

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080919\
 Data File : VD063475.D
 Acq On : 9 Aug 2019 15:51
 Operator : JC/SY
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 10 06:25:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:19:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	1229779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1683530	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	1434095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	728207	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	1382170	104.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.98%	
35) Dibromofluoromethane	6.93	113	1521622	107.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.64%	
50) Toluene-d8	10.42	98	3303103	105.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.92%	
62) 4-Bromofluorobenzene	13.56	95	1463604	103.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	1303296	87.460	ug/l	97
3) Chloromethane	1.75	50	1015283	87.200	ug/l	96
4) Vinyl Chloride	1.85	62	1117013	96.653	ug/l	96
5) Bromomethane	2.15	94	449572	82.879	ug/l	94
6) Chloroethane	2.26	64	454015	85.902	ug/l	97
7) Trichlorofluoromethane	2.53	101	2013029	88.796	ug/l	99
8) Diethyl Ether	2.88	74	282004	88.103	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.14	101	1244497	92.969	ug/l	97
10) Methyl Iodide	3.31	142	1975748	104.330	ug/l	98
11) Tert butyl alcohol	4.10	59	273740	477.644	ug/l	98
12) 1,1-Dichloroethene	3.13	96	932825	93.794	ug/l	93
13) Acrolein	3.04	56	279689	495.743	ug/l	97
14) Allyl chloride	3.63	41	1405158	94.047	ug/l	96
15) Acrylonitrile	4.21	53	763779	503.152	ug/l	96
16) Acetone	3.23	43	1405293	521.982	ug/l	95
17) Carbon Disulfide	3.38	76	2922874	93.085	ug/l	98
18) Methyl Acetate	3.66	43	463487	91.421	ug/l	100
19) Methyl tert-butyl Ether	4.25	73	2015094	101.248	ug/l	98
20) Methylene Chloride	3.82	84	976982	84.408	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	1013286	96.758	ug/l	98
22) Diisopropyl ether	5.14	45	2984577	96.728	ug/l	99
23) Vinyl Acetate	5.07	43	9010934	502.730	ug/l	99
24) 1,1-Dichloroethane	4.99	63	1899335	99.195	ug/l	100
25) 2-Butanone	6.09	43	1384422	523.832	ug/l	99
26) 2,2-Dichloropropane	6.04	77	1834846	96.206	ug/l	96
27) cis-1,2-Dichloroethene	6.05	96	1115095	97.320	ug/l	94
28) Bromochloromethane	6.45	49	740989	95.481	ug/l	99
29) Tetrahydrofuran	6.48	42	610923	496.028	ug/l	98
30) Chloroform	6.68	83	2174535	91.359	ug/l	94
31) Cyclohexane	6.96	56	1143025	96.157	ug/l	100
32) 1,1,1-Trichloroethane	6.88	97	2065100	90.704	ug/l	95
36) 1,1-Dichloropropene	7.16	75	1462103	98.241	ug/l	99
37) Ethyl Acetate	6.20	43	645862	103.816	ug/l	99
38) Carbon Tetrachloride	7.12	117	2168958	96.698	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	1274290	100.692	ug/l	96
40) Benzene	7.46	78	3212934	98.100	ug/l	100
41) Methacrylonitrile	6.47	41	775135	98.715	ug/l #	95
42) 1,2-Dichloroethane	7.59	62	1583934	96.180	ug/l	100
43) Isopropyl Acetate	9.26	43	840644	100.646	ug/l #	99
44) Trichloroethene	8.55	130	1241194	99.122	ug/l	96
45) 1,2-Dichloropropane	8.95	63	765283	100.337	ug/l	97
46) Dibromomethane	9.07	93	644034	98.878	ug/l	97
47) Bromodichloromethane	9.38	83	1704410	102.015	ug/l	97
48) Methyl methacrylate	9.14	41	597045	105.402	ug/l	98
49) 1,4-Dioxane	9.10	88	101642	2108.730	ug/l #	93
51) 4-Methyl-2-Pentanone	10.32	43	2841822	497.225	ug/l	99
52) Toluene	10.53	92	2025533	96.018	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	1431601	104.995	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	1583889	103.021	ug/l	96
55) 1,1,2-Trichloroethane	11.21	97	698141	97.973	ug/l	96
56) Ethyl methacrylate	11.06	69	793472	102.590	ug/l	98
57) 1,3-Dichloropropane	11.42	76	1062788	98.668	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.88	63	2146217	525.615	ug/l	98
59) 2-Hexanone	11.54	43	2121988	510.259	ug/l	100
60) Dibromochloromethane	11.70	129	1306479	100.757	ug/l	97
61) 1,2-Dibromoethane	11.82	107	871203	100.992	ug/l	100
64) Tetrachloroethene	11.26	164	1031850	93.204	ug/l	95
65) Chlorobenzene	12.41	112	2532196	94.209	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	1185236	100.197	ug/l	95
67) Ethyl Benzene	12.53	91	4446149	95.135	ug/l	97
68) m/p-Xylenes	12.67	106	3011322	183.400	ug/l	98
69) o-Xylene	13.06	106	1469645	92.997	ug/l	94
70) Styrene	13.08	104	2607688	92.766	ug/l	97
71) Bromoform	13.24	173	858012	105.783	ug/l	100
73) Isopropylbenzene	13.41	105	4444349	95.953	ug/l	99
74) N-amyl acetate	13.27	43	1235004	106.216	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	754182	98.100	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	824639	98.672	ug/l	97
77) Bromobenzene	13.68	156	1236671	97.692	ug/l	92
78) n-propylbenzene	13.78	91	4861752	89.711	ug/l	98
79) 2-Chlorotoluene	13.84	91	2929905	93.778	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	3691617	91.219	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	245865	109.456	ug/l	90
82) 4-Chlorotoluene	13.95	91	3364730	89.548	ug/l	98
83) tert-Butylbenzene	14.20	119	3751811	88.037	ug/l	98
84) 1,2,4-Trimethylbenzene	14.25	105	3499709	93.462	ug/l	96
85) sec-Butylbenzene	14.38	105	4333791	95.759	ug/l	96
86) p-Isopropyltoluene	14.49	119	3799693	87.808	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	2182596	95.321	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	2041476	92.928	ug/l	98
89) n-Butylbenzene	14.80	91	3744889	94.821	ug/l	96
90) Hexachloroethane	15.02	117	1103459	101.453	ug/l	92
91) 1,2-Dichlorobenzene	14.82	146	1891997	97.391	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	141873	98.007	ug/l	64

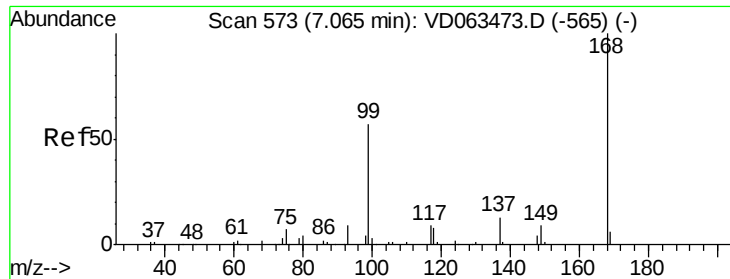
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	1350154	94.451	ug/l	99
94) Hexachlorobutadiene	16.04	225	1077090	98.865	ug/l	98
95) Naphthalene	16.13	128	2190472	101.112	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	1136630	98.446	ug/l	99

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

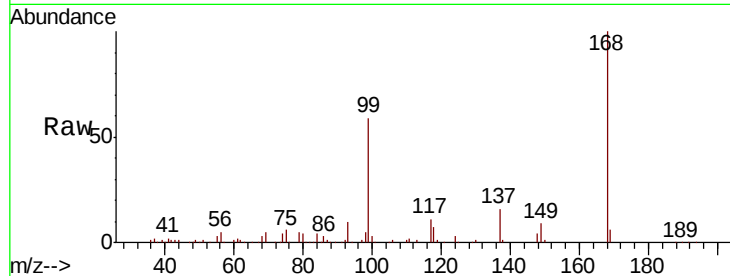


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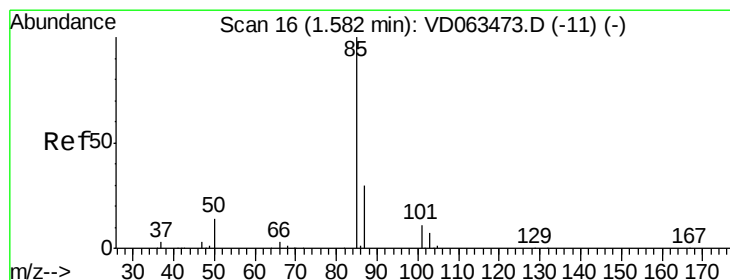
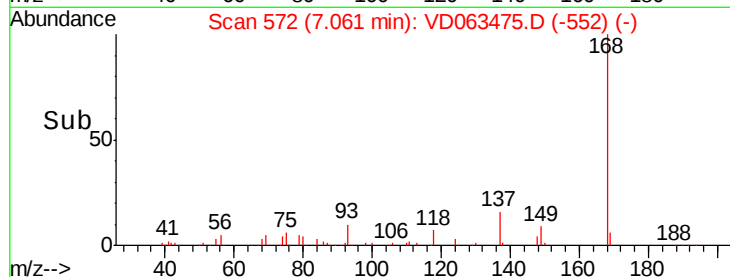
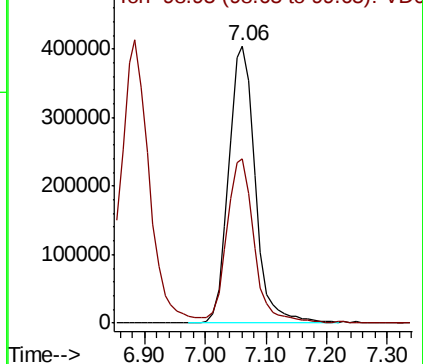
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:168 Resp: 1229779
 Ion Ratio Lower Upper
 168 100
 99 59.4 46.7 70.1



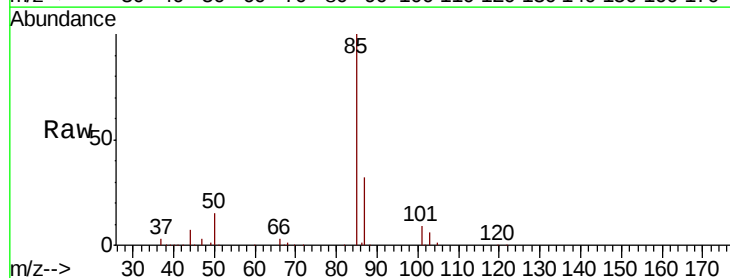
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.95 (98.65 to 99.65): VDC



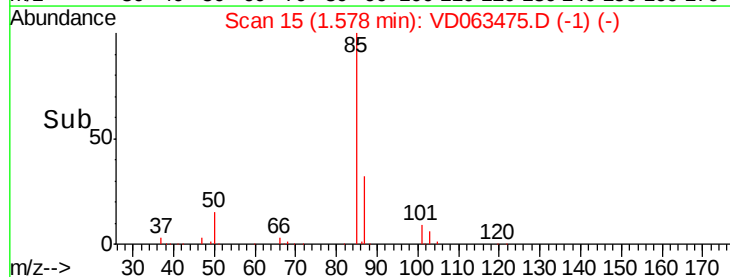
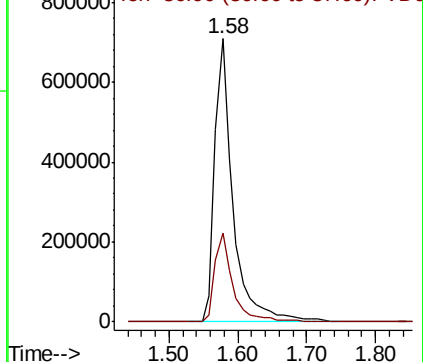
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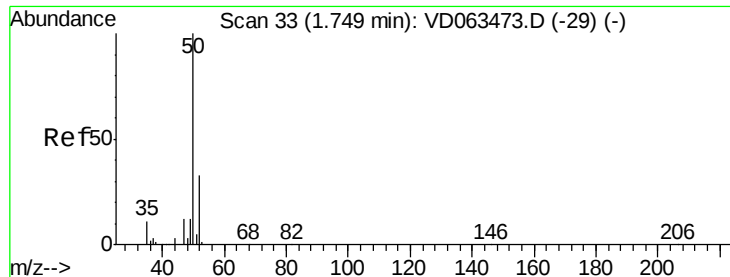
Dichlorodifluoromethane
 Concen: 87.460 ug/l
 RT: 1.58 min Scan# 15
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

Tgt Ion: 85 Resp: 1303296
 Ion Ratio Lower Upper
 85 100
 87 31.5 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC
 Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 87.200 ug/l

RT: 1.75 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

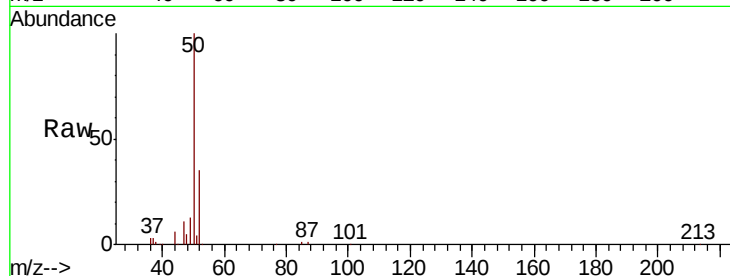
VSTDIC100

Tgt Ion: 50 Resp: 1015283

Ion Ratio Lower Upper

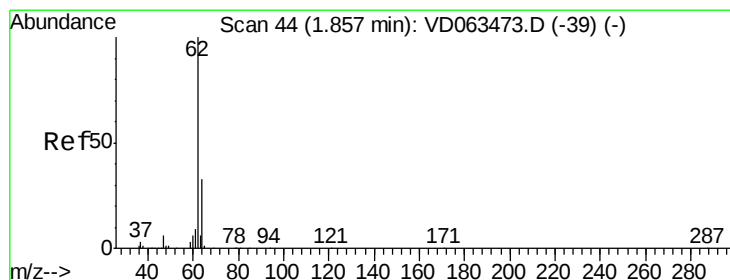
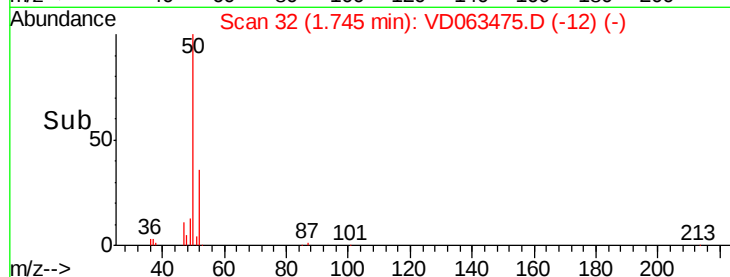
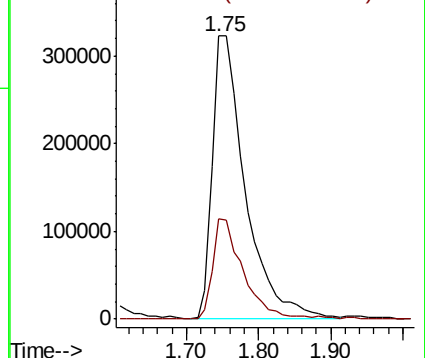
50 100

52 35.4 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 96.653 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD063475.D

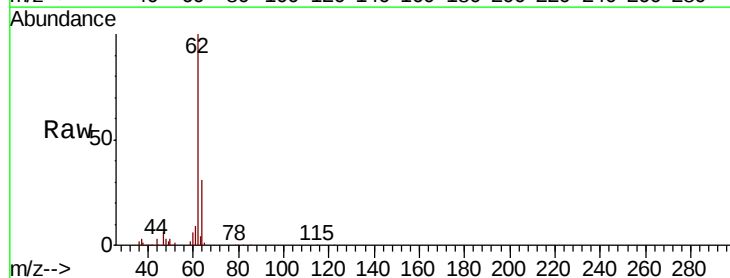
Acq: 9 Aug 2019 15:51

Tgt Ion: 62 Resp: 1117013

Ion Ratio Lower Upper

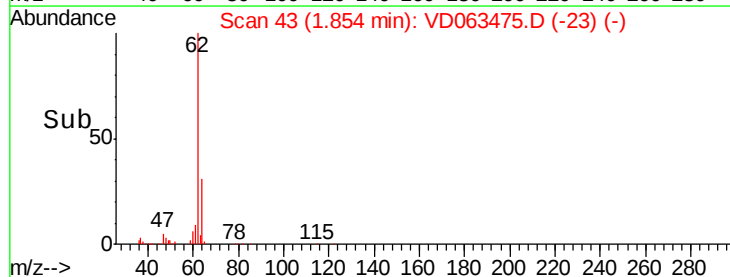
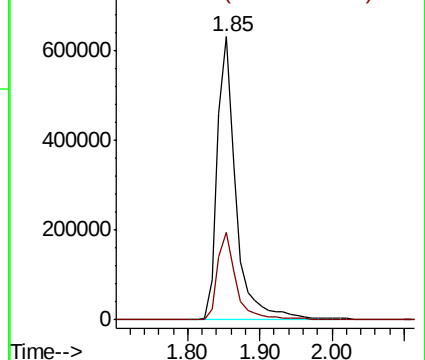
62 100

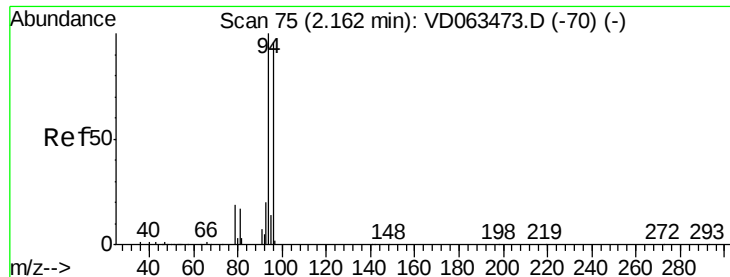
64 31.0 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 82.879 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

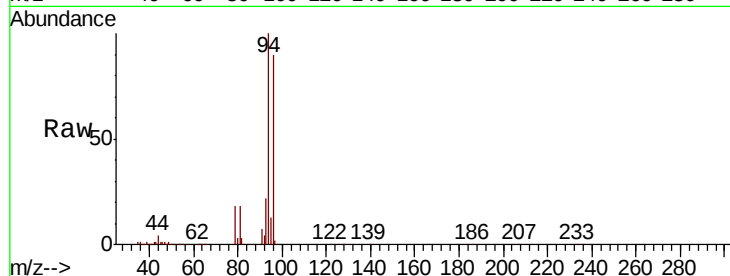
Tgt Ion: 94 Resp: 449572

Ion Ratio Lower Upper

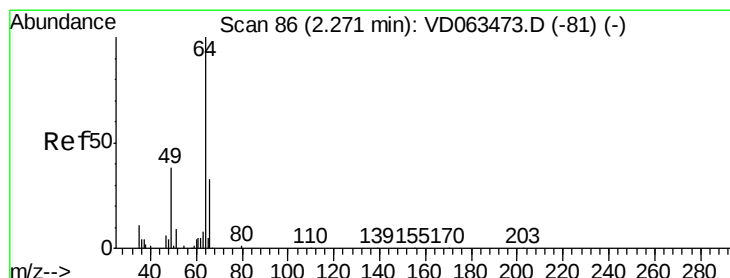
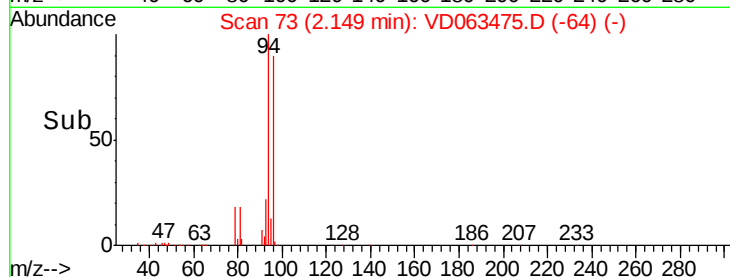
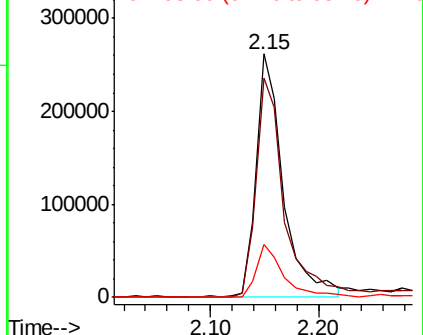
94 100

96 89.9 76.5 114.7

93 21.8 15.8 23.8



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 85.902 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063475.D

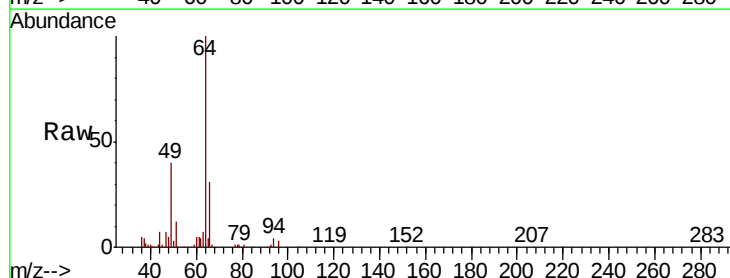
Acq: 9 Aug 2019 15:51

Tgt Ion: 64 Resp: 454015

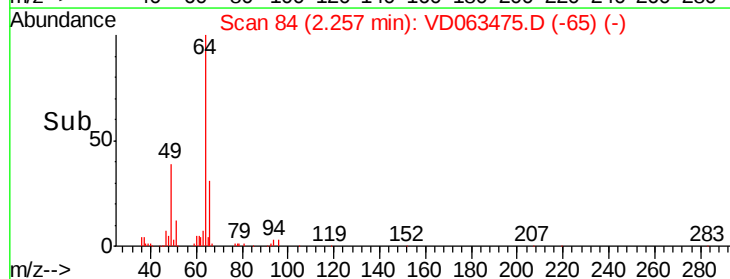
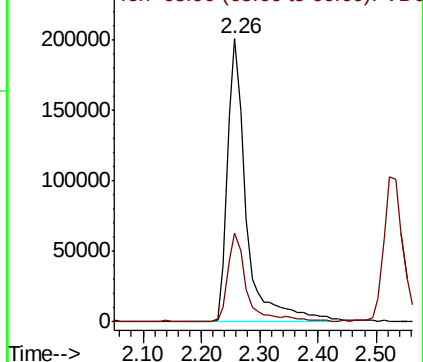
Ion Ratio Lower Upper

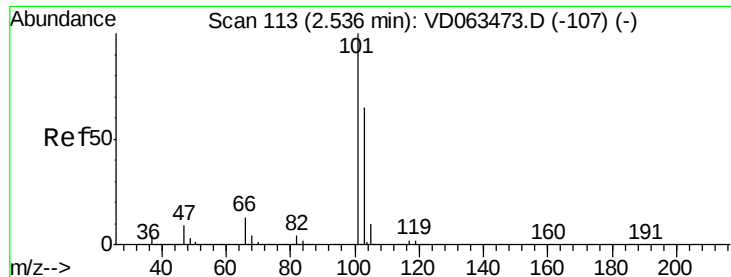
64 100

66 31.4 26.3 39.5



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



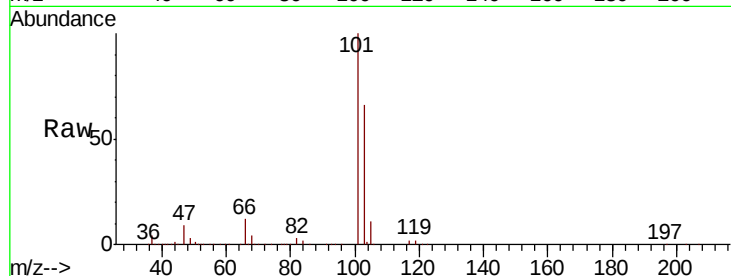


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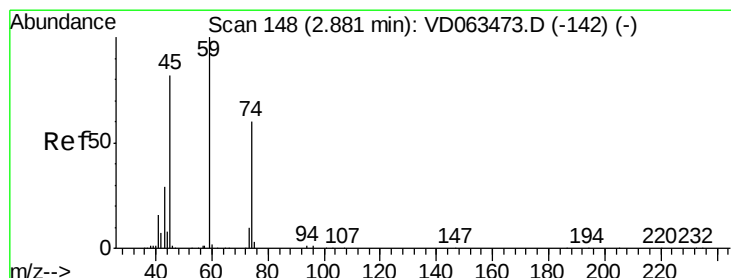
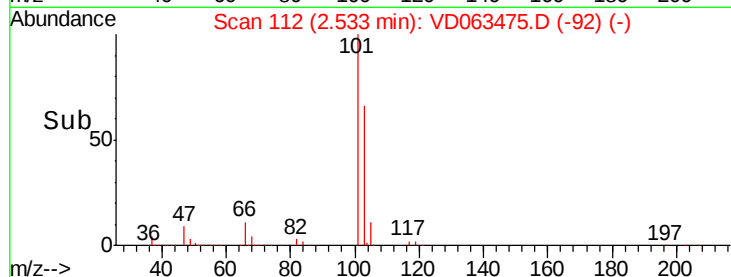
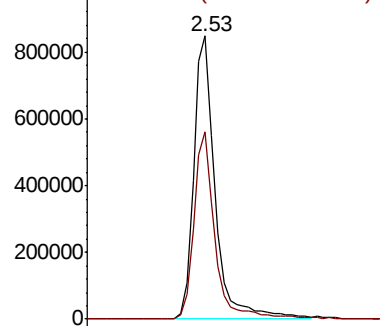
Trichlorofluoromethane
Concen: 88.796 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

Instrument :
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VSTDICC100

Tgt Ion:101 Resp: 2013029
Ion Ratio Lower Upper
101 100
103 66.2 52.2 78.4



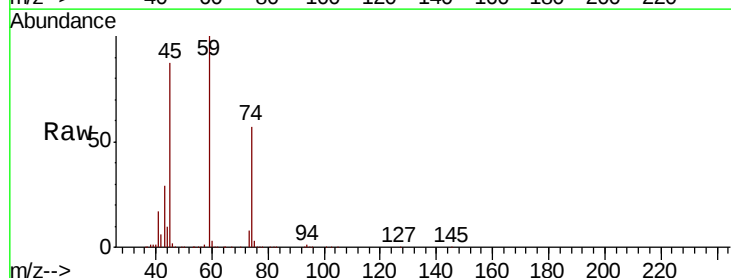
Abundance Ion 100.85 (100.55 to 101.55): V
1000000 Ion 102.85 (102.55 to 103.55): V



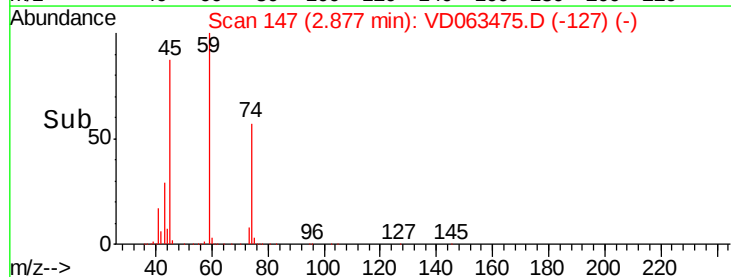
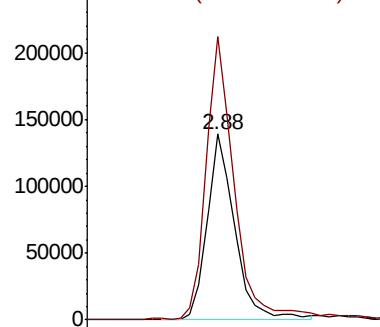
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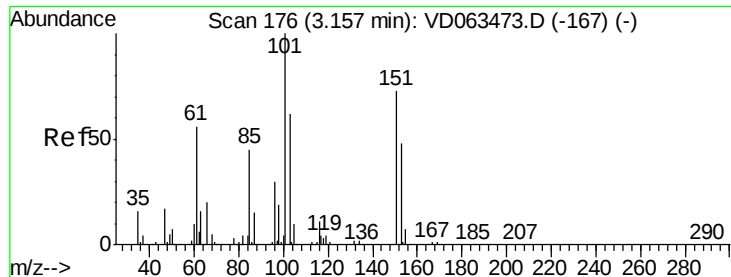
Diethyl Ether
Concen: 88.103 ug/l
RT: 2.88 min Scan# 147
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

Tgt Ion: 74 Resp: 282004
Ion Ratio Lower Upper
74 100
45 152.5 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC
250000 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 92.969 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD063475.D

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MSVOA_D

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VSTDIC100

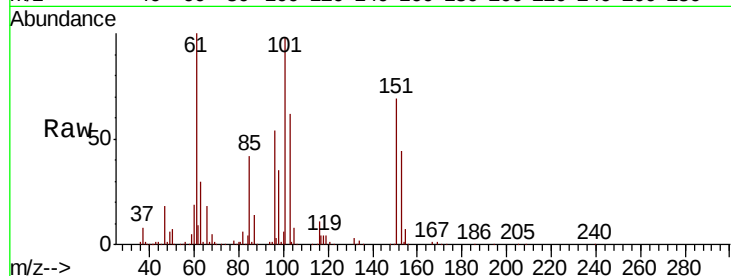
Tgt Ion:101 Resp: 1244497

Ion Ratio Lower Upper

101 100

85 42.6 35.8 53.6

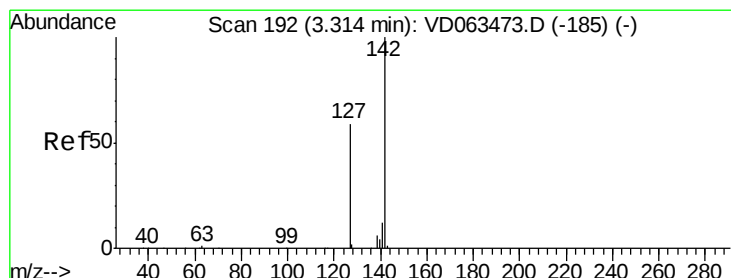
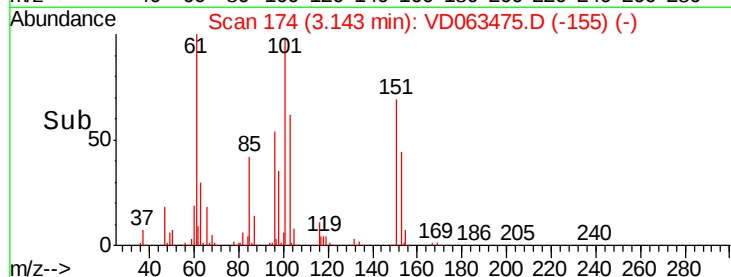
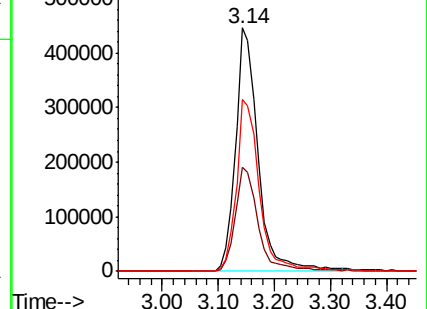
151 70.8 58.6 88.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 104.330 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

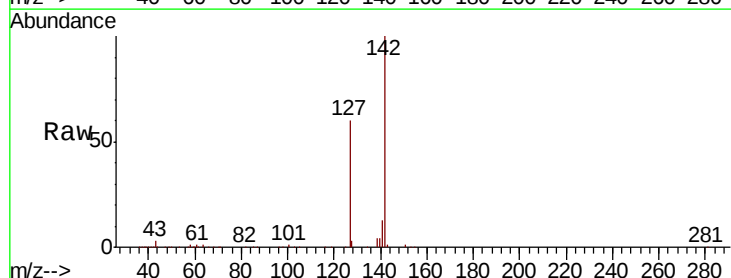
Tgt Ion:142 Resp: 1975748

Ion Ratio Lower Upper

142 100

127 60.2 47.2 70.8

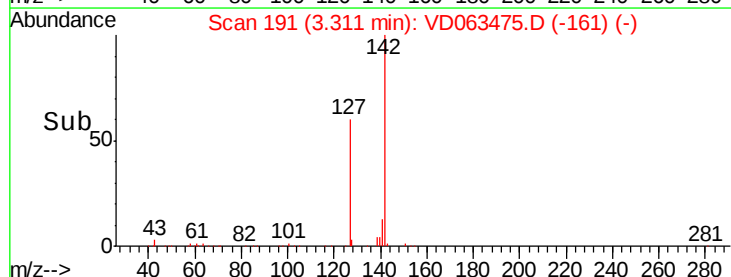
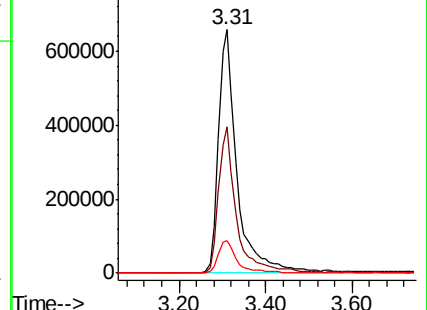
141 13.5 9.8 14.8

