

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080219\
 Data File : VD063310.D
 Acq On : 2 Aug 2019 12:17
 Operator : VA/AP
 Sample : VD0802SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBSD01

Quant Time: Aug 04 03:36:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	1113238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1481681	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	1236394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	676295	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	608078	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
35) Dibromofluoromethane	6.91	113	709743	56.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.20%	
50) Toluene-d8	10.40	98	1476537	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
62) 4-Bromofluorobenzene	13.55	95	660459	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	280003	20.577	ug/l	99
3) Chloromethane	1.74	50	220400	20.846	ug/l	97
4) Vinyl Chloride	1.84	62	218499	19.964	ug/l	95
5) Bromomethane	2.14	94	92859	16.822	ug/l	99
6) Chloroethane	2.25	64	95117	18.823	ug/l	100
7) Trichlorofluoromethane	2.52	101	425936	20.060	ug/l	95
8) Diethyl Ether	2.86	74	48371	16.278	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.14	101	234687	19.953	ug/l	98
10) Methyl Iodide	3.29	142	318421	18.740	ug/l	95
11) Tert butyl alcohol	4.08	59	51489	94.983	ug/l	100
12) 1,1-Dichloroethene	3.11	96	176411	20.431	ug/l	88
13) Acrolein	3.02	56	38876	74.517	ug/l	92
14) Allyl chloride	3.60	41	279809	20.342	ug/l	98
15) Acrylonitrile	4.18	53	138530	98.570	ug/l	92
16) Acetone	3.22	43	231483	96.181	ug/l	96
17) Carbon Disulfide	3.36	76	576908	19.961	ug/l	98
18) Methyl Acetate	3.63	43	105748	22.875	ug/l	94
19) Methyl tert-butyl Ether	4.22	73	386326	19.807	ug/l	96
20) Methylene Chloride	3.80	84	187778	19.302	ug/l	92
21) trans-1,2-Dichloroethene	4.20	96	189089	19.517	ug/l	95
22) Diisopropyl ether	5.11	45	542617	19.745	ug/l	98
23) Vinyl Acetate	5.04	43	1690492	100.070	ug/l	99
24) 1,1-Dichloroethane	4.96	63	342752	19.526	ug/l	95
25) 2-Butanone	6.05	43	234353	97.026	ug/l	94
26) 2,2-Dichloropropane	6.00	77	356226	19.692	ug/l	100
27) cis-1,2-Dichloroethene	6.01	96	202697	19.514	ug/l	99
28) Bromochloromethane	6.42	49	123894	17.714	ug/l	99
29) Tetrahydrofuran	6.45	42	109108	95.411	ug/l	99
30) Chloroform	6.64	83	426242	19.566	ug/l	94
31) Cyclohexane	6.94	56	226311	20.568	ug/l	89
32) 1,1,1-Trichloroethane	6.85	97	414484	19.670	ug/l	95
36) 1,1-Dichloropropene	7.13	75	276347	20.437	ug/l	97
37) Ethyl Acetate	6.16	43	135239	22.262	ug/l #	91
38) Carbon Tetrachloride	7.10	117	402460	19.770	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	238630	21.181	ug/l	95
