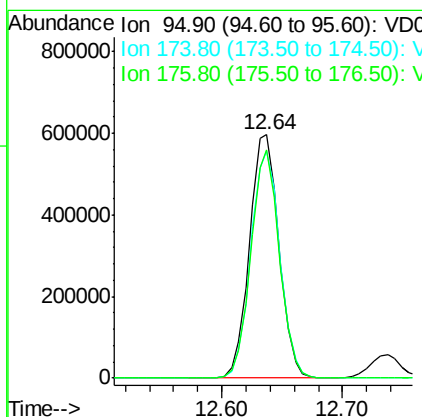
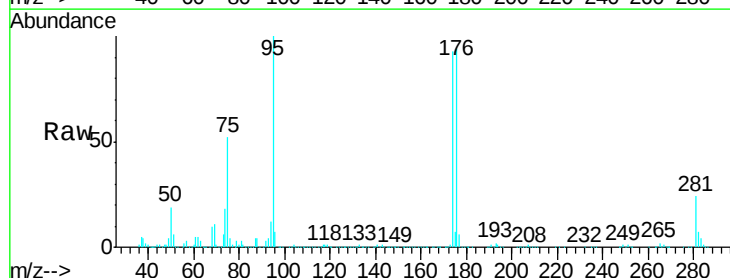
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

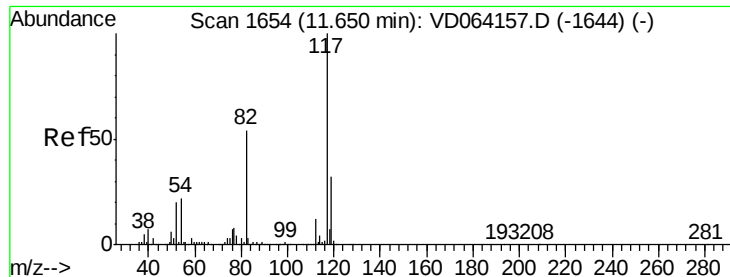
Tgt Ion: 107 Resp: 585771
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 94.720 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064158.D
 Acq: 08 Nov 2019 15:30

Tgt Ion: 95 Resp: 1012342
 Ion Ratio Lower Upper
 95 100
 174 92.1 0.0 183.6
 176 90.3 0.0 180.2

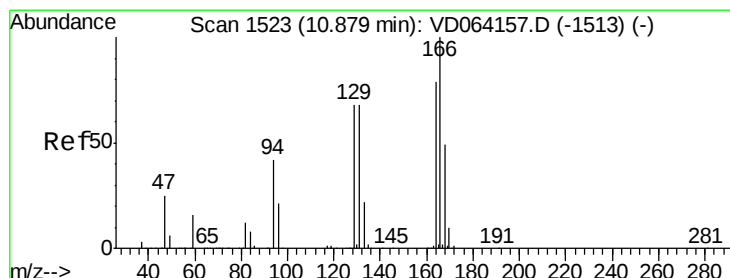
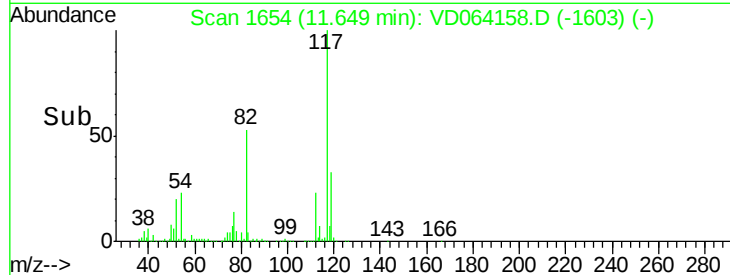
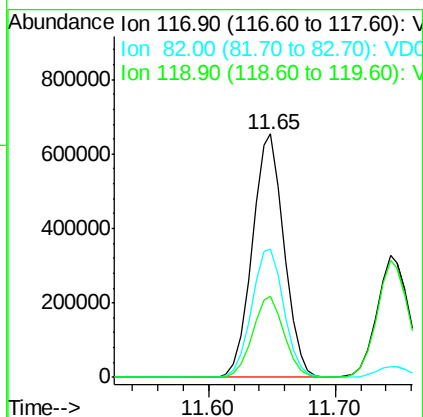
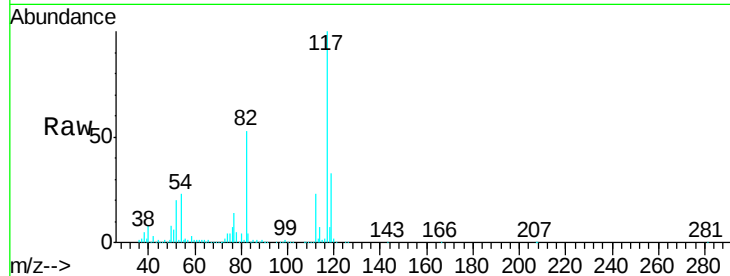




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

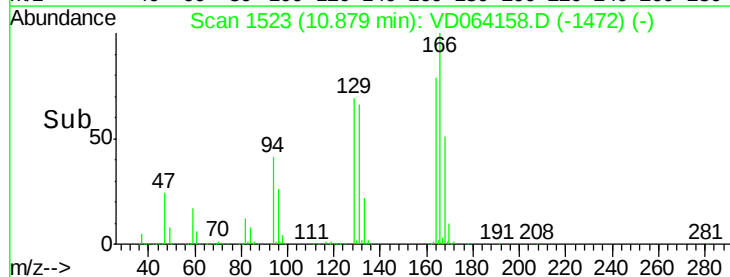
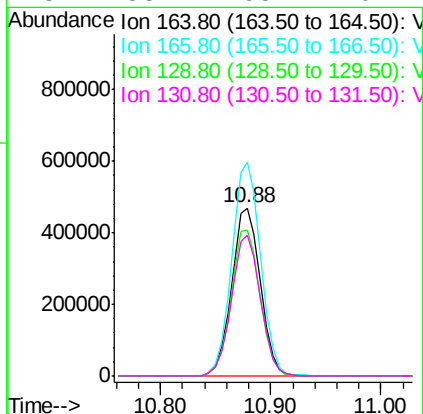
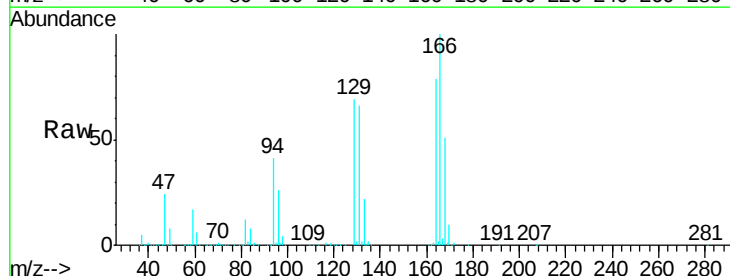
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

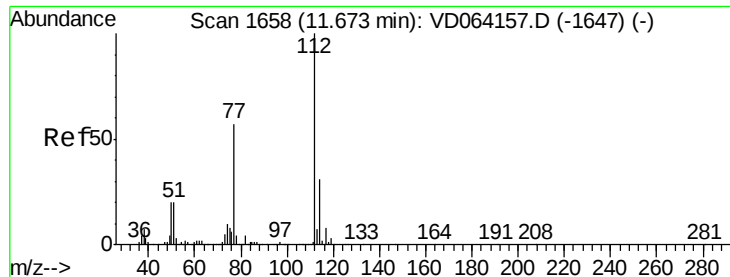
Tgt Ion:117 Resp: 1139291
Ion Ratio Lower Upper
117 100
82 52.6 42.8 64.2
119 33.1 25.6 38.4



#64
Tetrachloroethene
Concen: 102.707 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

Tgt Ion:164 Resp: 856156
Ion Ratio Lower Upper
164 100
166 127.3 100.8 151.2
129 87.3 68.7 103.1
131 83.7 68.1 102.1





#65

Chlorobenzene

Concen: 96.020 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

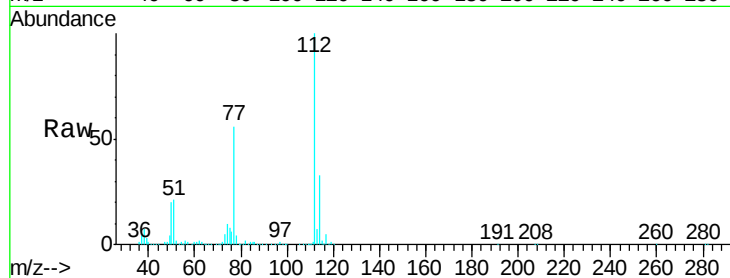
VSTDIC100

Tgt Ion:112 Resp: 2259702

Ion Ratio Lower Upper

112 100

114 32.6 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

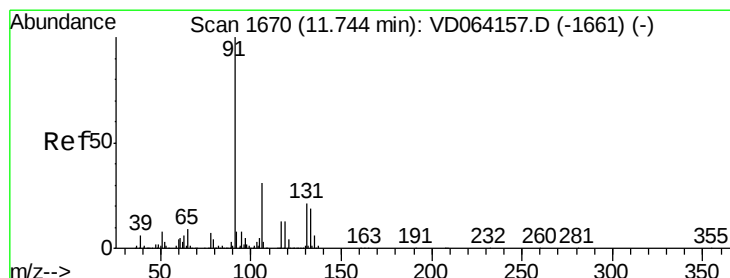
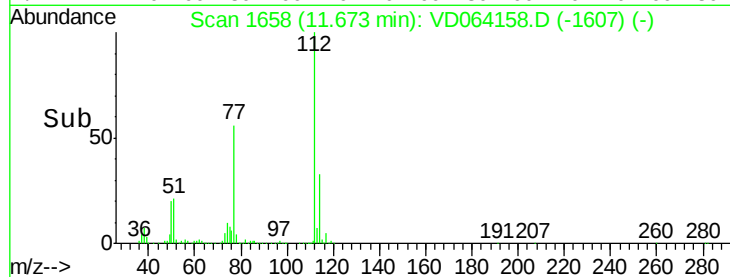
1500000

1000000

500000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 98.468 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

