

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110819\
 Data File : VD064154.D
 Acq On : 08 Nov 2019 13:40
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Nov 08 15:36:59 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	1036804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1449836	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1228880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	584101	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	36705	4.37	ug/l	0.00
Spiked Amount			Recovery	=	8.74%	
35) Dibromofluoromethane	7.92	113	36887	4.15	ug/l	0.00
Spiked Amount			Recovery	=	8.30%	
50) Toluene-d8	10.34	98	130197	3.68	ug/l	0.00
Spiked Amount			Recovery	=	7.36%	
62) 4-Bromofluorobenzene	12.64	95	51398	4.39	ug/l	0.00
Spiked Amount			Recovery	=	8.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	45456	4.406	ug/l	91
3) Chloromethane	2.21	50	47656	2.916	ug/l	97
4) Vinyl Chloride	2.36	62	48237	2.733	ug/l	94
5) Bromomethane	2.77	94	30742	2.692	ug/l	92
6) Chloroethane	2.93	64	31205	2.834	ug/l	97
7) Trichlorofluoromethane	3.28	101	80132	3.245	ug/l	95
8) Diethyl Ether	3.71	74	21835	4.738	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	47334	4.996	ug/l	95
10) Methyl Iodide	4.30	142	28963	2.517	ug/l #	91
11) Tert butyl alcohol	5.24	59	4522	9.674	ug/l #	63
12) 1,1-Dichloroethene	4.06	96	41840	4.634	ug/l	98
13) Acrolein	3.92	56	11393	21.222	ug/l #	69
14) Allyl chloride	4.71	41	77313	6.749	ug/l	99
15) Acrylonitrile	5.43	53	45201	26.190	ug/l	99
16) Acetone	4.16	43	53153	32.501	ug/l	97
17) Carbon Disulfide	4.40	76	131917	4.750	ug/l	98
18) Methyl Acetate	4.73	43	32549	7.352	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	101157	5.373	ug/l	98
20) Methylene Chloride	4.96	84	59901	5.369	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	50741	5.015	ug/l	91
22) Diisopropyl ether	6.37	45	140904	5.793	ug/l	98
23) Vinyl Acetate	6.31	43	345707	25.835	ug/l	97
24) 1,1-Dichloroethane	6.27	63	83029	5.187	ug/l	100
25) 2-Butanone	7.23	43	63600	28.330	ug/l	94
26) 2,2-Dichloropropane	7.21	77	82600	5.413	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	51362	4.571	ug/l	97
28) Bromochloromethane	7.55	49	31885	5.540	ug/l	95
29) Tetrahydrofuran	7.57	42	36950	27.977	ug/l	96
30) Chloroform	7.71	83	84260	4.678	ug/l	97
31) Cyclohexane	7.98	56	95275	6.081	ug/l #	84
32) 1,1,1-Trichloroethane	7.90	97	83260	4.957	ug/l	99
36) 1,1-Dichloropropene	8.11	75	66737	4.883	ug/l	96
37) Ethyl Acetate	7.30	43	28036	6.352	ug/l #	90
38) Carbon Tetrachloride	8.09	117	69406	4.694	ug/l	91

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 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Quant Time: Nov 08 15:36:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	86639	5.217	ug/l	98
40) Benzene	8.36	78	181203	4.886	ug/l	99
41) Methacrylonitrile	7.53	41	17939	6.787	ug/l	94
42) 1,2-Dichloroethane	8.43	62	53955	5.417	ug/l	97
43) Isopropyl Acetate	8.46	43	55916	6.202	ug/l	99
44) Trichloroethene	9.11	130	55649	4.974	ug/l	86
45) 1,2-Dichloropropane	9.39	63	44264	5.096	ug/l	99
46) Dibromomethane	9.48	93	23696	4.647	ug/l	98
47) Bromodichloromethane	9.66	83	63300	4.877	ug/l	100
48) Methyl methacrylate	9.46	41	30342	7.252	ug/l	89
49) 1,4-Dioxane	9.47	88	5923	102.876	ug/l #	78
51) 4-Methyl-2-Pentanone	10.23	43	134756	28.448	ug/l	100
52) Toluene	10.41	92	118227	4.616	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	62329	5.105	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	73144	5.076	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	31915	4.454	ug/l	95
56) Ethyl methacrylate	10.66	69	43896	5.436	ug/l	95
57) 1,3-Dichloropropane	10.95	76	53543	4.479	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	98579	29.895	ug/l	99
59) 2-Hexanone	10.99	43	94940	28.290	ug/l	96
60) Dibromochloromethane	11.14	129	44790	4.595	ug/l	96
61) 1,2-Dibromoethane	11.25	107	31781	4.449	ug/l	100
64) Tetrachloroethene	10.88	164	47066	5.235	ug/l	97
65) Chlorobenzene	11.67	112	126638	4.989	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	47293	4.960	ug/l	98
67) Ethyl Benzene	11.75	91	230230	5.084	ug/l	100
68) m/p-Xylenes	11.86	106	171991	9.528	ug/l	98
69) o-Xylene	12.18	106	79743	4.833	ug/l	99
70) Styrene	12.20	104	138083	4.864	ug/l	99
71) Bromoform	12.36	173	25721	4.992	ug/l #	100
73) Isopropylbenzene	12.48	105	221267	5.354	ug/l	99
74) N-amyl acetate	12.29	43	51316	7.010	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	31890	4.923	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	44550	11.003	ug/l #	100
77) Bromobenzene	12.76	156	52618	5.255	ug/l	98
78) n-propylbenzene	12.83	91	256013	5.307	ug/l	99
79) 2-Chlorotoluene	12.91	91	142494	5.453	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	181257	5.275	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	11419	5.691	ug/l	93
82) 4-Chlorotoluene	13.01	91	147676	5.330	ug/l	99
83) tert-Butylbenzene	13.23	119	162147	5.267	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	176316	5.120	ug/l	98
85) sec-Butylbenzene	13.41	105	214755	5.114	ug/l	99
86) p-Isopropyltoluene	13.52	119	203417	5.159	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	98061	4.986	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	95840	4.916	ug/l	92
89) n-Butylbenzene	13.85	91	181021	4.989	ug/l	99
90) Hexachloroethane	14.11	117	37842	5.102	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	79296	4.682	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5911	6.042	ug/l	93

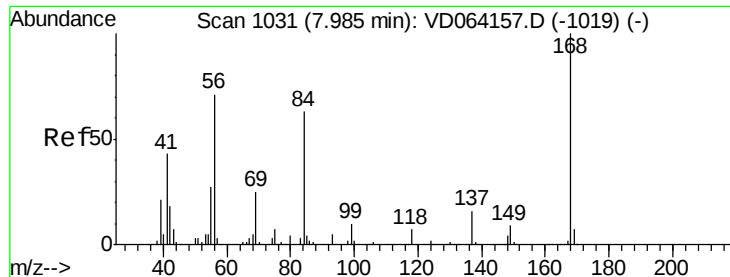
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD110819\
Data File : VD064154.D
Acq On : 08 Nov 2019 13:40
Operator : VA/SY
Sample : VSTDICC005
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Nov 08 15:36:59 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.17	180	63156	5.131	ug/l	97
94) Hexachlorobutadiene	15.28	225	42467	5.803	ug/l	97
95) Naphthalene	15.41	128	101161	5.058	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	54405	5.092	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

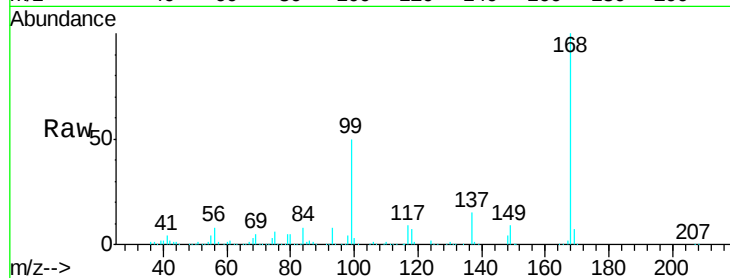
VSTDIC005

Tgt Ion:168 Resp: 1036804

Ion Ratio Lower Upper

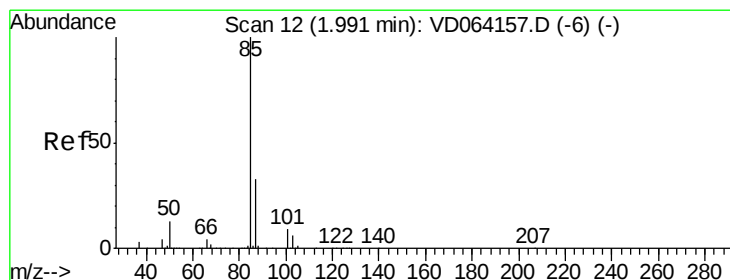
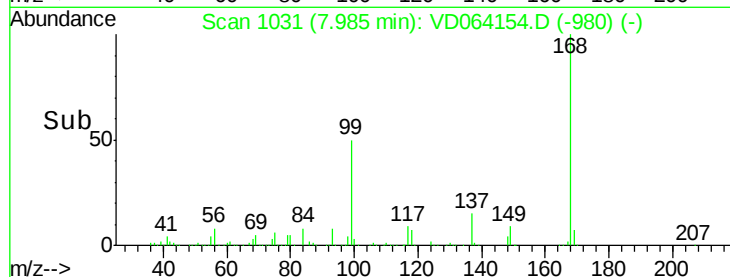
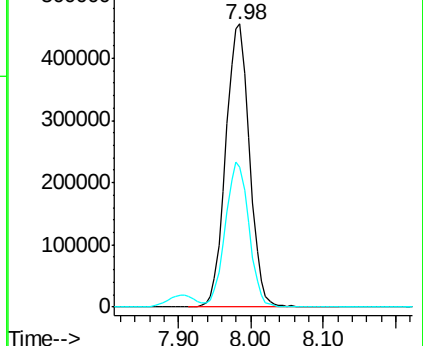
168 100

99 49.5 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: 4.406 ug/l

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD064154.D

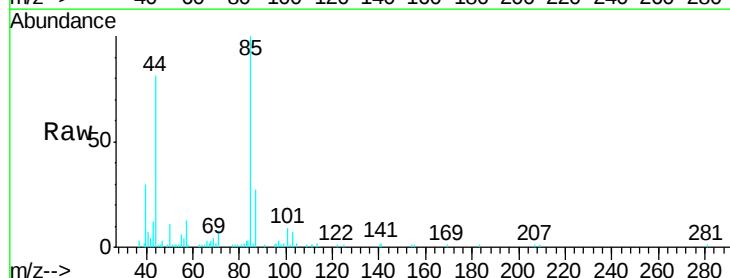
Acq: 08 Nov 2019 13:40

Tgt Ion: 85 Resp: 45456

Ion Ratio Lower Upper

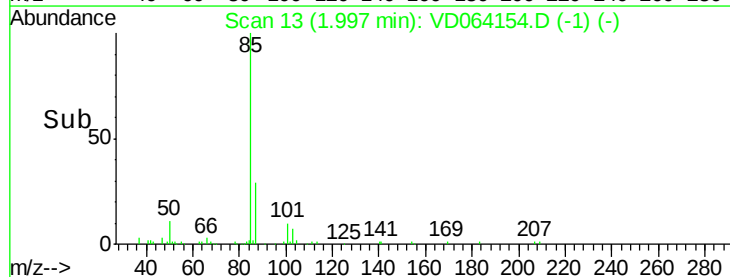
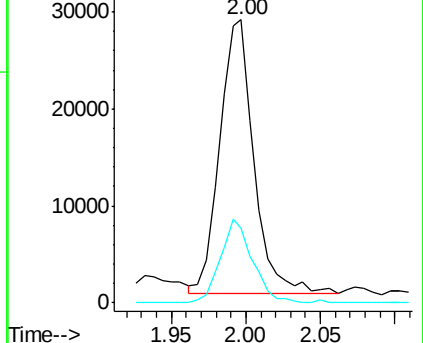
85 100

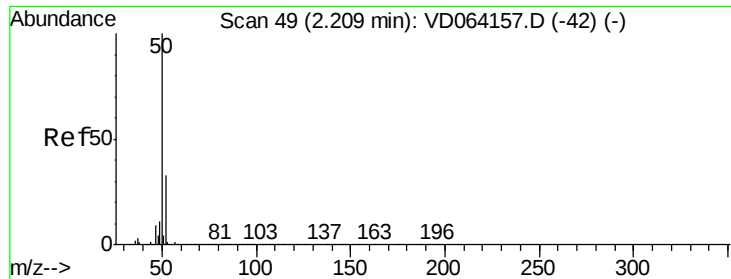
87 27.5 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 2.916 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

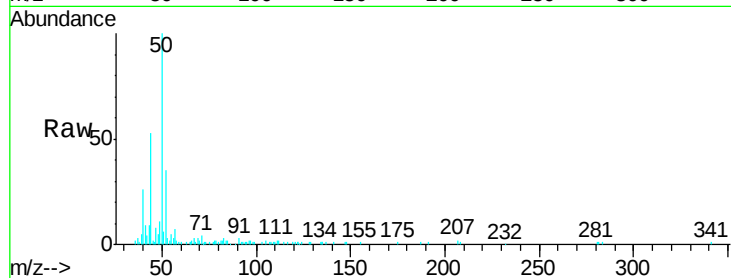
VSTDIC005

Tgt Ion: 50 Resp: 47656

Ion Ratio Lower Upper

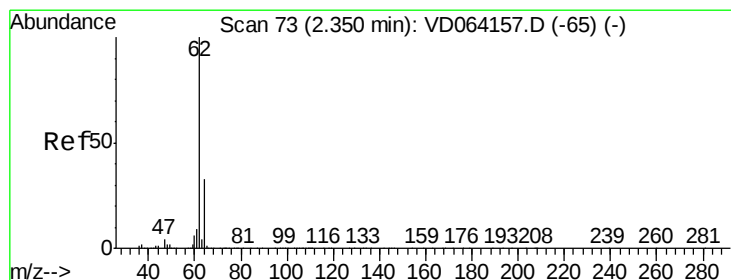
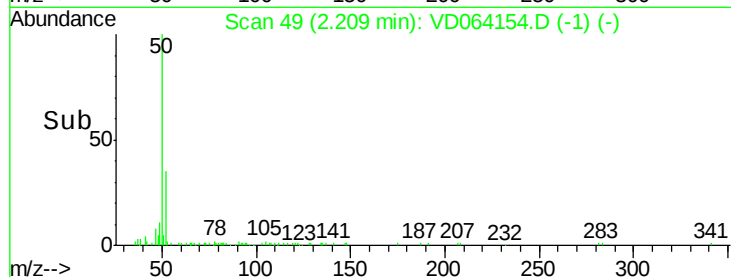
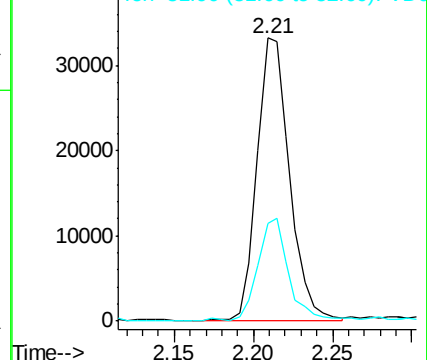
50 100

52 34.7 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 2.733 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD064154.D

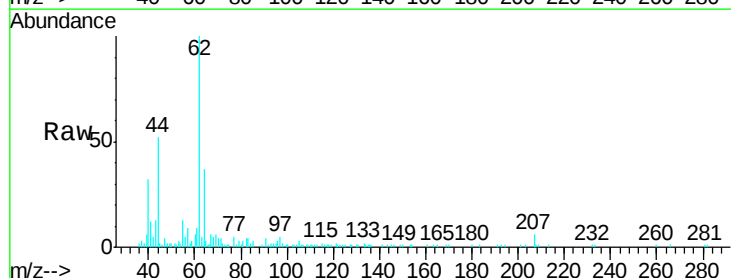
Acq: 08 Nov 2019 13:40

Tgt Ion: 62 Resp: 48237

Ion Ratio Lower Upper

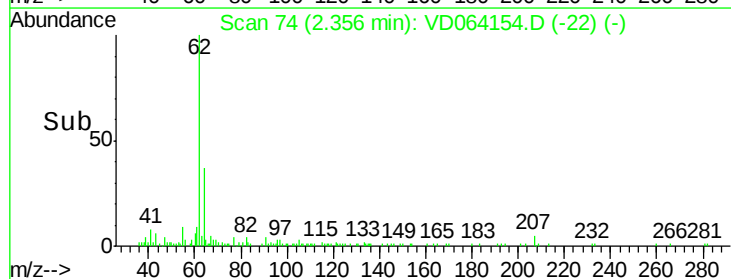
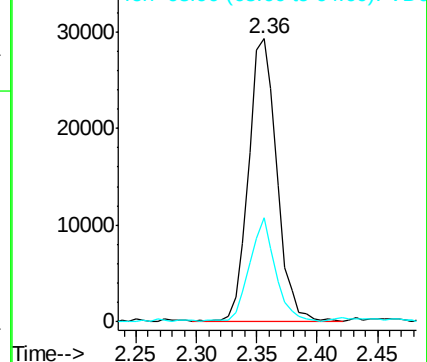
62 100

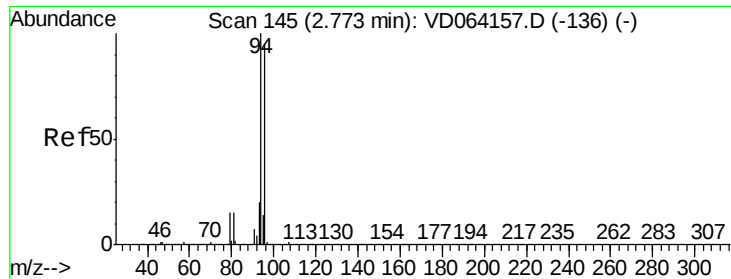
64 36.0 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 2.692 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

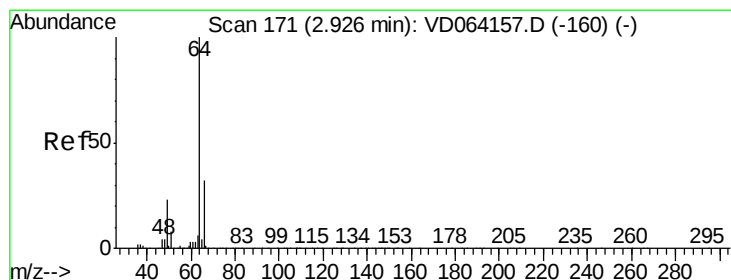
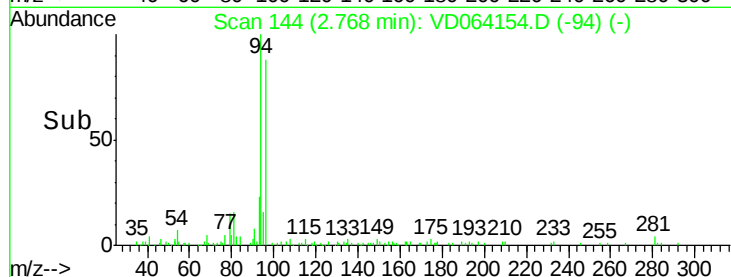
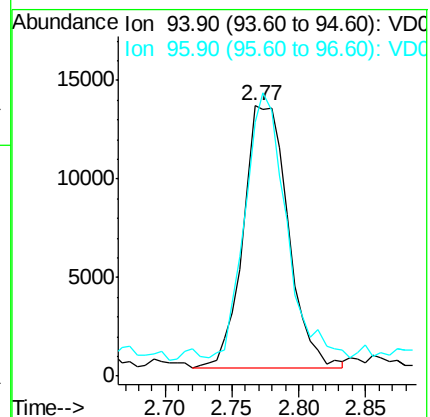
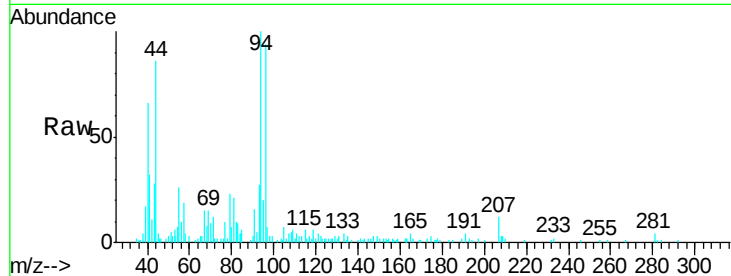
VSTDIC005

Tgt Ion: 94 Resp: 30742

Ion Ratio Lower Upper

94 100

96 87.2 76.2 114.4



#6

Chloroethane

Concen: 2.834 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD064154.D

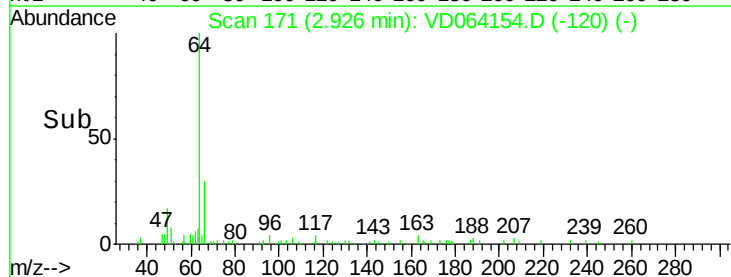
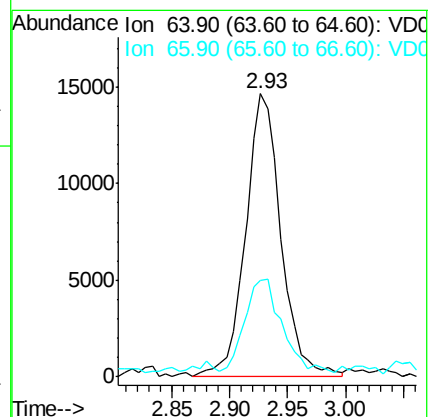
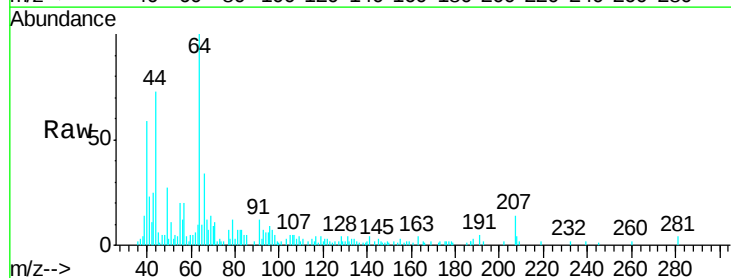
Acq: 08 Nov 2019 13:40

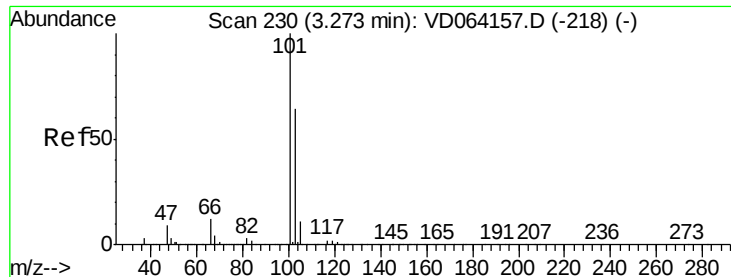
Tgt Ion: 64 Resp: 31205

Ion Ratio Lower Upper

64 100

66 30.2 25.5 38.3



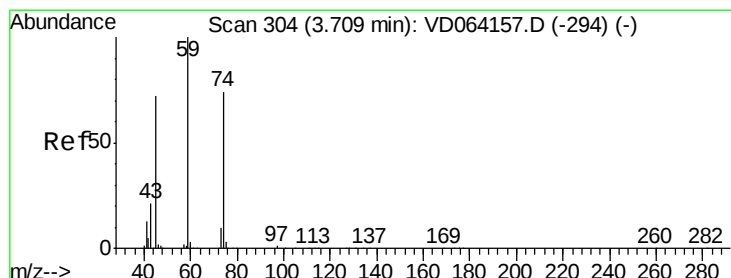
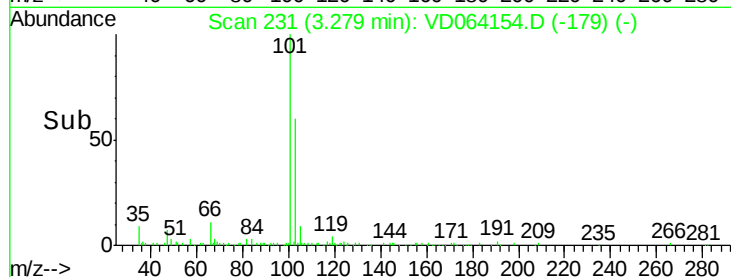
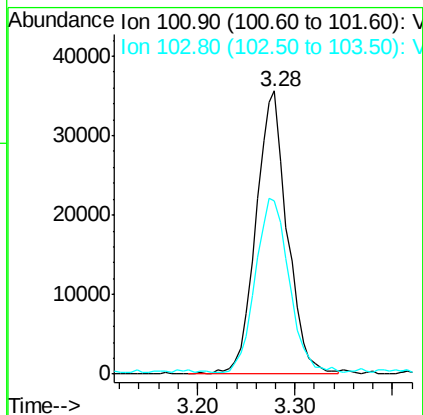
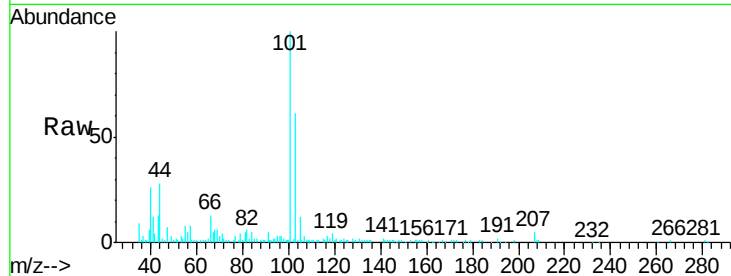


#7

Trichlorofluoromethane
 Concen: 3.245 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

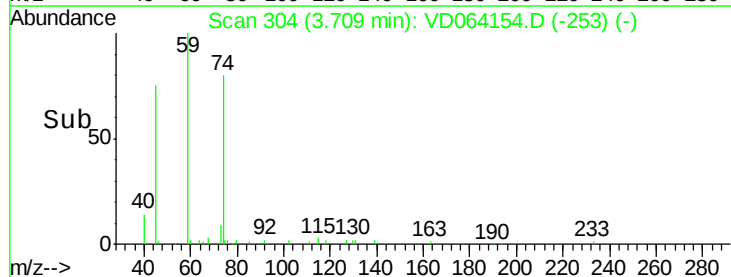
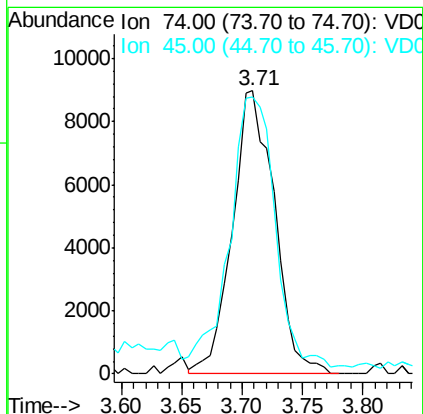
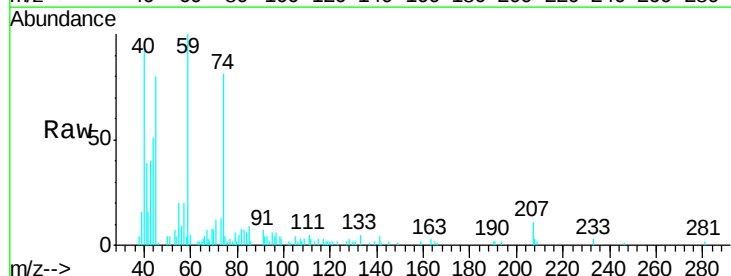
Tgt Ion: 101 Resp: 80132
 Ion Ratio Lower Upper
 101 100
 103 59.8 50.8 76.2

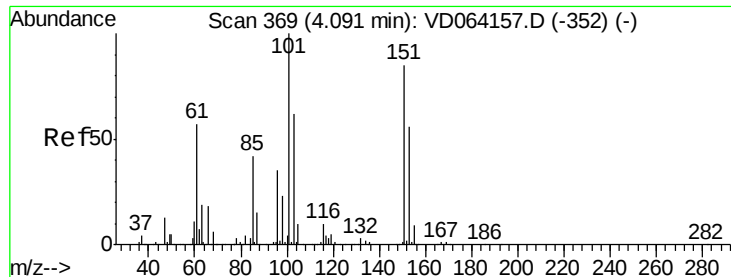


#8

Diethyl Ether
 Concen: 4.738 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Tgt Ion: 74 Resp: 21835
 Ion Ratio Lower Upper
 74 100
 45 100.6 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.996 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

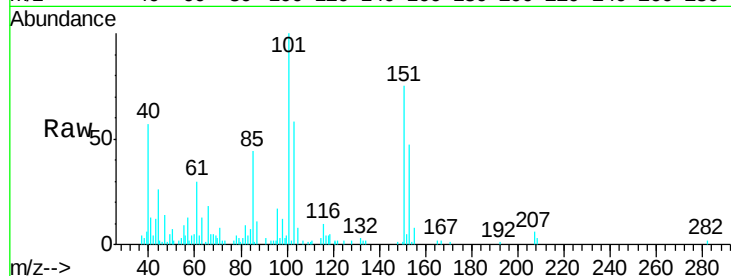
Tgt Ion:101 Resp: 47334

Ion Ratio Lower Upper

101 100

85 40.4 34.4 51.6

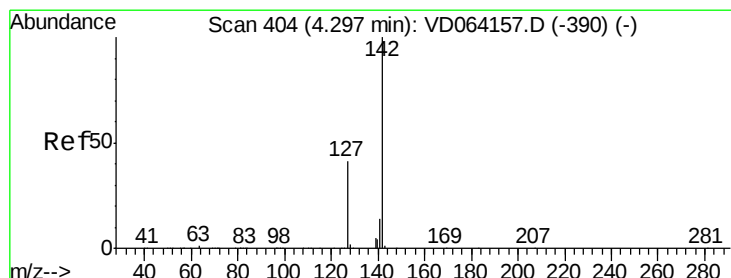
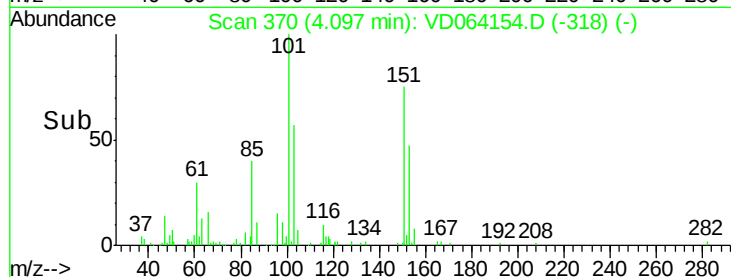
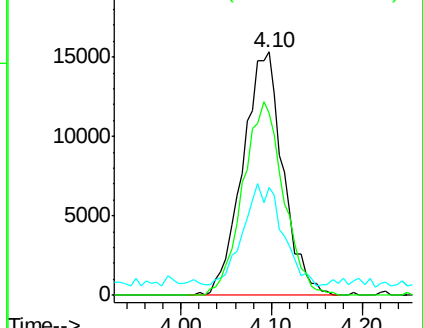
151 80.4 68.1 102.1



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: 2.517 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

