

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	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	1382170	104.99	ug/l	0.00
Spiked Amount			Recovery	=	209.98%	
35) Dibromofluoromethane	6.93	113	1521622	107.32	ug/l	0.00
Spiked Amount			Recovery	=	214.64%	
50) Toluene-d8	10.42	98	3303103	105.96	ug/l	0.00
Spiked Amount			Recovery	=	211.92%	
62) 4-Bromofluorobenzene	13.56	95	1463604	103.59	ug/l	0.00
Spiked Amount			Recovery	=	207.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	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

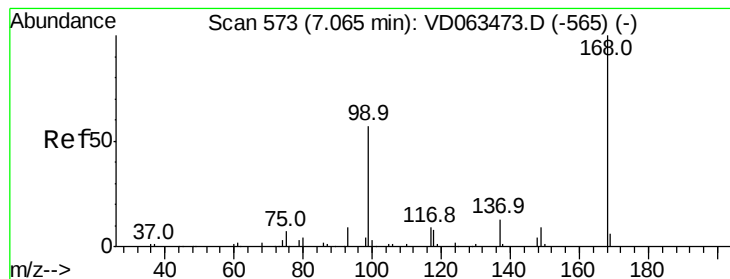
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	1350154	94.451	ug/l	99
94) Hexachlorobutadiene	16.04	225	1077090	98.865	ug/l	98
95) Naphthalene	16.13	128	2190472	101.112	ug/l	98
96) 1,2,3-Trichlorobenzene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

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



#1

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 :

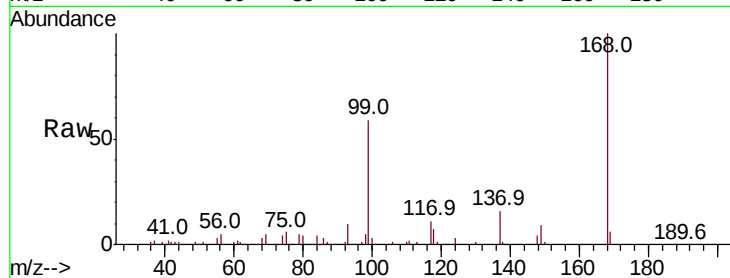
VSTDIC100

Tot Ion:168 Resp: 1229779

Ion Ratio Lower Upper

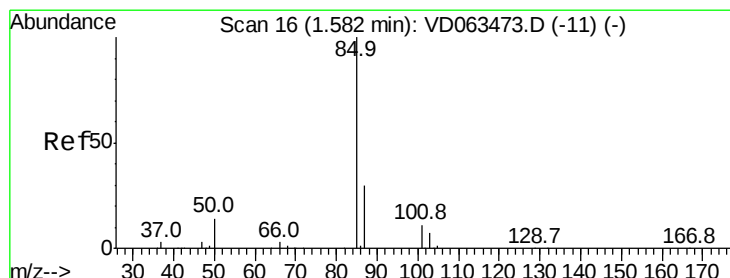
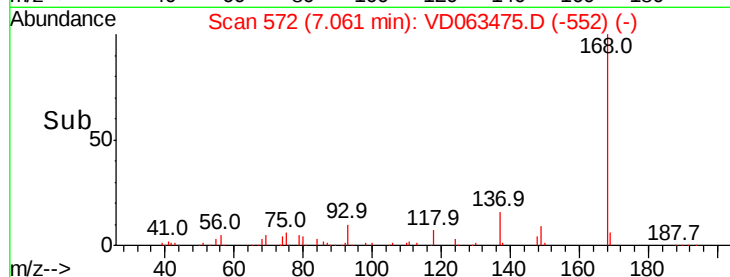
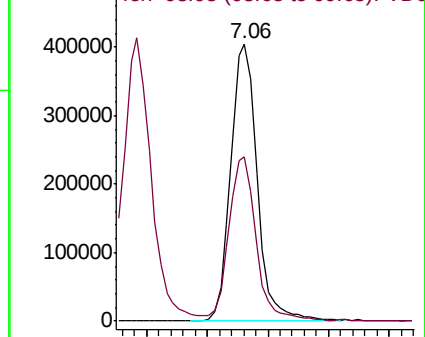
168 100

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



#2

Dichlorodifluoromethane

Concen: 87.460 ug/l

RT: 1.58 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD063475.D

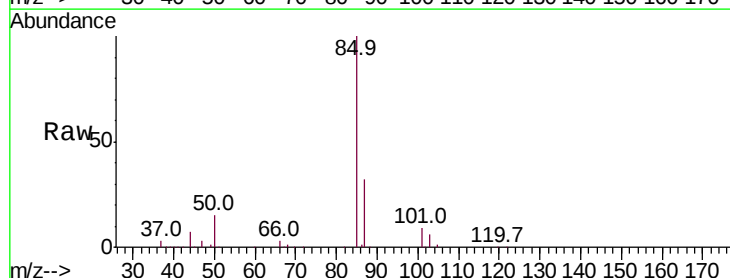
Acq: 9 Aug 2019 15:51

Tgt Ion: 85 Resp: 1303296

Ion Ratio Lower Upper

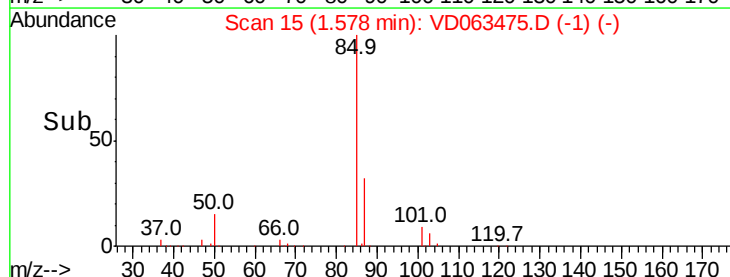
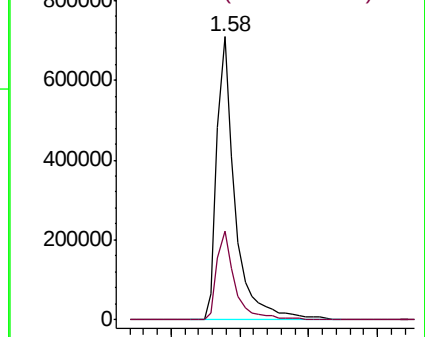
85 100

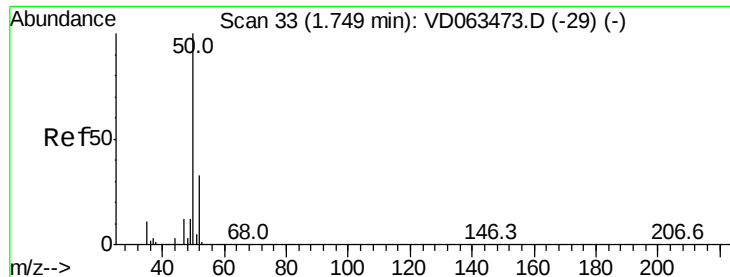
87 31.5 15.0 45.0



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 :

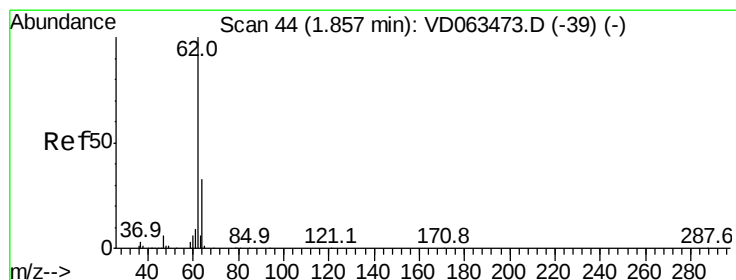
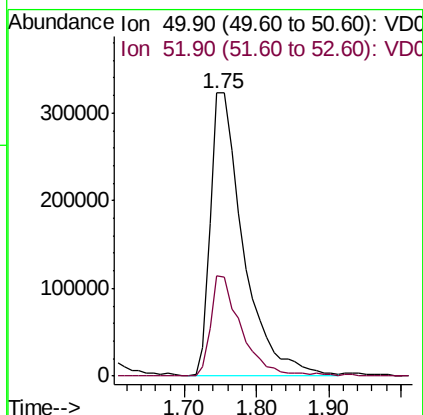
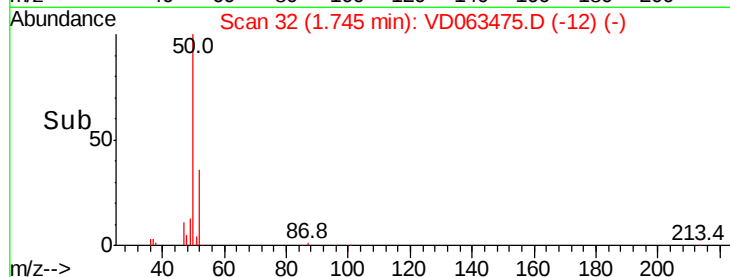
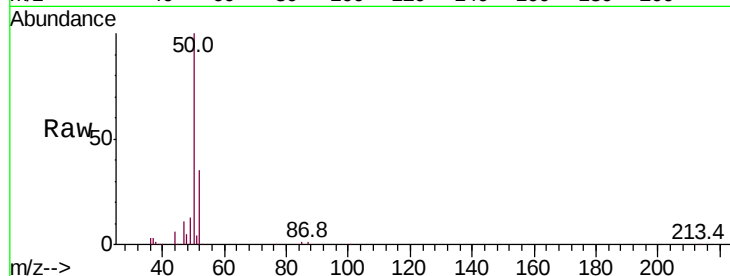
VSTDIC100

Tot Ion: 50 Resp: 1015283

Ion Ratio Lower Upper

50 100

52 35.4 26.6 40.0



#4

Vinyl Chloride

Concen: 96.653 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD063475.D

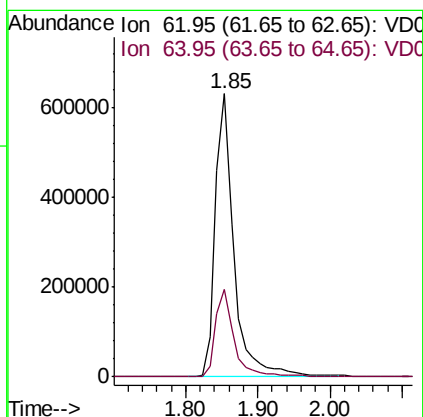
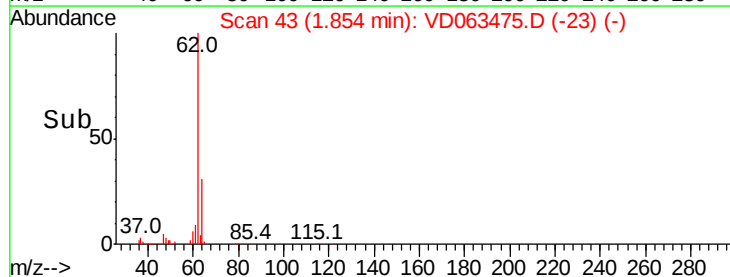
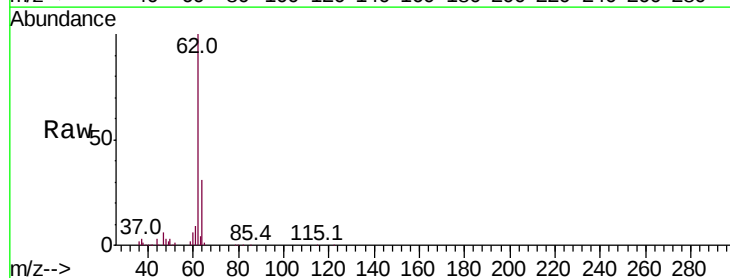
Acq: 9 Aug 2019 15:51

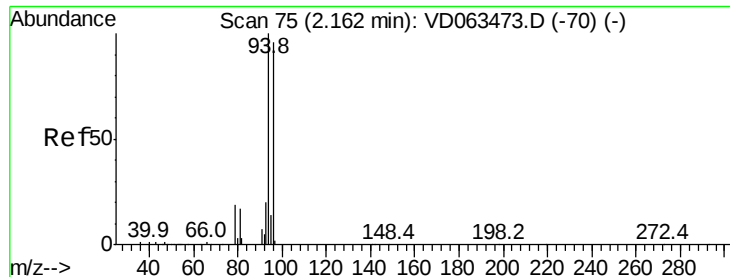
Tgt Ion: 62 Resp: 1117013

Ion Ratio Lower Upper

62 100

64 31.0 26.4 39.6





#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

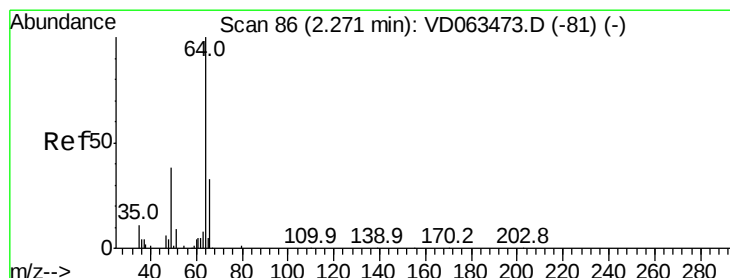
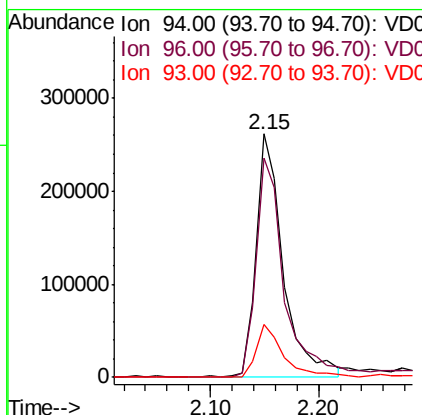
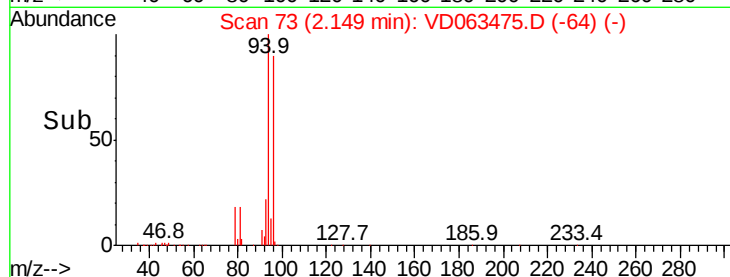
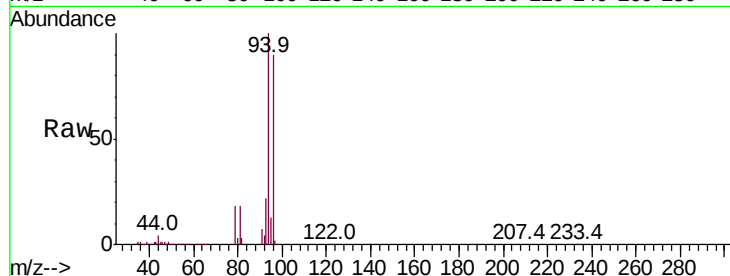
Tot Ion: 94 Resp: 449572

Ion Ratio Lower Upper

94 100

96 89.9 76.5 114.7

93 21.8 15.8 23.8



#6

Chloroethane

Concen: 85.902 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063475.D

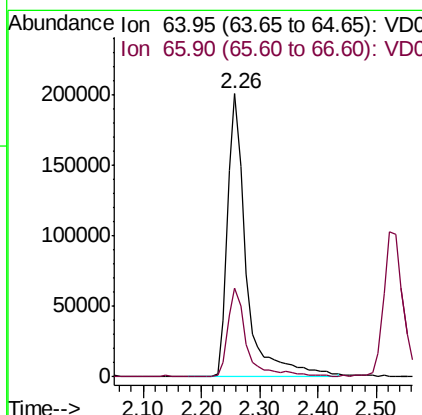
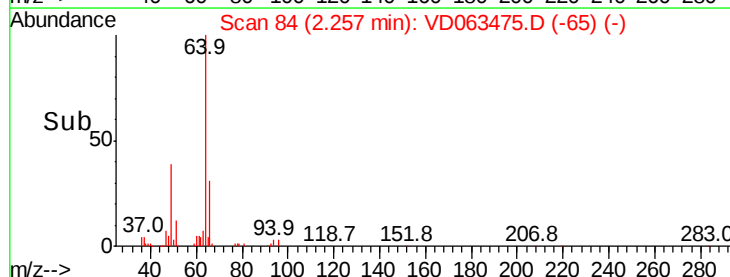
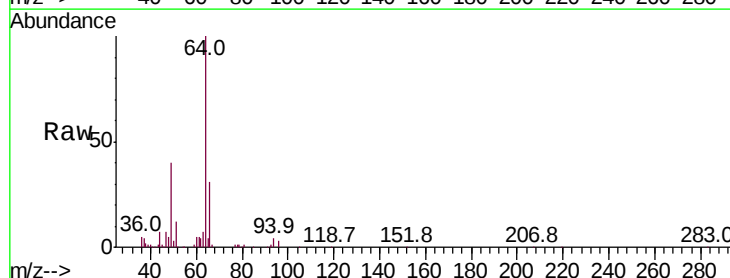
Acq: 9 Aug 2019 15:51

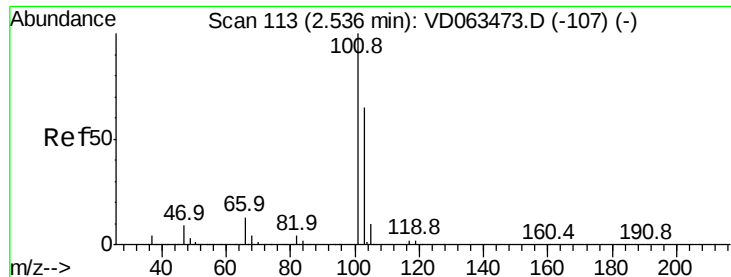
Tgt Ion: 64 Resp: 454015

Ion Ratio Lower Upper

64 100

66 31.4 26.3 39.5



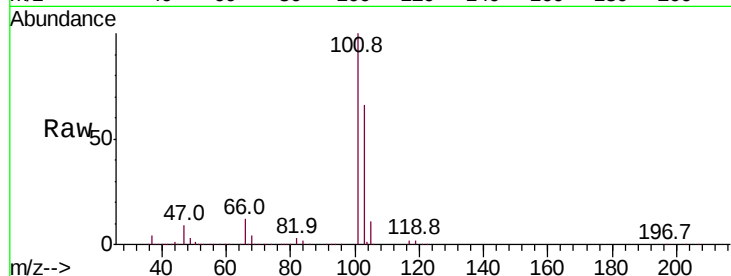


#7

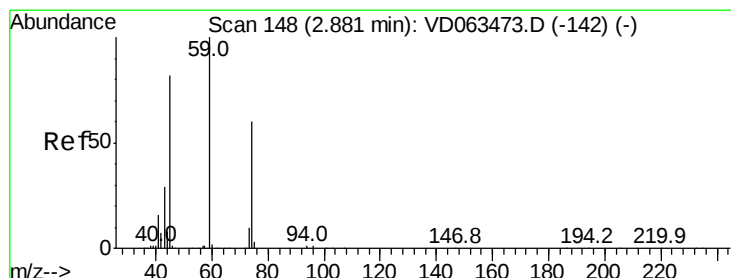
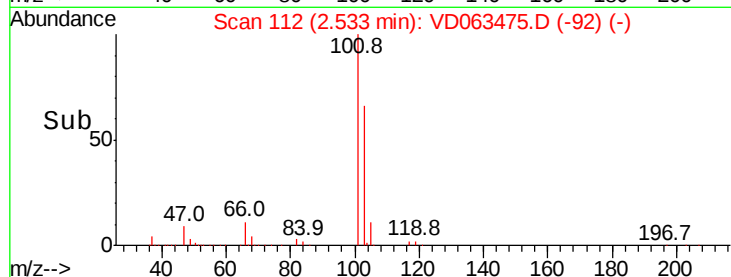
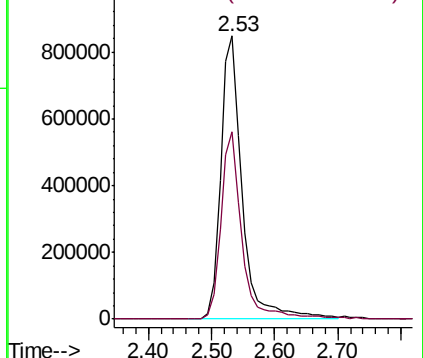
Trichlorofluoromethane
 Concen: 88.796 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

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



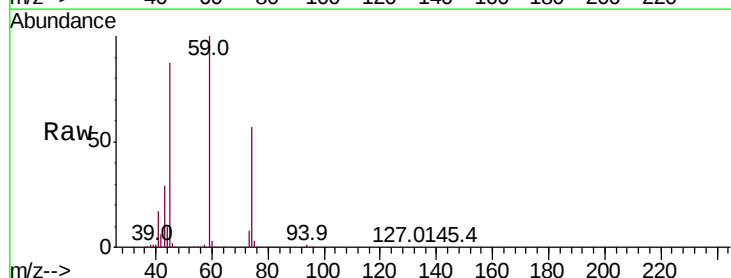
Abundance Ion 100.85 (100.55 to 101.55): V
 1000000 Ion 102.85 (102.55 to 103.55): V



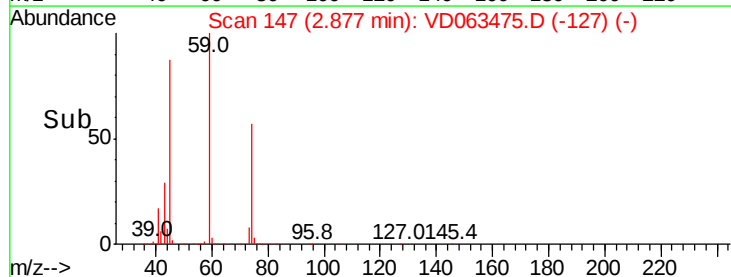
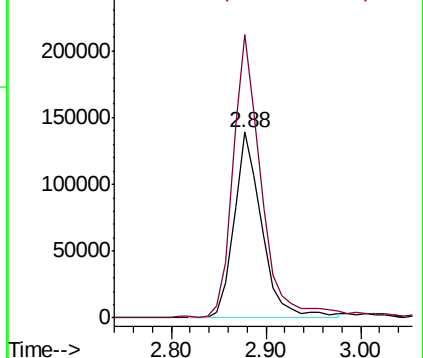
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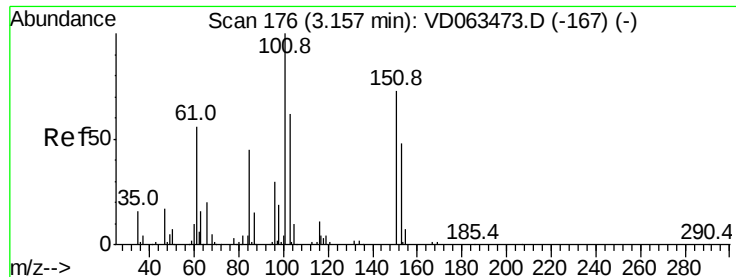
Diethyl Ether
 Concen: 88.103 ug/l
 RT: 2.88 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

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

Acq: 9 Aug 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

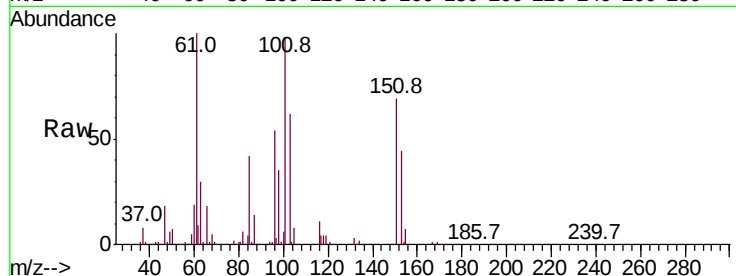
Tot Ion:101 Resp: 1244497

Ion Ratio Lower Upper

101 100

85 42.6 35.8 53.6

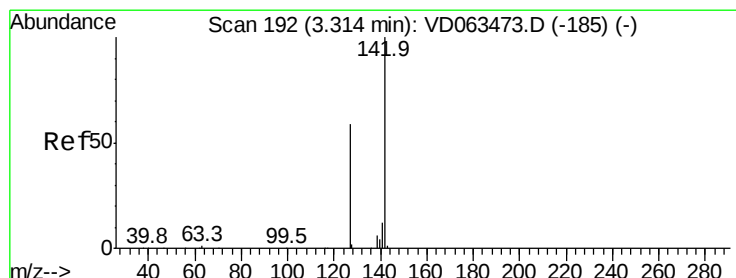
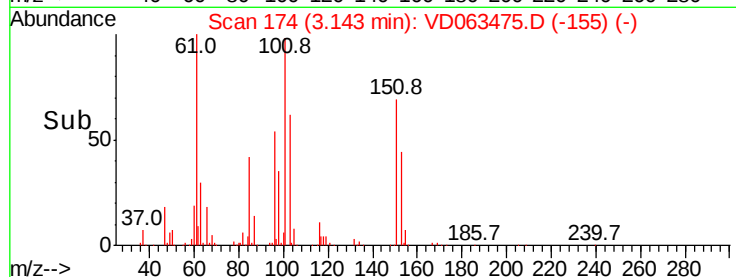
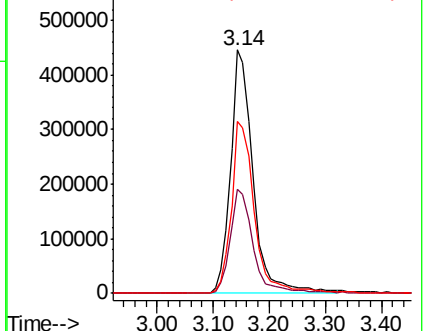
151 70.8 58.6 88.0



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

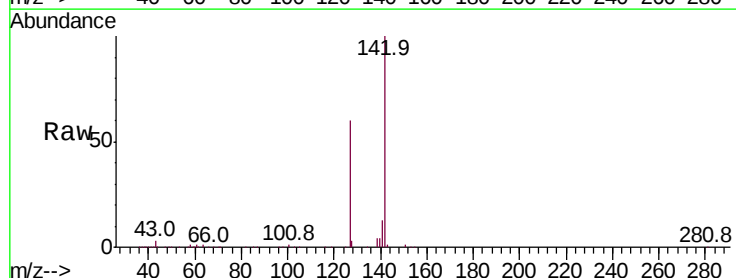
Tgt Ion:142 Resp: 1975748

Ion Ratio Lower Upper

142 100

127 60.2 47.2 70.8

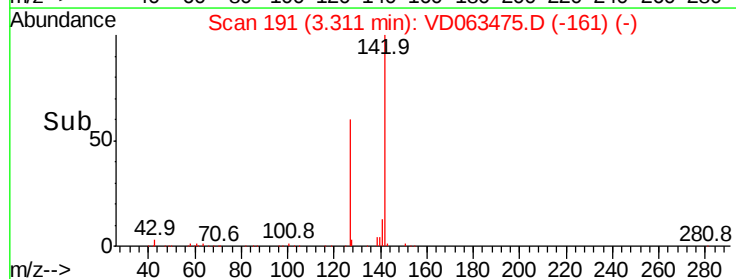
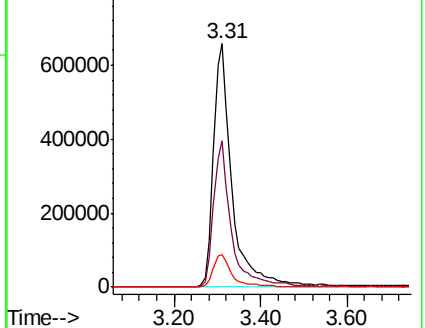
141 13.5 9.8 14.8

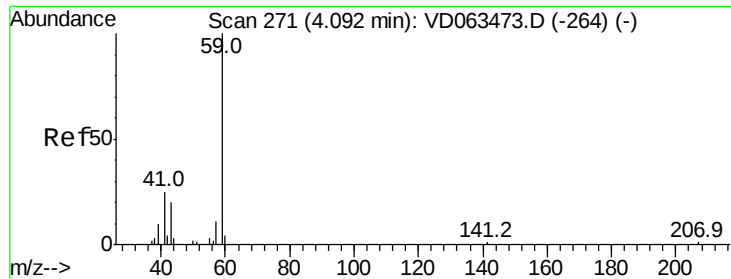


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



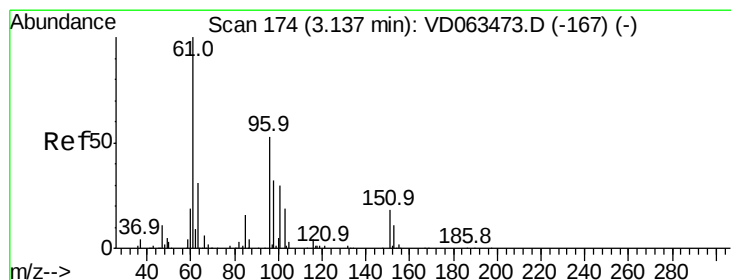
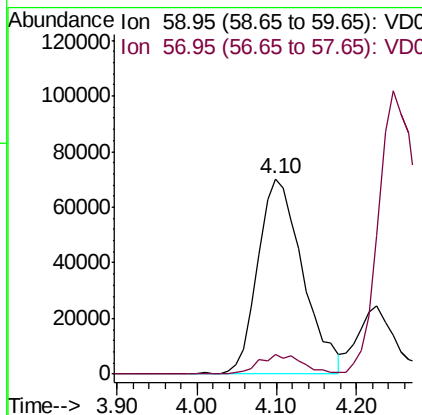
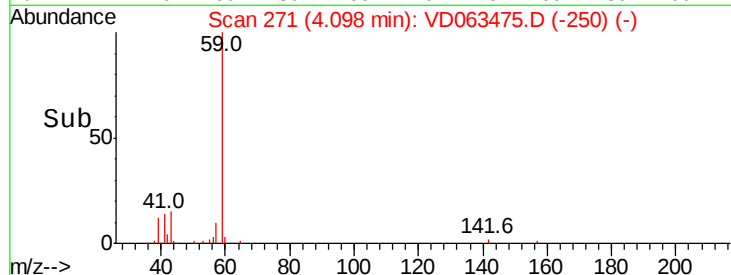
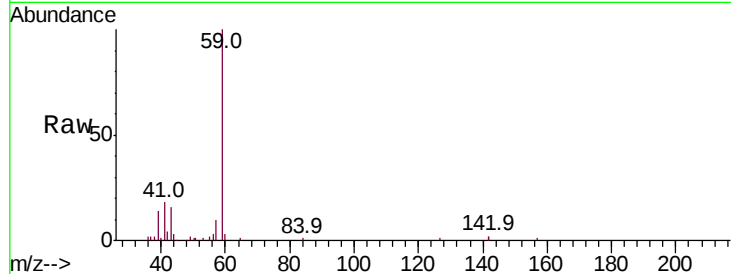