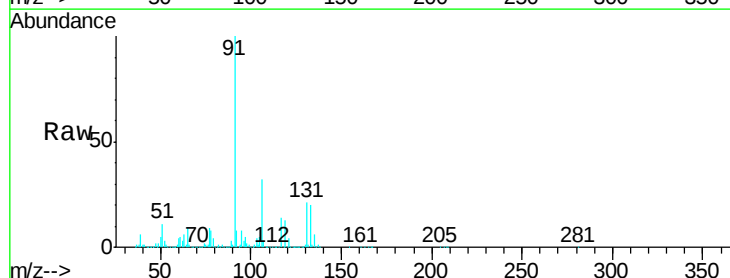
Tgt Ion:131 Resp: 870398

Ion Ratio Lower Upper

131 100

133 95.5 47.3 141.9

119 62.7 31.1 93.3



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

11.74

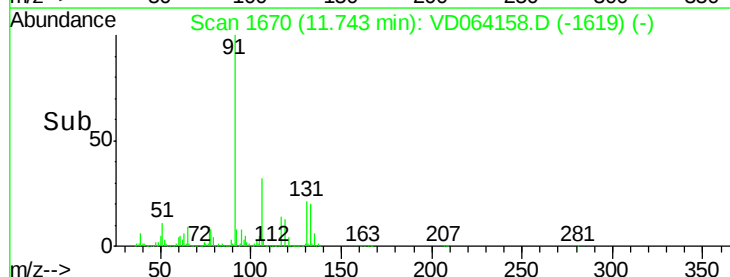
600000

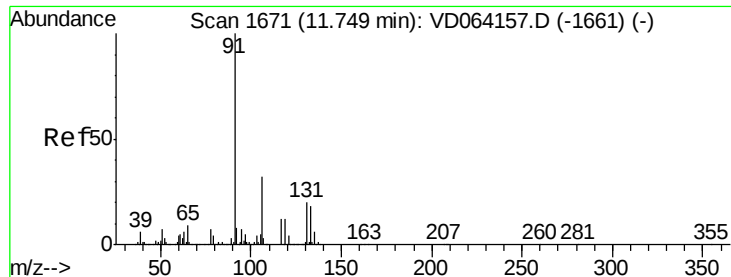
400000

200000

0

Time-->





#67

Ethyl Benzene

Concen: 97.445 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

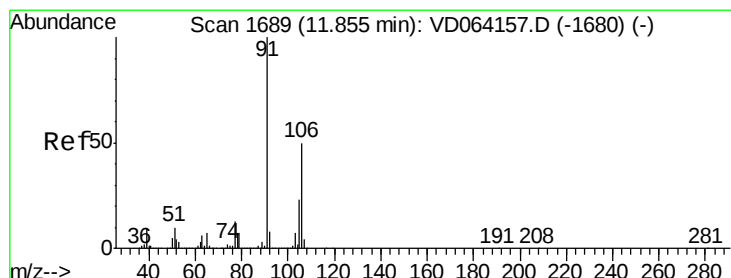
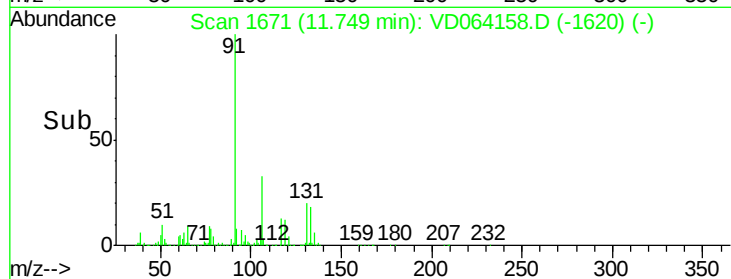
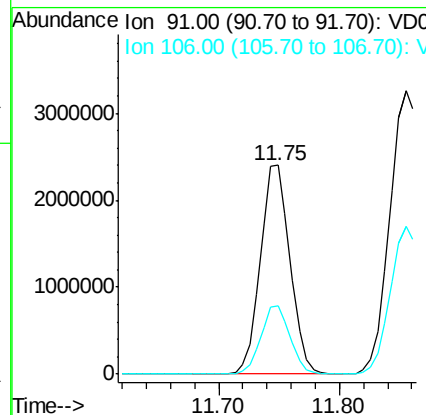
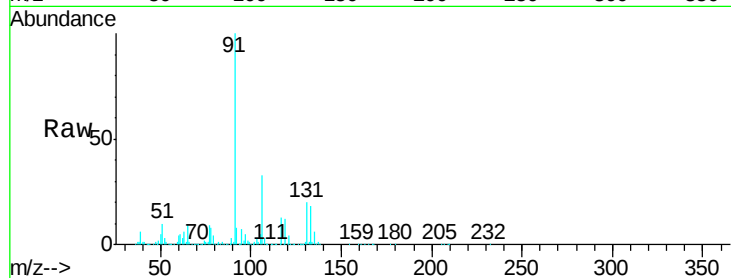
VSTDIC100

Tgt Ion: 91 Resp: 4090873

Ion Ratio Lower Upper

91 100

106 32.6 25.5 38.3



#68

m/p-Xylenes

Concen: 191.298 ug/l

RT: 11.85 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064158.D

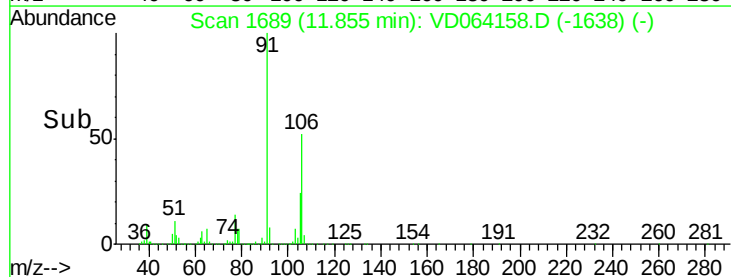
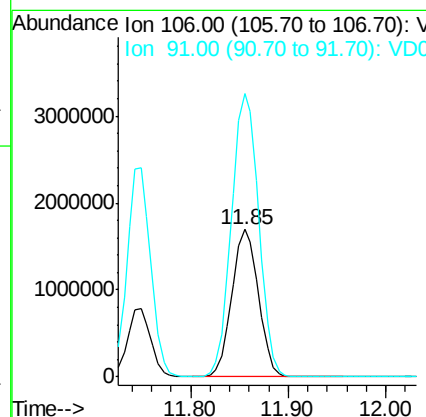
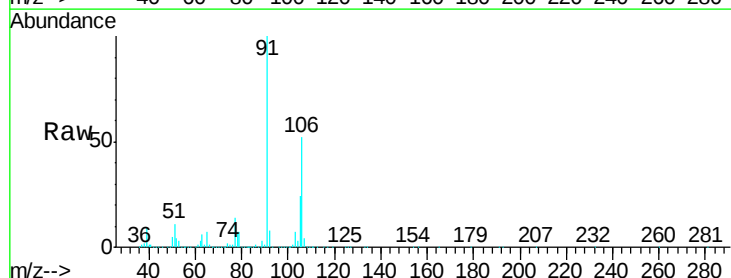
Acq: 08 Nov 2019 15:30

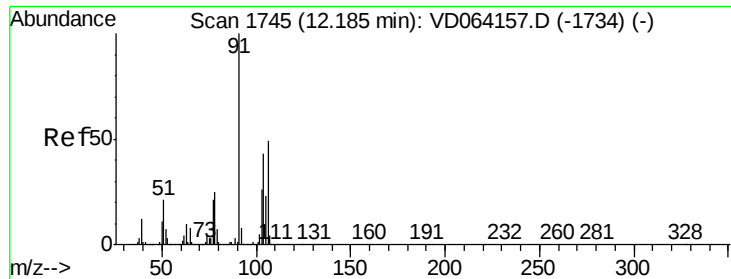
Tgt Ion: 106 Resp: 3201405

Ion Ratio Lower Upper

106 100

91 196.2 160.3 240.5

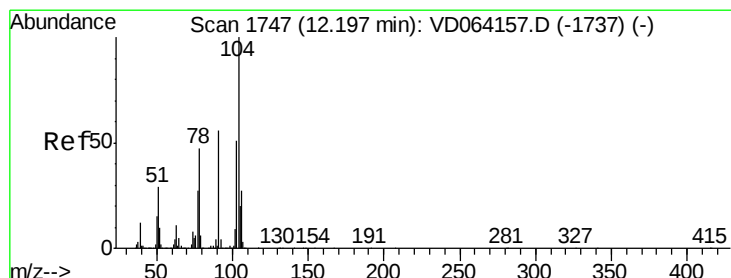
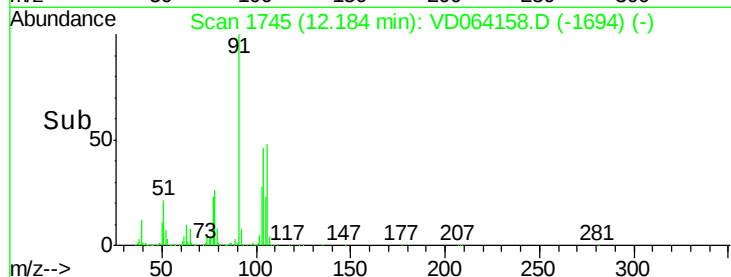
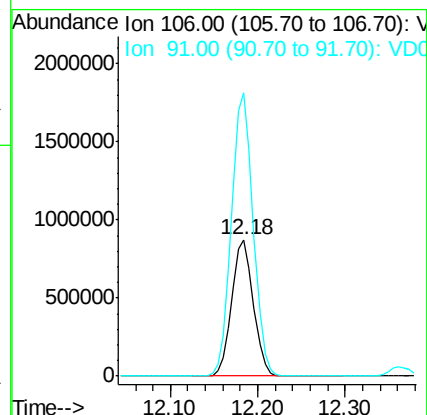
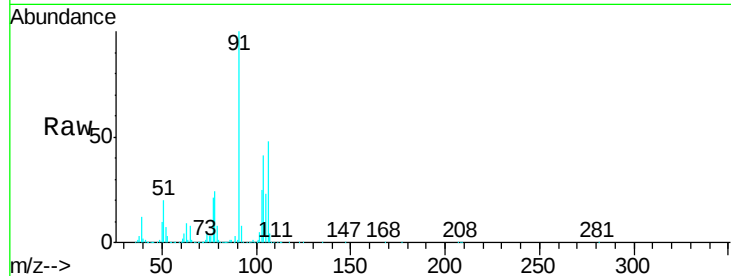




#69
o-Xylene
Concen: 95.908 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

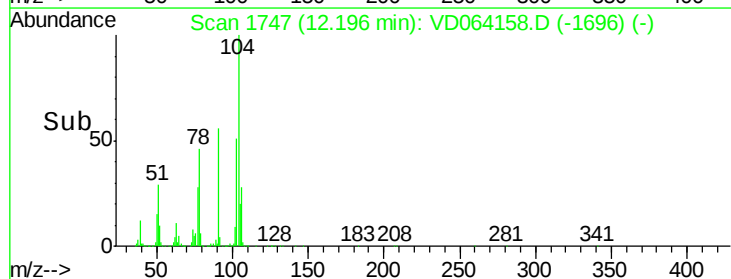
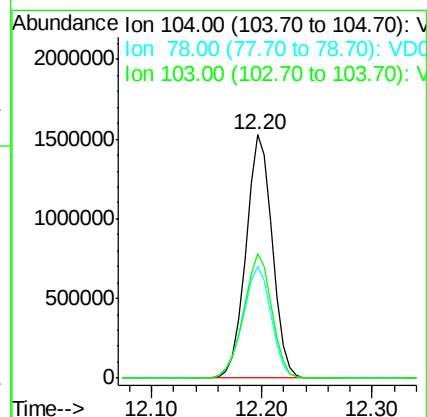
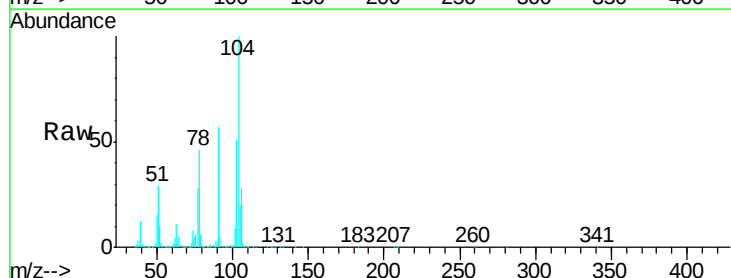
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