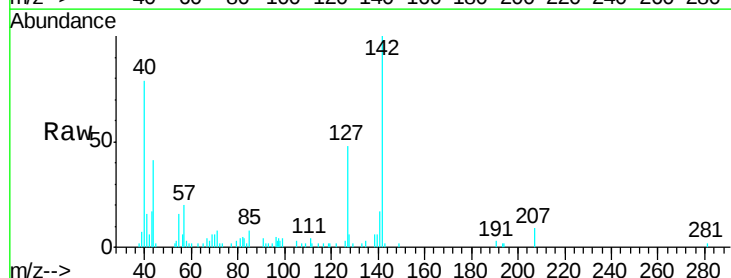
Tgt Ion:142 Resp: 28963

Ion Ratio Lower Upper

142 100

127 48.0 34.4 51.6

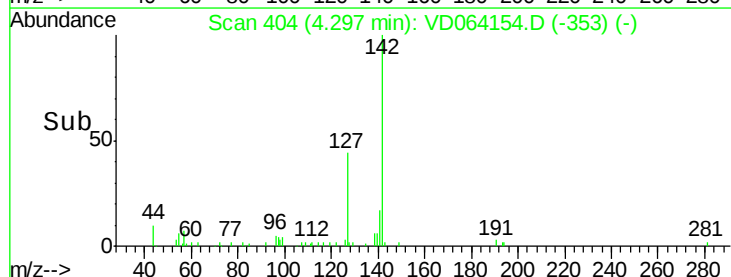
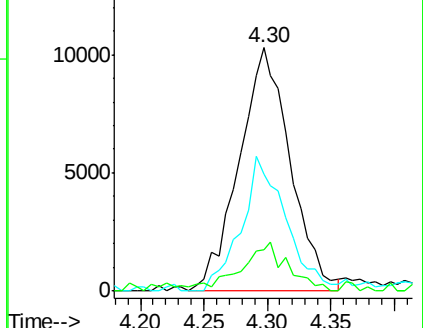
141 18.4 11.2 16.8#



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

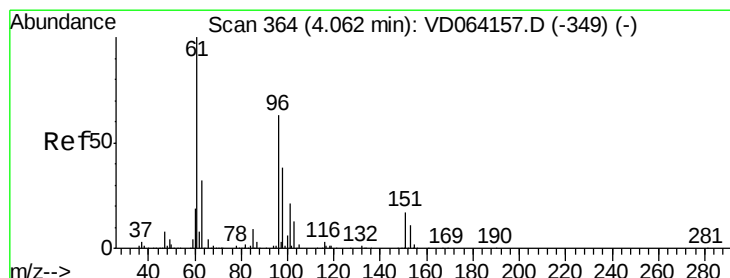
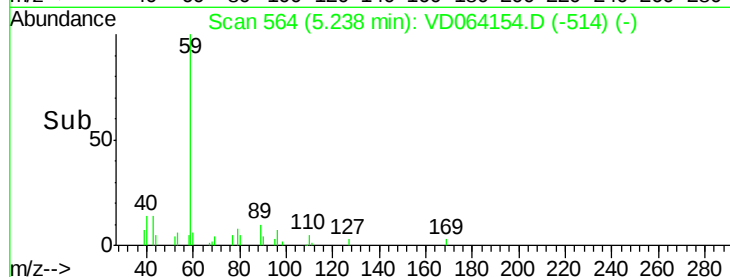
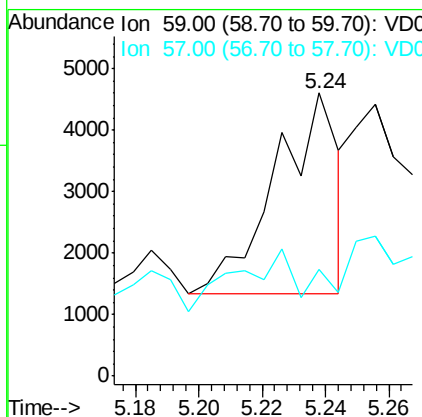
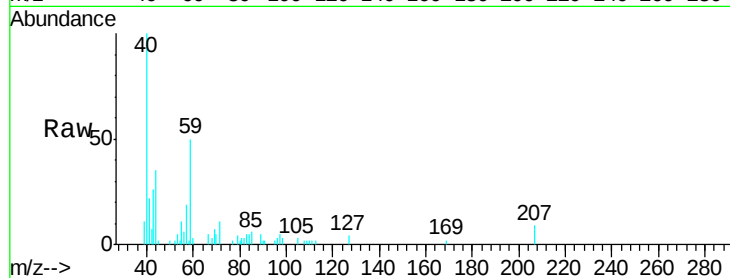




#11
Tert butyl alcohol
Concen: 9.674 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

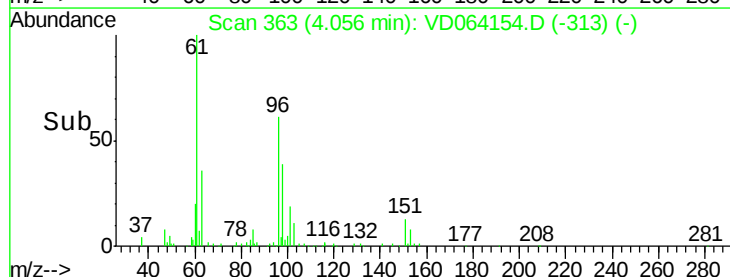
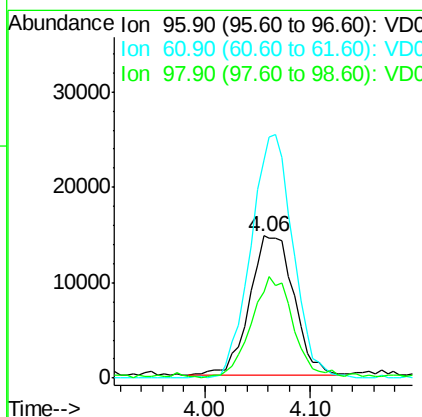
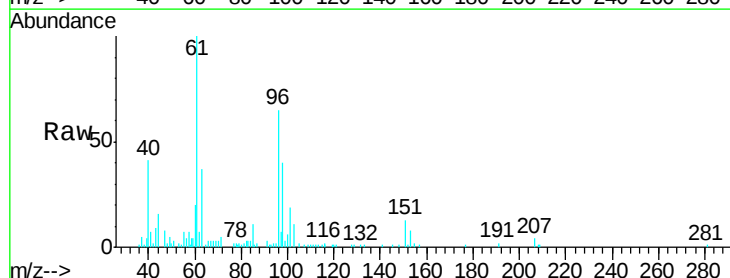
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

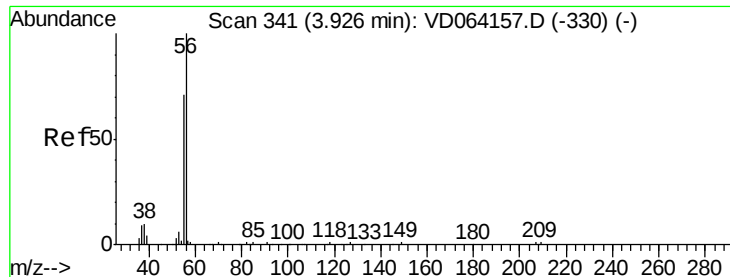
Tgt Ion: 59 Resp: 4522
Ion Ratio Lower Upper
59 100
57 26.1 9.4 14.2#



#12
1,1-Dichloroethene
Concen: 4.634 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion: 96 Resp: 41840
Ion Ratio Lower Upper
96 100
61 156.6 127.4 191.2
98 60.4 48.1 72.1





#13

Acrolein

Concen: 21.222 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

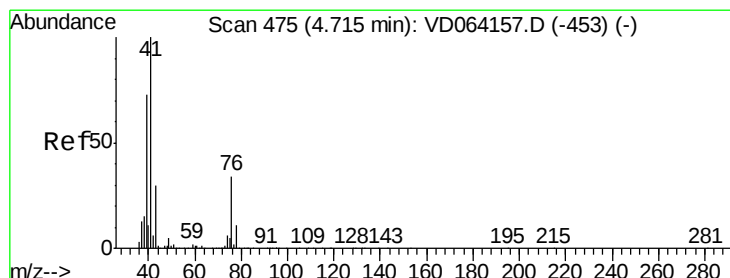
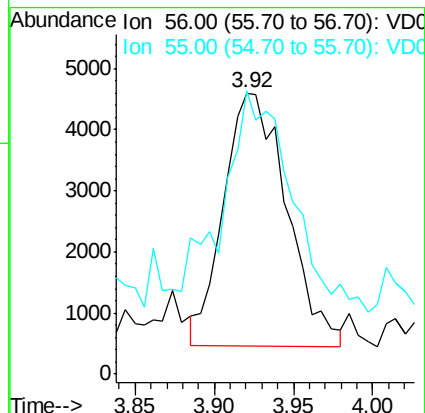
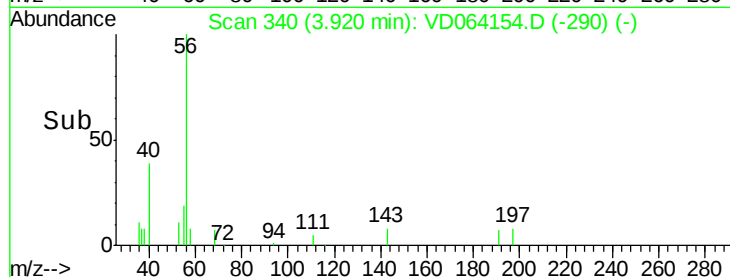
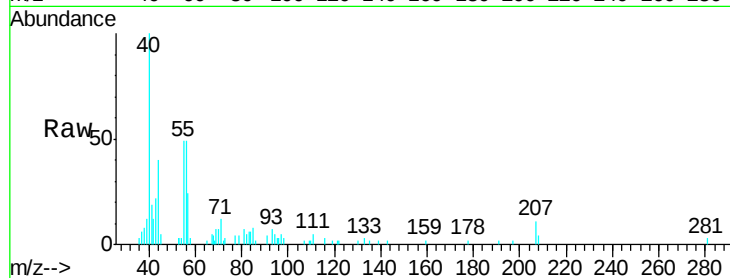
VSTDIC005

Tgt Ion: 56 Resp: 11393

Ion Ratio Lower Upper

56 100

55 95.9 56.1 84.1#



#14

Allyl chloride

Concen: 6.749 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

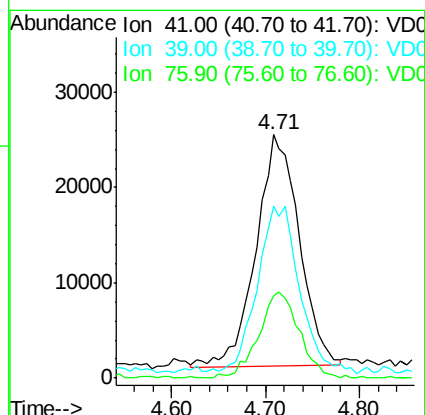
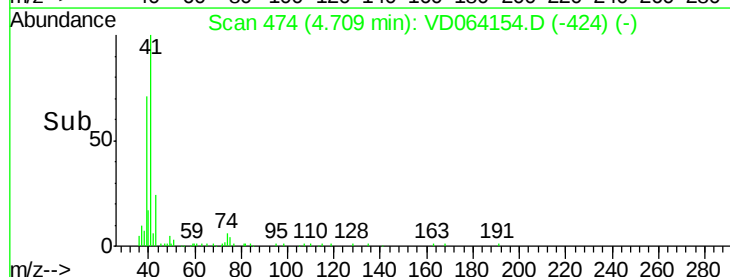
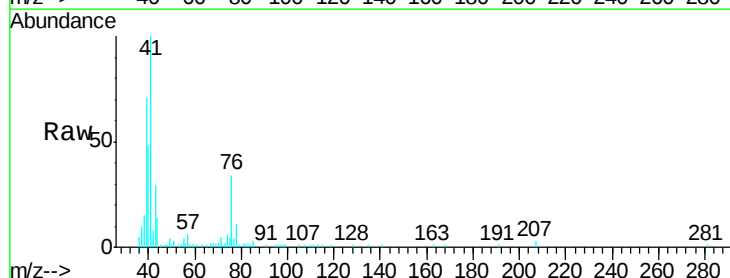
Tgt Ion: 41 Resp: 77313

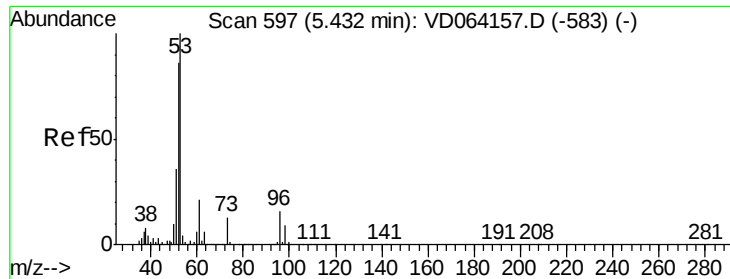
Ion Ratio Lower Upper

41 100

39 71.7 57.5 86.3

76 35.0 26.8 40.2





#15

Acrylonitrile

Concen: 26.190 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

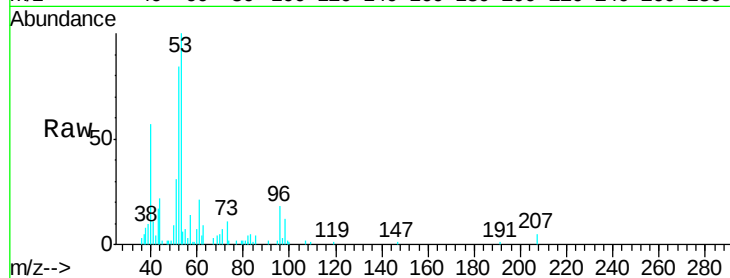
Tgt Ion: 53 Resp: 45201

Ion Ratio Lower Upper

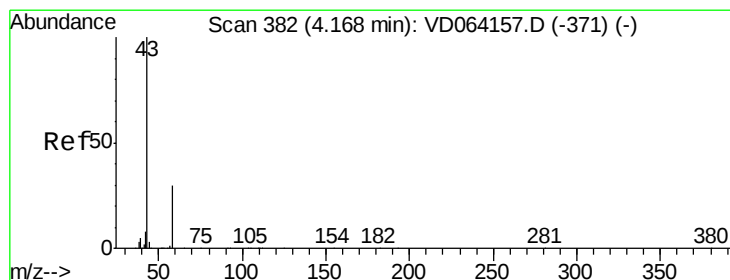
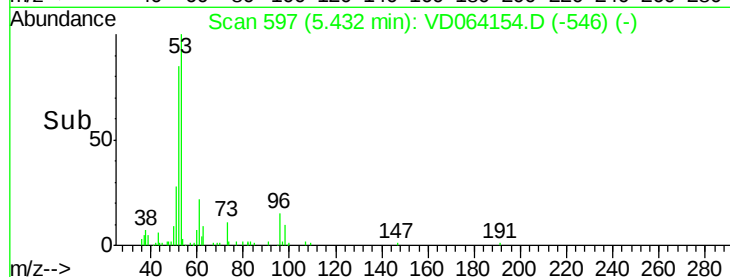
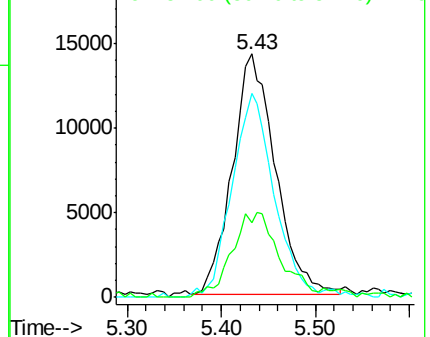
53 100

52 82.6 66.7 100.1

51 38.7 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: 32.501 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064154.D

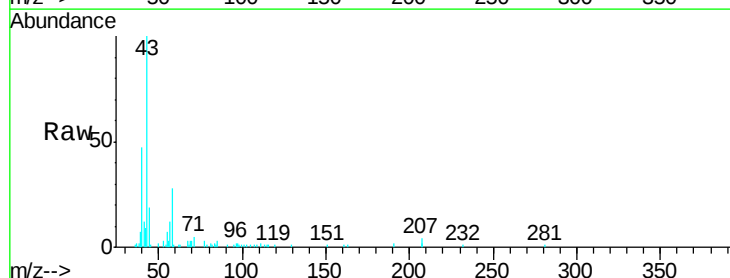
Acq: 08 Nov 2019 13:40

Tgt Ion: 43 Resp: 53153

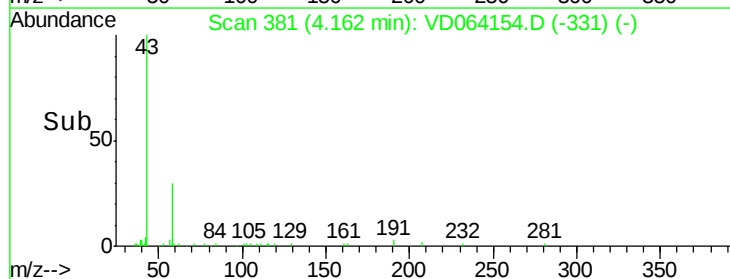
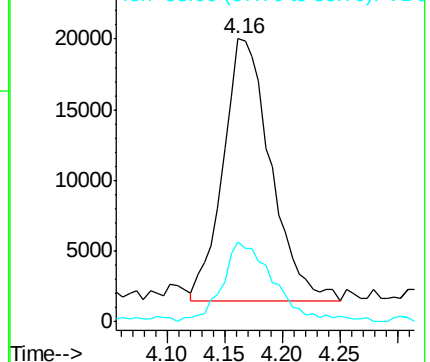
Ion Ratio Lower Upper

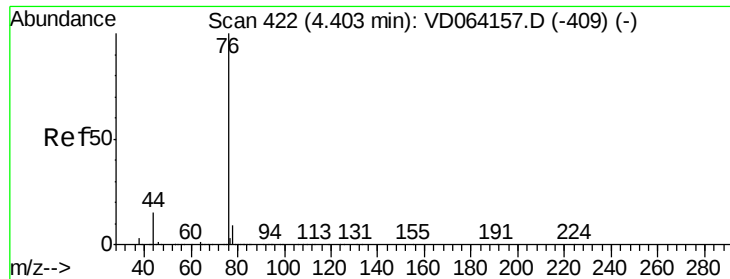
43 100

58 28.6 24.1 36.1



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

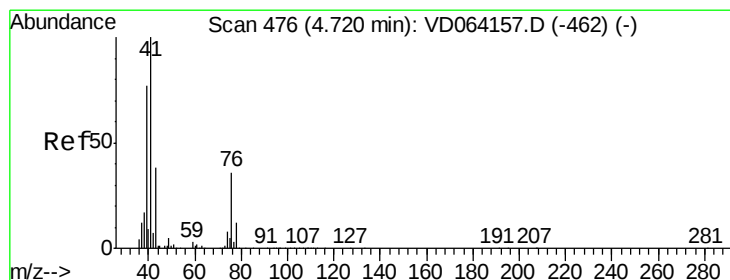
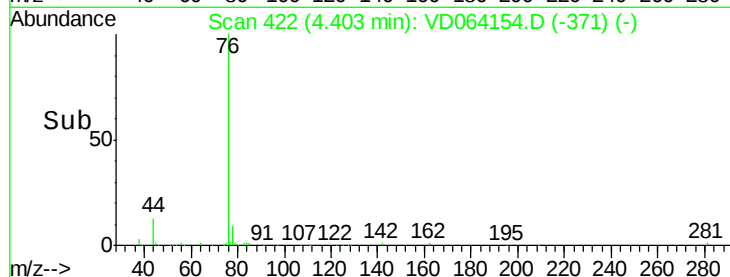
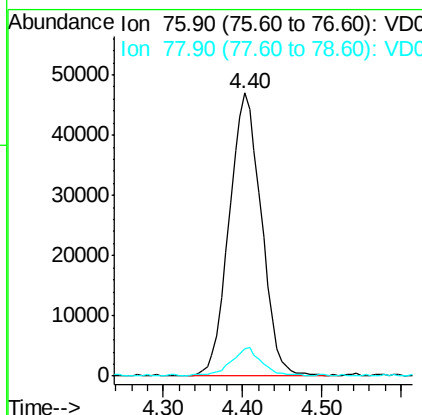
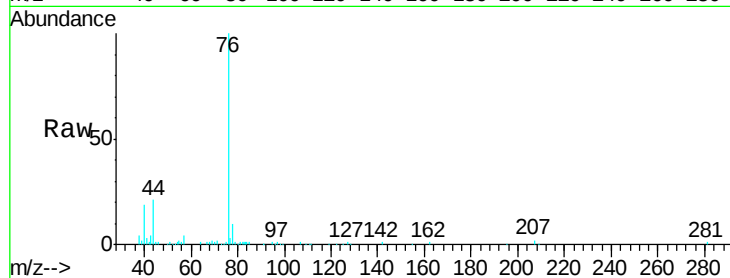




#17
Carbon Disulfide
Concen: 4.750 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

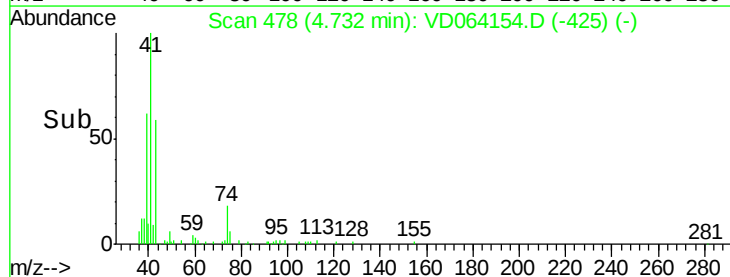
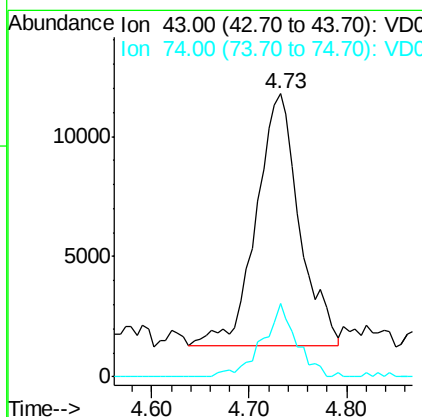
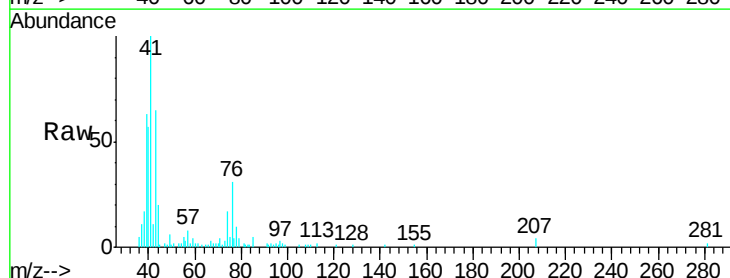
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

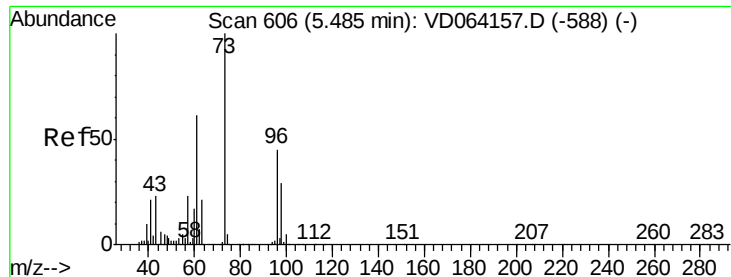
Tgt Ion: 76 Resp: 131917
Ion Ratio Lower Upper
76 100
78 9.9 7.2 10.8



#18
Methyl Acetate
Concen: 7.352 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion: 43 Resp: 32549
Ion Ratio Lower Upper
43 100
74 22.6 18.4 27.6

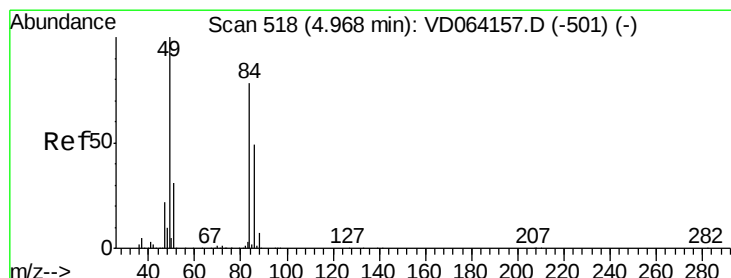
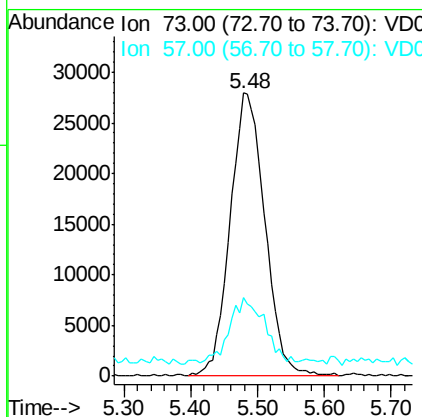
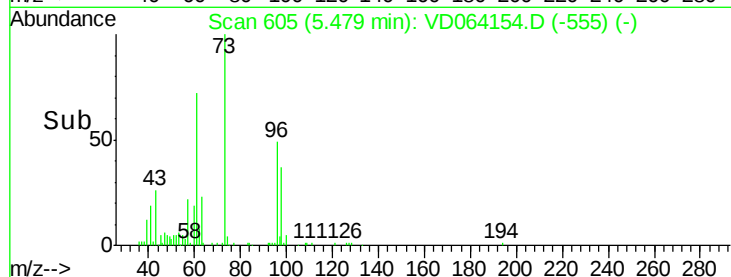
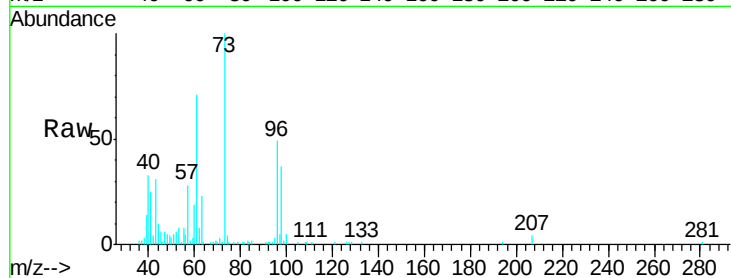




#19
Methyl tert-butyl Ether
Concen: 5.373 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

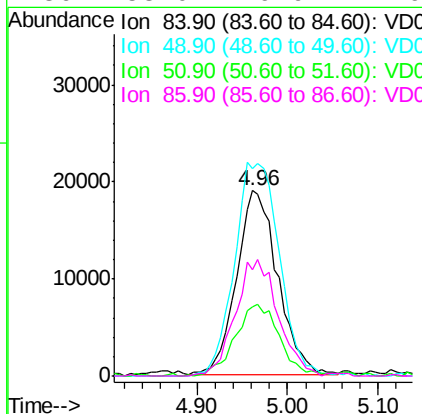
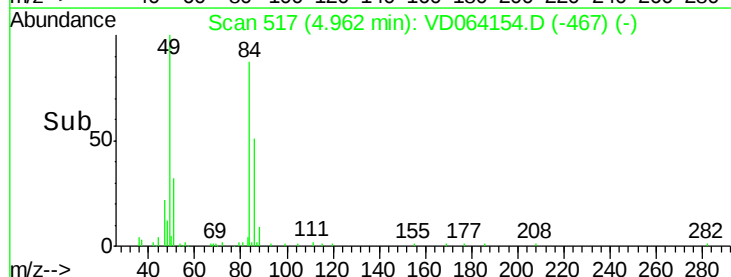
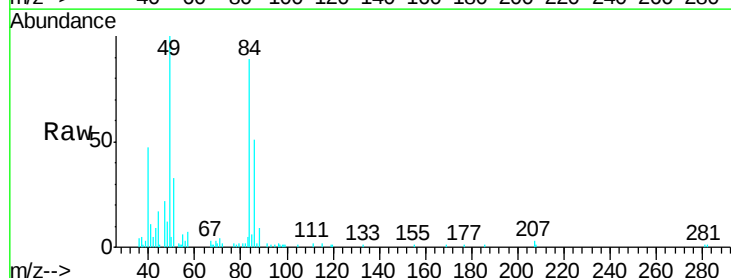
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

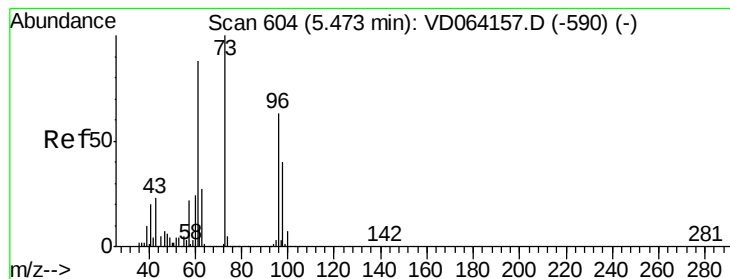
Tgt Ion: 73 Resp: 101157
Ion Ratio Lower Upper
73 100
57 22.2 18.4 27.6



#20
Methylene Chloride
Concen: 5.369 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion: 84 Resp: 59901
Ion Ratio Lower Upper
84 100
49 112.8 102.1 153.1
51 36.5 32.2 48.2
86 58.0 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 5.015 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

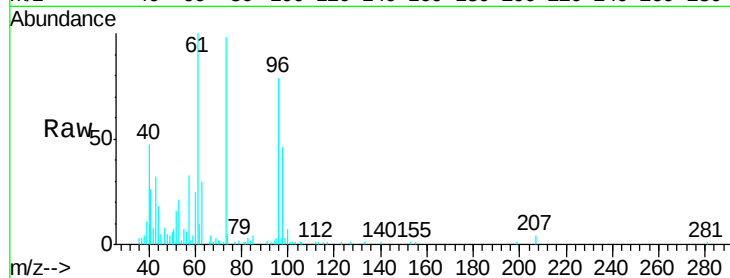
Tgt Ion: 96 Resp: 50741

Ion Ratio Lower Upper

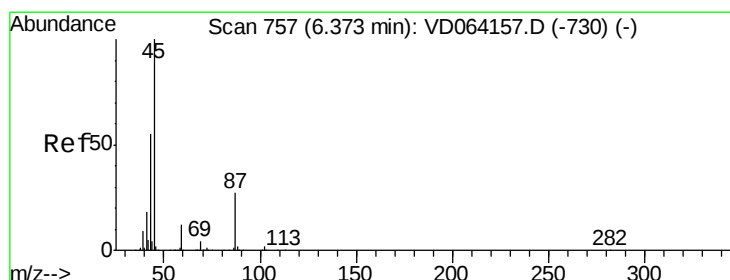
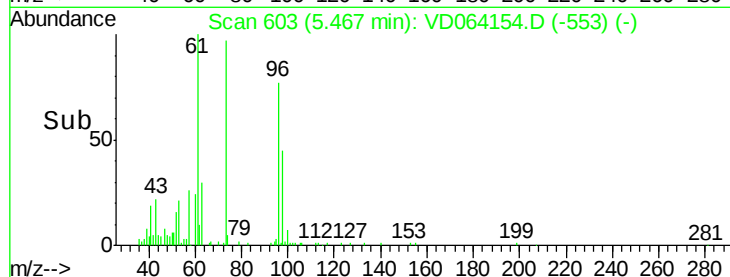
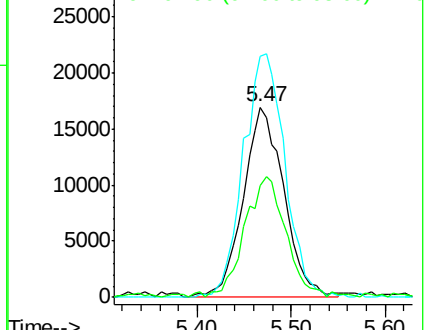
96 100

61 126.9 111.8 167.6

98 58.5 50.3 75.5



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



#22

Diisopropyl ether

Concen: 5.793 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Tgt Ion: 45 Resp: 140904