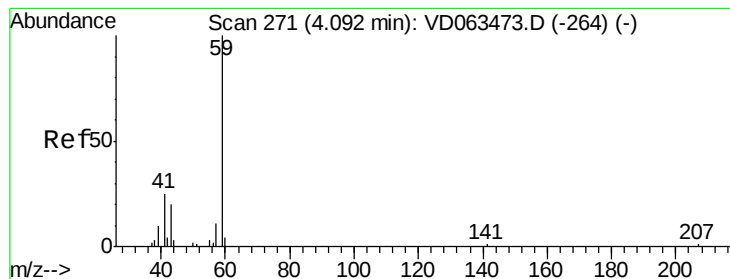


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 477.644 ug/l

RT: 4.10 min Scan# 271

Delta R.T. 0.01 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

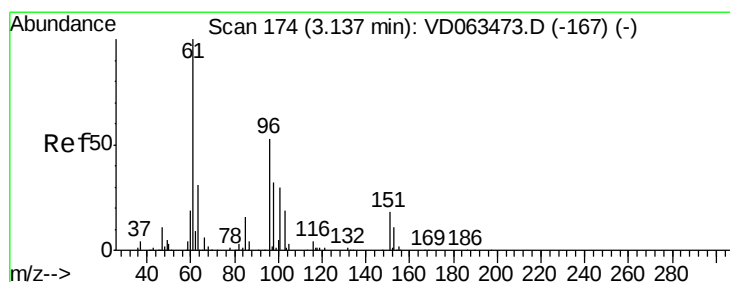
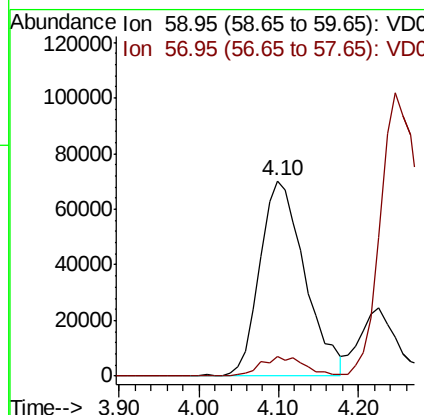
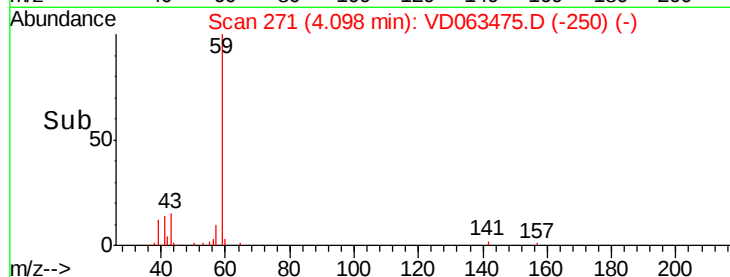
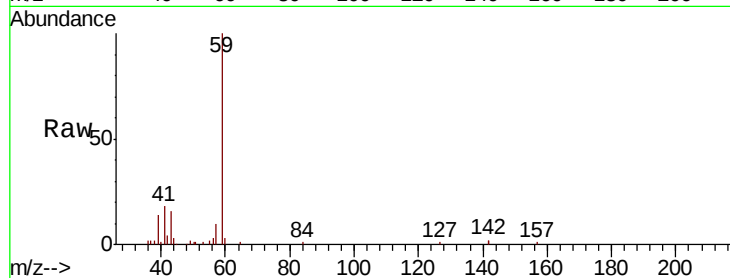
VSTDIC100

Tgt Ion: 59 Resp: 273740

Ion Ratio Lower Upper

59 100

57 10.3 8.7 13.1



#12

1,1-Dichloroethene

Concen: 93.794 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.00 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

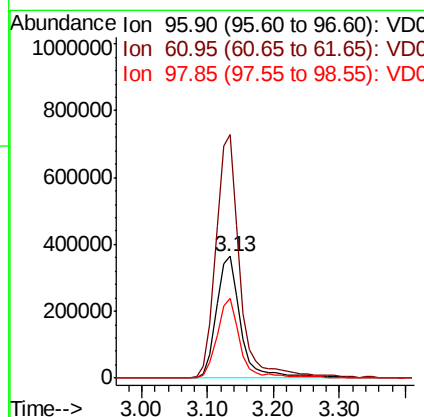
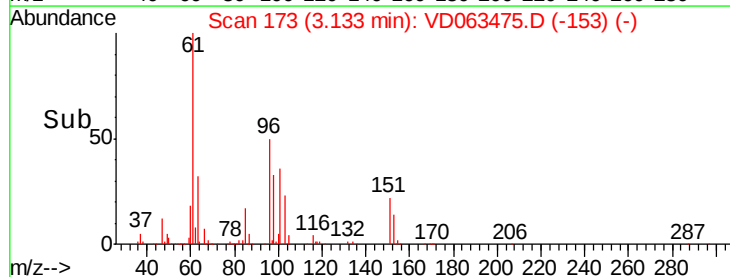
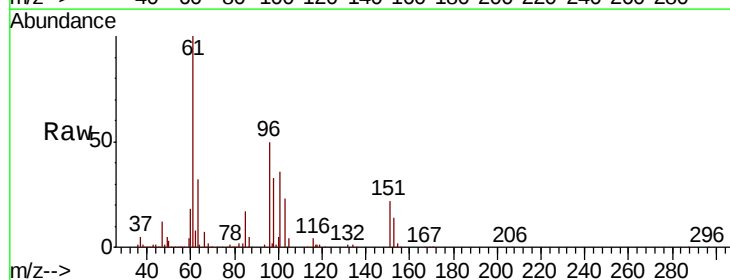
Tgt Ion: 96 Resp: 932825

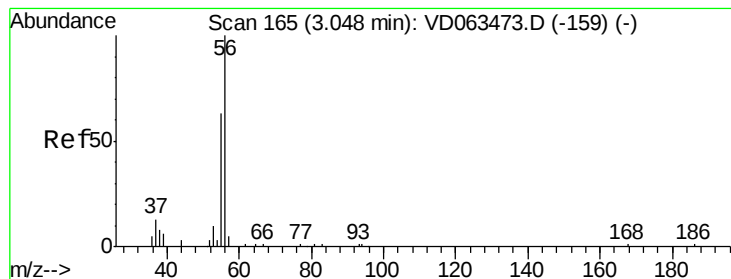
Ion Ratio Lower Upper

96 100

61 200.3 151.7 227.5

98 66.1 48.4 72.6





#13

Acrolein

Concen: 495.743 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

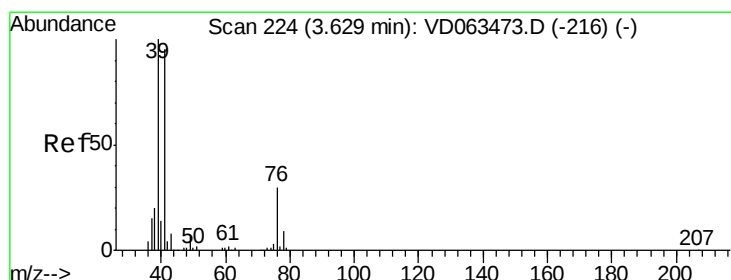
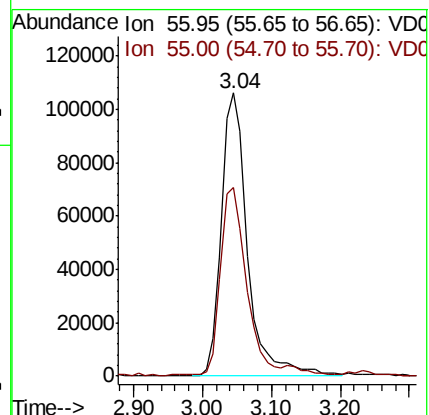
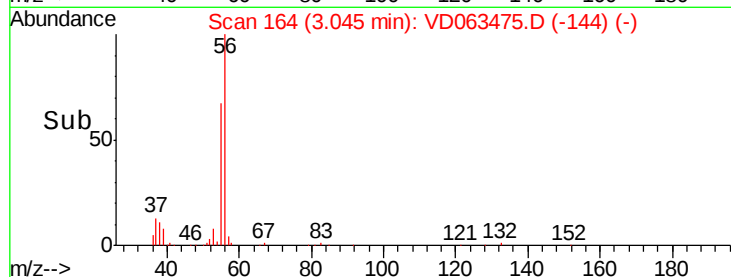
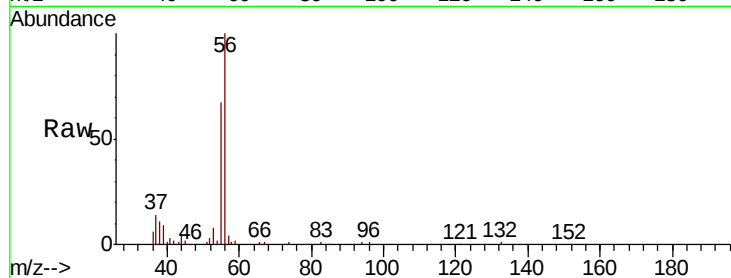
VSTDIC100

Tgt Ion: 56 Resp: 279689

Ion Ratio Lower Upper

56 100

55 66.5 51.3 76.9



#14

Allyl chloride

Concen: 94.047 ug/l

RT: 3.63 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

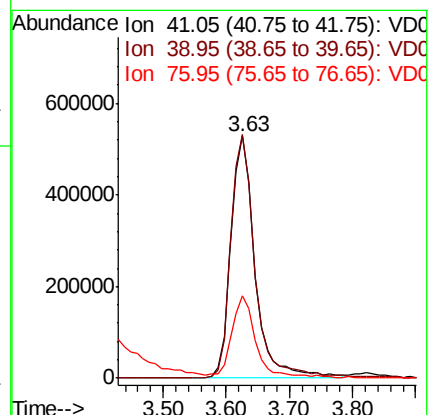
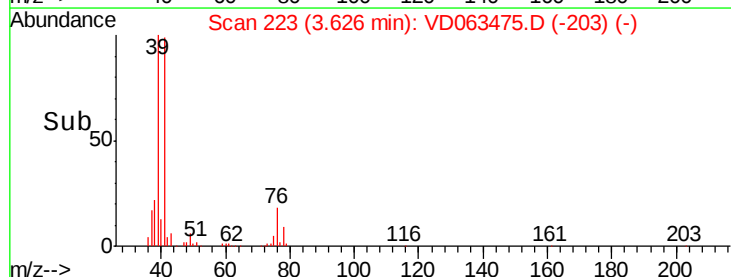
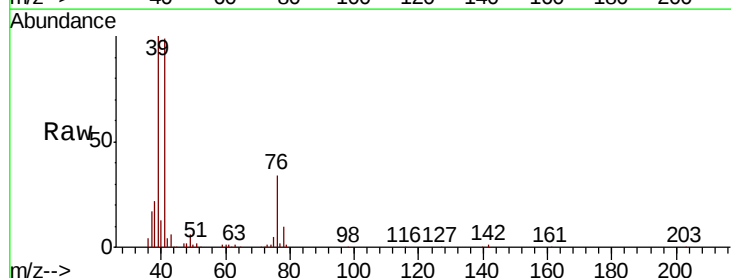
Tgt Ion: 41 Resp: 1405158

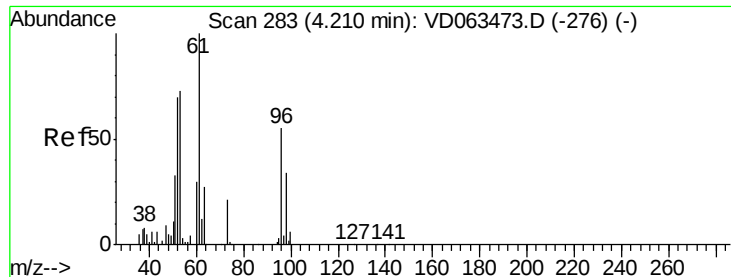
Ion Ratio Lower Upper

41 100

39 100.7 84.2 126.4

76 34.2 26.0 39.0





#15

Acrylonitrile

Concen: 503.152 ug/l

RT: 4.21 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

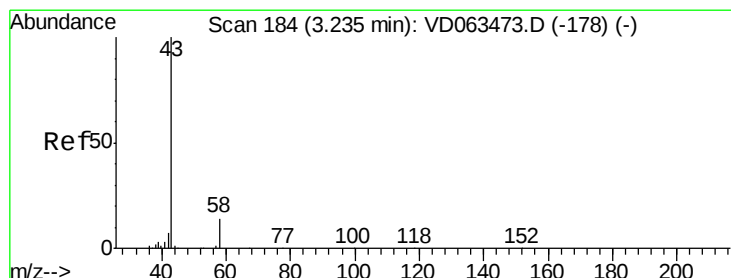
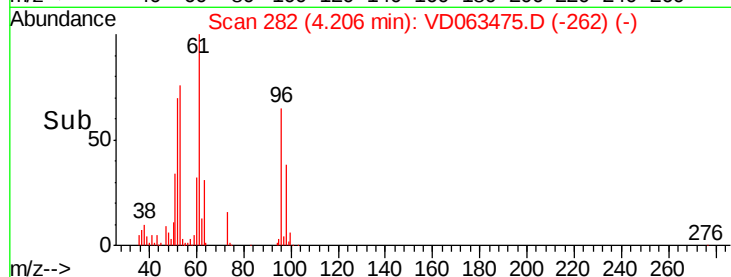
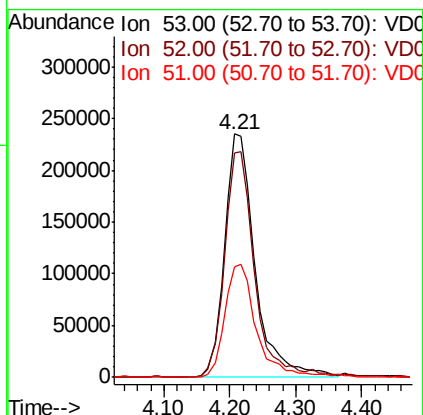
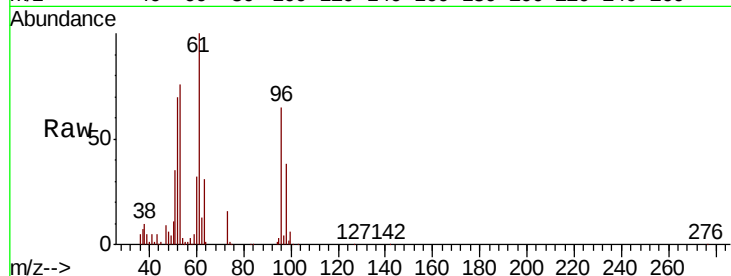
Tgt Ion: 53 Resp: 763779

Ion Ratio Lower Upper

53 100

52 91.9 77.4 116.0

51 45.3 36.7 55.1



#16

Acetone

Concen: 521.982 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD063475.D

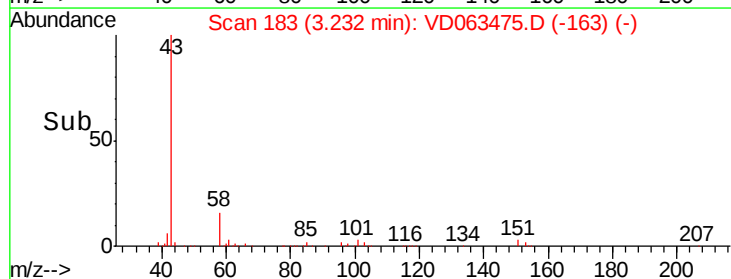
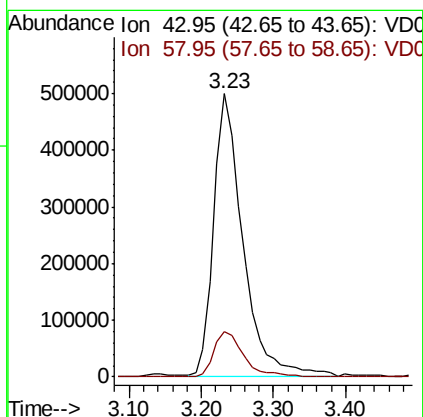
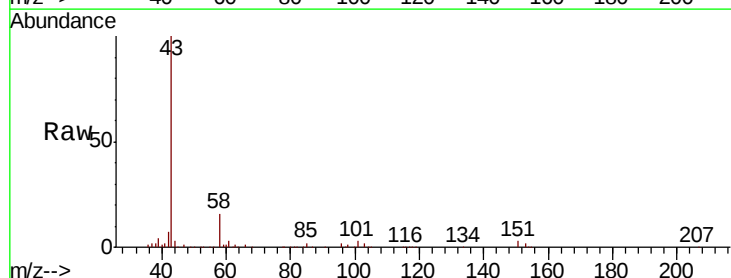
Acq: 9 Aug 2019 15:51

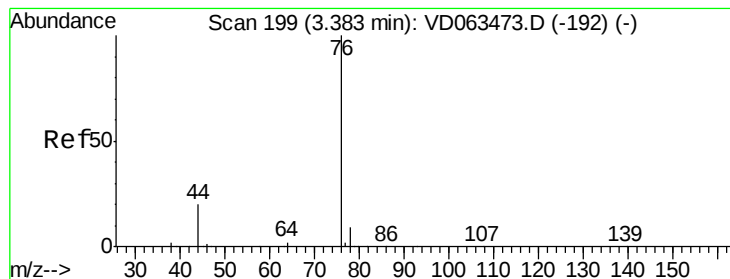
Tgt Ion: 43 Resp: 1405293

Ion Ratio Lower Upper

43 100

58 16.2 11.4 17.2





#17

Carbon Disulfide

Concen: 93.085 ug/l

RT: 3.38 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

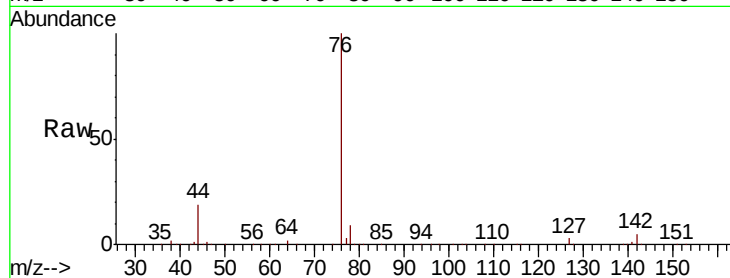
VSTDIC100

Tgt Ion: 76 Resp: 2922874

Ion Ratio Lower Upper

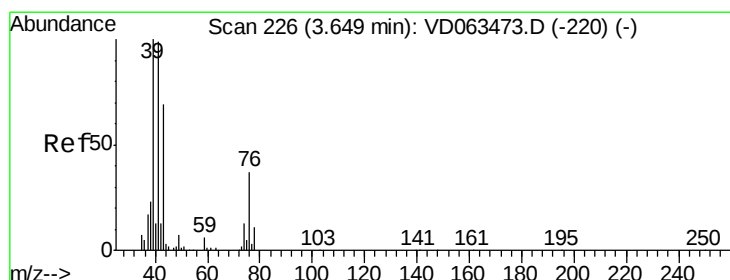
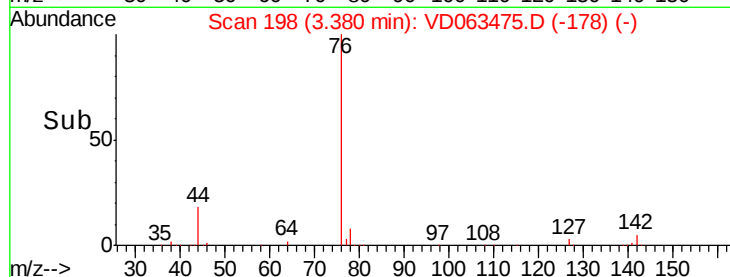
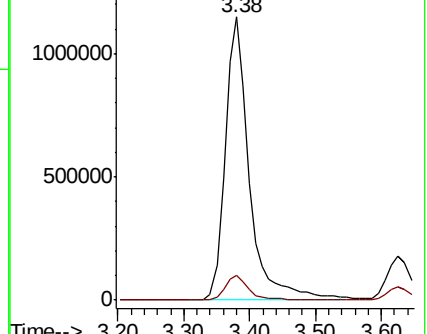
76 100

78 8.6 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 91.421 ug/l

RT: 3.66 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD063475.D

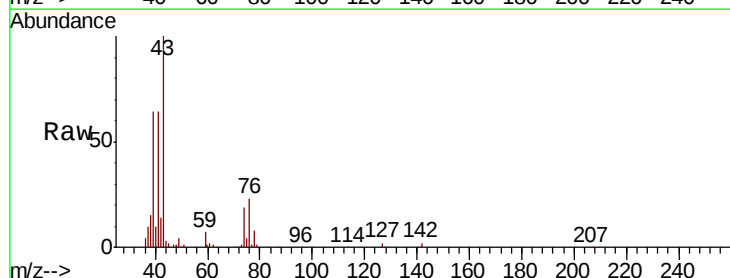
Acq: 9 Aug 2019 15:51

Tgt Ion: 43 Resp: 463487

Ion Ratio Lower Upper

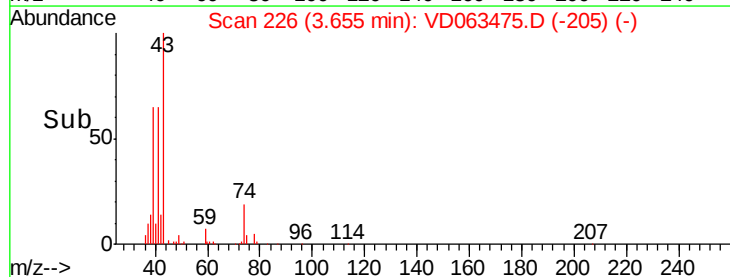
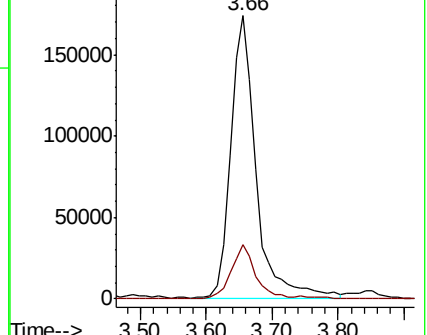
43 100

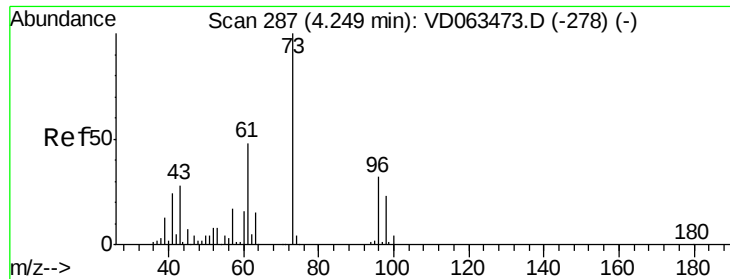
74 19.2 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

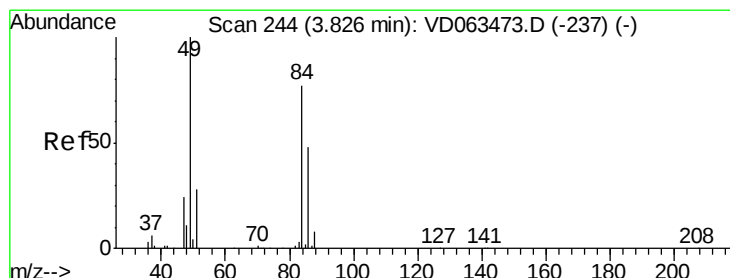
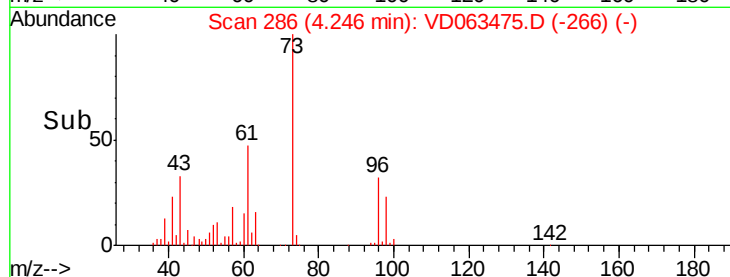
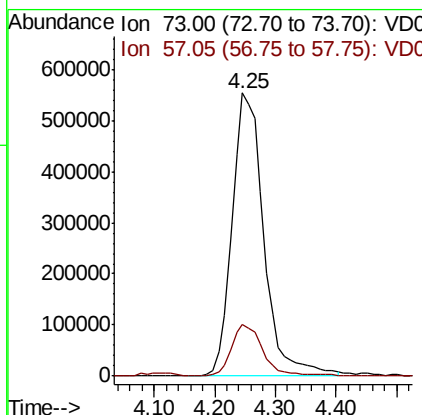
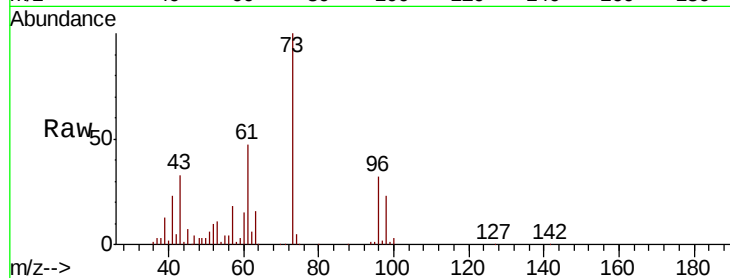




#19
Methyl tert-butyl Ether
Concen: 101.248 ug/l
RT: 4.25 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

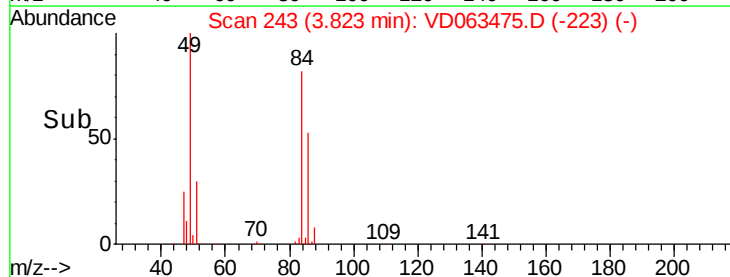
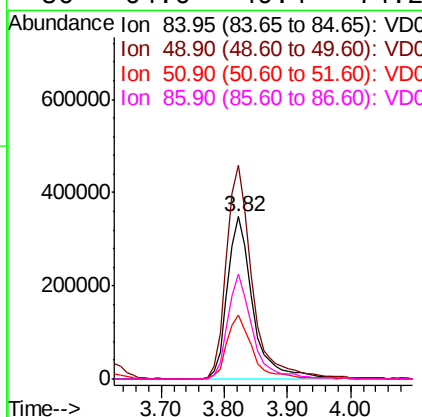
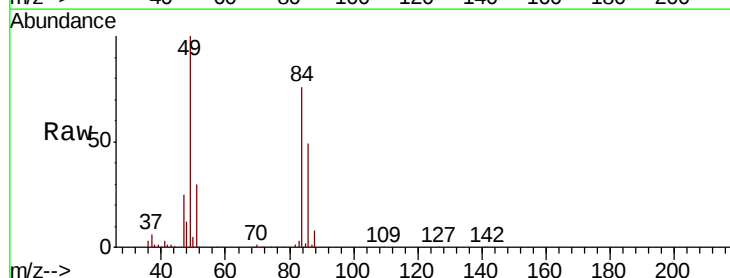
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

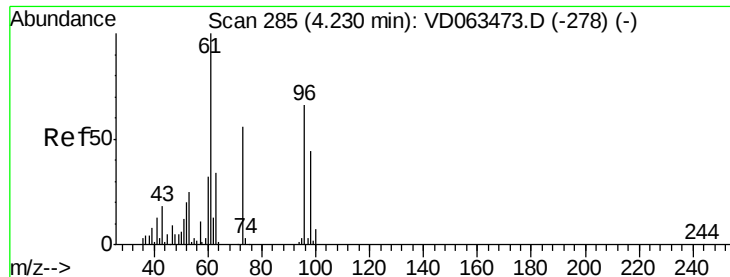
Tgt Ion: 73 Resp: 2015094
Ion Ratio Lower Upper
73 100
57 18.4 14.0 21.0



#20
Methylene Chloride
Concen: 84.408 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

Tgt Ion: 84 Resp: 976982
Ion Ratio Lower Upper
84 100
49 131.7 103.4 155.2
51 39.4 28.5 42.7
86 64.6 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 96.758 ug/l

RT: 4.23 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

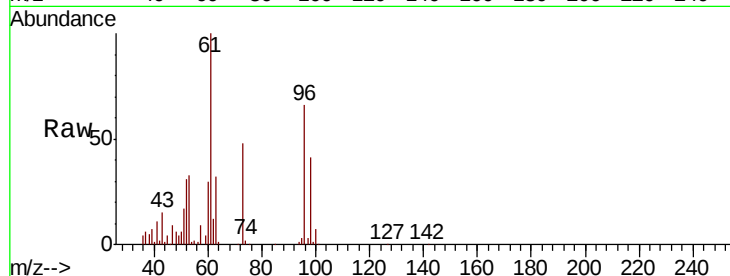
Tgt Ion: 96 Resp: 1013286

Ion Ratio Lower Upper

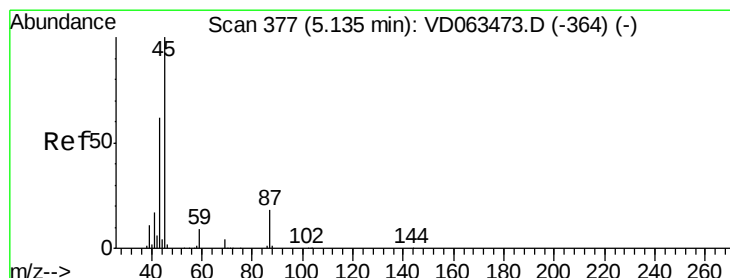
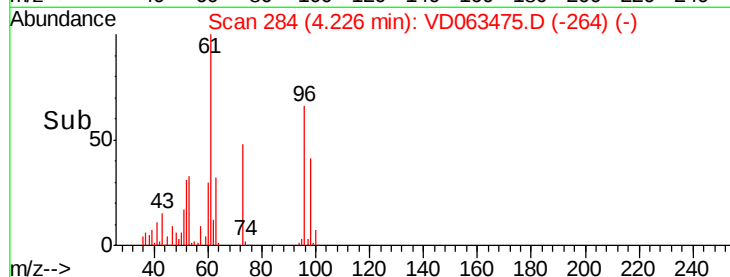
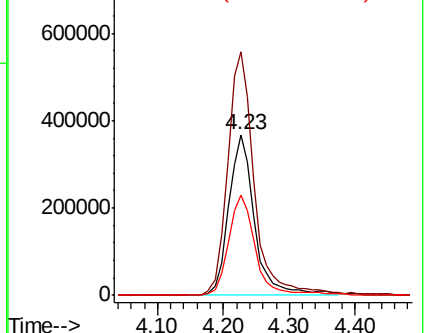
96 100

61 151.4 121.7 182.5

98 62.4 54.2 81.2



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 96.728 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

Tgt Ion: 45 Resp: 2984577

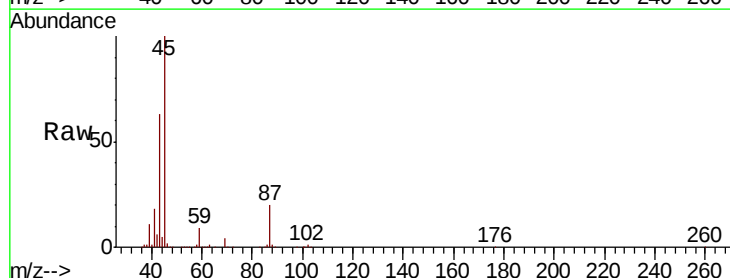
Ion Ratio Lower Upper

45 100

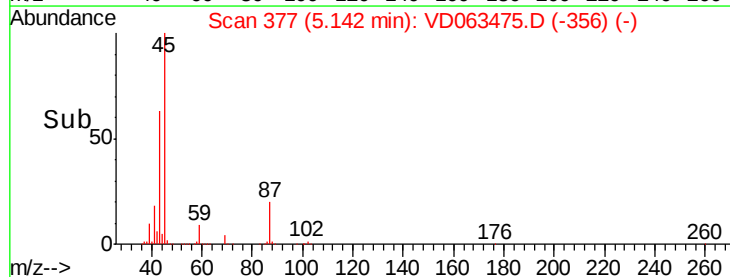
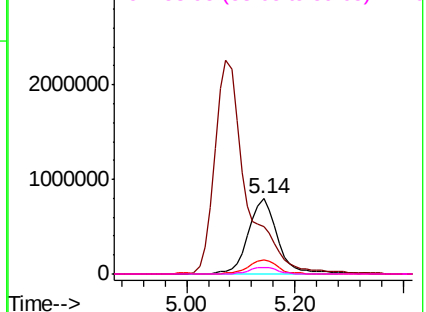
43 63.3 50.3 75.5