40) Benzene	7.44	78	591237	20.862	ug/l	99
41) Methacrylonitrile	6.44	41	140615	19.350	ug/l #	86
42) 1,2-Dichloroethane	7.56	62	311779	20.758	ug/l	98
43) Isopropyl Acetate	9.23	43	162756	20.973	ug/l #	99
44) Trichloroethene	8.52	130	238963	20.809	ug/l	91
45) 1,2-Dichloropropane	8.92	63	147601	20.491	ug/l	96
46) Dibromomethane	9.05	93	121671	20.314	ug/l	96
47) Bromodichloromethane	9.36	83	320756	21.009	ug/l	98
48) Methyl methacrylate	9.11	41	113450	22.542	ug/l	89
49) 1,4-Dioxane	9.07	88	17493	407.862	ug/l #	83
51) 4-Methyl-2-Pentanone	10.29	43	555640	105.284	ug/l	100
52) Toluene	10.49	92	412407	21.879	ug/l	87
53) t-1,3-Dichloropropene	10.90	75	267029	20.287	ug/l	100
54) cis-1,3-Dichloropropene	10.02	75	291758	21.090	ug/l	98
55) 1,1,2-Trichloroethane	11.17	97	140000	21.992	ug/l	96
56) Ethyl methacrylate	11.04	69	133730	19.184	ug/l	98
57) 1,3-Dichloropropane	11.40	76	194851	19.427	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.84	63	394422	108.739	ug/l	96
59) 2-Hexanone	11.52	43	388735	102.212	ug/l	98
60) Dibromochloromethane	11.68	129	250442	20.839	ug/l	92
61) 1,2-Dibromoethane	11.79	107	164140	20.896	ug/l	98
64) Tetrachloroethene	11.24	164	213784	21.704	ug/l	95
65) Chlorobenzene	12.38	112	483402	20.327	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	219254	20.930	ug/l	96
67) Ethyl Benzene	12.51	91	808367	20.009	ug/l	96
68) m/p-Xylenes	12.66	106	651645	43.984	ug/l	94
69) o-Xylene	13.04	106	291765	21.445	ug/l	88
70) Styrene	13.06	104	494395	20.490	ug/l	99
71) Bromoform	13.22	173	154602	20.294	ug/l	99
73) Isopropylbenzene	13.40	105	842331	19.845	ug/l	98
74) N-amyl acetate	13.26	43	224471	20.004	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	146528	20.323	ug/l	96
76) 1,2,3-Trichloropropane	13.72	75	163999	20.189	ug/l	100
77) Bromobenzene	13.66	156	240744	19.910	ug/l	84
78) n-propylbenzene	13.76	91	1028719	20.366	ug/l	100
79) 2-Chlorotoluene	13.83	91	570028	19.476	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	760456	20.772	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	42950	19.041	ug/l	100
82) 4-Chlorotoluene	13.94	91	705859	20.492	ug/l	93
83) tert-Butylbenzene	14.19	119	870106	20.815	ug/l	90
84) 1,2,4-Trimethylbenzene	14.22	105	728499	19.238	ug/l	96
85) sec-Butylbenzene	14.36	105	924560	20.993	ug/l	100
86) p-Isopropyltoluene	14.48	119	791171	18.822	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	407145	19.014	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	417307	19.272	ug/l	98
89) n-Butylbenzene	14.79	91	761297	20.969	ug/l	95
90) Hexachloroethane	15.00	117	217806	19.888	ug/l	81
91) 1,2-Dichlorobenzene	14.80	146	387617	20.776	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	27997	19.063	ug/l	83