#11

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

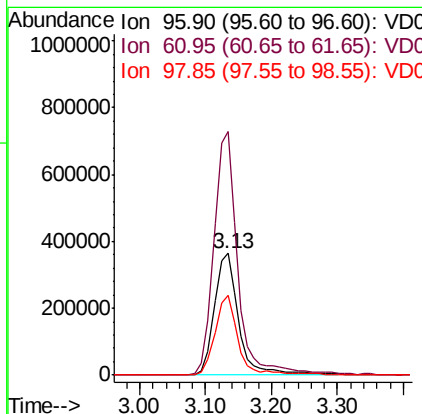
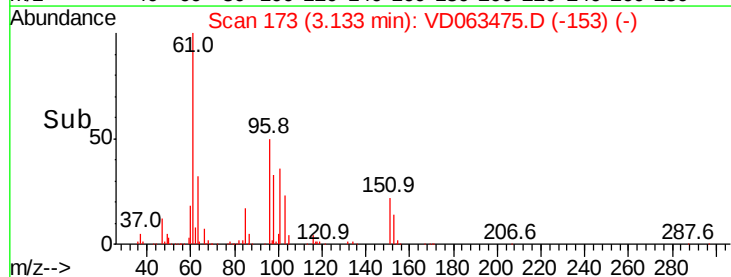
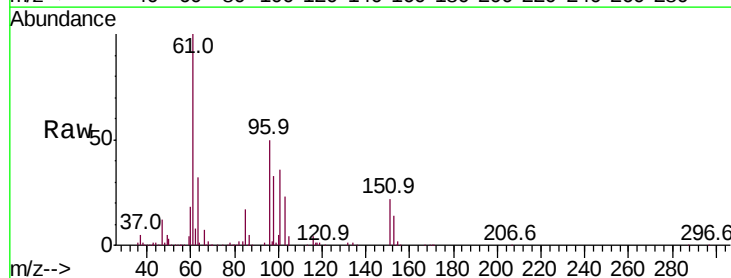
Tot Ion: 59 Resp: 273740
Ion Ratio Lower Upper
59 100
57 10.3 8.7 13.1

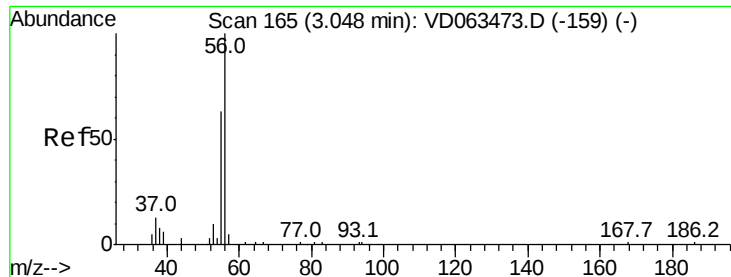


#12

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 :

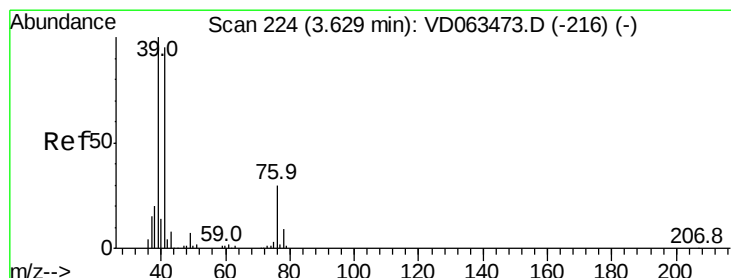
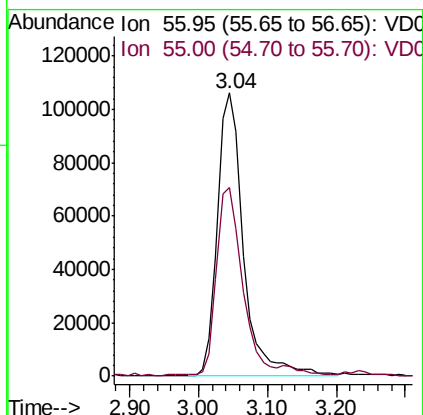
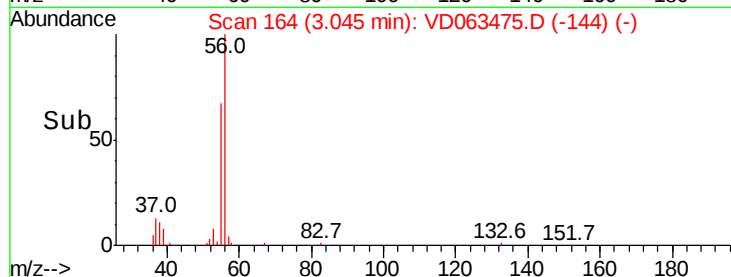
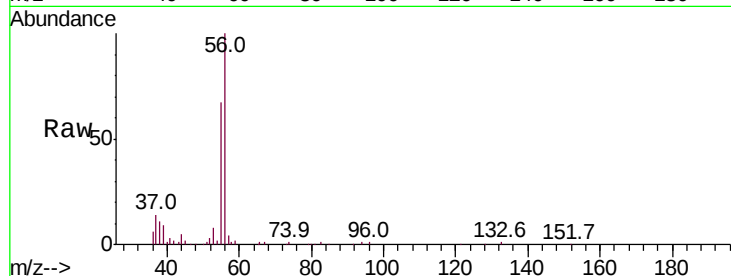
VSTDIC100

Tot 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

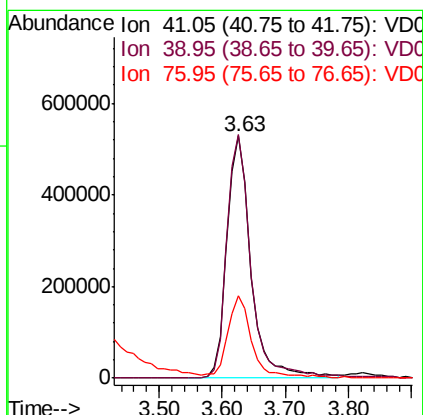
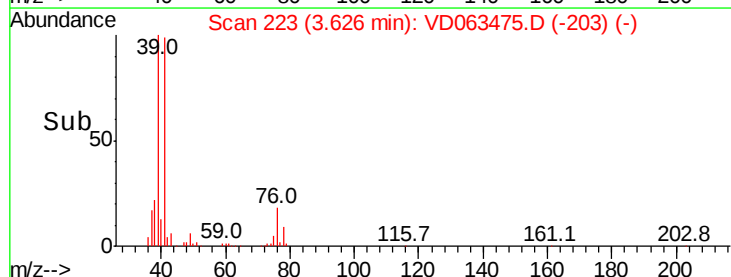
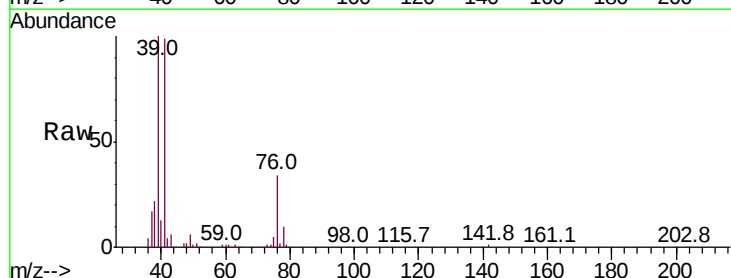
Tgt Ion: 41 Resp: 1405158

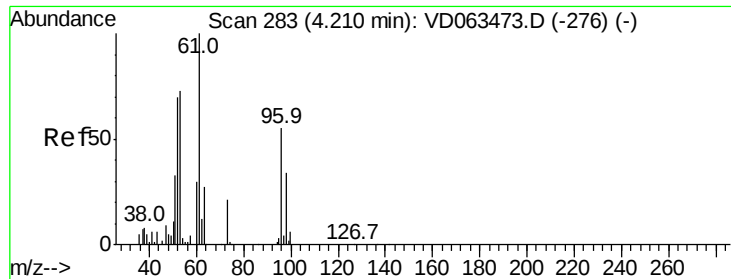
Ion Ratio Lower Upper

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

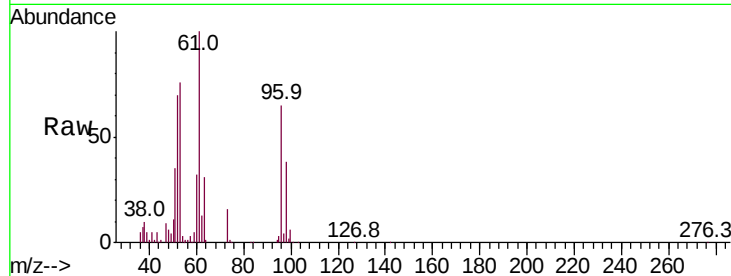
Tot Ion: 53 Resp: 763779

Ion Ratio Lower Upper

53 100

52 91.9 77.4 116.0

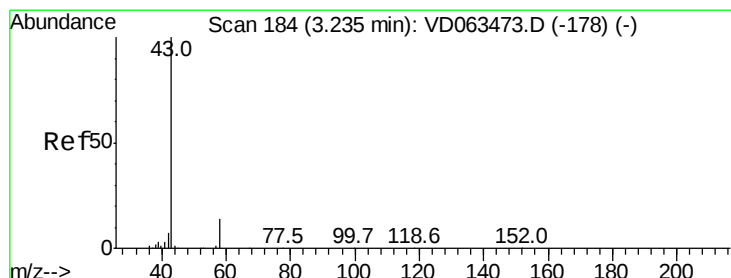
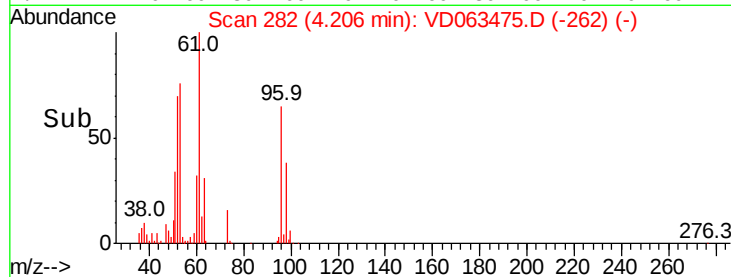
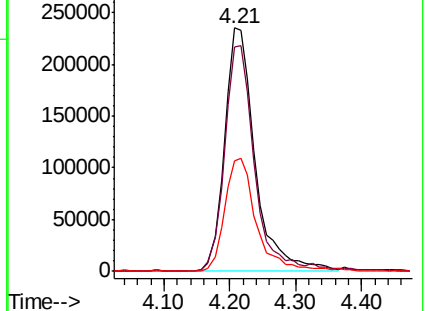
51 45.3 36.7 55.1



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 521.982 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD063475.D

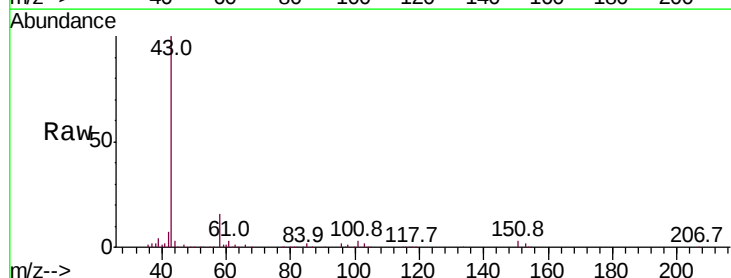
Acq: 9 Aug 2019 15:51

Tgt Ion: 43 Resp: 1405293

Ion Ratio Lower Upper

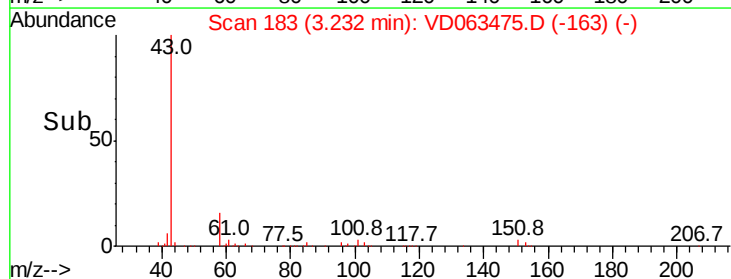
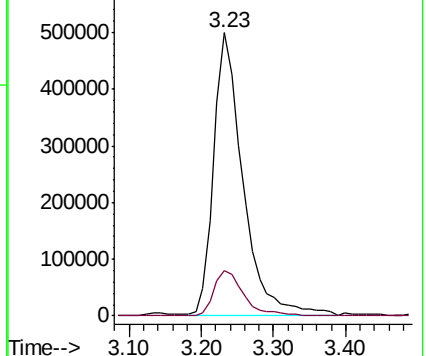
43 100

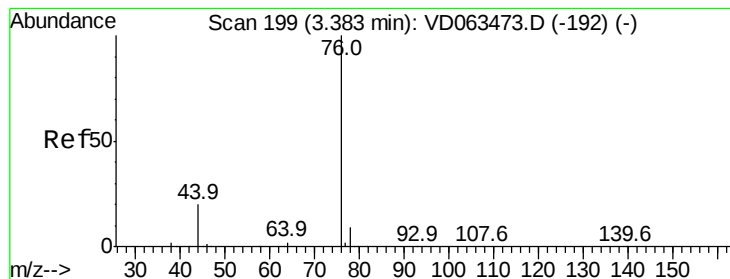
58 16.2 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#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 :

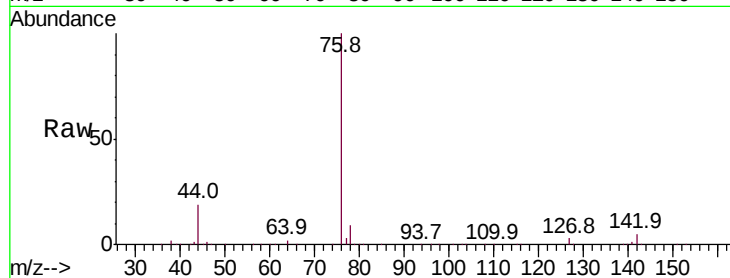
VSTDIC100

Tot 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

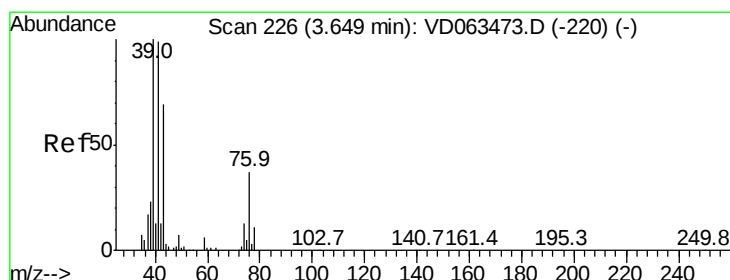
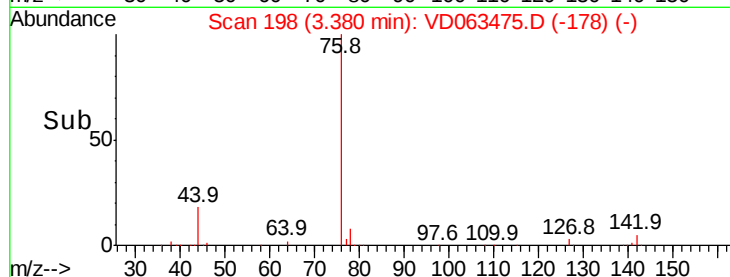
3.38

1000000

500000

0

Time--> 3.20 3.30 3.40 3.50 3.60



#18

Methyl Acetate

Concen: 91.421 ug/l

RT: 3.66 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD063475.D

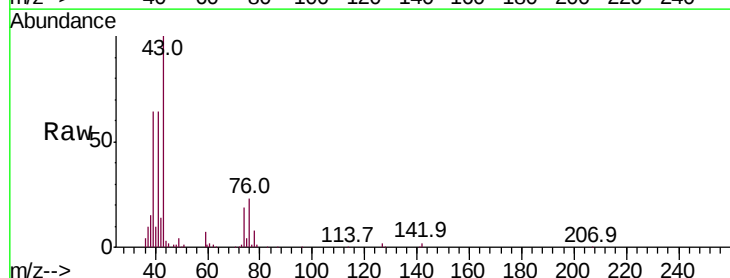
Acq: 9 Aug 2019 15:51

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

200000

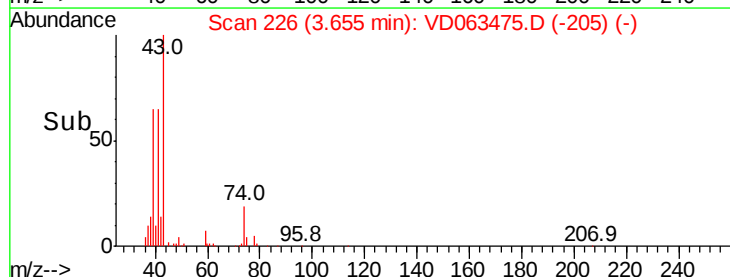
150000

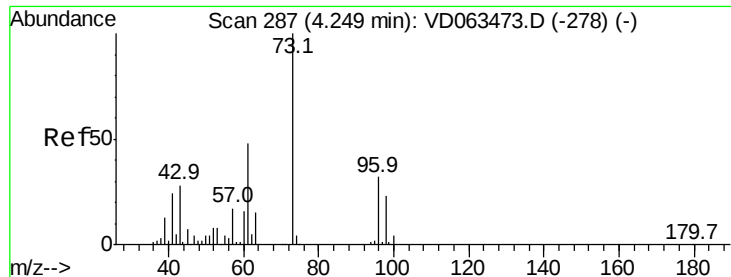
100000

50000

0

Time--> 3.50 3.60 3.70 3.80

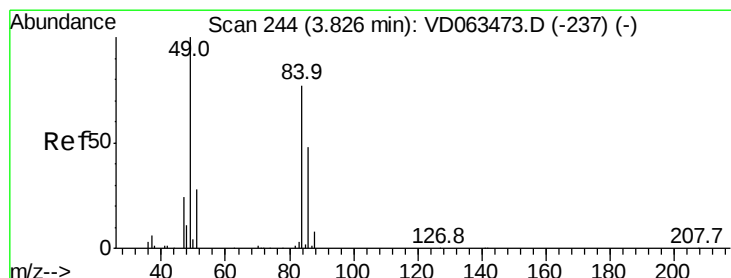
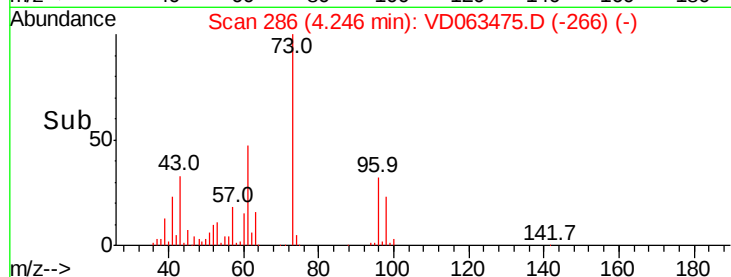
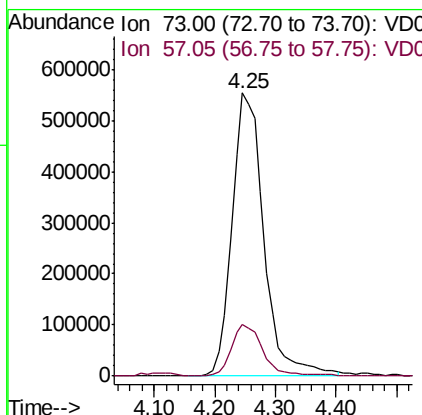
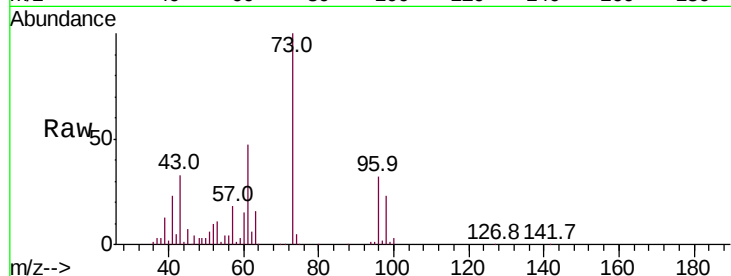




#19
Methvl tert-butvl Ether
Concen: 101.248 ug/l
RT: 4.25 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

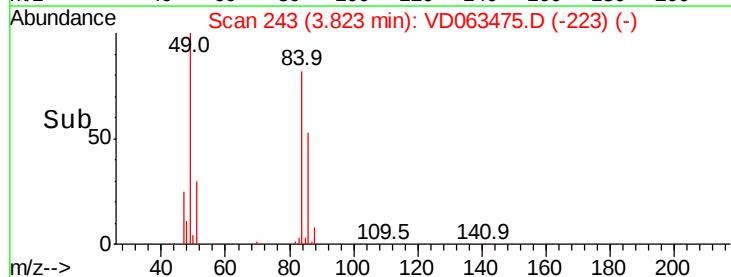
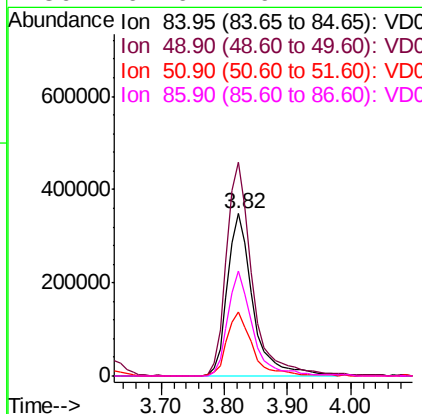
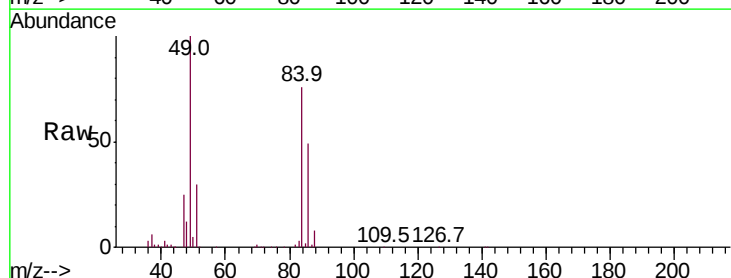
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

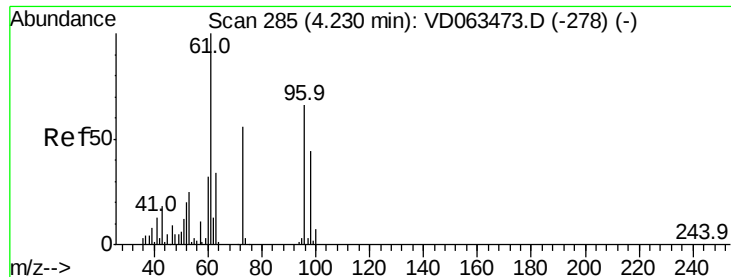
Tot Ion: 73 Resp: 2015094
Ion Ratio Lower Upper
73 100
57 18.4 14.0 21.0



#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

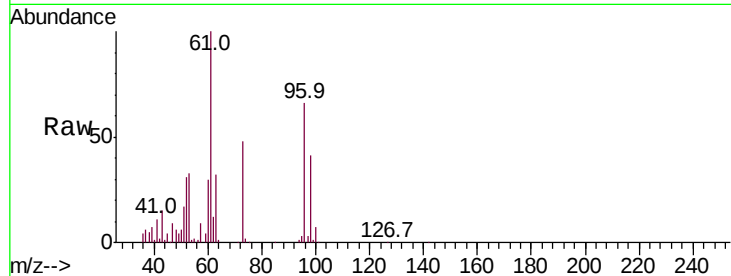
Tot Ion: 96 Resp: 1013286

Ion Ratio Lower Upper

96 100

61 151.4 121.7 182.5

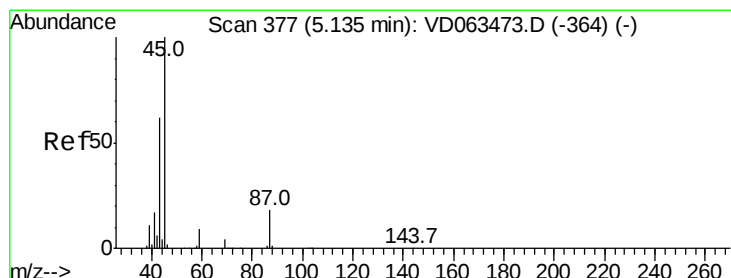
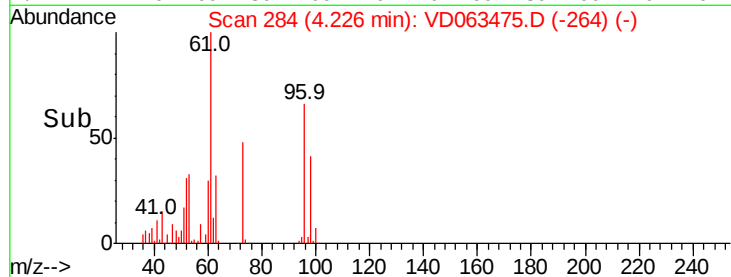
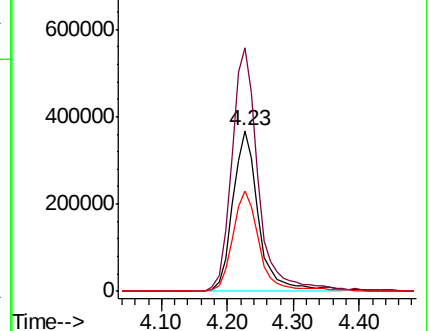
98 62.4 54.2 81.2



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

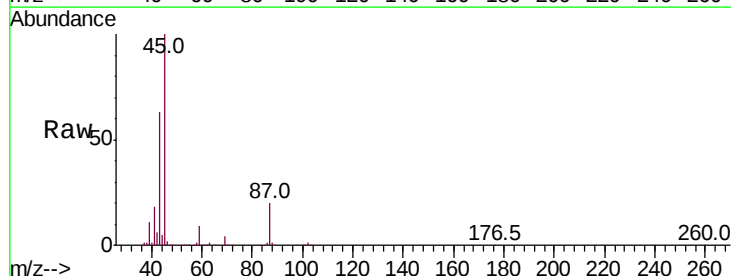
Ion Ratio Lower Upper

45 100

43 63.3 50.3 75.5

87 19.5 14.3 21.5

59 9.2 7.7 11.5

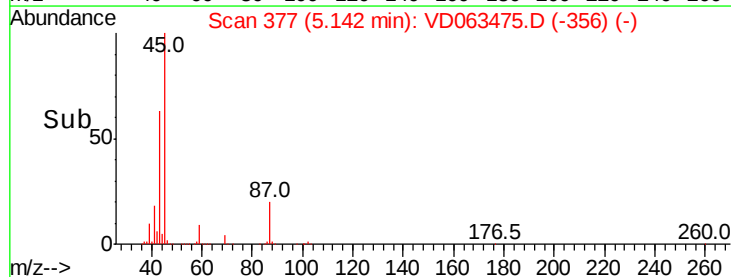
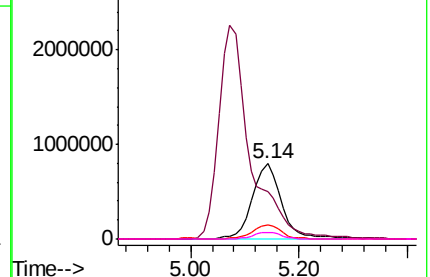


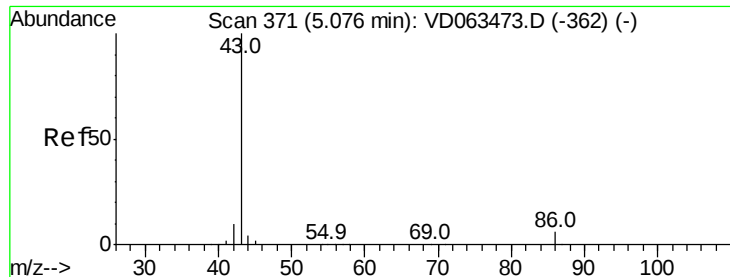
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

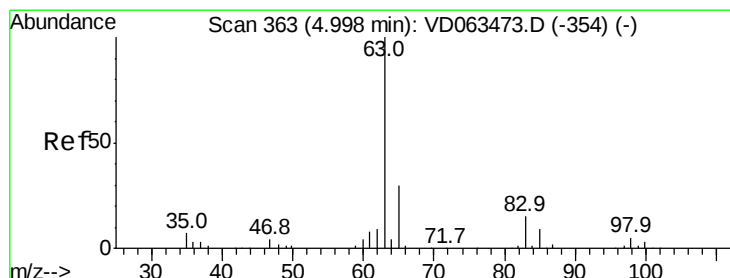
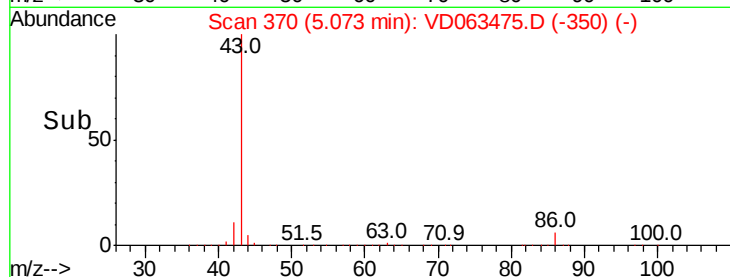
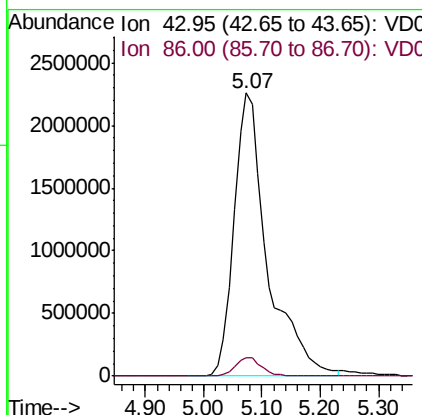
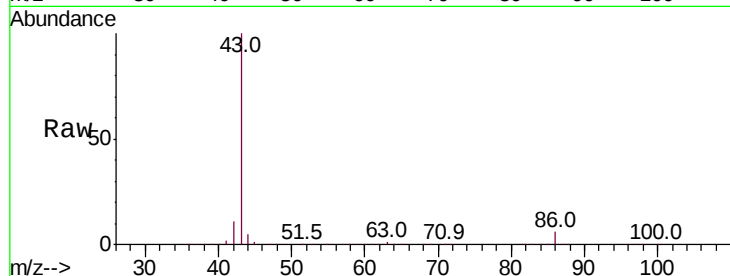




#23
 Vinyl Acetate
 Concen: 502.730 ug/l
 RT: 5.07 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

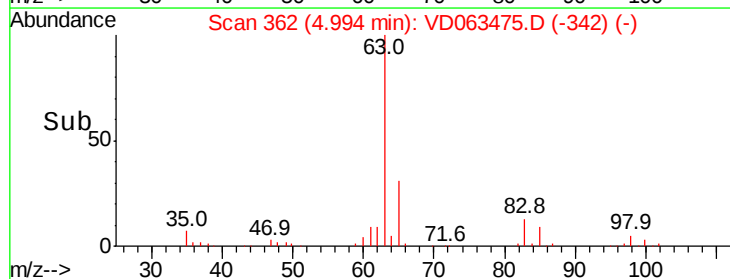
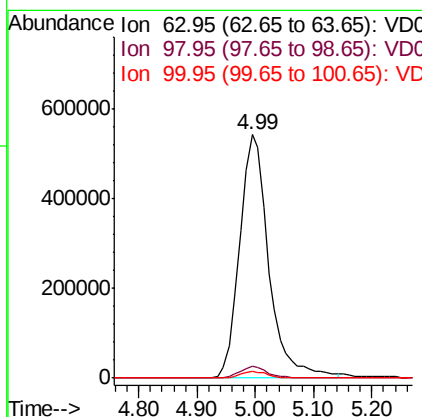
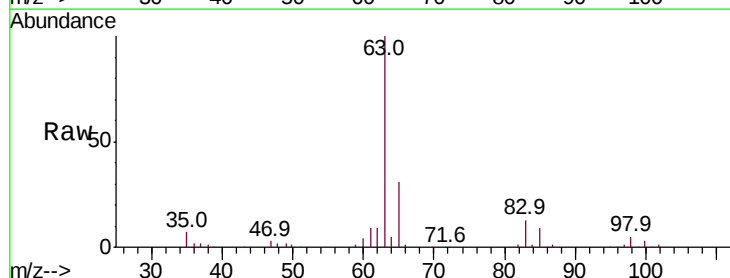
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