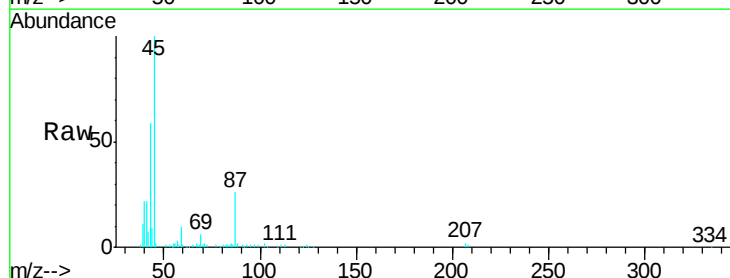
Ion Ratio Lower Upper

45 100

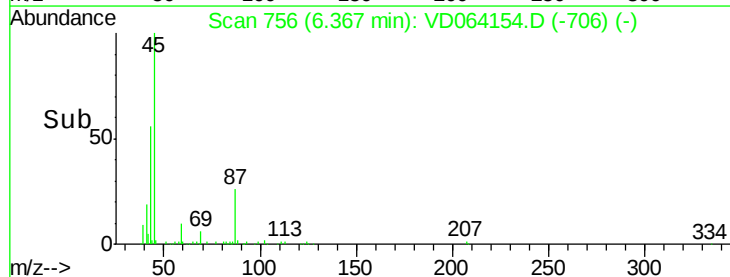
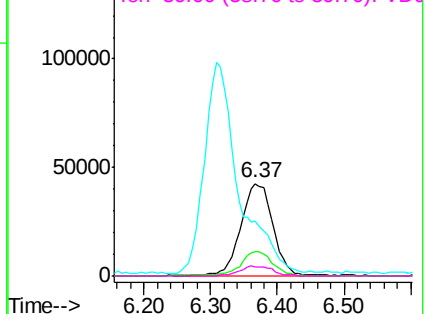
43 55.1 44.4 66.6

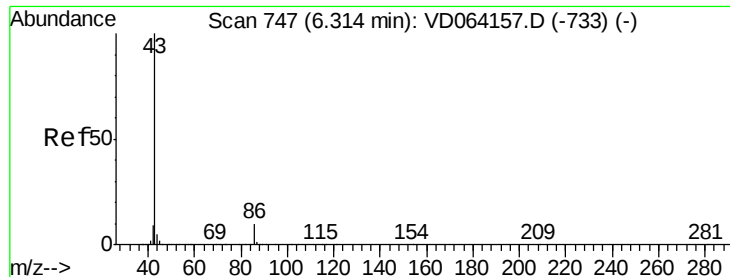
87 26.0 21.9 32.9

59 9.7 9.4 14.2



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





#23

Vinyl Acetate

Concen: 25.835 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

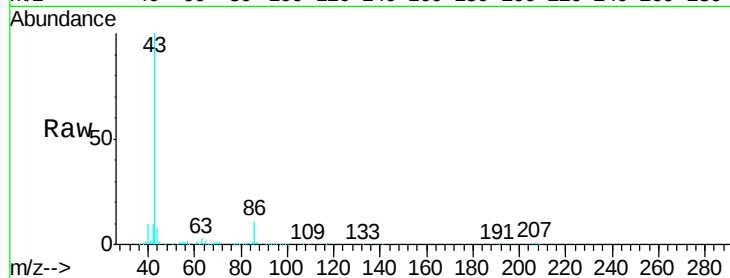
VSTDIC005

Tgt Ion: 43 Resp: 345707

Ion Ratio Lower Upper

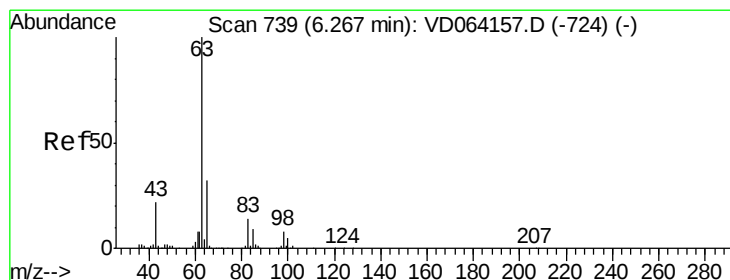
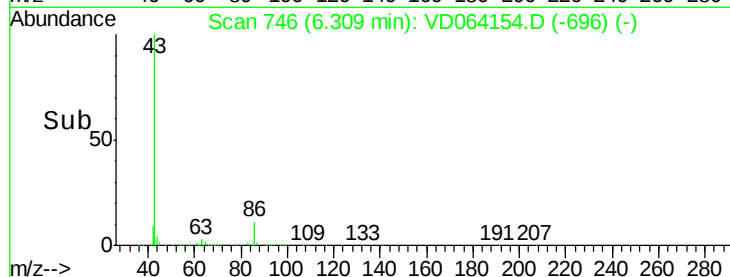
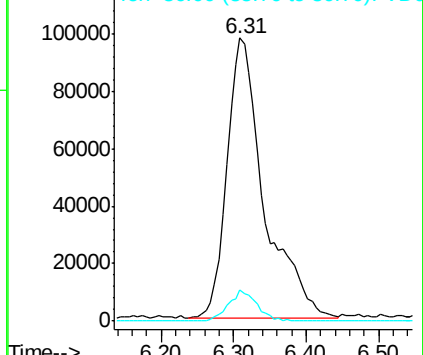
43 100

86 11.3 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.187 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

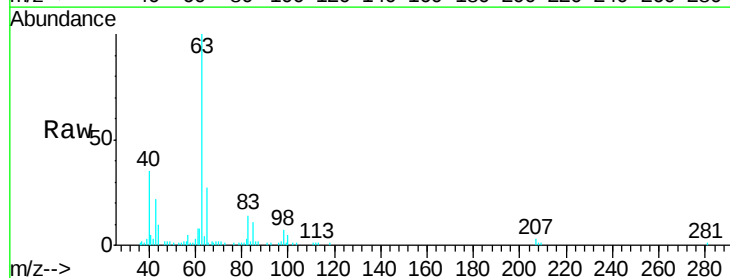
Tgt Ion: 63 Resp: 83029

Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.4

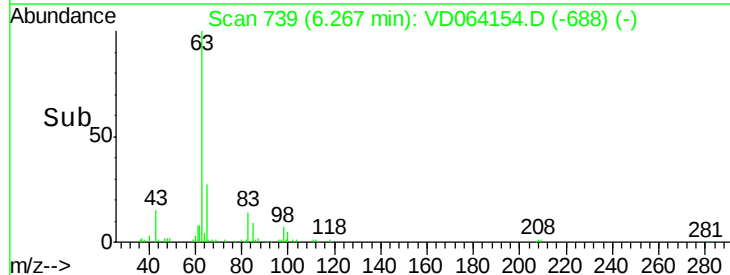
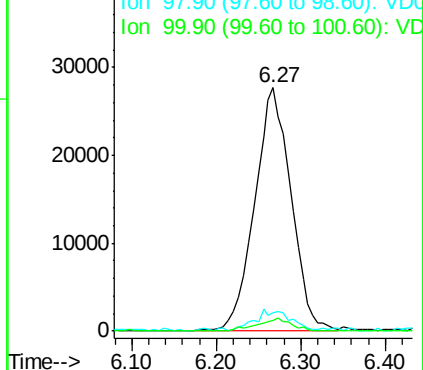
100 4.6 2.4 7.2

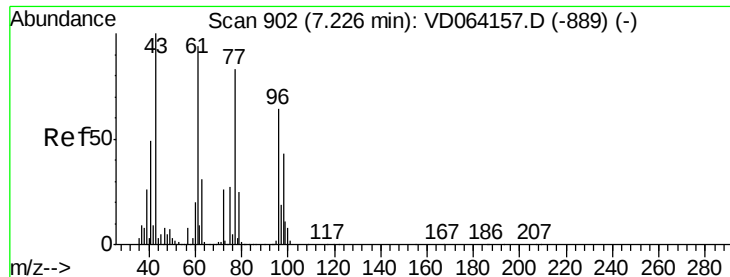


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

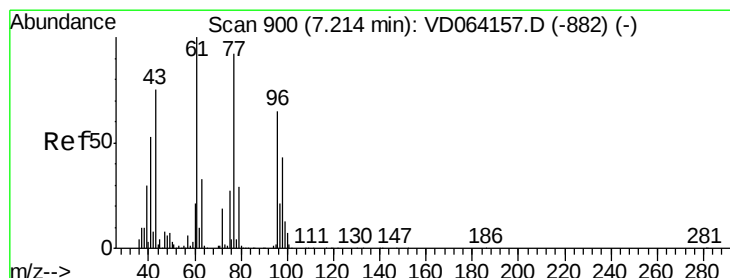
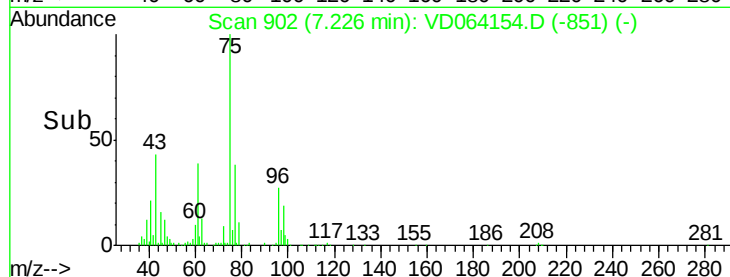
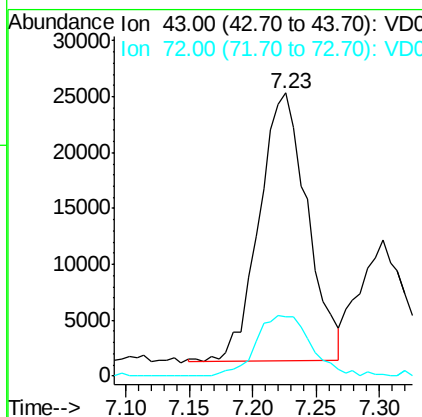
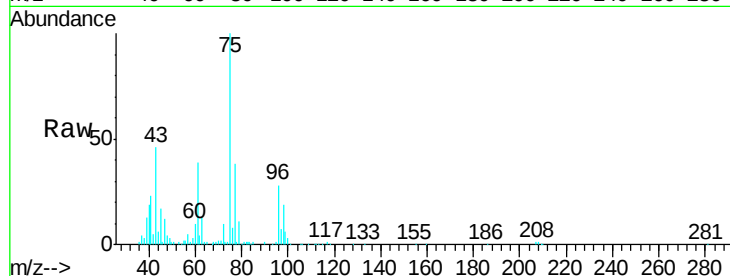




#25
2-Butanone
Concen: 28.330 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

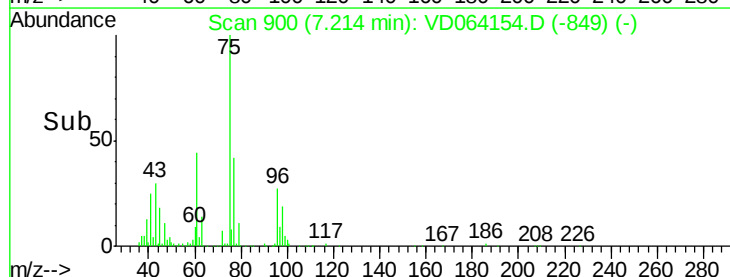
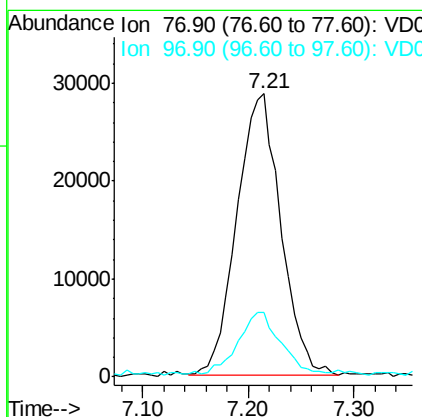
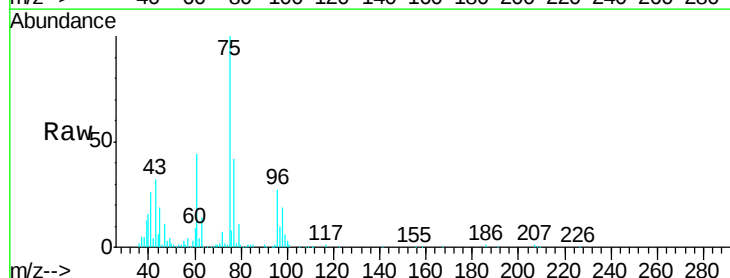
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 63600
Ion Ratio Lower Upper
43 100
72 22.4 20.6 30.8



#26
2,2-Dichloropropane
Concen: 5.413 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion: 77 Resp: 82600
Ion Ratio Lower Upper
77 100
97 21.0 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 4.571 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

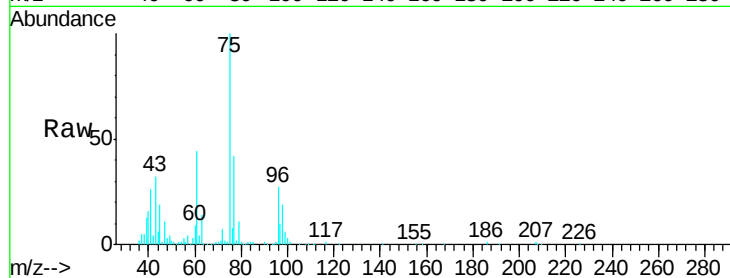
Tgt Ion: 96 Resp: 51362

Ion Ratio Lower Upper

96 100

61 154.4 0.0 301.4

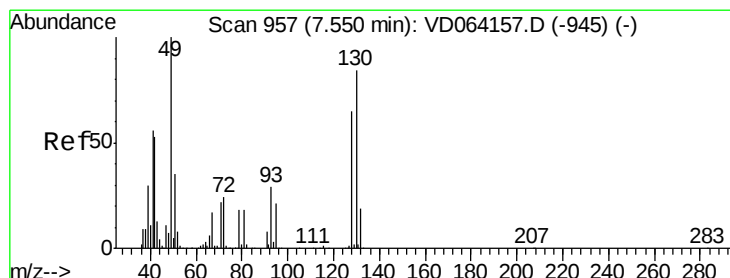
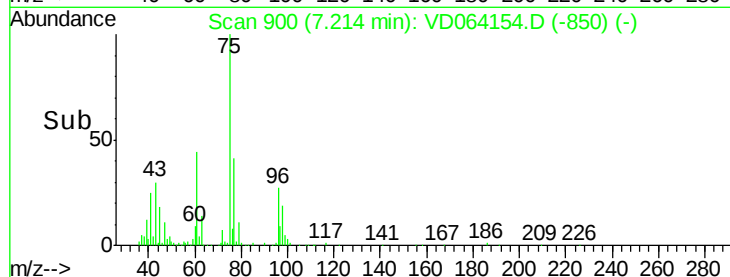
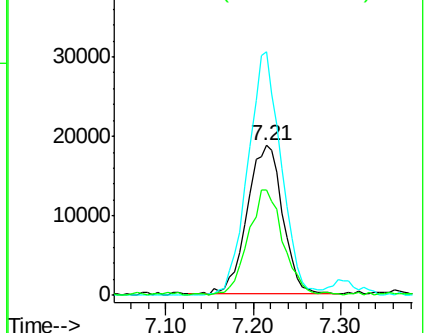
98 69.9 0.0 133.2



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: 5.540 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

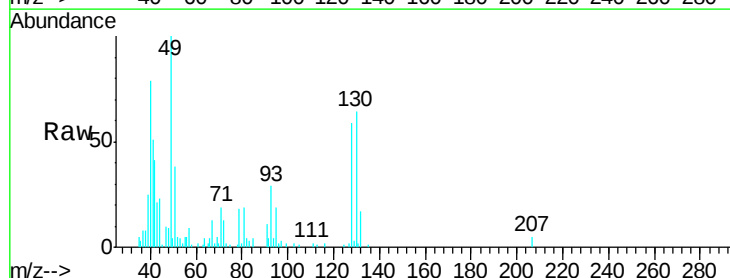
Tgt Ion: 49 Resp: 31885

Ion Ratio Lower Upper

49 100

129 3.2 0.0 4.4

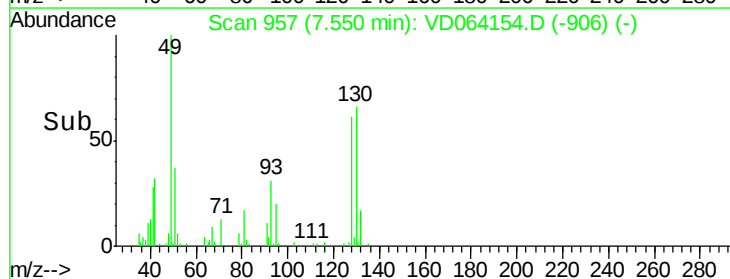
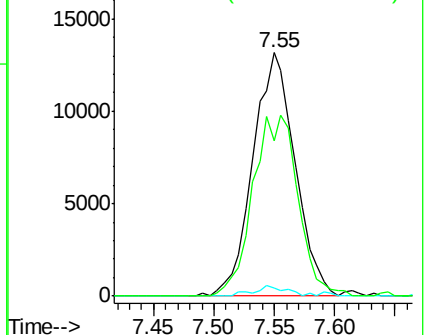
130 79.3 66.8 100.2

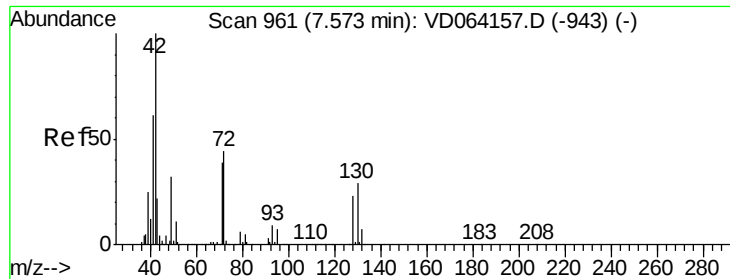


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 27.977 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

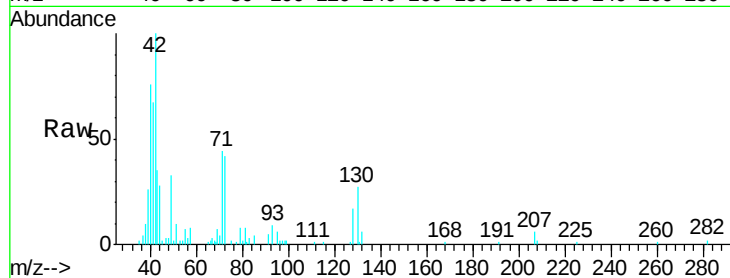
Tgt Ion: 42 Resp: 36950

Ion Ratio Lower Upper

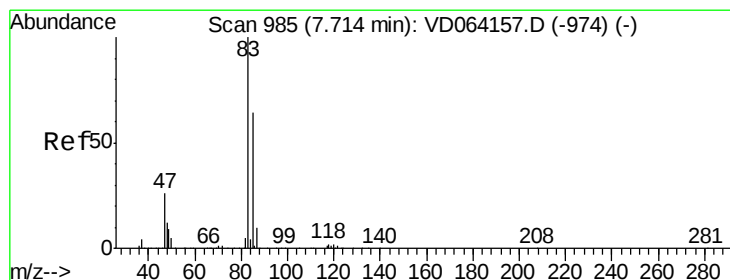
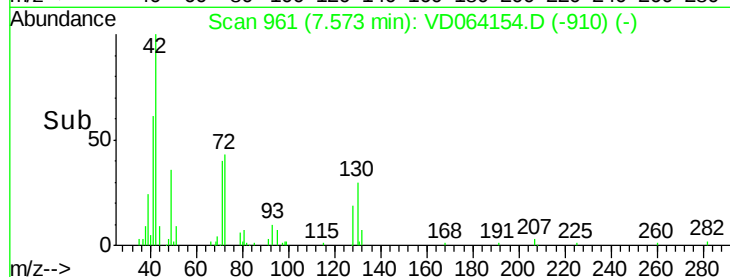
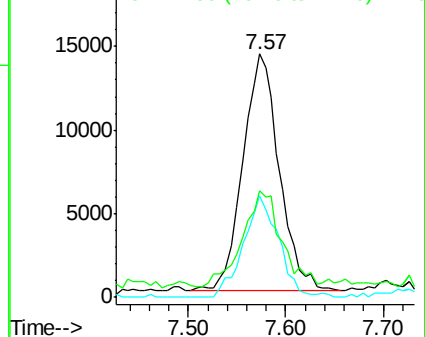
42 100

72 41.1 33.4 50.2

71 43.5 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: 4.678 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD064154.D

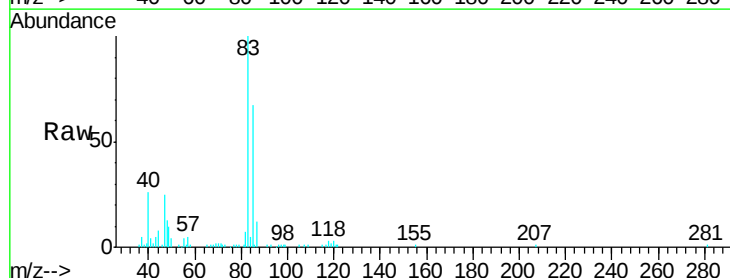
Acq: 08 Nov 2019 13:40

Tgt Ion: 83 Resp: 84260

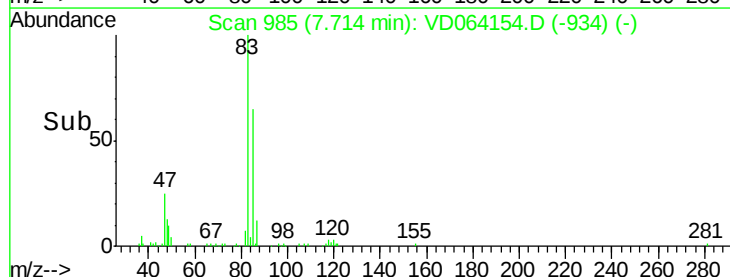
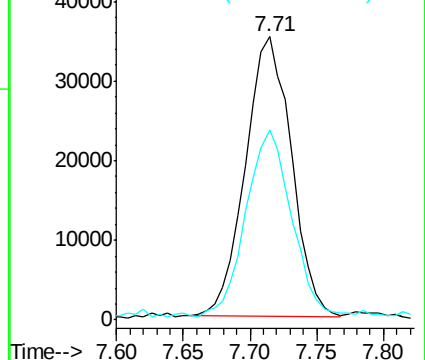
Ion Ratio Lower Upper

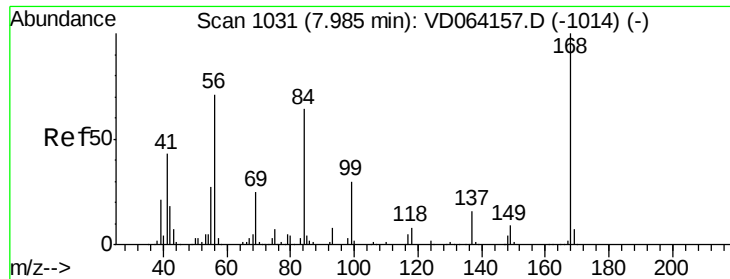
83 100

85 66.4 51.4 77.0



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

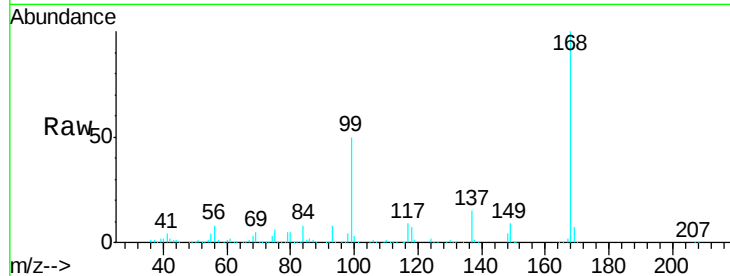




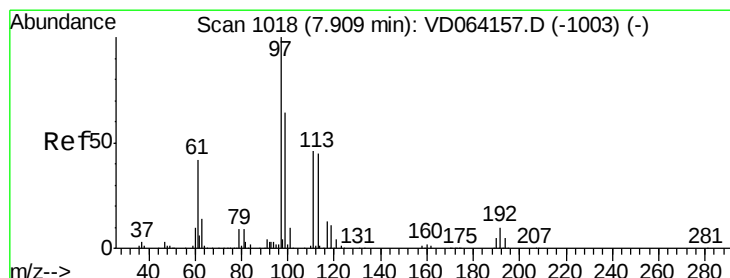
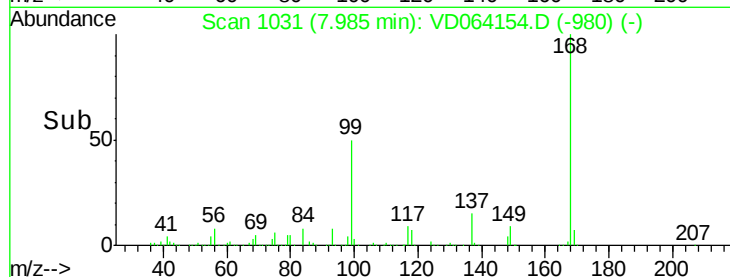
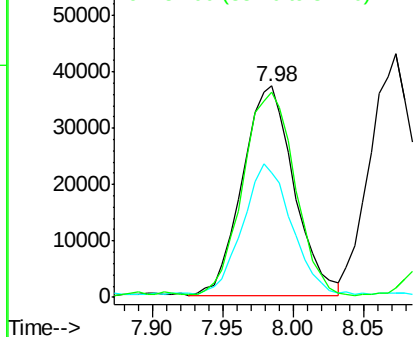
#31
Cyclohexane
Concen: 6.081 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 56 Resp: 95275
Ion Ratio Lower Upper
56 100
69 57.8 28.2 42.4#
84 97.0 71.8 107.6

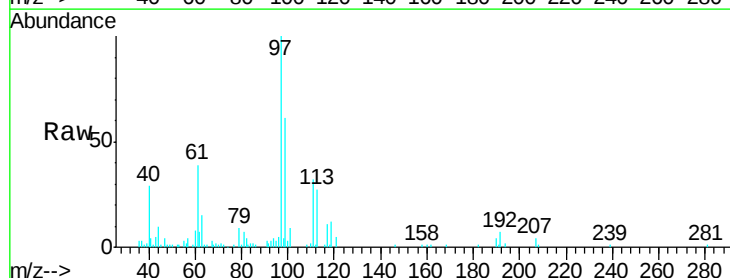


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

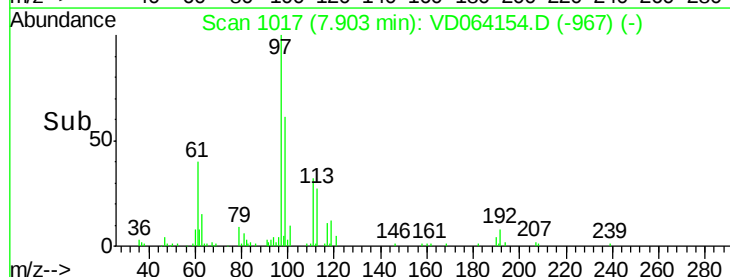
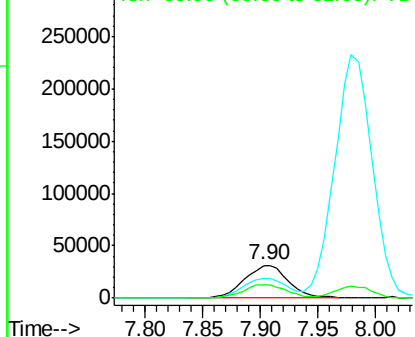


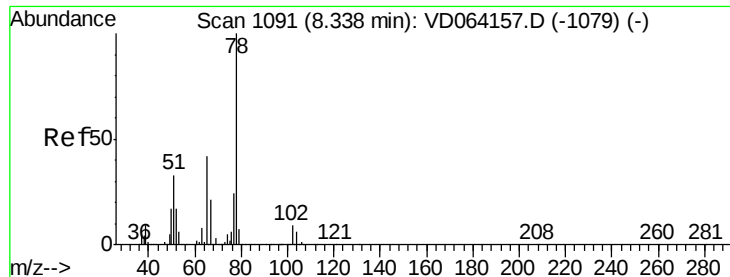
#32
1,1,1-Trichloroethane
Concen: 4.957 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion: 97 Resp: 83260
Ion Ratio Lower Upper
97 100
99 63.6 51.6 77.4
61 41.5 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: 4.369 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

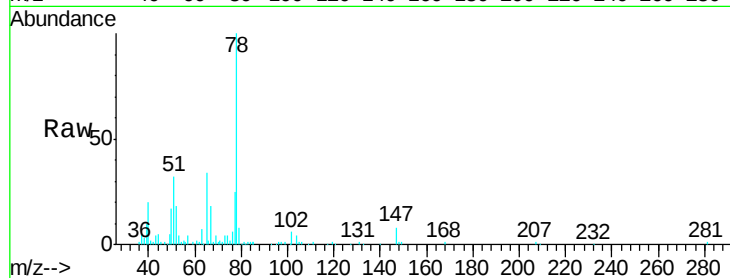
VSTDIC005

Tgt Ion: 65 Resp: 36705

Ion Ratio Lower Upper

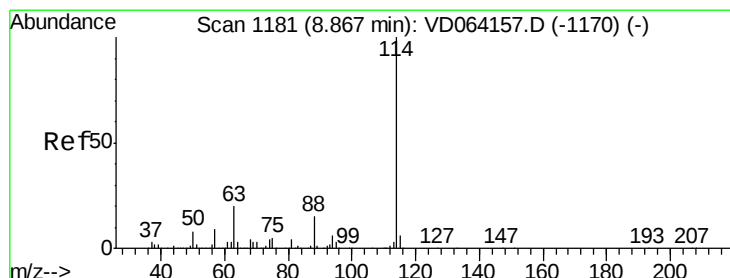
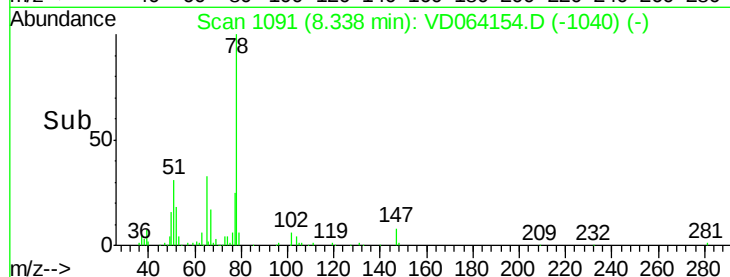
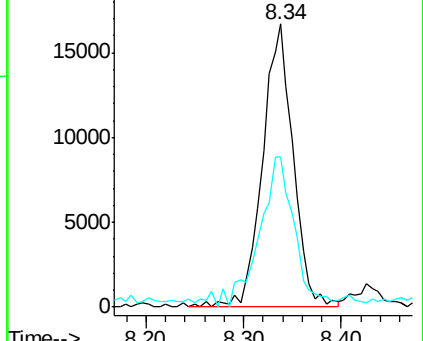
65 100

67 60.4 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: VD064154.D

Acq: 08 Nov 2019 13:40

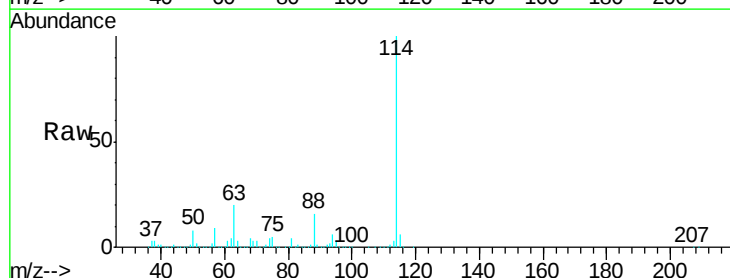
Tgt Ion: 114 Resp: 1449836

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.0

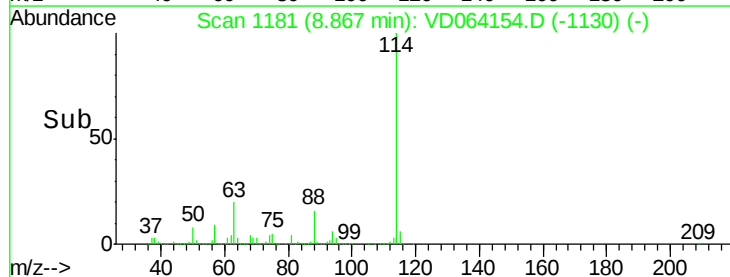
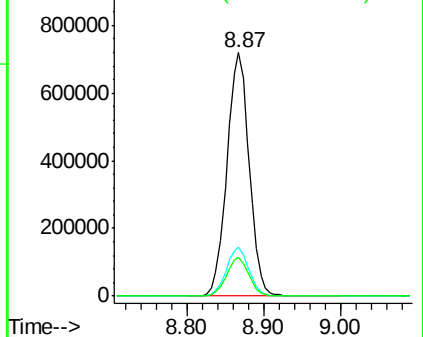
88 15.9 0.0 30.2