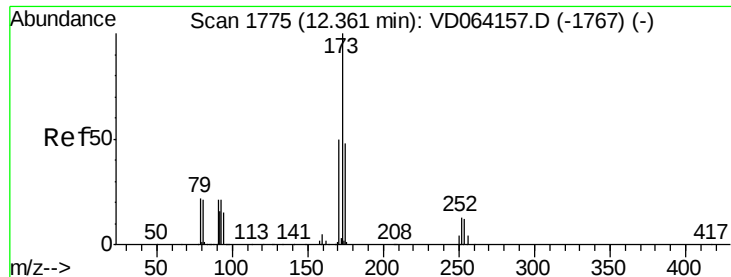
Tgt Ion:106 Resp: 1467107
Ion Ratio Lower Upper
106 100
91 209.5 105.1 315.3



#70
Styrene
Concen: 97.102 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

Tgt Ion:104 Resp: 2555846
Ion Ratio Lower Upper
104 100
78 49.5 39.9 59.9
103 54.7 43.4 65.0





#71

Bromoform

Concen: 104.418 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

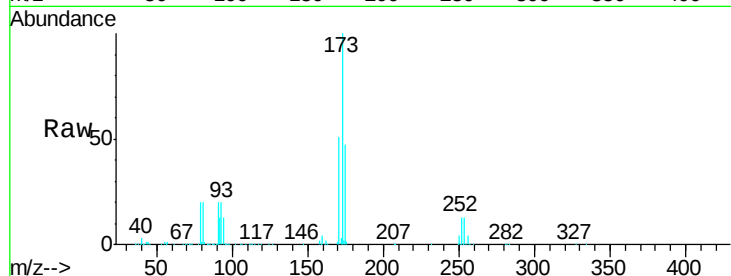
Tgt Ion:173 Resp: 498780

Ion Ratio Lower Upper

173 100

175 48.9 24.1 72.3

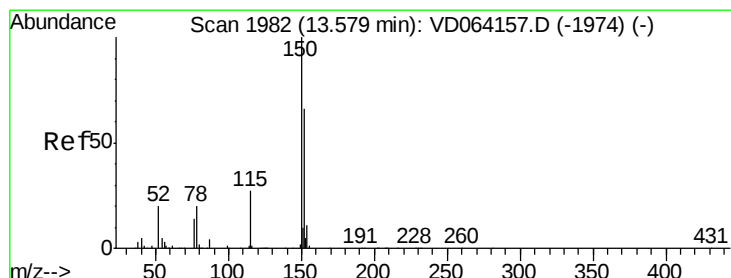
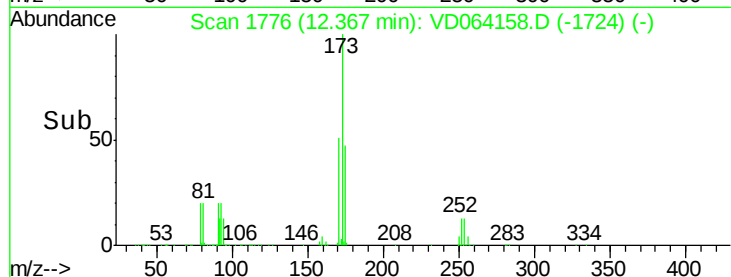
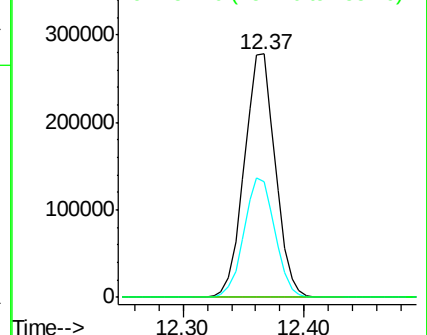
254 0.1 0.2 0.2#



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: VD064158.D

Acq: 08 Nov 2019 15:30

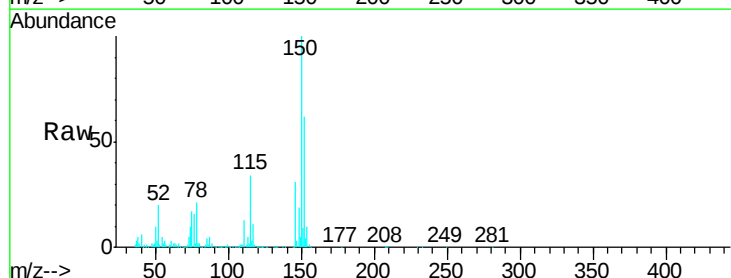
Tgt Ion:152 Resp: 572126

Ion Ratio Lower Upper

152 100

115 54.6 27.4 82.2

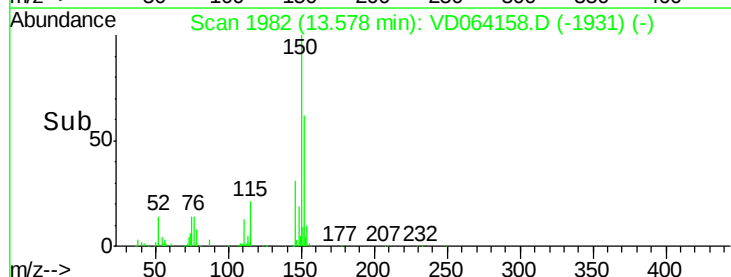
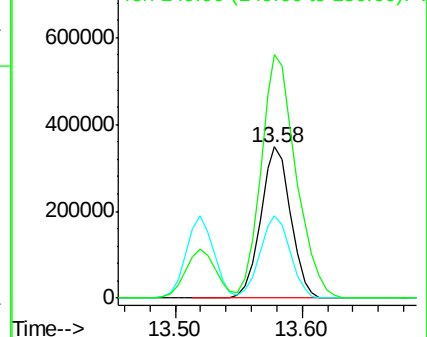
150 186.9 0.0 351.6

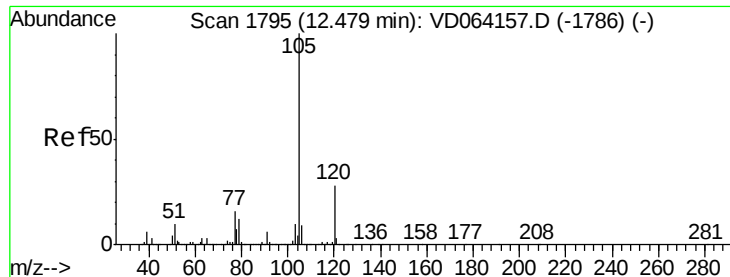


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 99.333 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA_D

ClientSampled :

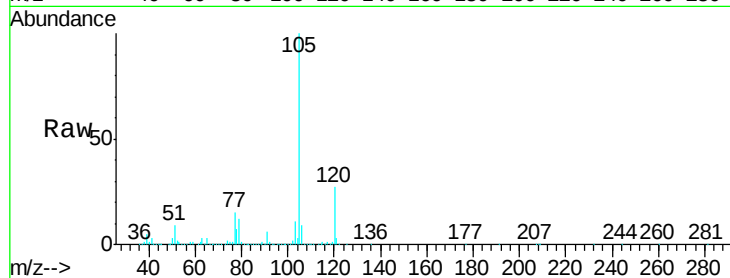
VSTDIC100

Tgt Ion:105 Resp: 4020866

Ion Ratio Lower Upper

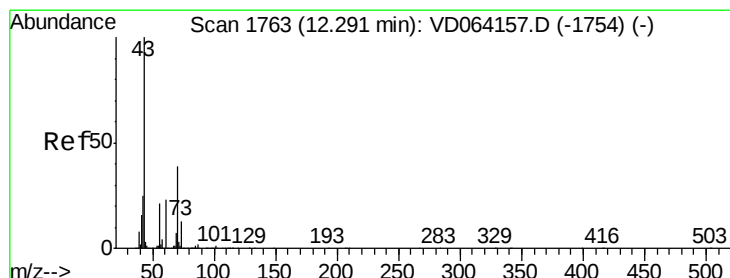
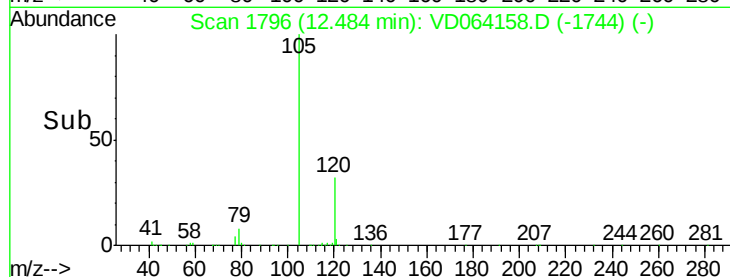
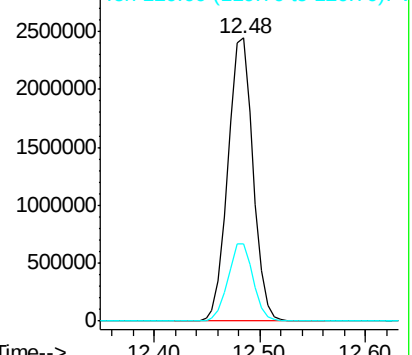
105 100

120 27.3 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 131.382 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Tgt Ion: 43 Resp: 942106

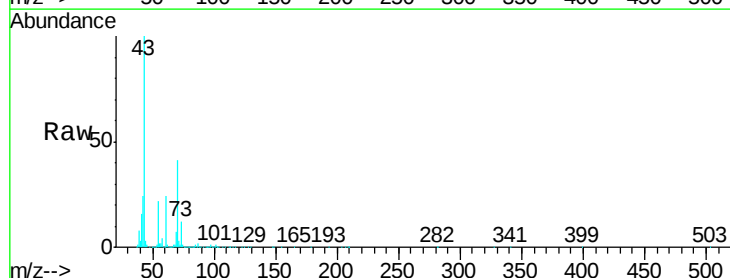
Ion Ratio Lower Upper

43 100

70 40.9 32.4 48.6

55 21.8 17.9 26.9

61 23.6 19.0 28.4

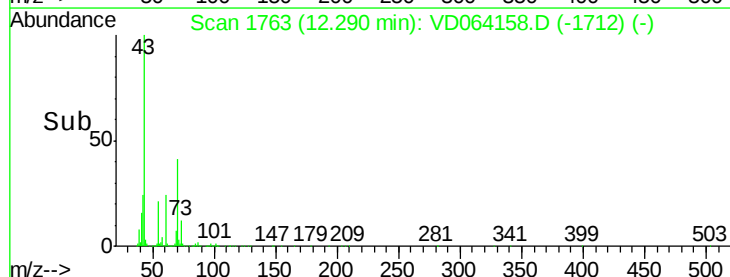
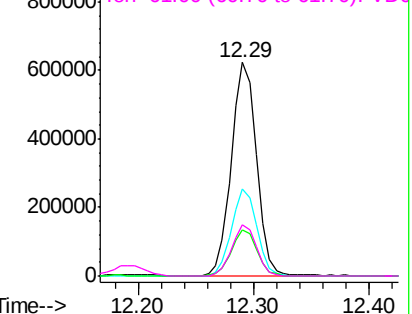