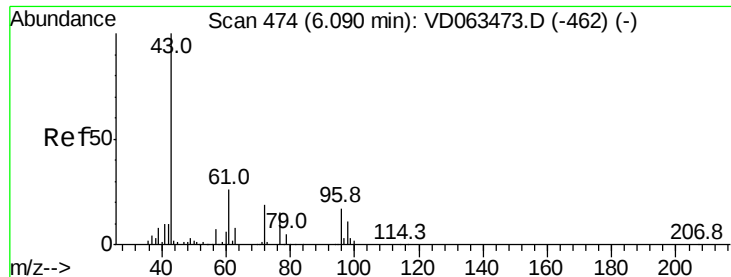
Tot Ion: 43 Resp: 9010934
 Ion Ratio Lower Upper
 43 100
 86 6.4 4.8 7.2



#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 :

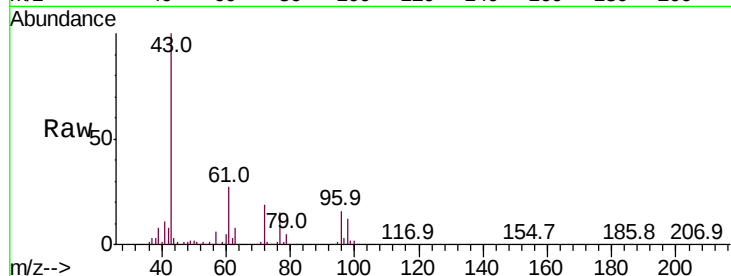
VSTDIC100

Tot Ion: 43 Resp: 1384422

Ion Ratio Lower Upper

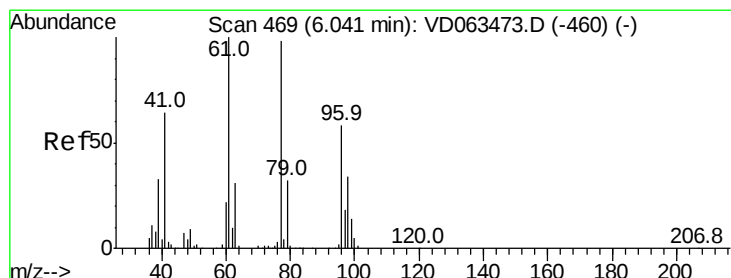
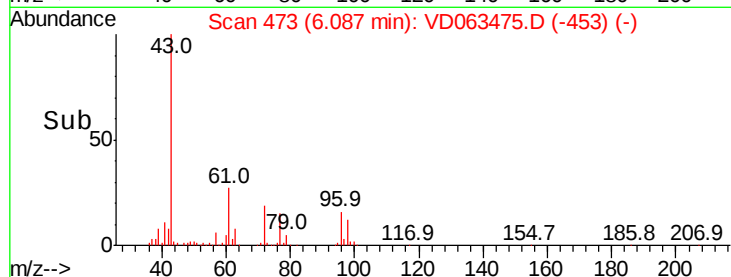
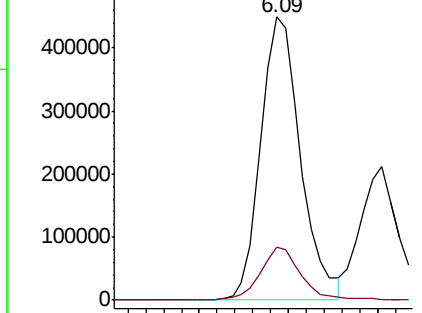
43 100

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

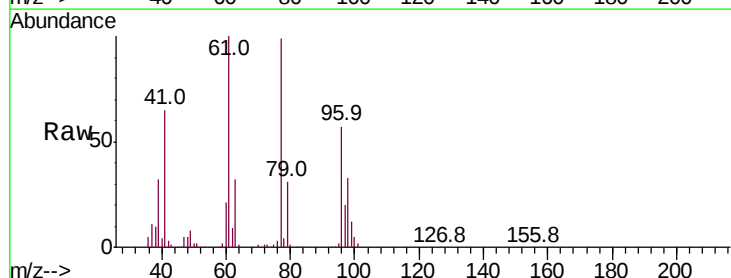
Acq: 9 Aug 2019 15:51

Tgt Ion: 77 Resp: 1834846

Ion Ratio Lower Upper

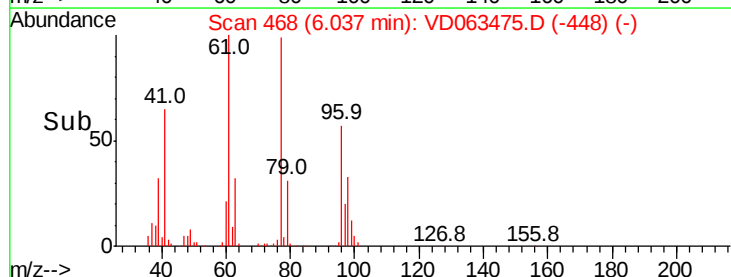
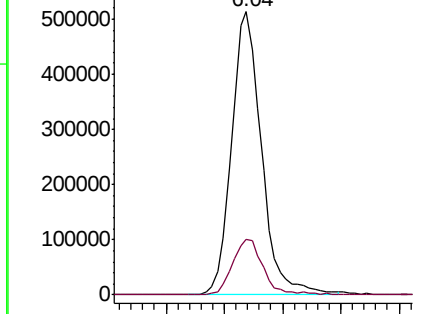
77 100

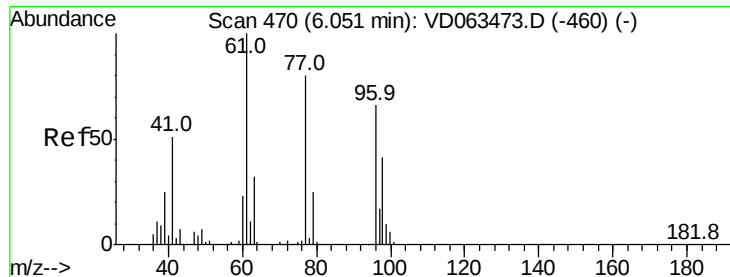
97 19.8 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



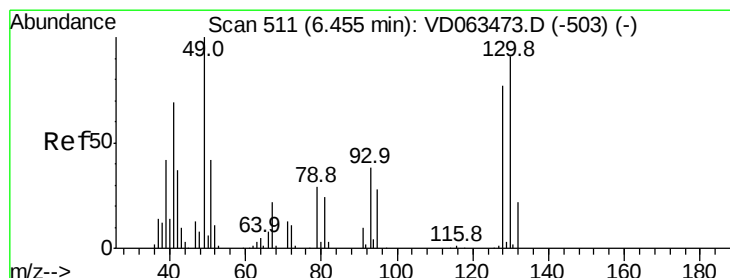
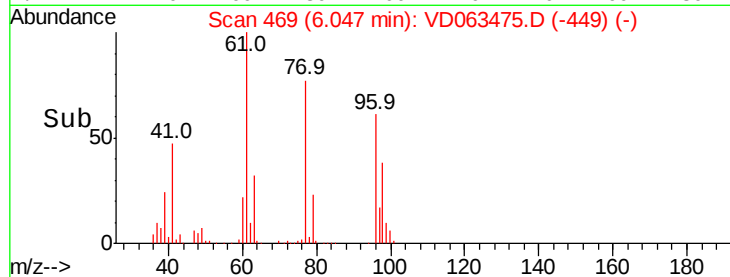
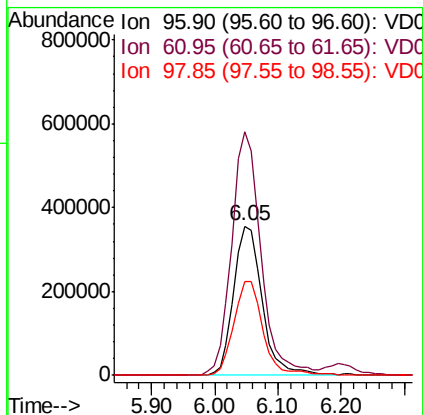
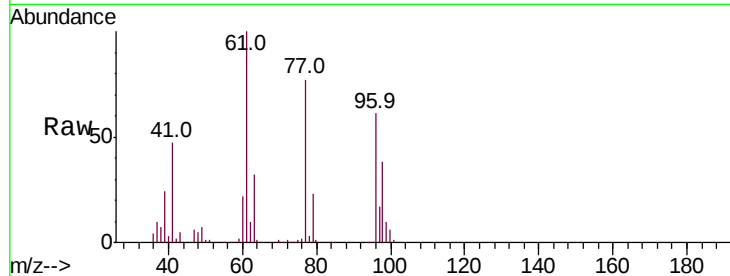


#27

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

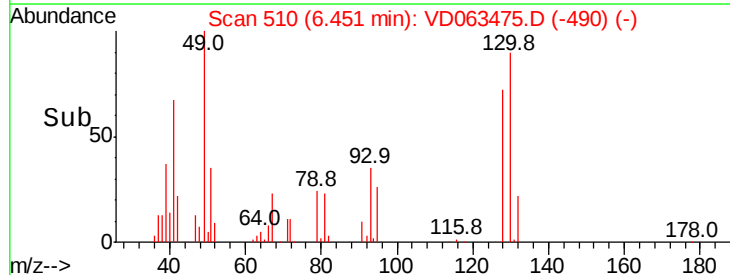
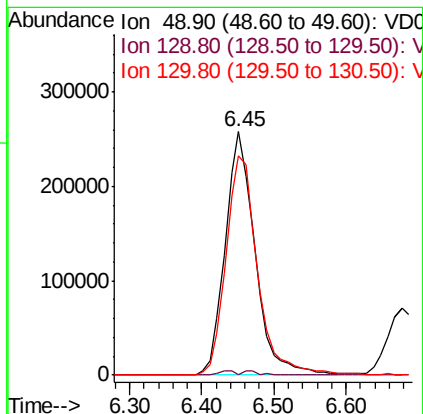
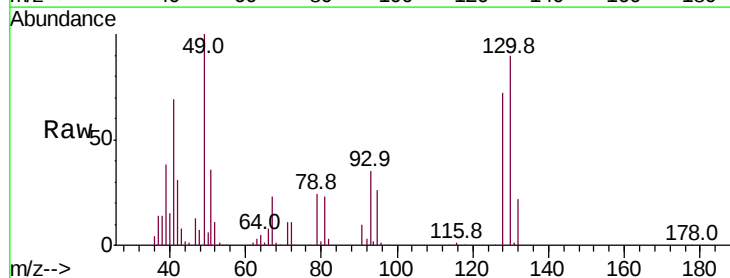
Tot Ion: 96 Resp: 1115095
Ion Ratio Lower Upper
96 100
61 163.3 0.0 304.0
98 62.7 0.0 124.8

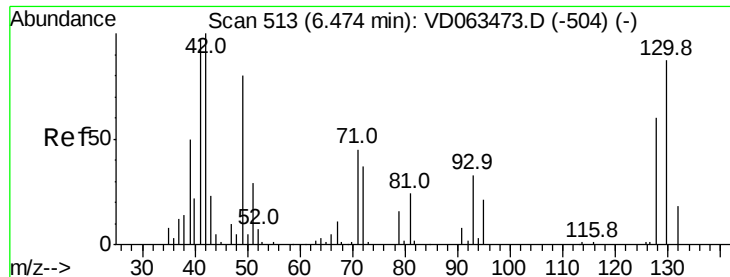


#28

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

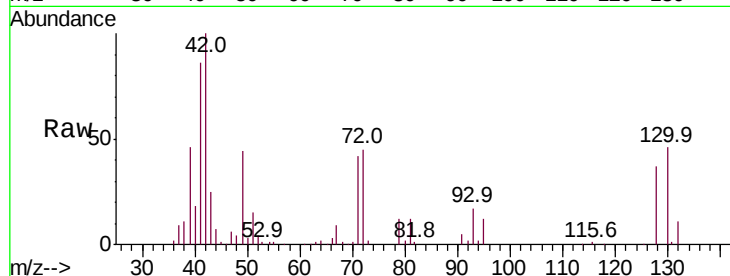
Tot Ion: 42 Resp: 610923

Ion Ratio Lower Upper

42 100

72 40.9 31.5 47.3

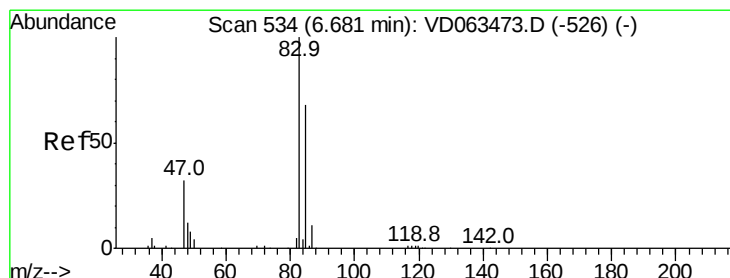
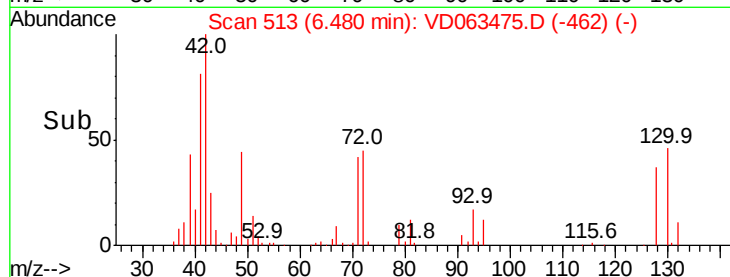
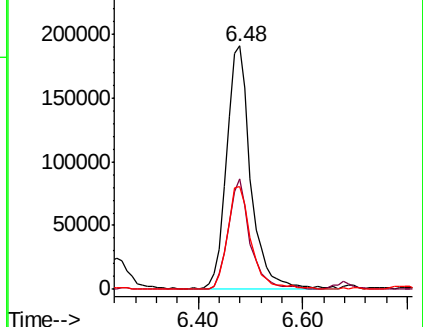
71 41.4 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 91.359 ug/l

RT: 6.68 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD063475.D

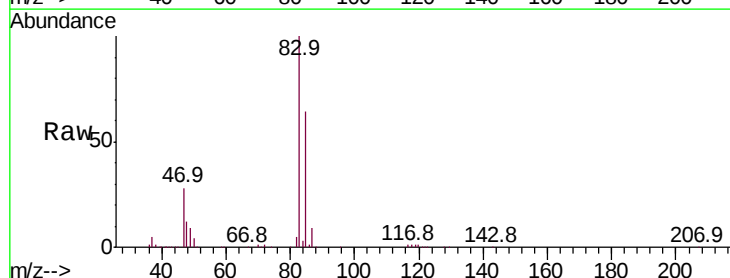
Acq: 9 Aug 2019 15:51

Tgt Ion: 83 Resp: 2174535

Ion Ratio Lower Upper

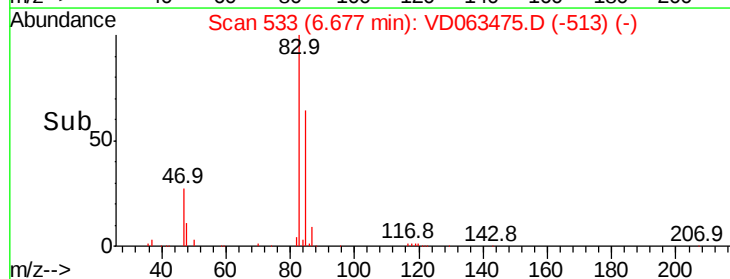
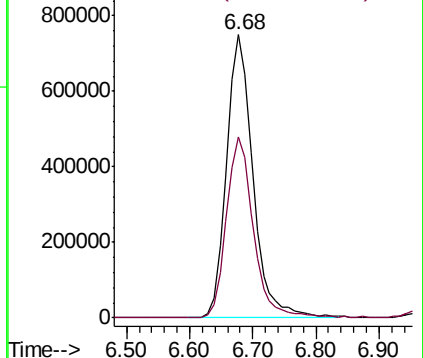
83 100

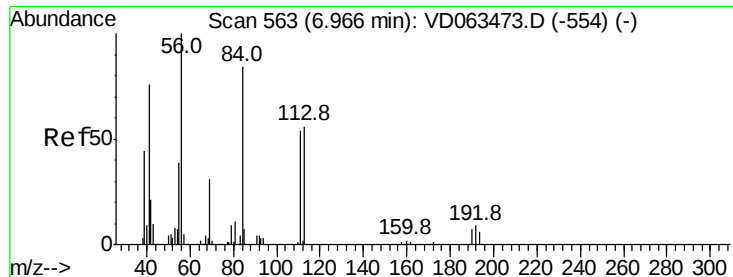
85 63.9 54.8 82.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

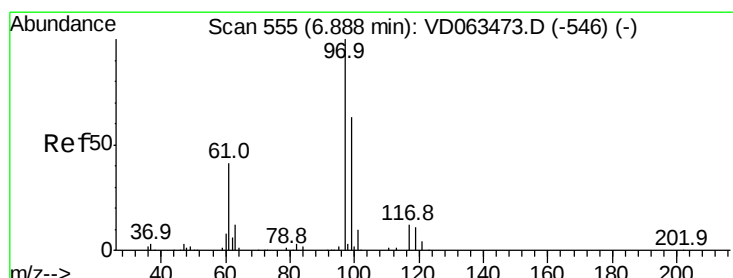
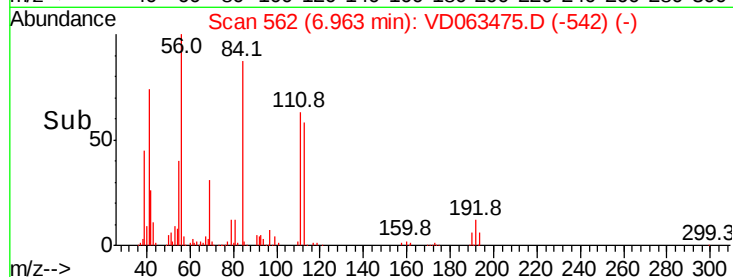
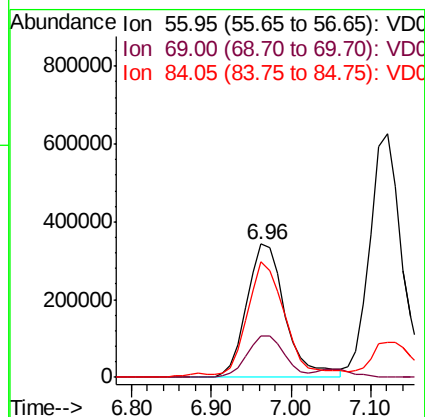
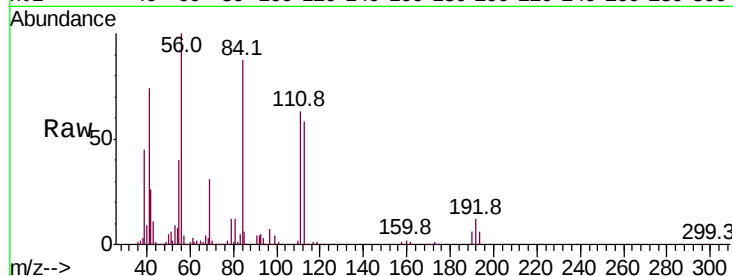




#31
Cyclohexane
Concen: 96.157 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

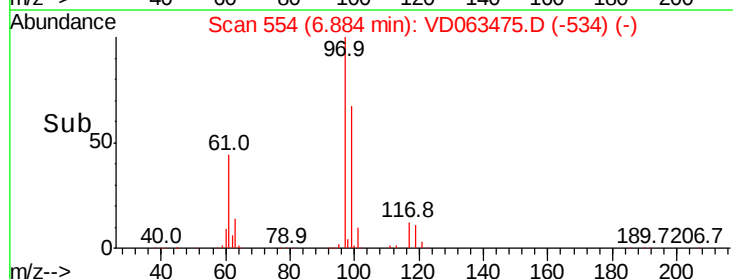
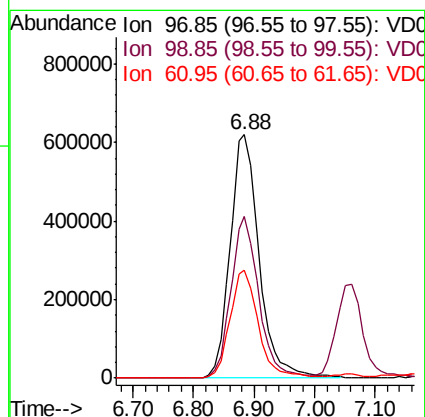
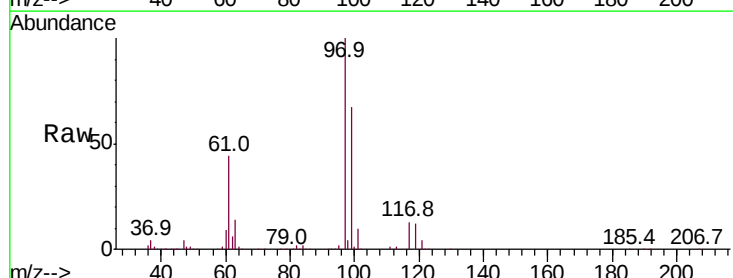
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

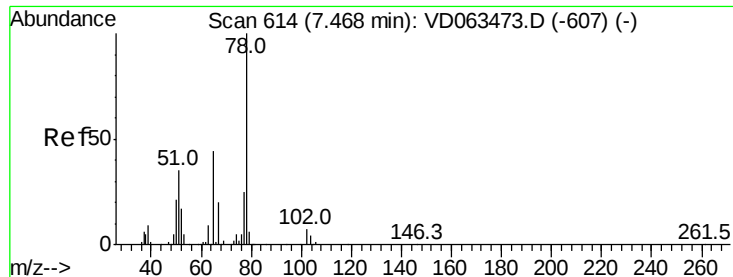
Tot Ion: 56 Resp: 1143025
Ion Ratio Lower Upper
56 100
69 31.1 25.0 37.6
84 87.0 69.7 104.5



#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

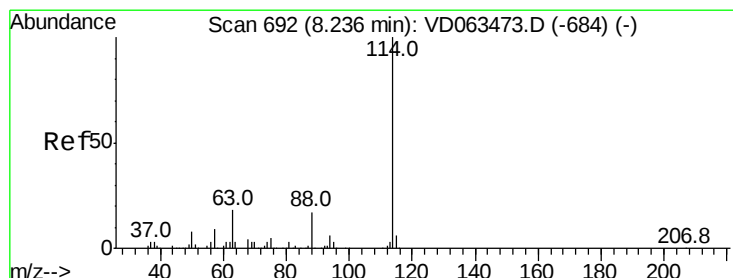
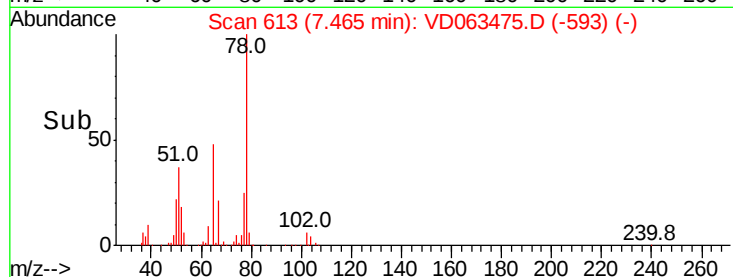
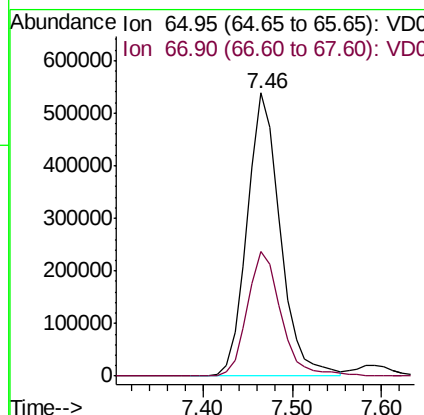
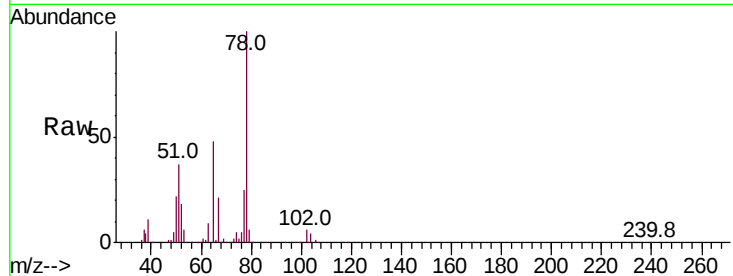




#33
 1,2-Dichloroethane-d4
 Concen: 104.995 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

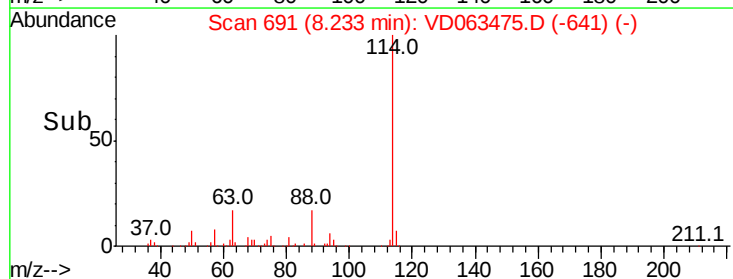
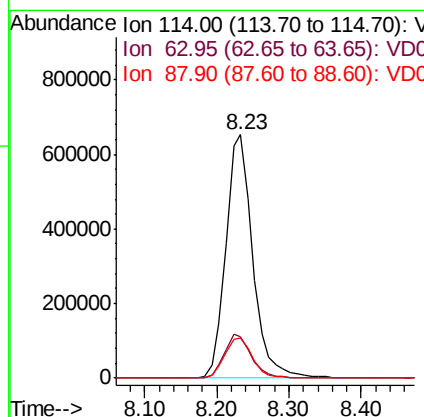
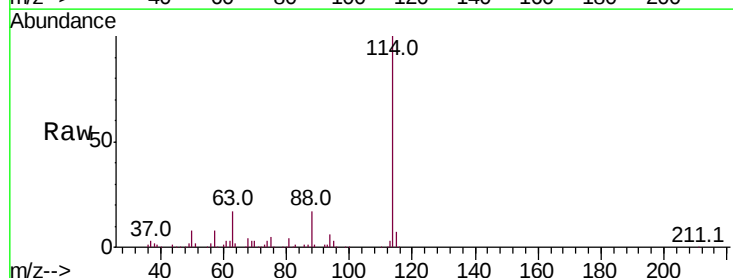
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

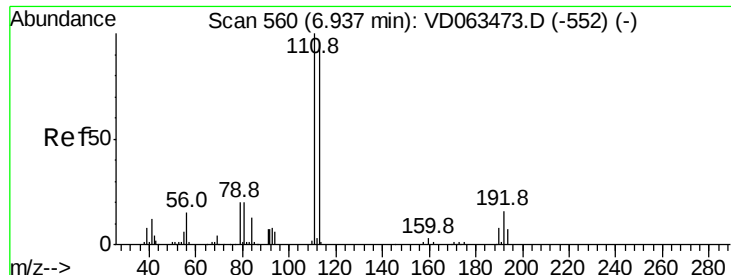
Tot Ion: 65 Resp: 1382170
 Ion Ratio Lower Upper
 65 100
 67 43.9 0.0 89.2



#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

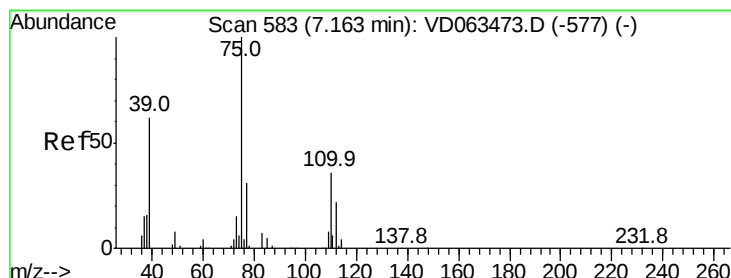
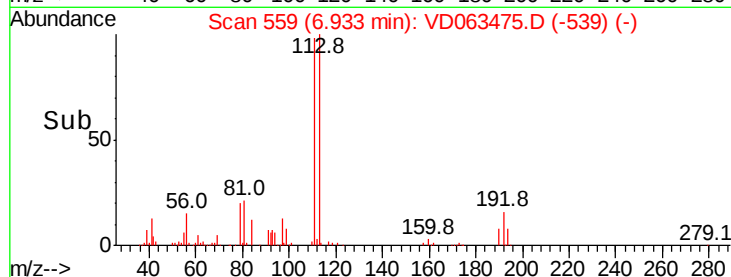
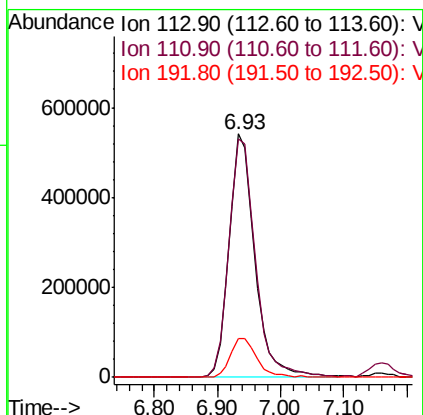
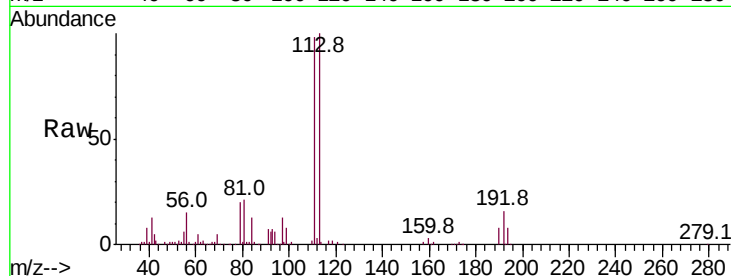




#35
 Dibromofluoromethane
 Concen: 107.317 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

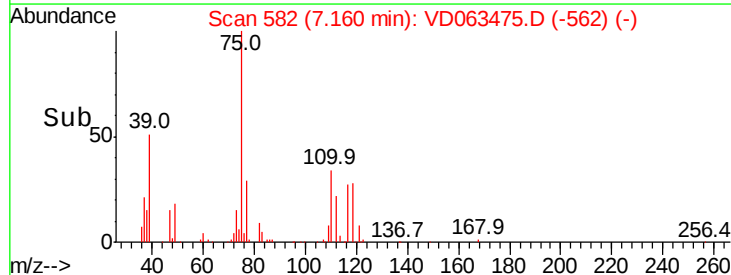
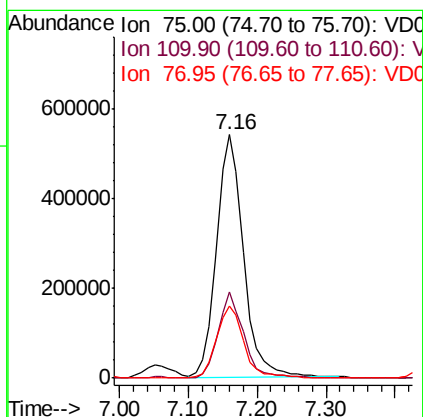
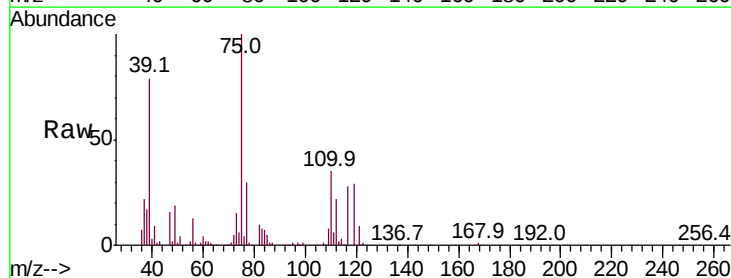
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