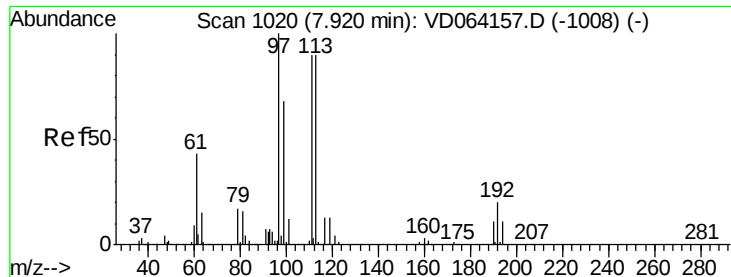


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

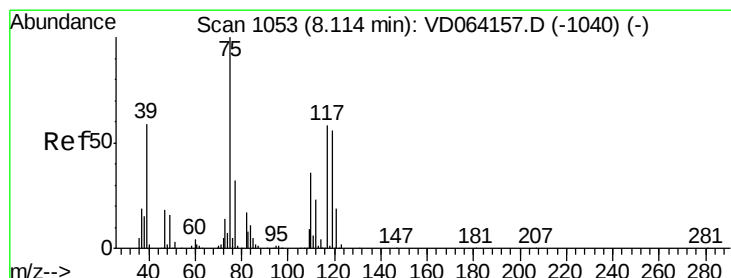
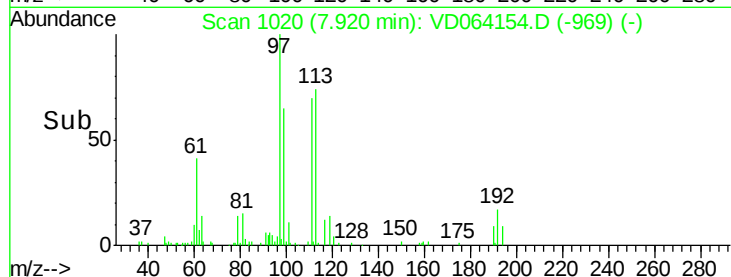
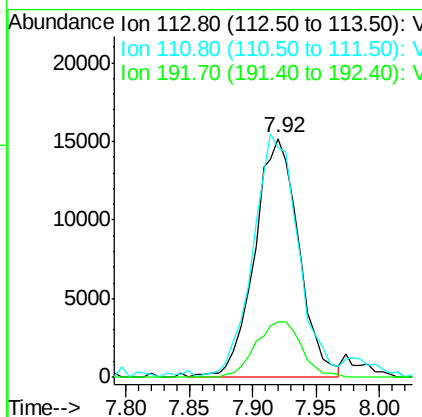
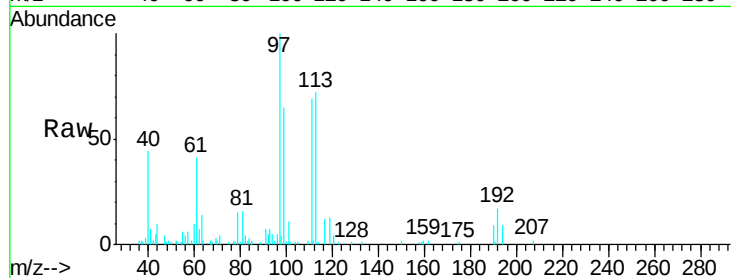




#35
Dibromofluoromethane
Concen: 4.152 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

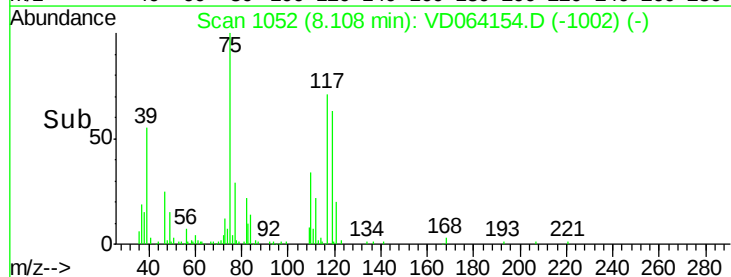
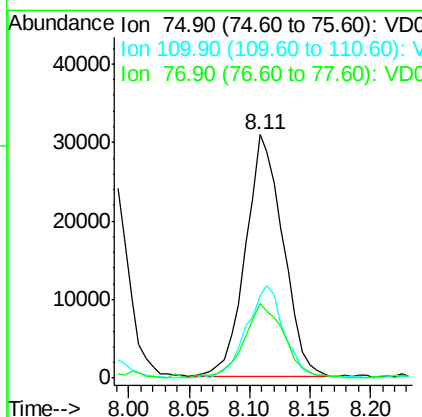
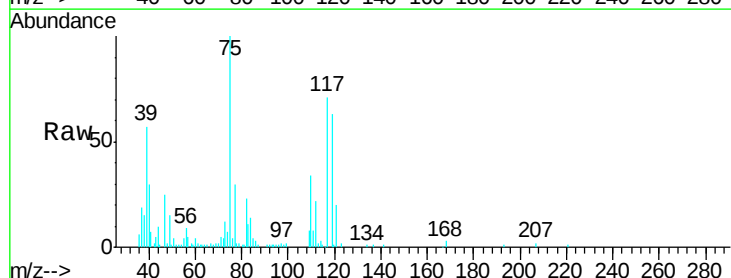
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 113 Resp: 36887
Ion Ratio Lower Upper
113 100
111 103.9 81.5 122.3
192 24.2 18.8 28.2



#36
1,1-Dichloropropene
Concen: 4.883 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion: 75 Resp: 66737
Ion Ratio Lower Upper
75 100
110 38.8 18.3 54.9
77 33.3 25.0 37.6

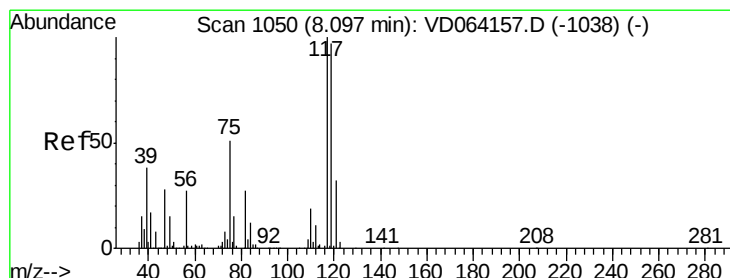
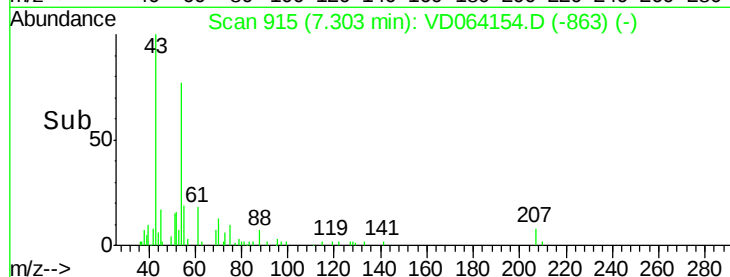
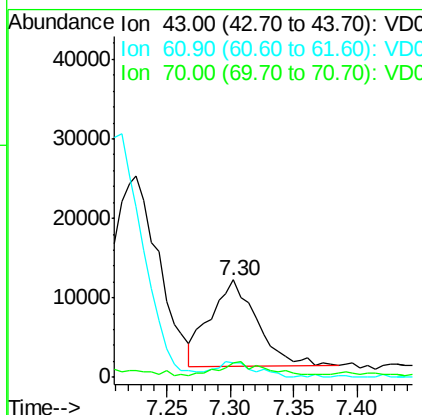
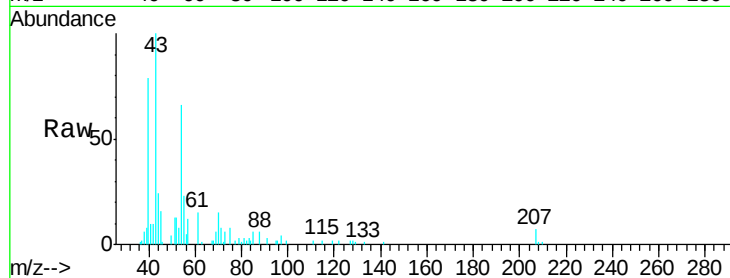




#37
Ethyl Acetate
Concen: 6.352 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

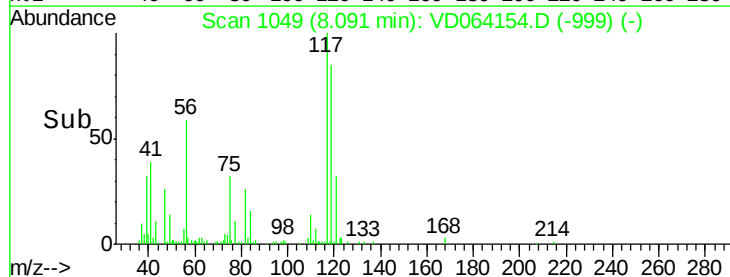
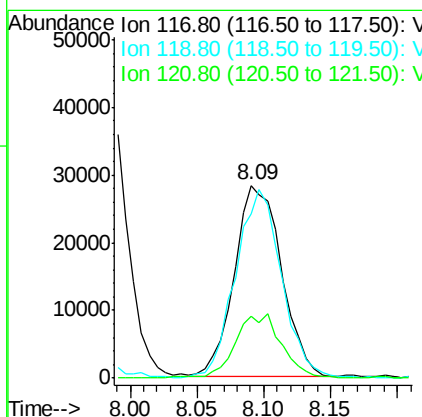
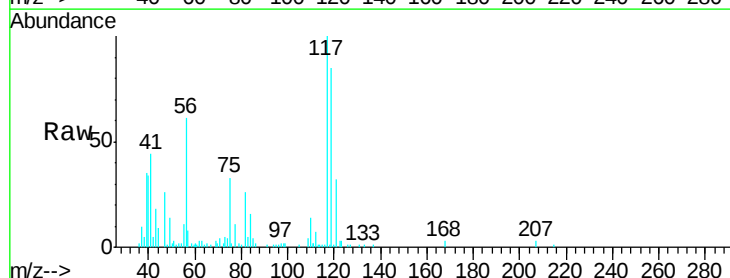
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

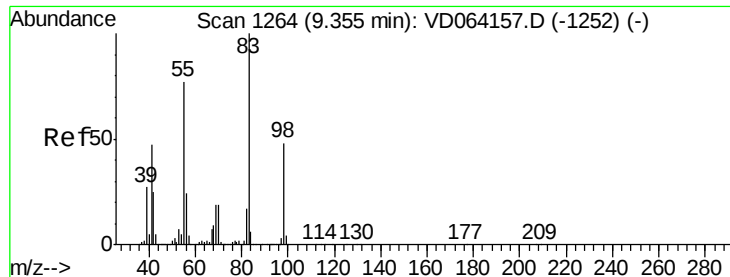
Tgt Ion: 43 Resp: 28036
Ion Ratio Lower Upper
43 100
61 15.7 10.2 15.2#
70 15.2 8.5 12.7#



#38
Carbon Tetrachloride
Concen: 4.694 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion: 117 Resp: 69406
Ion Ratio Lower Upper
117 100
119 85.1 77.2 115.8
121 32.4 25.5 38.3

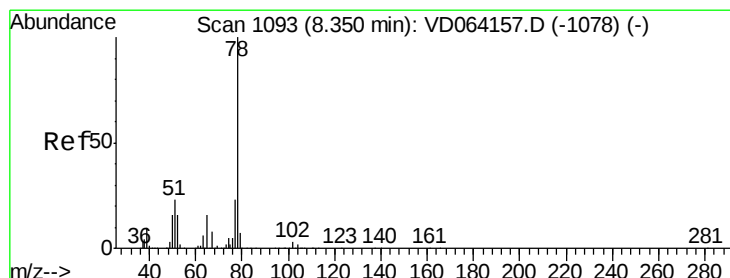
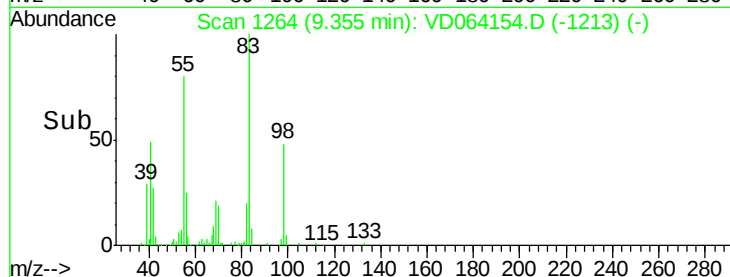
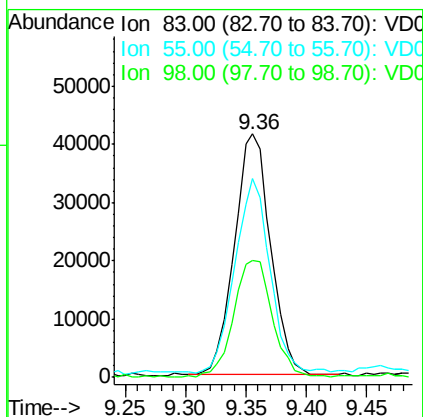
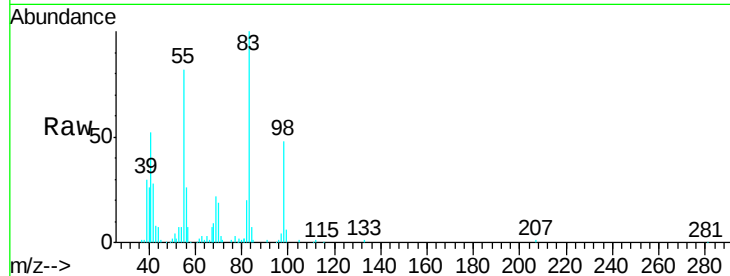




#39
Methylcyclohexane
Concen: 5.217 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

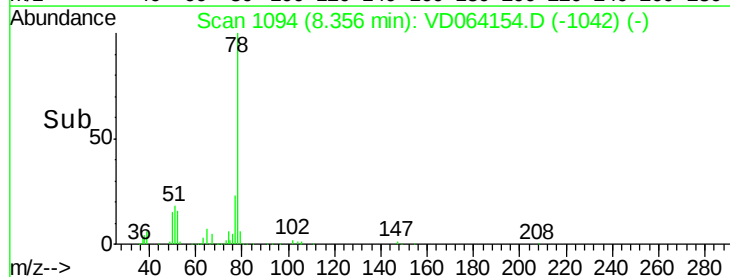
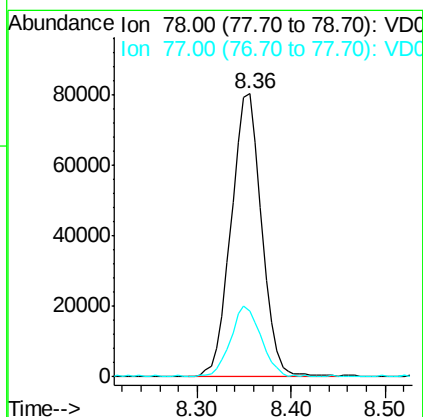
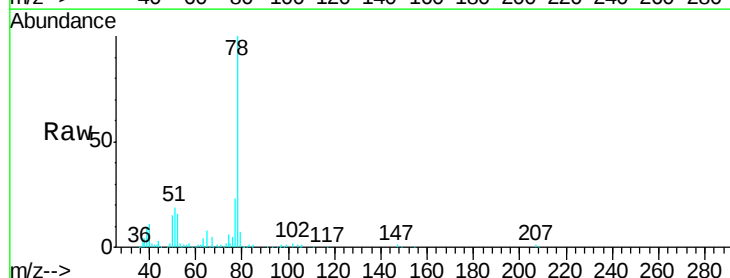
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

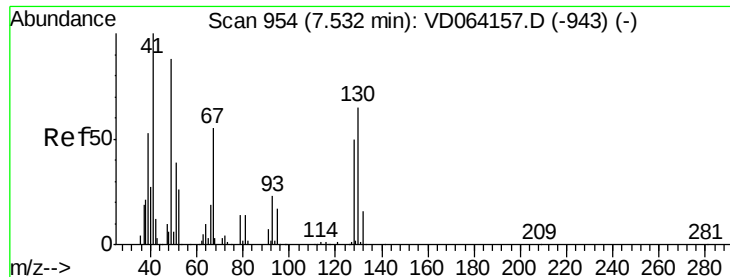
Tgt Ion: 83 Resp: 86639
Ion Ratio Lower Upper
83 100
55 79.9 61.7 92.5
98 47.7 38.6 58.0



#40
Benzene
Concen: 4.886 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion: 78 Resp: 181203
Ion Ratio Lower Upper
78 100
77 22.8 18.6 28.0

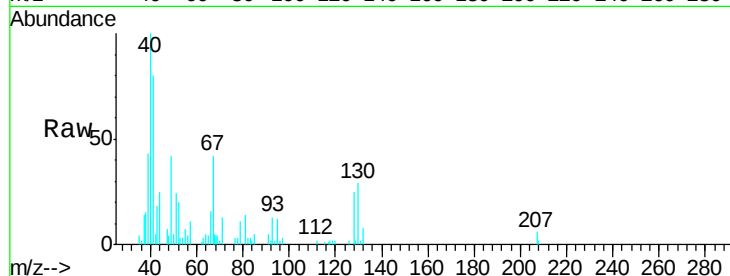




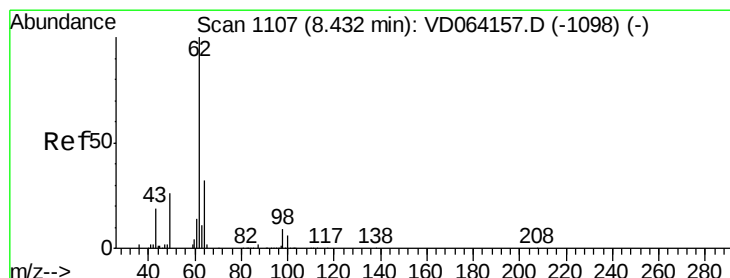
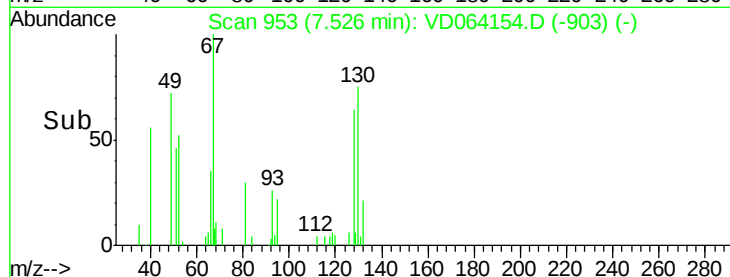
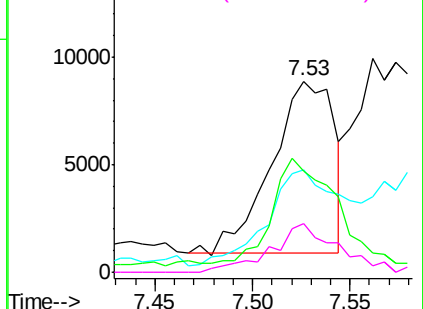
#41
Methacrylonitrile
Concen: 6.787 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion:	41	Resp:	17939
Ion	Ratio	Lower	Upper
41	100		
39	69.3	49.4	74.2
67	64.3	49.6	74.4
52	29.9	21.4	32.0

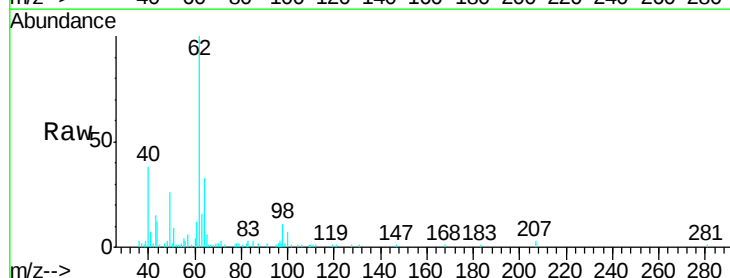


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

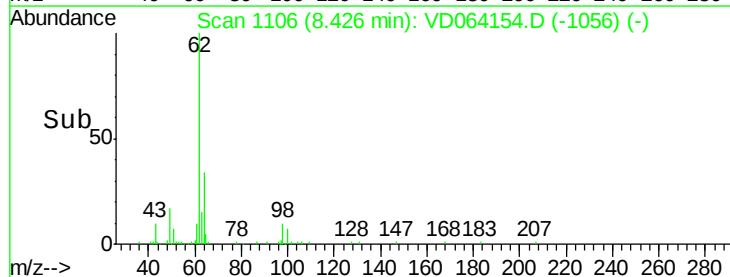
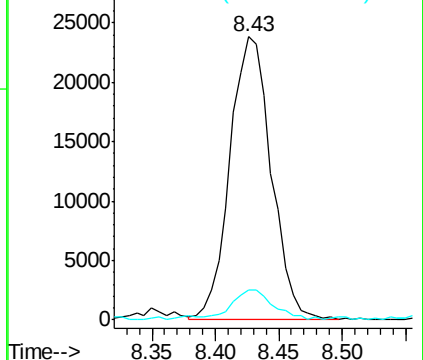


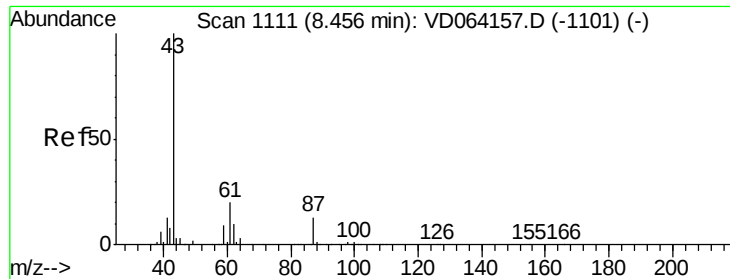
#42
1,2-Dichloroethane
Concen: 5.417 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion:	62	Resp:	53955
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	19.0



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





#43

Isopropyl Acetate

Concen: 6.202 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

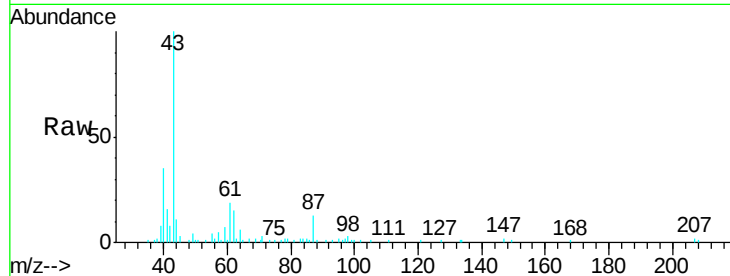
Tgt Ion: 43 Resp: 55916

Ion Ratio Lower Upper

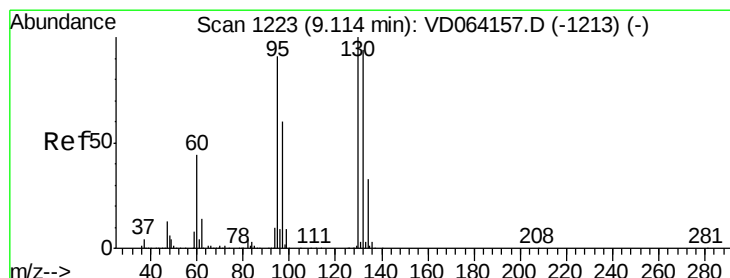
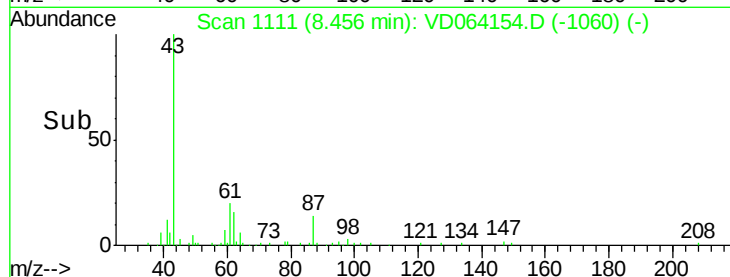
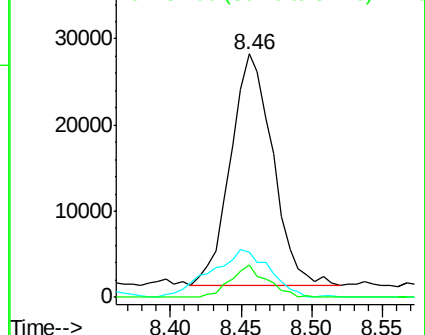
43 100

61 28.6 22.9 34.3

87 12.0 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: 4.974 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064154.D

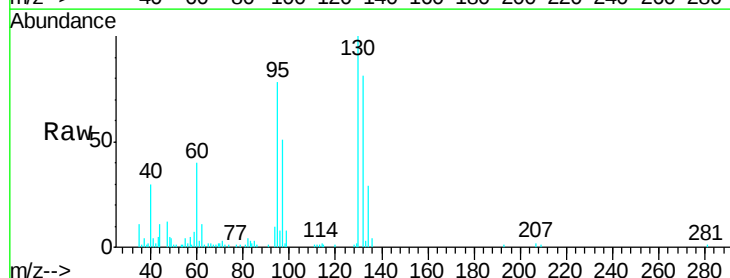
Acq: 08 Nov 2019 13:40

Tgt Ion: 130 Resp: 55649

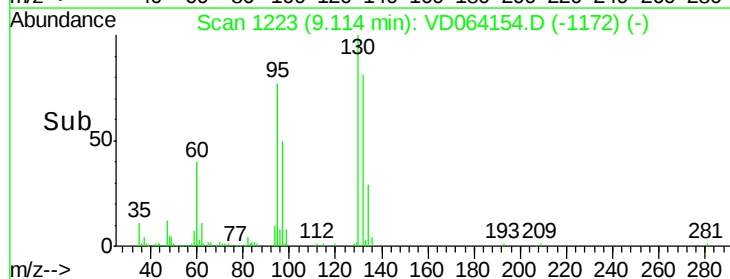
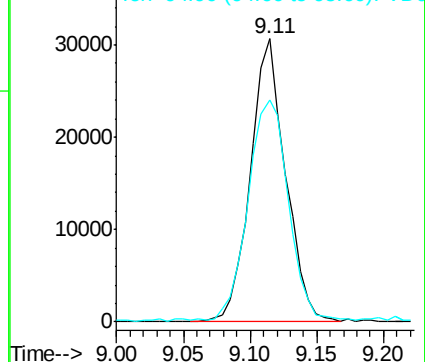
Ion Ratio Lower Upper

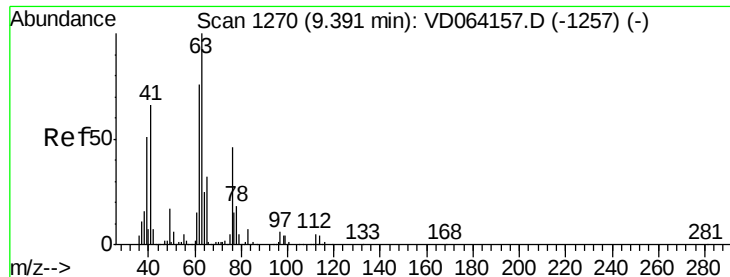
130 100

95 77.7 0.0 181.6



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

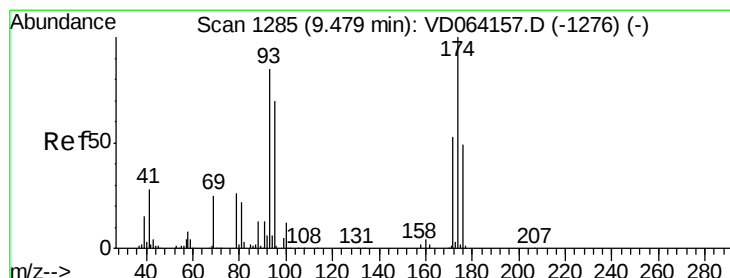
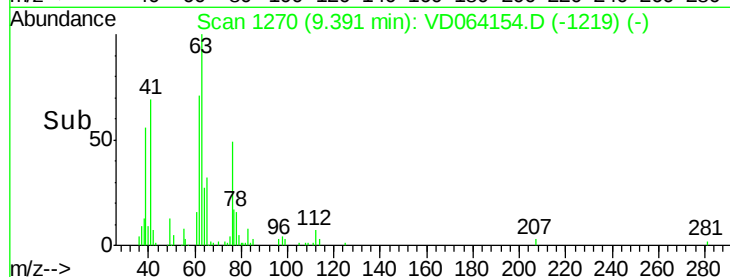
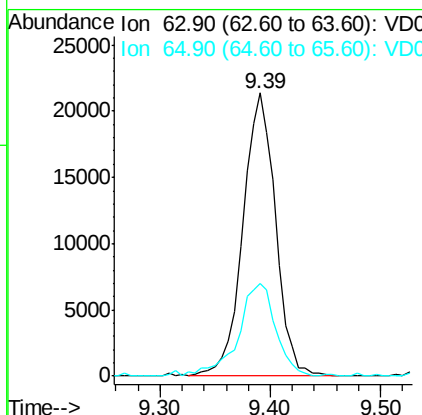
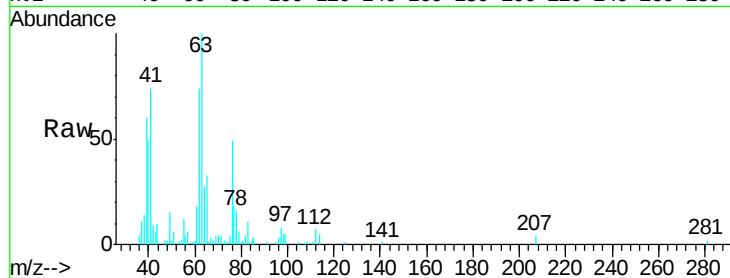




#45
 1,2-Dichloropropane
 Concen: 5.096 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

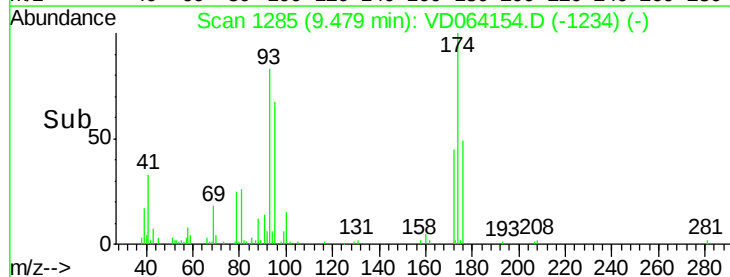
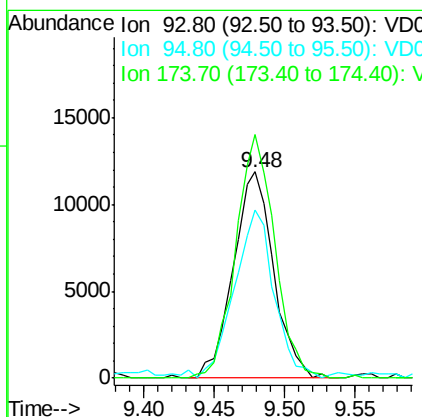
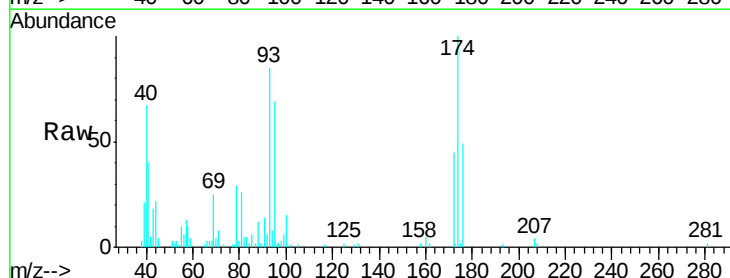
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