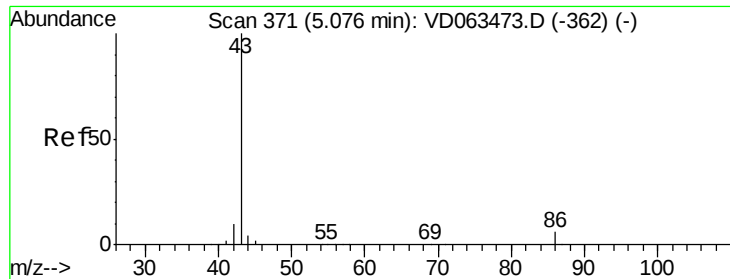
87 19.5 14.3 21.5

59 9.2 7.7 11.5



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

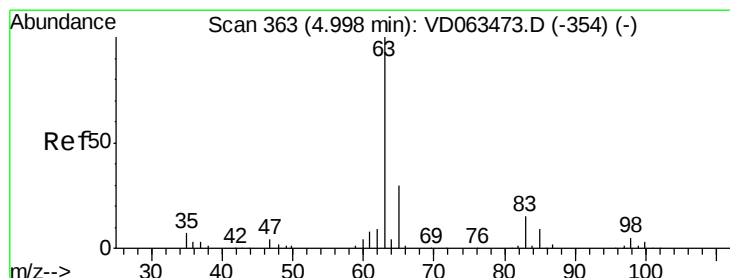
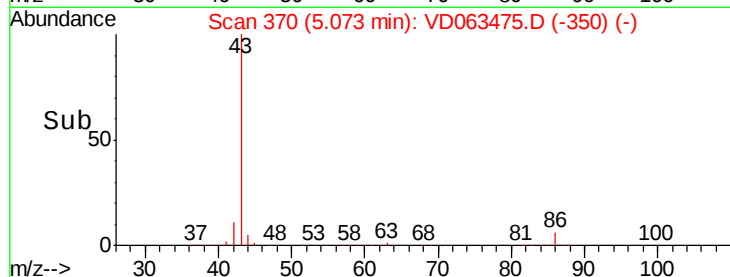
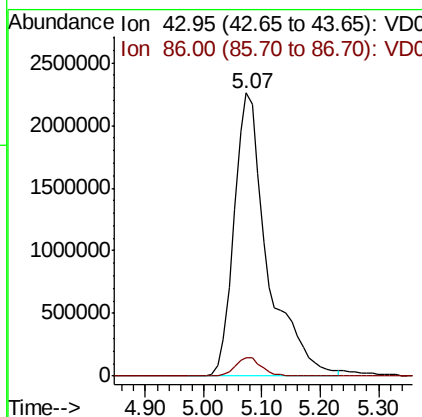
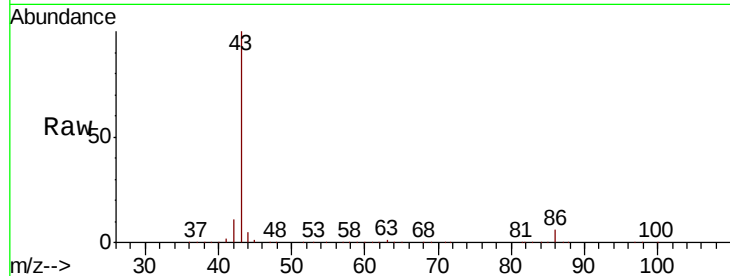




#23
 Vinyl Acetate
 Concen: 502.730 ug/l
 RT: 5.07 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

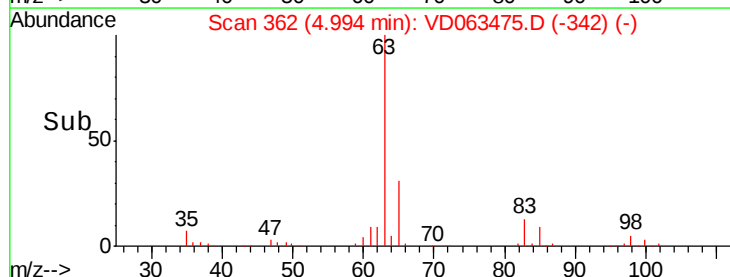
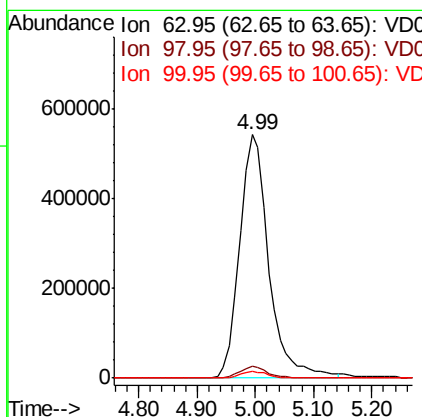
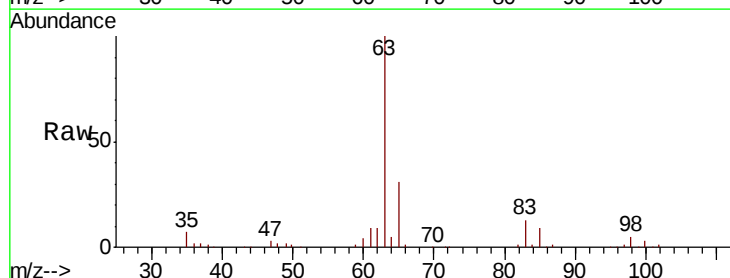
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

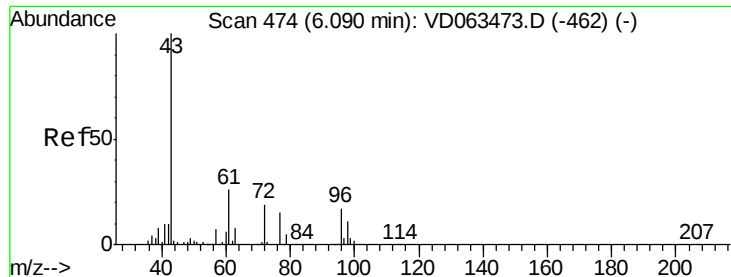
Tgt Ion: 43 Resp: 9010934
 Ion Ratio Lower Upper
 43 100
 86 6.4 4.8 7.2



#24
 1,1-Dichloroethane
 Concen: 99.195 ug/l
 RT: 4.99 min Scan# 362
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

Tgt Ion: 63 Resp: 1899335
 Ion Ratio Lower Upper
 63 100
 98 4.9 2.4 7.2
 100 2.6 1.3 3.8





#25

2-Butanone

Concen: 523.832 ug/l

RT: 6.09 min Scan# 473

Delta R.T. -0.00 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

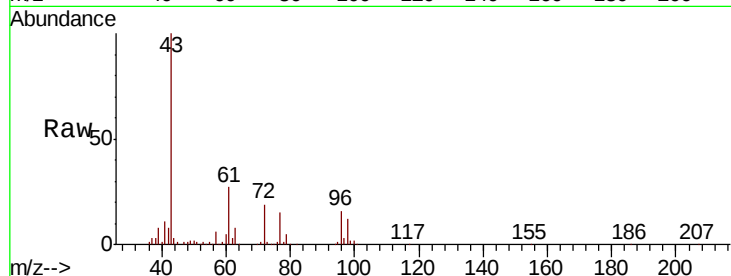
VSTDIC100

Tgt Ion: 43 Resp: 1384422

Ion Ratio Lower Upper

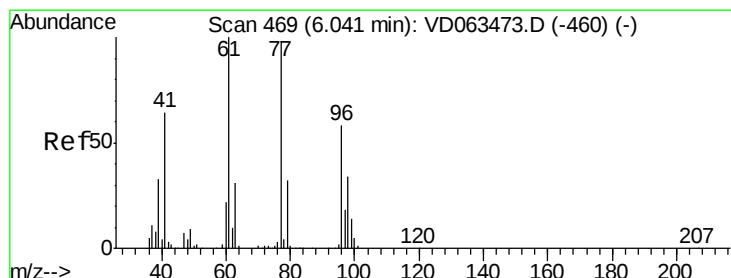
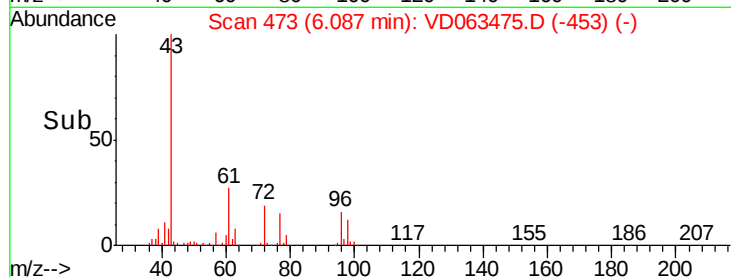
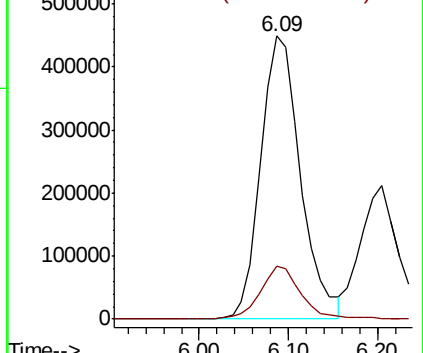
43 100

72 18.6 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 96.206 ug/l

RT: 6.04 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD063475.D

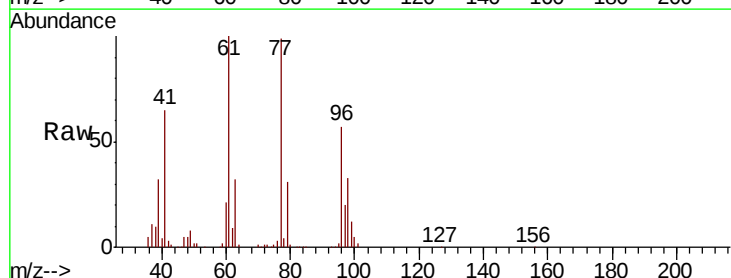
Acq: 9 Aug 2019 15:51

Tgt Ion: 77 Resp: 1834846

Ion Ratio Lower Upper

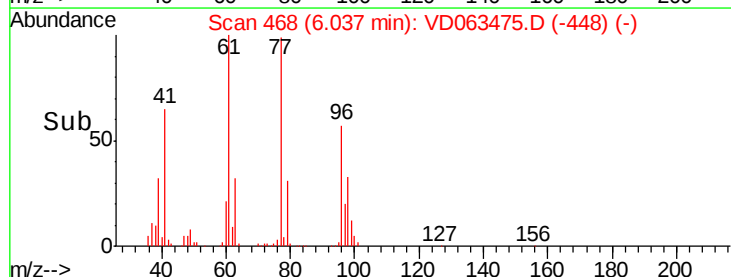
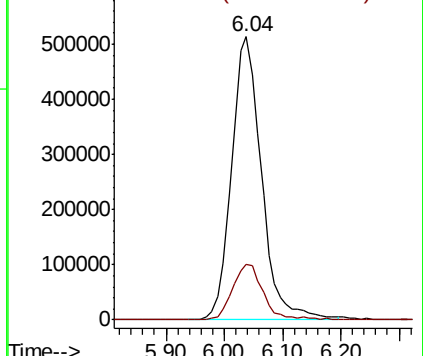
77 100

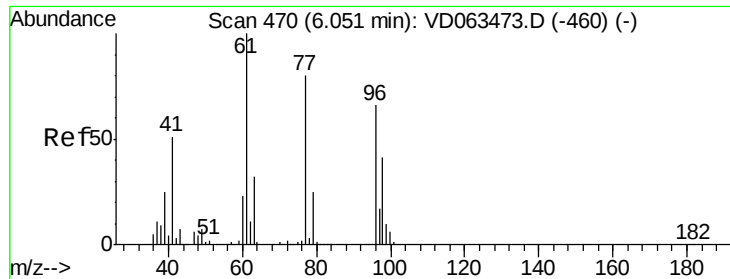
97 19.8 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



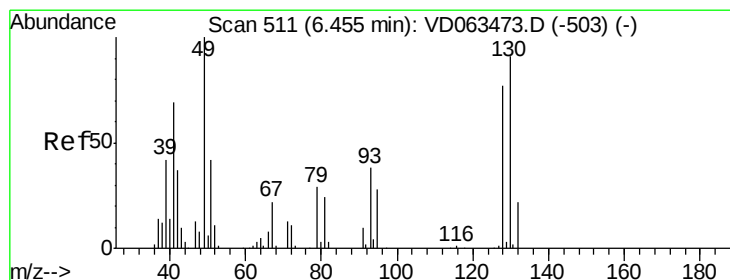
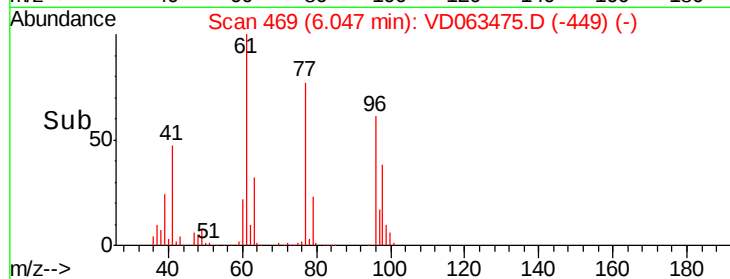
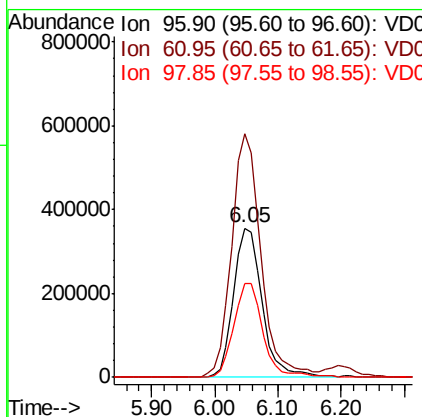
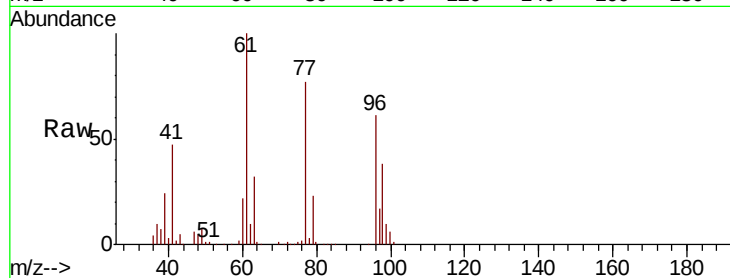


#27

cis-1,2-Dichloroethene
 Concen: 97.320 ug/l
 RT: 6.05 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

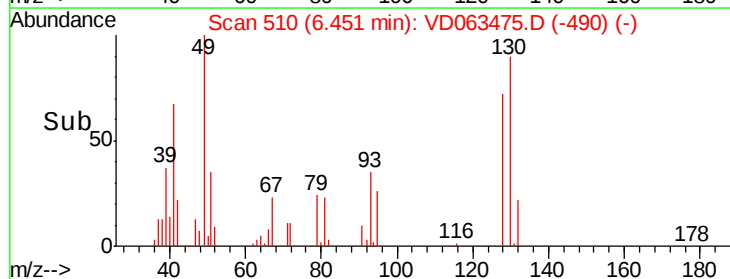
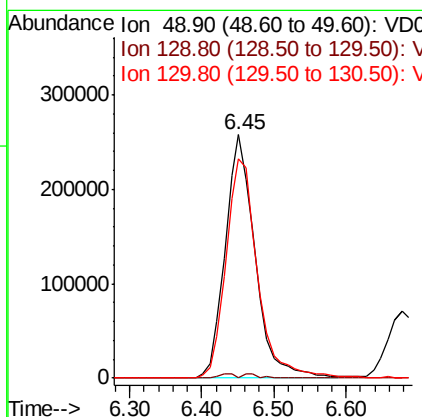
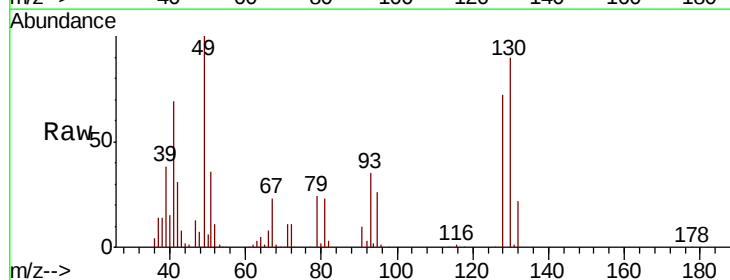
Tgt Ion: 96 Resp: 1115095
 Ion Ratio Lower Upper
 96 100
 61 163.3 0.0 304.0
 98 62.7 0.0 124.8

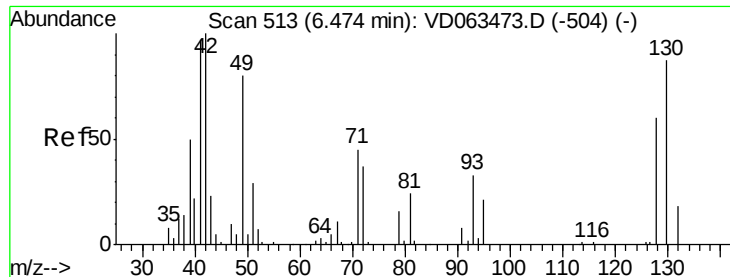


#28

Bromochloromethane
 Concen: 95.481 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

Tgt Ion: 49 Resp: 740989
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 6.4
 130 90.2 72.4 108.6

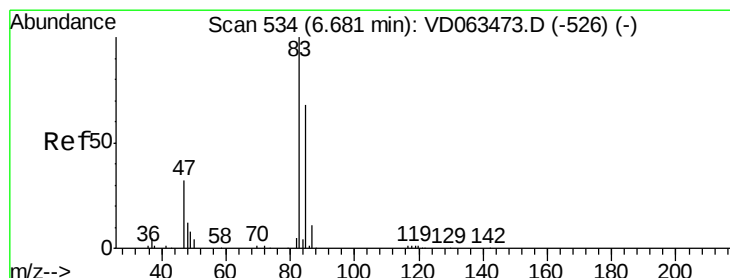
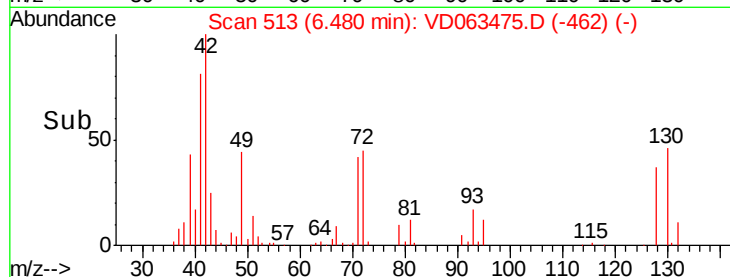
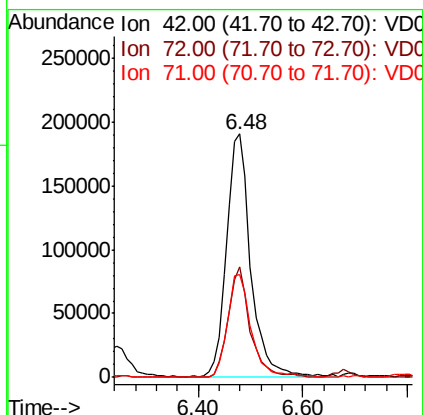
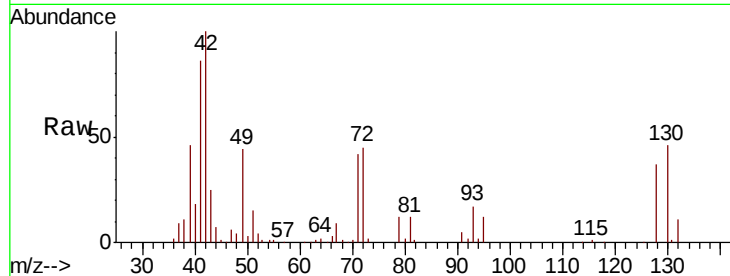




#29
Tetrahydrofuran
Concen: 496.028 ug/l
RT: 6.48 min Scan# 513
Delta R.T. 0.01 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

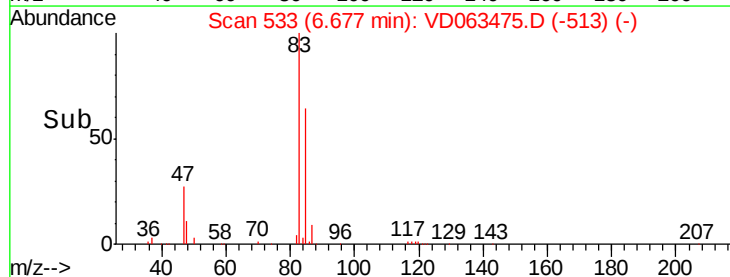
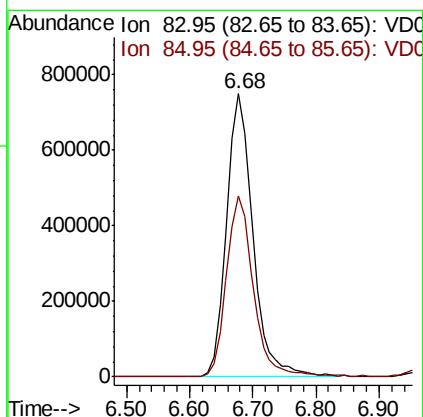
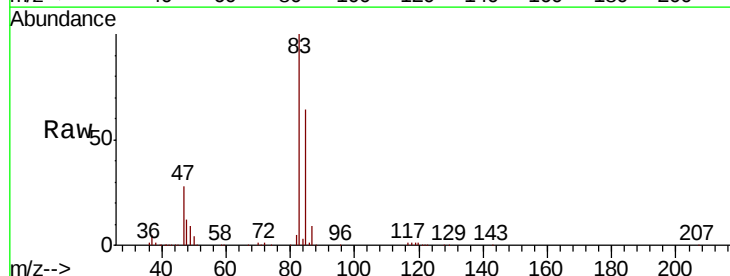
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

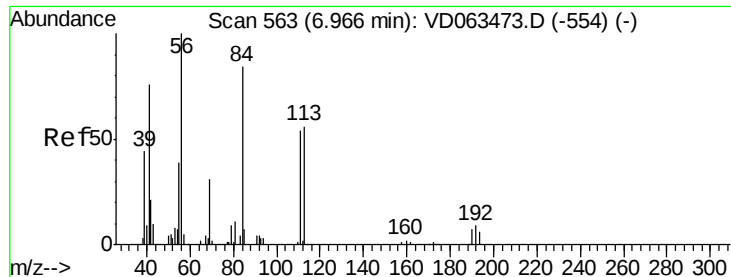
Tgt Ion: 42 Resp: 610923
Ion Ratio Lower Upper
42 100
72 40.9 31.5 47.3
71 41.4 33.8 50.8



#30
Chloroform
Concen: 91.359 ug/l
RT: 6.68 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

Tgt Ion: 83 Resp: 2174535
Ion Ratio Lower Upper
83 100
85 63.9 54.8 82.2

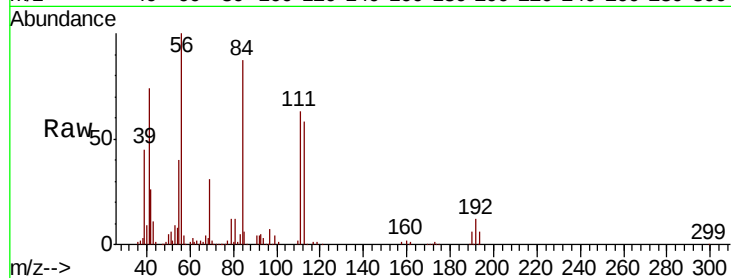




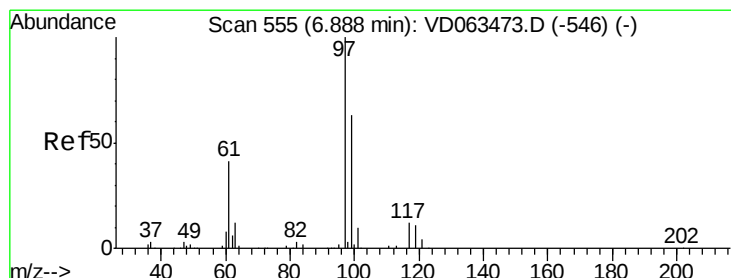
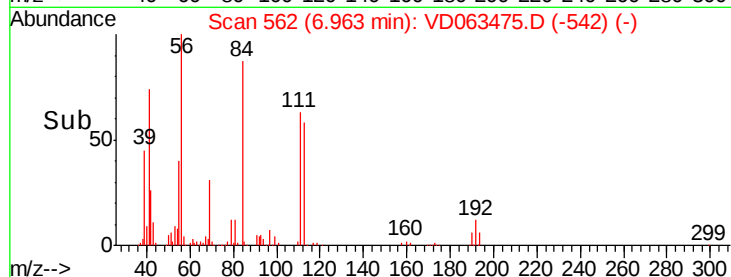
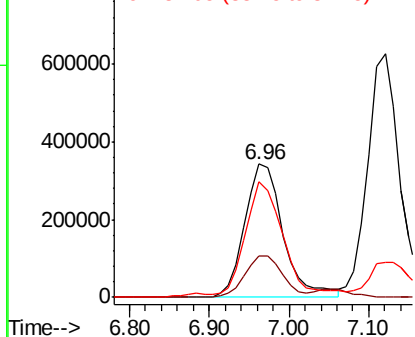
#31
Cyclohexane
Concen: 96.157 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 56 Resp: 1143025
Ion Ratio Lower Upper
56 100
69 31.1 25.0 37.6
84 87.0 69.7 104.5

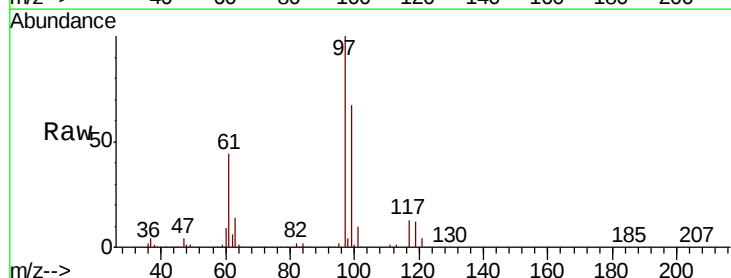


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

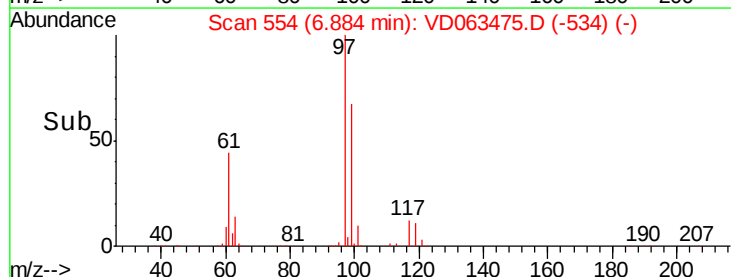
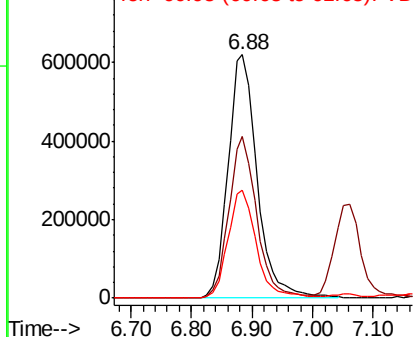


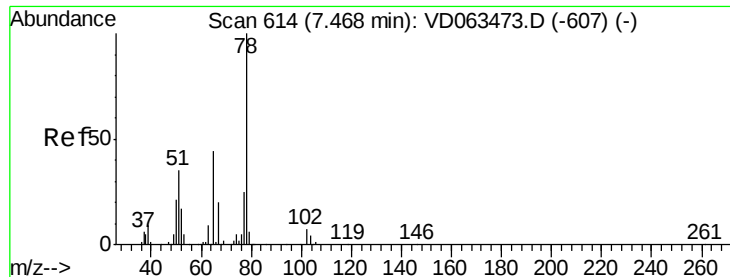
#32
1,1,1-Trichloroethane
Concen: 90.704 ug/l
RT: 6.88 min Scan# 554
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

Tgt Ion: 97 Resp: 2065100
Ion Ratio Lower Upper
97 100
99 66.6 50.2 75.4
61 44.2 33.1 49.7



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

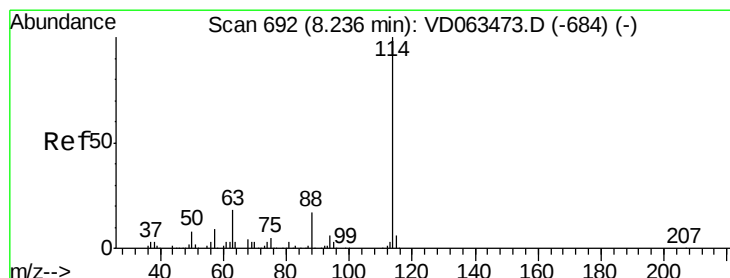
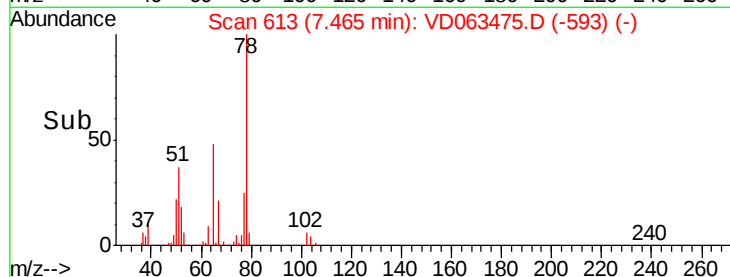
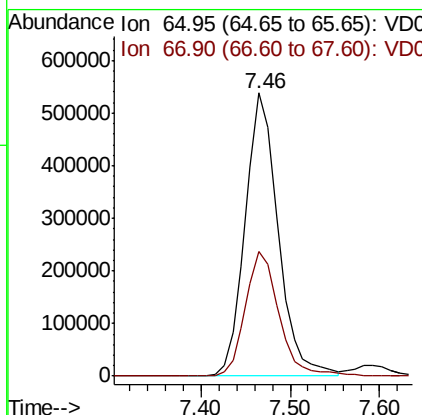
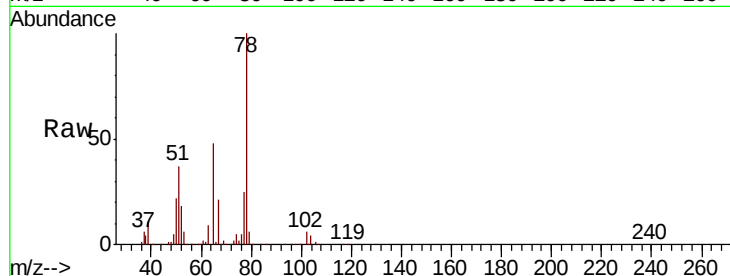




#33
 1,2-Dichloroethane-d4
 Concen: 104.995 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

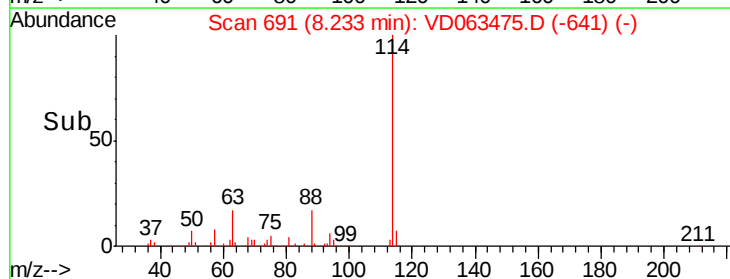
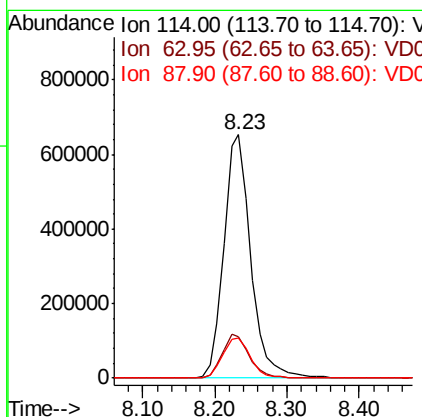
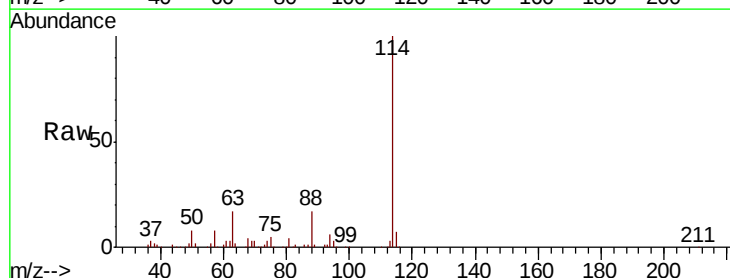
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

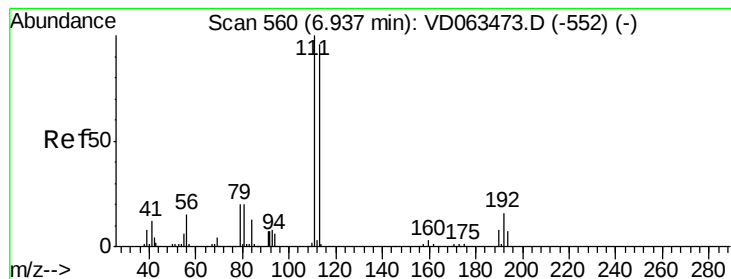
Tgt Ion: 65 Resp: 1382170
 Ion Ratio Lower Upper
 65 100
 67 43.9 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