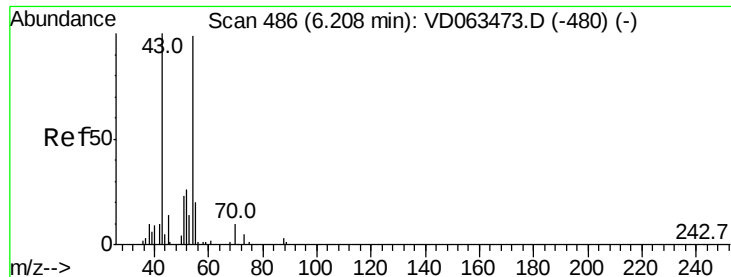
Tot Ion:113 Resp: 1521622
 Ion Ratio Lower Upper
 113 100
 111 97.8 83.1 124.7
 192 16.1 13.1 19.7



#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

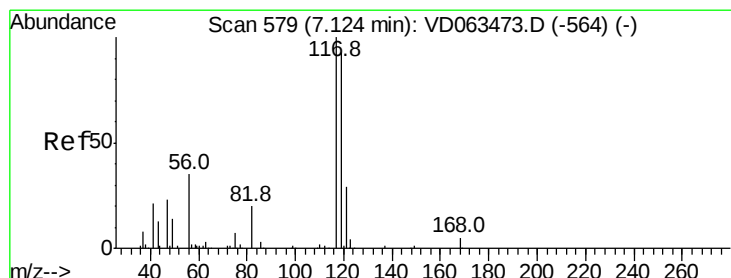
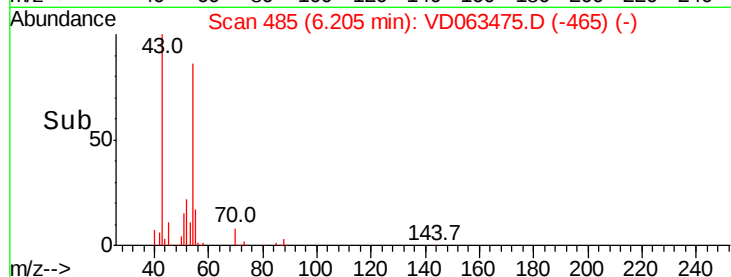
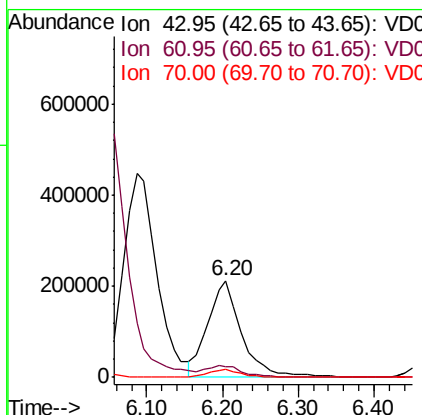
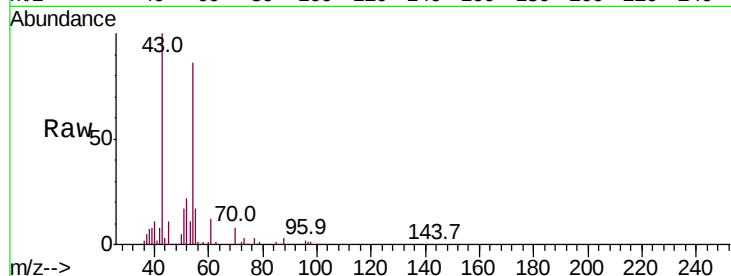




#37
Ethyl Acetate
Concen: 103.816 ug/l
RT: 6.20 min Scan# 485
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

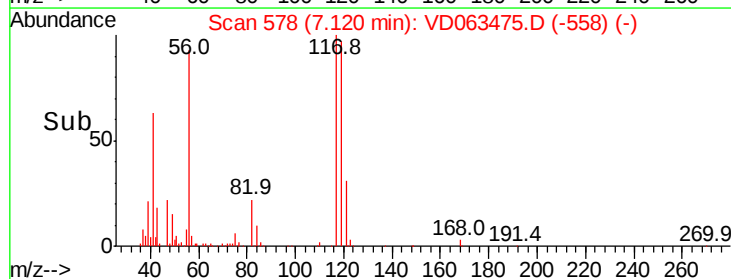
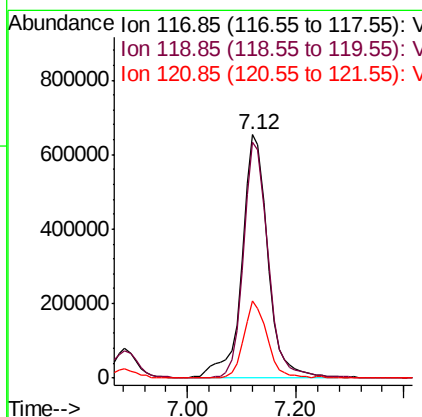
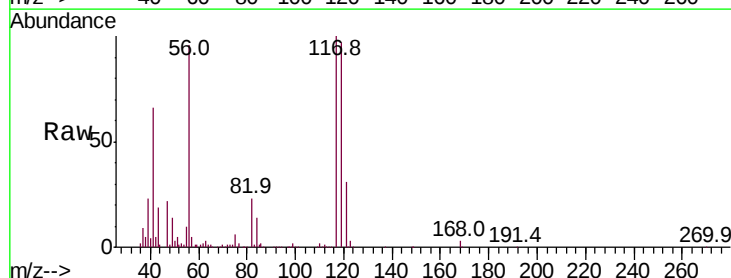
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

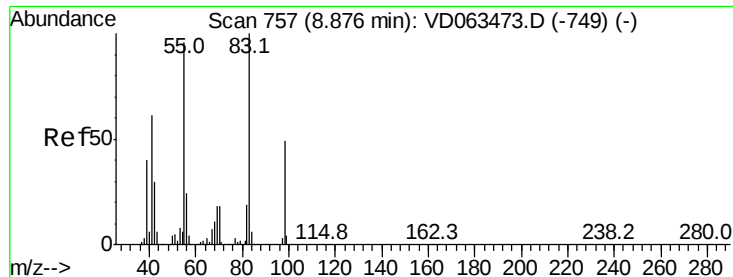
Tot Ion: 43 Resp: 645862
Ion Ratio Lower Upper
43 100
61 11.6 9.0 13.6
70 8.0 6.9 10.3



#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

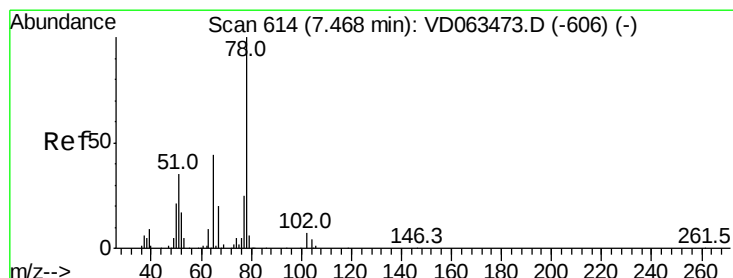
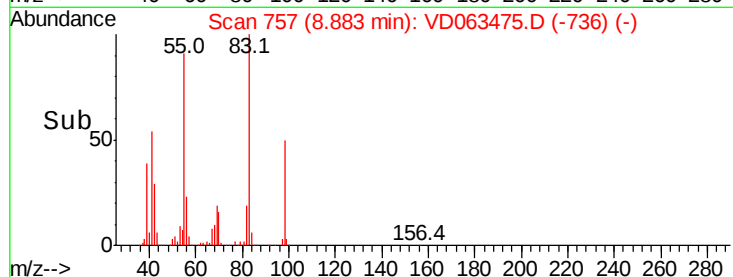
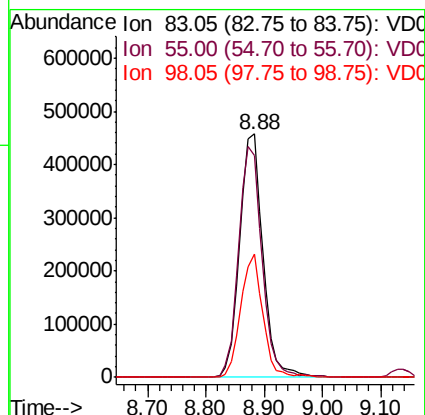
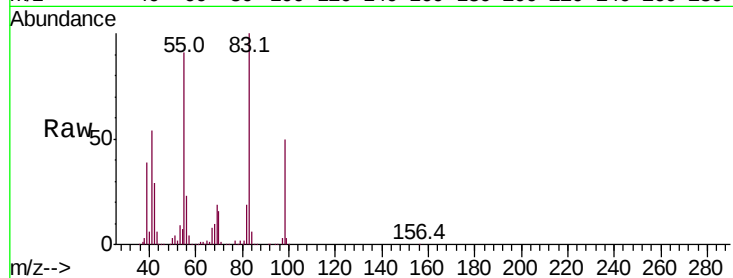




#39
Methvlcvclohexane
Concen: 100.692 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.01 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

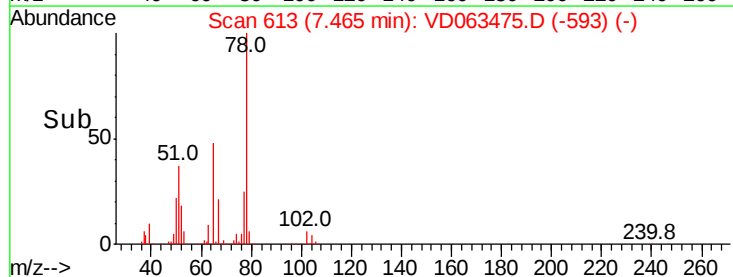
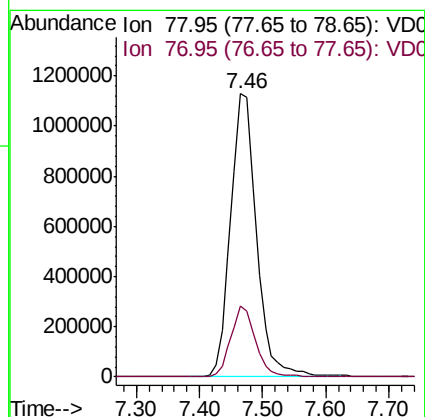
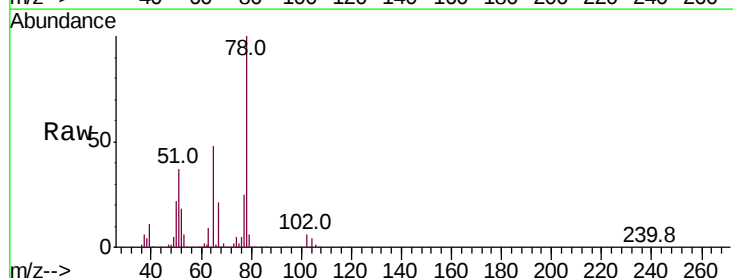
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

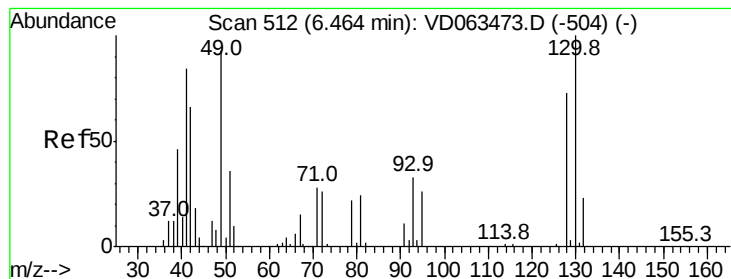
Tot Ion: 83 Resp: 1274290
Ion Ratio Lower Upper
83 100
55 91.1 76.6 114.8
98 50.4 39.4 59.0



#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





#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

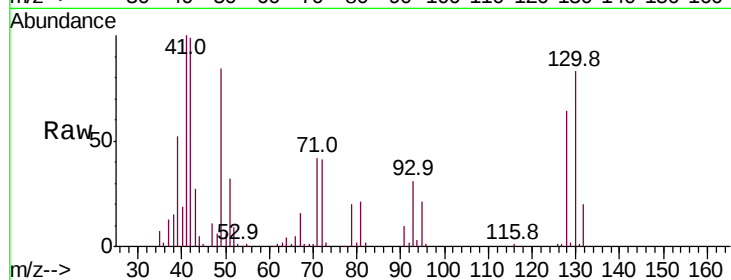
ClientSampleId :

VSTDIC100

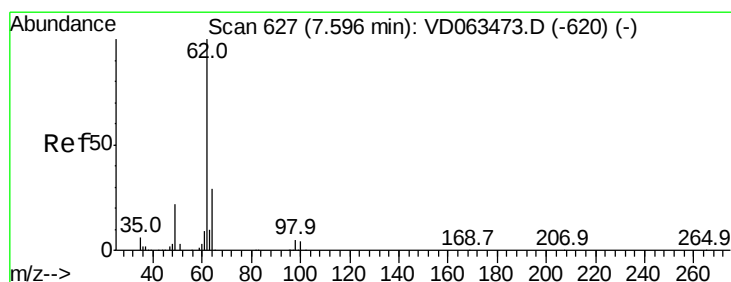
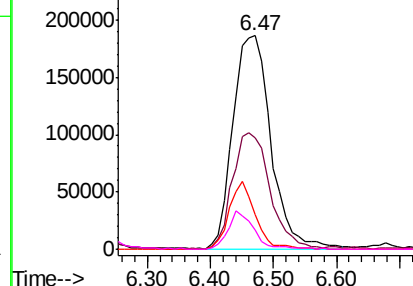
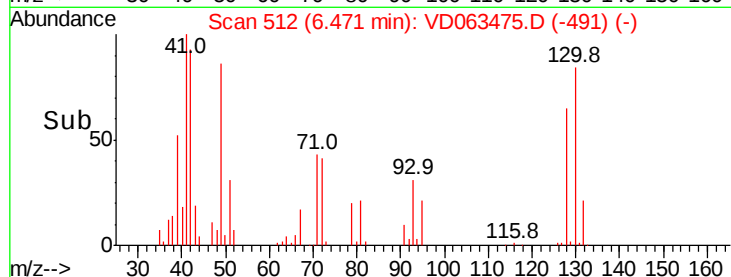
Tot Ion: 41 Resp: 775135

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#



Abundance Ion 40.95 (40.65 to 41.65): VDC
 Ion 38.95 (38.65 to 39.65): VDC
 Ion 67.00 (66.70 to 67.70): VDC
 Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 96.180 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.00 min

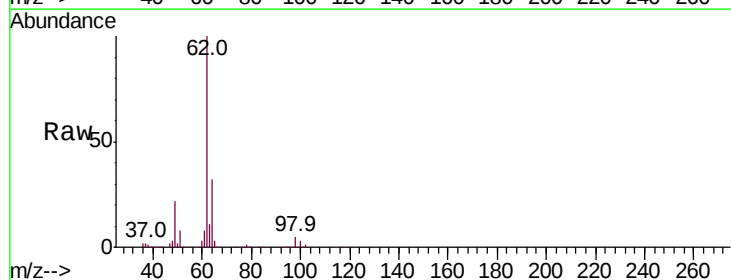
Lab File: VD063475.D

Acq: 9 Aug 2019 15:51

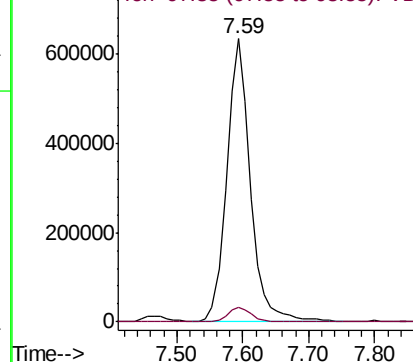
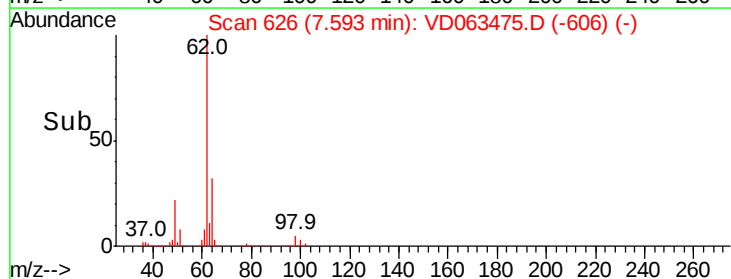
Tgt Ion: 62 Resp: 1583934

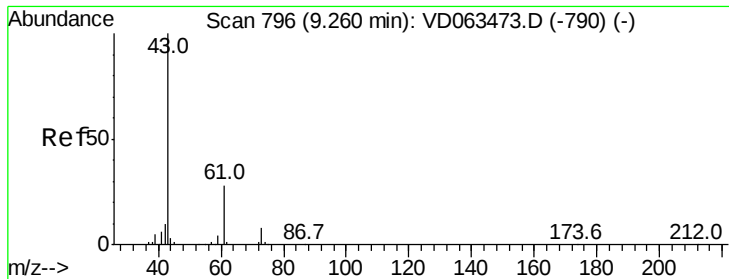
Ion Ratio Lower Upper

62	100		
98	5.1	0.0	10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC





#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

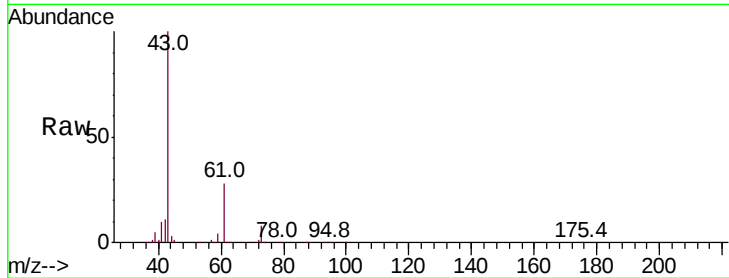
Tot Ion: 43 Resp: 840644

Ion Ratio Lower Upper

43 100

61 28.3 22.2 33.2

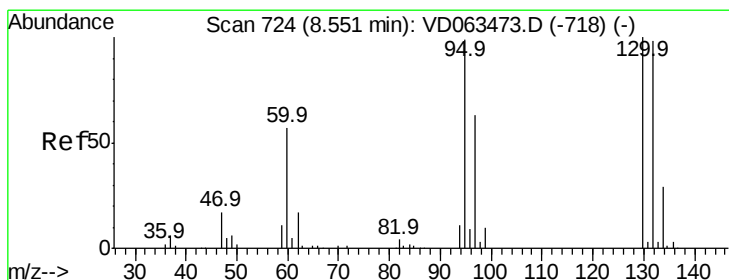
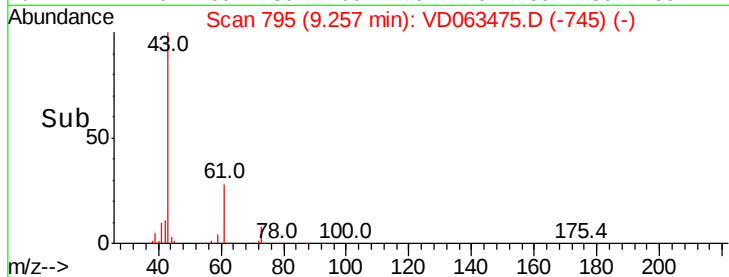
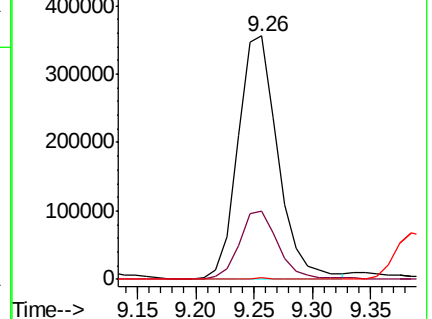
87 0.5 0.2 0.4#



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

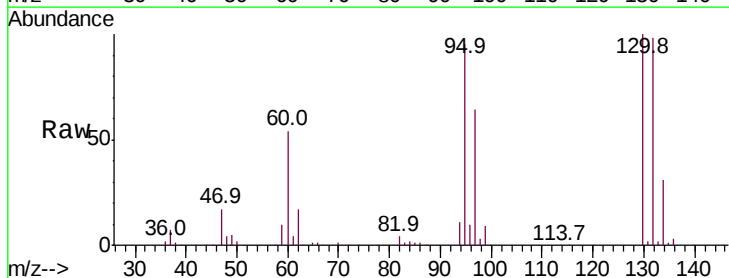
Acq: 9 Aug 2019 15:51

Tgt Ion:130 Resp: 1241194

Ion Ratio Lower Upper

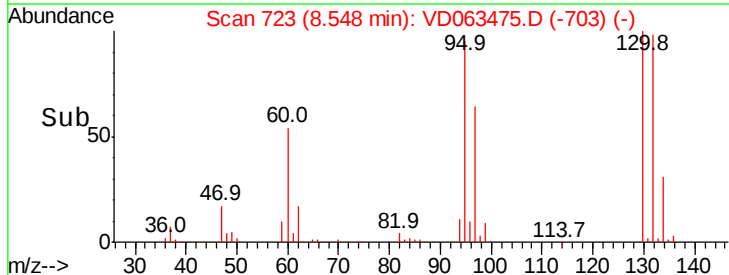
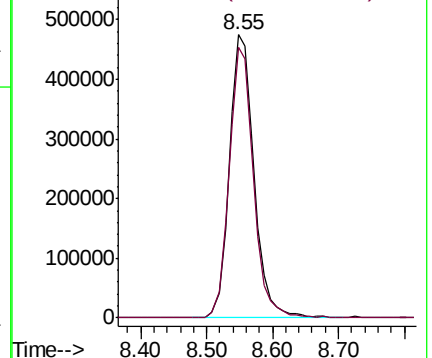
130 100

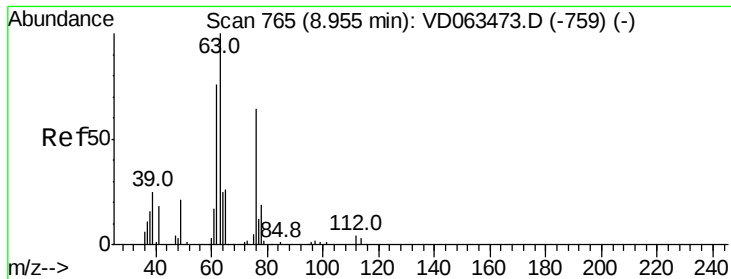
95 95.5 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

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 :

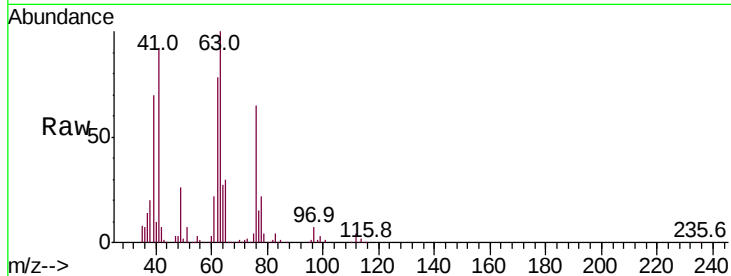
VSTDIC100

Tot 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

8.95

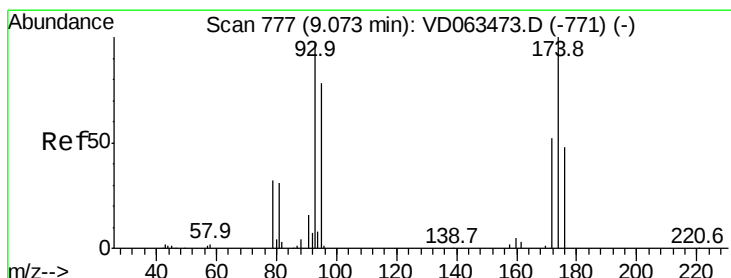
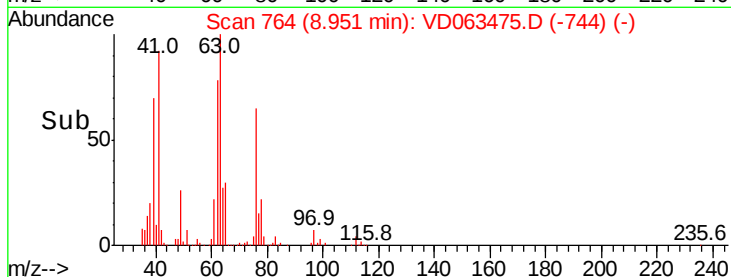
300000

200000

100000

0

Time--> 8.80 8.90 9.00 9.10



#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

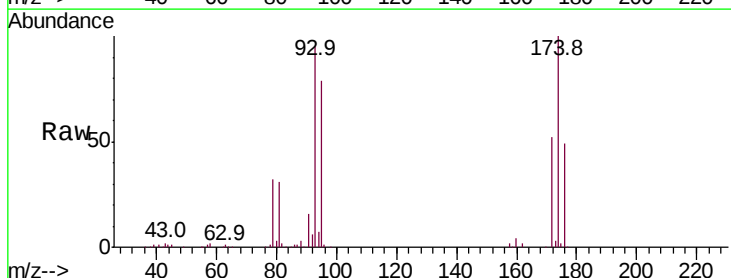
Tgt Ion: 93 Resp: 644034

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

9.07

400000

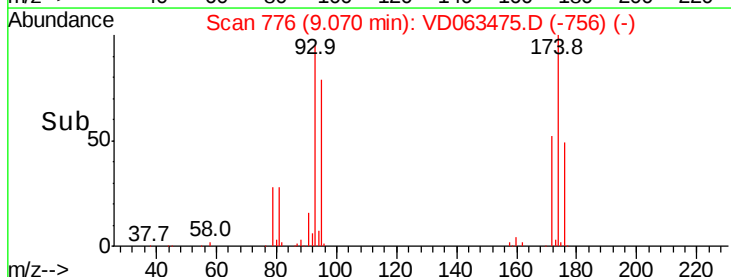
300000

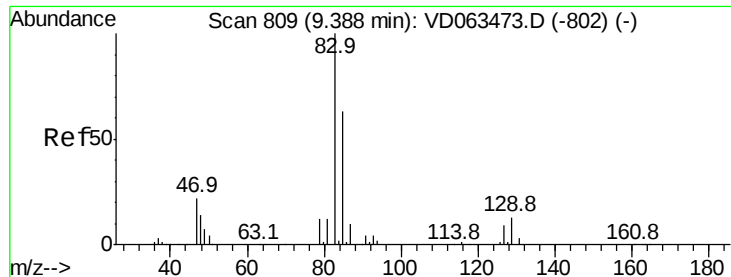
200000

100000

0

Time--> 9.00 9.10 9.20





#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

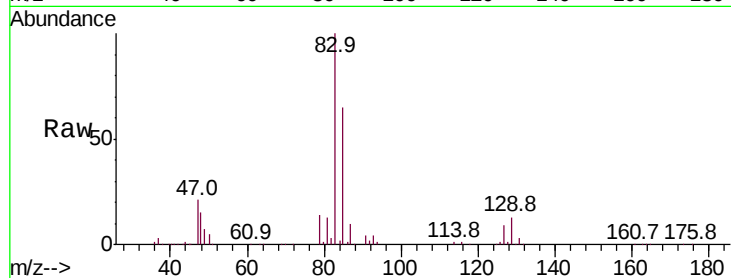
Tot Ion: 83 Resp: 1704410

Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.1	75.1
127	9.2	7.6	11.4

83 100

85 65.3 50.1 75.1

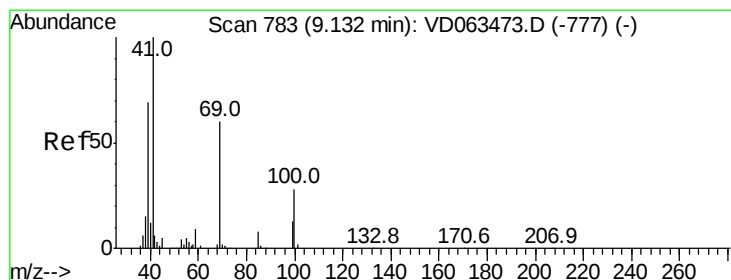
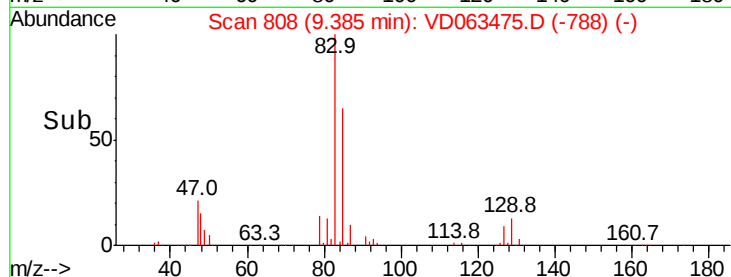
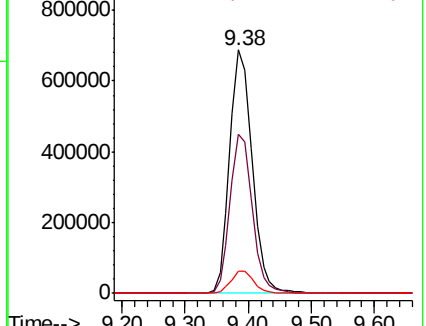
127 9.2 7.6 11.4



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

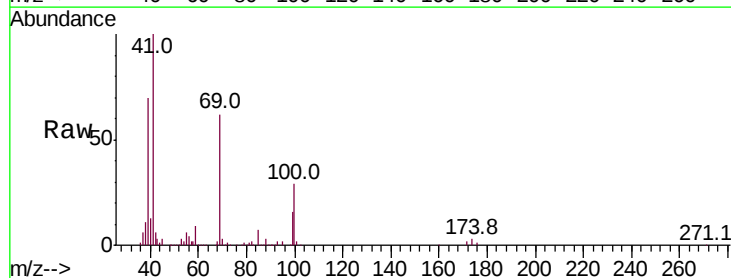
Tgt Ion: 41 Resp: 597045

Ion	Ratio	Lower	Upper
41	100		
69	61.6	47.6	71.4
39	70.3	55.7	83.5

41 100

69 61.6 47.6 71.4

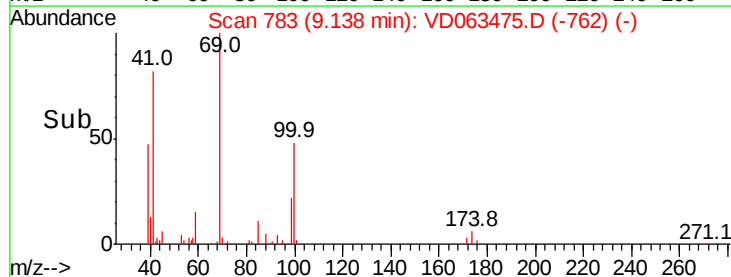
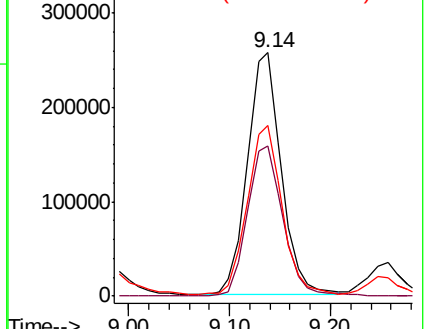
39 70.3 55.7 83.5