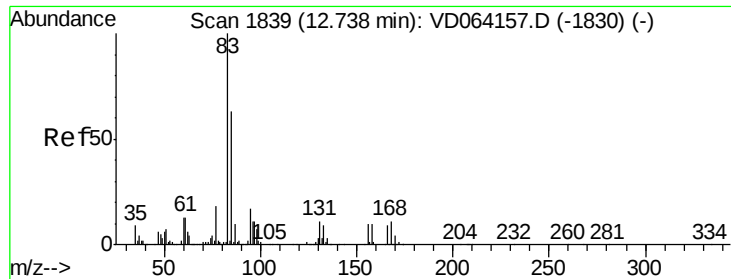
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 95.373 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

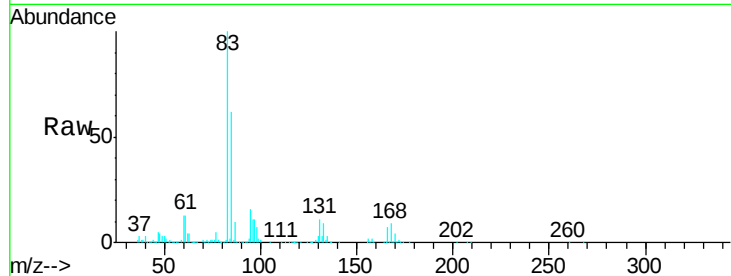
Tgt Ion: 83 Resp: 605161

Ion Ratio Lower Upper

83 100

131 11.7 5.9 17.7

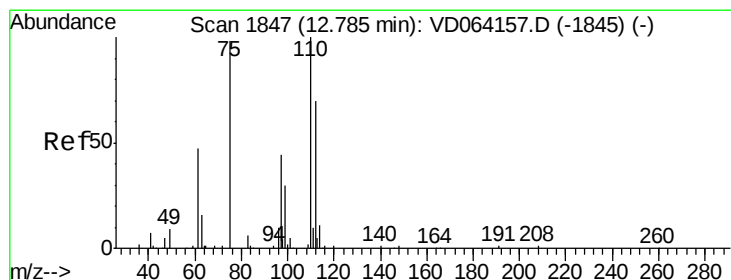
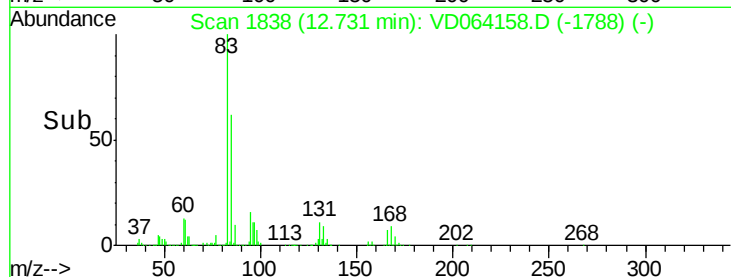
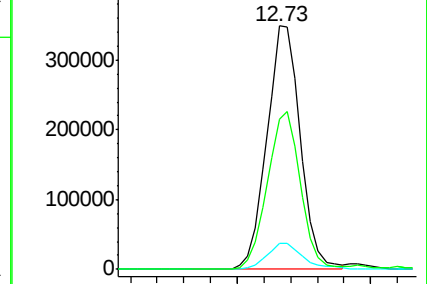
85 64.4 32.5 97.5



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



#76

1,2,3-Trichloropropane

Concen: 212.394 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD064158.D

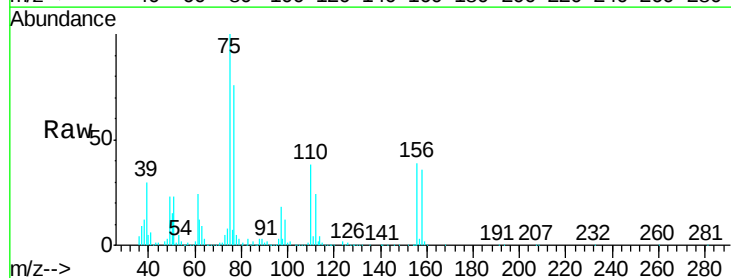
Acq: 08 Nov 2019 15:30

Tgt Ion: 75 Resp: 842359

Ion Ratio Lower Upper

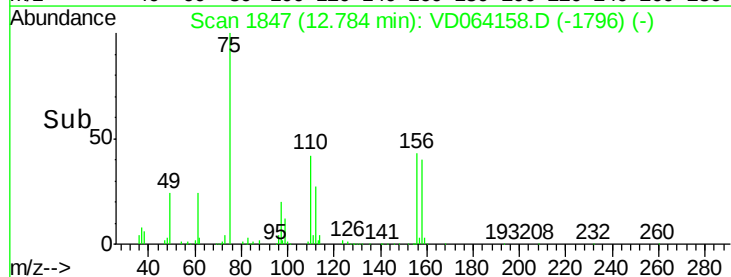
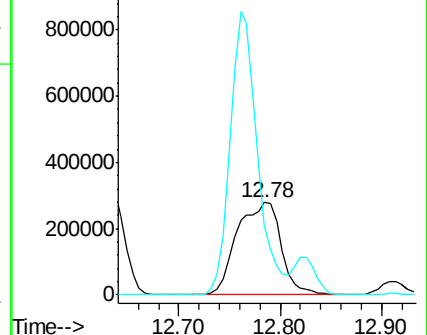
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 99.482 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

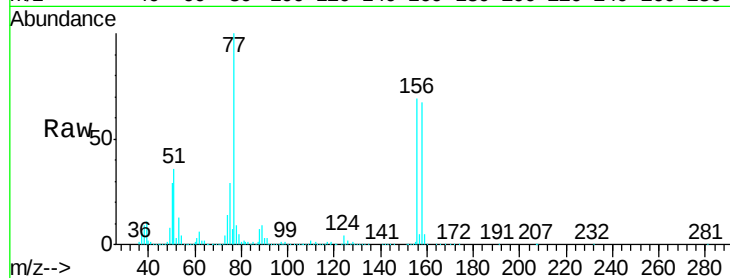
Tgt Ion:156 Resp: 975752

Ion Ratio Lower Upper

156 100

77 164.5 81.2 243.4

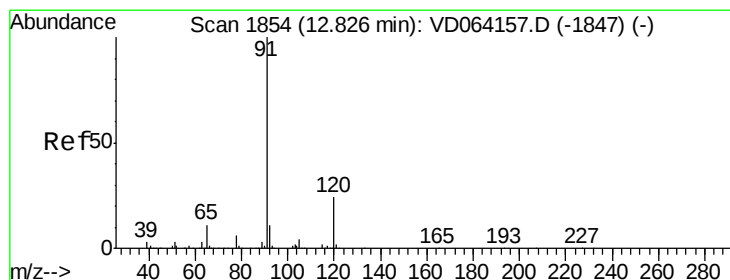
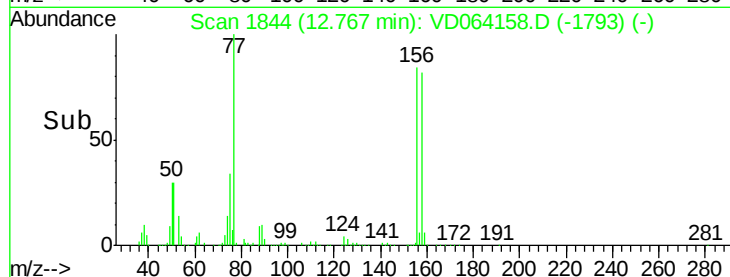
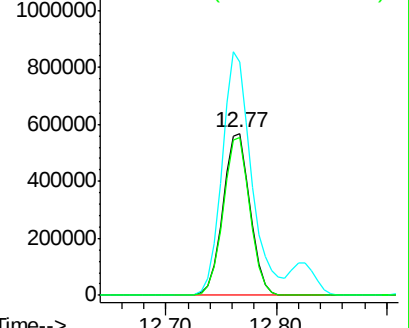
158 96.5 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 96.779 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064158.D

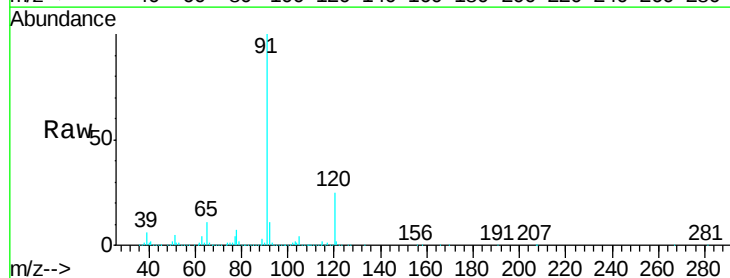
Acq: 08 Nov 2019 15:30

Tgt Ion: 91 Resp: 4572963

Ion Ratio Lower Upper

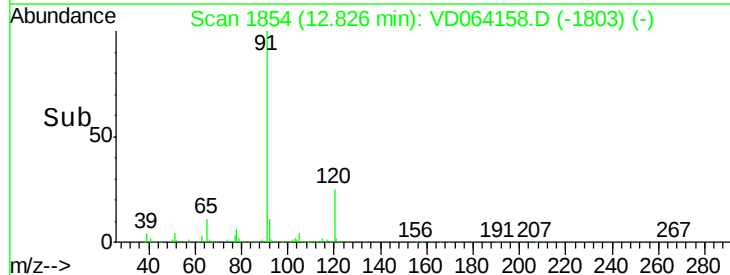
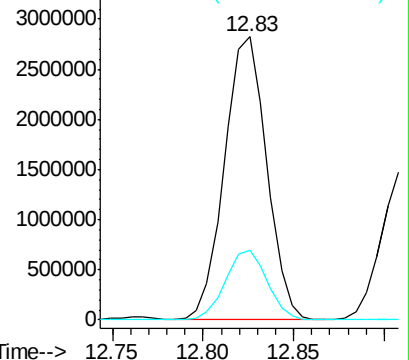
91 100

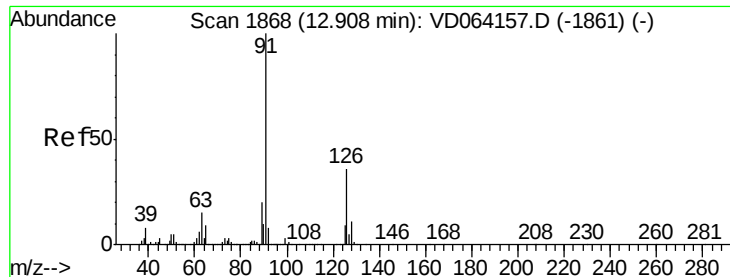
120 24.5 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