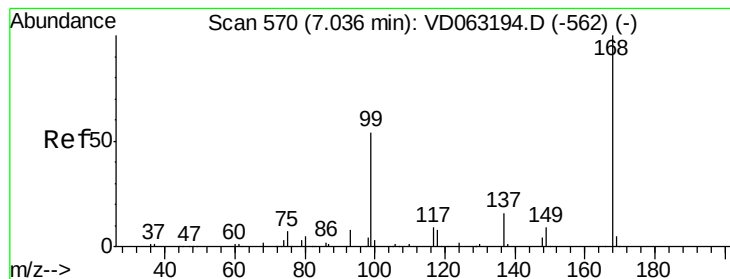
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080219\
Data File : VD063310.D
Acq On : 2 Aug 2019 12:17
Operator : VA/AP
Sample : VD0802SBSD01
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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	300743	20.319	ug/l	94
94) Hexachlorobutadiene	16.03	225	210000	19.579	ug/l	99
95) Naphthalene	16.11	128	418918	20.025	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	217863	18.633	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

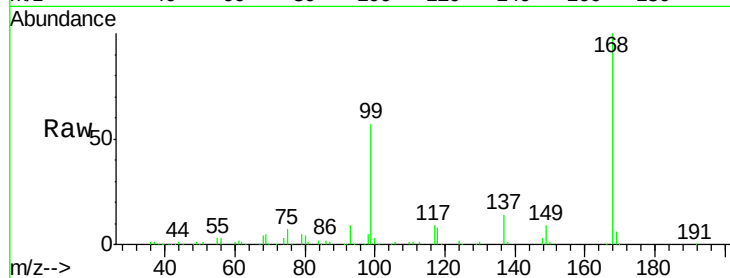
VD0802SBSD01

Tot Ion:168 Resp: 1113238

Ion Ratio Lower Upper

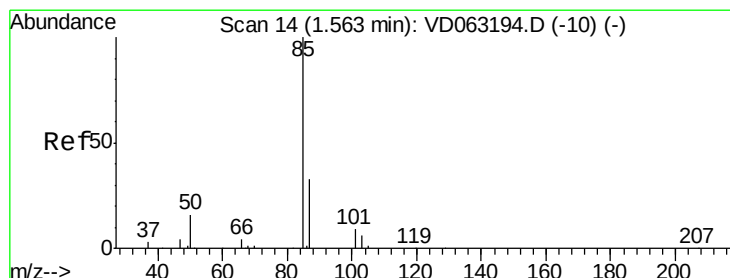
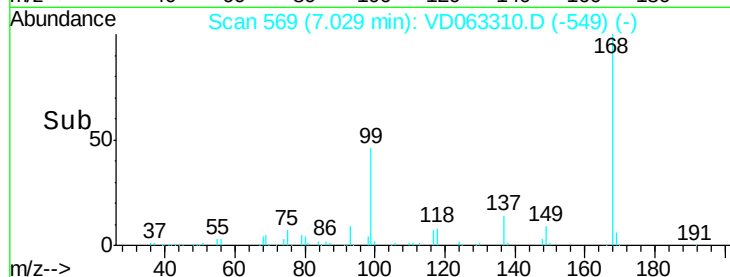
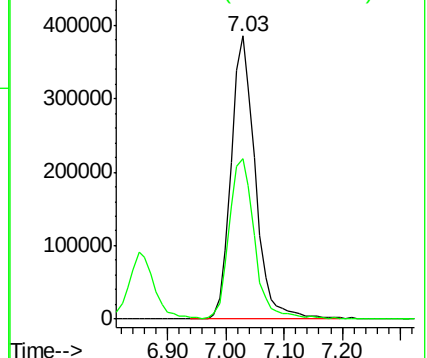
168 100

99 56.6 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.577 ug/l

RT: 1.56 min Scan# 14

Delta R.T. 0.00 min

Lab File: VD063310.D

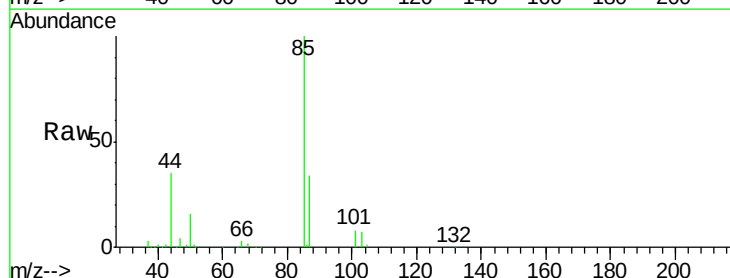
Acq: 2 Aug 2019 12:17

Tgt Ion: 85 Resp: 280003

Ion Ratio Lower Upper

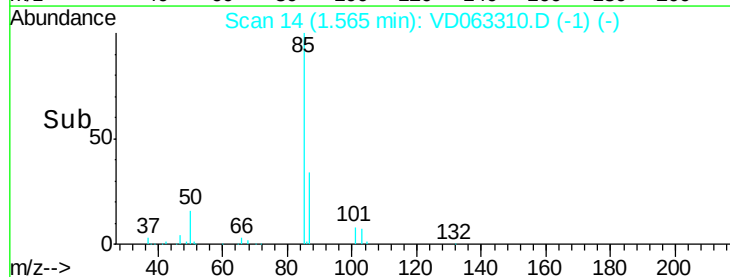
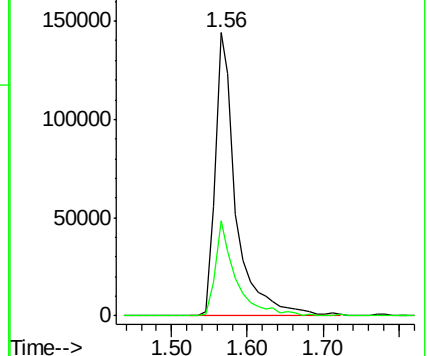
85 100

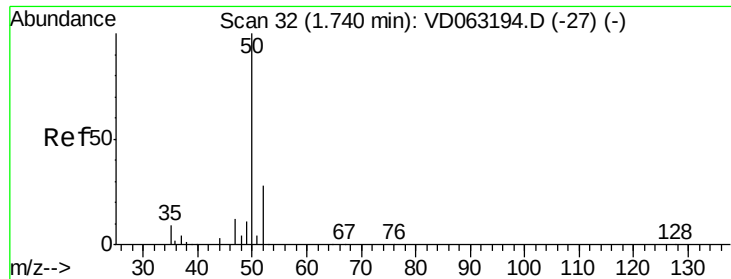
87 33.6 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.846 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