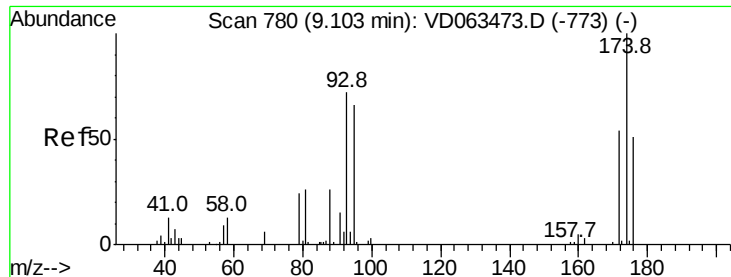


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

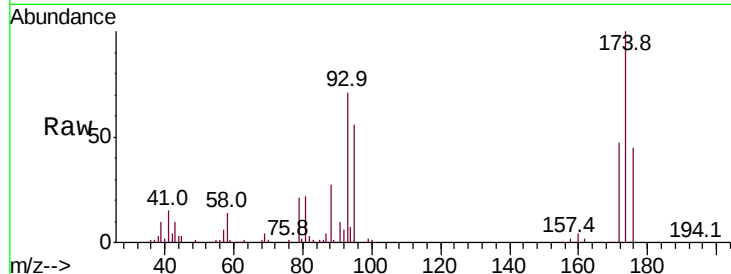




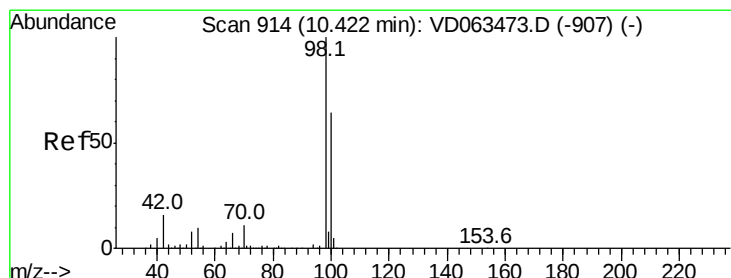
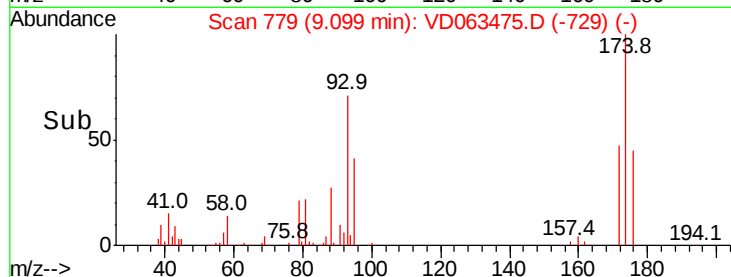
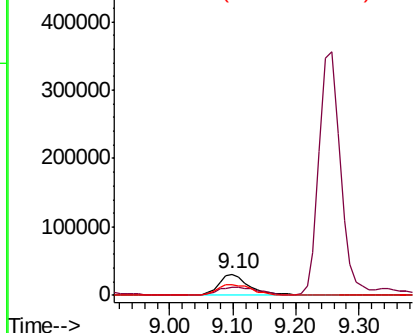
#49
1,4-Dioxane
Concen: 2108.730 ug/l
RT: 9.10 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

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

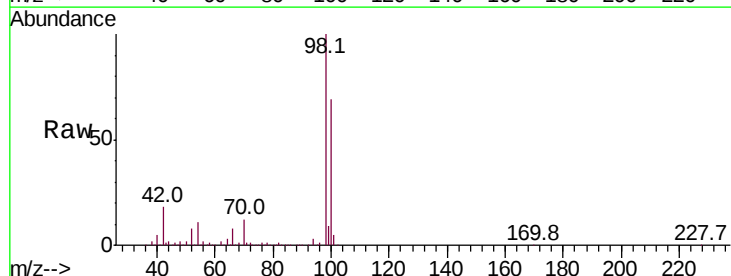


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

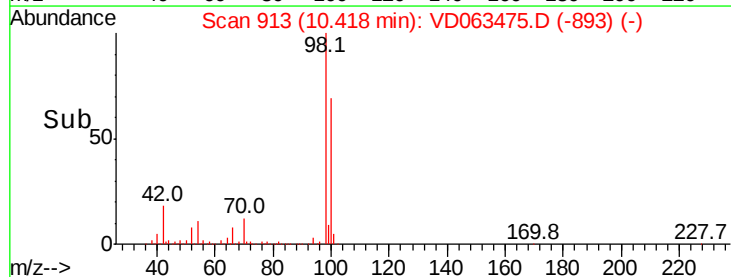
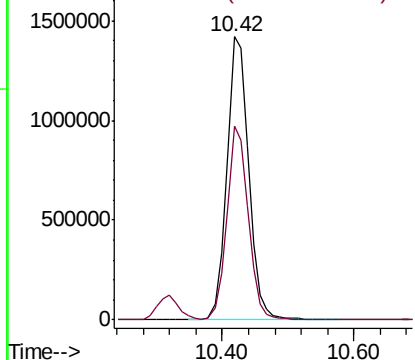


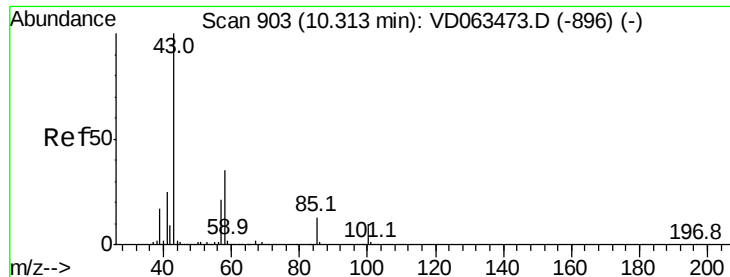
#50
Toluene-d8
Concen: 105.961 ug/l
RT: 10.42 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

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 :

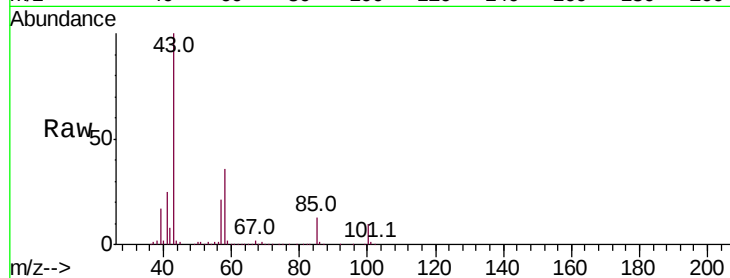
VSTDIC100

Tot Ion: 43 Resp: 2841822

Ion Ratio Lower Upper

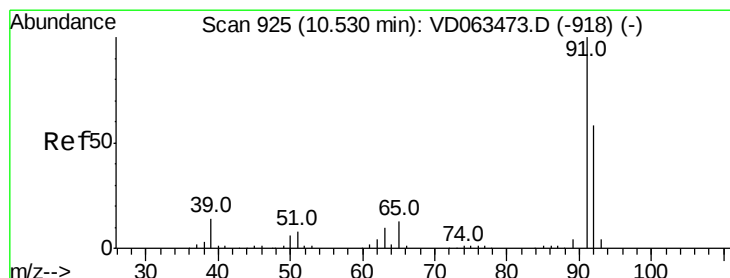
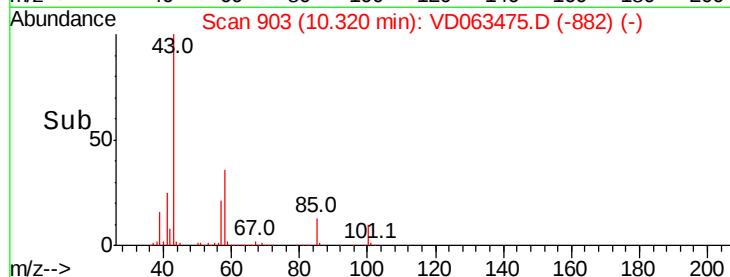
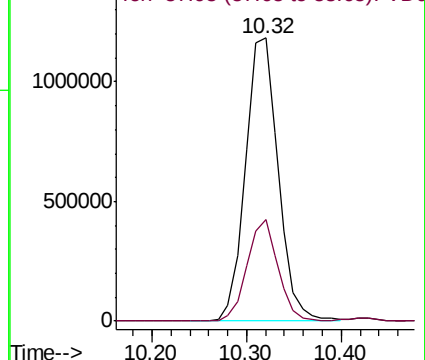
43 100

58 35.7 28.0 42.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 96.018 ug/l

RT: 10.53 min Scan# 924

Delta R.T. -0.00 min

Lab File: VD063475.D

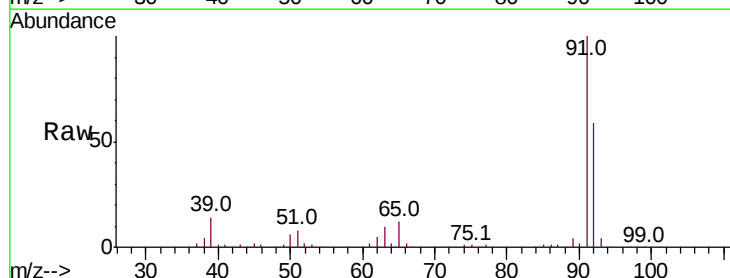
Acq: 9 Aug 2019 15:51

Tgt Ion: 92 Resp: 2025533

Ion Ratio Lower Upper

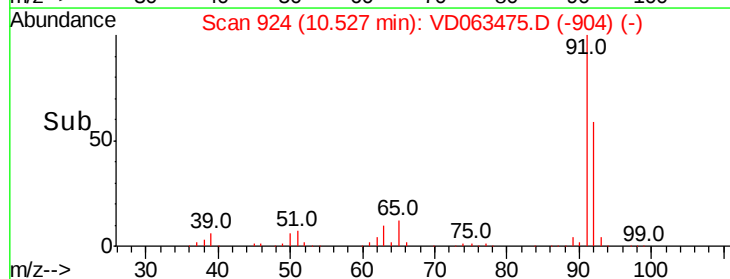
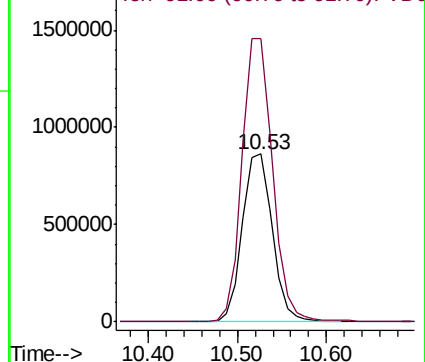
92 100

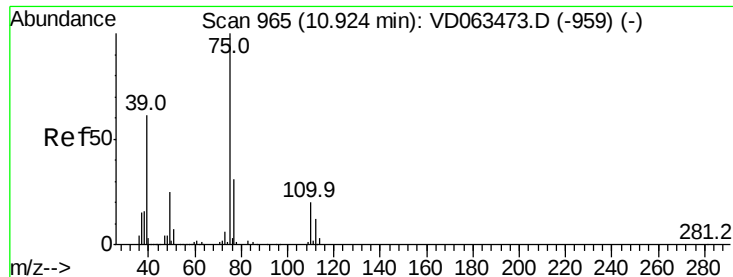
91 168.7 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 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 :

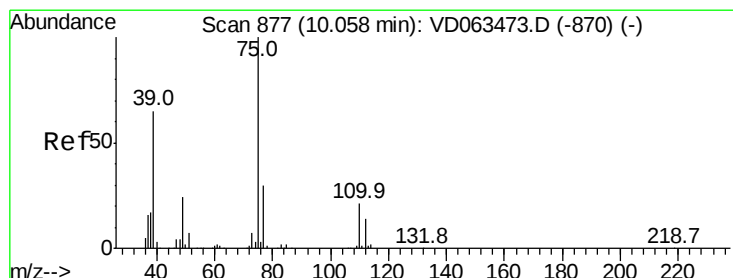
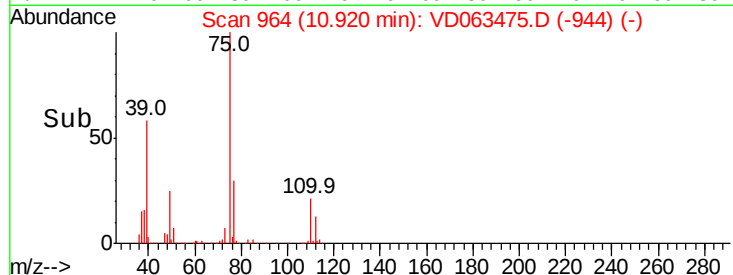
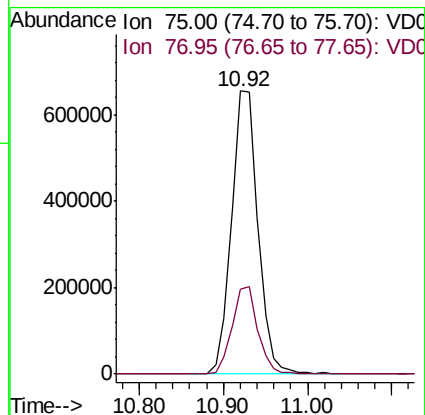
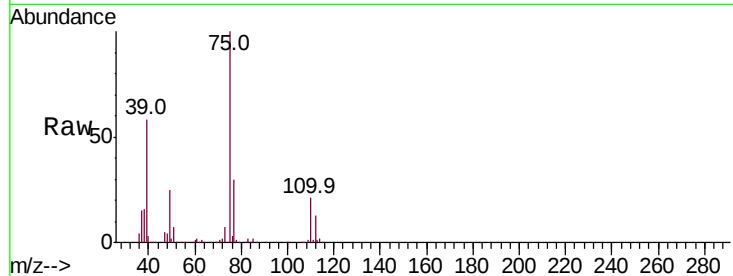
VSTDIC100

Tot 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

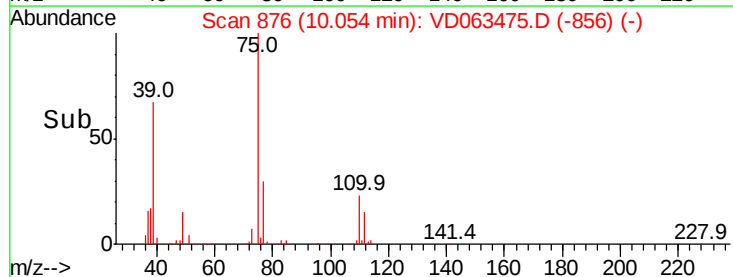
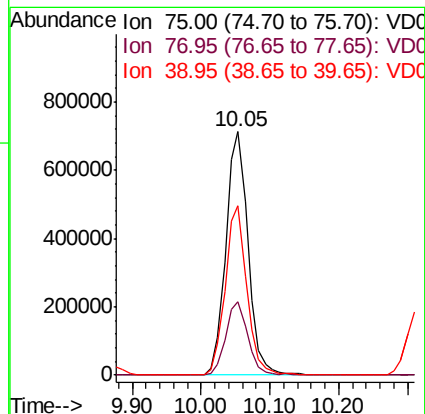
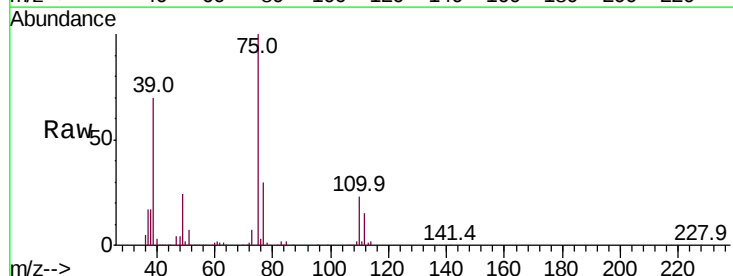
Tgt Ion: 75 Resp: 1583889

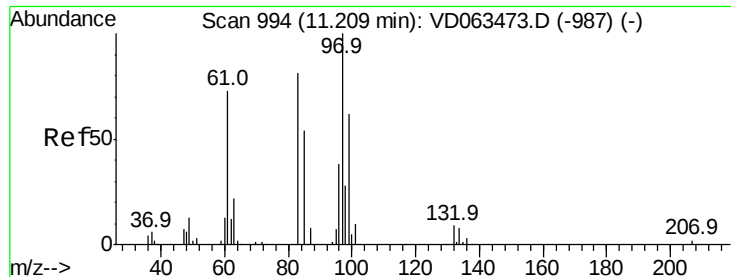
Ion Ratio Lower Upper

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

Tot Ion: 97 Resp: 698141

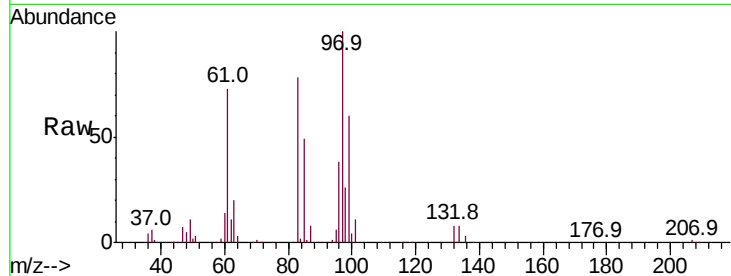
Ion Ratio Lower Upper

97 100

83 77.6 64.7 97.1

85 49.3 42.9 64.3

99 59.6 49.7 74.5

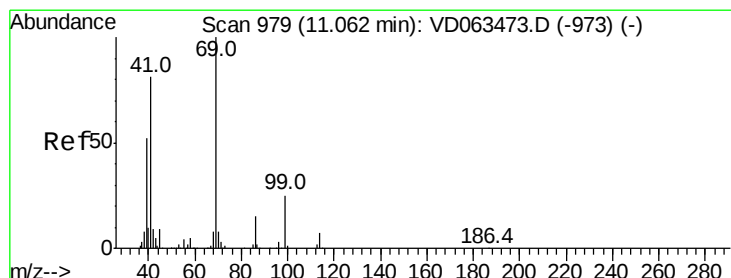
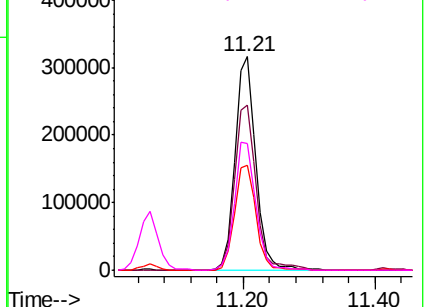
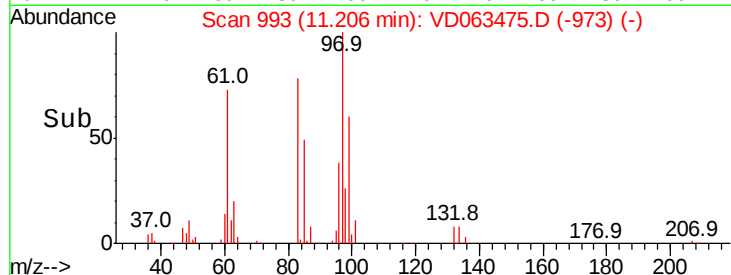


Abundance Ion 96.85 (96.55 to 97.55): VDC

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

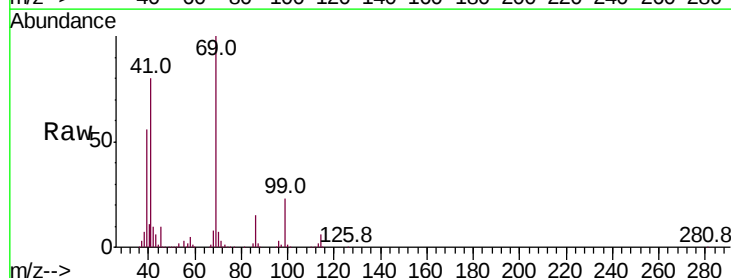
Tgt Ion: 69 Resp: 793472

Ion Ratio Lower Upper

69 100

41 80.4 64.8 97.2

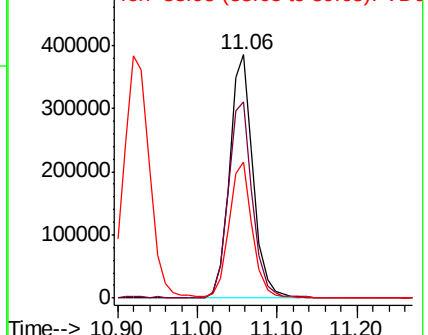
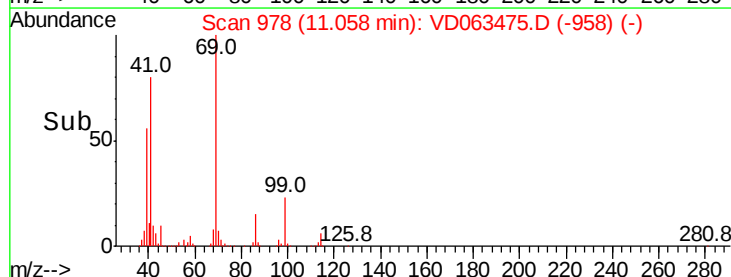
39 55.7 42.4 63.6

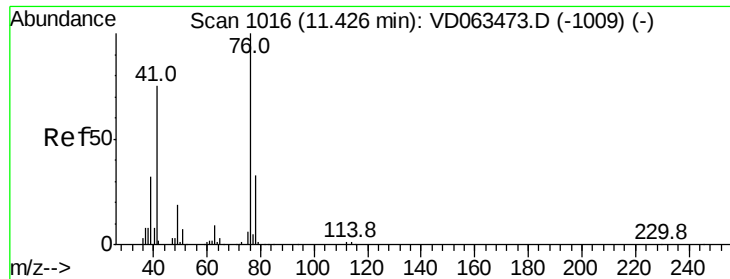


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

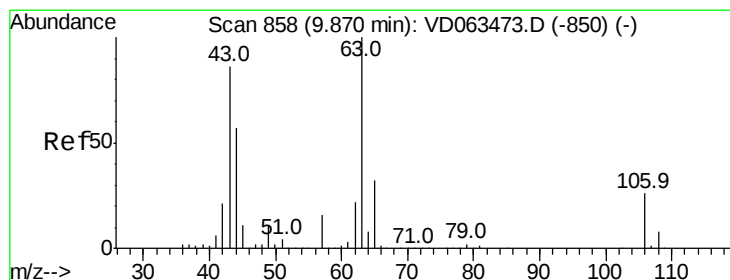
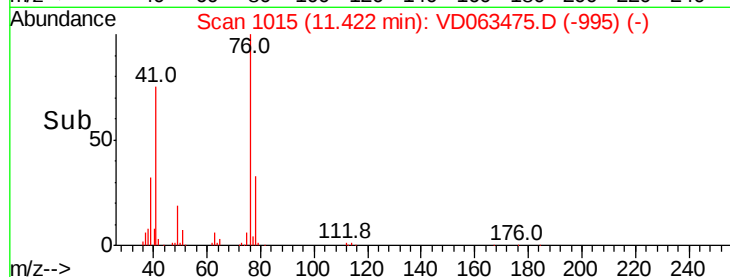
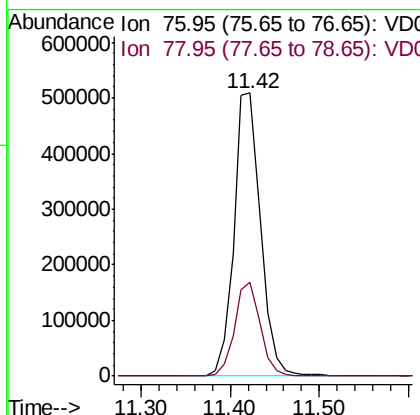
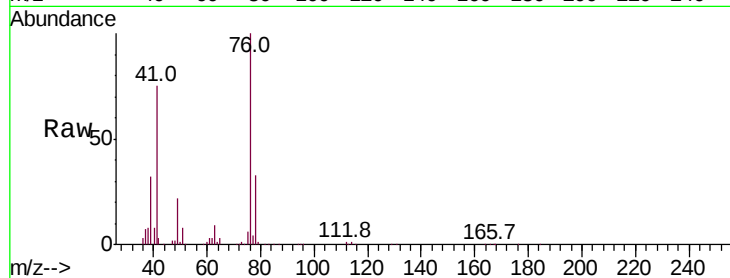




#57
 1,3-Dichloropropane
 Concen: 98.668 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

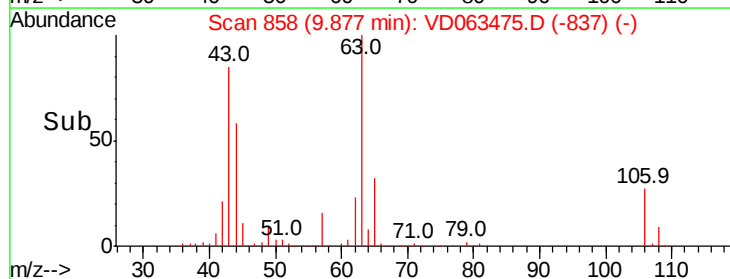
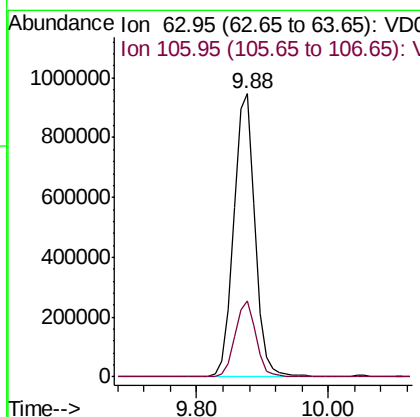
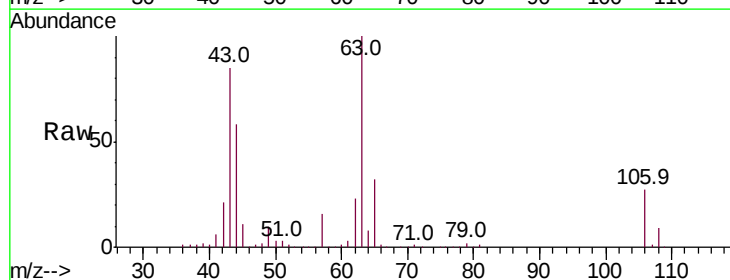
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

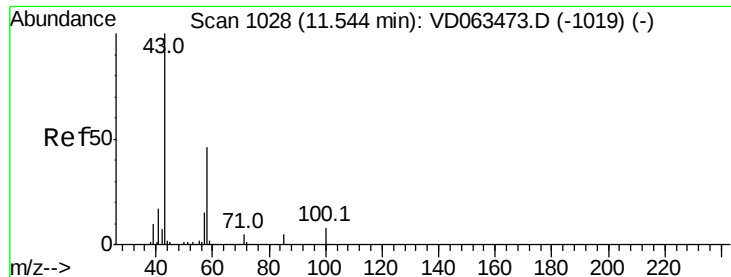
Tot Ion: 76 Resp: 1062788
 Ion Ratio Lower Upper
 76 100
 78 33.2 26.3 39.5



#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

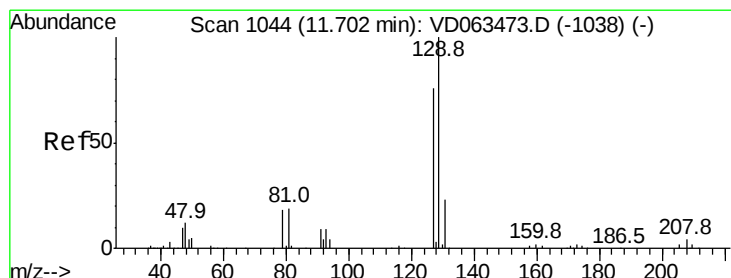
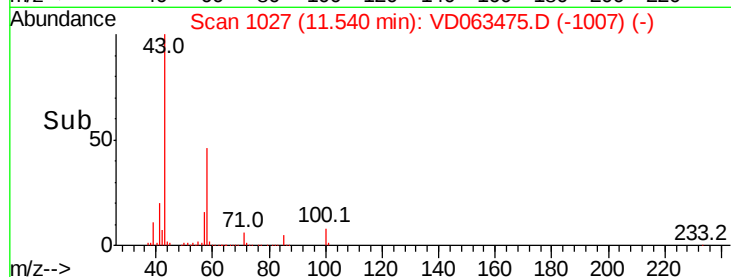
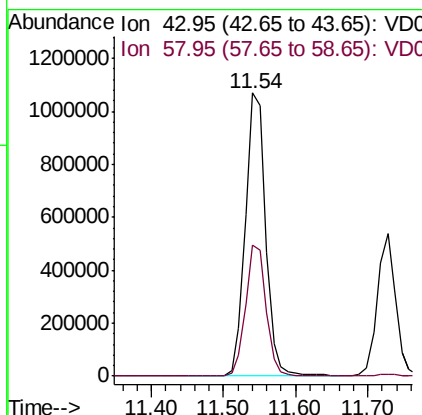
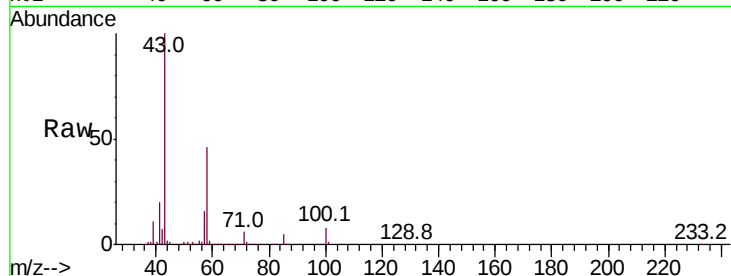




#59
2-Hexanone
Concen: 510.259 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

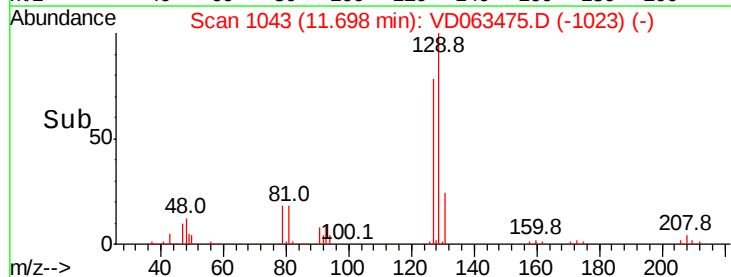
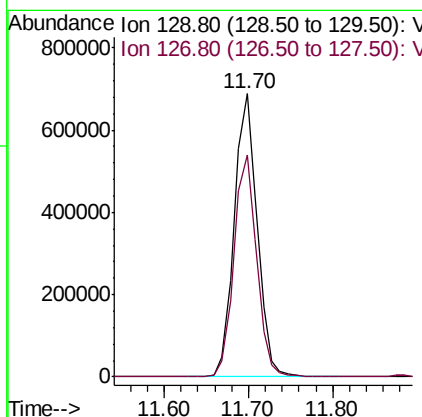
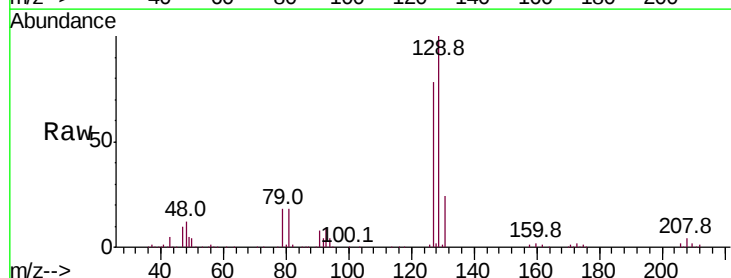
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