Tgt Ion: 114 Resp: 1683530
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 36.2
 88 16.6 0.0 35.0





#35

Dibromofluoromethane

Concen: 107.317 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

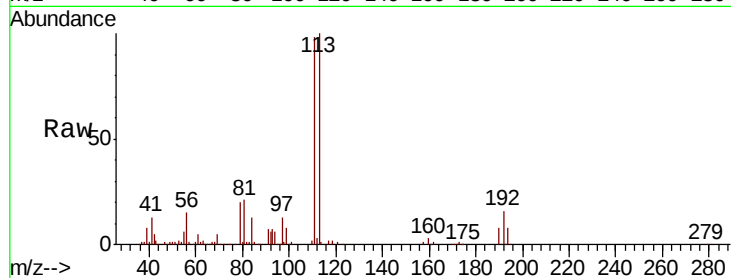
Tgt Ion:113 Resp: 1521622

Ion Ratio Lower Upper

113 100

111 97.8 83.1 124.7

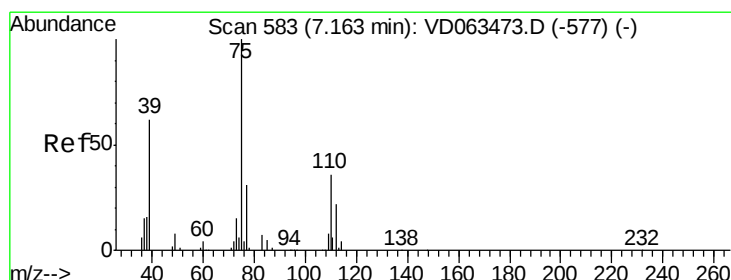
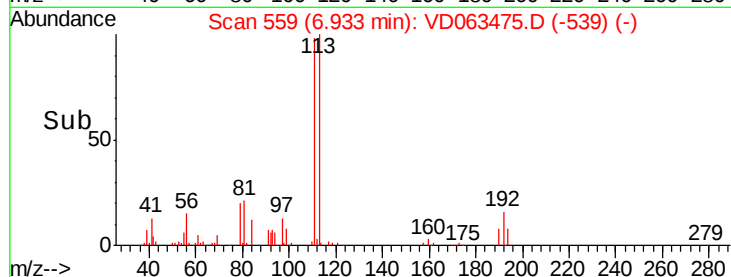
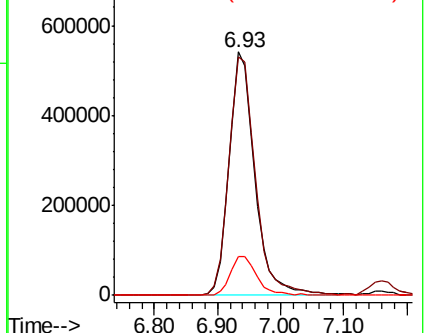
192 16.1 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 98.241 ug/l

RT: 7.16 min Scan# 582

Delta R.T. -0.00 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

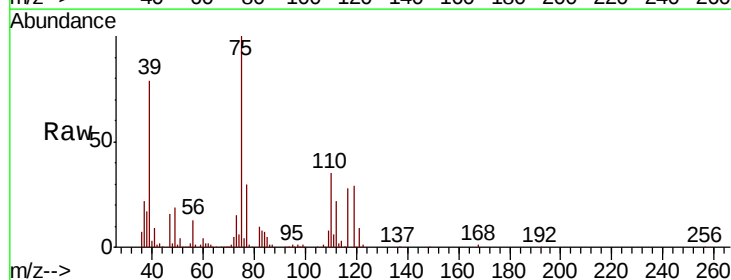
Tgt Ion: 75 Resp: 1462103

Ion Ratio Lower Upper

75 100

110 35.5 17.6 52.8

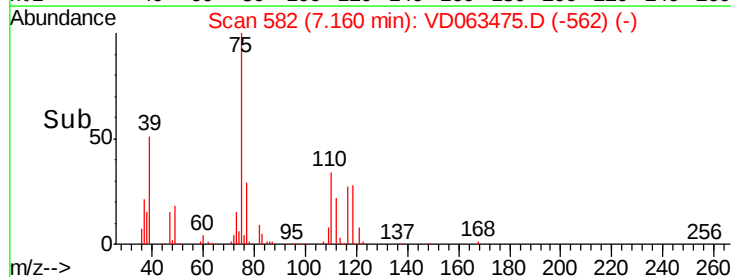
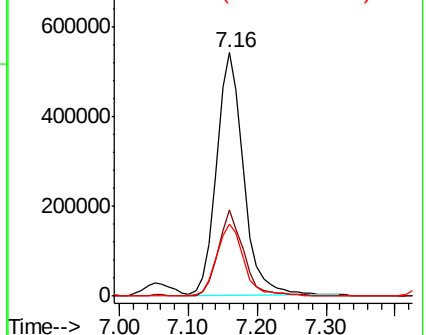
77 29.9 24.3 36.5

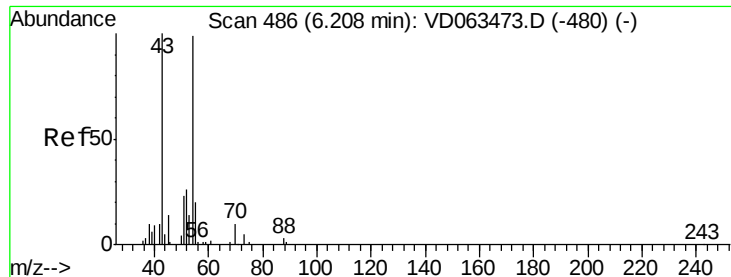


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

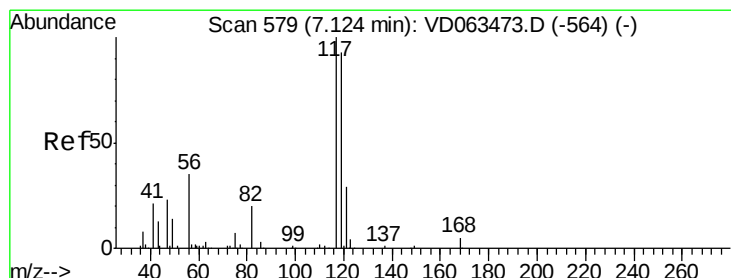
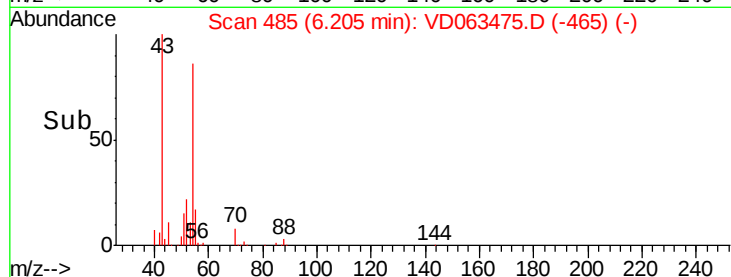
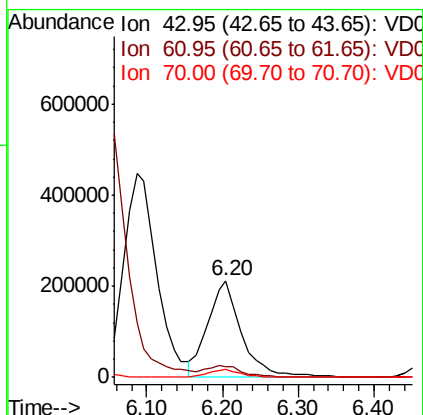
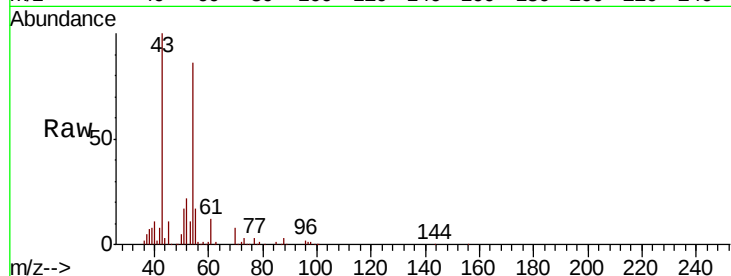




#37
Ethyl Acetate
Concen: 103.816 ug/l
RT: 6.20 min Scan# 485
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

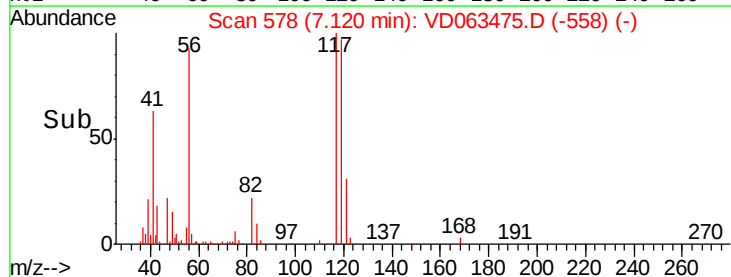
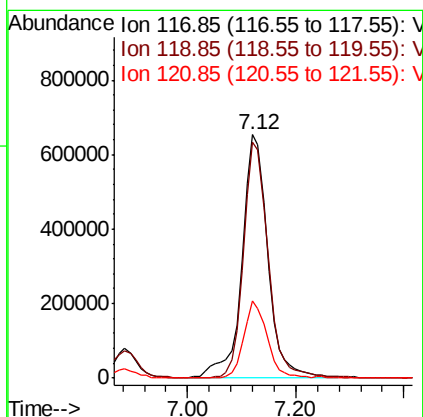
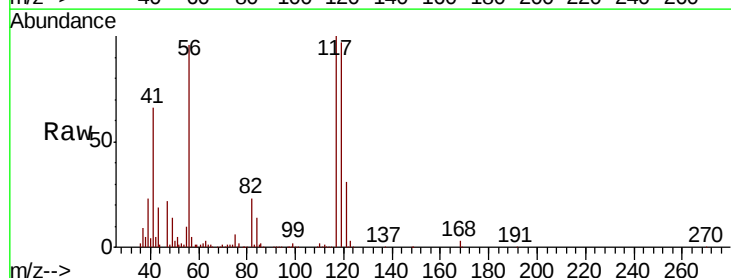
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

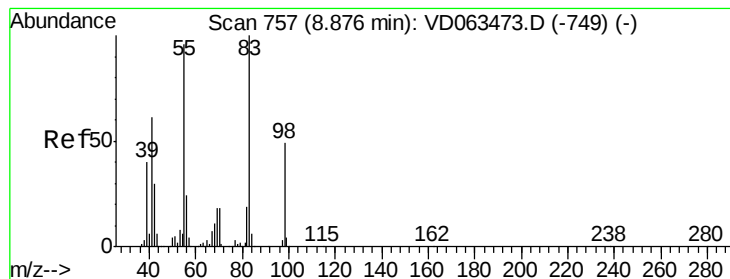
Tgt Ion: 43 Resp: 645862
Ion Ratio Lower Upper
43 100
61 11.6 9.0 13.6
70 8.0 6.9 10.3



#38
Carbon Tetrachloride
Concen: 96.698 ug/l
RT: 7.12 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

Tgt Ion: 117 Resp: 2168958
Ion Ratio Lower Upper
117 100
119 96.9 74.2 111.2
121 31.5 23.1 34.7





#39

Methylcyclohexane

Concen: 100.692 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

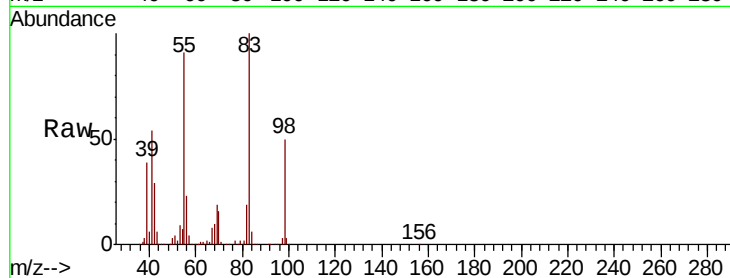
Tgt Ion: 83 Resp: 1274290

Ion Ratio Lower Upper

83 100

55 91.1 76.6 114.8

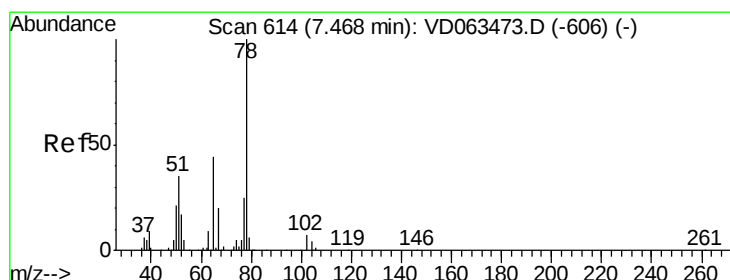
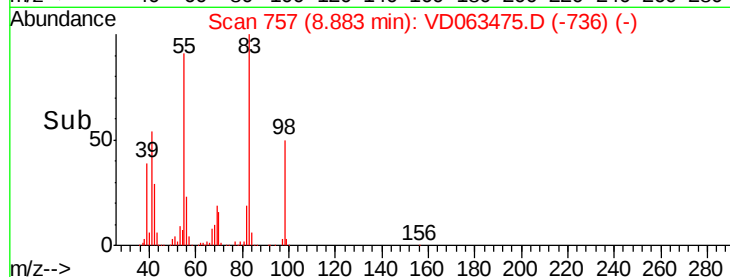
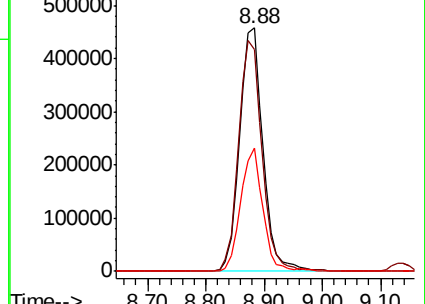
98 50.4 39.4 59.0



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 98.100 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD063475.D

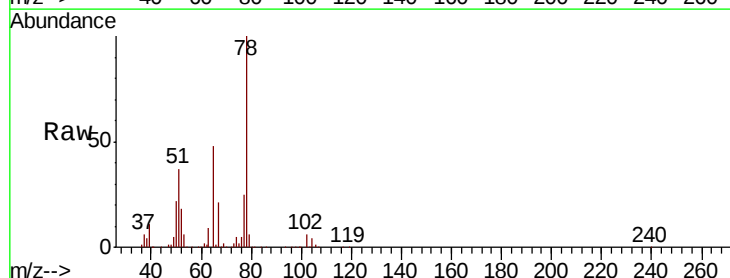
Acq: 9 Aug 2019 15:51

Tgt Ion: 78 Resp: 3212934

Ion Ratio Lower Upper

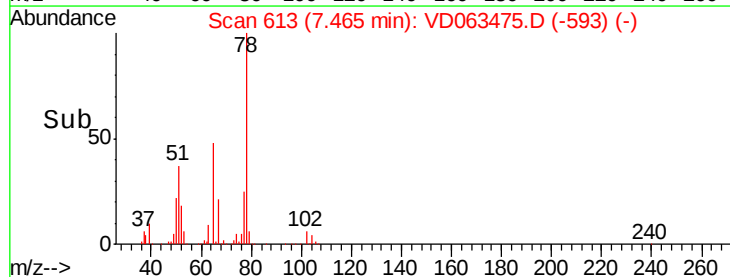
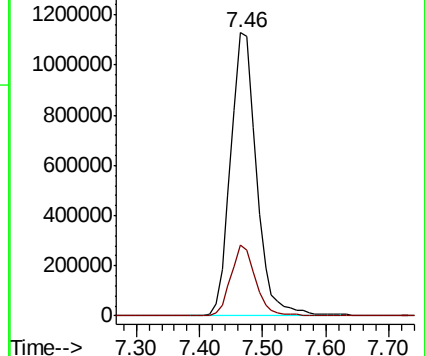
78 100

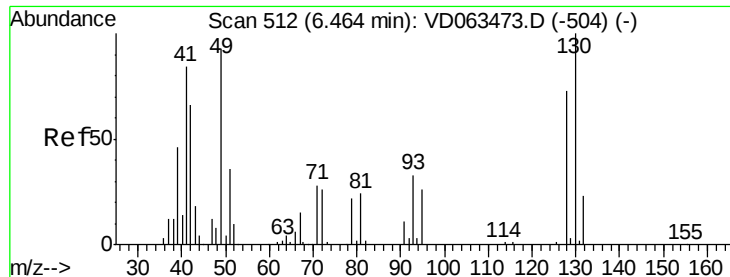
77 25.2 20.1 30.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 98.715 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.01 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 41 Resp: 775135

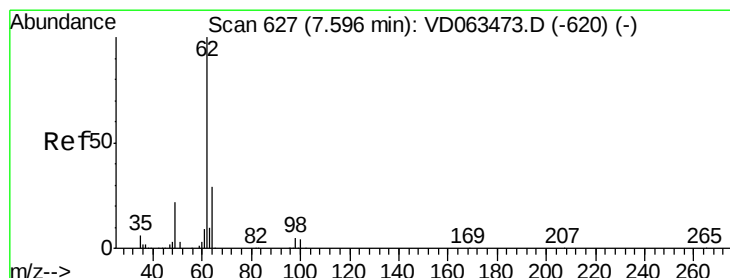
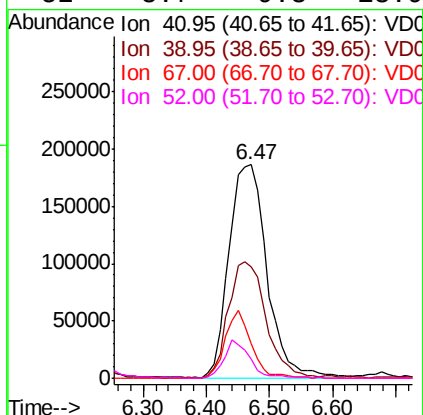
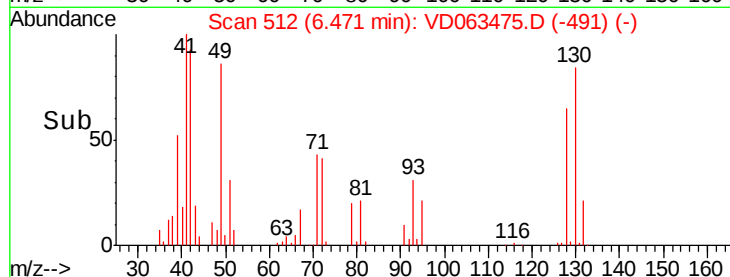
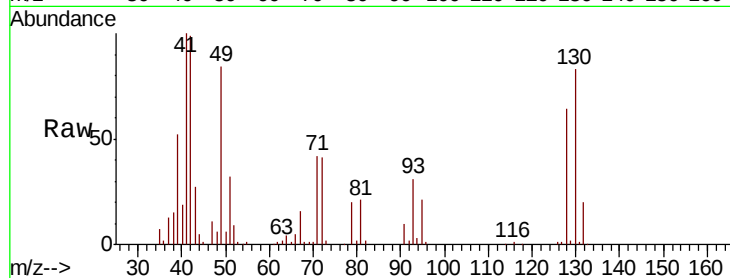
Ion Ratio Lower Upper

41 100

39 52.3 44.6 66.8

67 16.4 14.4 21.6

52 8.7 9.3 13.9#



#42

1,2-Dichloroethane

Concen: 96.180 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.00 min

Lab File: VD063475.D

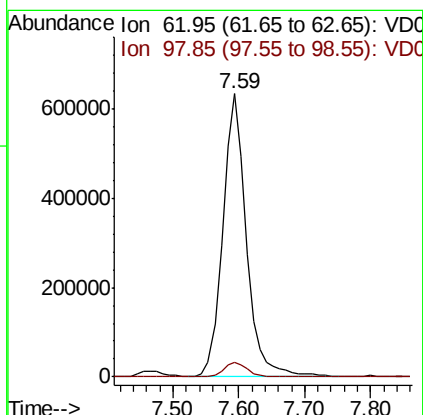
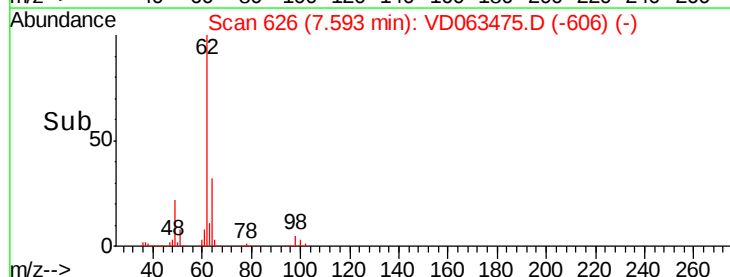
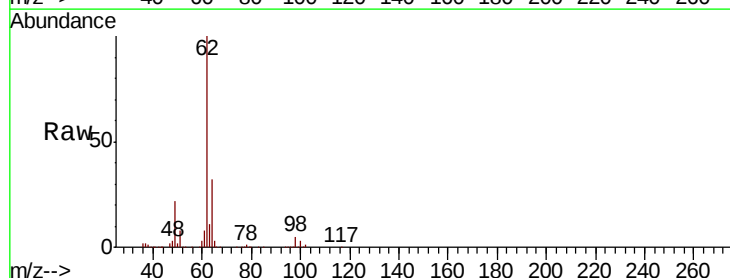
Acq: 9 Aug 2019 15:51

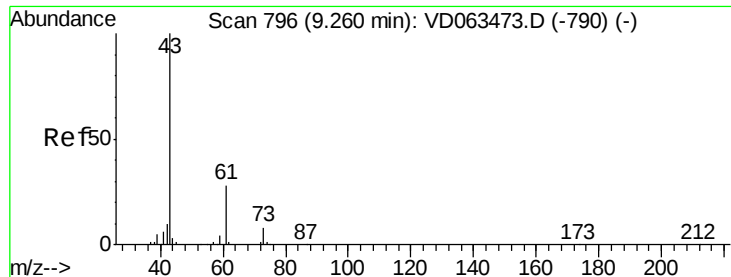
Tgt Ion: 62 Resp: 1583934

Ion Ratio Lower Upper

62 100

98 5.1 0.0 10.4





#43

Isopropyl Acetate

Concen: 100.646 ug/l

RT: 9.26 min Scan# 795

Delta R.T. -0.00 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

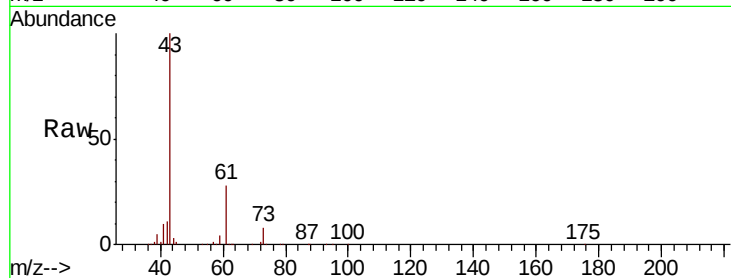
Tgt Ion: 43 Resp: 840644

Ion Ratio Lower Upper

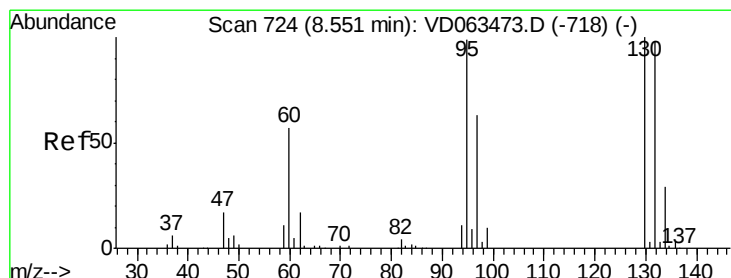
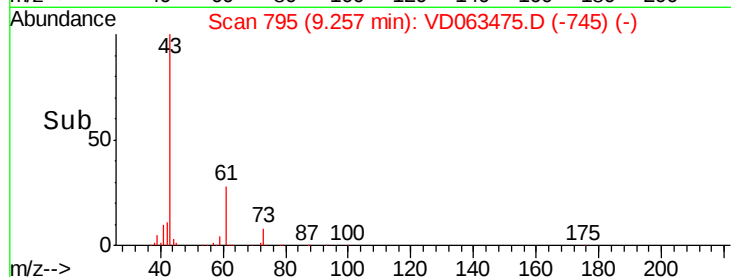
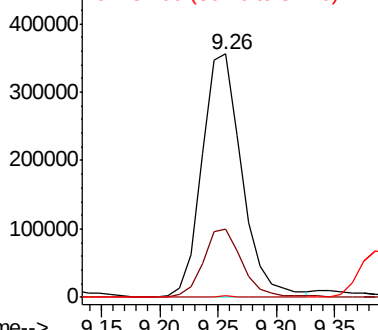
43 100

61 28.3 22.2 33.2

87 0.5 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 99.122 ug/l

RT: 8.55 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD063475.D

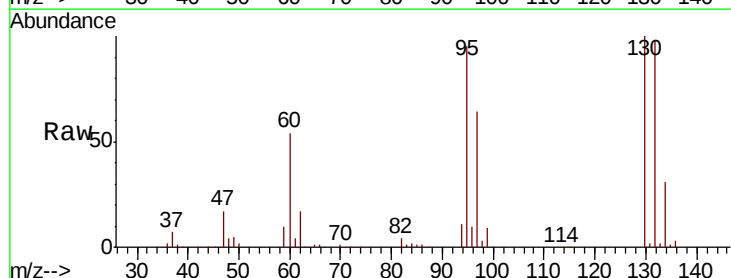
Acq: 9 Aug 2019 15:51

Tgt Ion: 130 Resp: 1241194

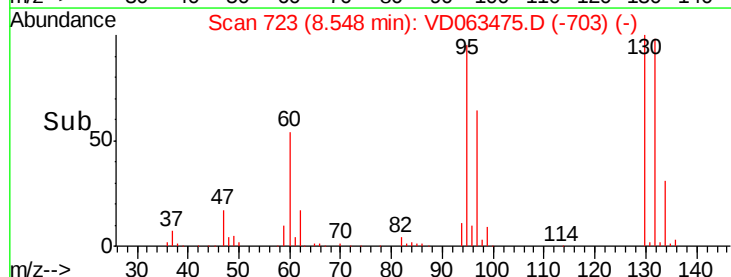
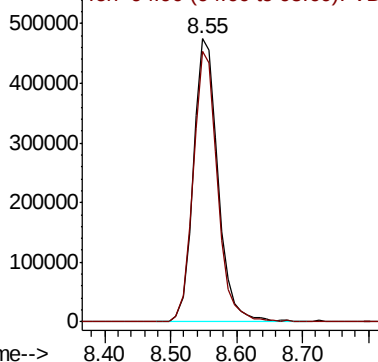
Ion Ratio Lower Upper

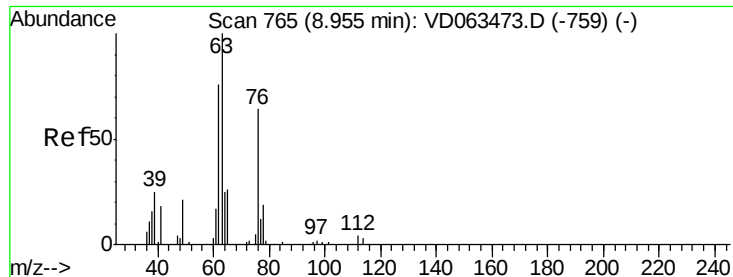
130 100

95 95.5 0.0 198.0



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





#45

1,2-Dichloropropane

Concen: 100.337 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

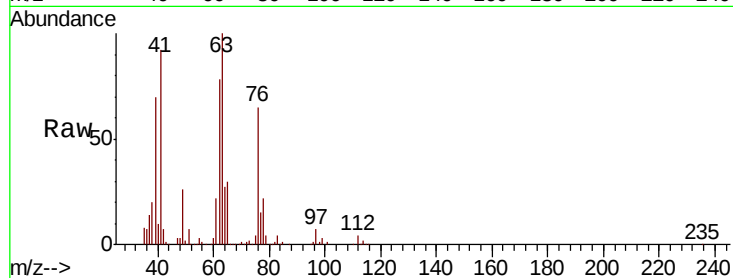
VSTDIC100

Tgt Ion: 63 Resp: 765283

Ion Ratio Lower Upper

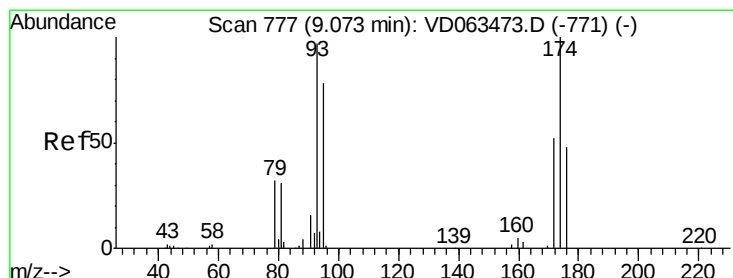
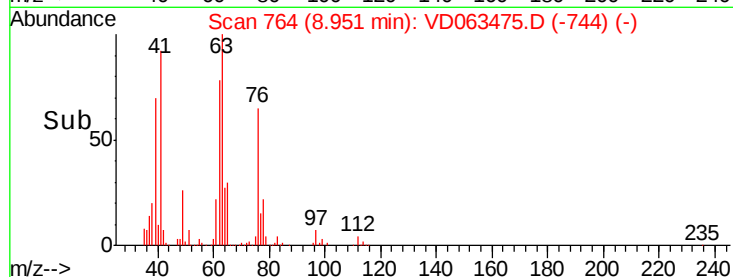
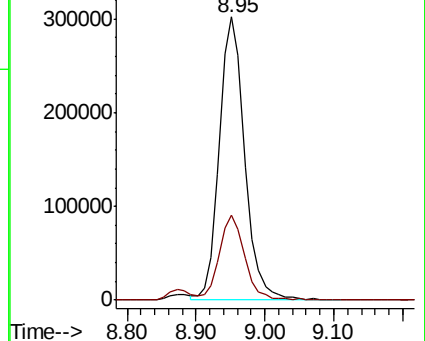
63 100

65 29.9 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 98.878 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

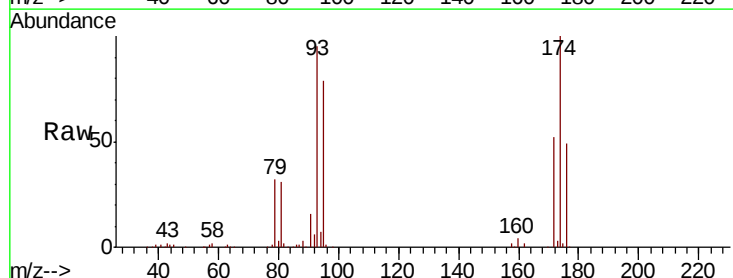
Tgt Ion: 93 Resp: 644034

Ion Ratio Lower Upper

93 100

95 83.5 64.2 96.2

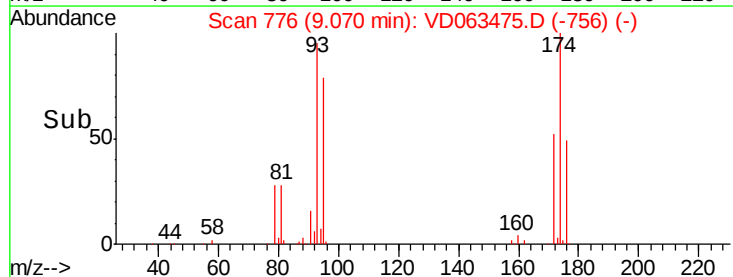
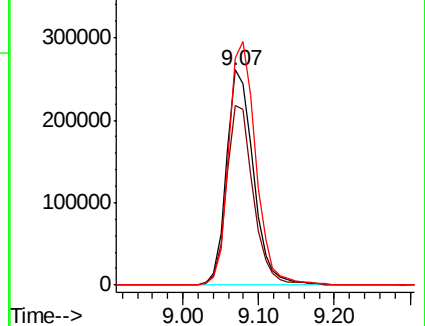
174 105.8 82.1 123.1

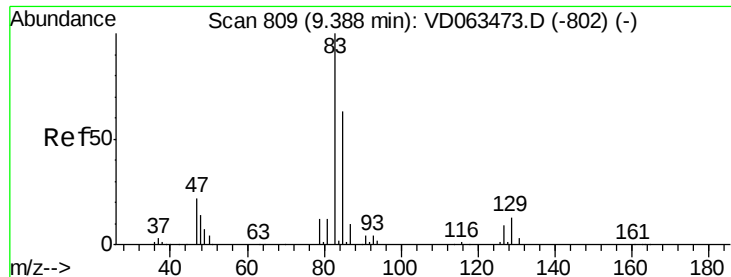


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 102.015 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