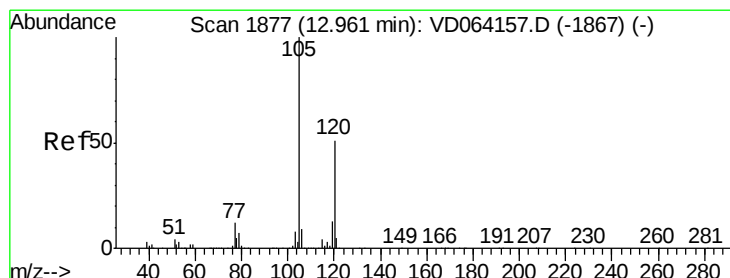
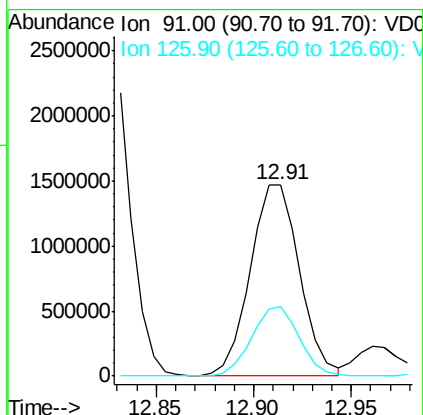
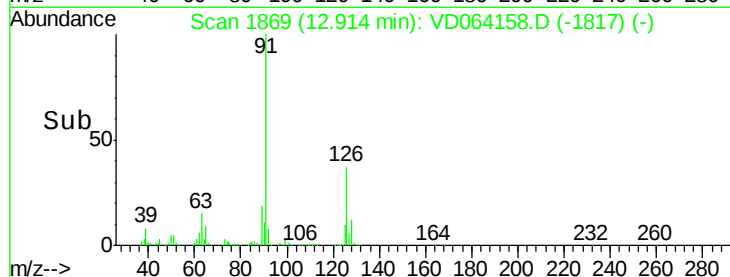
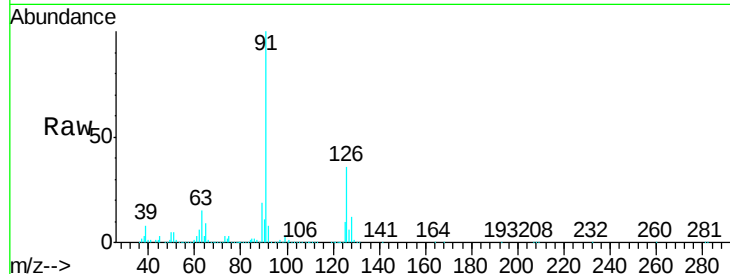




#79
2-Chlorotoluene
Concen: 100.270 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

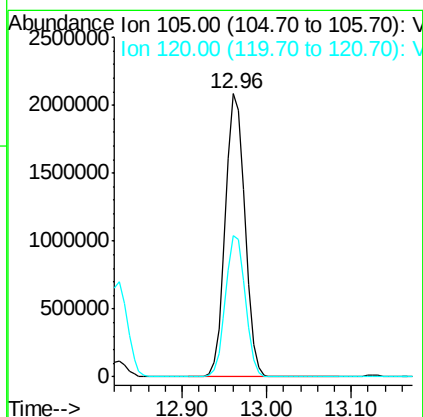
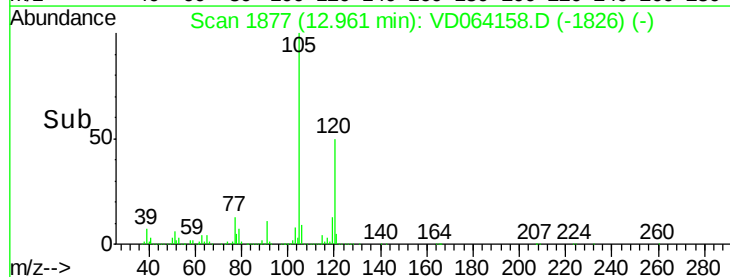
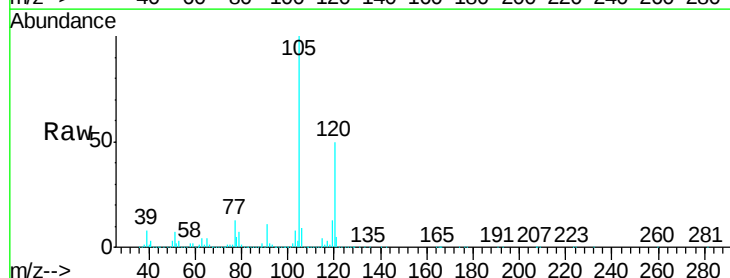
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

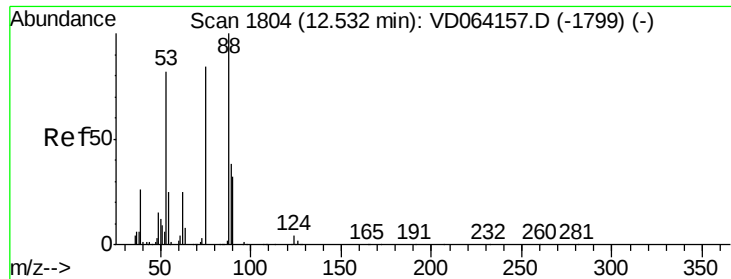
Tgt Ion: 91 Resp: 2566237
Ion Ratio Lower Upper
91 100
126 35.3 17.7 53.1



#80
1,3,5-Trimethylbenzene
Concen: 98.567 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

Tgt Ion: 105 Resp: 3317731
Ion Ratio Lower Upper
105 100
120 50.5 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 116.090 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

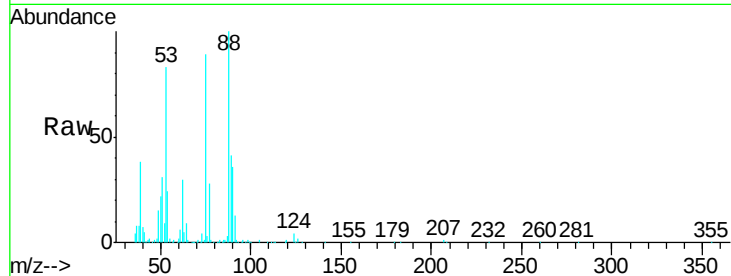
Tgt Ion: 75 Resp: 228166

Ion Ratio Lower Upper

75 100

53 95.3 79.4 119.0

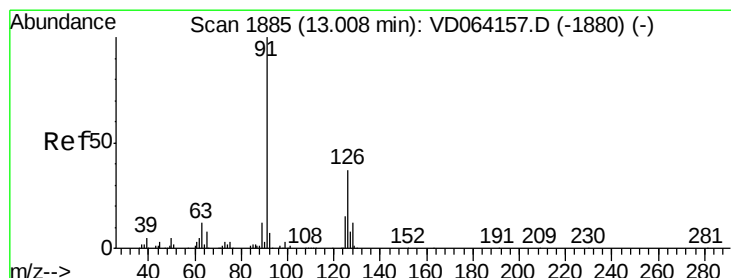
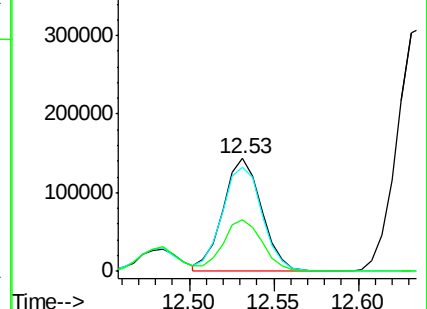
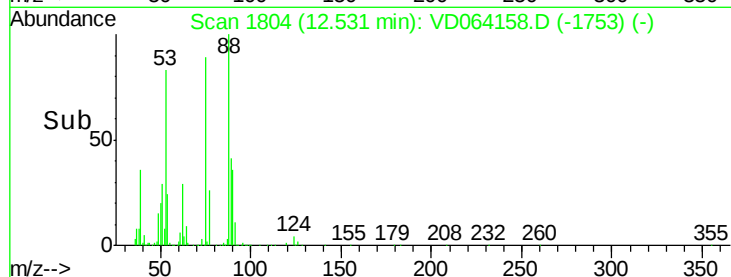
89 46.9 36.6 55.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 99.688 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD064158.D

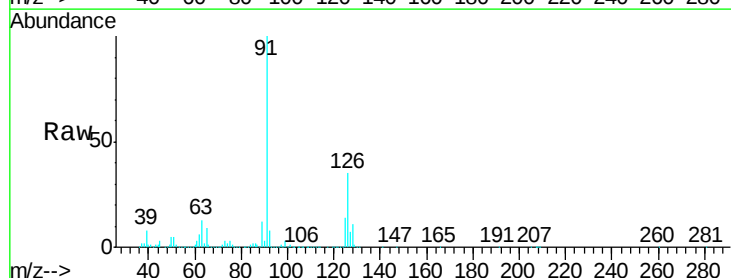
Acq: 08 Nov 2019 15:30

Tgt Ion: 91 Resp: 2705568

Ion Ratio Lower Upper

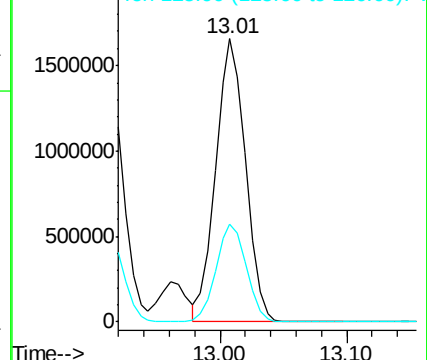
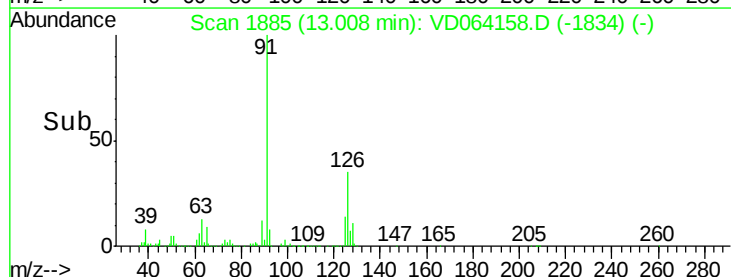
91 100

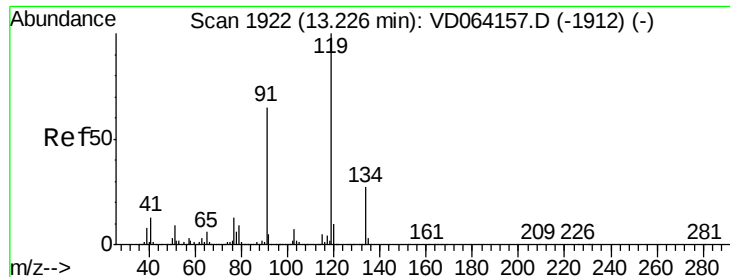
126 35.3 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