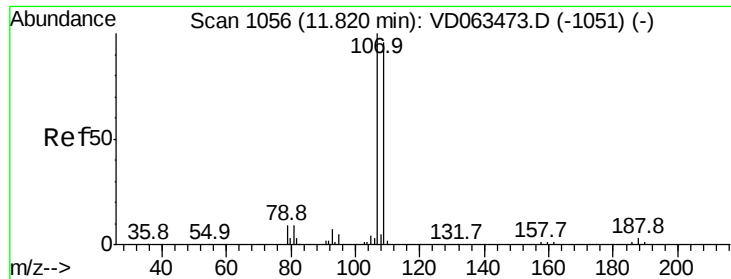
Tot Ion: 43 Resp: 2121988
Ion Ratio Lower Upper
43 100
58 46.1 23.1 69.2



#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

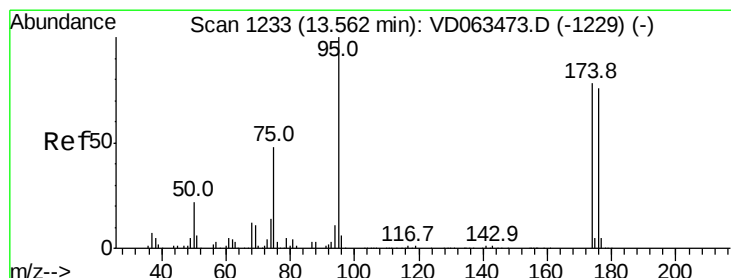
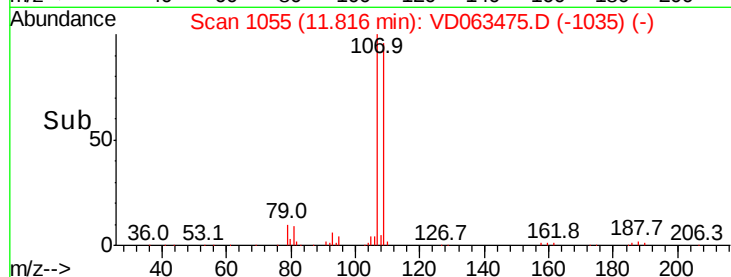
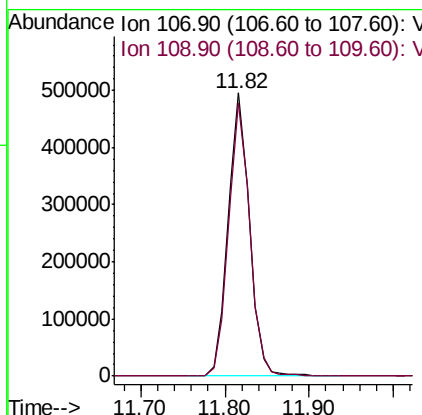
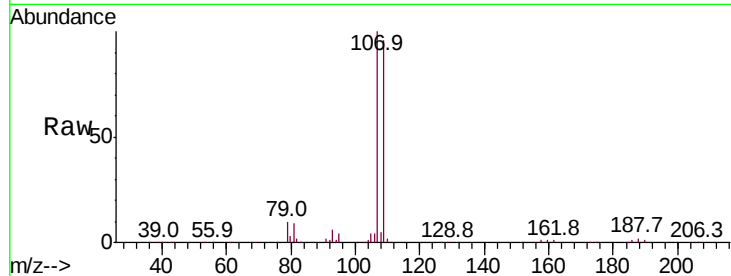




#61
 1,2-Dibromoethane
 Concen: 100.992 ug/l
 RT: 11.82 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

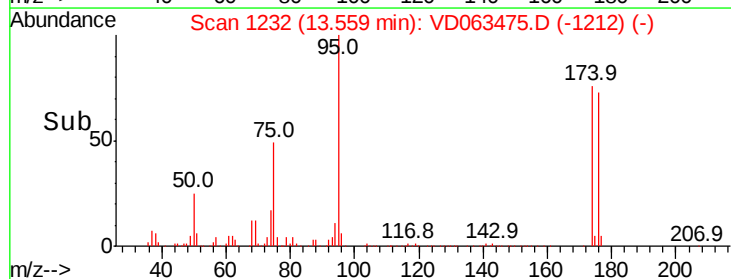
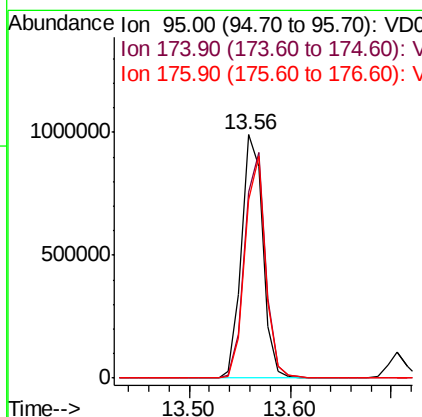
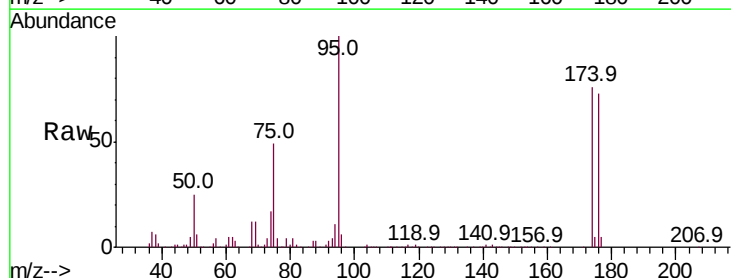
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

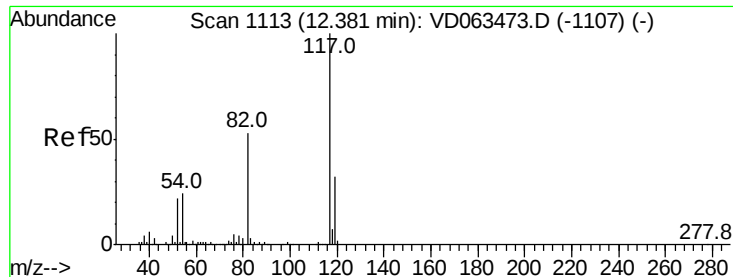
Tot Ion:107 Resp: 871203
 Ion Ratio Lower Upper
 107 100
 109 96.4 76.8 115.2



#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

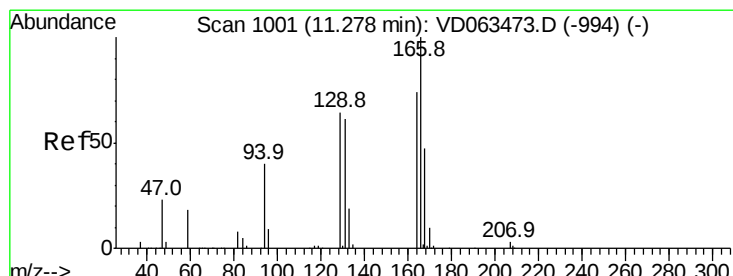
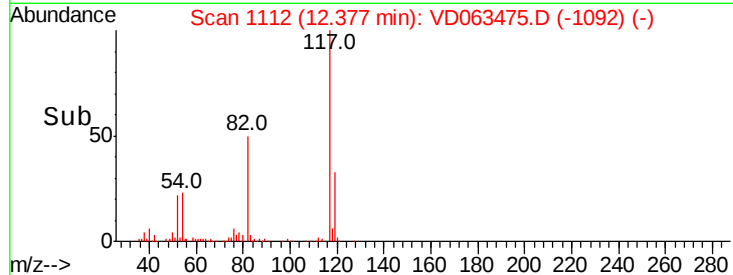
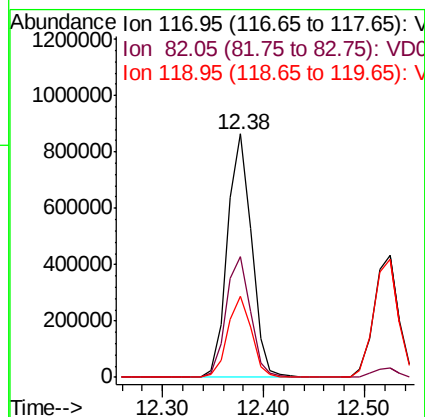
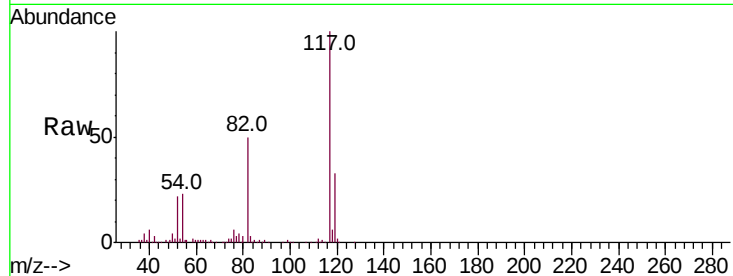




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

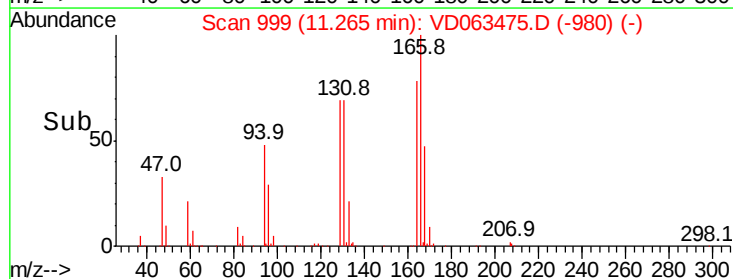
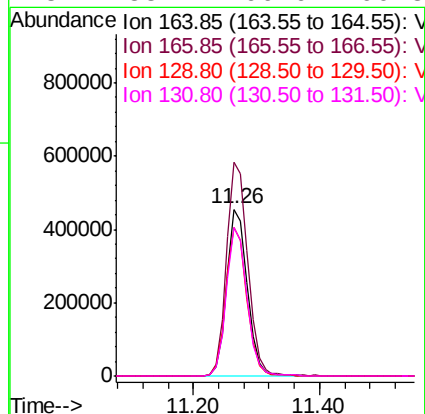
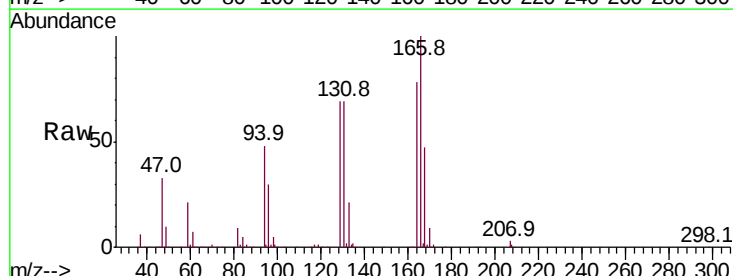
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

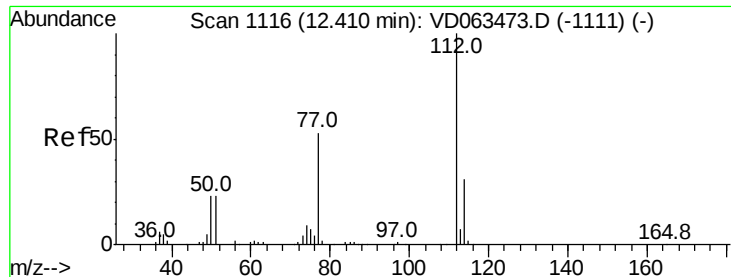
Tot Ion:117 Resp: 1434095
Ion Ratio Lower Upper
117 100
82 49.8 42.0 63.0
119 33.3 25.4 38.0



#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





#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 :

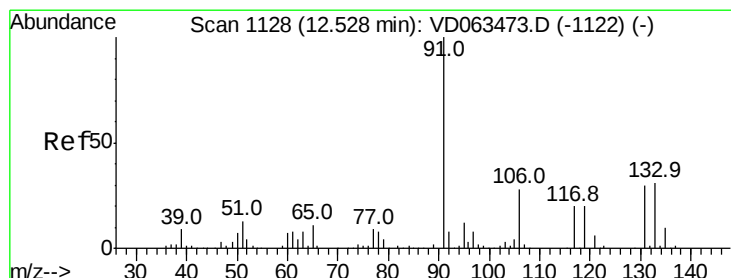
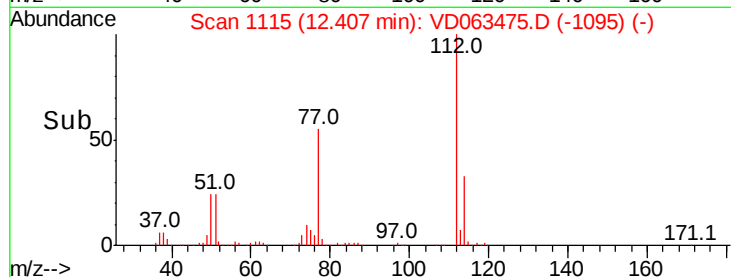
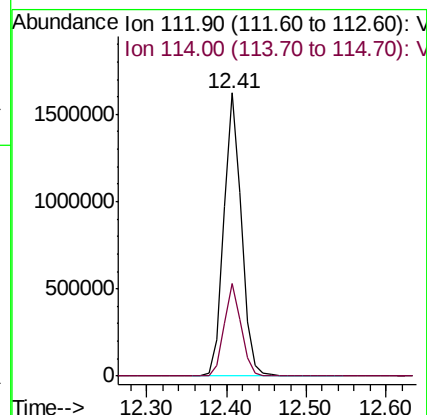
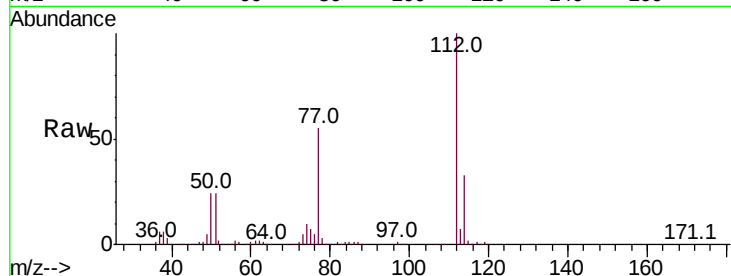
VSTDIC100

Tot 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

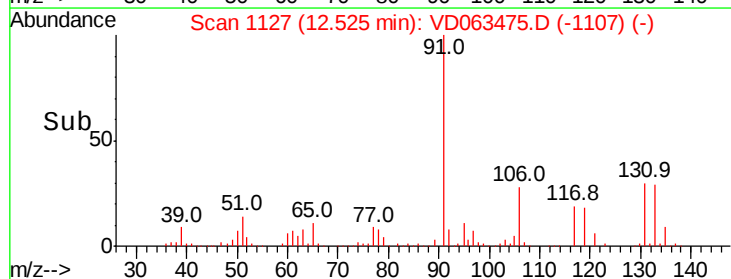
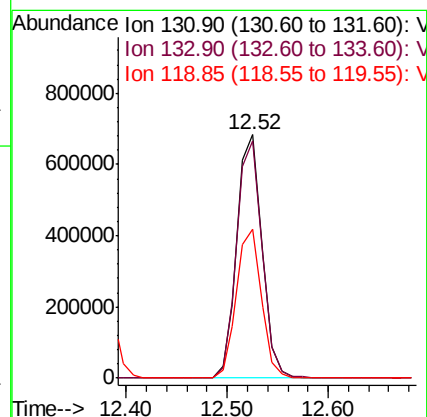
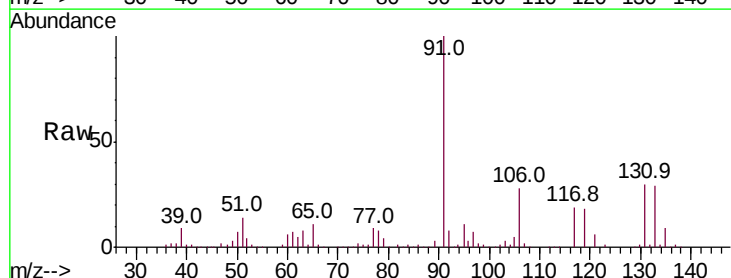
Tgt Ion:131 Resp: 1185236

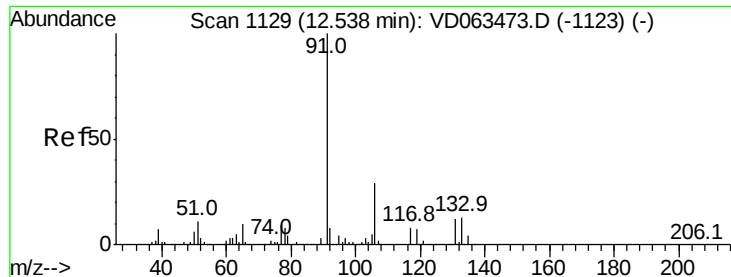
Ion Ratio Lower Upper

131 100

133 97.3 51.1 153.3

119 61.0 33.1 99.3

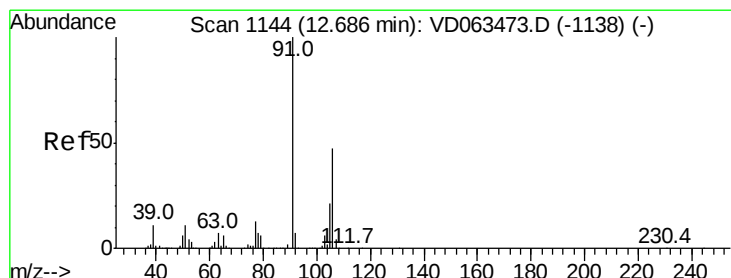
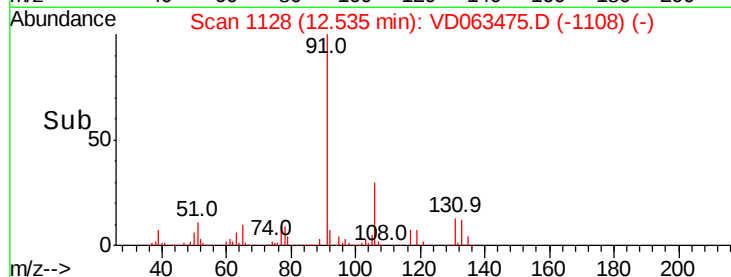
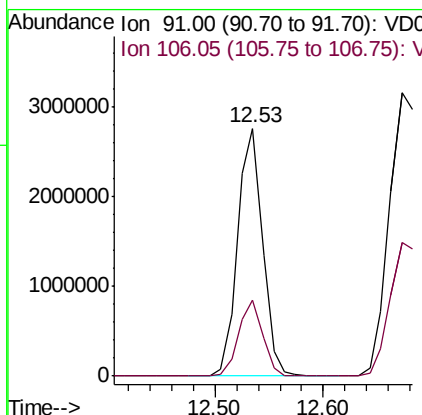
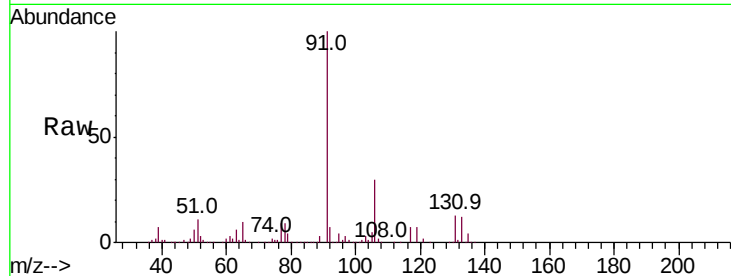




#67
 Ethvl Benzene
 Concen: 95.135 ug/l
 RT: 12.53 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

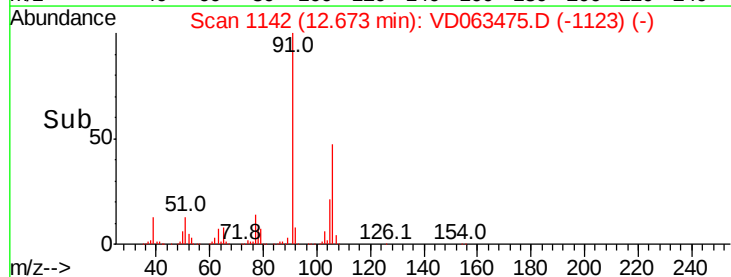
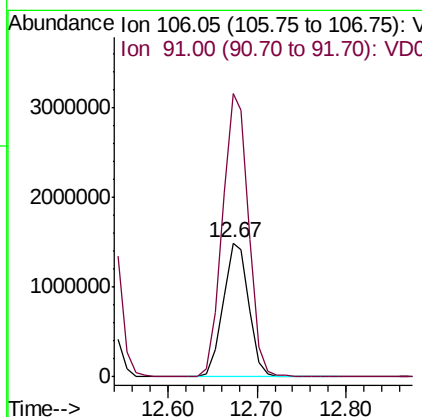
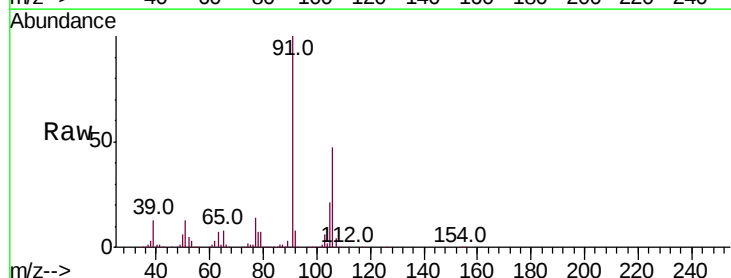
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

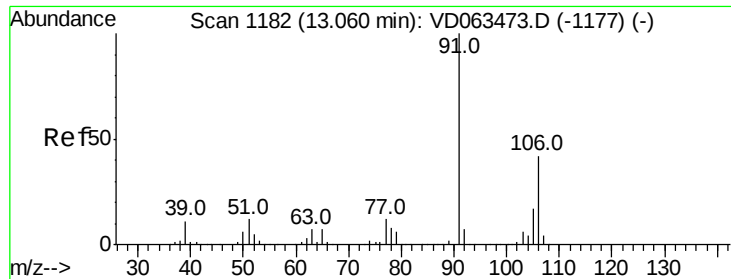
Tot Ion: 91 Resp: 4446149
 Ion Ratio Lower Upper
 91 100
 106 30.5 23.1 34.7



#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

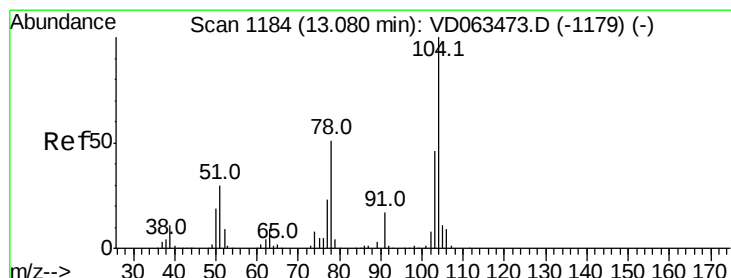
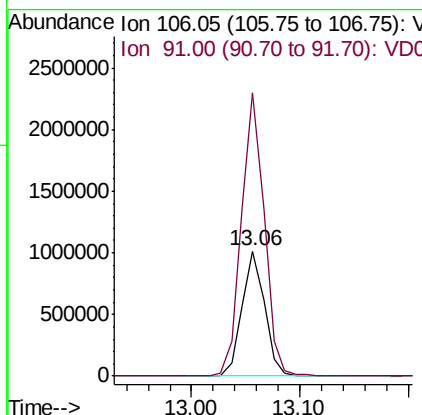
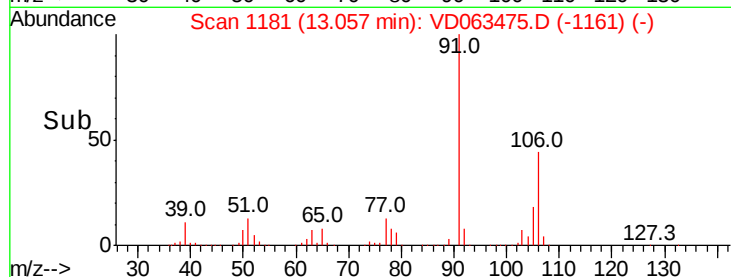
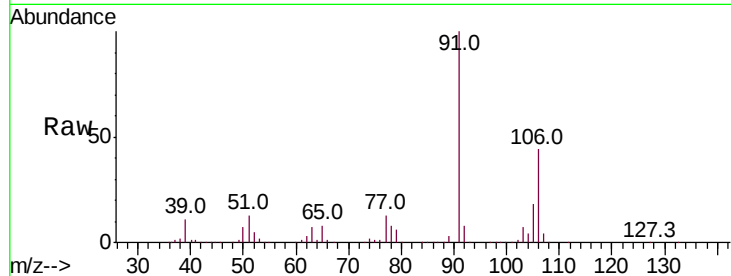




#69
o-Xylene
Concen: 92.997 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

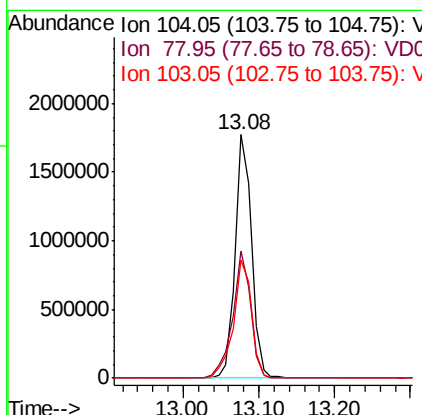
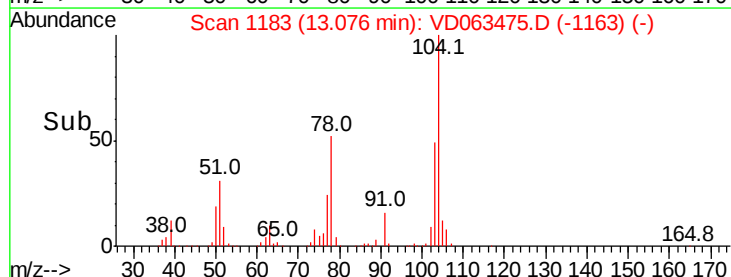
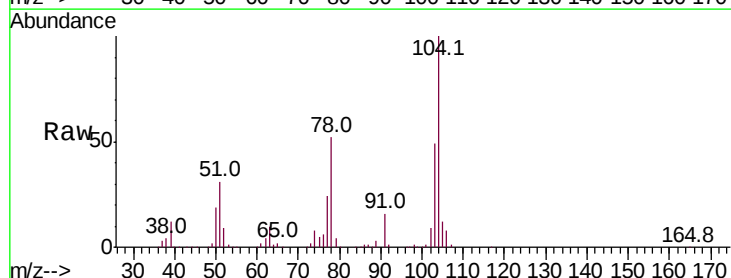
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

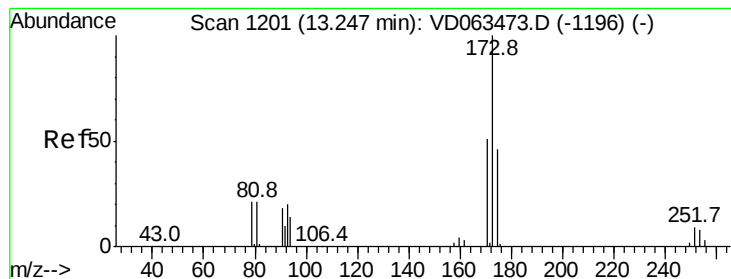
Tot Ion:106 Resp: 1469645
Ion Ratio Lower Upper
106 100
91 226.7 118.1 354.2



#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

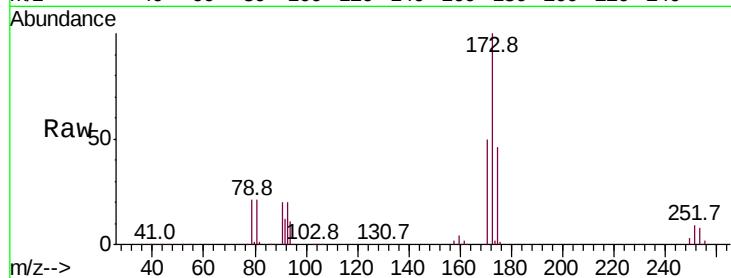
Tot Ion:173 Resp: 858012

Ion Ratio Lower Upper

173 100

175 45.8 22.8 68.3

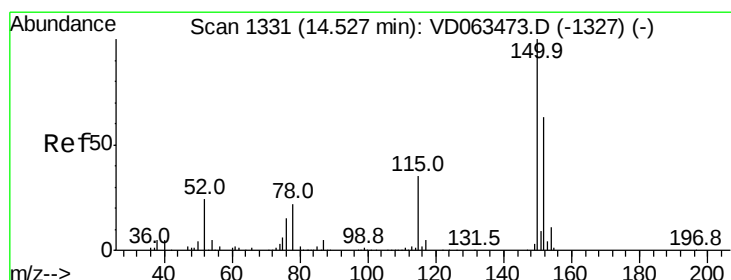
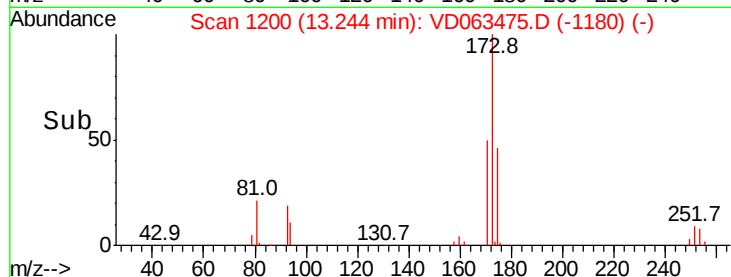
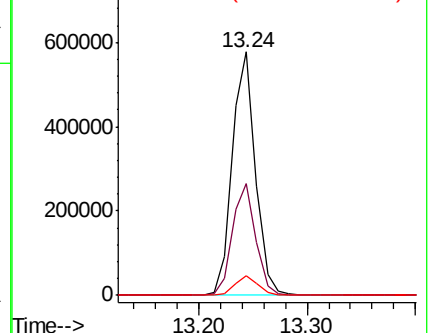
254 8.3 6.6 9.8



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#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

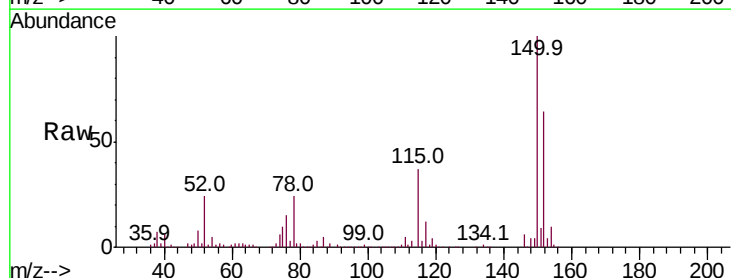
Tgt Ion:152 Resp: 728207

Ion Ratio Lower Upper

152 100

115 58.3 30.9 92.7

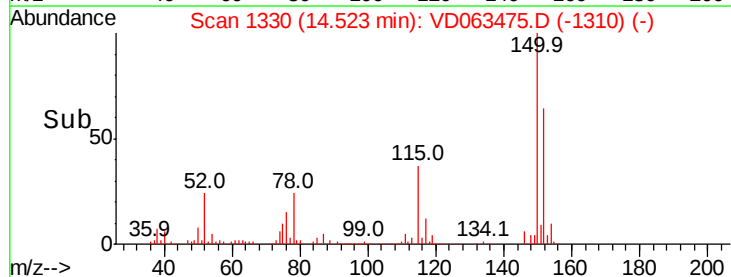
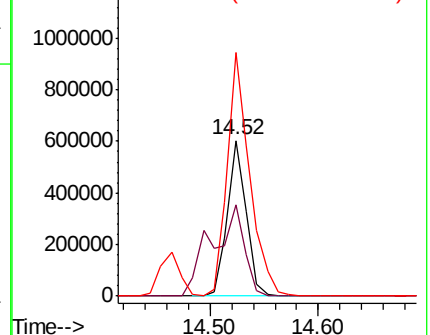
150 156.5 0.0 318.6