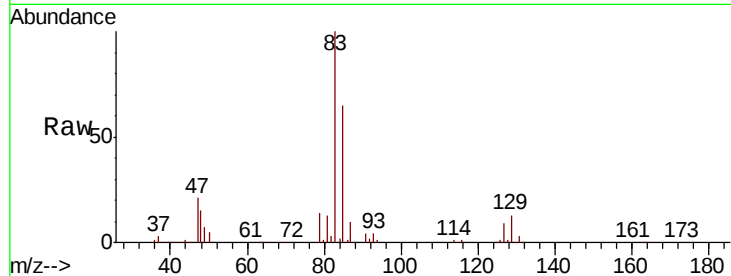
Tgt Ion: 83 Resp: 1704410

Ion Ratio Lower Upper

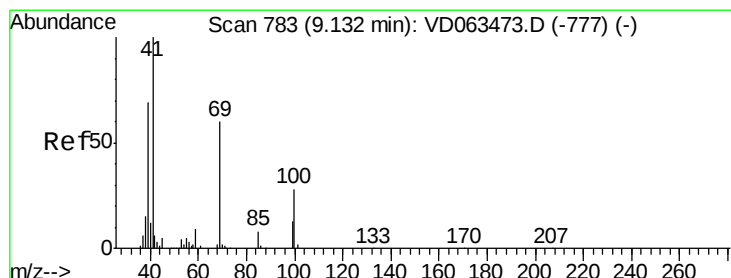
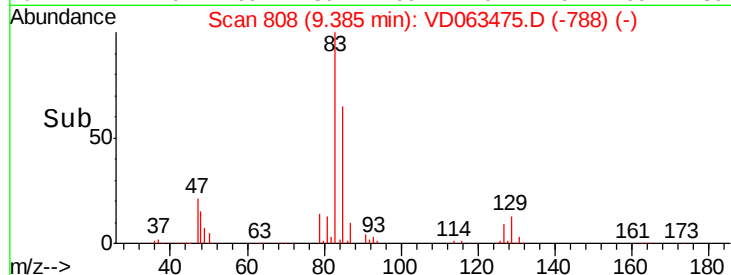
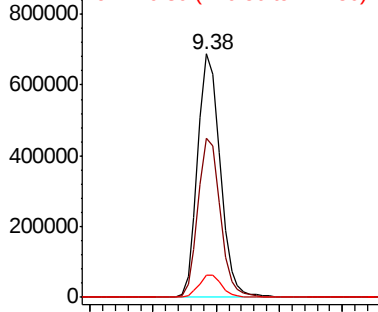
83 100

85 65.3 50.1 75.1

127 9.2 7.6 11.4



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 105.402 ug/l

RT: 9.14 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

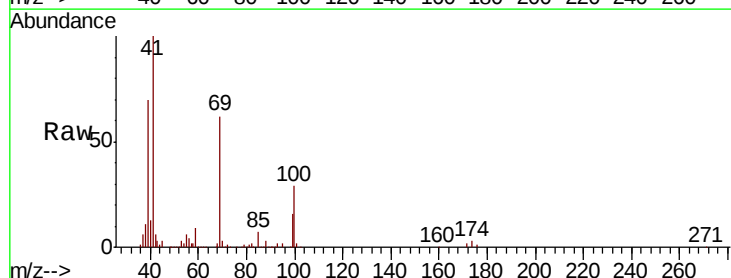
Tgt Ion: 41 Resp: 597045

Ion Ratio Lower Upper

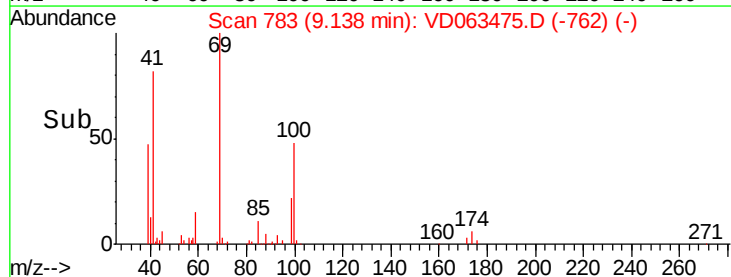
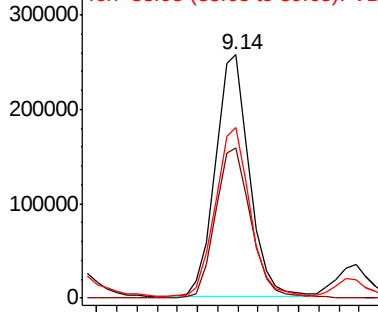
41 100

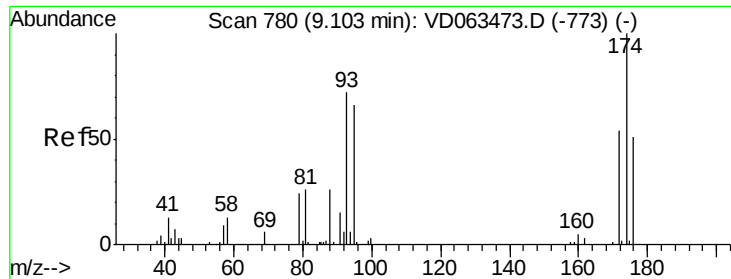
69 61.6 47.6 71.4

39 70.3 55.7 83.5



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

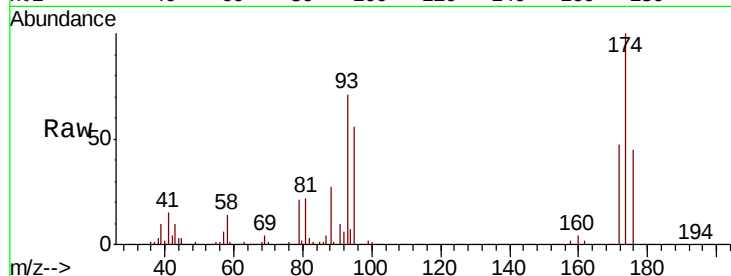




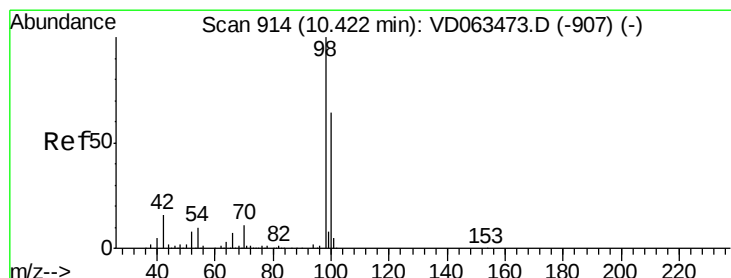
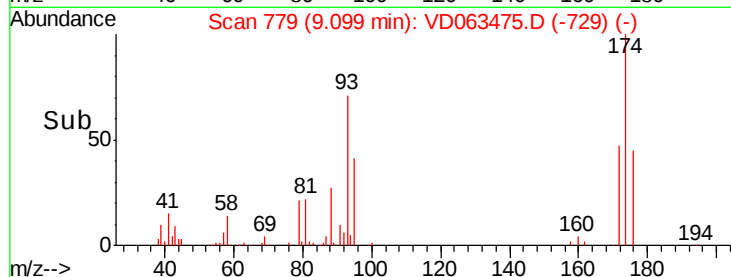
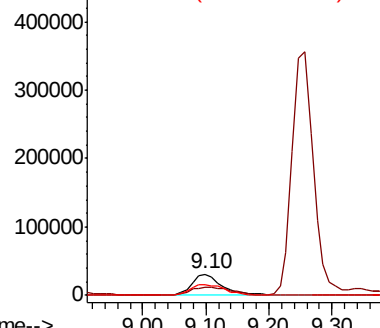
#49
1,4-Dioxane
Concen: 2108.730 ug/l
RT: 9.10 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 88 Resp: 101642
Ion Ratio Lower Upper
88 100
43 36.3 22.9 34.3#
58 52.0 40.1 60.1

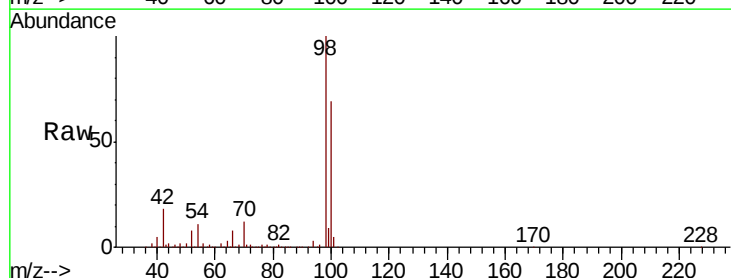


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

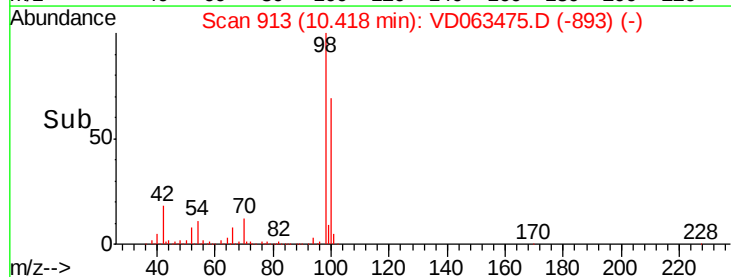
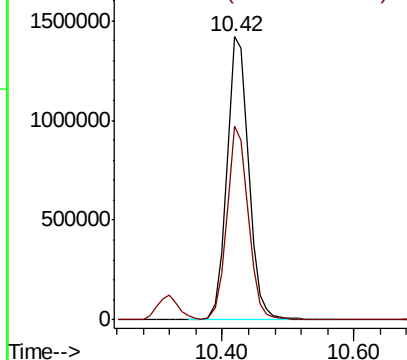


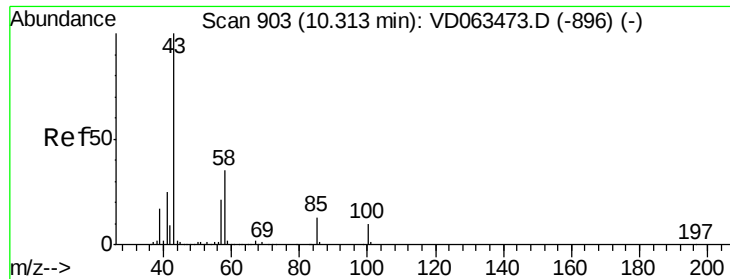
#50
Toluene-d8
Concen: 105.961 ug/l
RT: 10.42 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

Tgt Ion: 98 Resp: 3303103
Ion Ratio Lower Upper
98 100
100 68.6 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

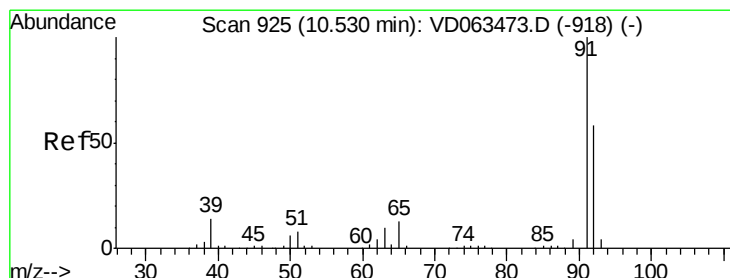
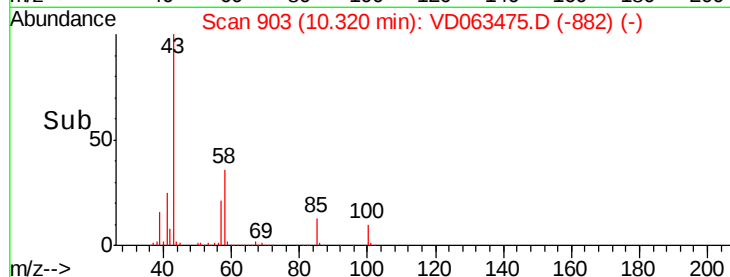
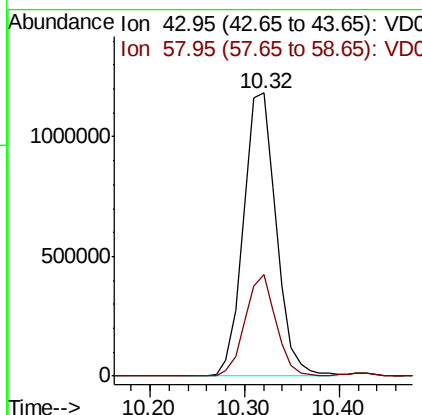
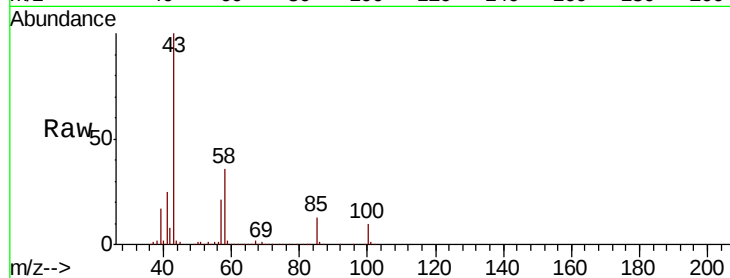




#51
4-Methyl-2-Pentanone
Concen: 497.225 ug/l
RT: 10.32 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

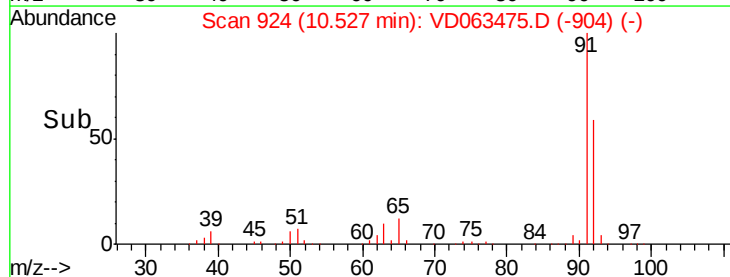
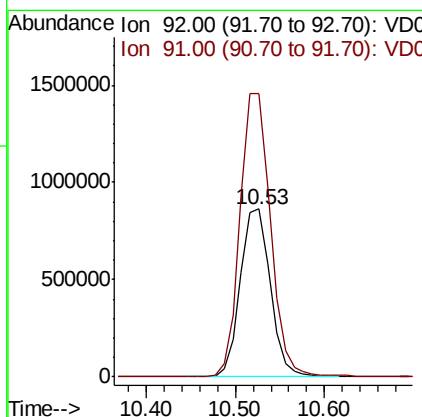
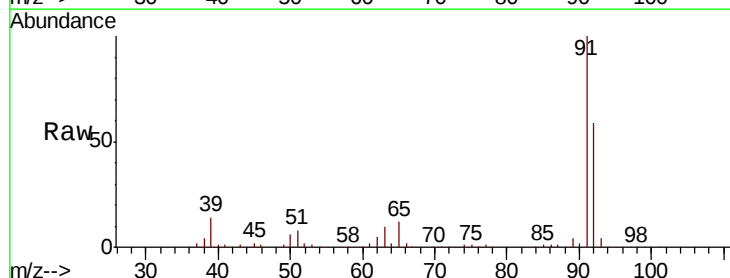
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

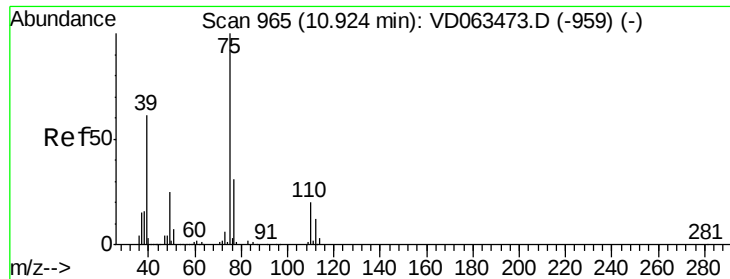
Tgt Ion: 43 Resp: 2841822
Ion Ratio Lower Upper
43 100
58 35.7 28.0 42.0



#52
Toluene
Concen: 96.018 ug/l
RT: 10.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

Tgt Ion: 92 Resp: 2025533
Ion Ratio Lower Upper
92 100
91 168.7 137.9 206.9

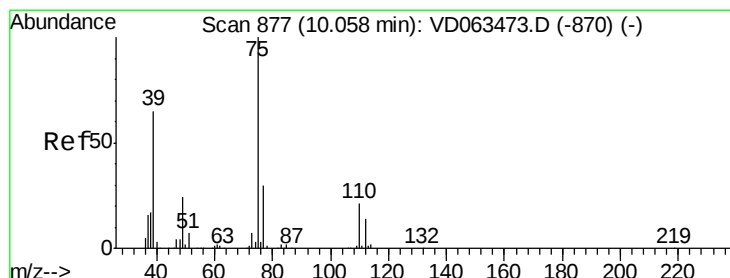
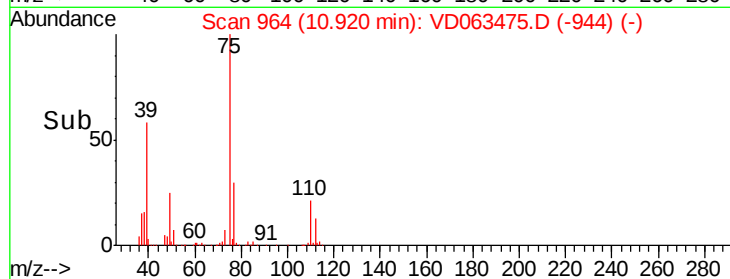
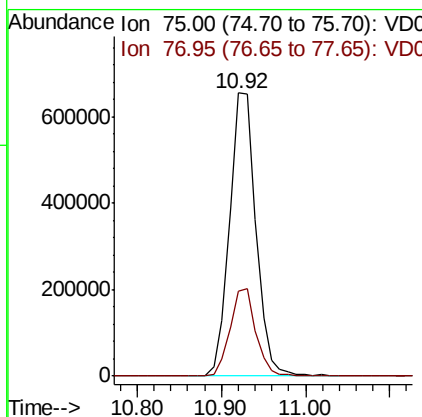
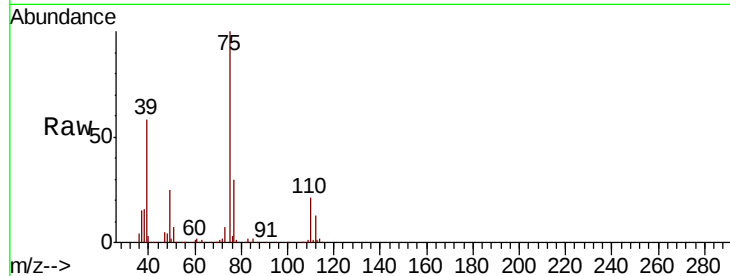




#53
 t-1,3-Dichloropropene
 Concen: 104.995 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

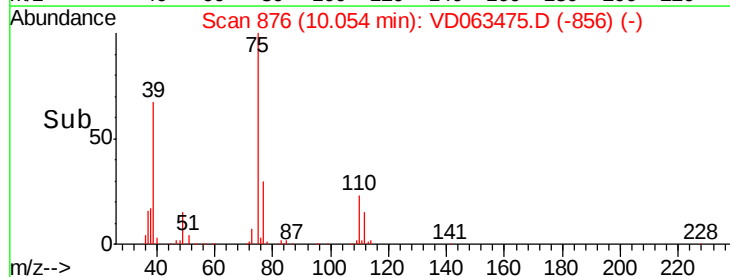
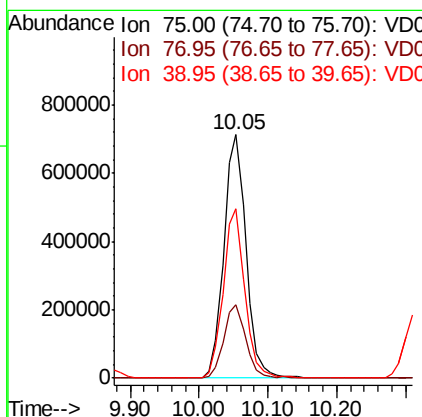
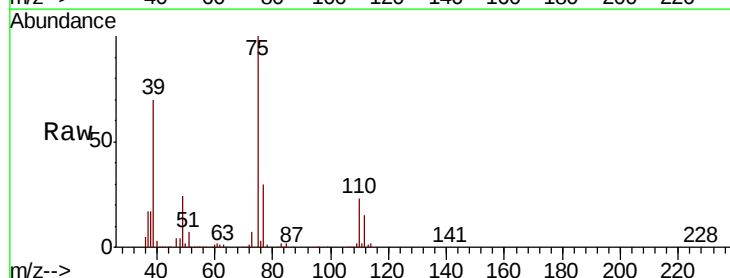
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

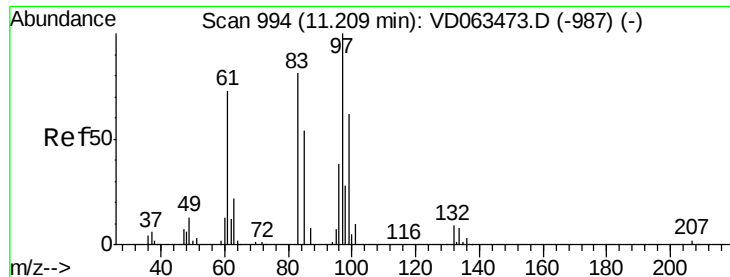
Tgt Ion: 75 Resp: 1431601
 Ion Ratio Lower Upper
 75 100
 77 30.2 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 103.021 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

Tgt Ion: 75 Resp: 1583889
 Ion Ratio Lower Upper
 75 100
 77 30.3 23.7 35.5
 39 69.7 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 97.973 ug/l

RT: 11.21 min Scan# 993

Delta R.T. -0.00 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 698141

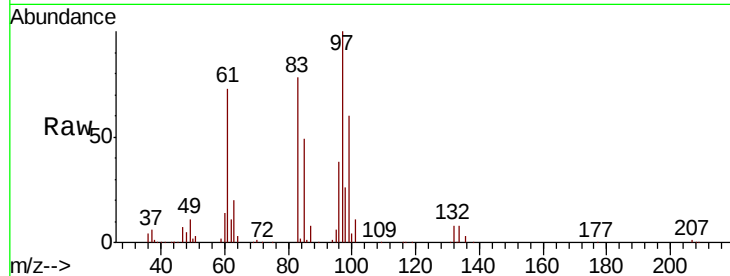
Ion Ratio Lower Upper

97 100

83 77.6 64.7 97.1

85 49.3 42.9 64.3

99 59.6 49.7 74.5

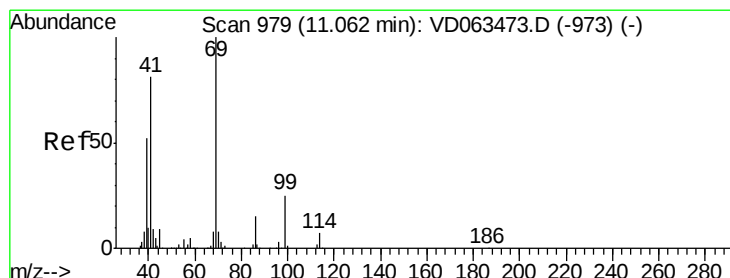
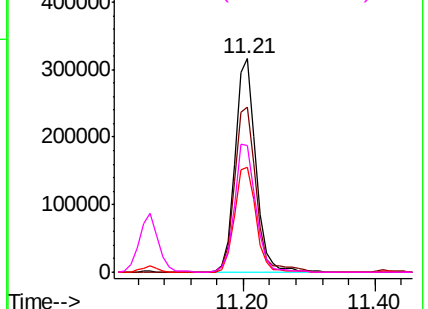
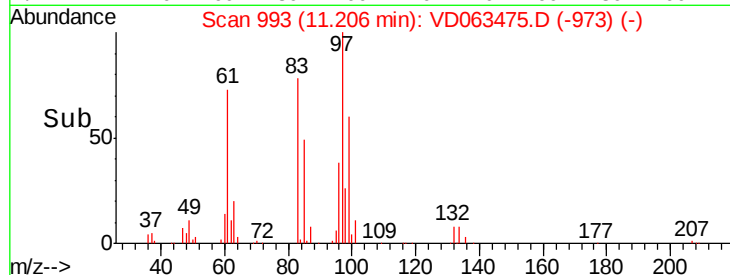


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 102.590 ug/l

RT: 11.06 min Scan# 978

Delta R.T. -0.00 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

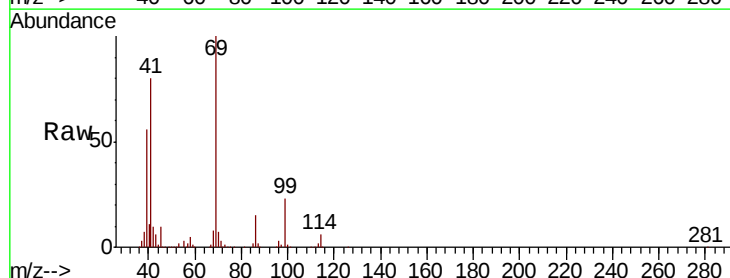
Tgt Ion: 69 Resp: 793472

Ion Ratio Lower Upper

69 100

41 80.4 64.8 97.2

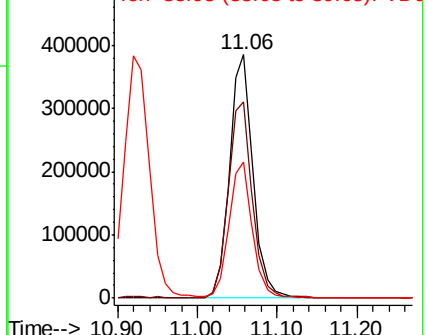
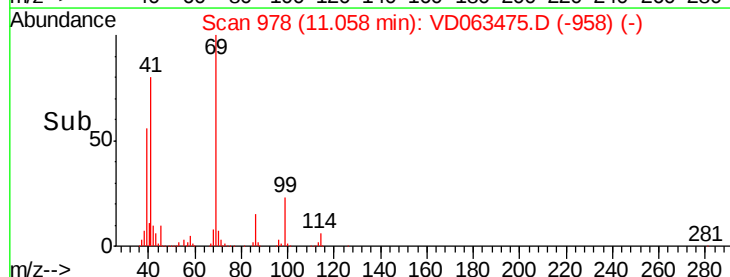
39 55.7 42.4 63.6

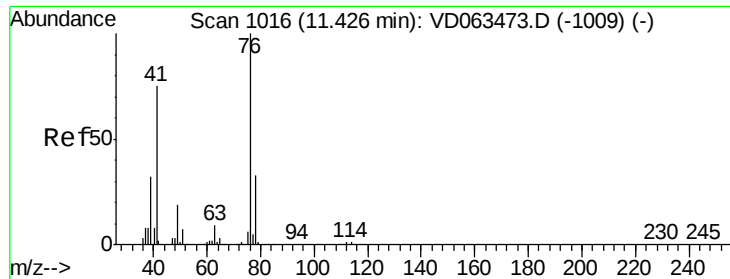


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

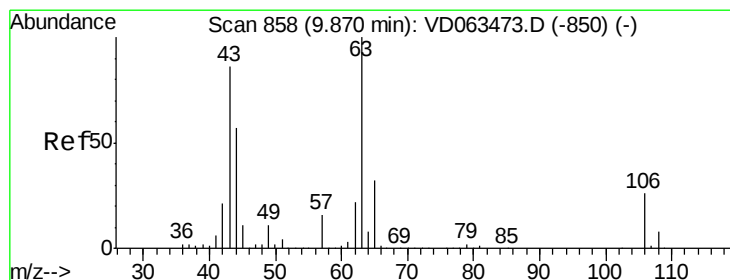
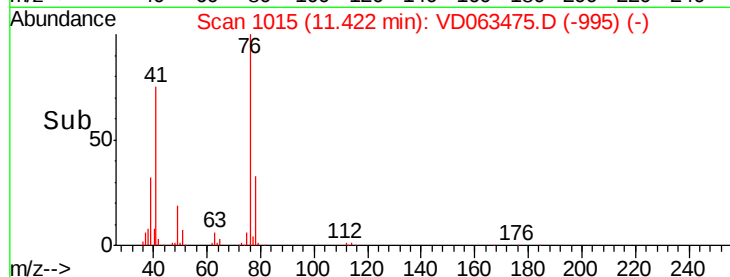
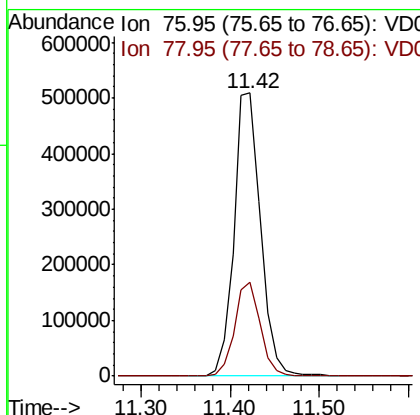
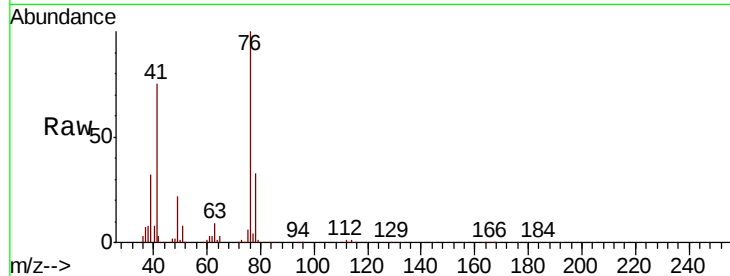




#57
 1,3-Dichloropropane
 Concen: 98.668 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

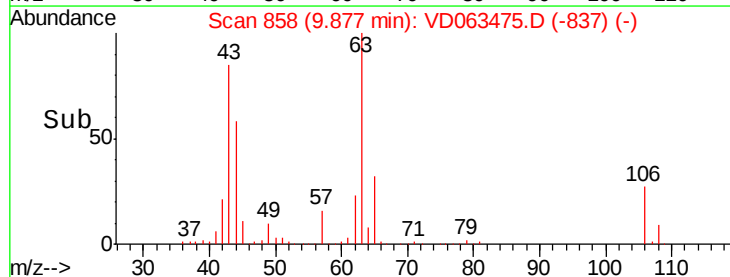
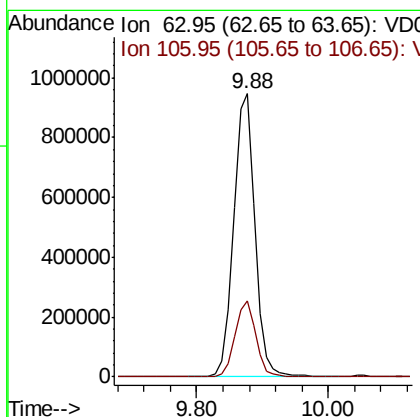
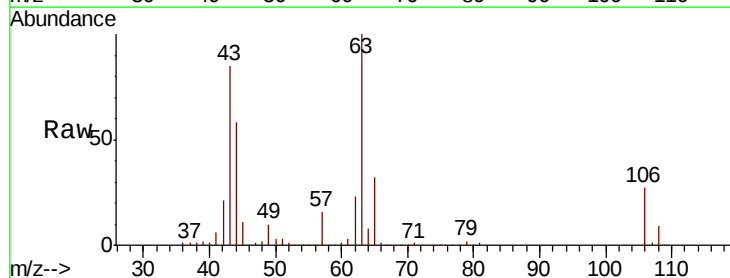
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

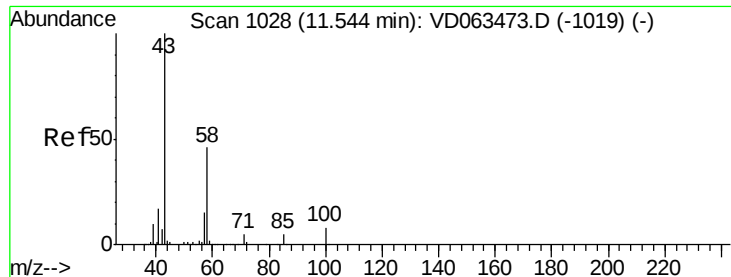
Tgt Ion: 76 Resp: 1062788
 Ion Ratio Lower Upper
 76 100
 78 33.2 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 525.615 ug/l
 RT: 9.88 min Scan# 858
 Delta R.T. 0.01 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