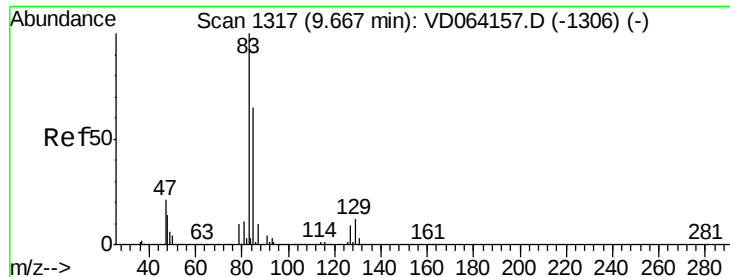
Tgt Ion: 63 Resp: 44264
 Ion Ratio Lower Upper
 63 100
 65 32.6 25.7 38.5



#46
 Dibromomethane
 Concen: 4.647 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Tgt Ion: 93 Resp: 23696
 Ion Ratio Lower Upper
 93 100
 95 81.0 65.5 98.3
 174 114.2 93.9 140.9





#47

Bromodichloromethane

Concen: 4.877 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

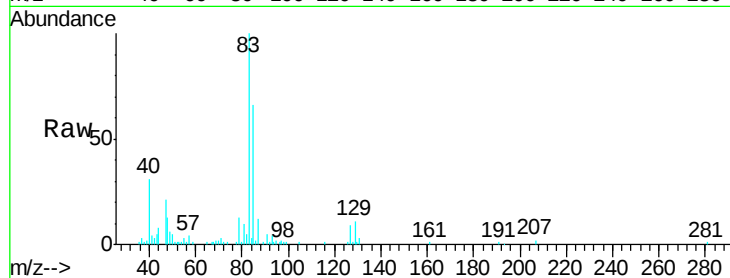
Tgt Ion: 83 Resp: 63300

Ion Ratio Lower Upper

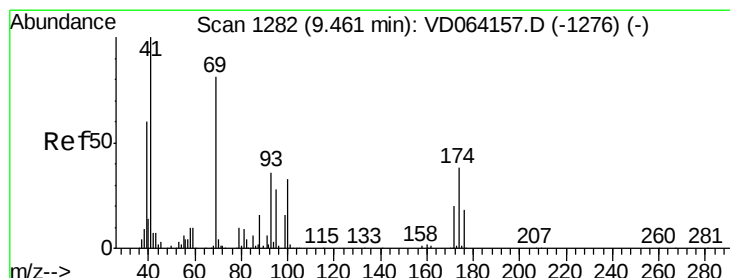
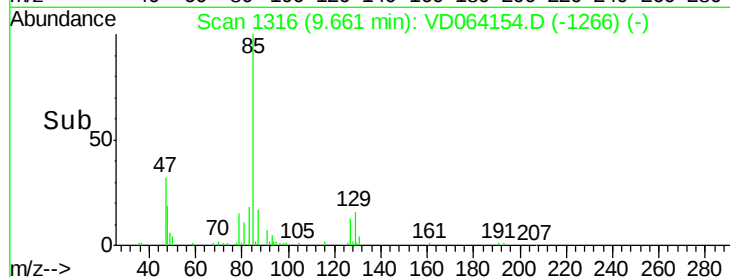
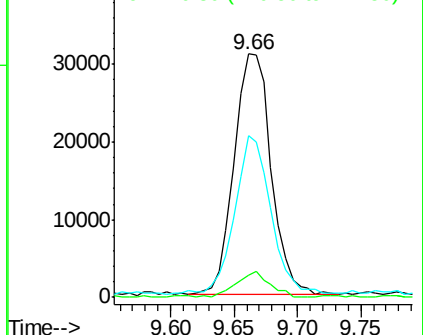
83 100

85 65.2 52.2 78.4

127 8.3 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: 7.252 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

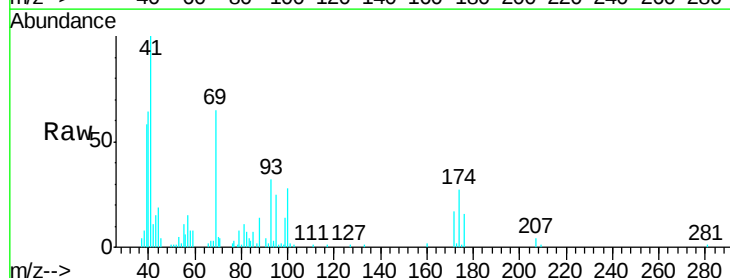
Tgt Ion: 41 Resp: 30342

Ion Ratio Lower Upper

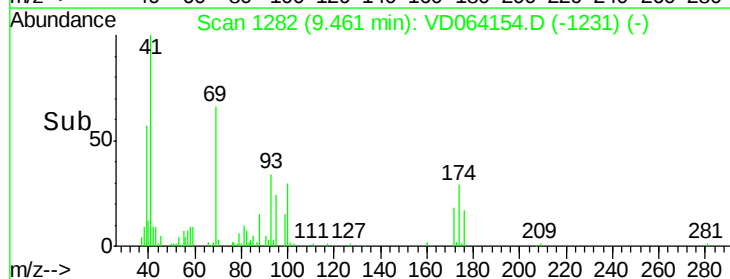
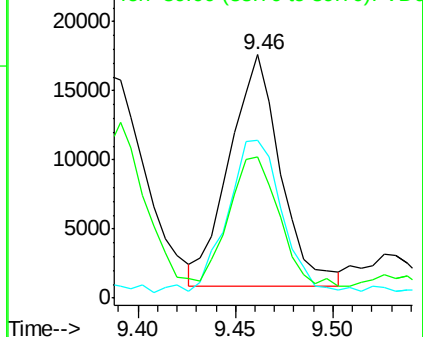
41 100

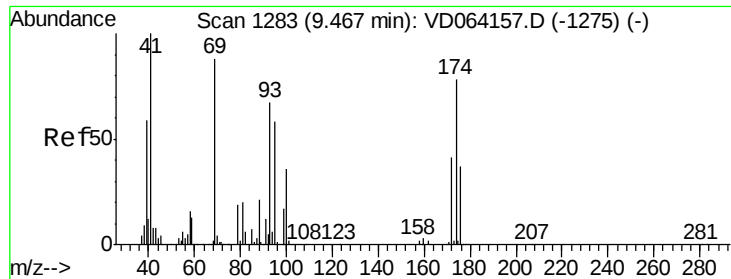
69 69.7 64.6 97.0

39 54.2 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

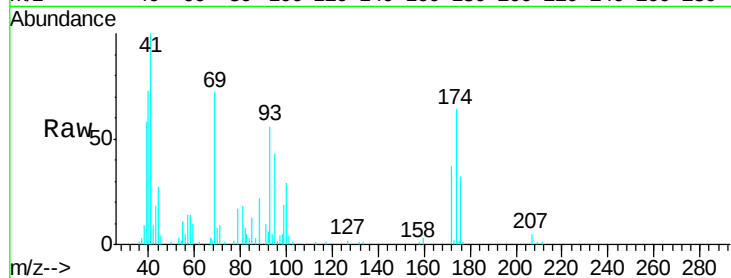




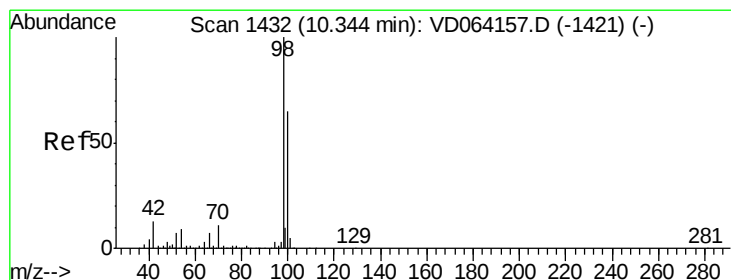
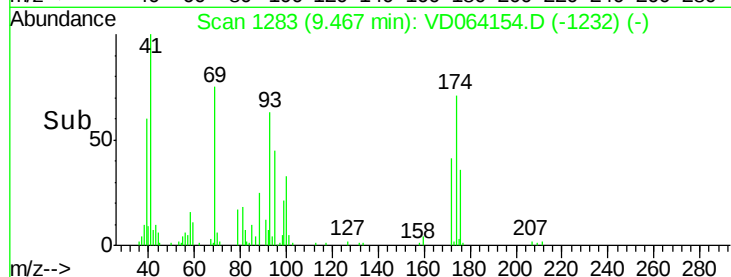
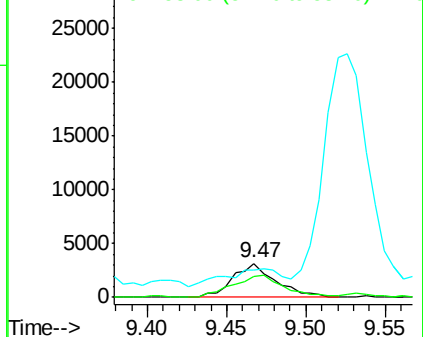
#49
1,4-Dioxane
Concen: 102.876 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 88 Resp: 5923
Ion Ratio Lower Upper
88 100
43 67.9 29.8 44.8#
58 78.2 58.1 87.1

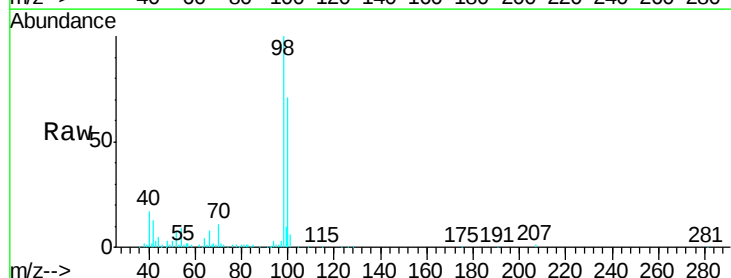


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

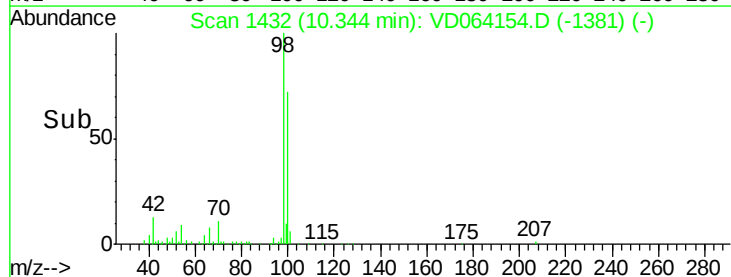
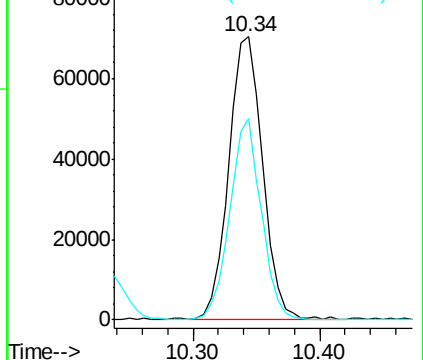


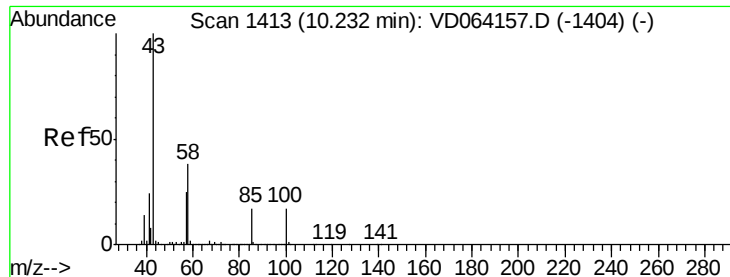
#50
Toluene-d8
Concen: 3.684 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion: 98 Resp: 130197
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

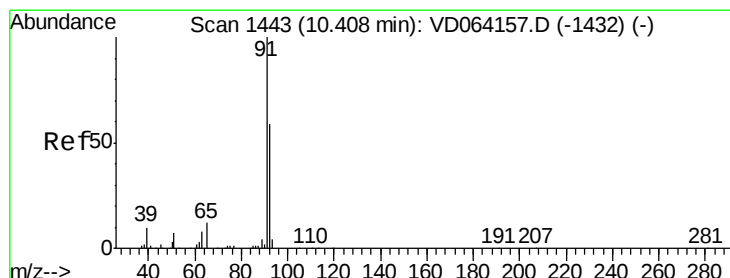
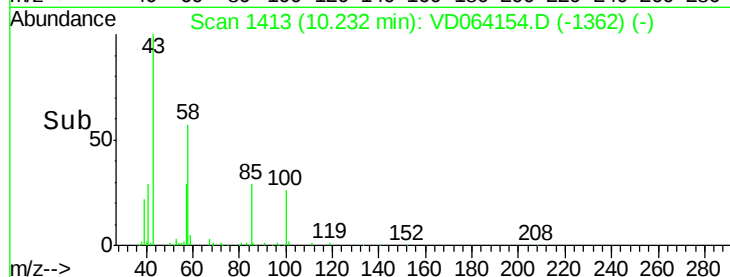
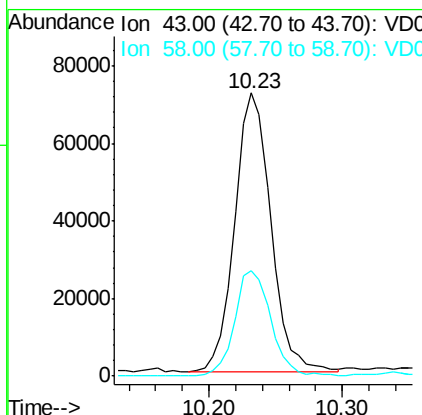
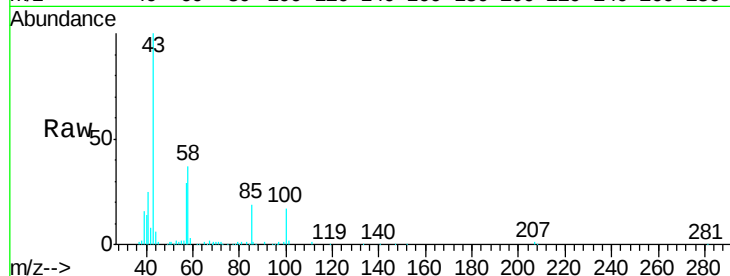




#51
4-Methyl-2-Pentanone
Concen: 28.448 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

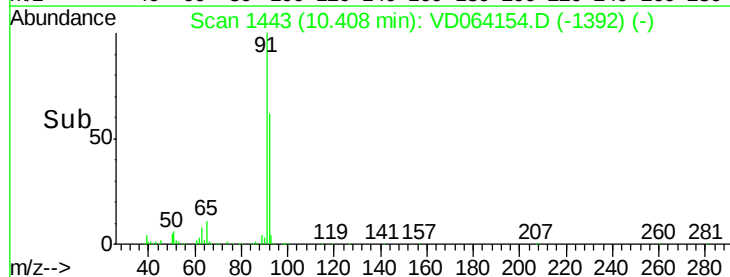
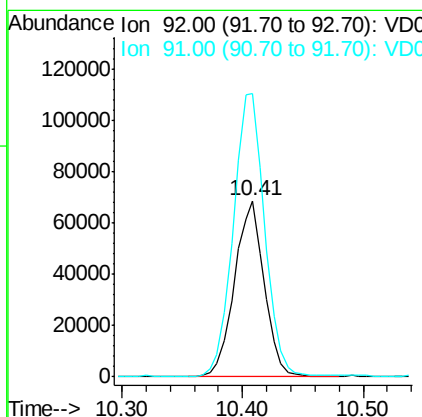
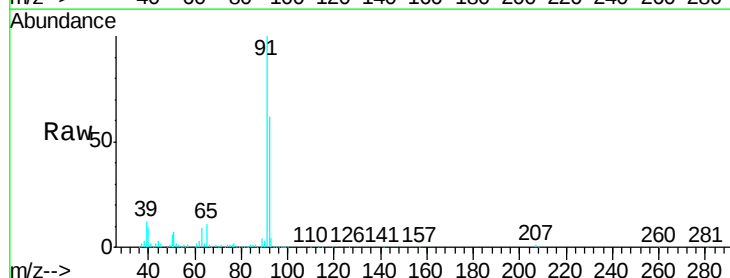
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

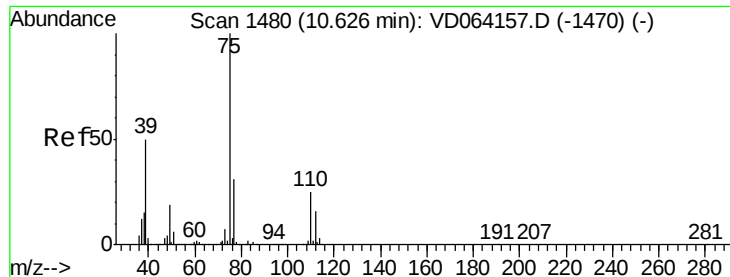
Tgt Ion: 43 Resp: 134756
Ion Ratio Lower Upper
43 100
58 38.1 30.2 45.4



#52
Toluene
Concen: 4.616 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion: 92 Resp: 118227
Ion Ratio Lower Upper
92 100
91 170.6 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 5.105 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

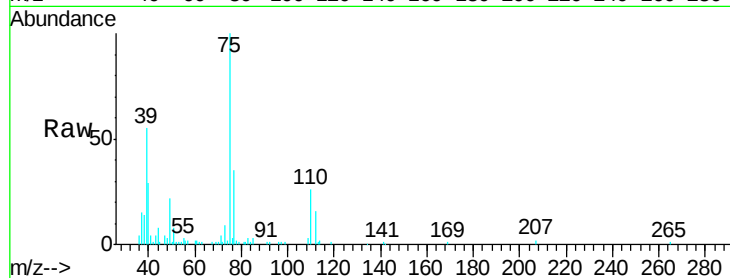
VSTDIC005

Tgt Ion: 75 Resp: 62329

Ion Ratio Lower Upper

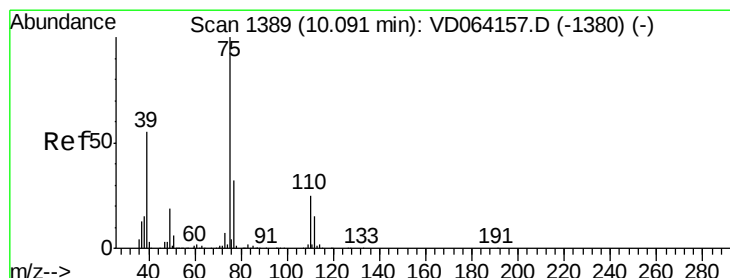
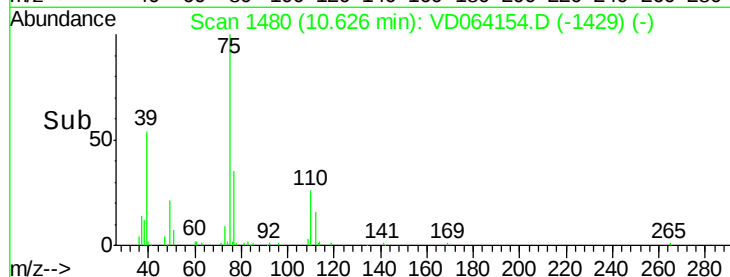
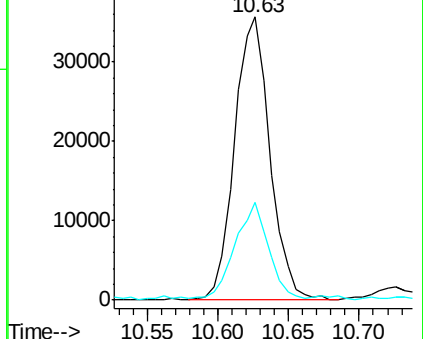
75 100

77 33.9 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 5.076 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

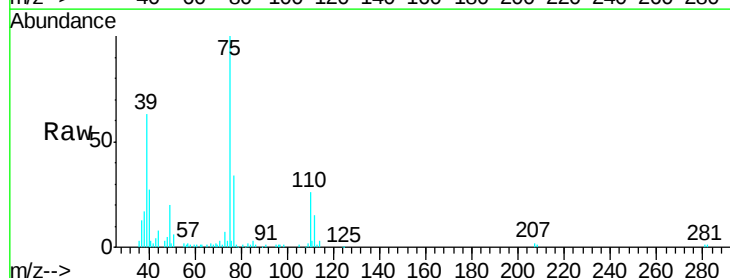
Tgt Ion: 75 Resp: 73144

Ion Ratio Lower Upper

75 100

77 33.2 25.2 37.8

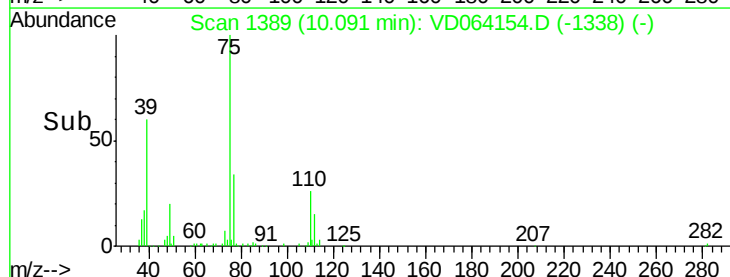
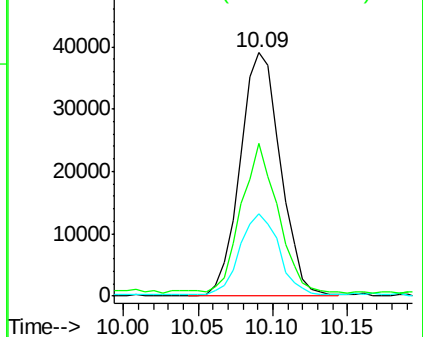
39 61.2 44.2 66.2

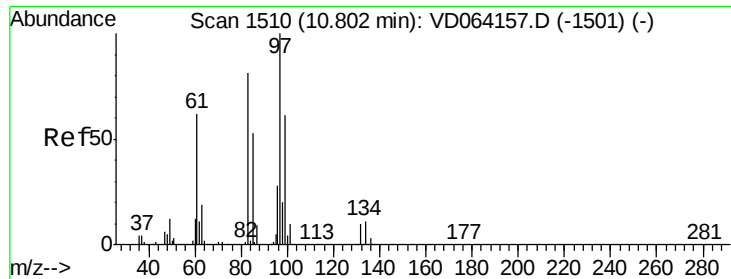


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

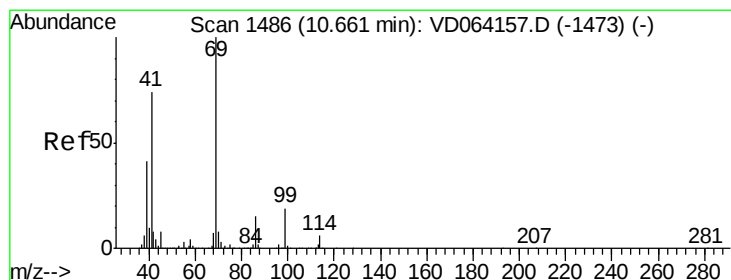
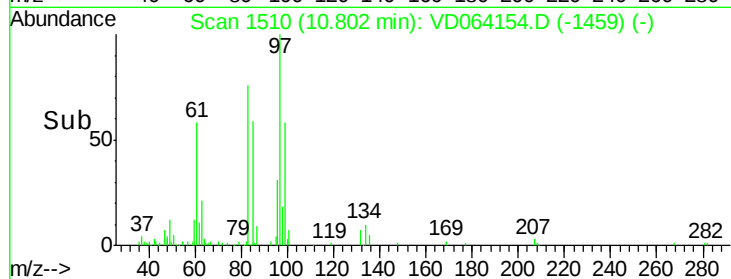
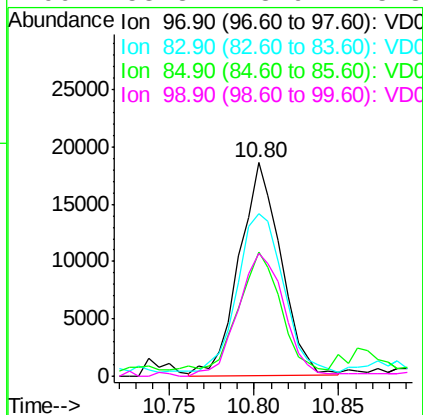
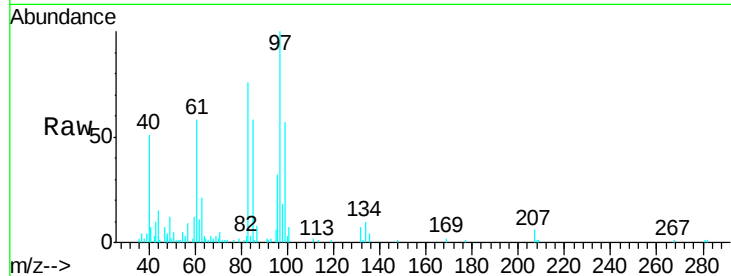




#55
 1,1,2-Trichloroethane
 Concen: 4.454 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

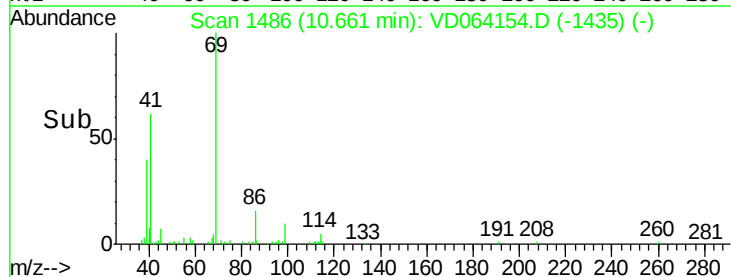
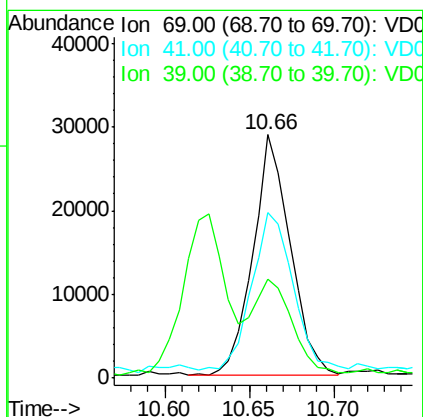
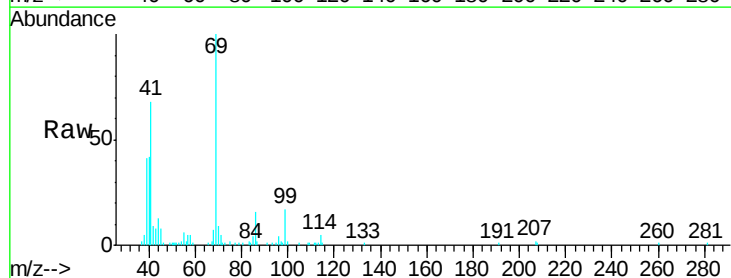
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

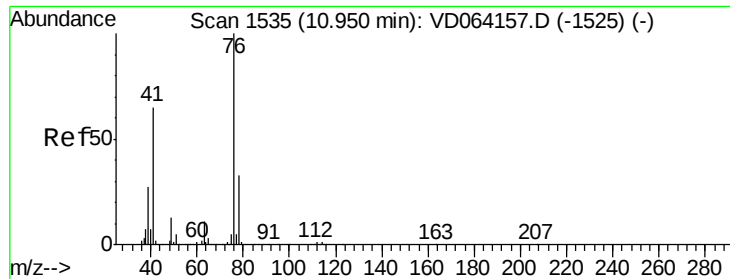
Tgt Ion:	97	Resp:	31915
Ion	Ratio	Lower	Upper
97	100		
83	75.1	65.1	97.7
85	54.0	42.0	63.0
99	58.3	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 5.436 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Tgt Ion:	69	Resp:	43896
Ion	Ratio	Lower	Upper
69	100		
41	74.5	57.9	86.9
39	41.4	29.0	43.4





#57

1,3-Dichloropropane

Concen: 4.479 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

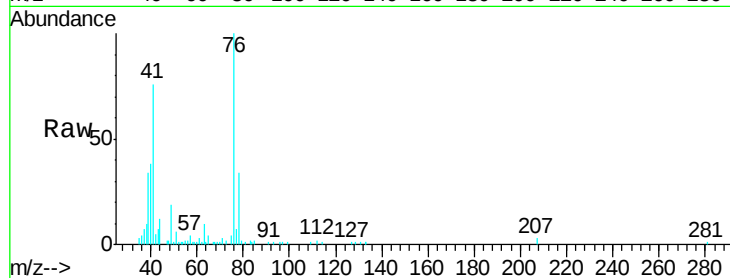
VSTDIC005

Tgt Ion: 76 Resp: 53543

Ion Ratio Lower Upper

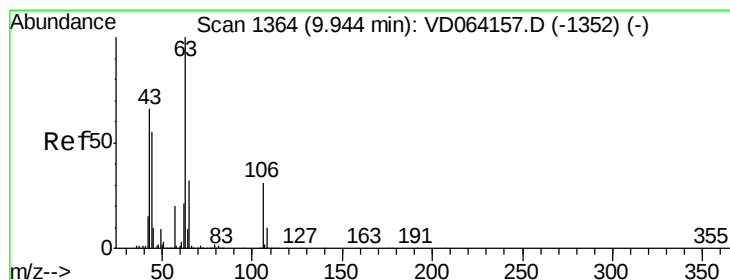
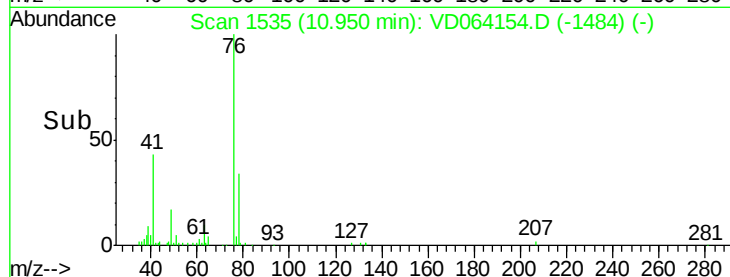
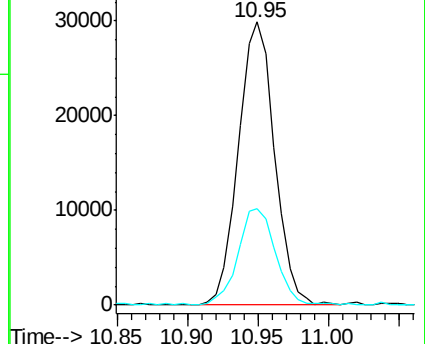
76 100

78 35.7 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 29.895 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064154.D

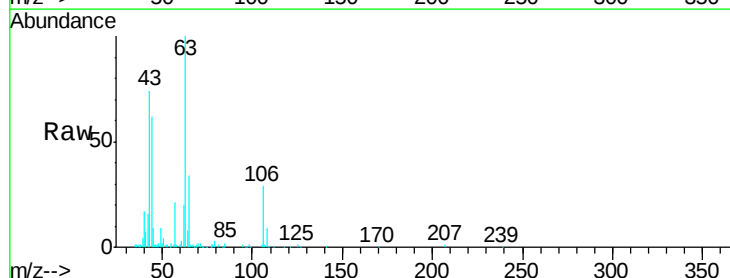
Acq: 08 Nov 2019 13:40

Tgt Ion: 63 Resp: 98579

Ion Ratio Lower Upper

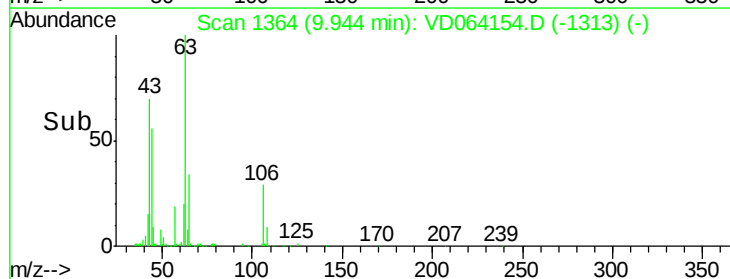
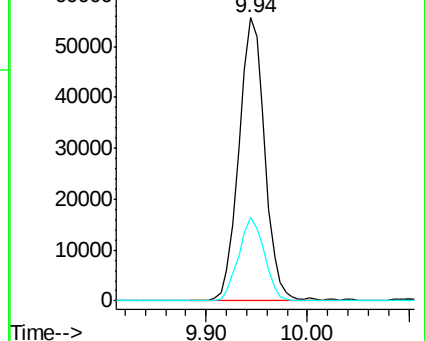
63 100