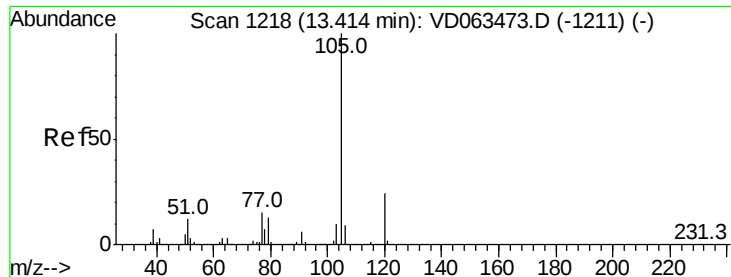


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

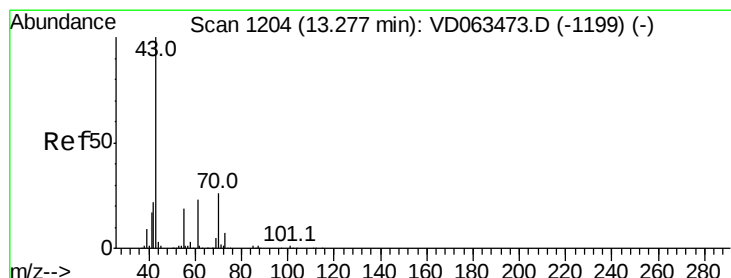
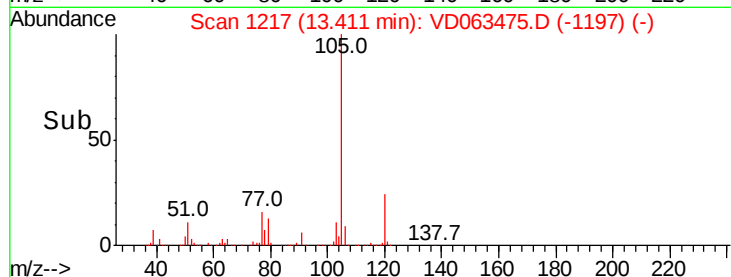
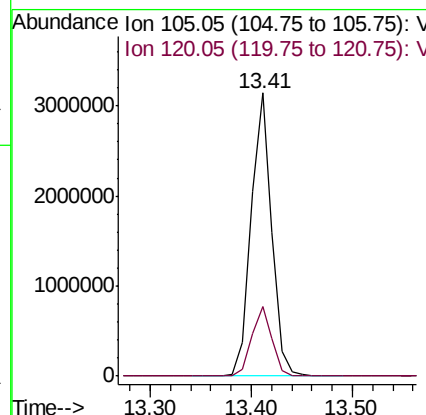
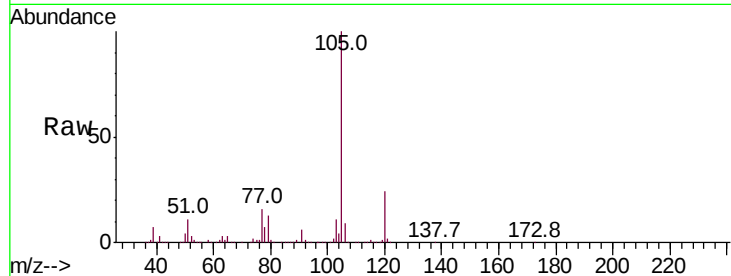




#73
Isopropylbenzene
Concen: 95.953 ug/l
RT: 13.41 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

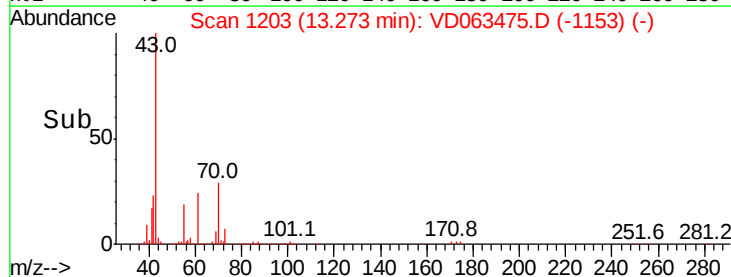
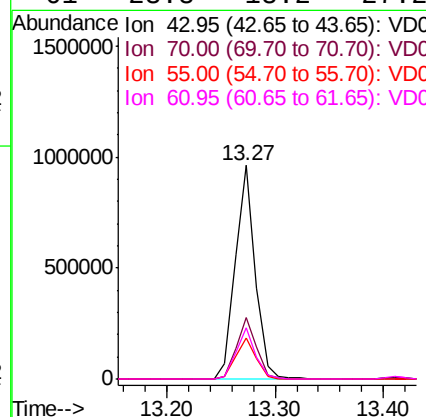
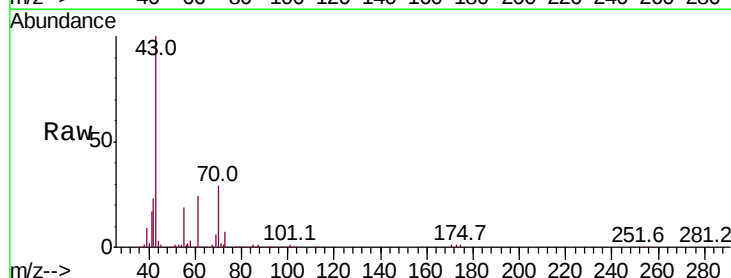
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

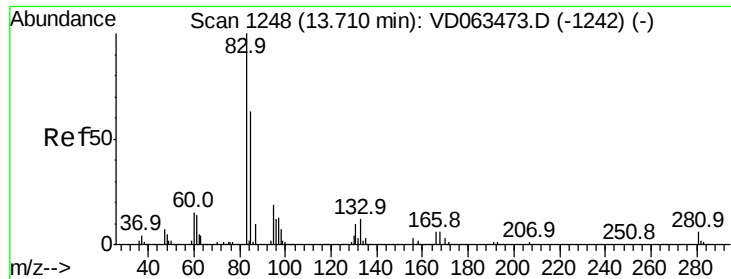
Tot Ion:105 Resp: 4444349
Ion Ratio Lower Upper
105 100
120 24.4 11.9 35.9



#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





#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

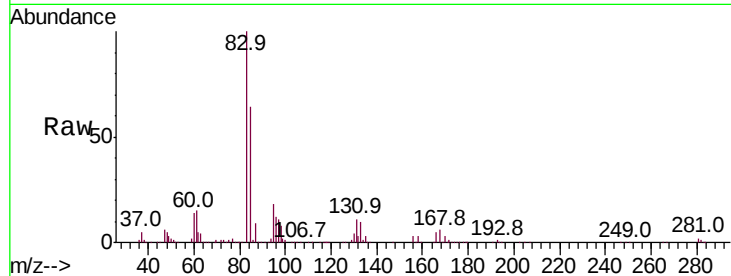
Tot Ion: 83 Resp: 754182

Ion Ratio Lower Upper

83 100

131 10.7 5.3 15.8

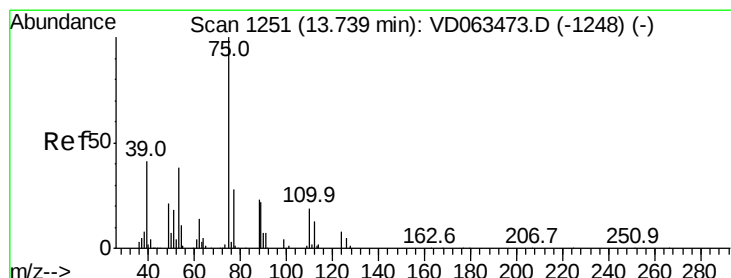
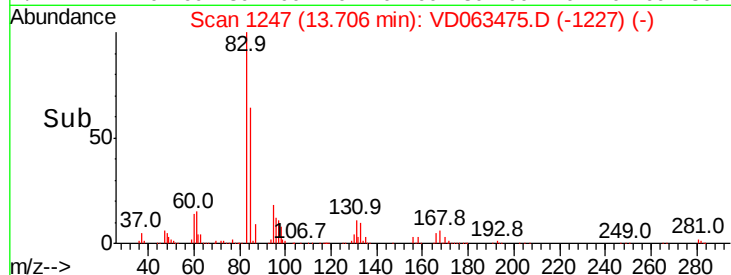
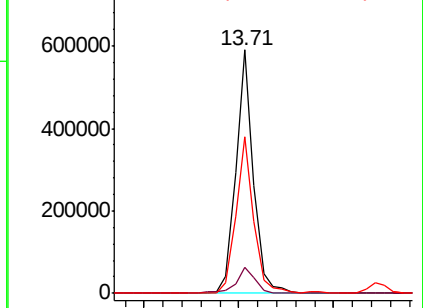
85 64.3 31.4 94.3



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

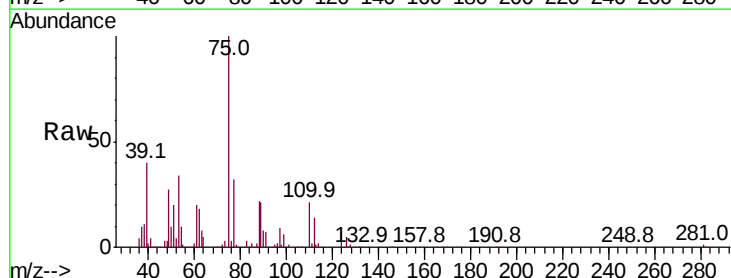
Acq: 9 Aug 2019 15:51

Tgt Ion: 75 Resp: 824639

Ion Ratio Lower Upper

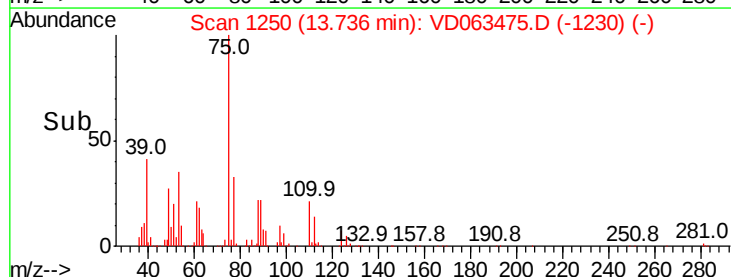
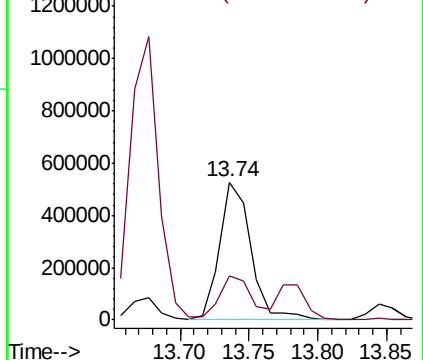
75 100

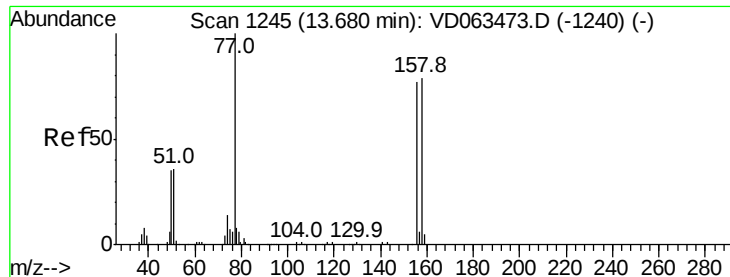
77 32.1 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

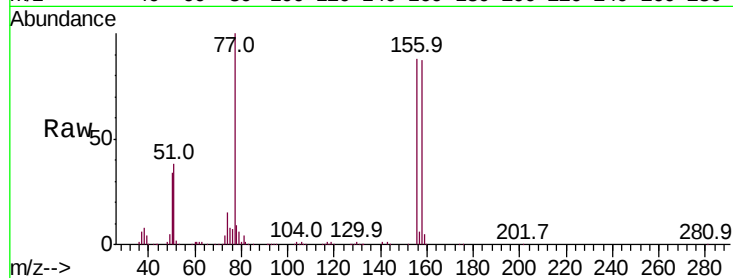




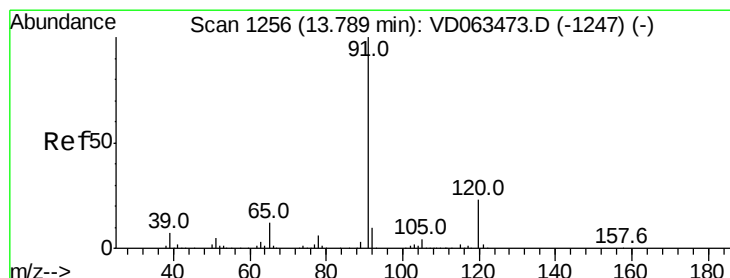
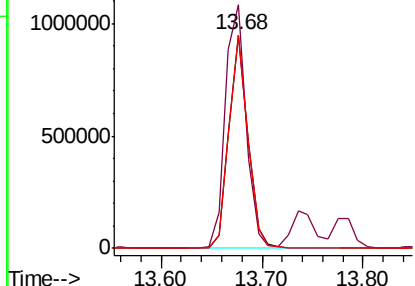
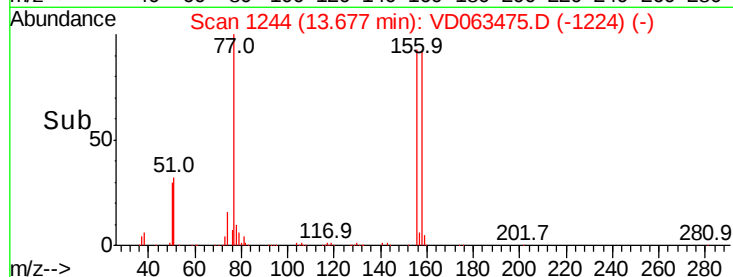
#77
Bromobenzene
Concen: 97.692 ug/l
RT: 13.68 min Scan# 1244
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion:156 Resp: 1236671
Ion Ratio Lower Upper
156 100
77 114.0 64.6 193.8
158 99.7 50.9 152.7

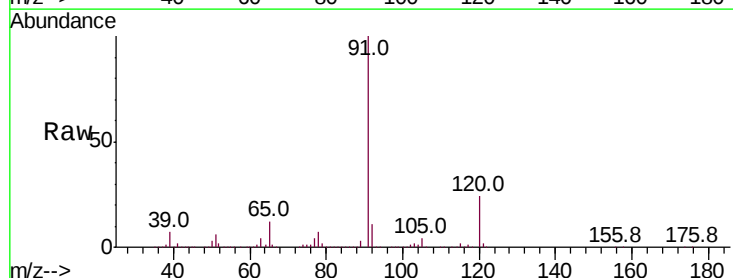


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

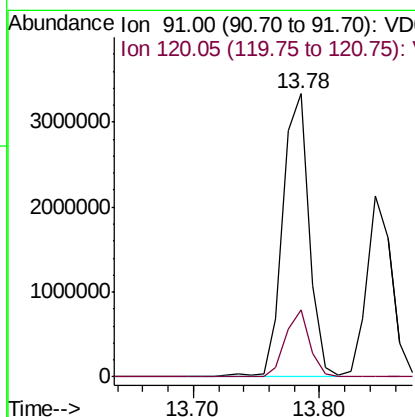
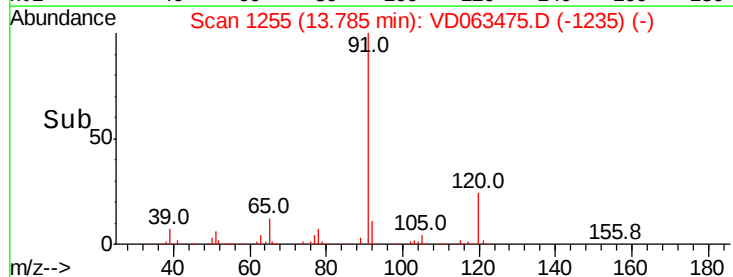


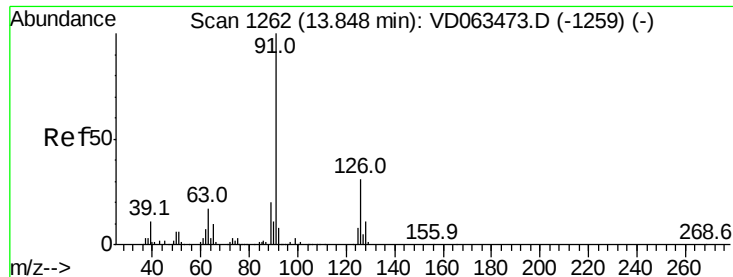
#78
n-propylbenzene
Concen: 89.711 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

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): VDC
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 :

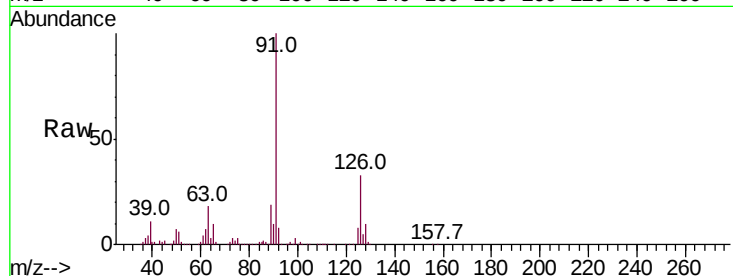
VSTDIC100

Tot Ion: 91 Resp: 2929905

Ion Ratio Lower Upper

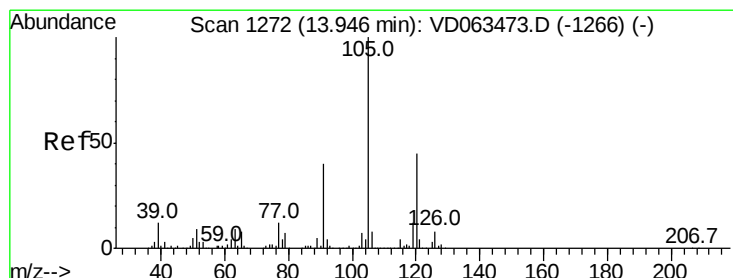
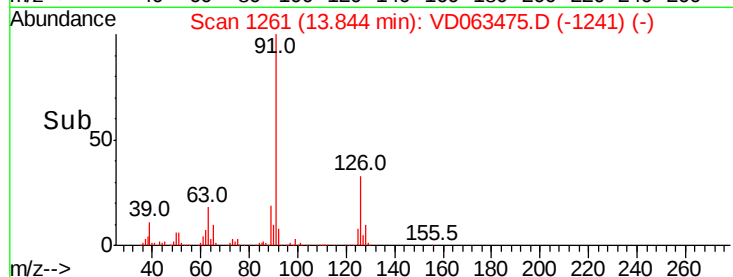
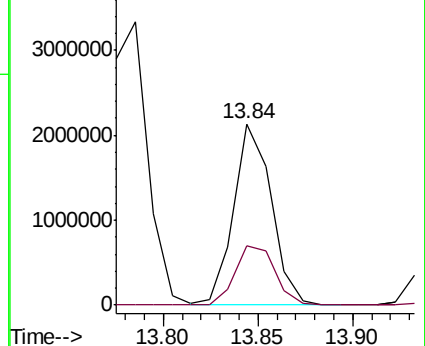
91 100

126 32.8 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VD063473.D (-1259) (-)

Ion 125.95 (125.65 to 126.65): VD063473.D (-1259) (-)



#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

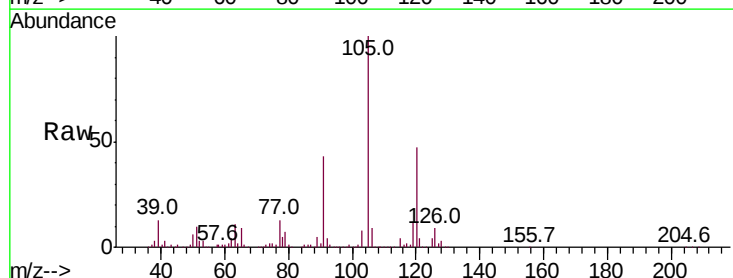
Acq: 9 Aug 2019 15:51

Tgt Ion:105 Resp: 3691617

Ion Ratio Lower Upper

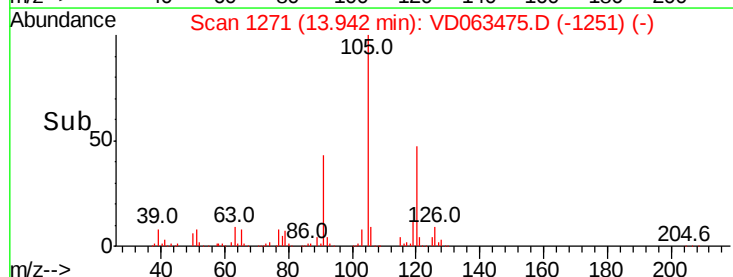
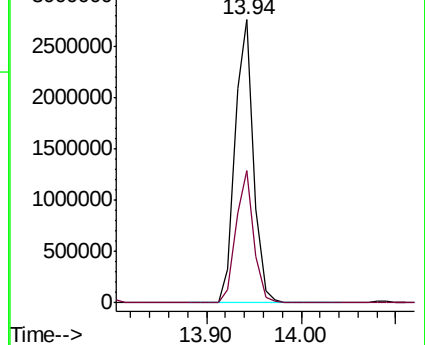
105 100

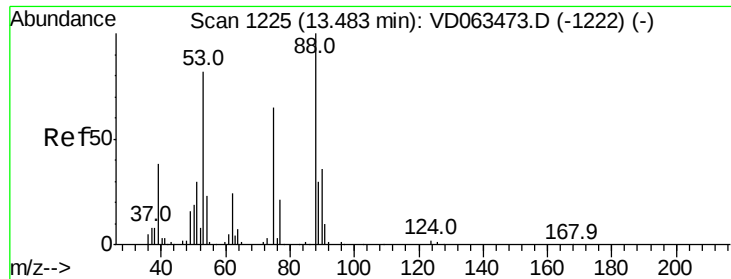
120 47.0 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): VD063473.D (-1266) (-)

Ion 120.05 (119.75 to 120.75): VD063473.D (-1266) (-)

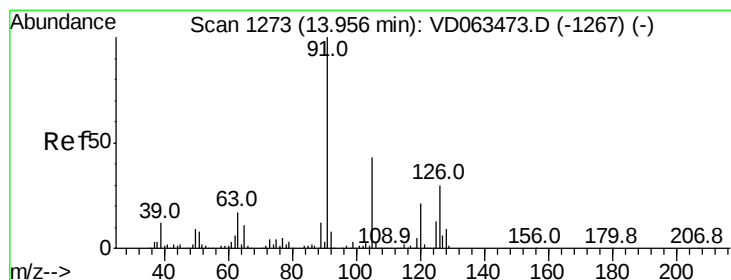
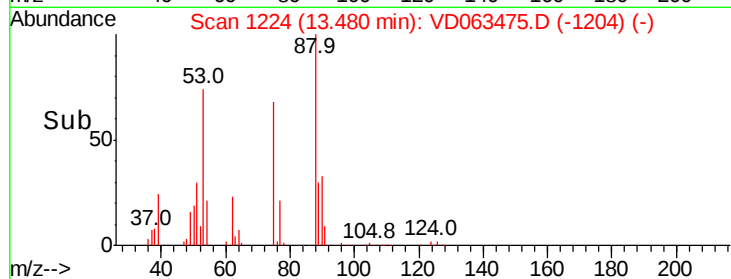
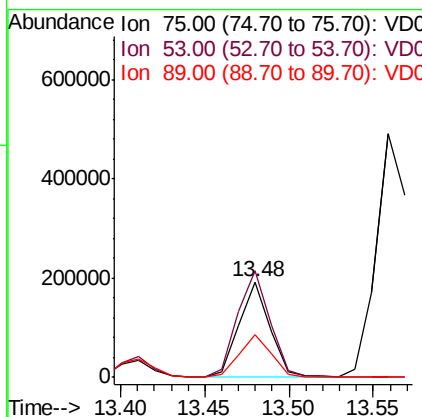
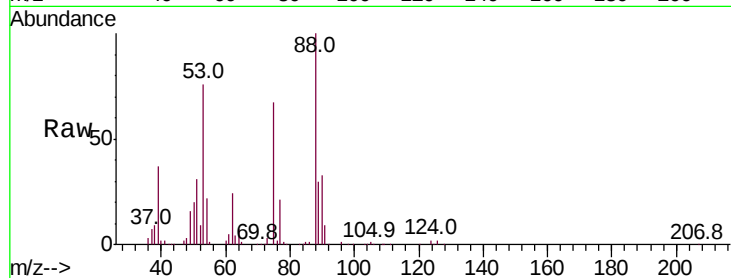




#81
trans-1,4-Dichloro-2-butene
Concen: 109.456 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

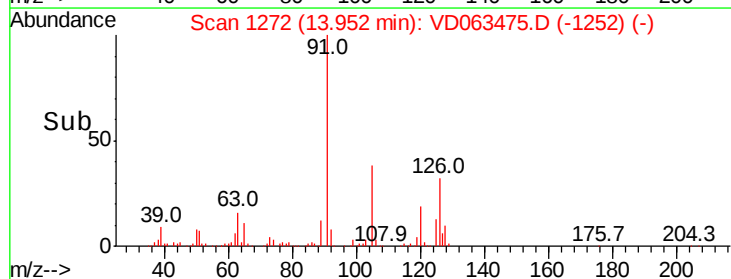
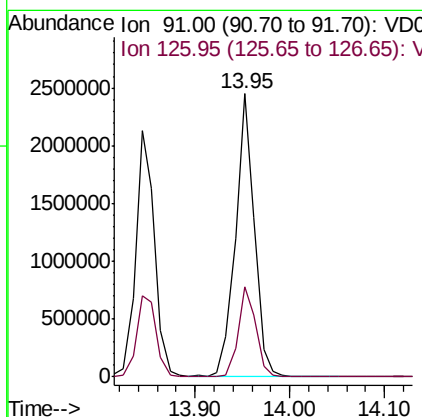
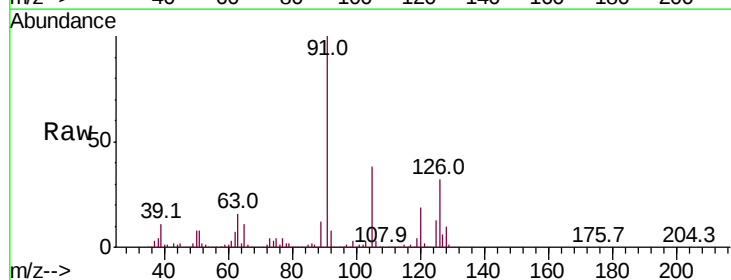
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

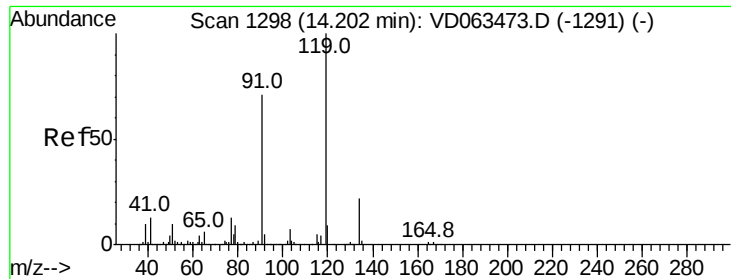
Tot Ion: 75 Resp: 245865
Ion Ratio Lower Upper
75 100
53 112.3 101.0 151.4
89 44.4 37.0 55.6



#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

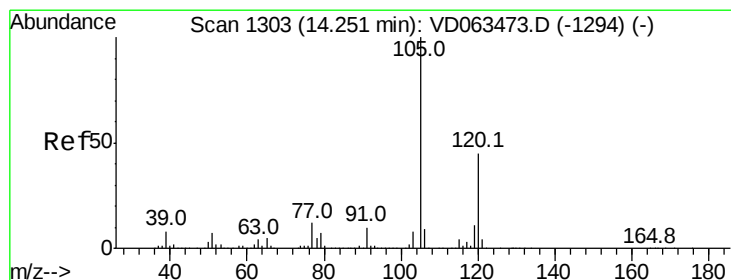
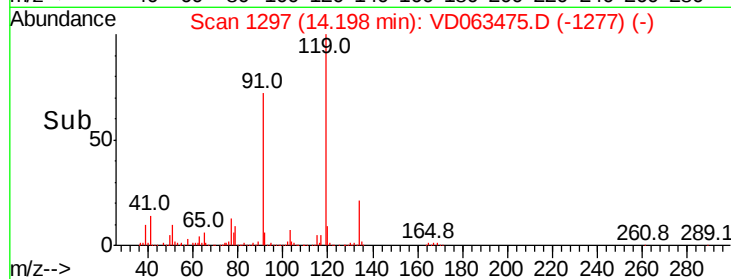
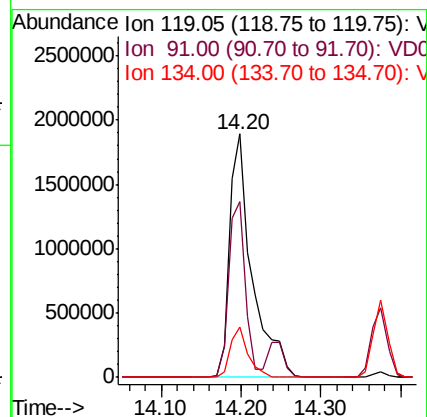
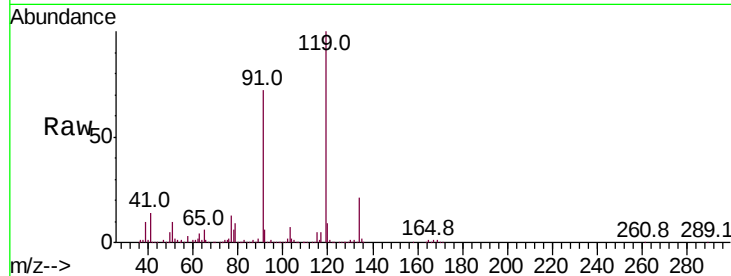




#83
tert-Butylbenzene
Concen: 88.037 ug/l
RT: 14.20 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD063475.D
Acq: 9 Aug 2019 15:51