Tgt Ion: 63 Resp: 2146217
 Ion Ratio Lower Upper
 63 100
 106 26.8 20.8 31.2

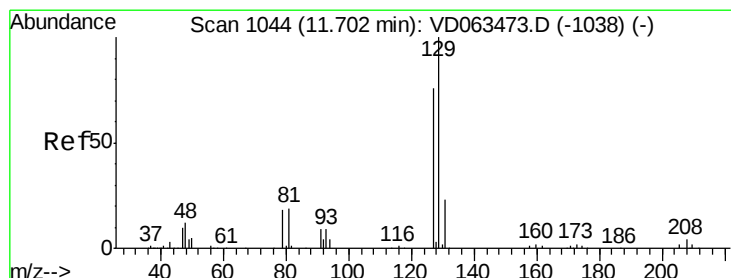
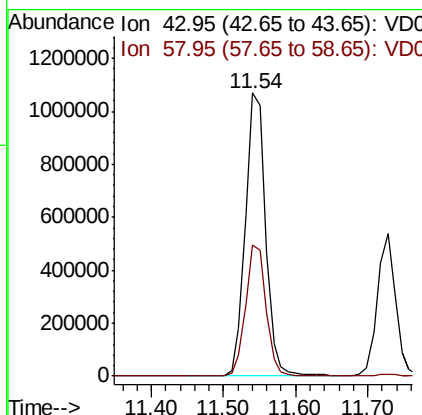
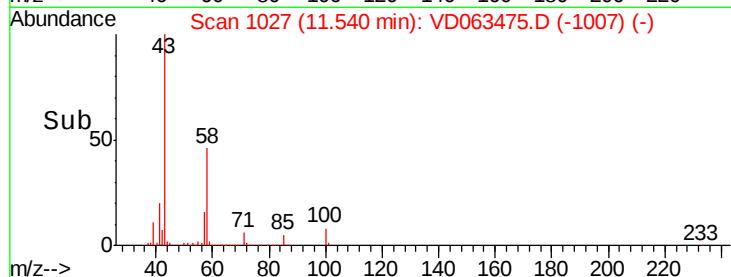
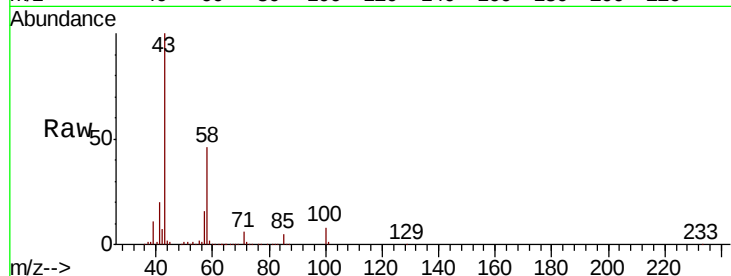




#59
2-Hexanone
Concen: 510.259 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

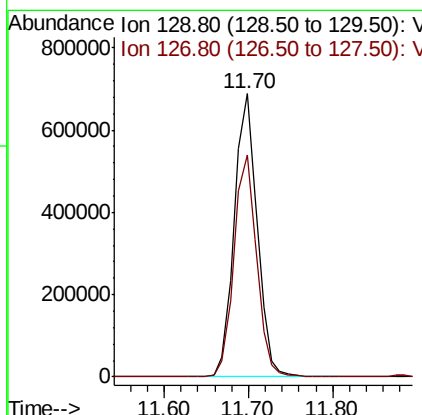
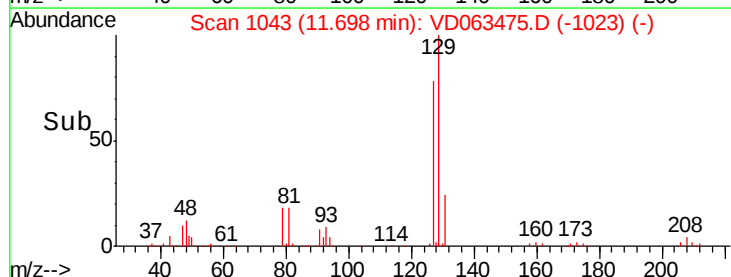
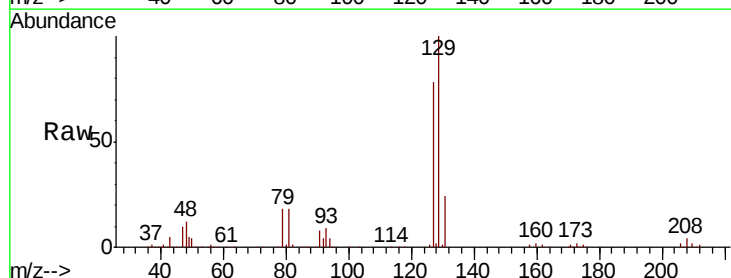
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

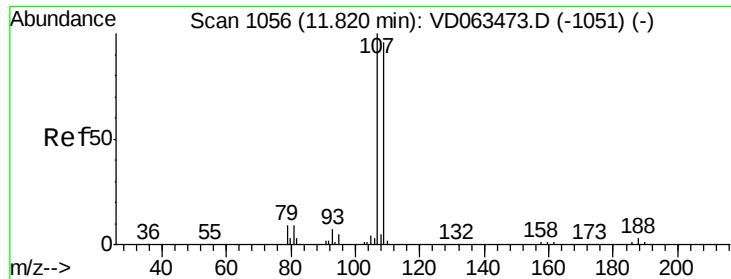
Tgt Ion: 43 Resp: 2121988
Ion Ratio Lower Upper
43 100
58 46.1 23.1 69.2



#60
Dibromochloromethane
Concen: 100.757 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

Tgt Ion: 129 Resp: 1306479
Ion Ratio Lower Upper
129 100
127 78.3 37.8 113.4

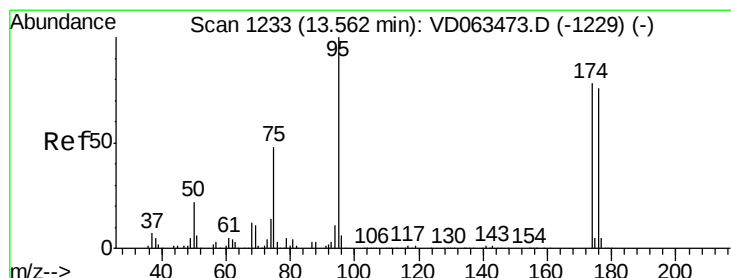
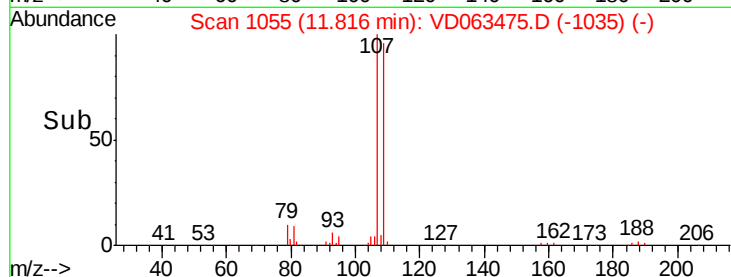
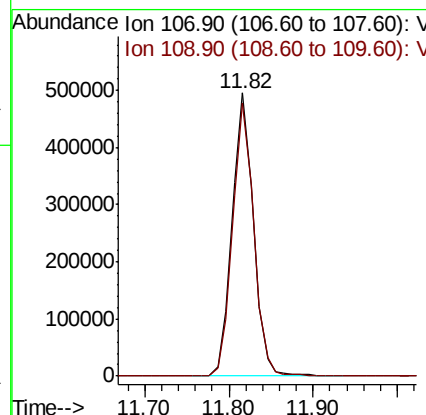
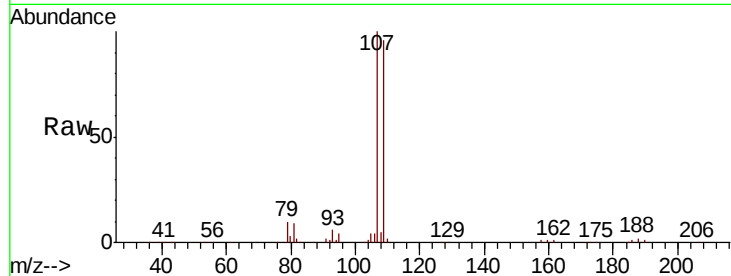




#61
 1,2-Dibromoethane
 Concen: 100.992 ug/l
 RT: 11.82 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

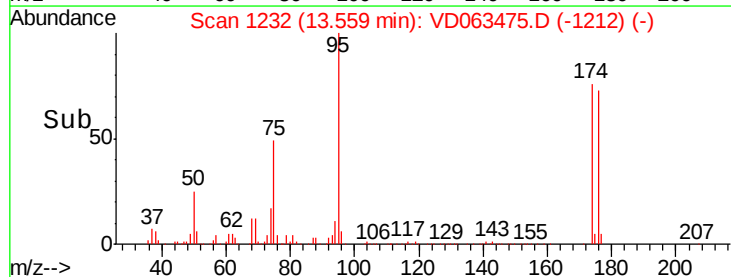
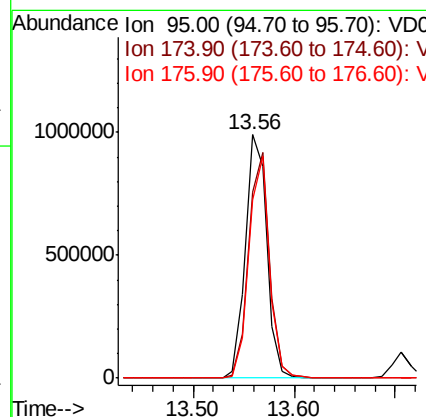
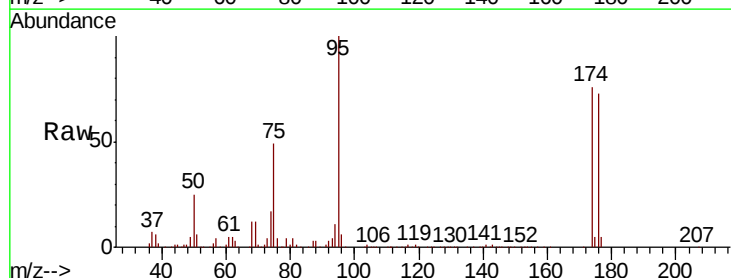
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

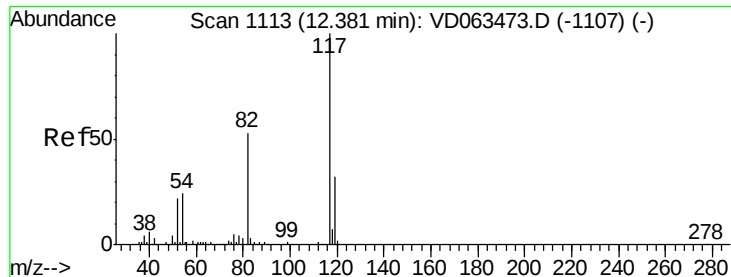
Tgt Ion: 107 Resp: 871203
 Ion Ratio Lower Upper
 107 100
 109 96.4 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 103.590 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

Tgt Ion: 95 Resp: 1463604
 Ion Ratio Lower Upper
 95 100
 174 76.5 0.0 155.4
 176 73.3 0.0 152.4

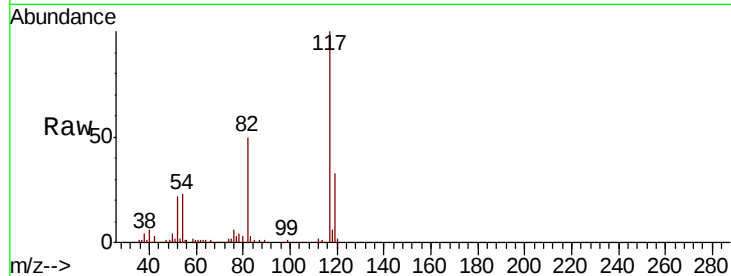




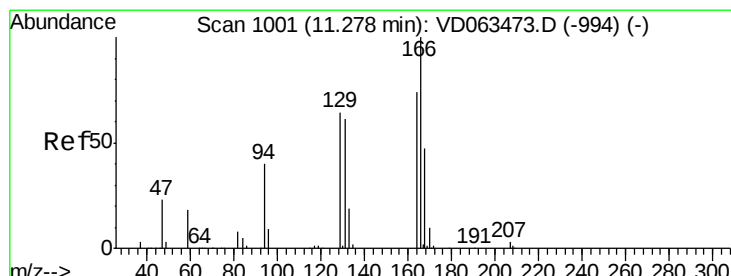
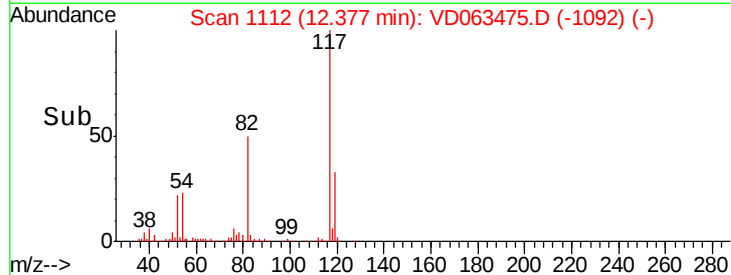
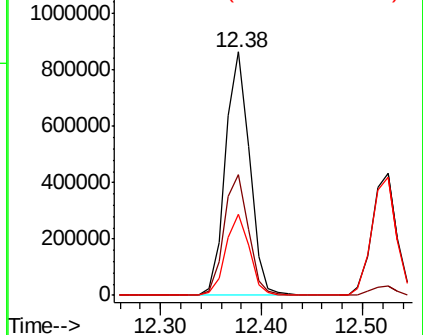
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 1434095
Ion Ratio Lower Upper
117 100
82 49.8 42.0 63.0
119 33.3 25.4 38.0

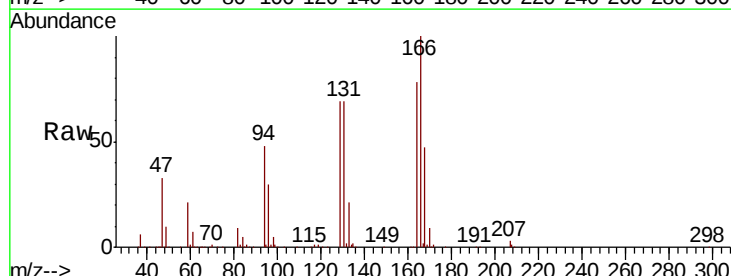


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

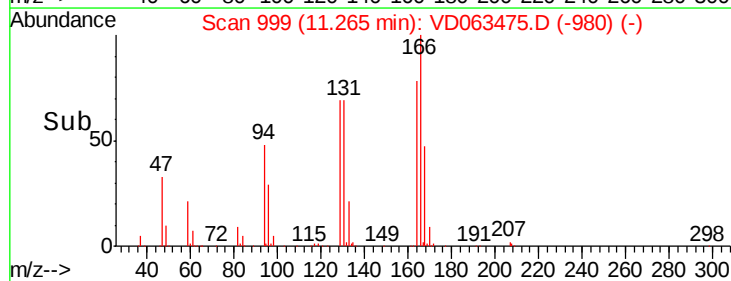
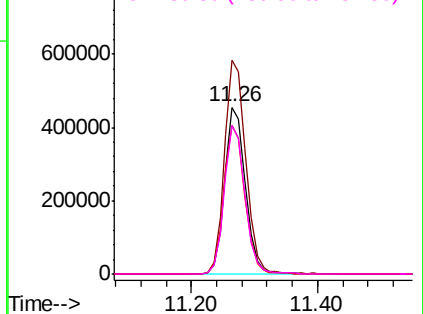


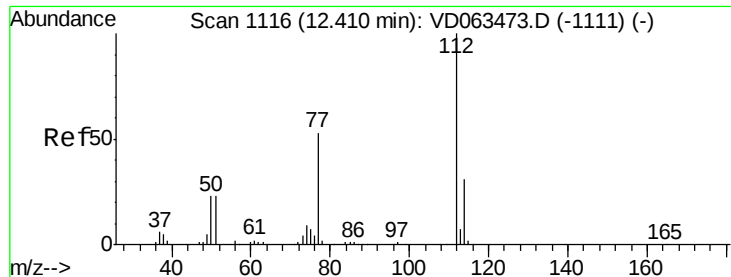
#64
Tetrachloroethene
Concen: 93.204 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

Tgt Ion:164 Resp: 1031850
Ion Ratio Lower Upper
164 100
166 127.9 108.6 163.0
129 88.9 69.0 103.6
131 88.7 66.6 99.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

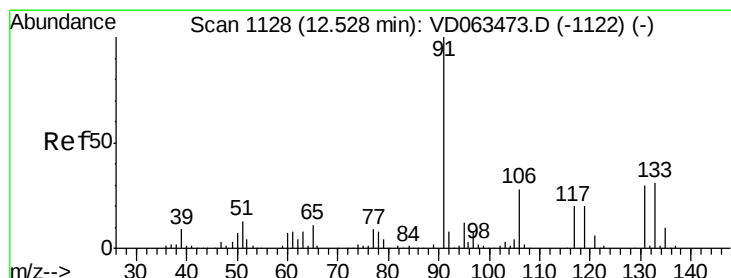
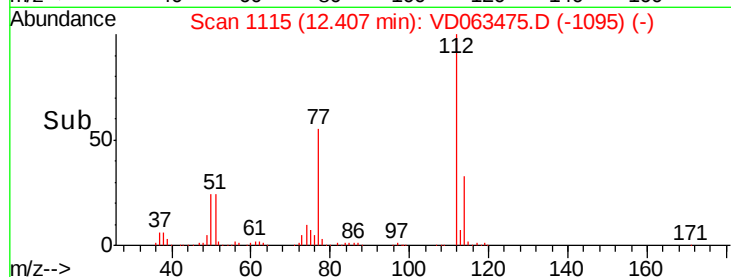
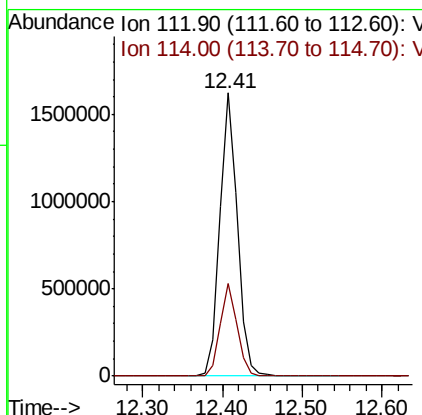
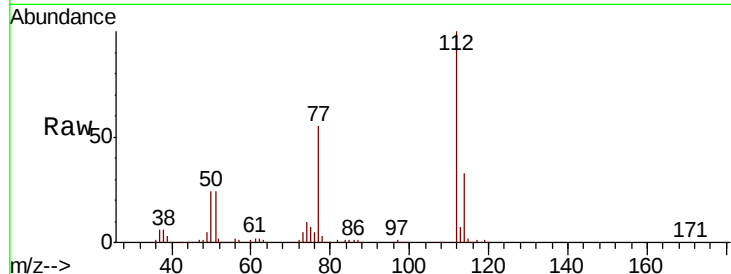




#65
Chlorobenzene
Concen: 94.209 ug/l
RT: 12.41 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

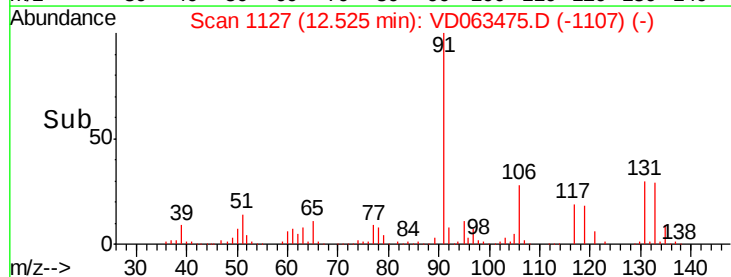
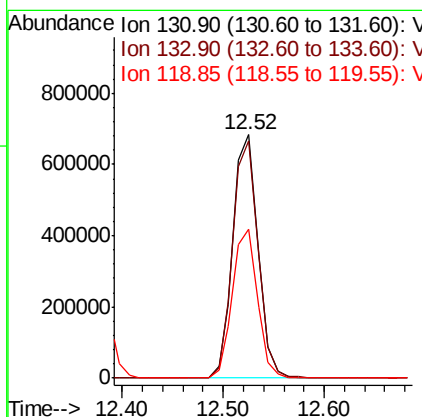
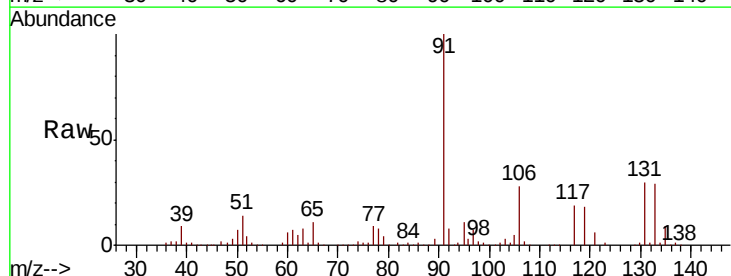
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

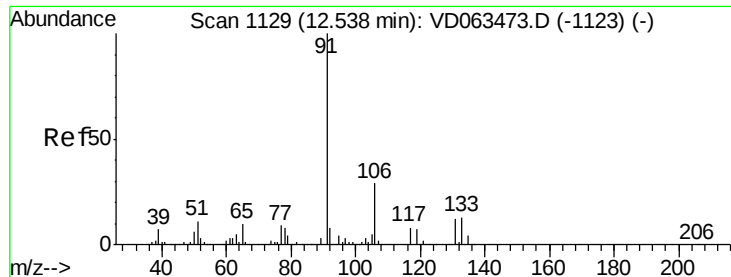
Tgt Ion:112 Resp: 2532196
Ion Ratio Lower Upper
112 100
114 32.6 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 100.197 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

Tgt Ion:131 Resp: 1185236
Ion Ratio Lower Upper
131 100
133 97.3 51.1 153.3
119 61.0 33.1 99.3

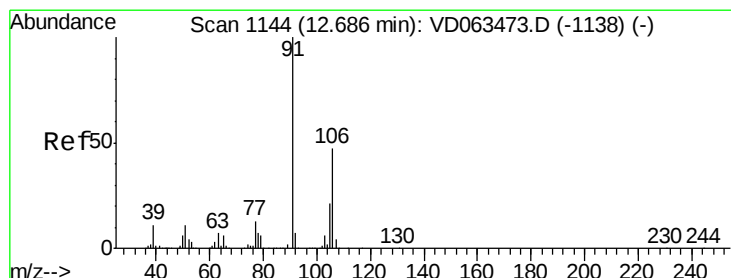
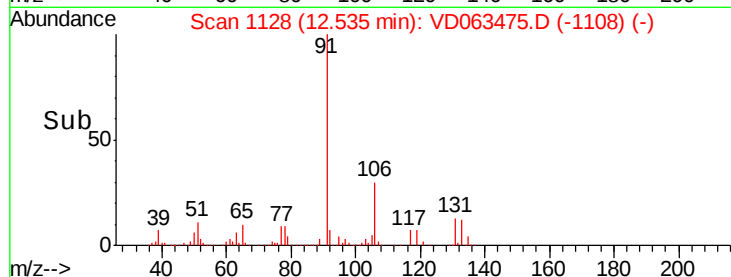
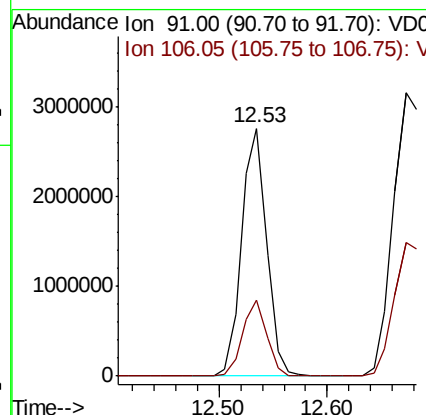
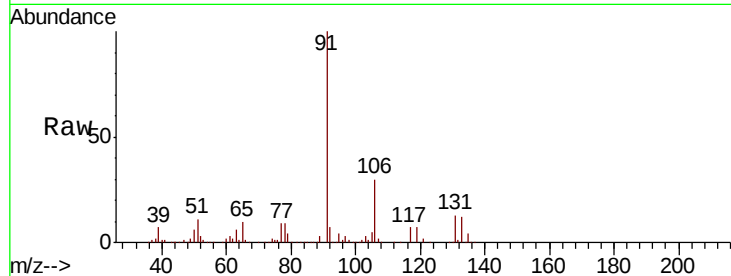




#67
Ethyl Benzene
Concen: 95.135 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

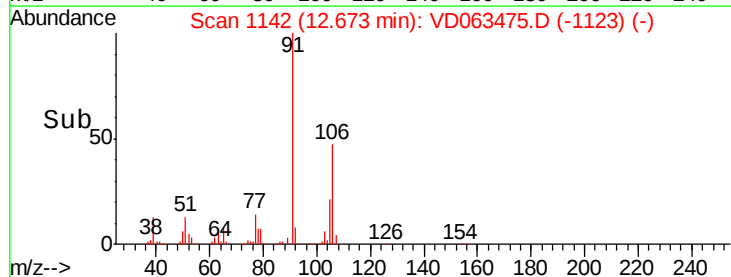
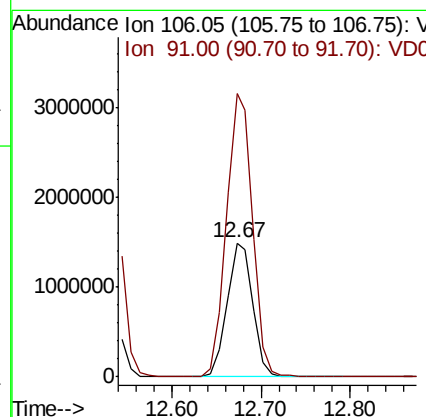
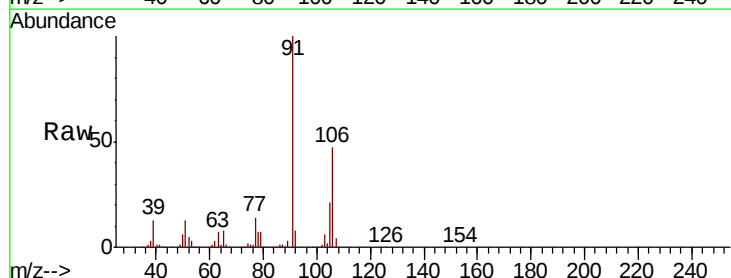
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

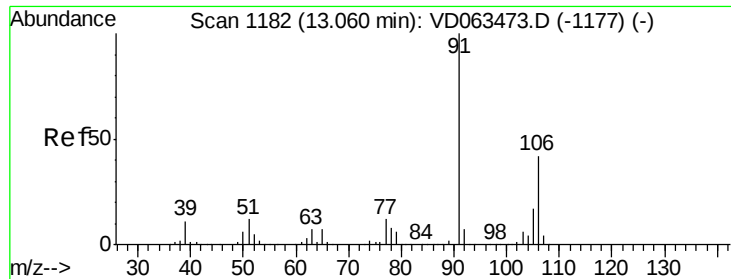
Tgt Ion: 91 Resp: 4446149
Ion Ratio Lower Upper
91 100
106 30.5 23.1 34.7



#68
m/p-Xylenes
Concen: 183.400 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

Tgt Ion: 106 Resp: 3011322
Ion Ratio Lower Upper
106 100
91 211.7 171.8 257.8

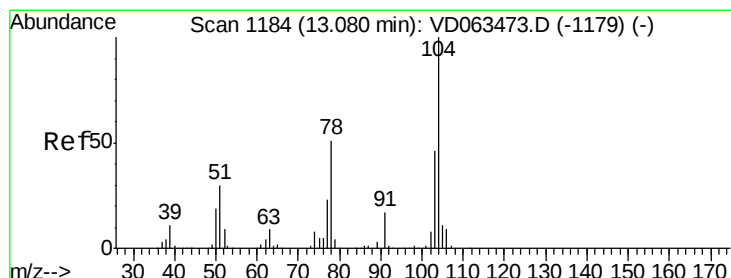
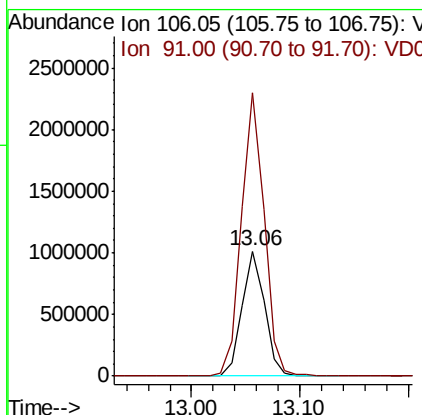
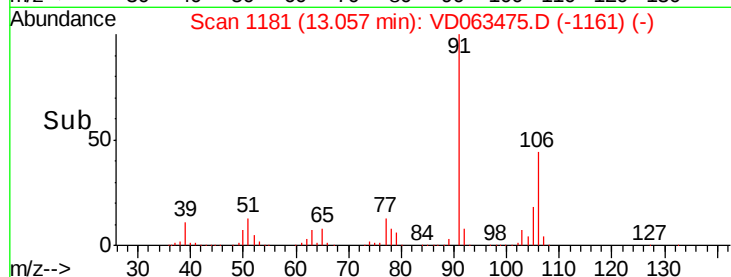
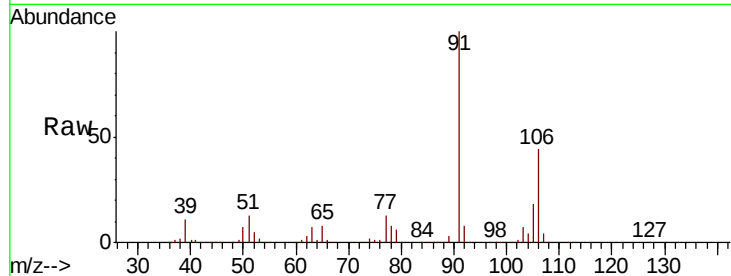




#69
o-Xylene
Concen: 92.997 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

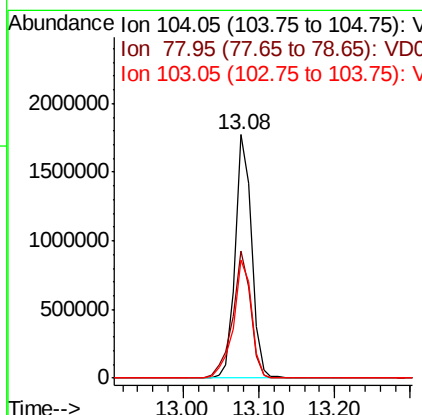
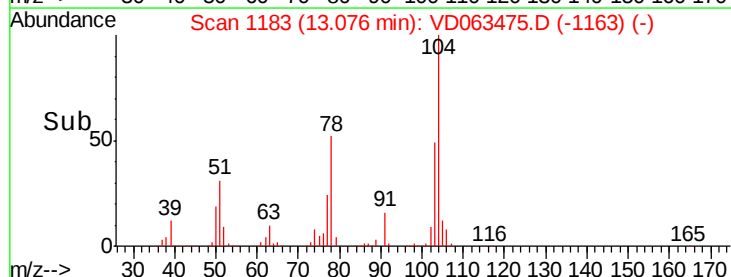
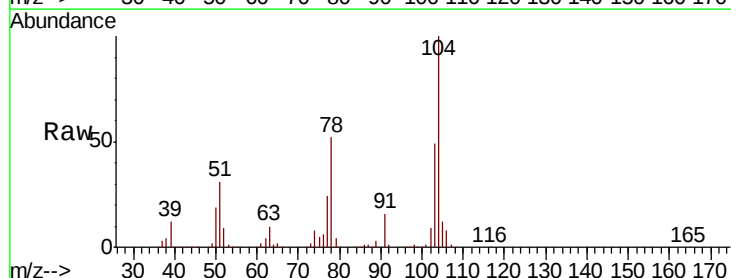
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

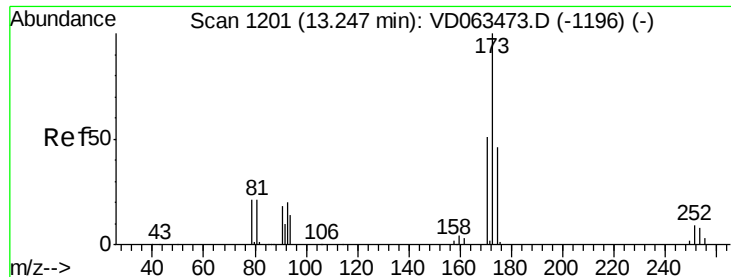
Tgt Ion:106 Resp: 1469645
Ion Ratio Lower Upper
106 100
91 226.7 118.1 354.2



#70
Styrene
Concen: 92.766 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

Tgt Ion:104 Resp: 2607688
Ion Ratio Lower Upper
104 100
78 52.4 40.8 61.2
103 48.5 36.4 54.6

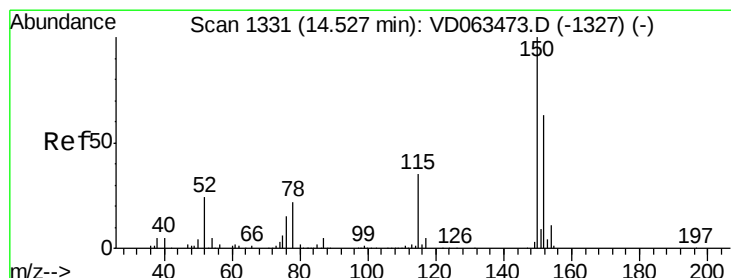
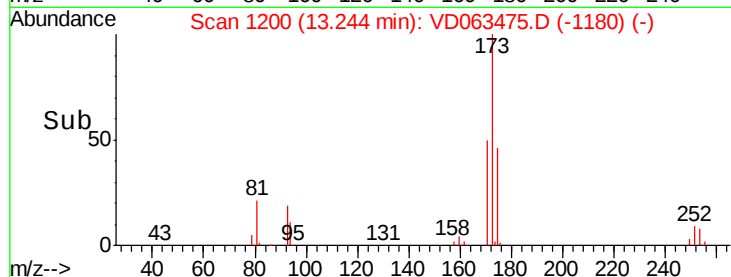
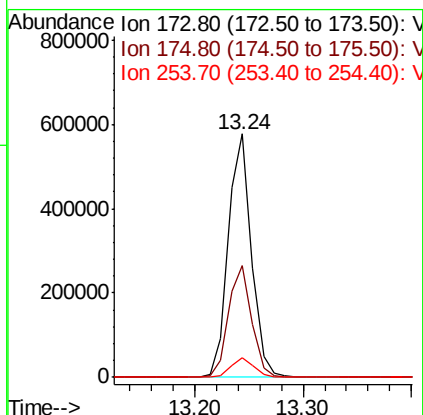
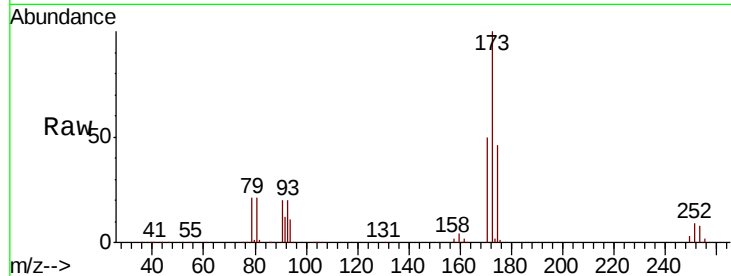