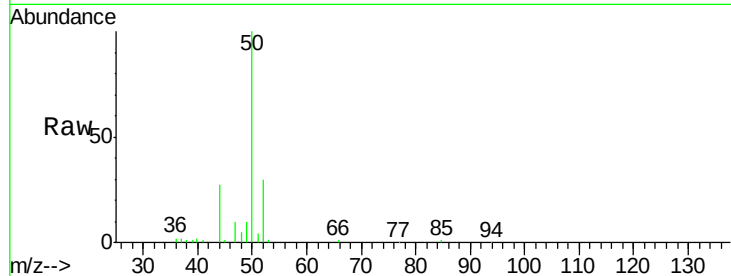
VD0802SBSD01

Tot Ion: 50 Resp: 220400

Ion Ratio Lower Upper

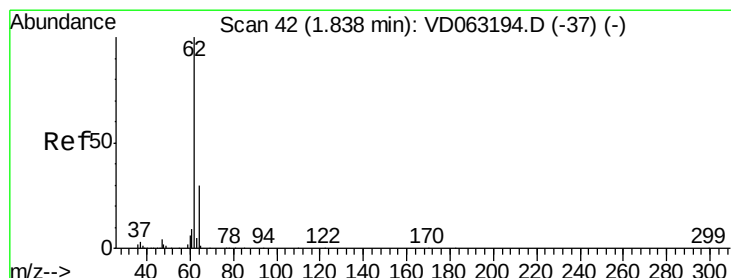
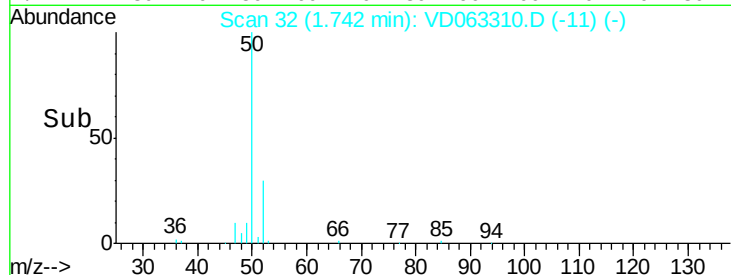
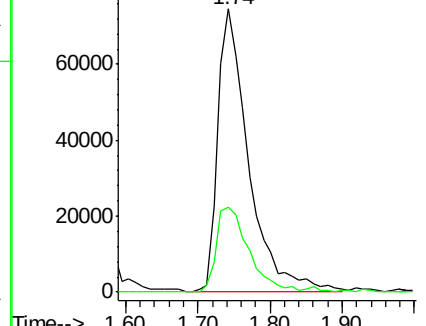
50 100

52 29.9 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.964 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063310.D

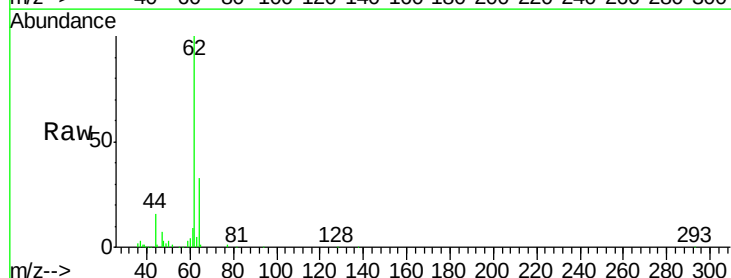
Acq: 2 Aug 2019 12:17

Tgt Ion: 62 Resp: 218499

Ion Ratio Lower Upper

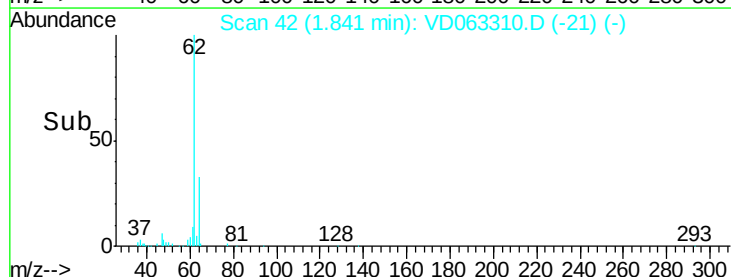
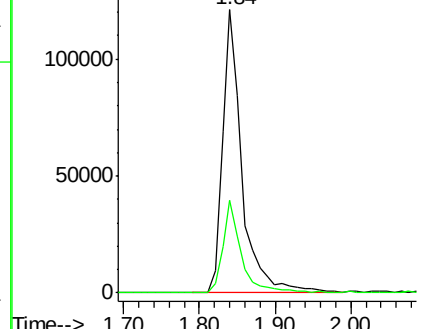
62 100