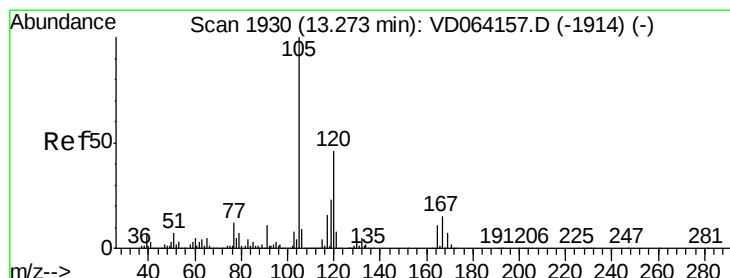
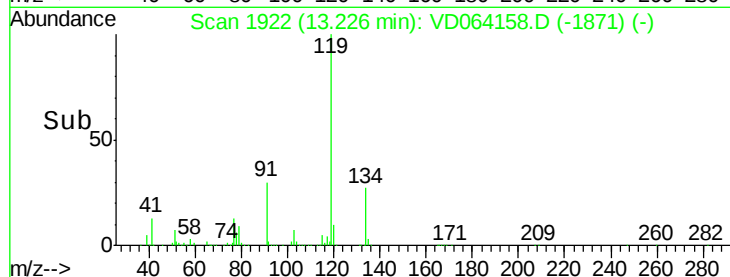
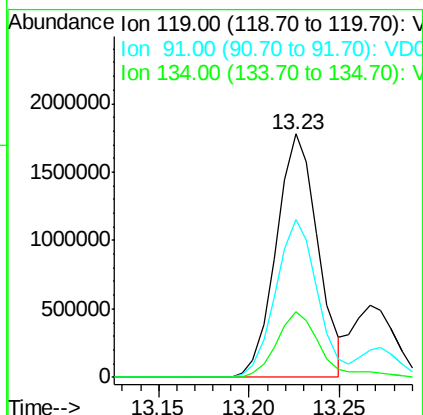
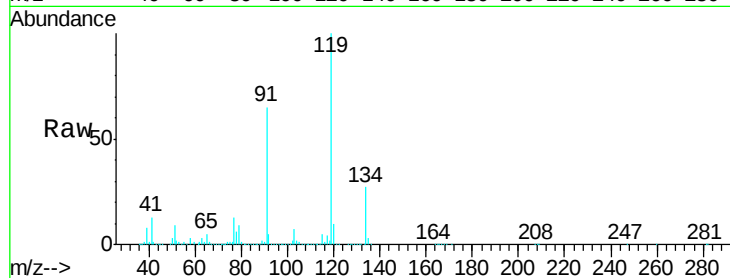




#83
tert-Butylbenzene
Concen: 94.686 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

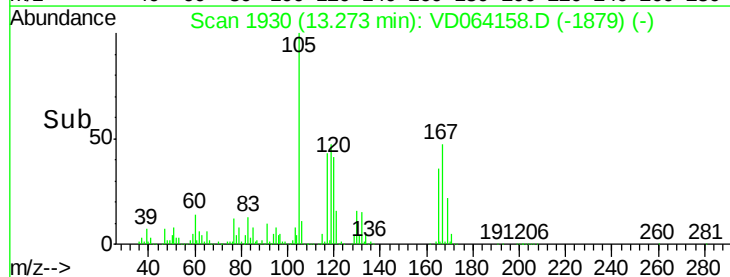
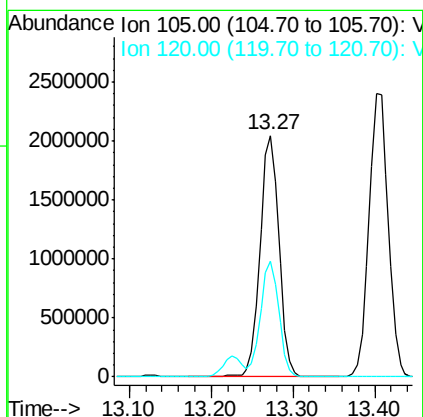
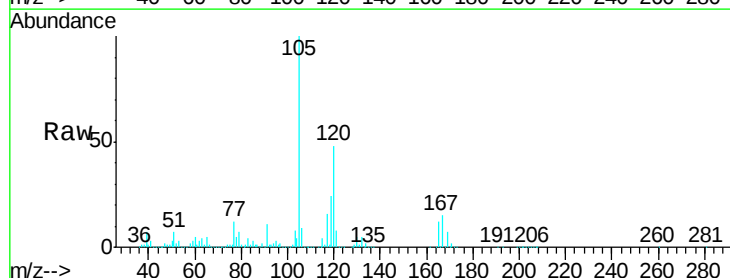
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

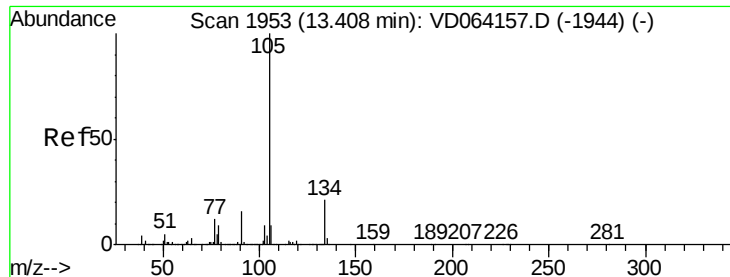
Tgt Ion:119 Resp: 2855147
Ion Ratio Lower Upper
119 100
91 65.1 31.8 95.4
134 28.3 13.7 41.0



#84
1,2,4-Trimethylbenzene
Concen: 97.359 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

Tgt Ion:105 Resp: 3283931
Ion Ratio Lower Upper
105 100
120 46.7 23.3 69.8

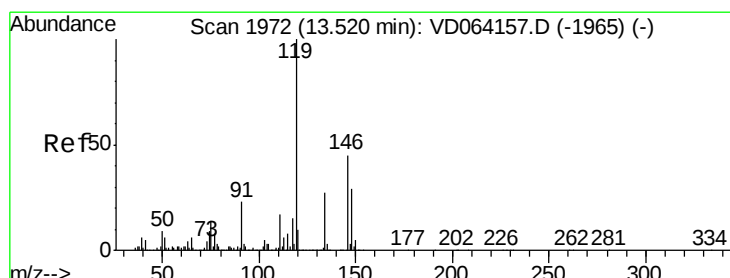
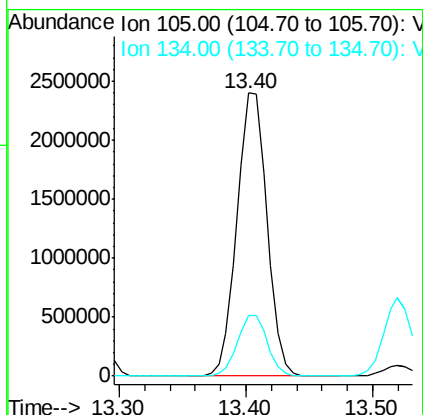
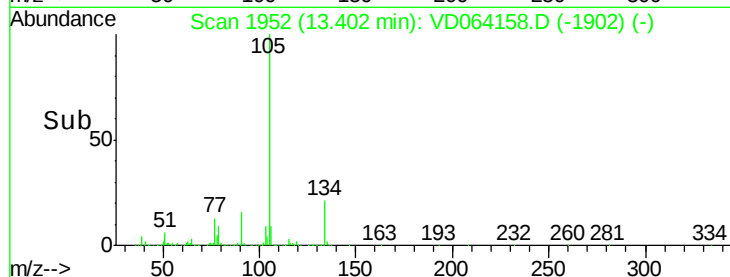
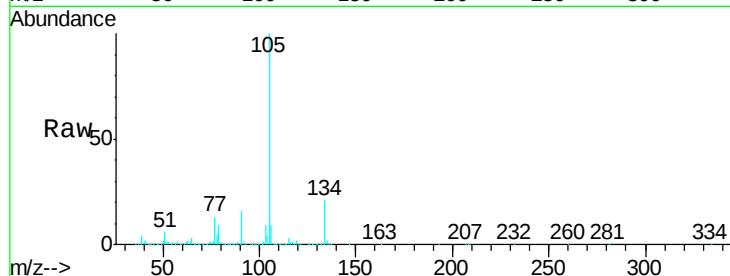




#85
 sec-Butylbenzene
 Concen: 95.680 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD064158.D
 Acq: 08 Nov 2019 15:30

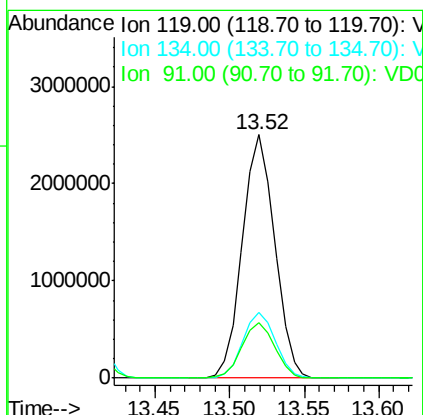
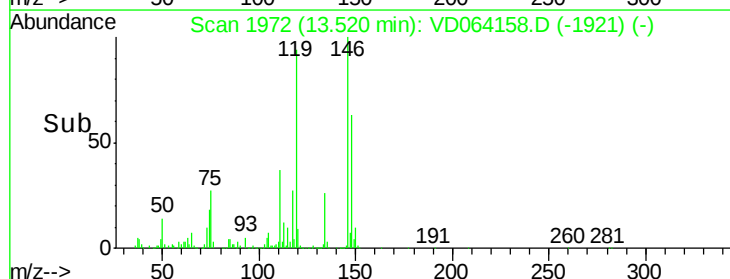
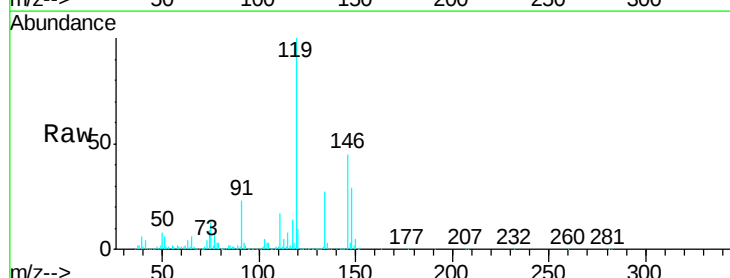
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

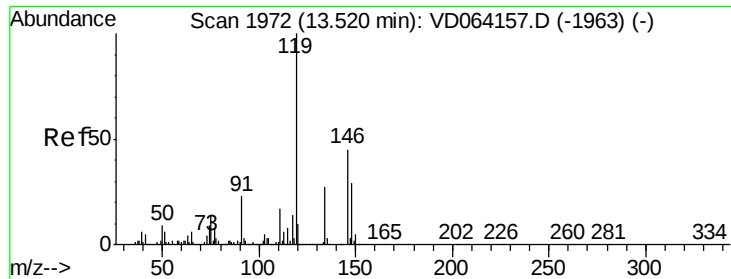
Tgt Ion:105 Resp: 3935870
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 97.518 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064158.D
 Acq: 08 Nov 2019 15:30

Tgt Ion:119 Resp: 3766009
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.5 40.5
 91 23.1 11.5 34.4