#71
Bromoform
Concen: 105.783 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

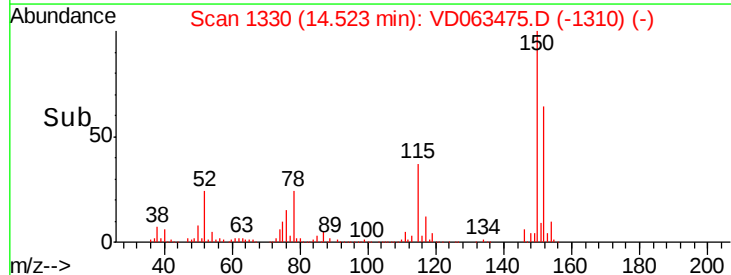
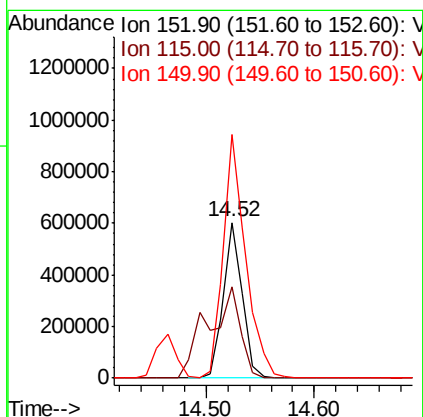
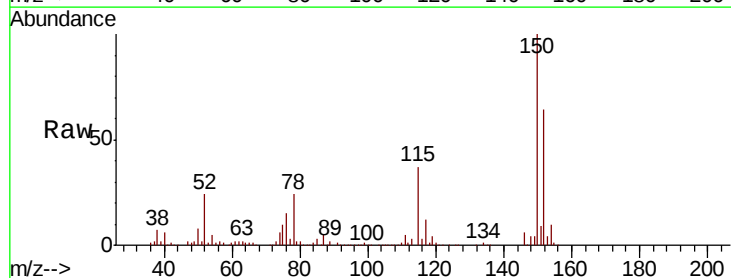
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

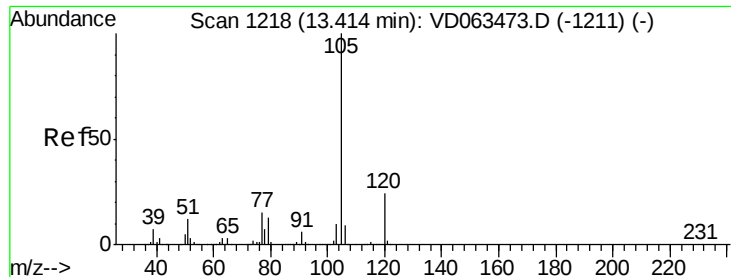
Tgt Ion:173 Resp: 858012
Ion Ratio Lower Upper
173 100
175 45.8 22.8 68.3
254 8.3 6.6 9.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

Tgt Ion:152 Resp: 728207
Ion Ratio Lower Upper
152 100
115 58.3 30.9 92.7
150 156.5 0.0 318.6





#73

Isopropylbenzene

Concen: 95.953 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

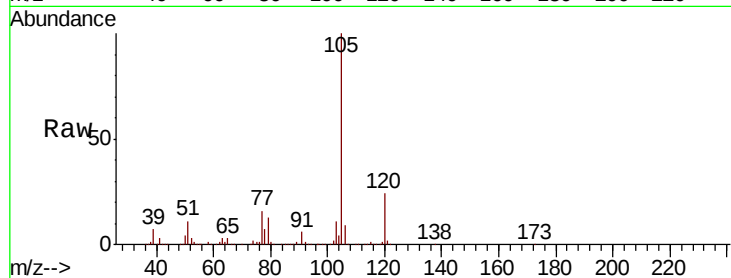
VSTDIC100

Tgt Ion:105 Resp: 4444349

Ion Ratio Lower Upper

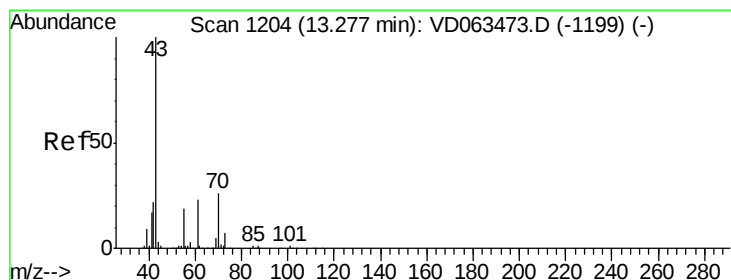
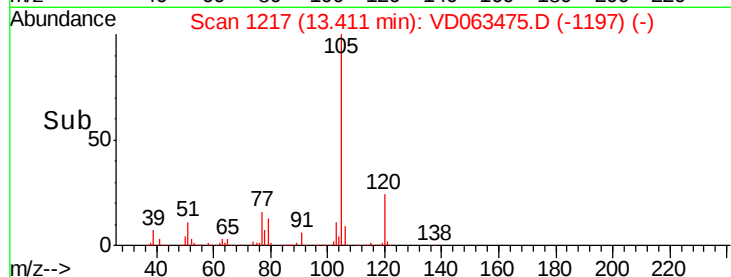
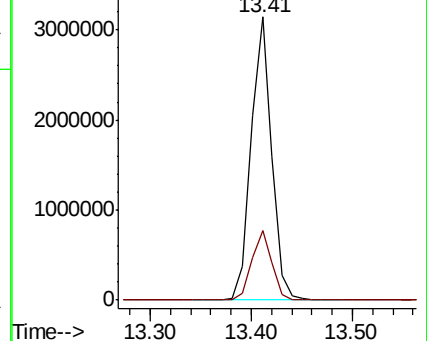
105 100

120 24.4 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 106.216 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

Tgt Ion: 43 Resp: 1235004

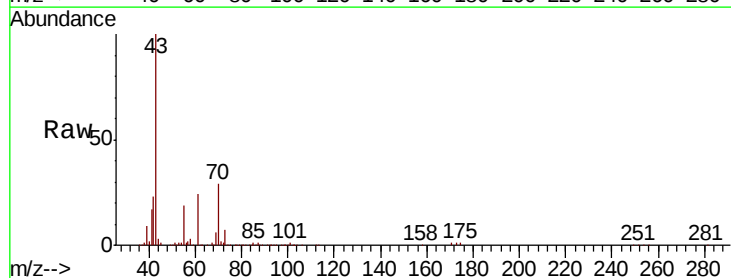
Ion Ratio Lower Upper

43 100

70 28.8 21.1 31.7

55 19.4 15.4 23.0

61 23.8 18.2 27.2

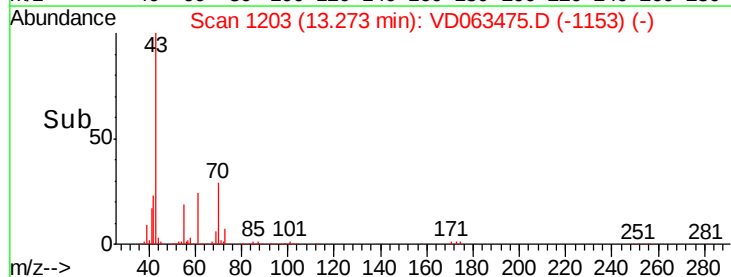
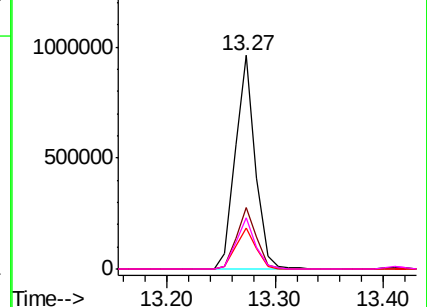


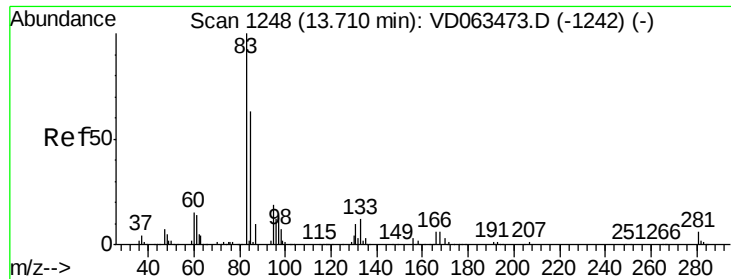
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 98.100 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

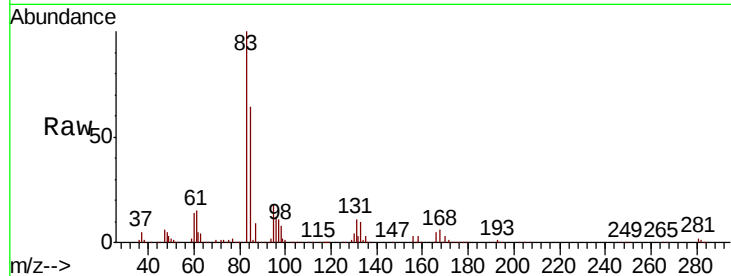
Tgt Ion: 83 Resp: 754182

Ion Ratio Lower Upper

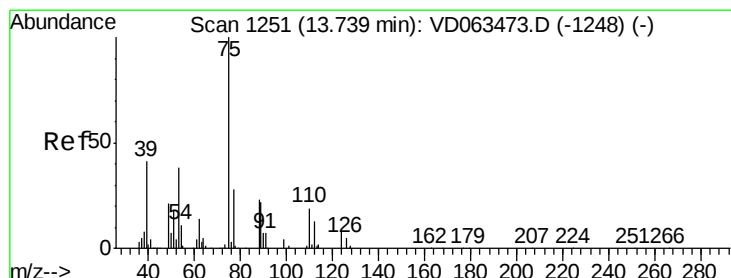
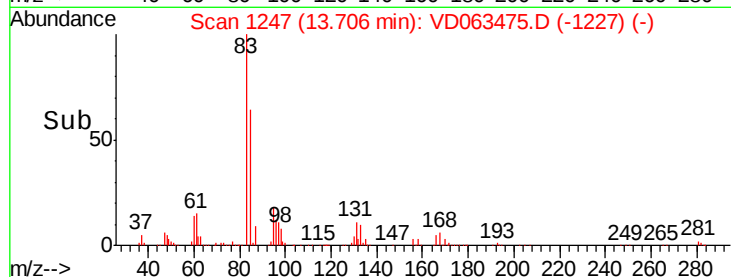
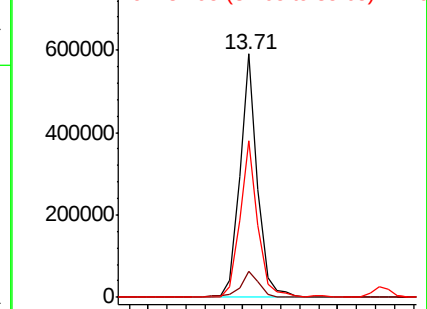
83 100

131 10.7 5.3 15.8

85 64.3 31.4 94.3



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 98.672 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063475.D

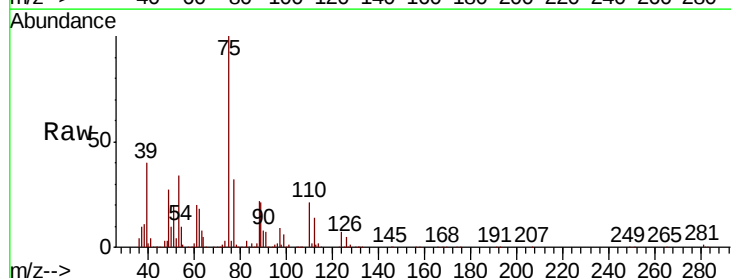
Acq: 9 Aug 2019 15:51

Tgt Ion: 75 Resp: 824639

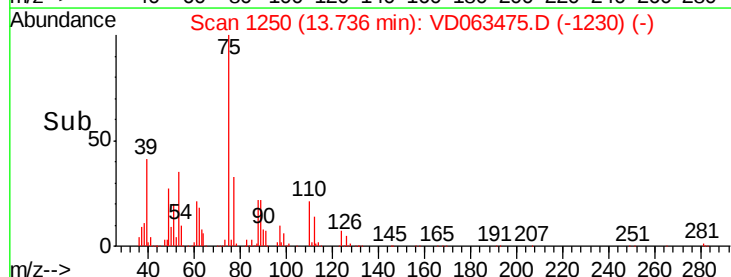
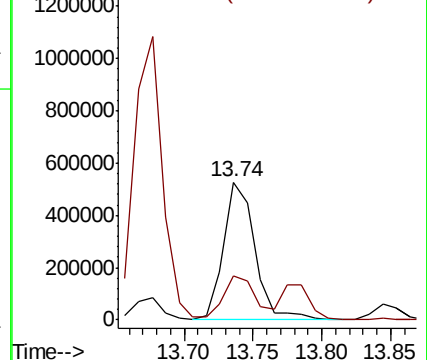
Ion Ratio Lower Upper

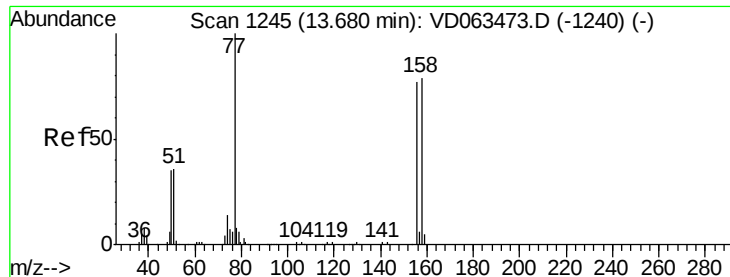
75 100

77 32.1 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 97.692 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

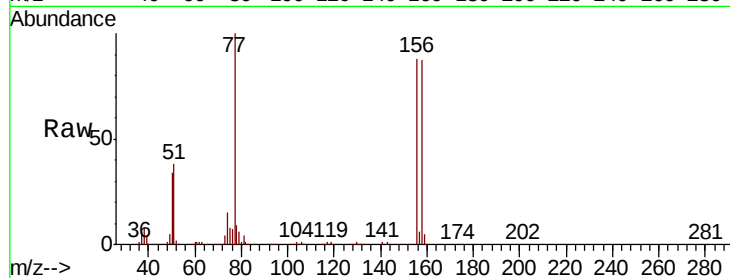
Tgt Ion:156 Resp: 1236671

Ion Ratio Lower Upper

156 100

77 114.0 64.6 193.8

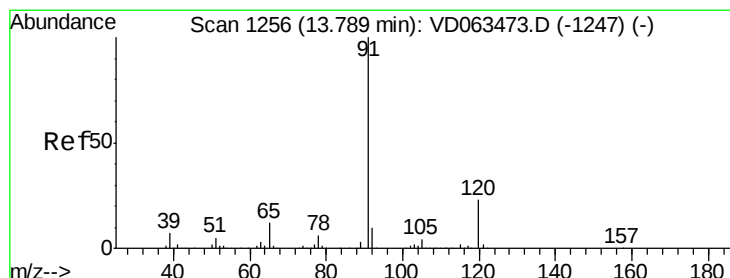
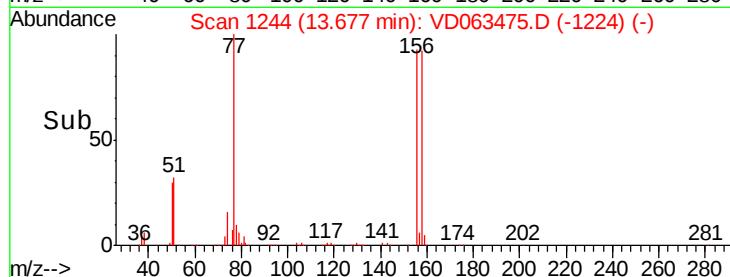
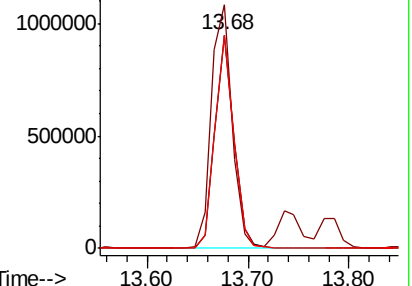
158 99.7 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 89.711 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD063475.D

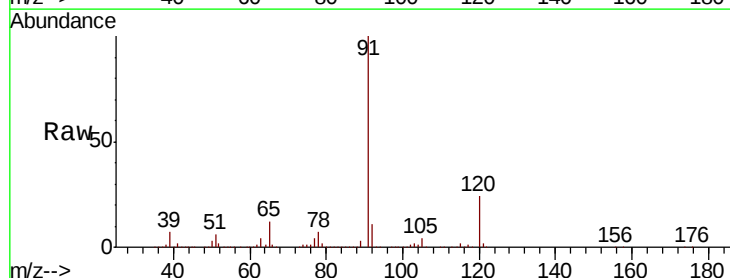
Acq: 9 Aug 2019 15:51

Tgt Ion: 91 Resp: 4861752

Ion Ratio Lower Upper

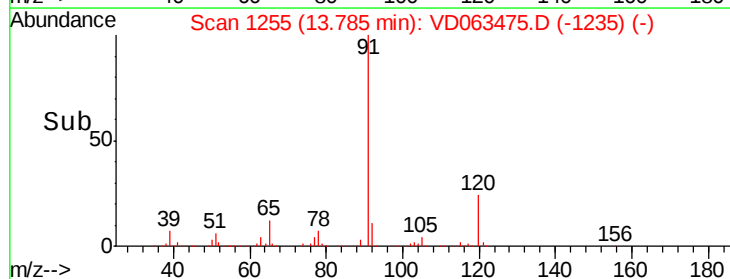
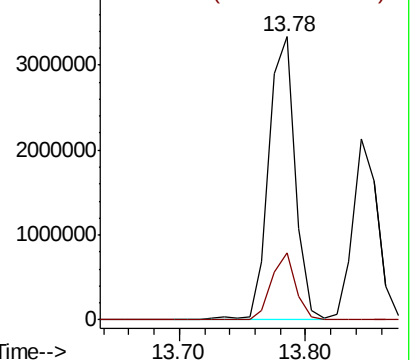
91 100

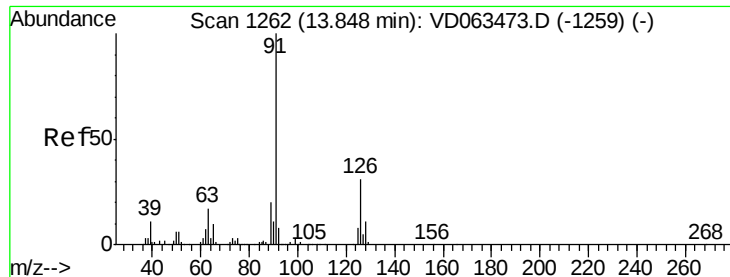
120 23.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

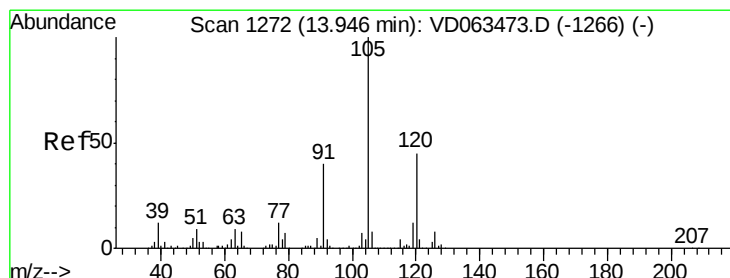
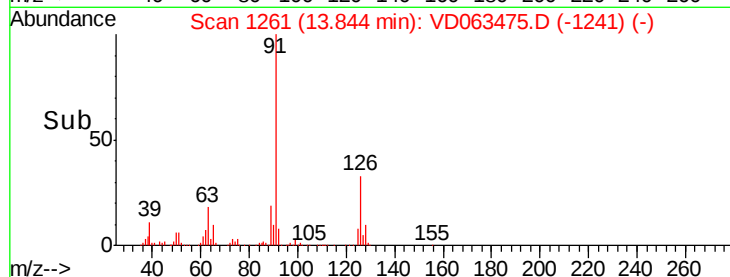
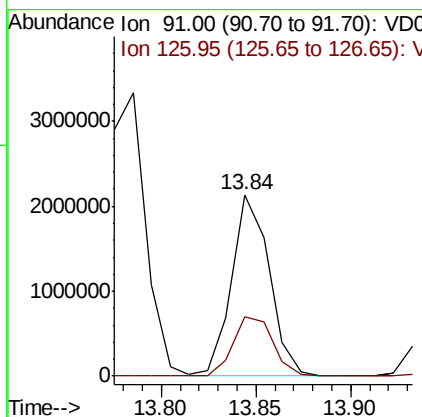
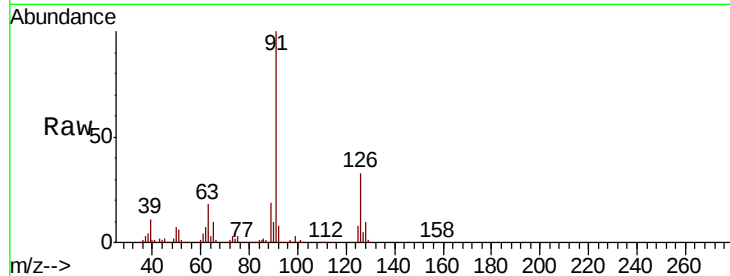




#79
 2-Chlorotoluene
 Concen: 93.778 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

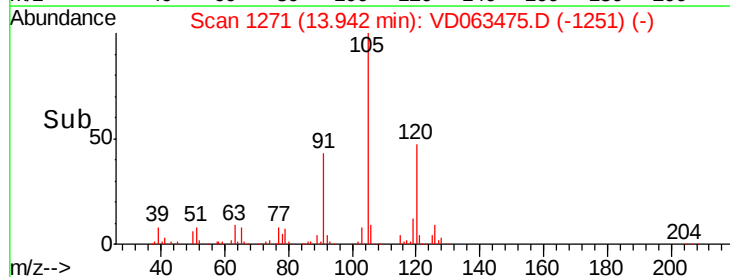
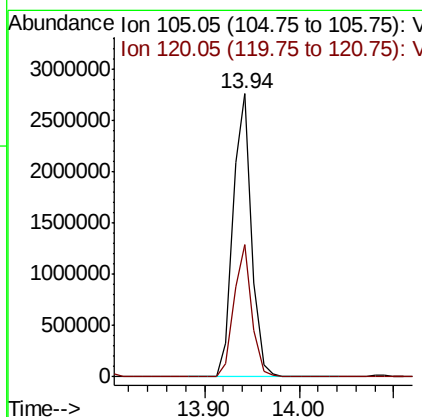
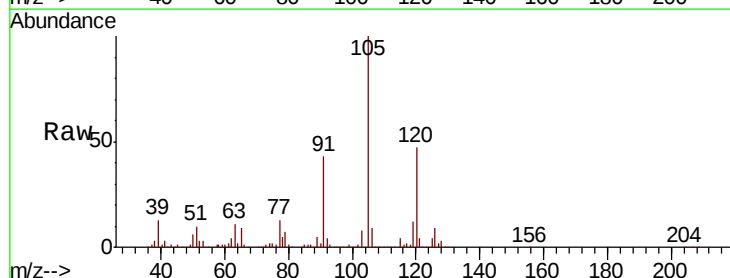
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

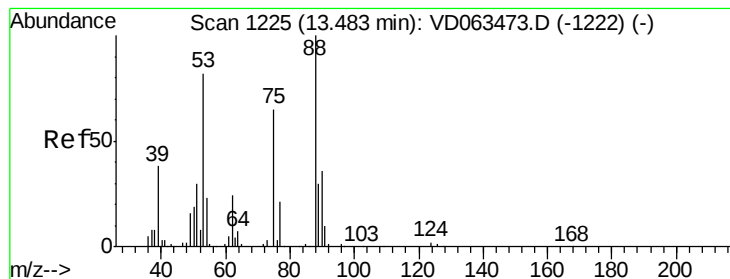
Tgt Ion: 91 Resp: 2929905
 Ion Ratio Lower Upper
 91 100
 126 32.8 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 91.219 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

Tgt Ion: 105 Resp: 3691617
 Ion Ratio Lower Upper
 105 100
 120 47.0 22.8 68.3





#81

trans-1,4-Dichloro-2-butene

Concen: 109.456 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

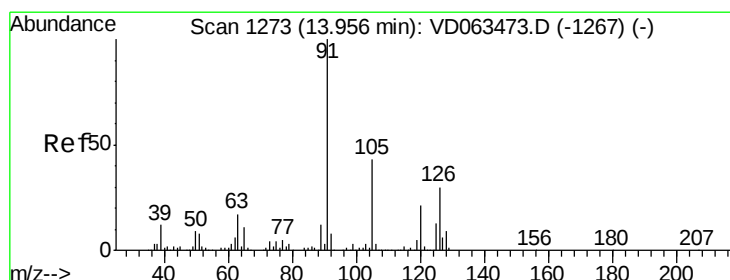
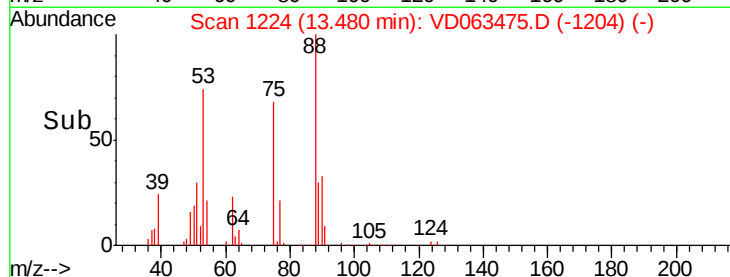
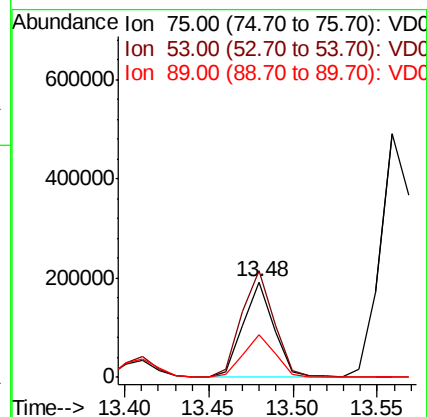
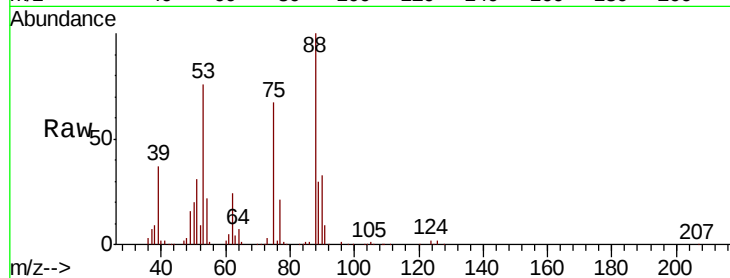
Tgt Ion: 75 Resp: 245865

Ion Ratio Lower Upper

75 100

53 112.3 101.0 151.4

89 44.4 37.0 55.6



#82

4-Chlorotoluene

Concen: 89.548 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063475.D

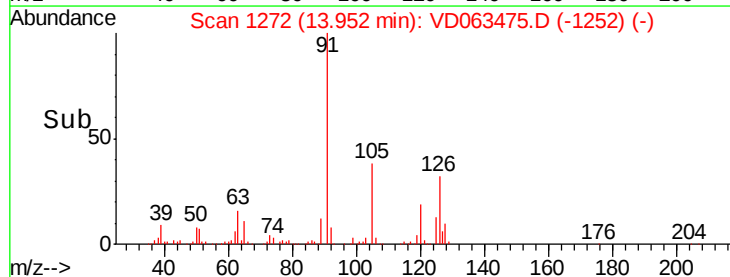
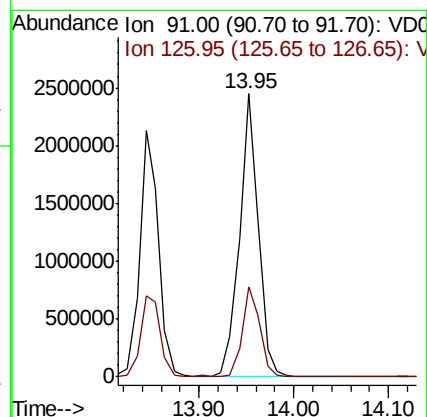
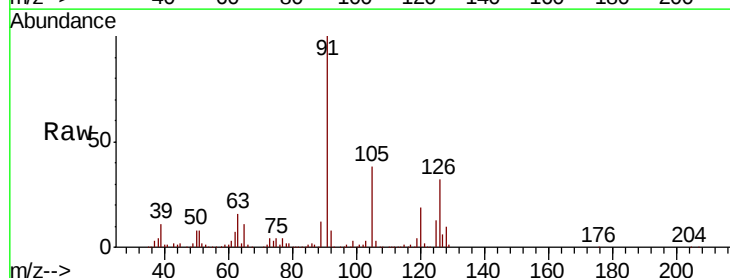
Acq: 9 Aug 2019 15:51

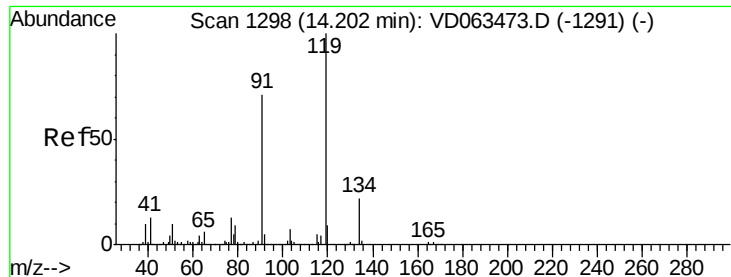
Tgt Ion: 91 Resp: 3364730

Ion Ratio Lower Upper

91 100

126 31.7 15.2 45.6

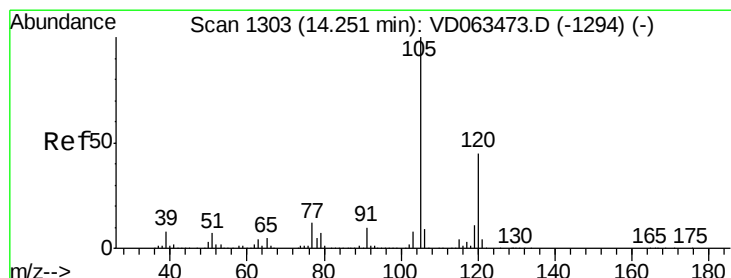
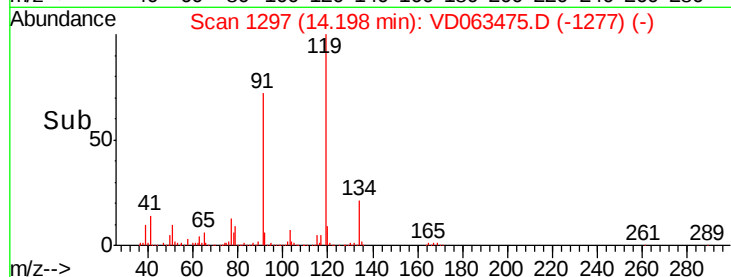
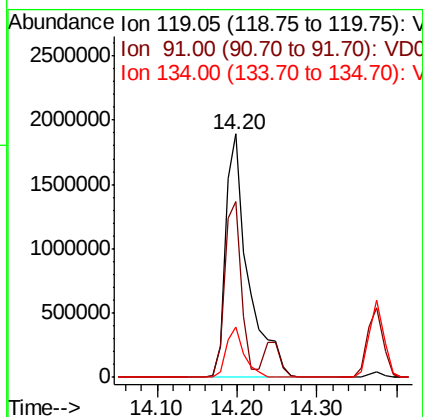
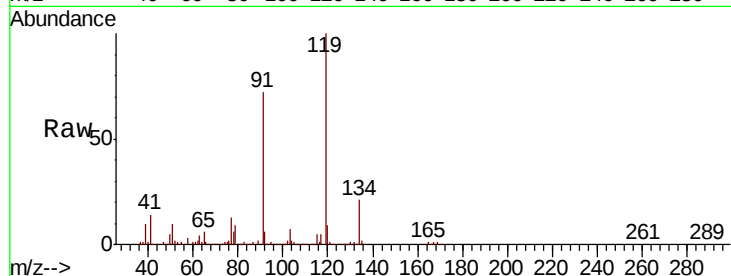