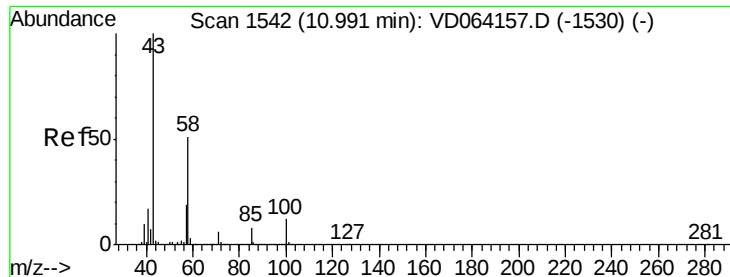
106 29.4 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

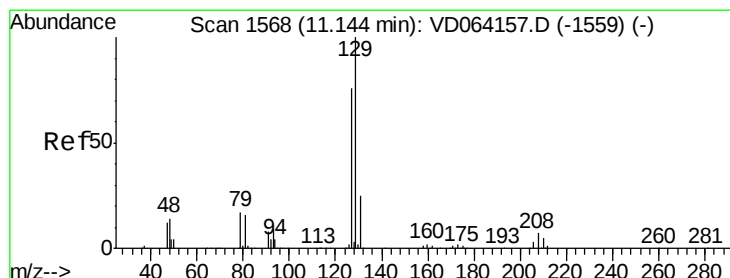
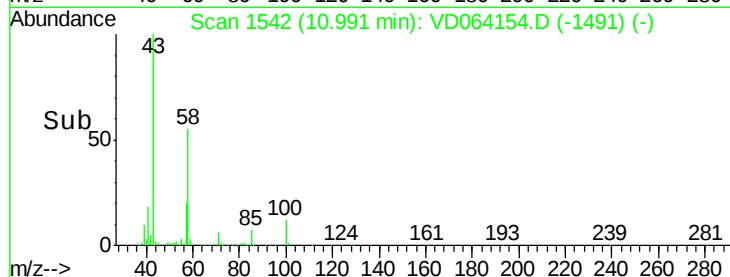
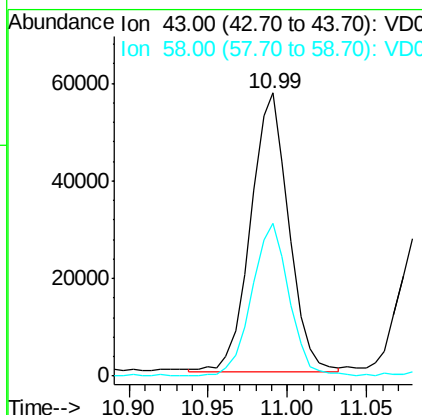
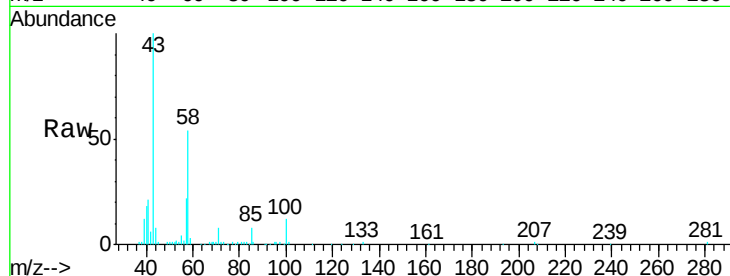




#59
2-Hexanone
Concen: 28.290 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

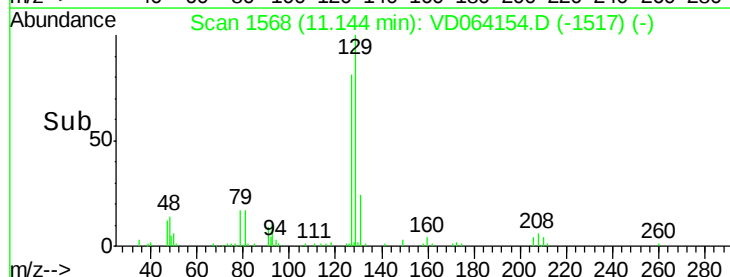
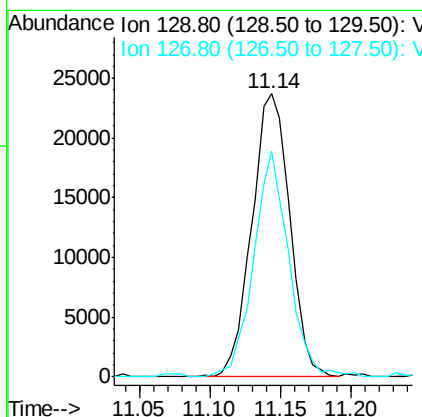
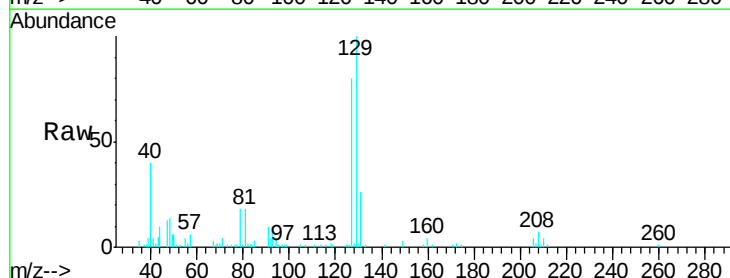
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 94940
Ion Ratio Lower Upper
43 100
58 54.5 25.9 77.7



#60
Dibromochloromethane
Concen: 4.595 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion: 129 Resp: 44790
Ion Ratio Lower Upper
129 100
127 73.9 38.6 115.8

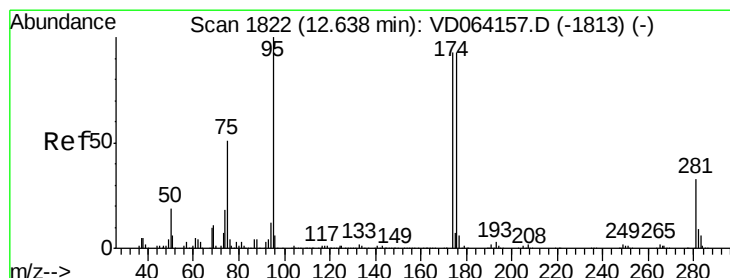
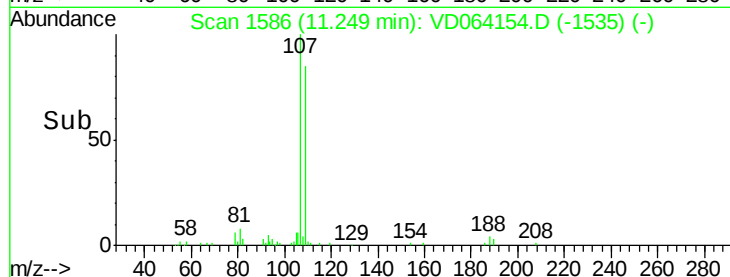
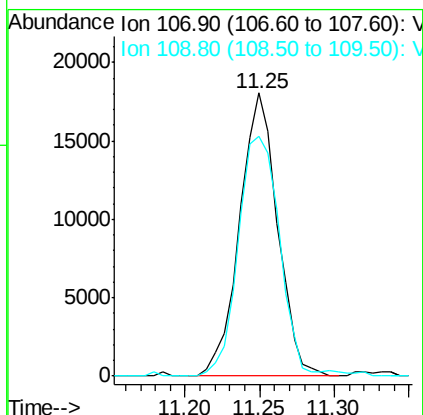
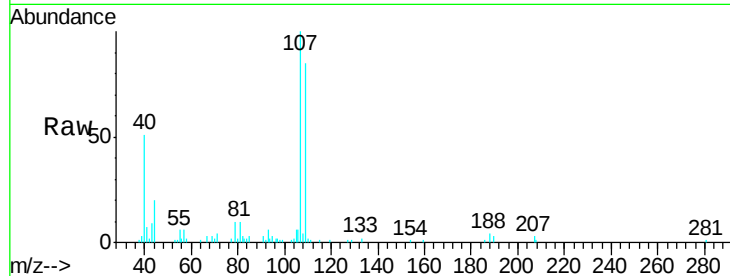




#61
 1,2-Dibromoethane
 Concen: 4.449 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

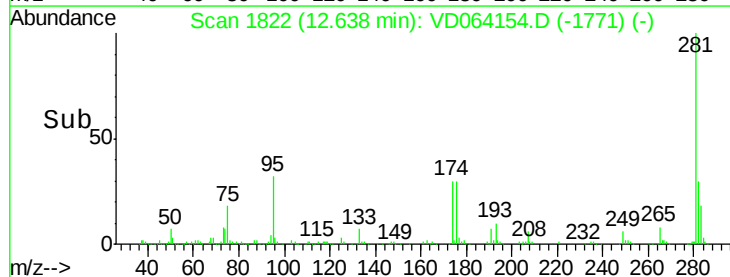
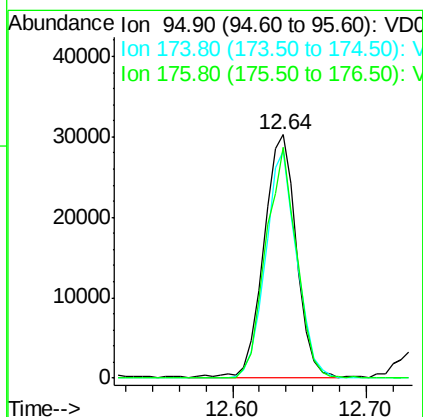
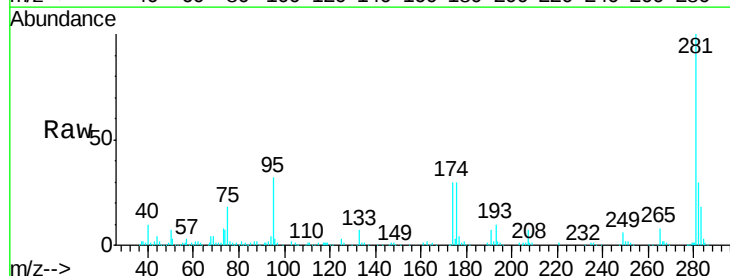
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

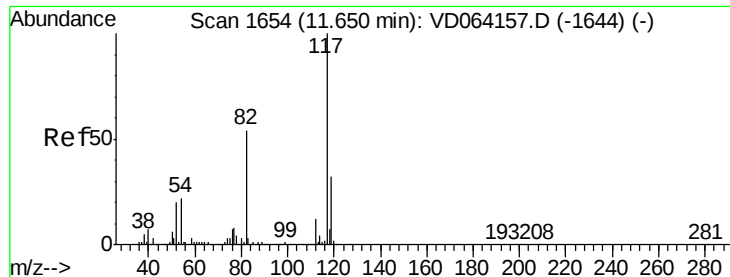
Tgt Ion: 107 Resp: 31781
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 4.388 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Tgt Ion: 95 Resp: 51398
 Ion Ratio Lower Upper
 95 100
 174 89.1 0.0 183.6
 176 89.1 0.0 180.2

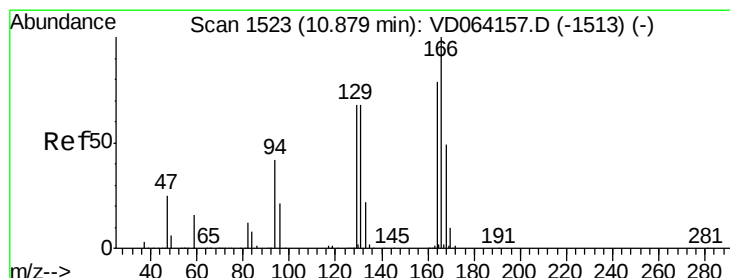
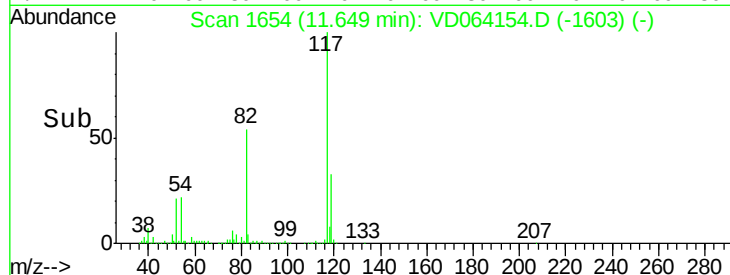
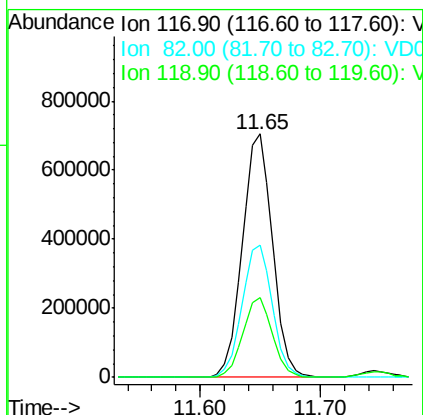
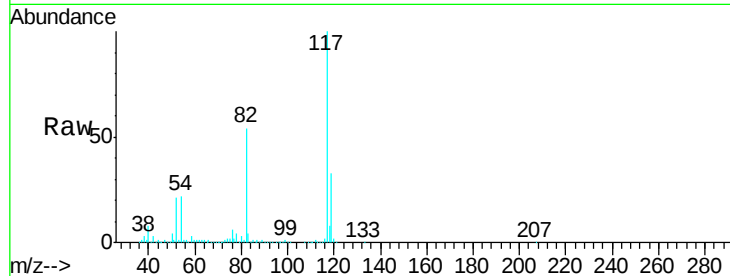




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

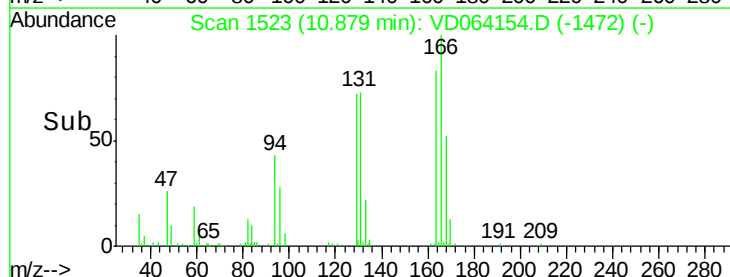
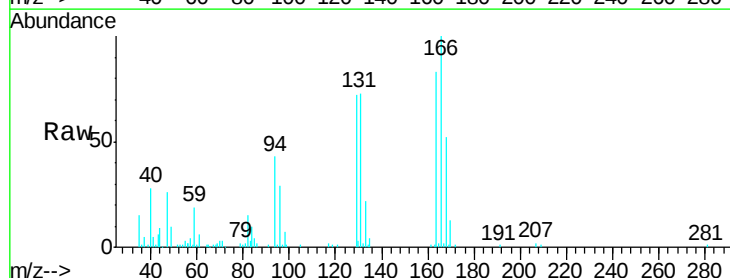
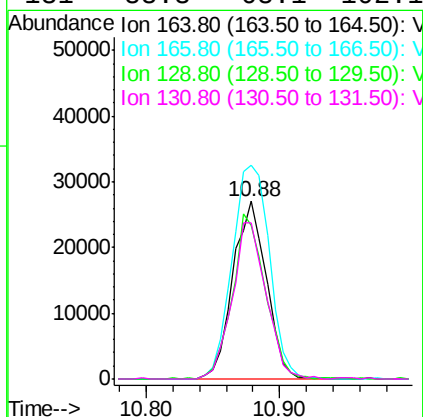
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion:117 Resp: 1228880
Ion Ratio Lower Upper
117 100
82 54.4 42.8 64.2
119 32.9 25.6 38.4



#64
Tetrachloroethene
Concen: 5.235 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion:164 Resp: 47066
Ion Ratio Lower Upper
164 100
166 120.4 100.8 151.2
129 85.6 68.7 103.1
131 88.3 68.1 102.1





#65

Chlorobenzene

Concen: 4.989 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

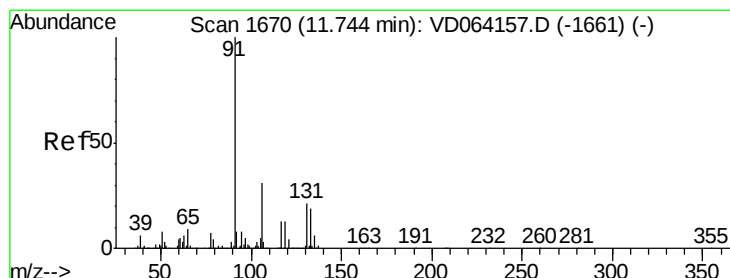
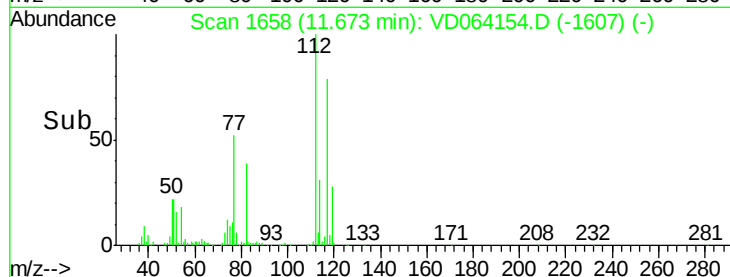
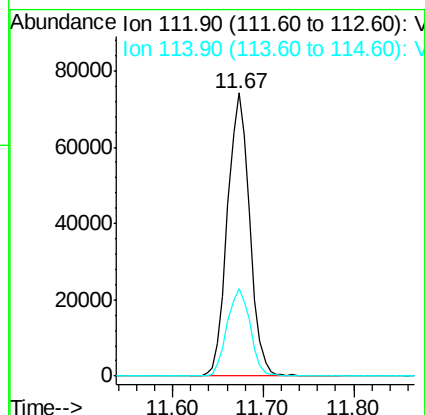
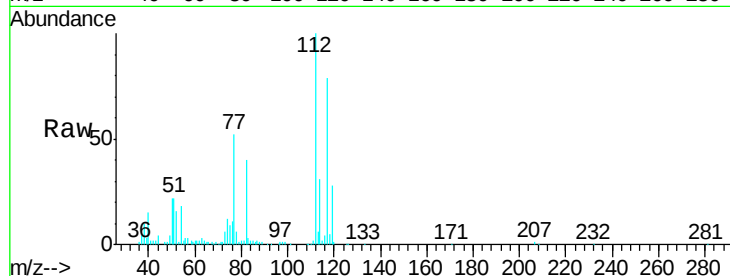
VSTDIC005

Tgt Ion:112 Resp: 126638

Ion Ratio Lower Upper

112 100

114 30.9 25.2 37.8



#66

1,1,1,2-Tetrachloroethane

Concen: 4.960 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

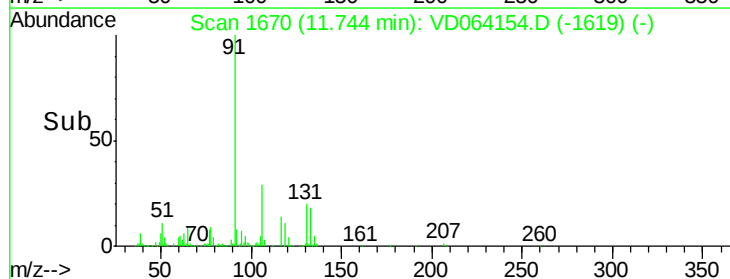
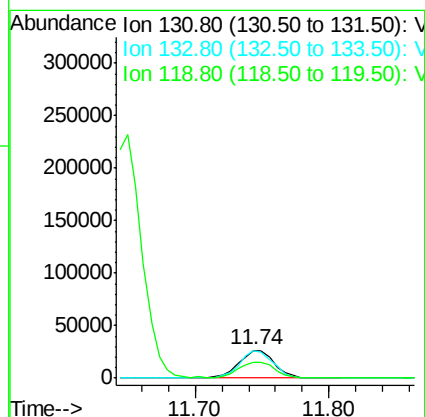
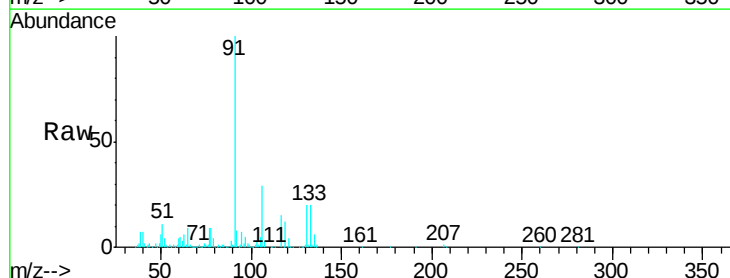
Tgt Ion:131 Resp: 47293

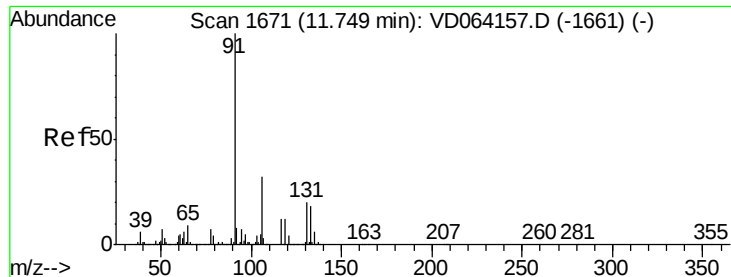
Ion Ratio Lower Upper

131 100

133 96.9 47.3 141.9

119 63.0 31.1 93.3





#67

Ethyl Benzene

Concen: 5.084 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

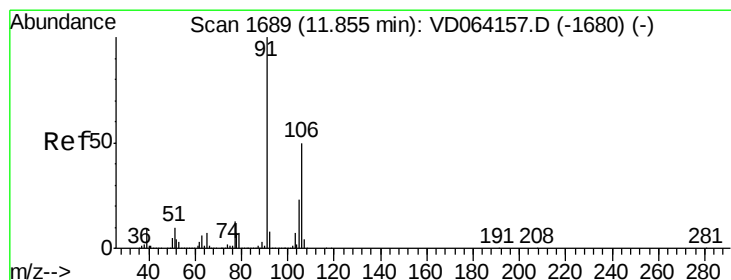
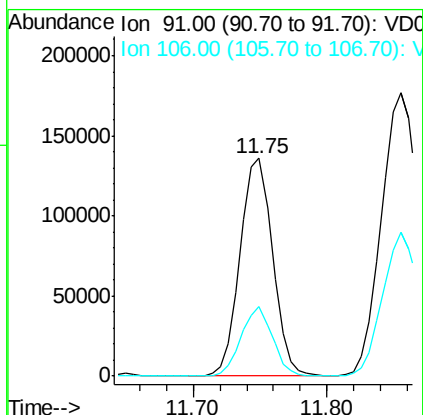
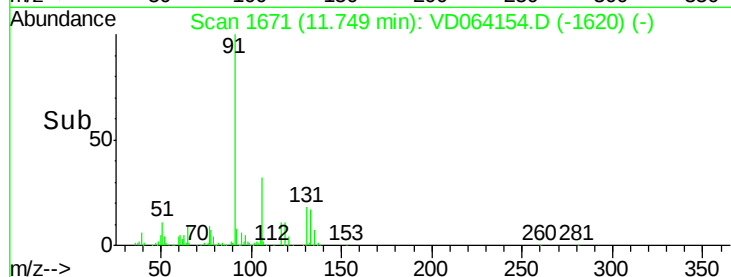
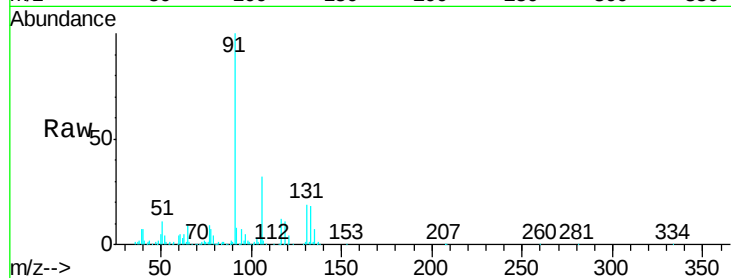
VSTDIC005

Tgt Ion: 91 Resp: 230230

Ion Ratio Lower Upper

91 100

106 32.0 25.5 38.3



#68

m/p-Xylenes

Concen: 9.528 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064154.D

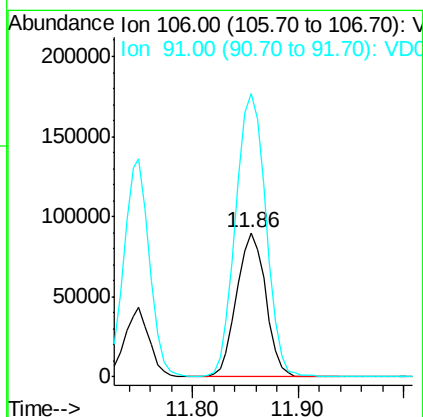
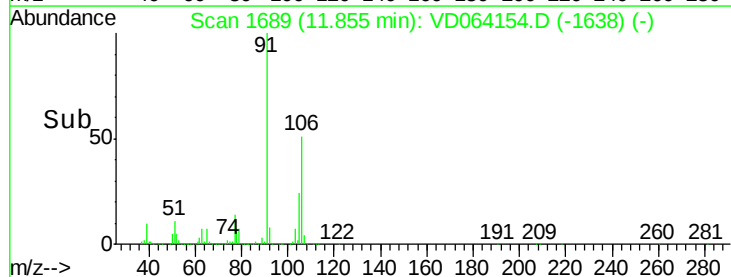
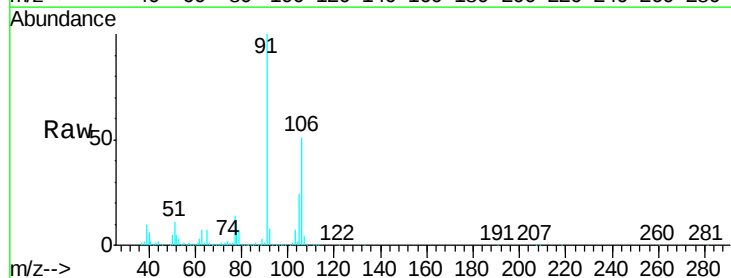
Acq: 08 Nov 2019 13:40

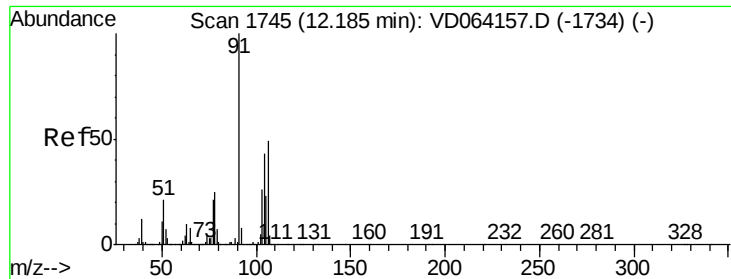
Tgt Ion: 106 Resp: 171991

Ion Ratio Lower Upper

106 100

91 204.2 160.3 240.5

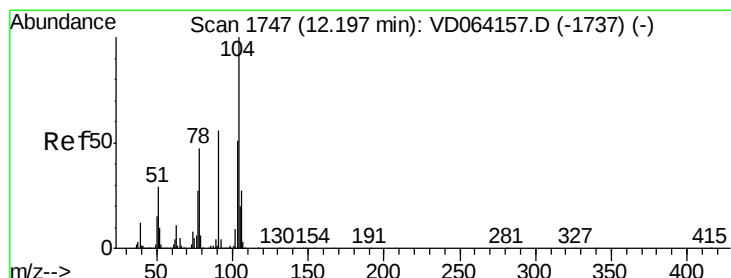
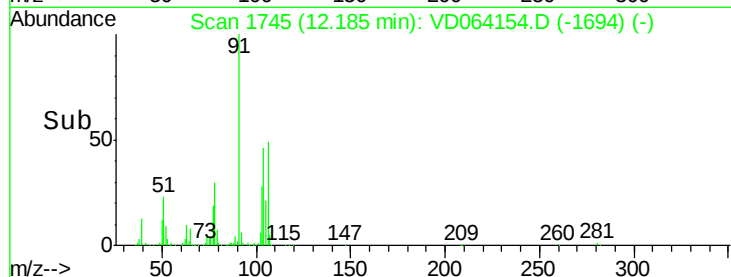
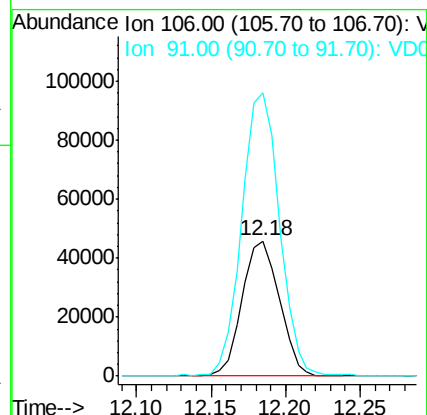
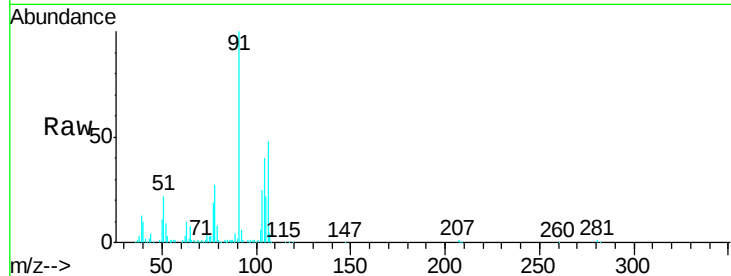




#69
o-Xylene
Concen: 4.833 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

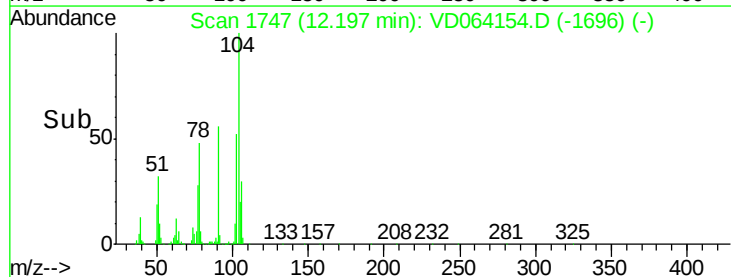
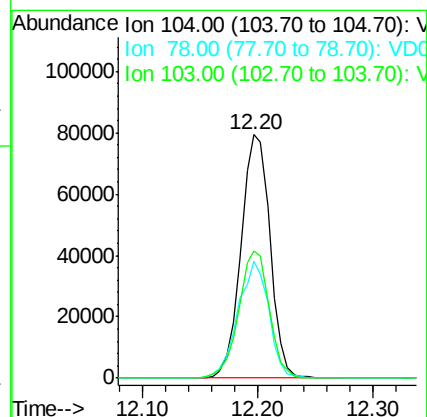
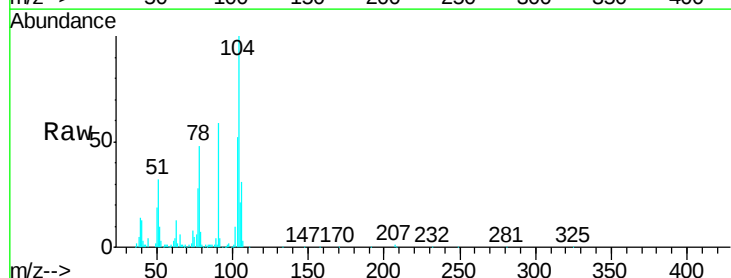
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

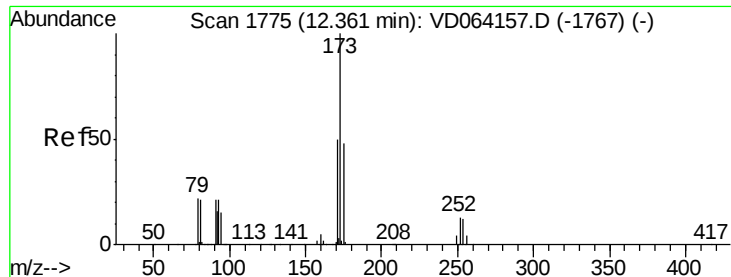
Tgt Ion:106 Resp: 79743
Ion Ratio Lower Upper
106 100
91 212.5 105.1 315.3