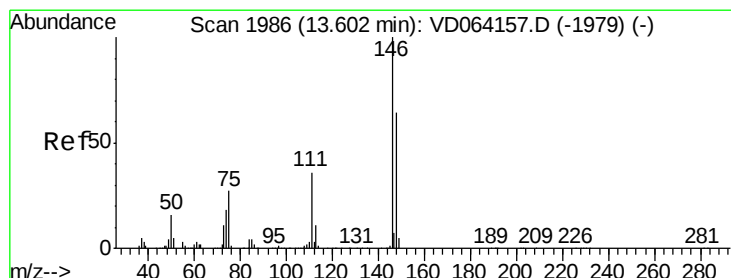
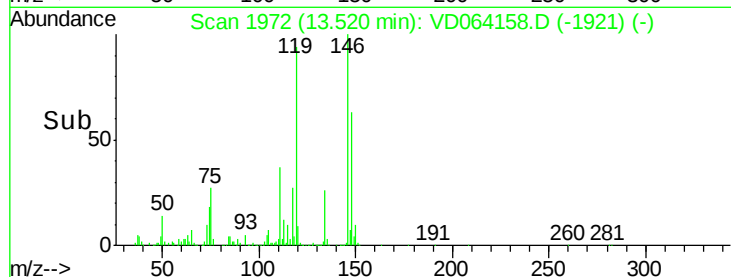
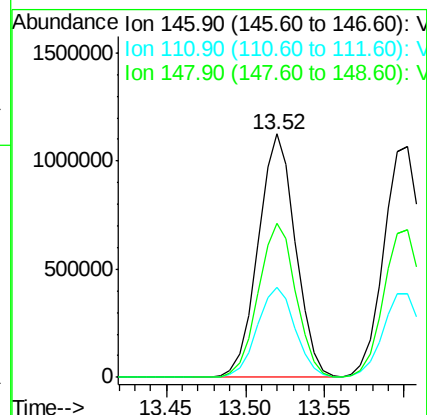
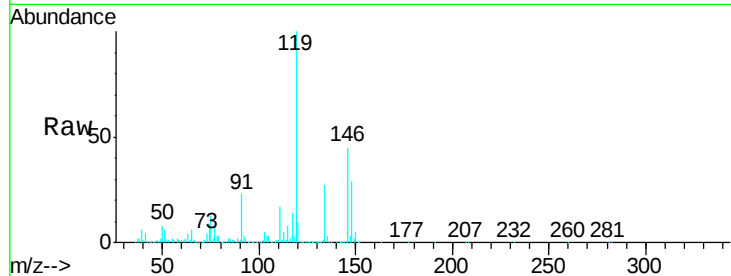




#87
 1,3-Dichlorobenzene
 Concen: 95.735 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064158.D
 Acq: 08 Nov 2019 15:30

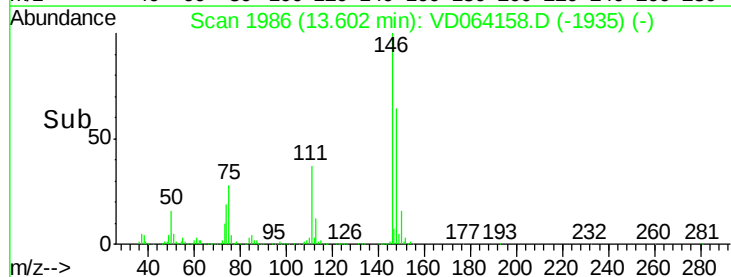
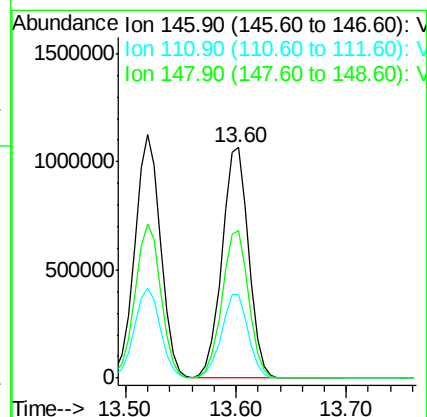
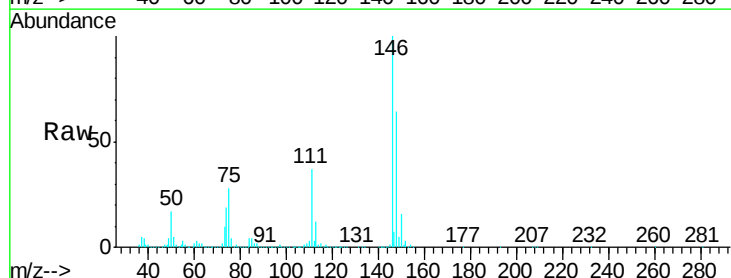
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

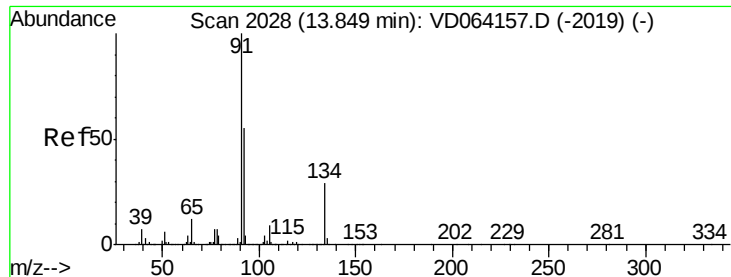
Tgt Ion:146 Resp: 1844203
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.9 56.9
 148 63.6 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 93.320 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064158.D
 Acq: 08 Nov 2019 15:30

Tgt Ion:146 Resp: 1781854
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.1 54.4
 148 63.9 31.9 95.7

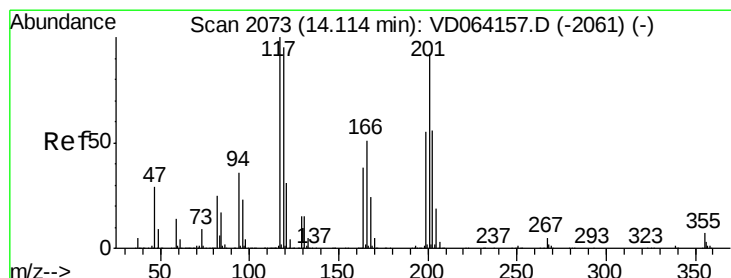
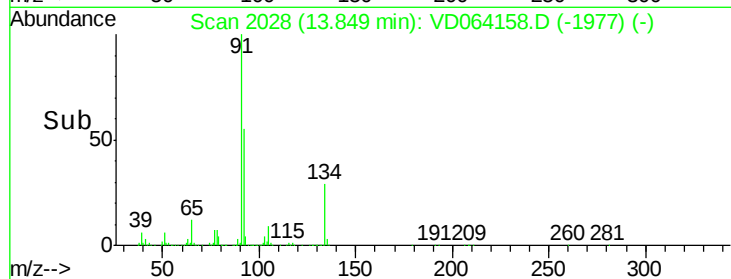
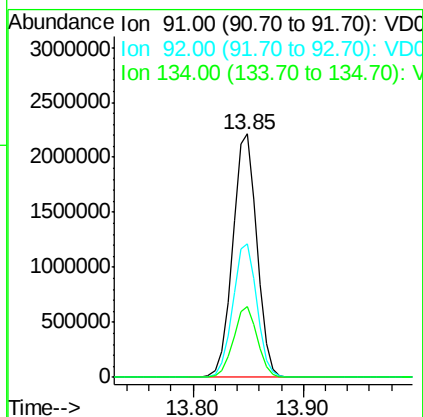
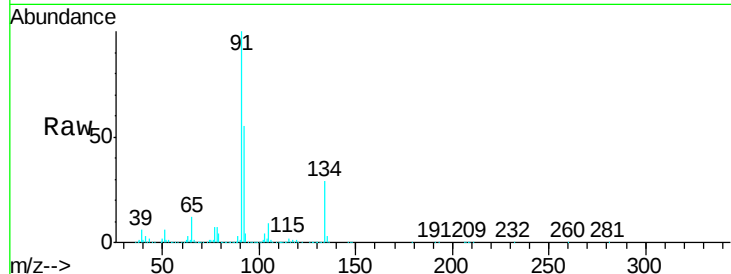




#89
n-Butylbenzene
Concen: 95.408 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

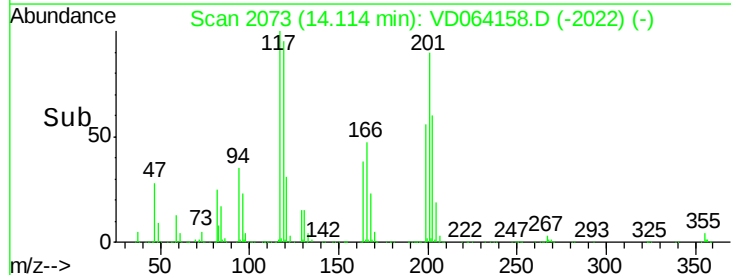
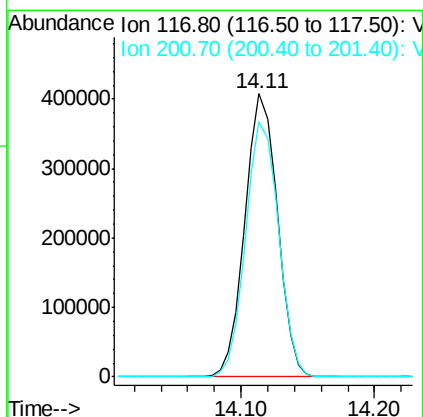
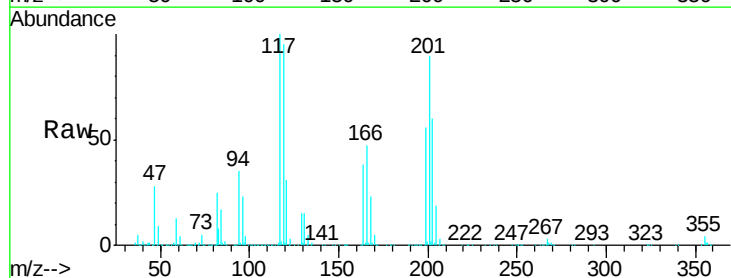
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 3391166
Ion Ratio Lower Upper
91 100
92 54.8 27.3 81.8
134 28.6 14.1 42.4



#90
Hexachloroethane
Concen: 94.859 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

Tgt Ion: 117 Resp: 689150
Ion Ratio Lower Upper
117 100
201 91.0 45.8 137.4

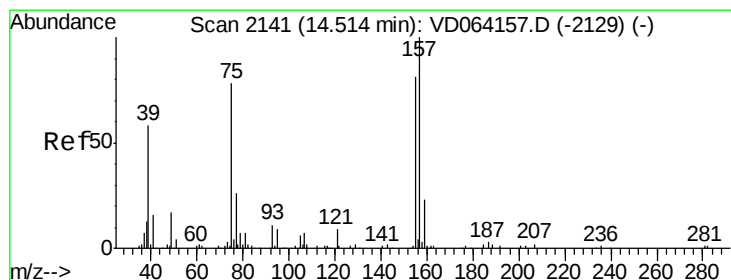
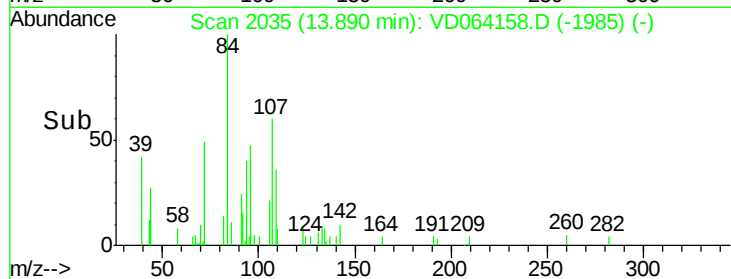
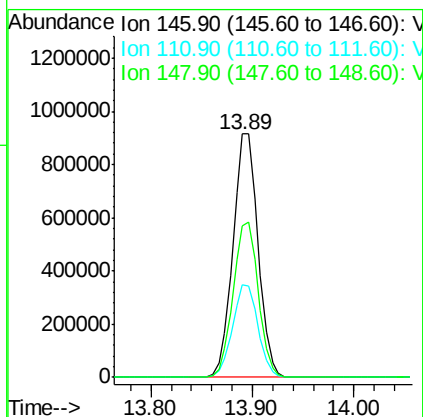
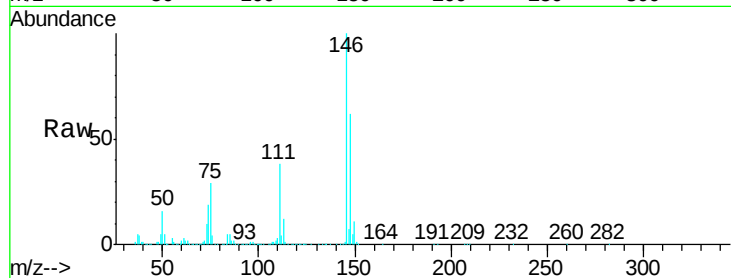