#83
 tert-Butylbenzene
 Concen: 88.037 ug/l
 RT: 14.20 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

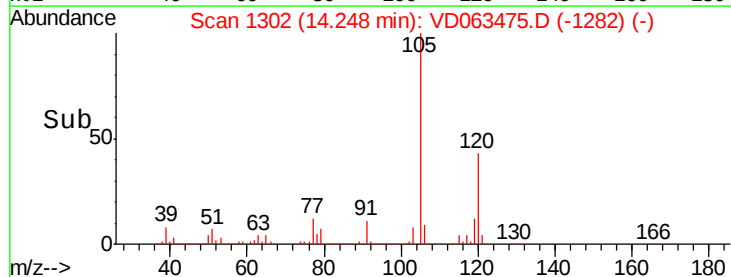
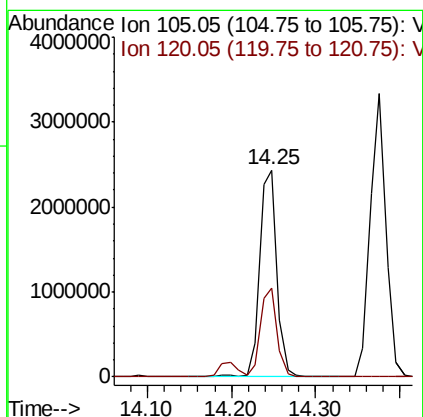
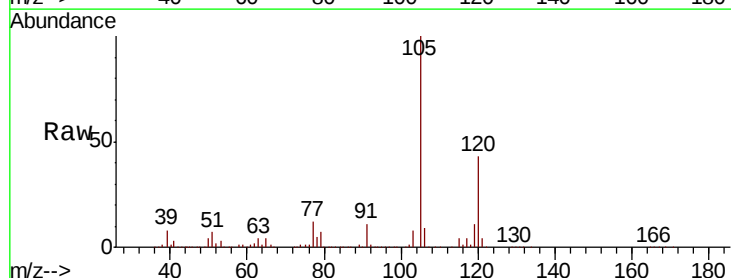
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

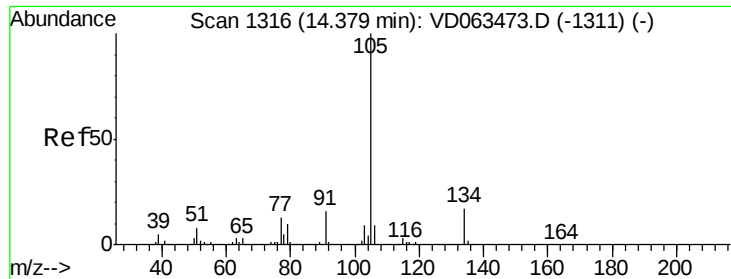
Tgt Ion:119 Resp: 3751811
 Ion Ratio Lower Upper
 119 100
 91 72.3 35.5 106.7
 134 20.8 11.1 33.1



#84
 1,2,4-Trimethylbenzene
 Concen: 93.462 ug/l
 RT: 14.25 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

Tgt Ion:105 Resp: 3499709
 Ion Ratio Lower Upper
 105 100
 120 43.0 22.7 68.1

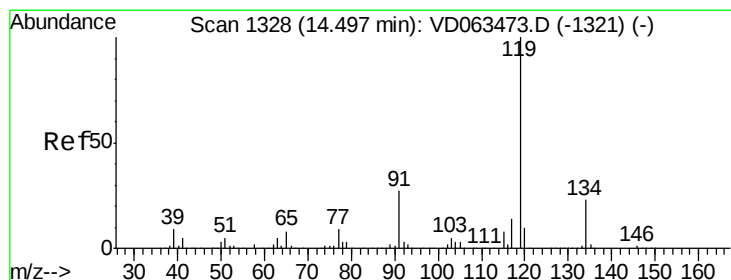
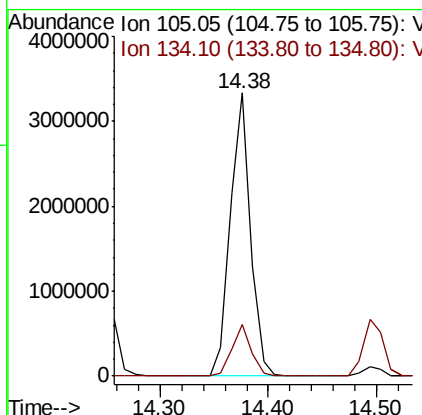
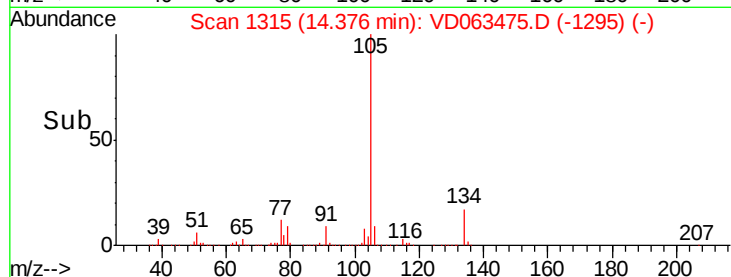
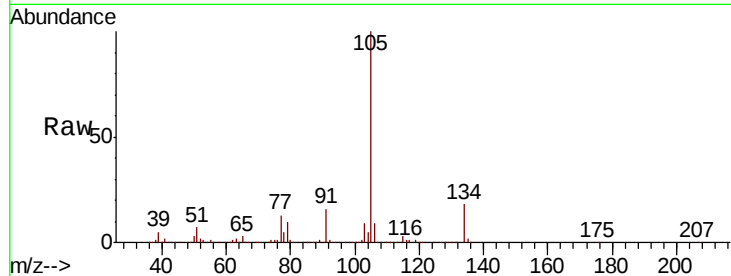




#85
 sec-Butylbenzene
 Concen: 95.759 ug/l
 RT: 14.38 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

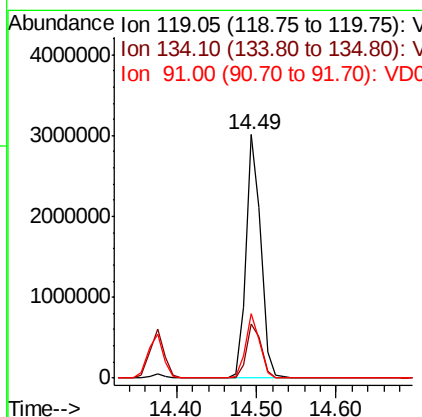
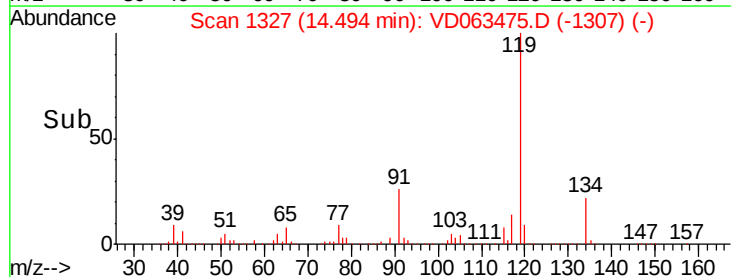
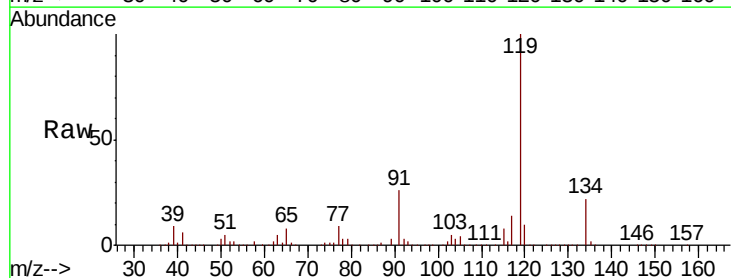
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

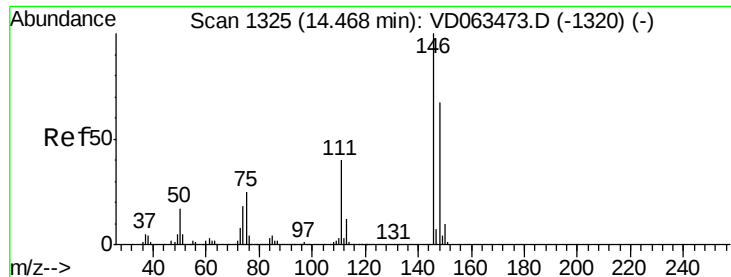
Tgt Ion:105 Resp: 4333791
 Ion Ratio Lower Upper
 105 100
 134 18.2 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 87.808 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

Tgt Ion:119 Resp: 3799693
 Ion Ratio Lower Upper
 119 100
 134 22.3 11.3 33.8
 91 26.4 13.5 40.4

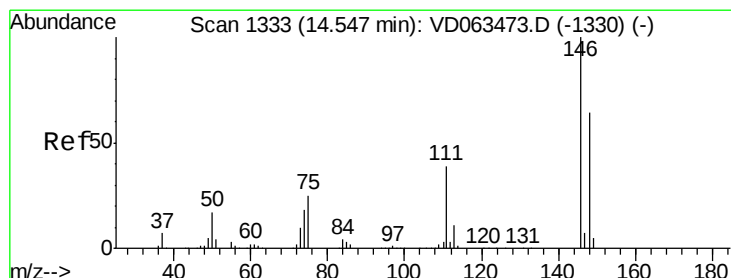
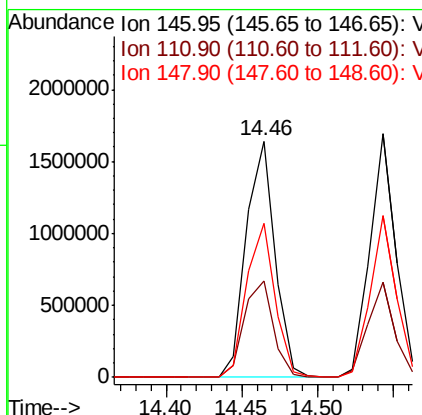
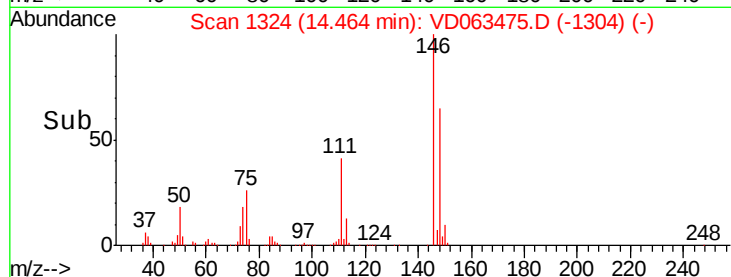
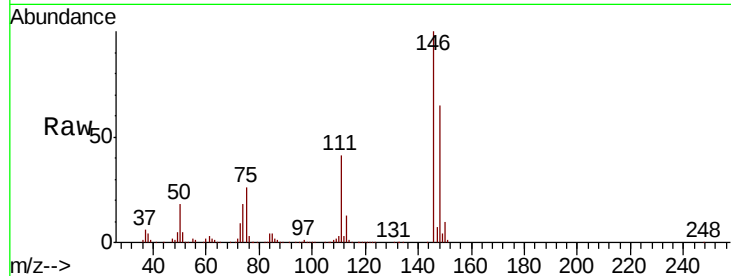




#87
 1,3-Dichlorobenzene
 Concen: 95.321 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

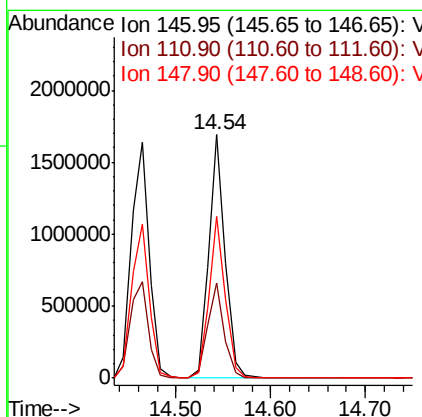
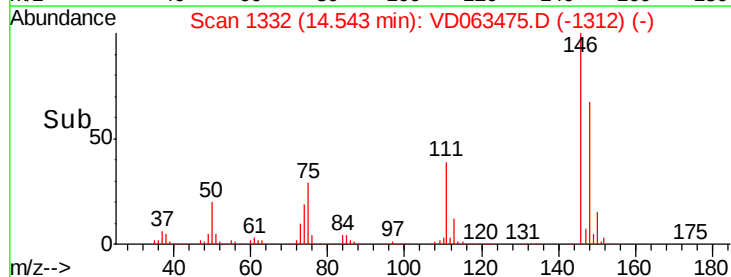
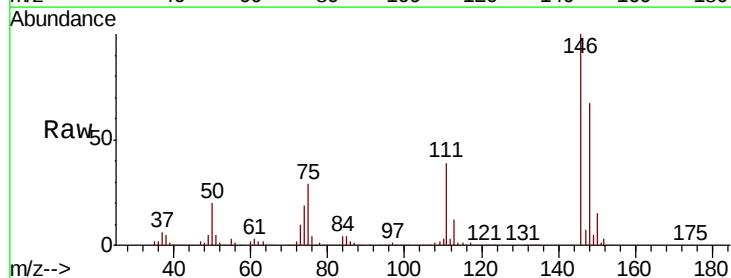
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

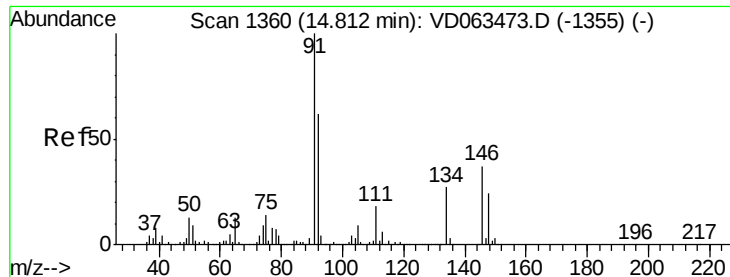
Tgt Ion:146 Resp: 2182596
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.0 60.0
 148 65.0 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 92.928 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

Tgt Ion:146 Resp: 2041476
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.7 59.0
 148 66.6 32.1 96.3





#89

n-Butylbenzene

Concen: 94.821 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

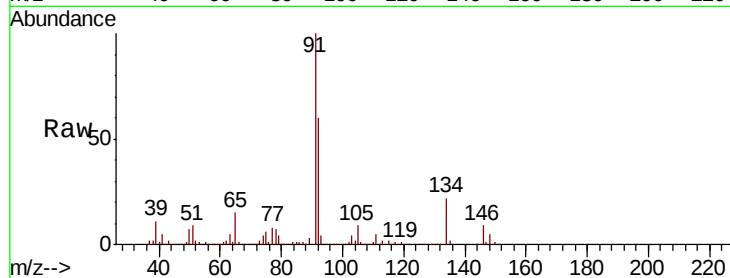
Tgt Ion: 91 Resp: 3744889

Ion Ratio Lower Upper

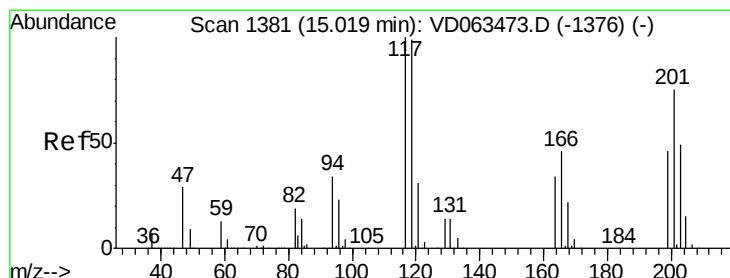
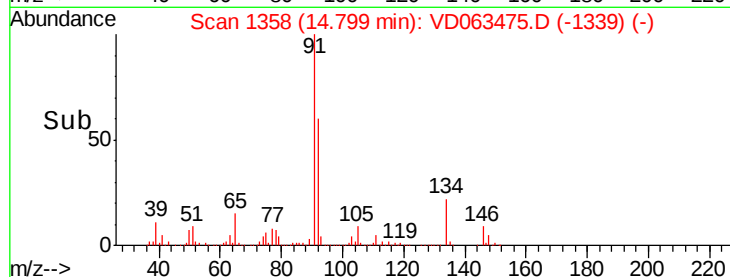
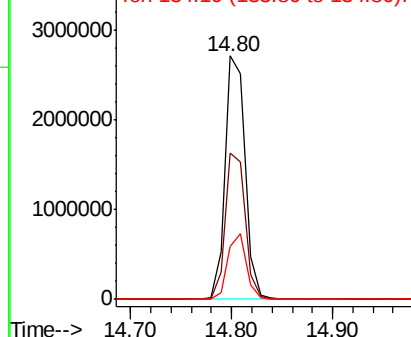
91 100

92 60.1 30.8 92.3

134 21.8 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 101.453 ug/l

RT: 15.02 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD063475.D

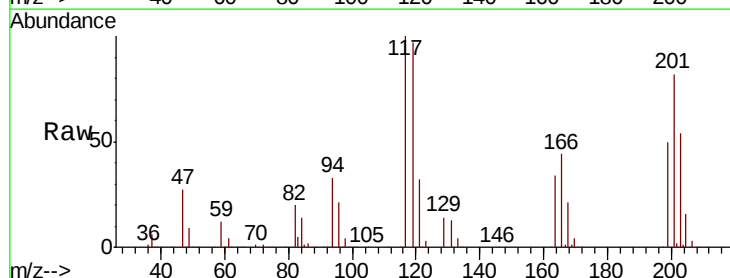
Acq: 9 Aug 2019 15:51

Tgt Ion: 117 Resp: 1103459

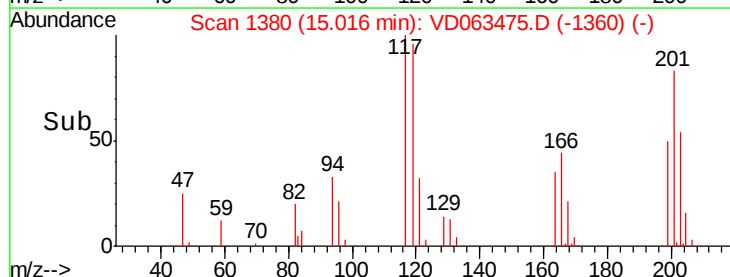
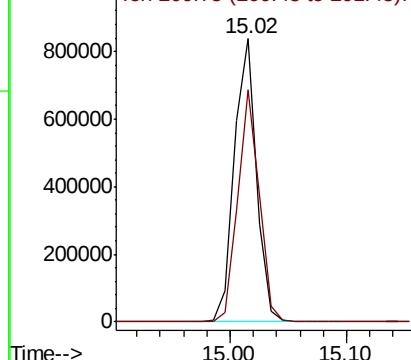
Ion Ratio Lower Upper

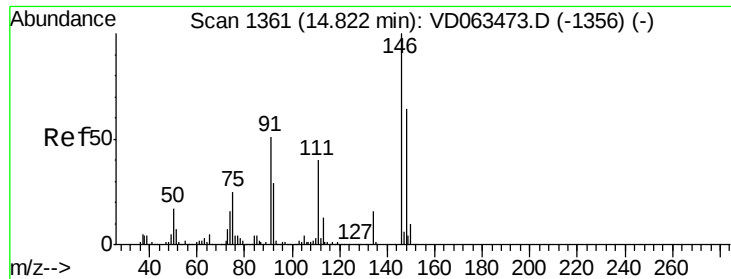
117 100

201 82.2 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

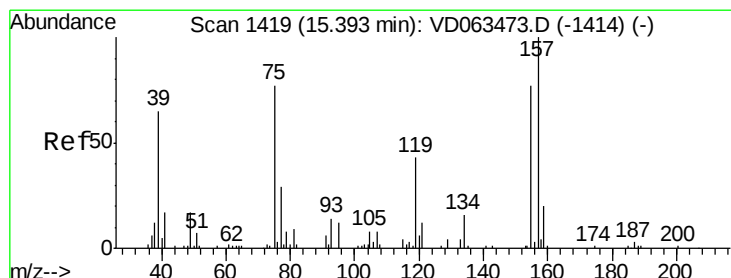
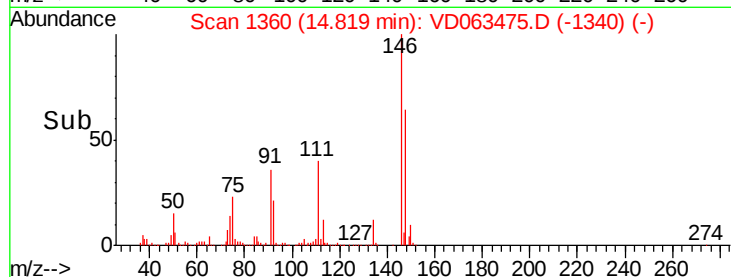
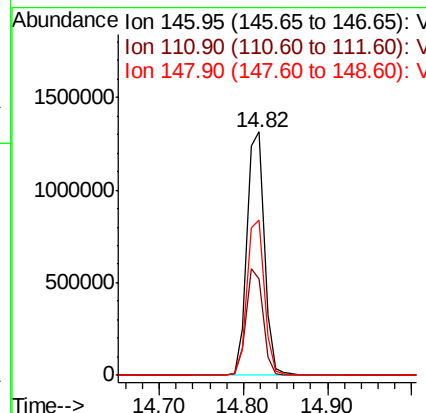
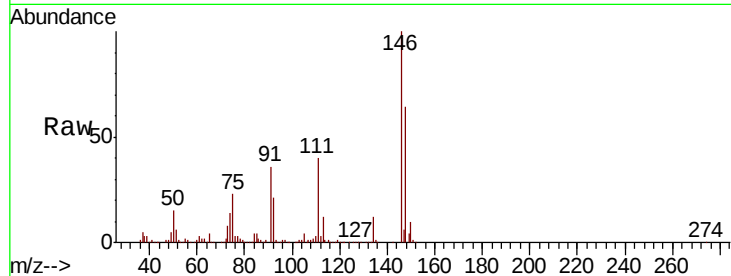




#91
 1,2-Dichlorobenzene
 Concen: 97.391 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

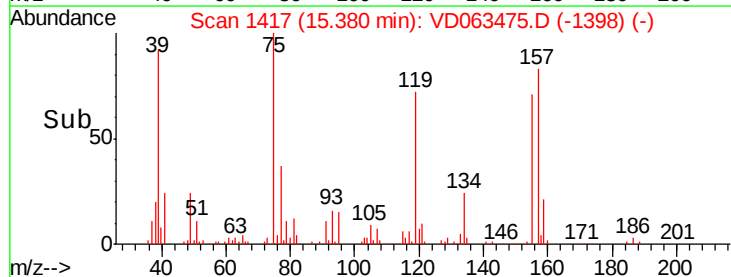
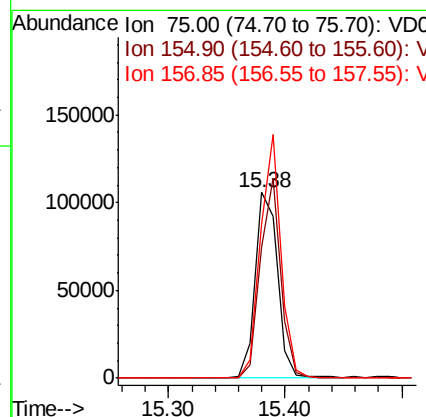
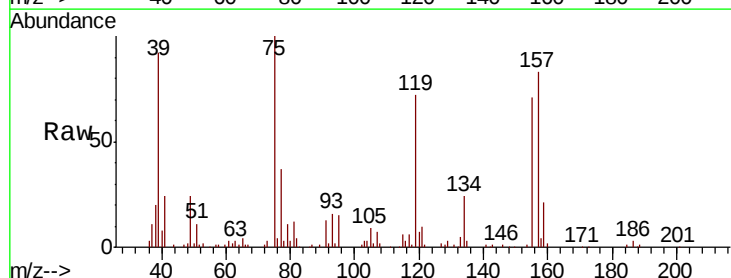
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

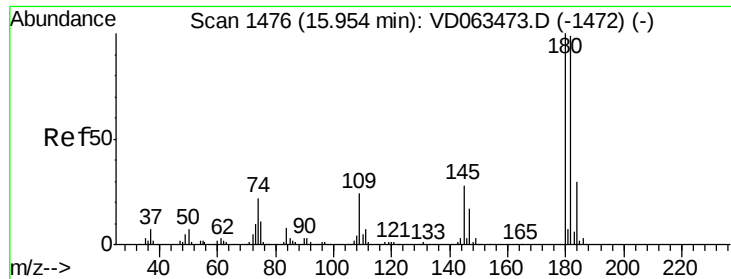
Tgt Ion:146 Resp: 1891997
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.2 60.6
 148 64.0 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 98.007 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

Tgt Ion: 75 Resp: 141873
 Ion Ratio Lower Upper
 75 100
 155 70.5 50.1 150.3
 157 82.6 65.0 195.1

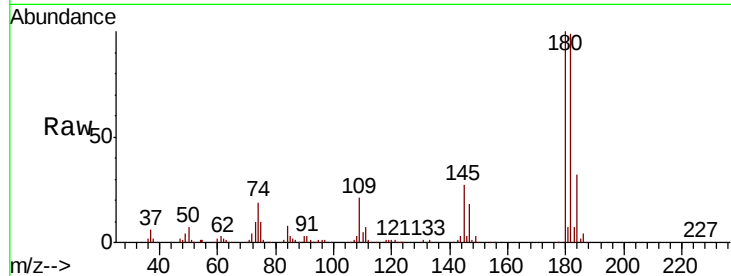




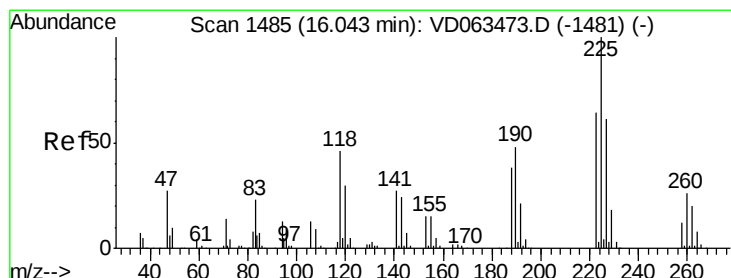
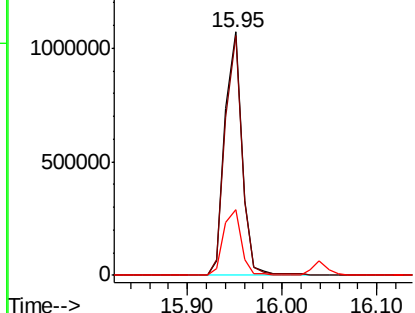
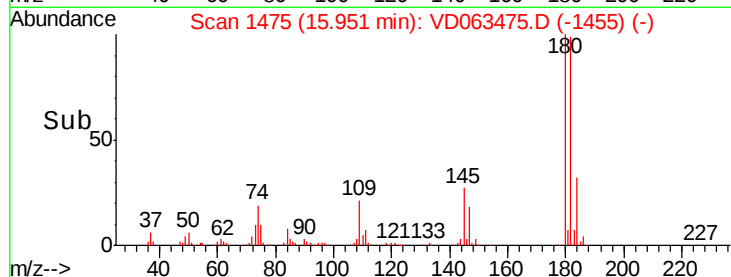
#93
 1,2,4-Trichlorobenzene
 Concen: 94.451 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC100

Tgt Ion:180 Resp: 1350154
 Ion Ratio Lower Upper
 180 100
 182 98.6 49.7 149.1
 145 26.9 14.1 42.2

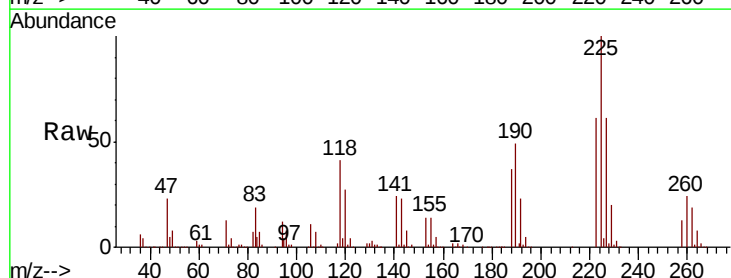


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

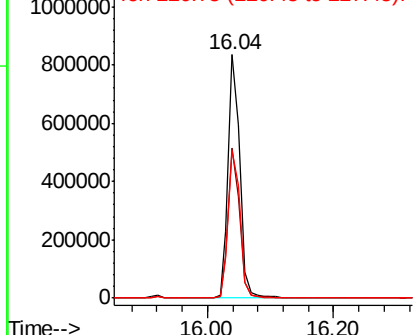
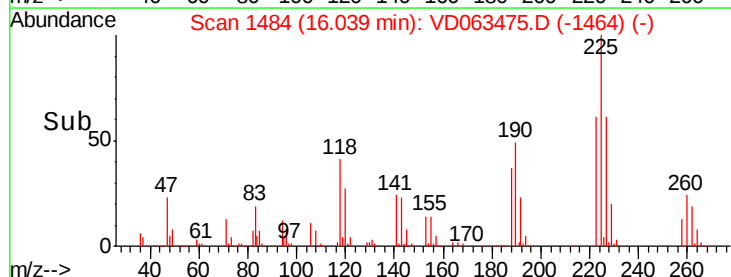


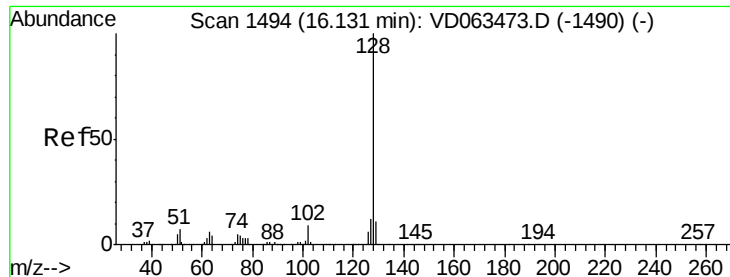
#94
 Hexachlorobutadiene
 Concen: 98.865 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

Tgt Ion:225 Resp: 1077090
 Ion Ratio Lower Upper
 225 100
 223 61.4 31.9 95.5
 227 60.8 30.7 92.1



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

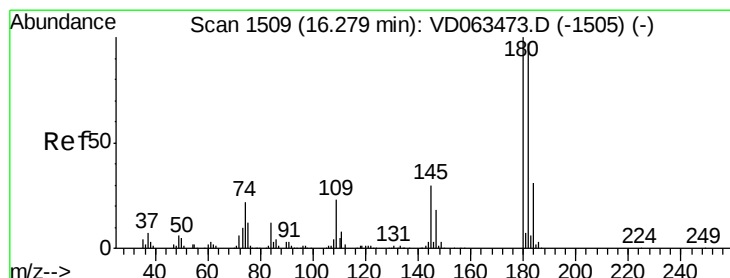
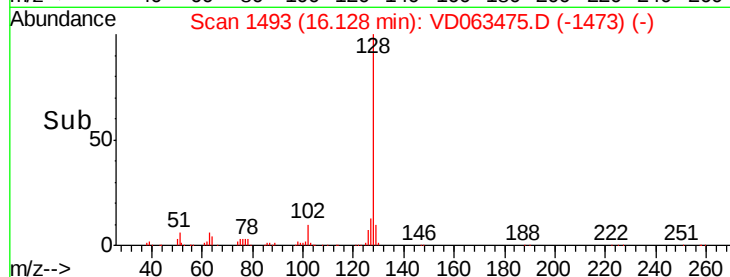
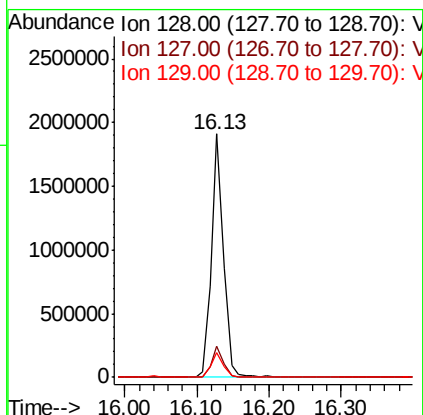
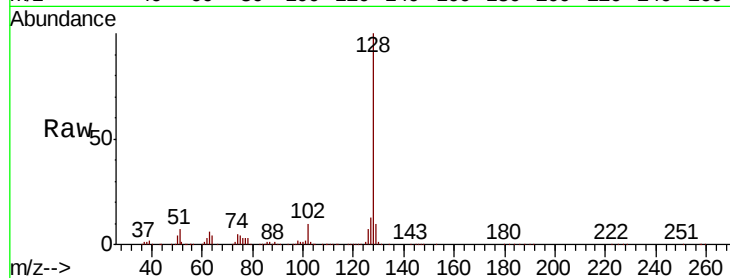




#95
Naphthalene
Concen: 101.112 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 2190472
Ion Ratio Lower Upper
128 100
127 12.7 9.4 14.0
129 10.1 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 98.446 ug/l
RT: 16.28 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

Tgt Ion:180 Resp: 1136630
Ion Ratio Lower Upper
180 100
182 96.1 48.4 145.2
145 28.9 14.9 44.9