#70
Styrene
Concen: 4.864 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion:104 Resp: 138083
Ion Ratio Lower Upper
104 100
78 51.1 39.9 59.9
103 55.0 43.4 65.0





#71

Bromoform

Concen: 4.992 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

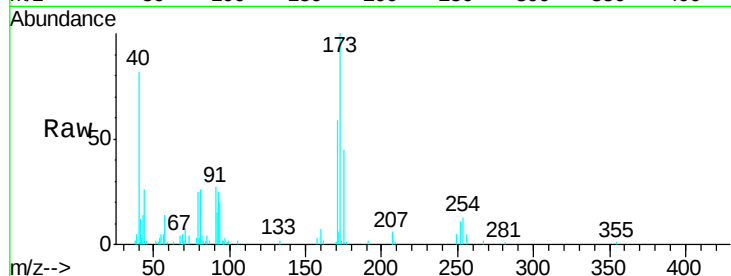
Tgt Ion:173 Resp: 25721

Ion Ratio Lower Upper

173 100

175 47.9 24.1 72.3

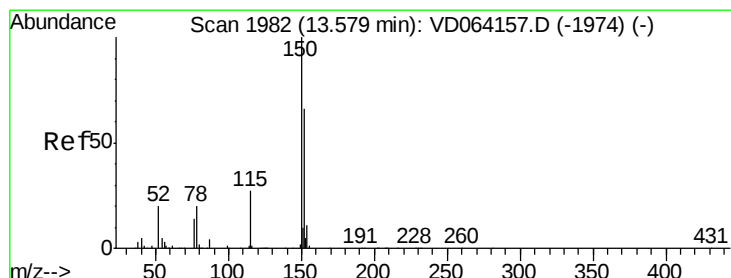
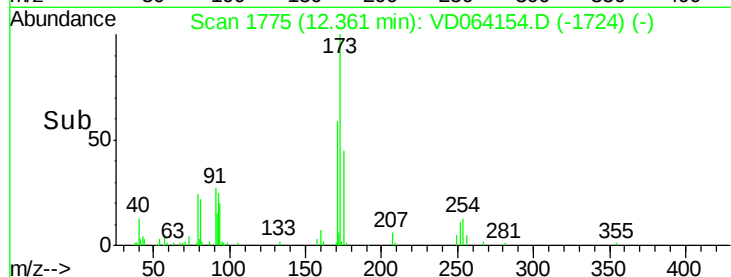
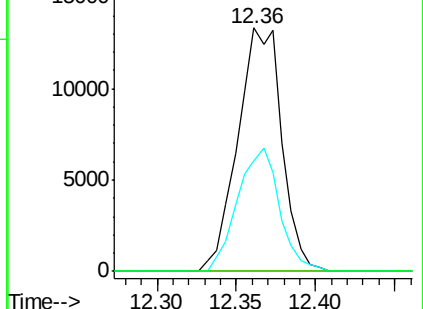
254 0.0 0.2 0.2#



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: VD064154.D

Acq: 08 Nov 2019 13:40

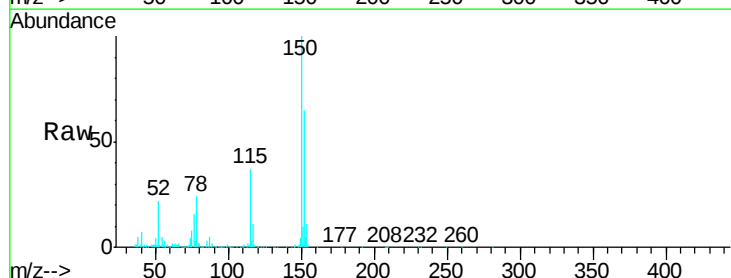
Tgt Ion:152 Resp: 584101

Ion Ratio Lower Upper

152 100

115 56.4 27.4 82.2

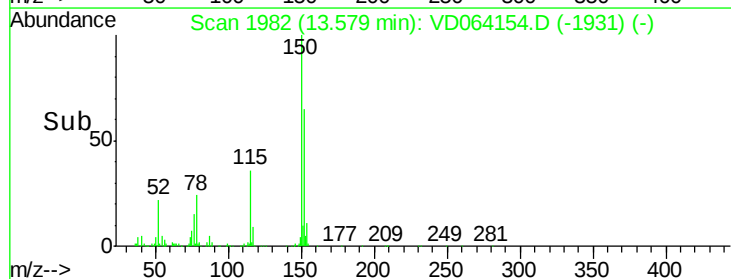
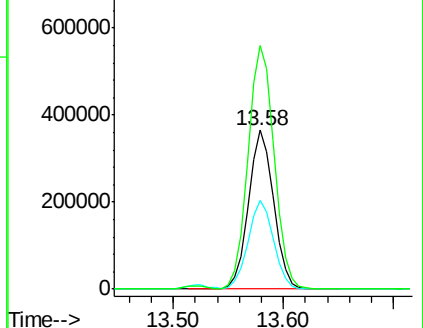
150 159.4 0.0 351.6

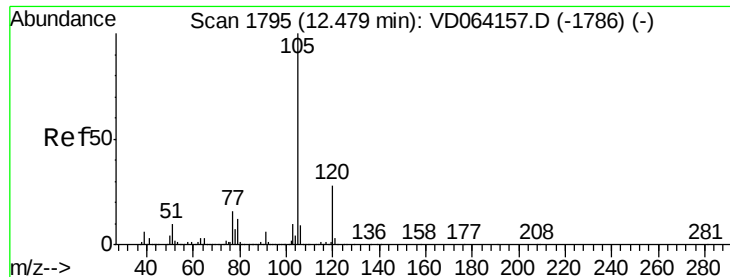


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.354 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

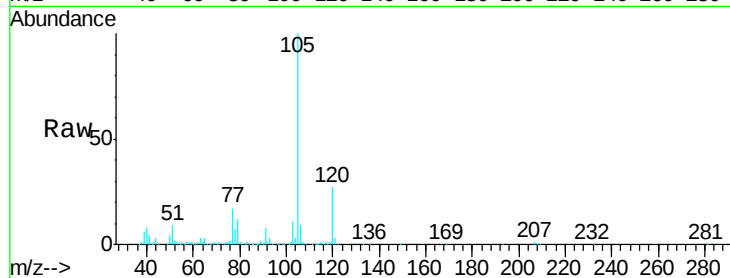
VSTDIC005

Tgt Ion: 105 Resp: 221267

Ion Ratio Lower Upper

105 100

120 26.7 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

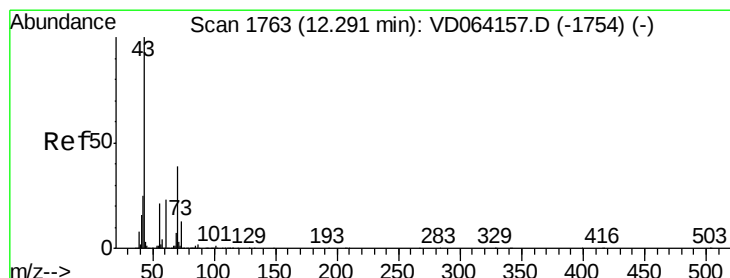
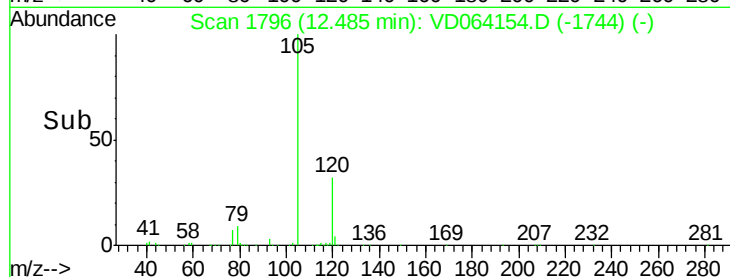
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 7.010 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Tgt Ion: 43 Resp: 51316

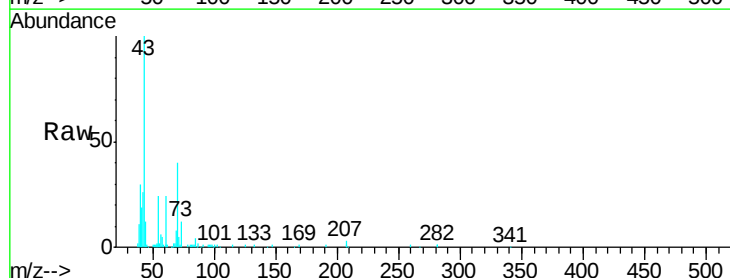
Ion Ratio Lower Upper

43 100

70 40.0 32.4 48.6

55 22.8 17.9 26.9

61 23.4 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

12.29

50000

40000

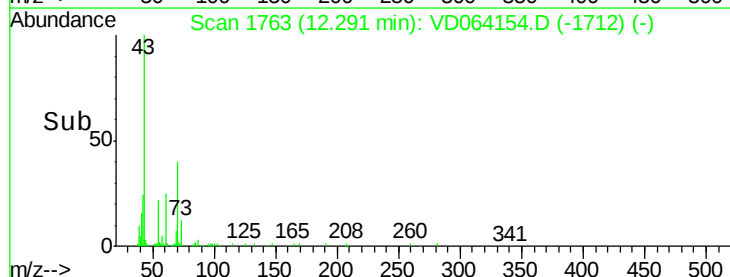
30000

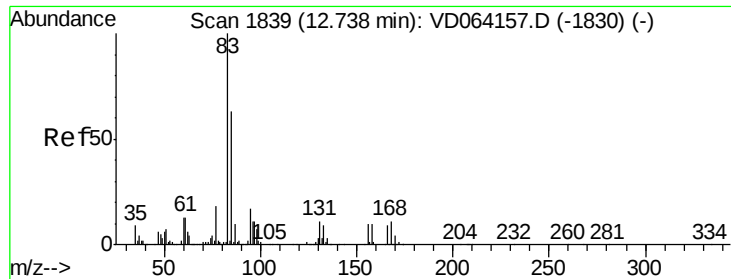
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 4.923 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

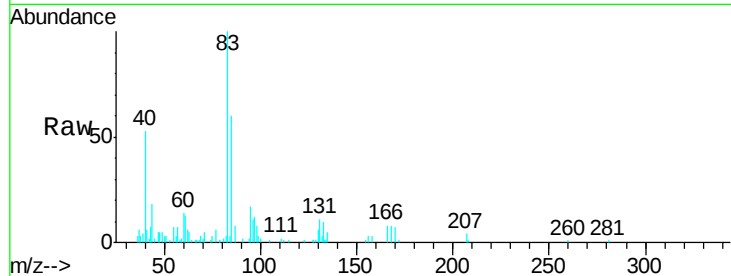
Tgt Ion: 83 Resp: 31890

Ion Ratio Lower Upper

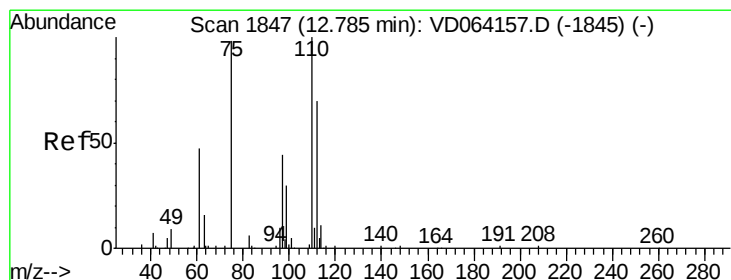
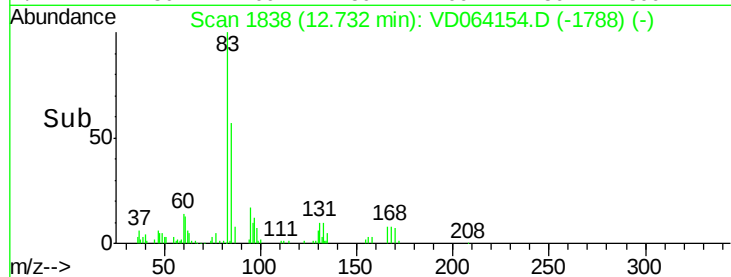
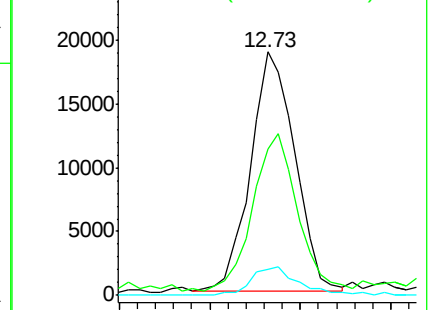
83 100

131 12.9 5.9 17.7

85 65.7 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: 11.003 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD064154.D

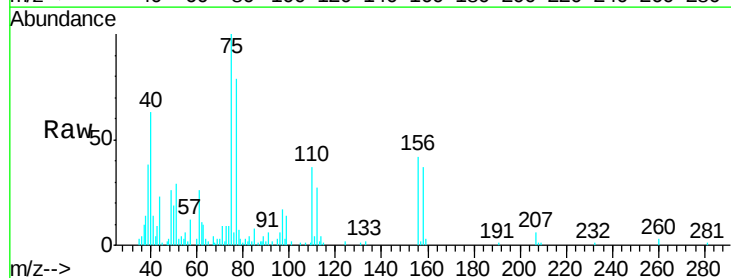
Acq: 08 Nov 2019 13:40

Tgt Ion: 75 Resp: 44550

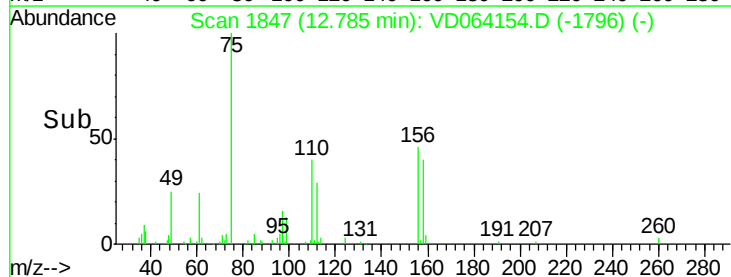
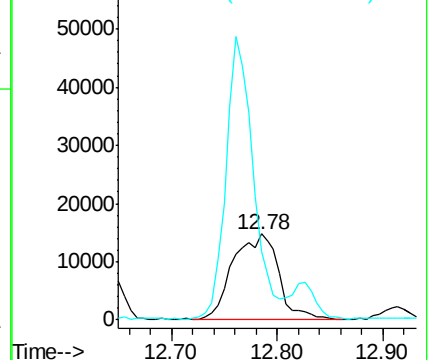
Ion Ratio Lower Upper

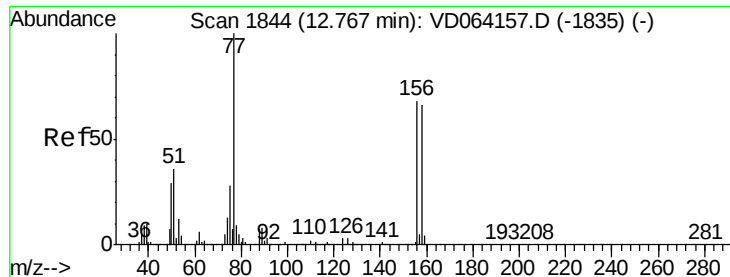
75 100

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: 5.255 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

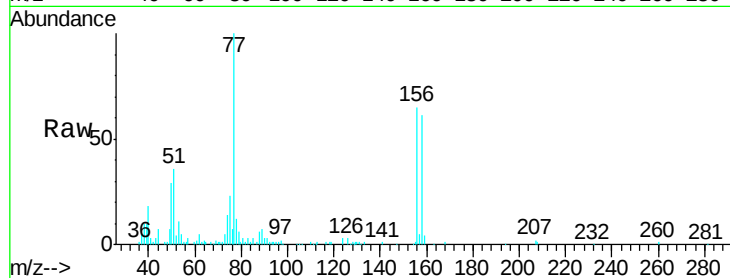
Tgt Ion:156 Resp: 52618

Ion Ratio Lower Upper

156 100

77 166.6 81.2 243.4

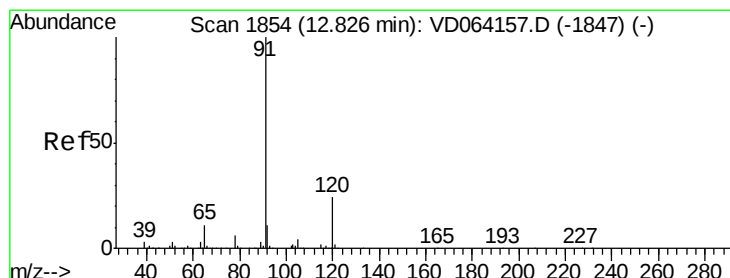
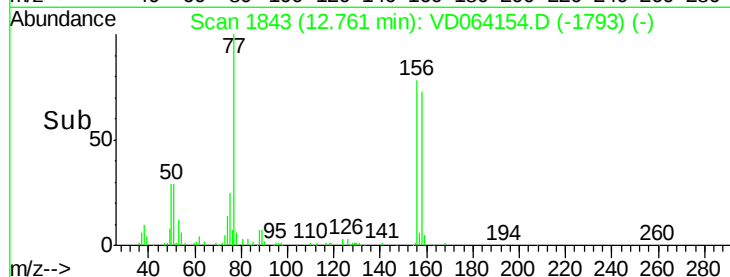
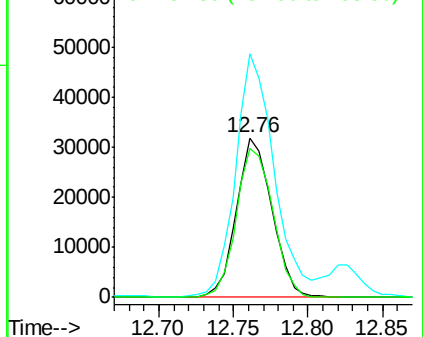
158 96.8 48.4 145.2



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: 5.307 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064154.D

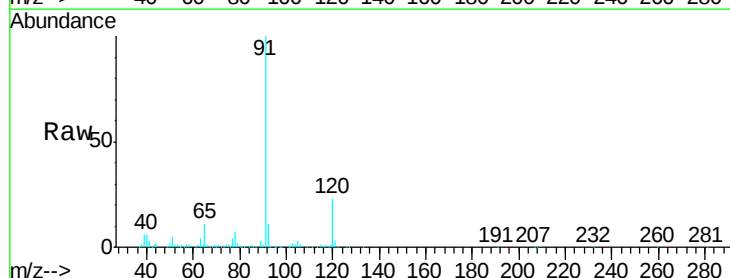
Acq: 08 Nov 2019 13:40

Tgt Ion: 91 Resp: 256013

Ion Ratio Lower Upper

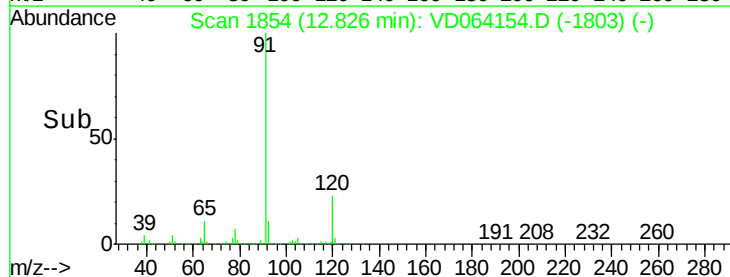
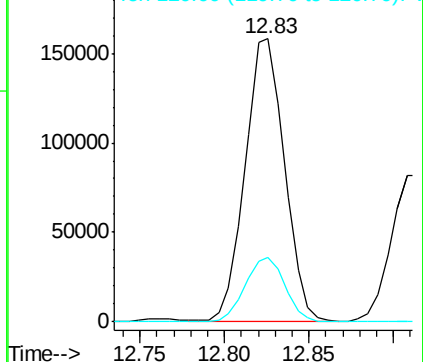
91 100

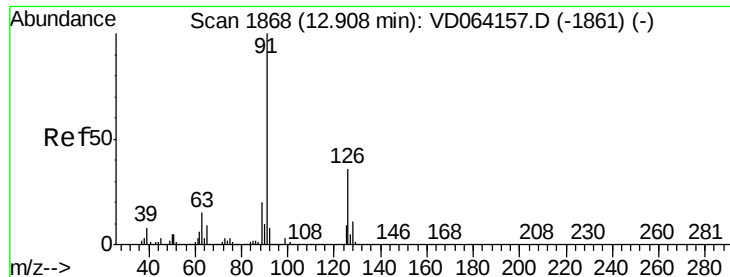
120 23.1 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.453 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

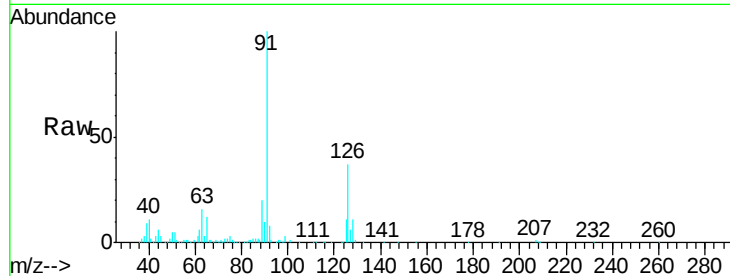
VSTDIC005

Tgt Ion: 91 Resp: 142494

Ion Ratio Lower Upper

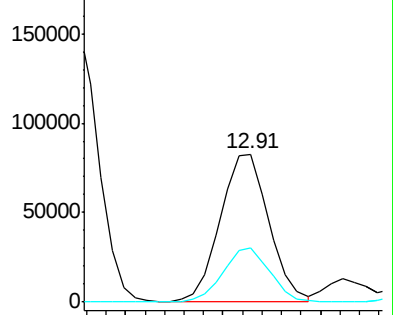
91 100

126 35.5 17.7 53.1

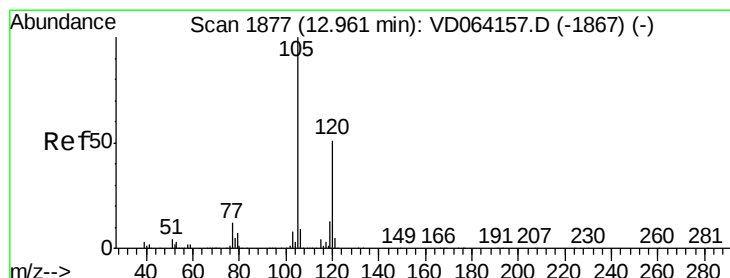
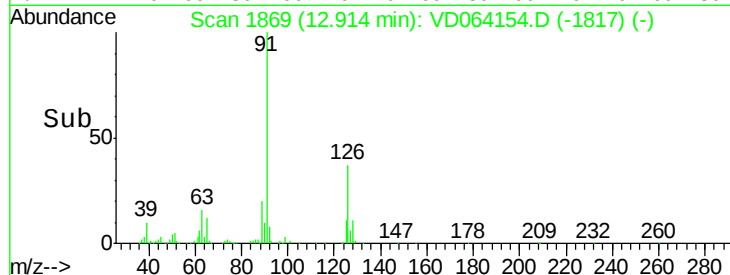


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 5.275 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD064154.D

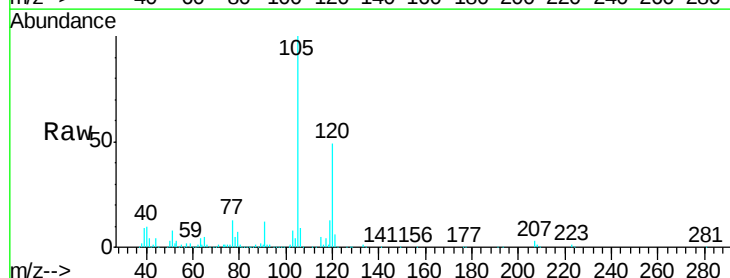
Acq: 08 Nov 2019 13:40

Tgt Ion: 105 Resp: 181257

Ion Ratio Lower Upper

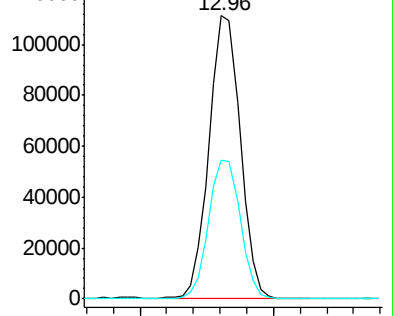
105 100

120 49.6 25.4 76.4

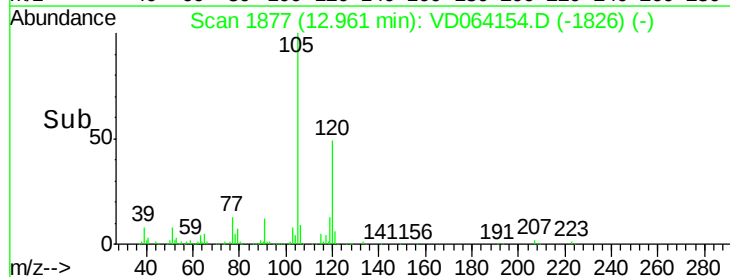


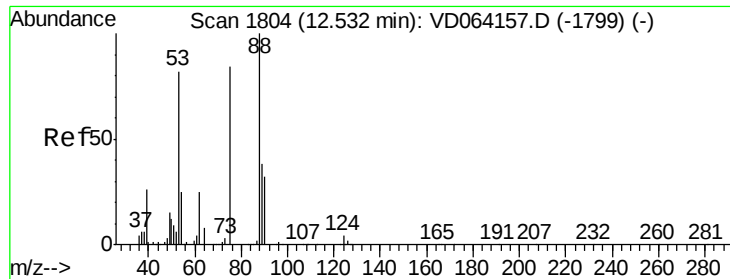
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 5.691 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

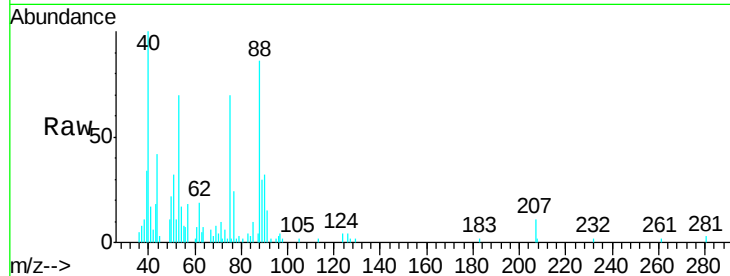
Tgt Ion: 75 Resp: 11419

Ion Ratio Lower Upper

75 100

53 106.5 79.4 119.0

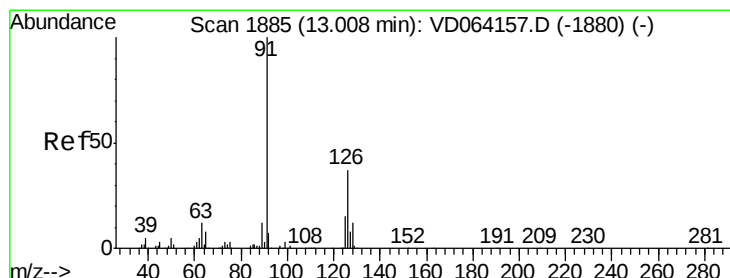
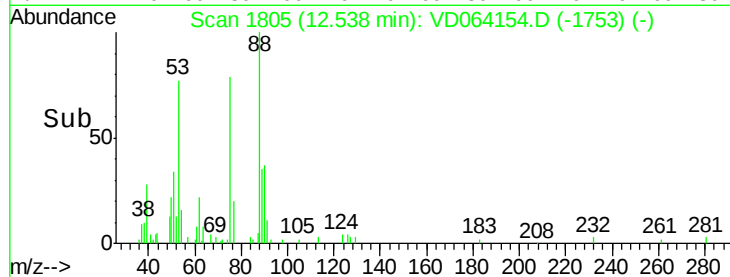
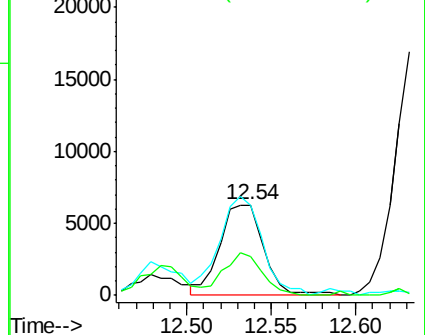
89 40.6 36.6 55.0



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: 5.330 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD064154.D

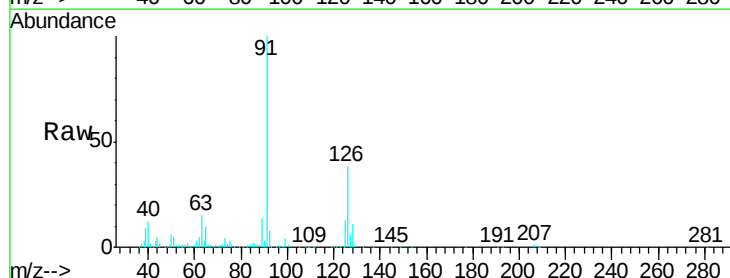
Acq: 08 Nov 2019 13:40

Tgt Ion: 91 Resp: 147676

Ion Ratio Lower Upper

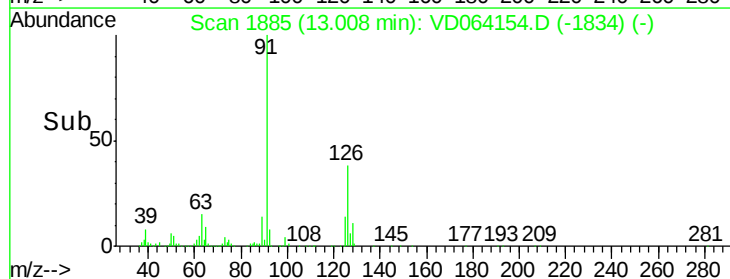
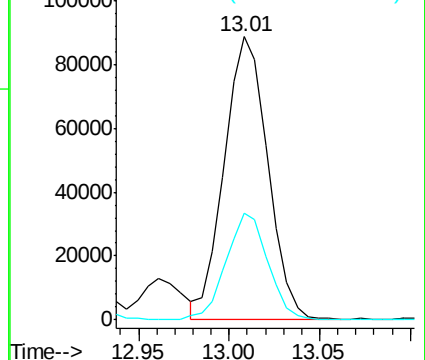
91 100

126 36.4 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): VDC

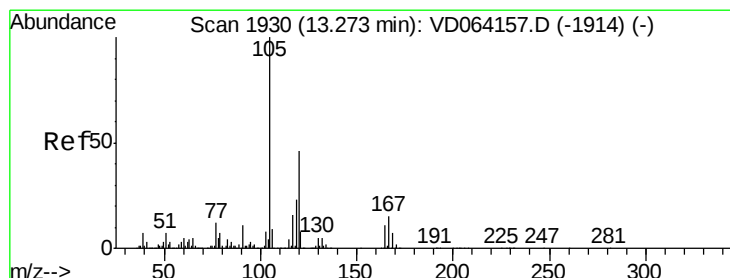
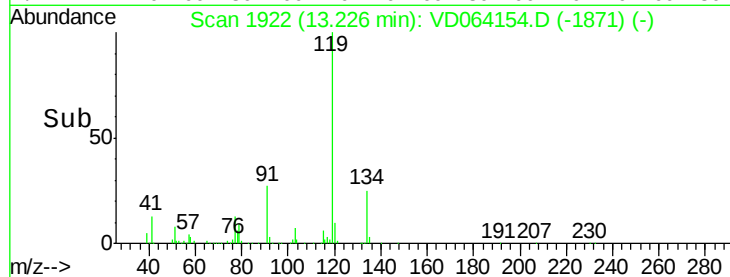
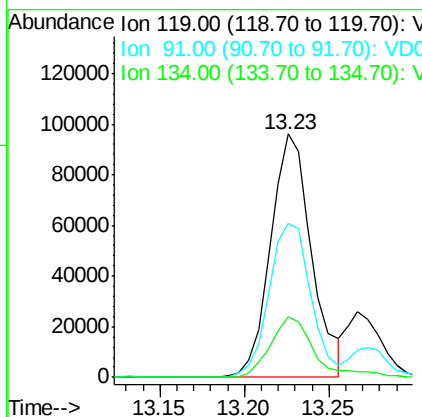
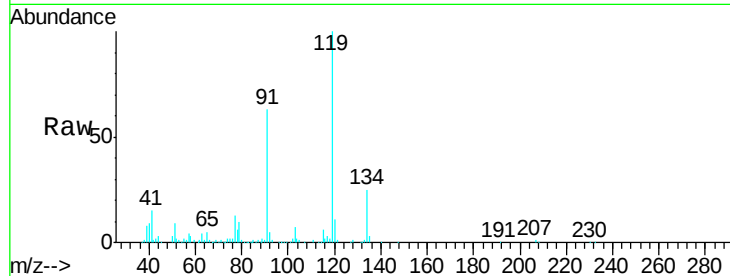