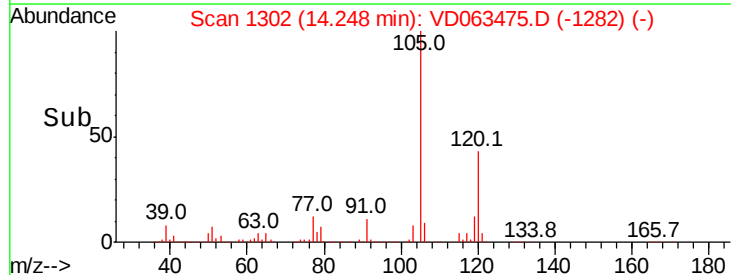
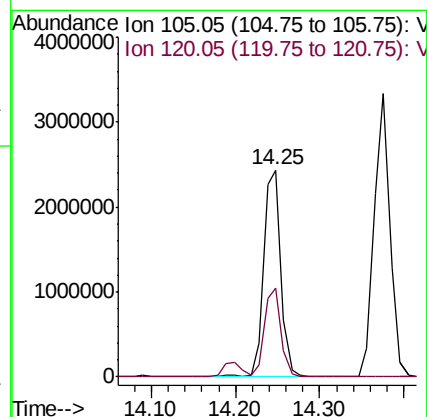
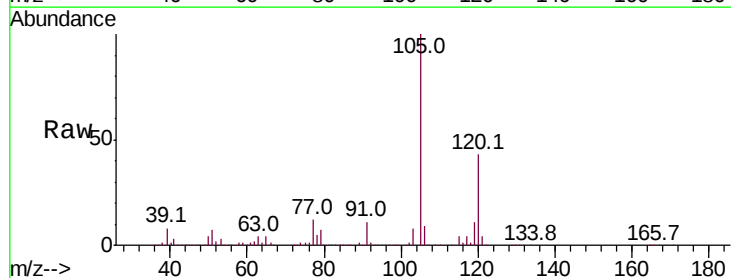
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

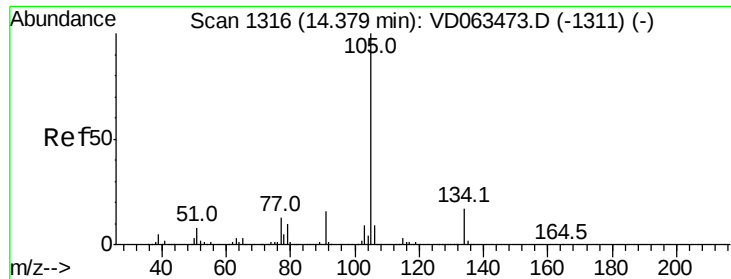
Tot Ion:119 Resp: 3751811
Ion Ratio Lower Upper
119 100
91 72.3 35.5 106.7
134 20.8 11.1 33.1



#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 :

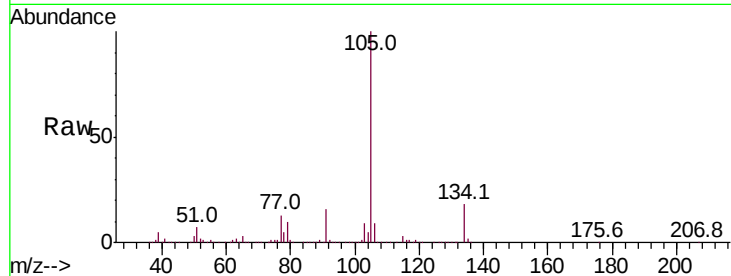
VSTDIC100

Tot Ion:105 Resp: 4333791

Ion Ratio Lower Upper

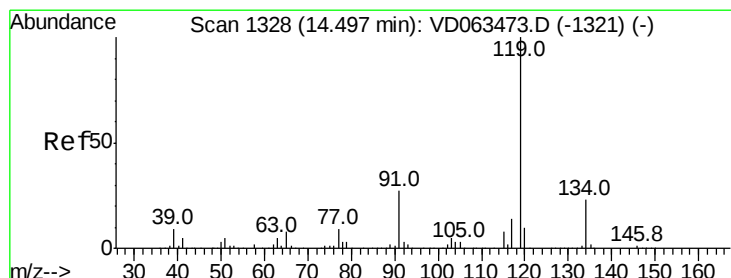
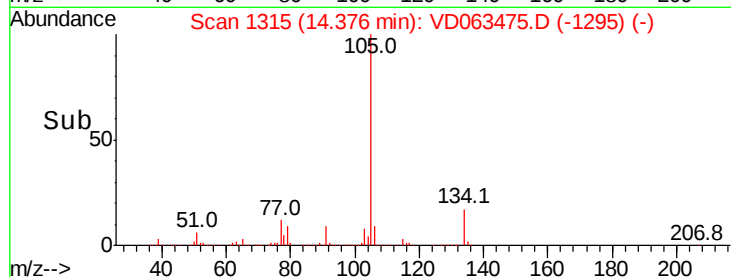
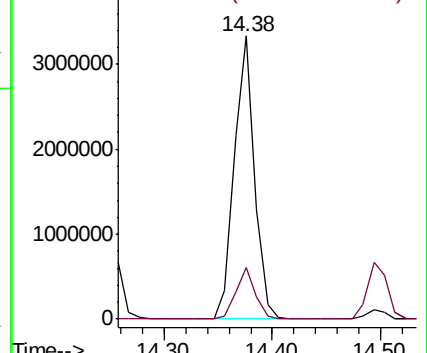
105 100

134 18.2 8.3 24.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#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

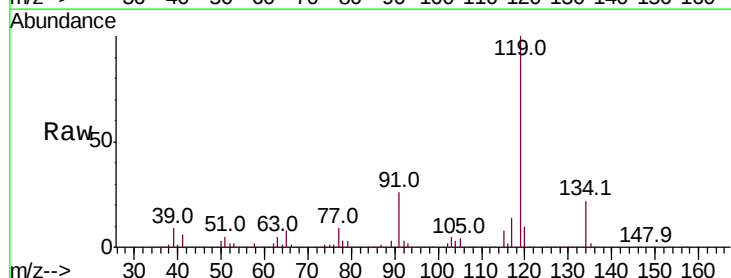
Tgt Ion:119 Resp: 3799693

Ion Ratio Lower Upper

119 100

134 22.3 11.3 33.8

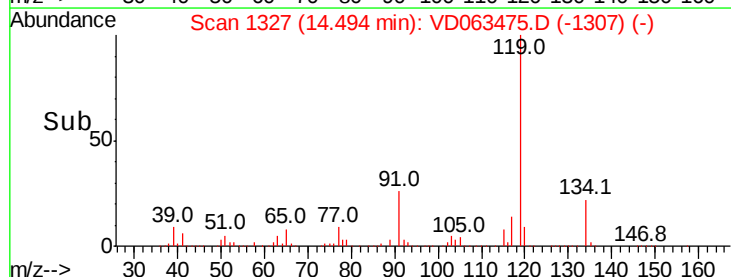
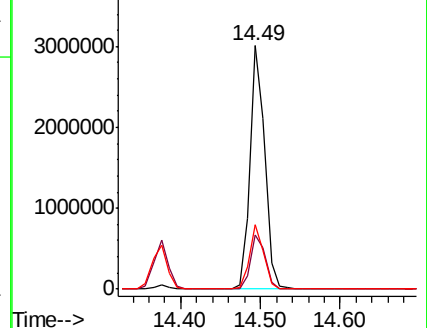
91 26.4 13.5 40.4

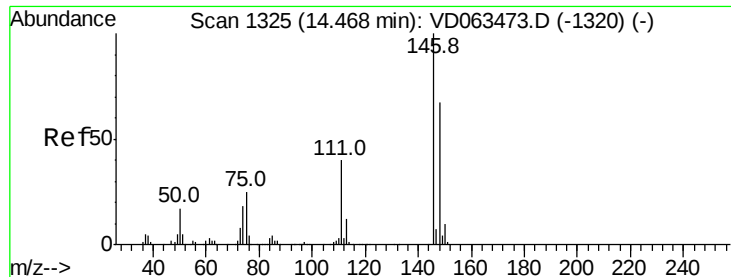


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

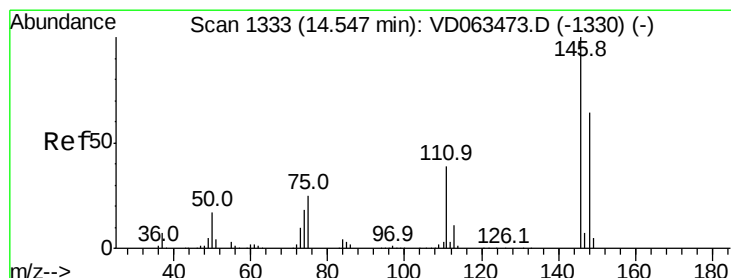
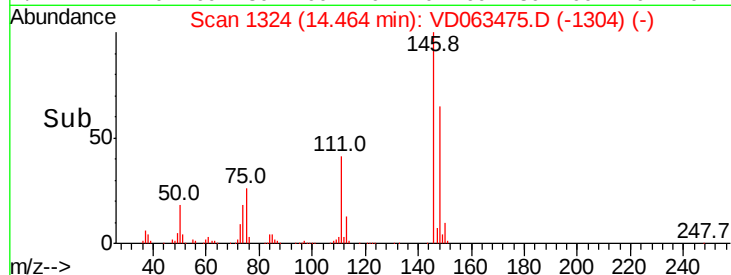
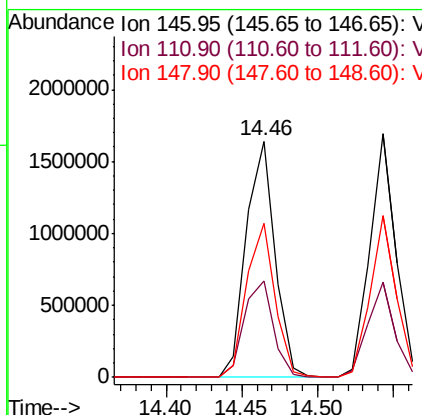
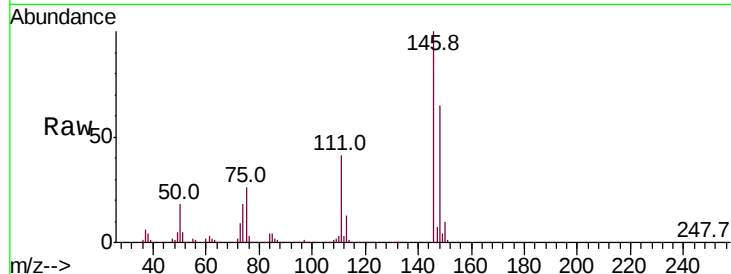




#87
 1,3-Dichlorobenzene
 Concen: 95.321 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

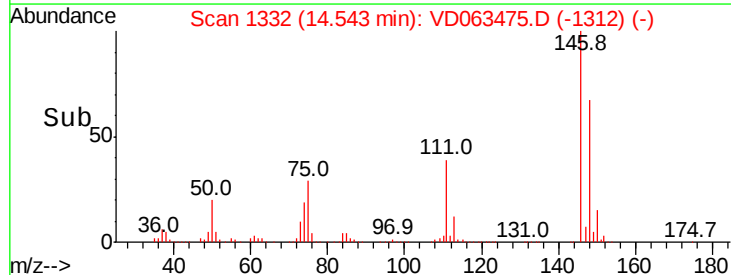
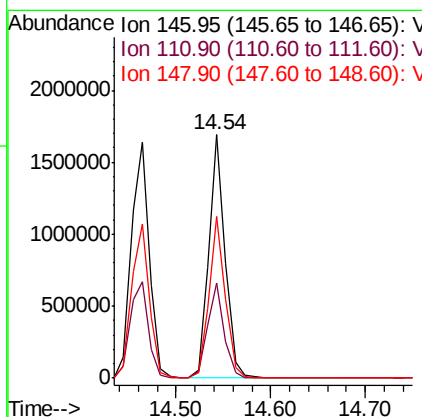
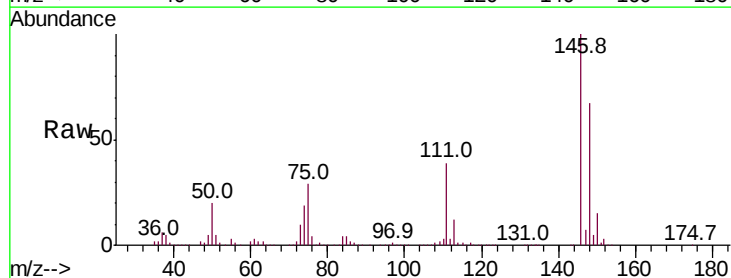
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

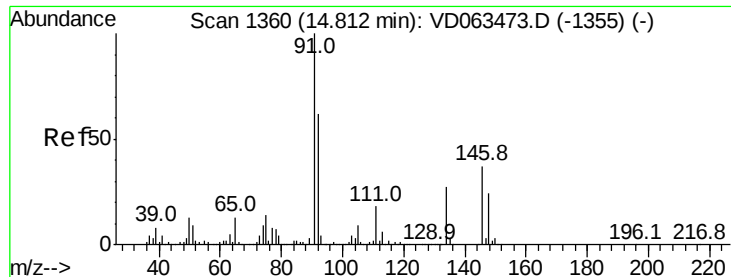
Tot Ion:146 Resp: 2182596
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.0 60.0
 148 65.0 33.6 100.6



#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

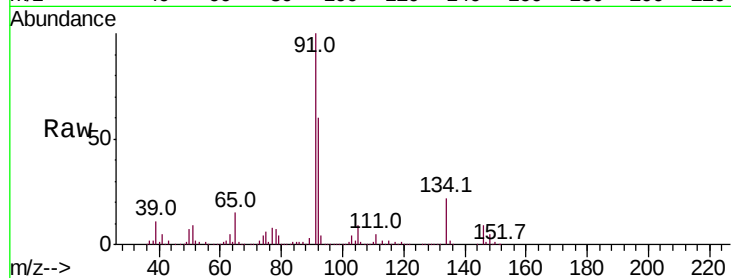
Tot Ion: 91 Resp: 3744889

Ion	Ratio	Lower	Upper
91	100		
92	60.1	30.8	92.3
134	21.8	13.4	40.2

91 100

92 60.1 30.8 92.3

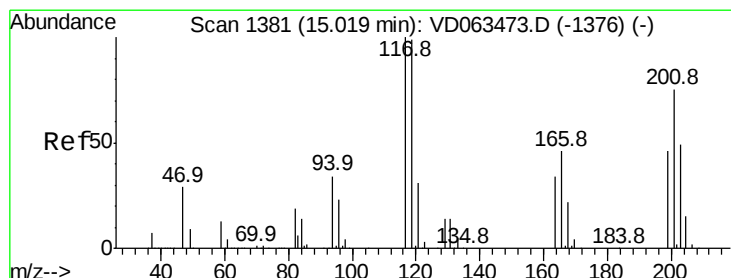
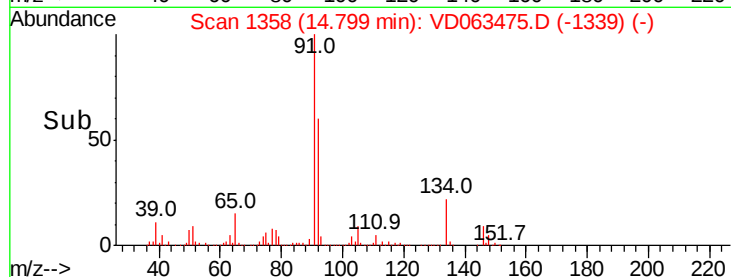
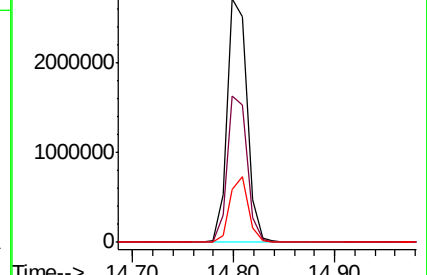
134 21.8 13.4 40.2



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): VDC



#90

Hexachloroethane

Concen: 101.453 ug/l

RT: 15.02 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD063475.D

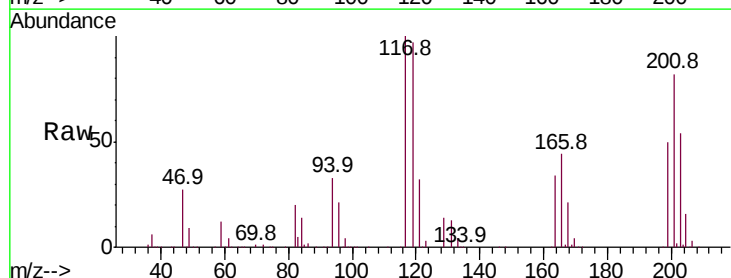
Acq: 9 Aug 2019 15:51

Tgt Ion: 117 Resp: 1103459

Ion	Ratio	Lower	Upper
117	100		
201	82.2	37.5	112.5

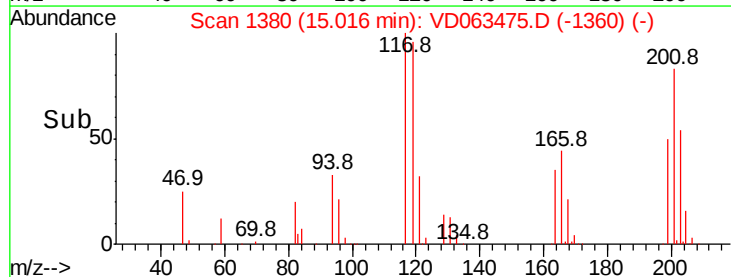
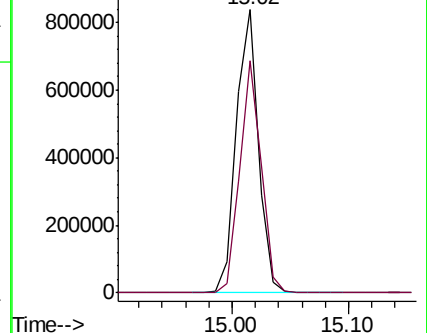
117 100

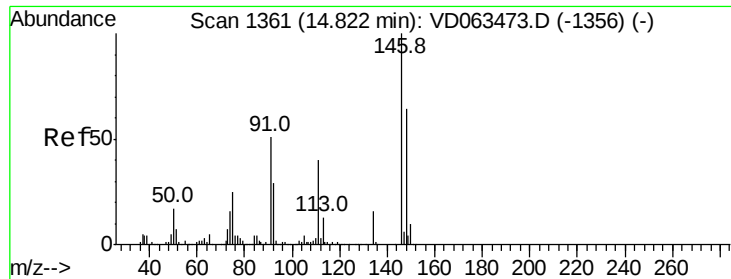
201 82.2 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



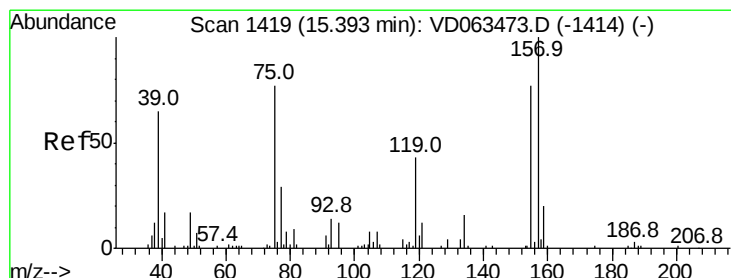
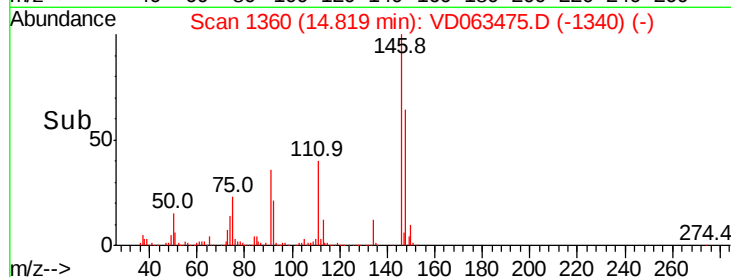
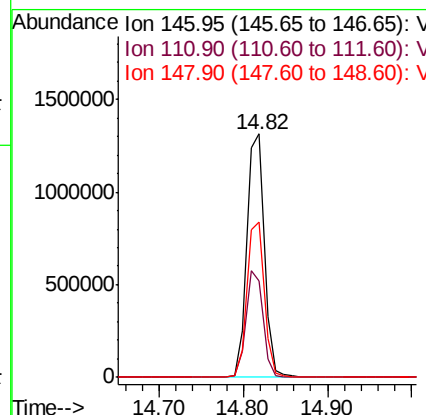
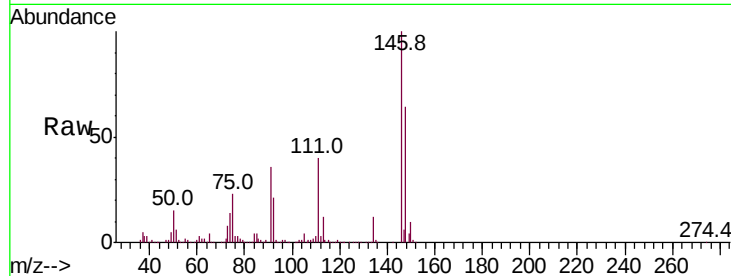


#91
 1,2-Dichlorobenzene
 Concen: 97.391 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1891997

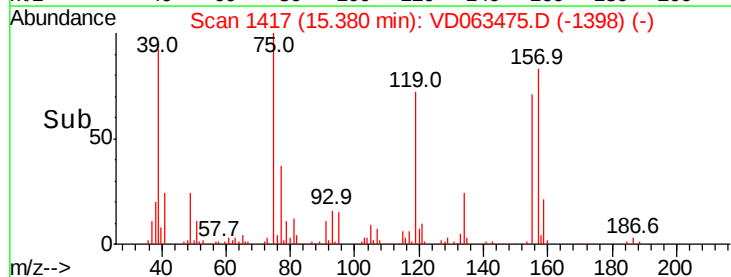
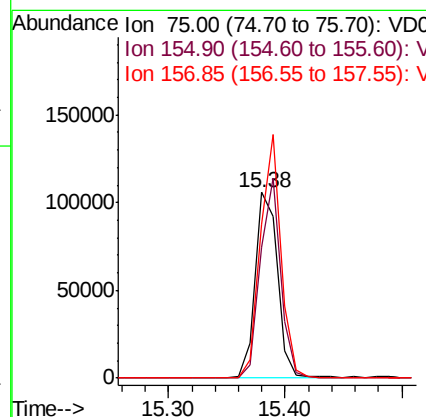
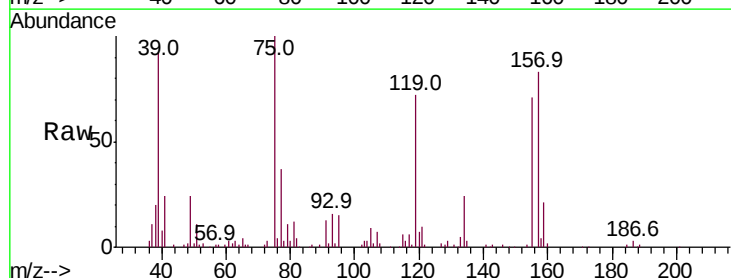
Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.2	60.6
148	64.0	32.1	96.5

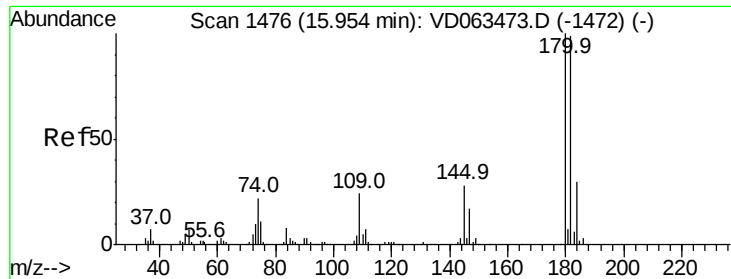


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 98.007 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

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

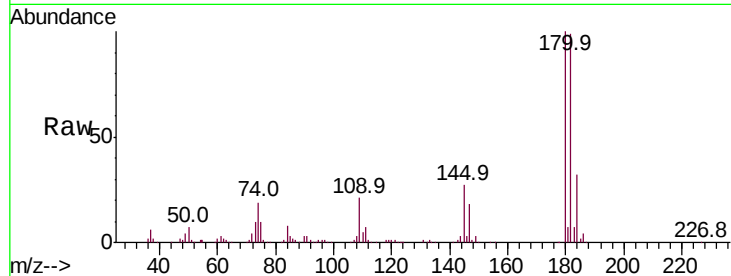




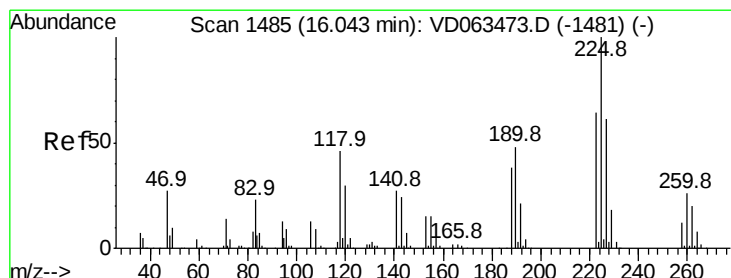
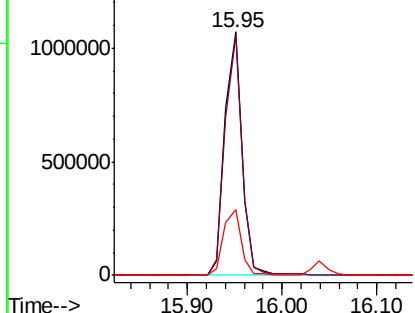
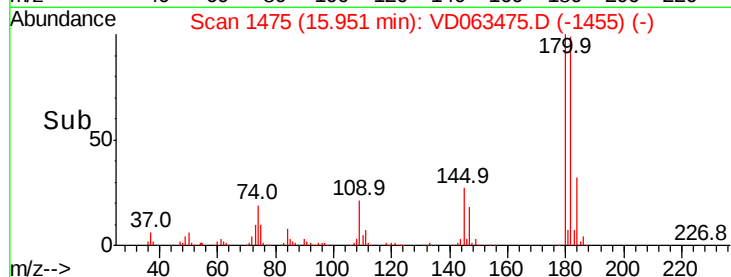
#93
 1,2,4-Trichlorobenzene
 Concen: 94.451 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

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

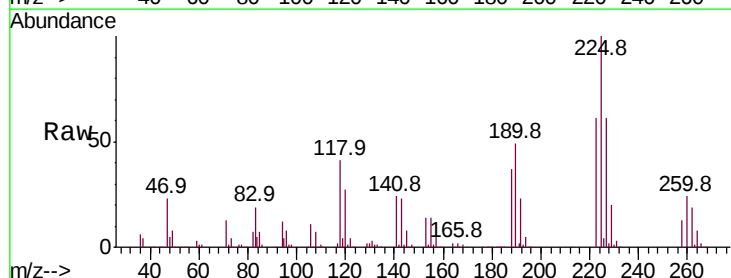


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

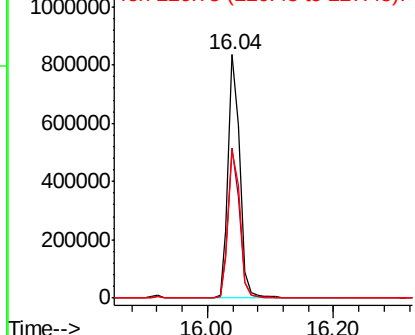
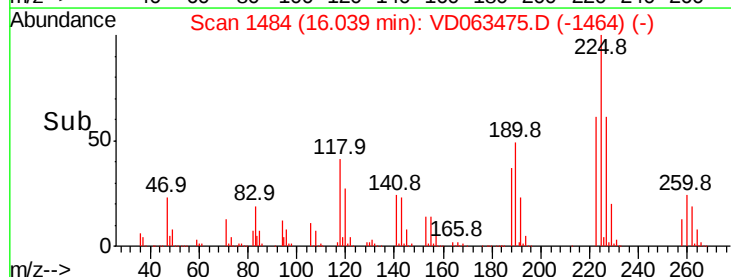


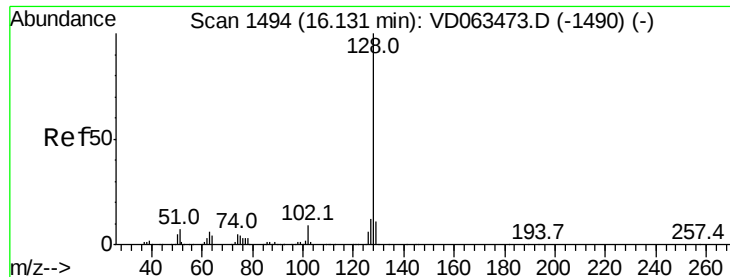
#94
 Hexachlorobutadiene
 Concen: 98.865 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063475.D
 Acq: 9 Aug 2019 15:51

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

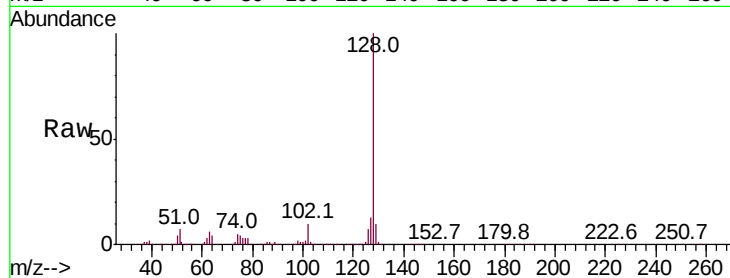
Tot Ion:128 Resp: 2190472

Ion Ratio Lower Upper

128 100

127 12.7 9.4 14.0

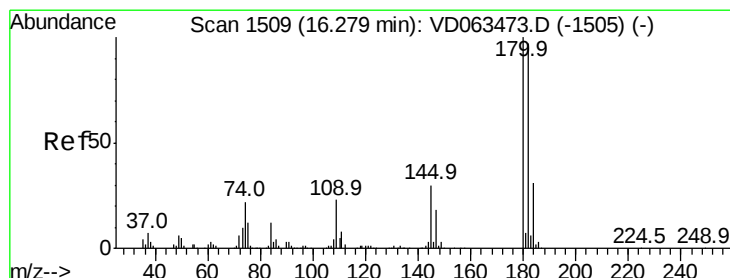
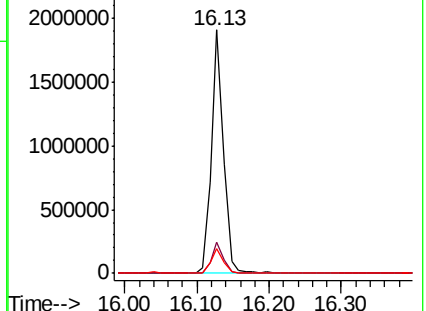
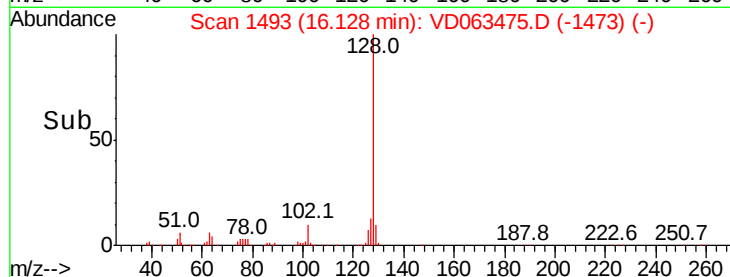
129 10.1 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 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

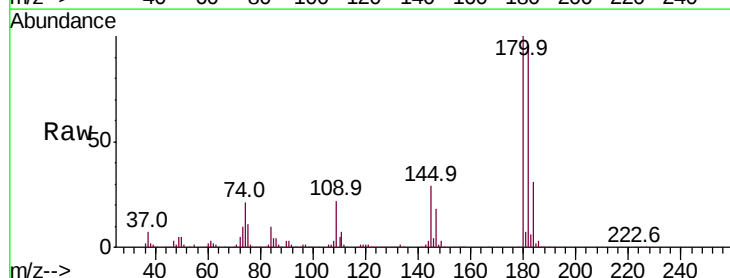
Tgt Ion:180 Resp: 1136630

Ion Ratio Lower Upper

180 100

182 96.1 48.4 145.2

145 28.9 14.9 44.9



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