#91
 1,2-Dichlorobenzene
 Concen: 94.417 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD064158.D
 Acq: 08 Nov 2019 15:30

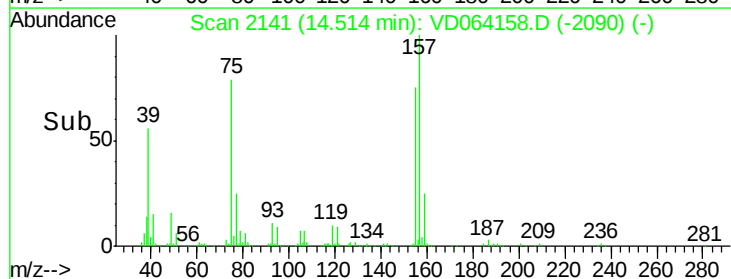
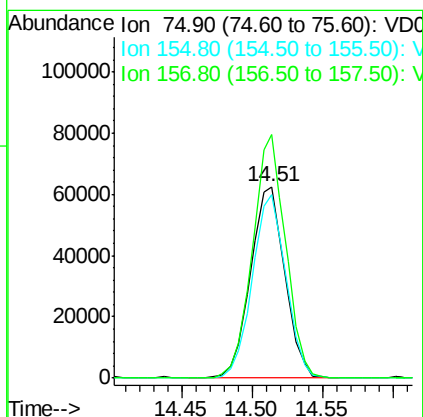
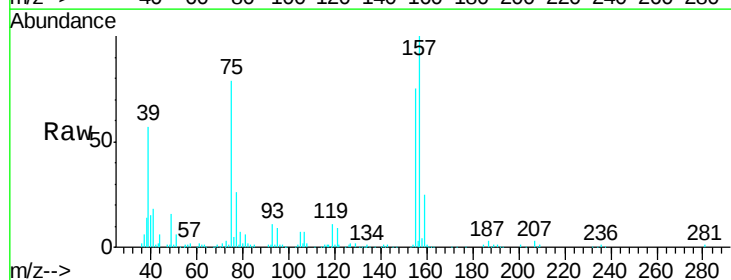
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 146 Resp: 1566409
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.7 59.0
 148 64.1 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 111.629 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD064158.D
 Acq: 08 Nov 2019 15:30

Tgt Ion: 75 Resp: 106977
 Ion Ratio Lower Upper
 75 100
 155 93.8 48.0 144.0
 157 122.3 61.5 184.4

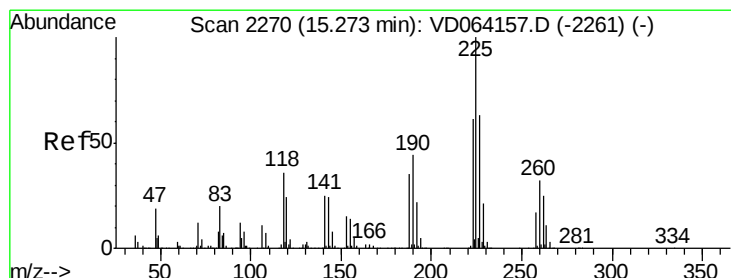
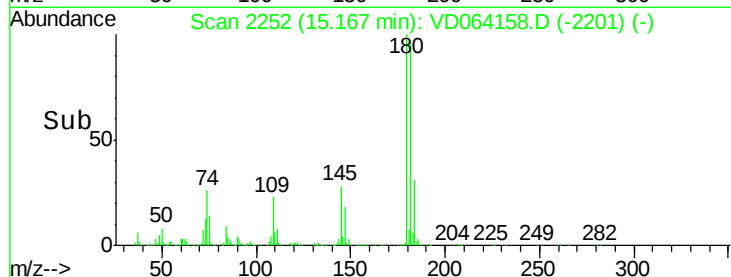
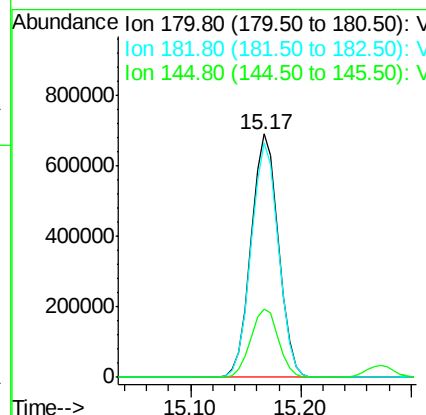
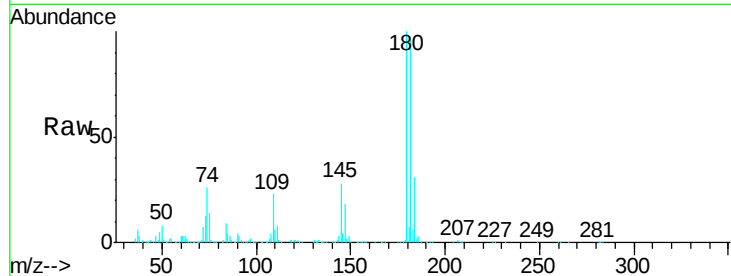




#93
 1,2,4-Trichlorobenzene
 Concen: 99.611 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD064158.D
 Acq: 08 Nov 2019 15:30

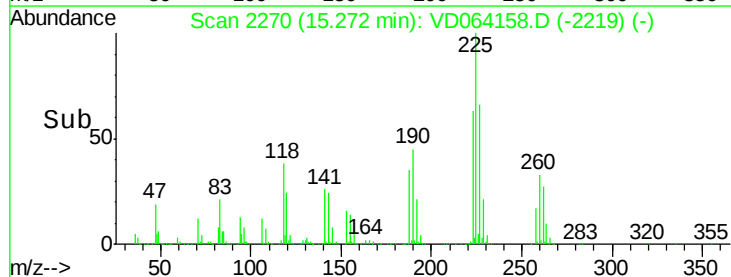
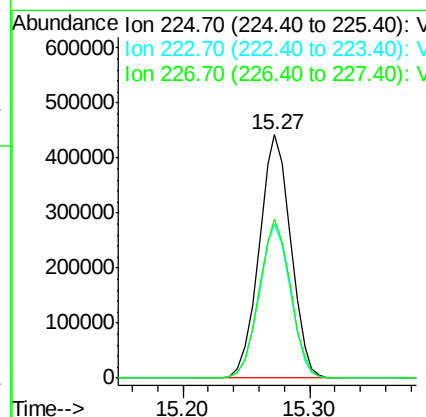
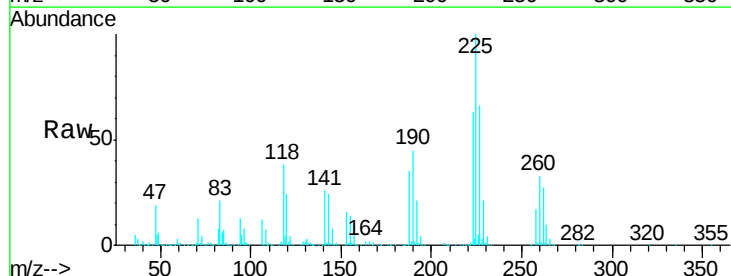
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:180 Resp: 1200861
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.5 142.5
 145 28.7 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 107.145 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD064158.D
 Acq: 08 Nov 2019 15:30

Tgt Ion:225 Resp: 767962
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.1 93.3
 227 64.7 31.5 94.5



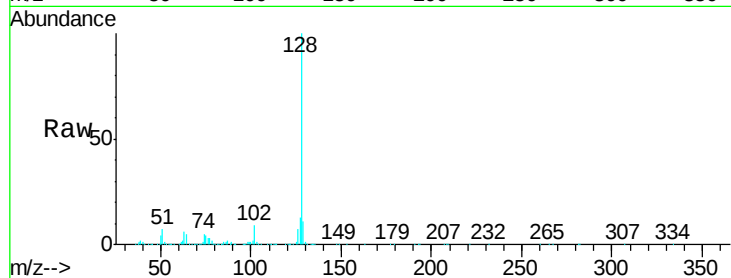


#95
Naphthalene
Concen: 100.212 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

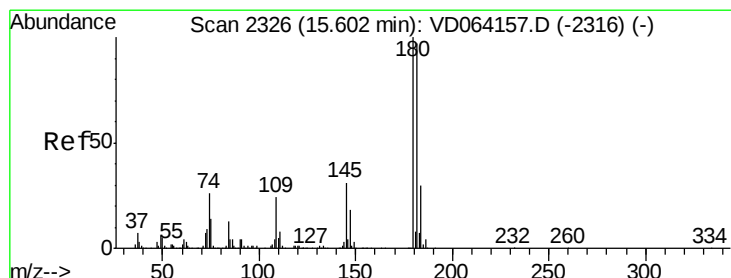
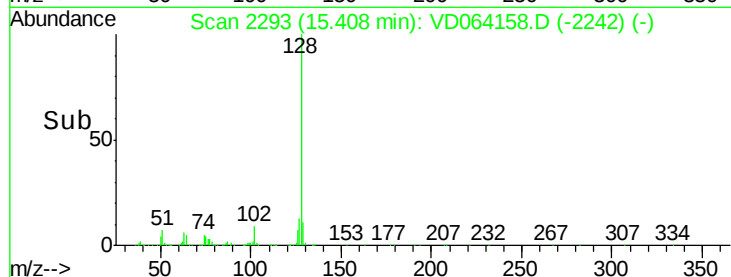
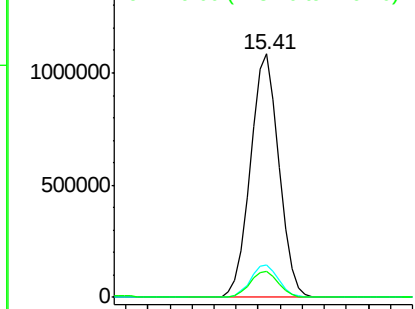
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 1963262

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.6	13.0



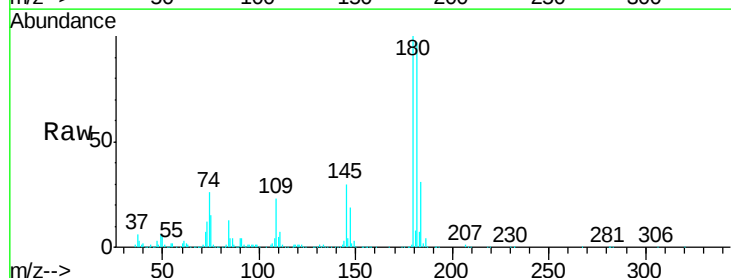
Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 97.580 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD064158.D
Acq: 08 Nov 2019 15:30

Tgt Ion:180 Resp: 1021199

Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.3	144.9
145	30.1	15.3	45.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