#83
 tert-Butylbenzene
 Concen: 5.267 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

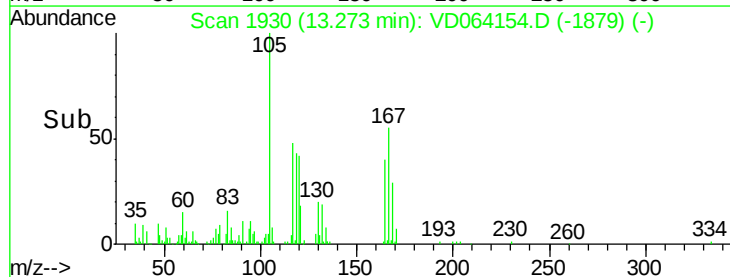
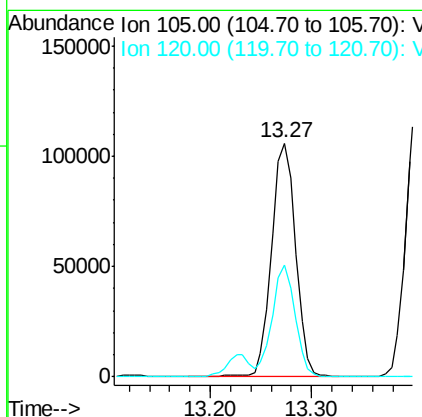
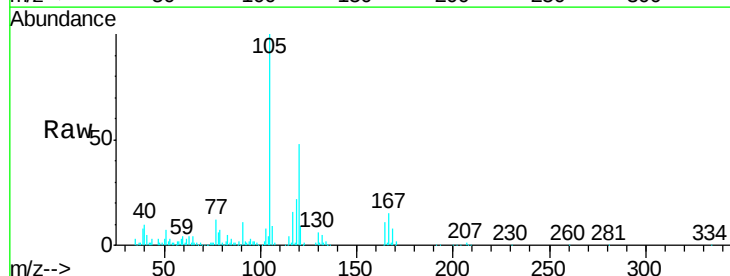
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

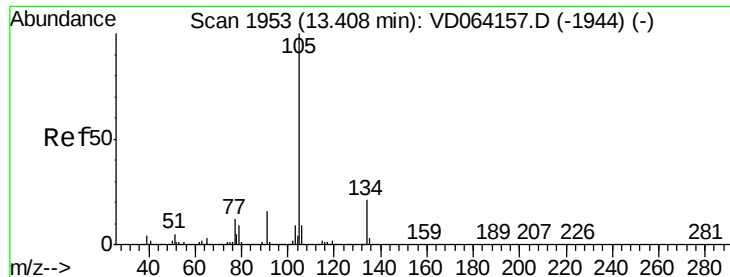
Tgt Ion:119 Resp: 162147
 Ion Ratio Lower Upper
 119 100
 91 63.8 31.8 95.4
 134 26.5 13.7 41.0



#84
 1,2,4-Trimethylbenzene
 Concen: 5.120 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Tgt Ion:105 Resp: 176316
 Ion Ratio Lower Upper
 105 100
 120 45.4 23.3 69.8





#85

sec-Butylbenzene

Concen: 5.114 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

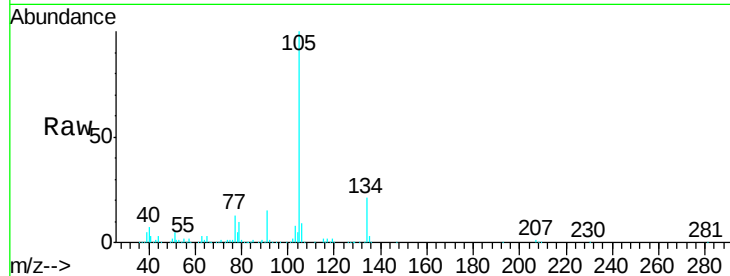
VSTDIC005

Tgt Ion:105 Resp: 214755

Ion Ratio Lower Upper

105 100

134 21.0 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

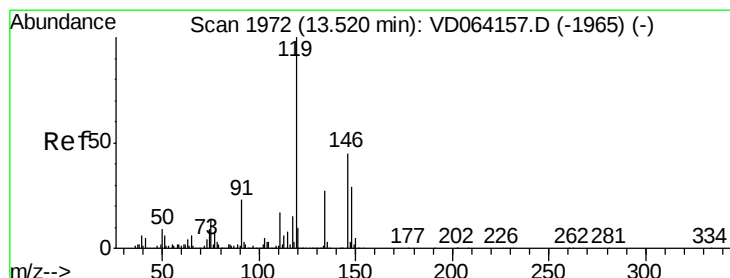
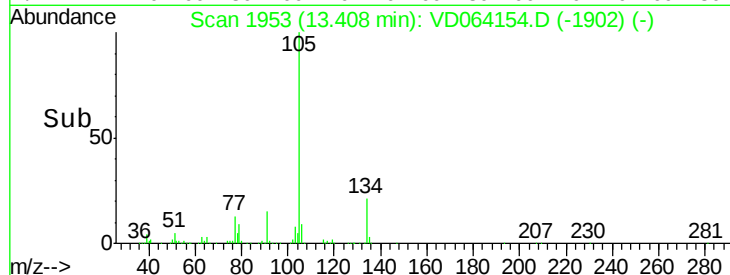
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 5.159 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

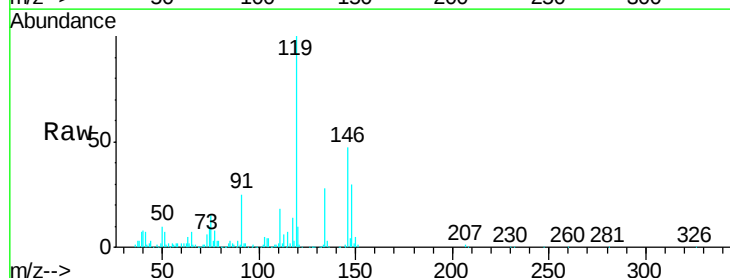
Tgt Ion:119 Resp: 203417

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.5

91 24.0 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

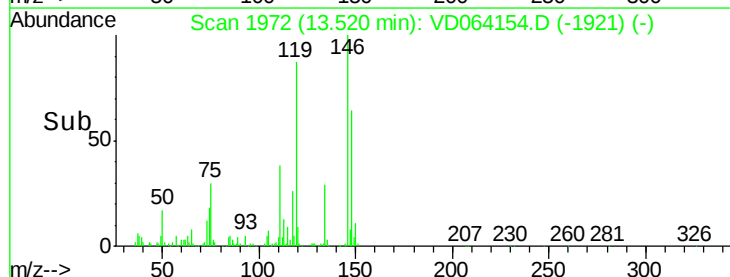
150000

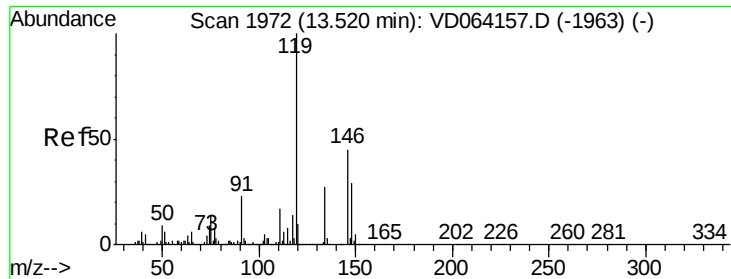
100000

50000

0

Time-->

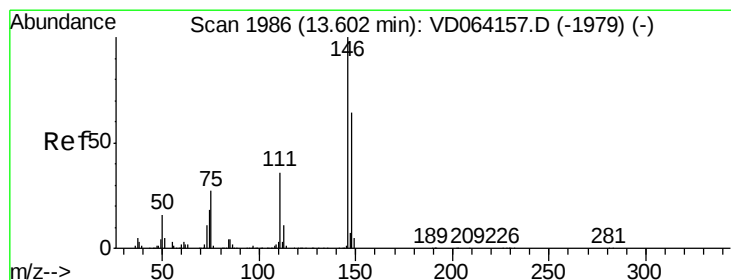
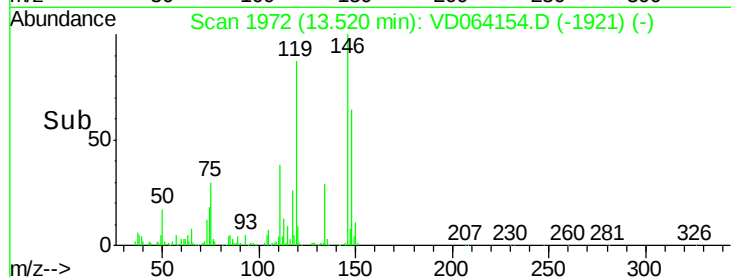
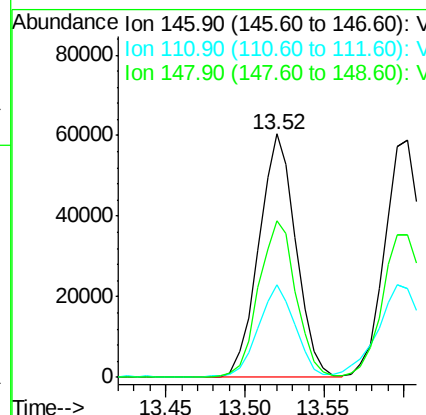
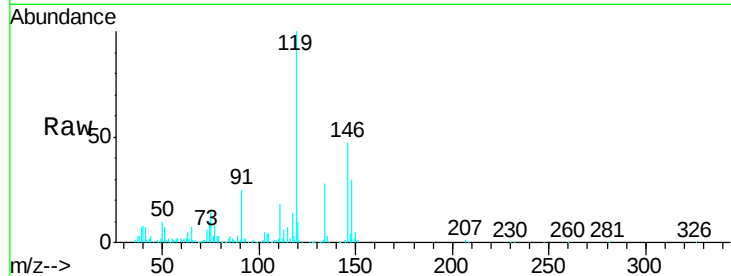




#87
 1,3-Dichlorobenzene
 Concen: 4.986 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

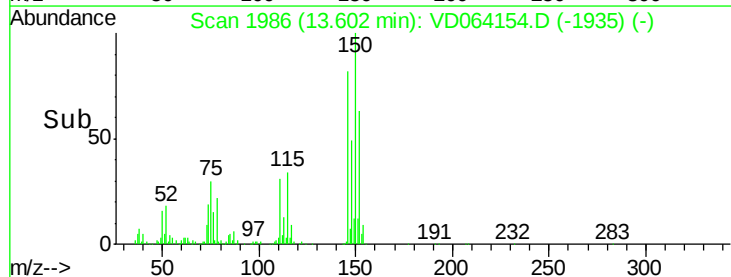
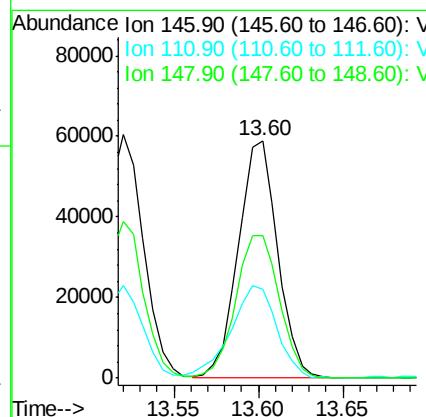
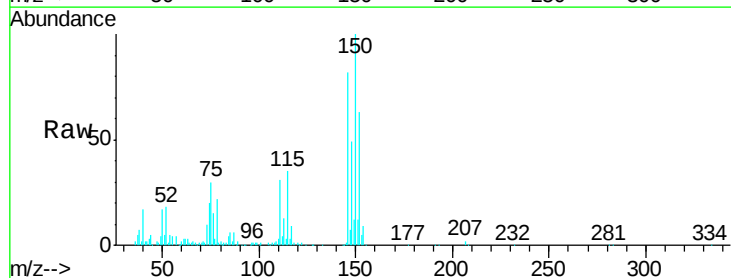
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion:146 Resp: 98061
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.9 56.9
 148 64.8 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 4.916 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Tgt Ion:146 Resp: 95840
 Ion Ratio Lower Upper
 146 100
 111 45.4 18.1 54.4
 148 66.5 31.9 95.7

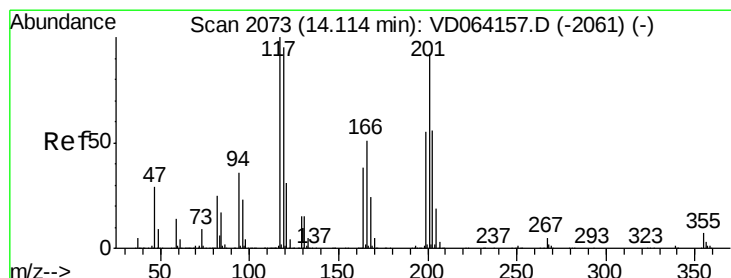
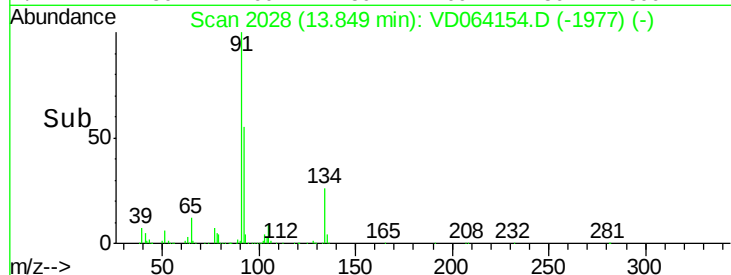
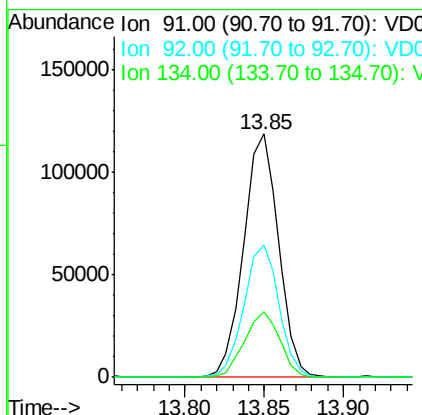
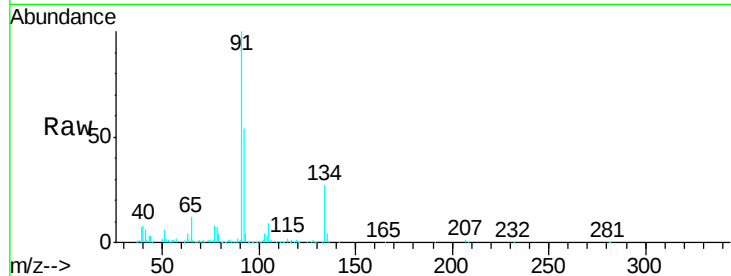




#89
n-Butylbenzene
Concen: 4.989 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

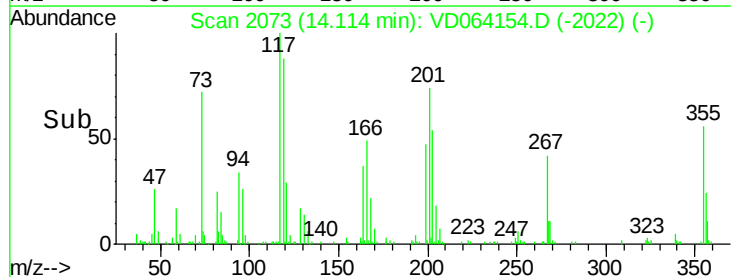
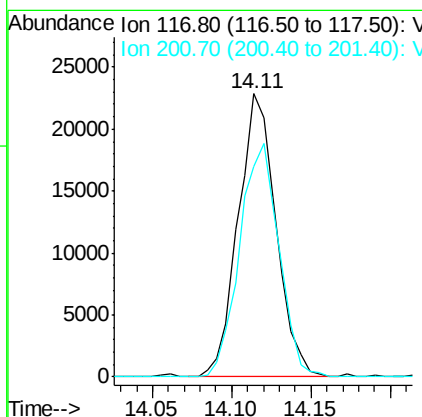
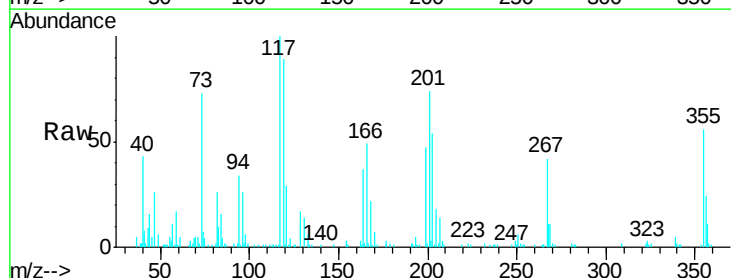
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

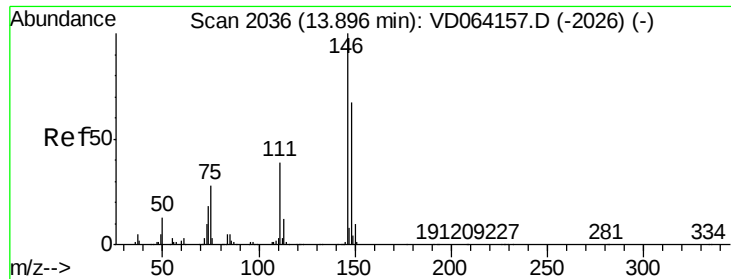
Tgt Ion: 91 Resp: 181021
Ion Ratio Lower Upper
91 100
92 55.1 27.3 81.8
134 27.6 14.1 42.4



#90
Hexachloroethane
Concen: 5.102 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD064154.D
Acq: 08 Nov 2019 13:40

Tgt Ion: 117 Resp: 37842
Ion Ratio Lower Upper
117 100
201 85.7 45.8 137.4

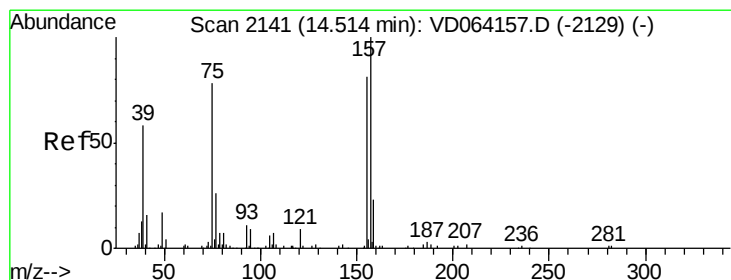
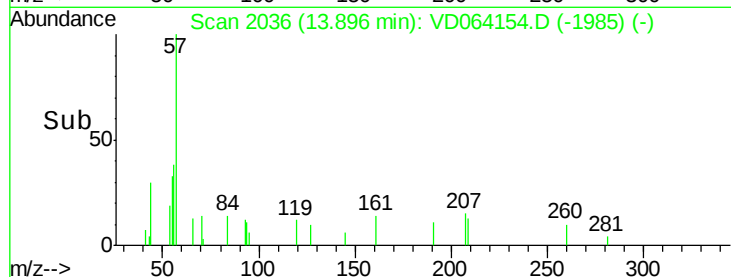
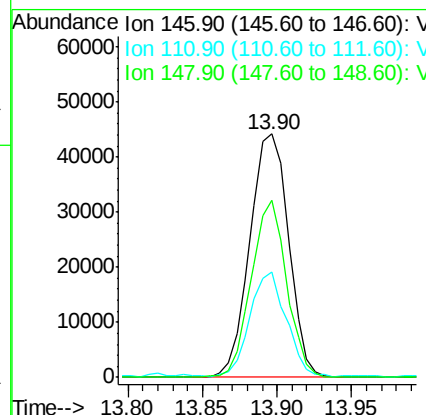
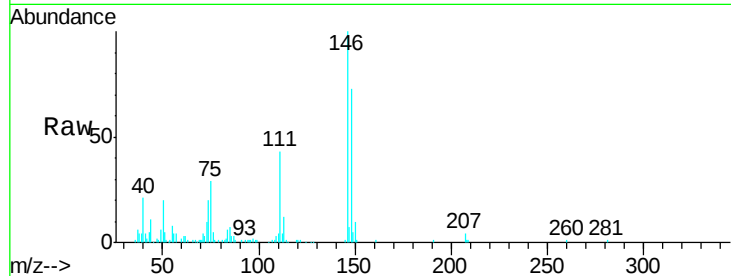




#91
 1,2-Dichlorobenzene
 Concen: 4.682 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

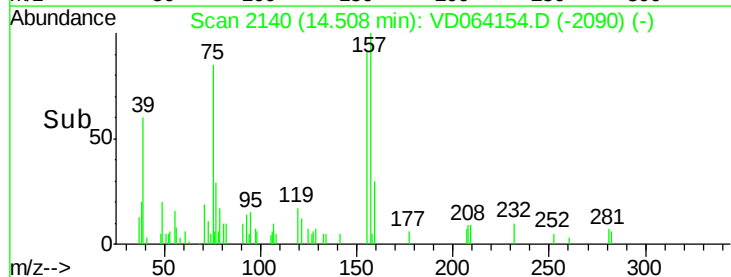
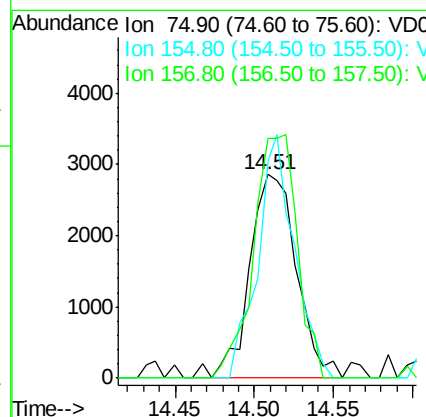
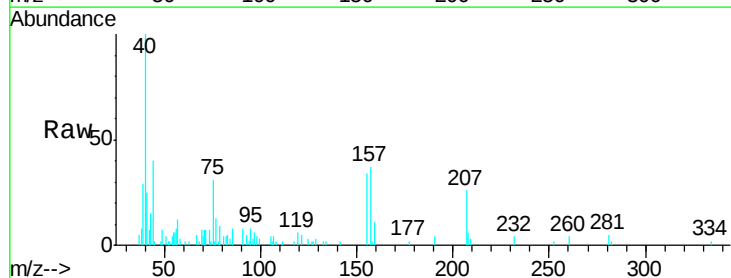
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

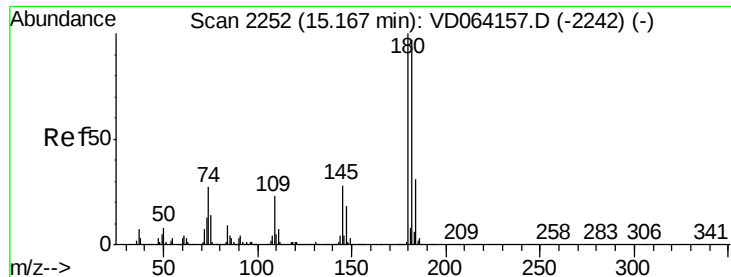
Tgt Ion: 146 Resp: 79296
 Ion Ratio Lower Upper
 146 100
 111 41.7 19.7 59.0
 148 66.3 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.042 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Tgt Ion: 75 Resp: 5911
 Ion Ratio Lower Upper
 75 100
 155 92.9 48.0 144.0
 157 110.9 61.5 184.4

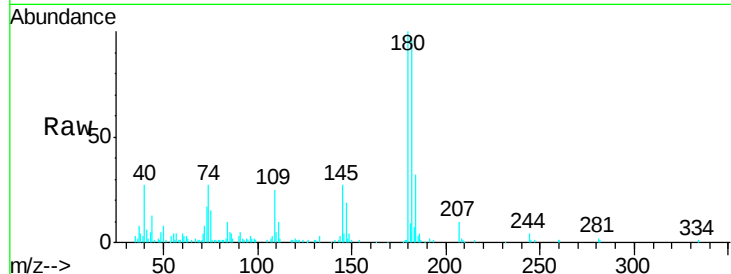




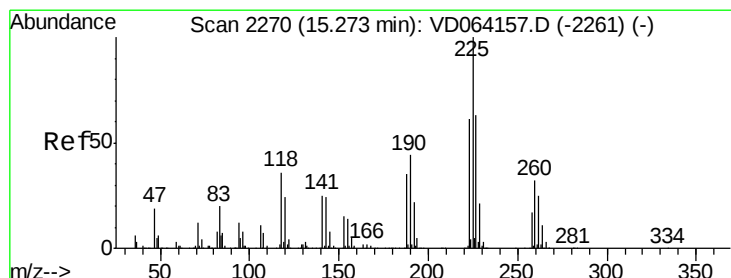
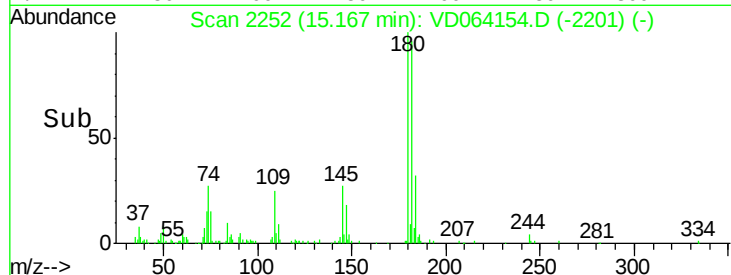
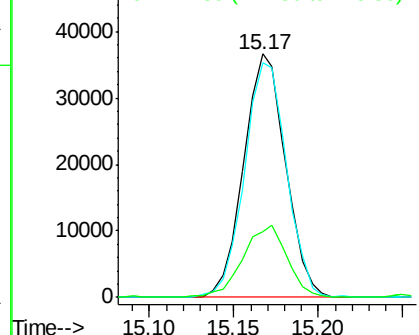
#93
 1,2,4-Trichlorobenzene
 Concen: 5.131 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.5	142.5
145	31.1	14.2	42.6

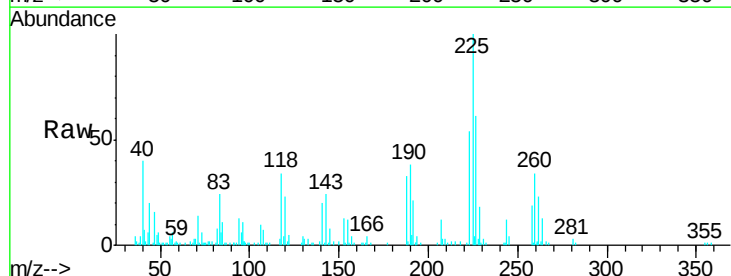


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

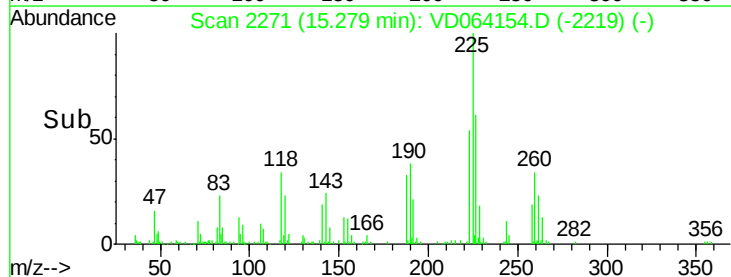
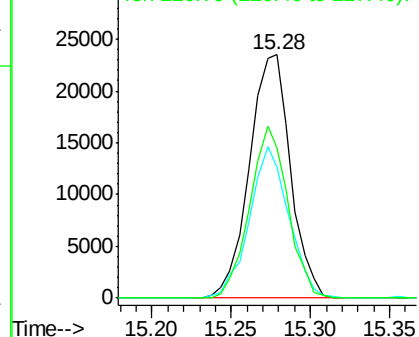


#94
 Hexachlorobutadiene
 Concen: 5.803 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064154.D
 Acq: 08 Nov 2019 13:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.5	31.1	93.3
227	65.3	31.5	94.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 5.058 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

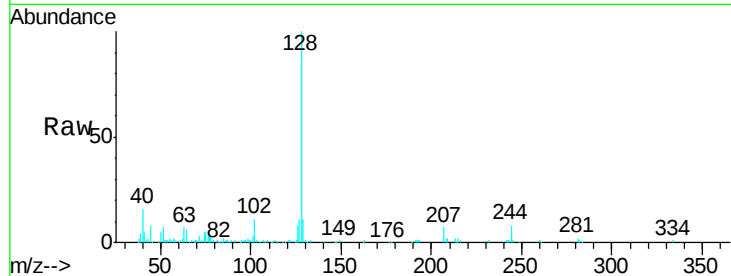
Tgt Ion:128 Resp: 101161

Ion Ratio Lower Upper

128 100

127 14.4 10.5 15.7

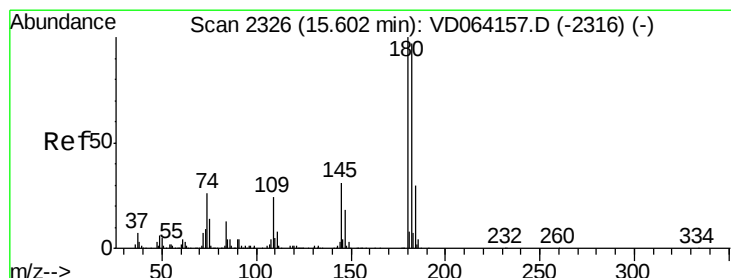
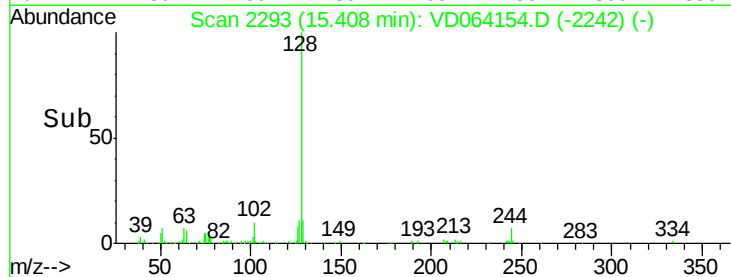
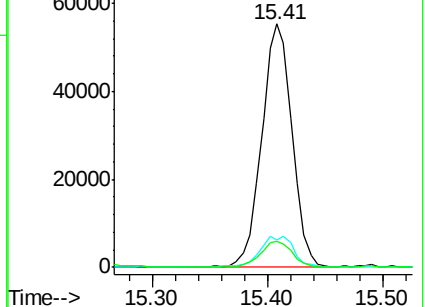
129 11.4 8.6 13.0



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: 5.092 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD064154.D

Acq: 08 Nov 2019 13:40

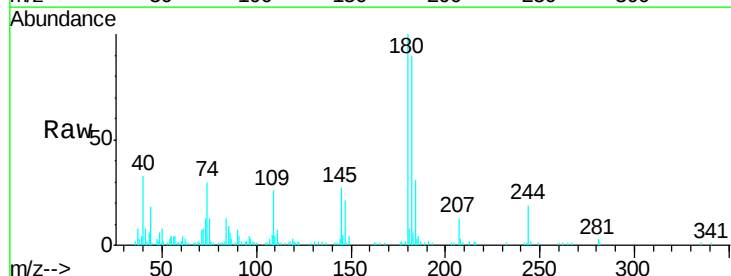
Tgt Ion:180 Resp: 54405

Ion Ratio Lower Upper

180 100

182 91.4 48.3 144.9

145 29.5 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