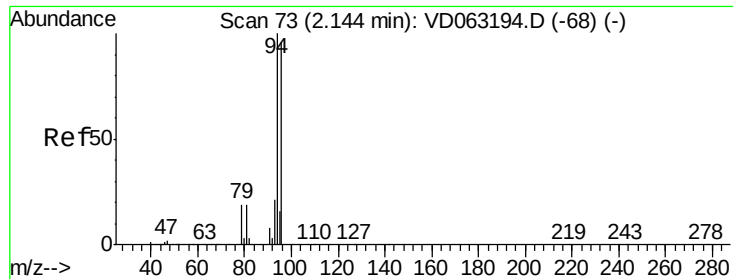
64 32.6 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.822 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBSD01

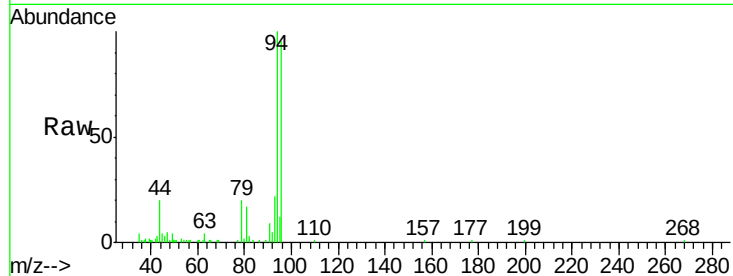
Tot Ion: 94 Resp: 92859

Ion Ratio Lower Upper

94 100

96 94.9 76.4 114.6

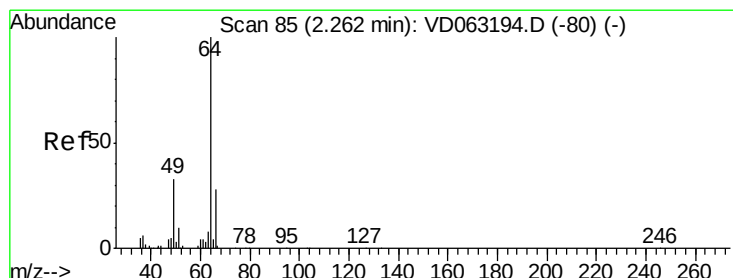
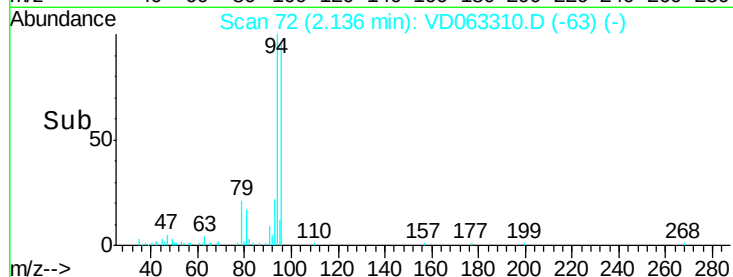
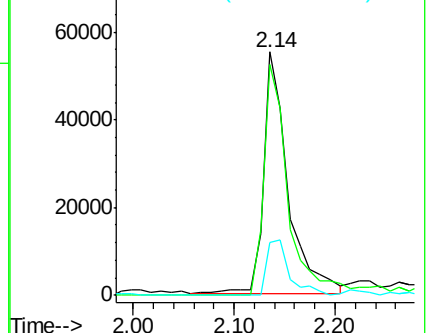
93 21.8 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 18.823 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063310.D

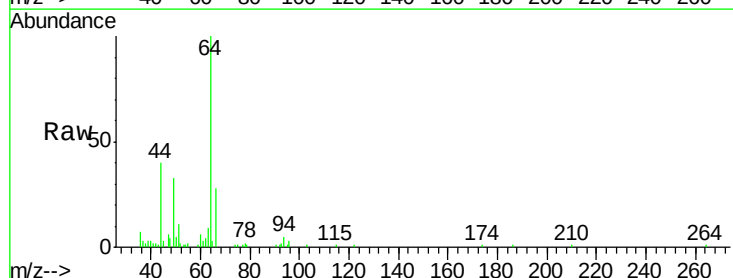
Acq: 2 Aug 2019 12:17

Tgt Ion: 64 Resp: 95117

Ion Ratio Lower Upper

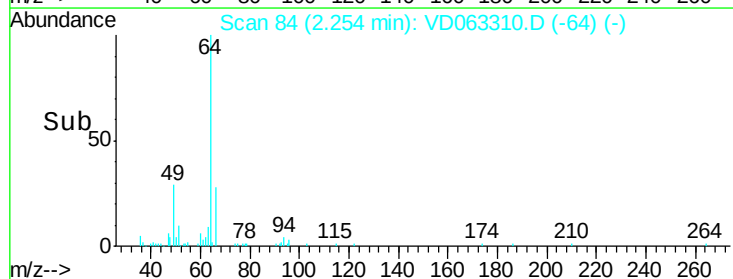
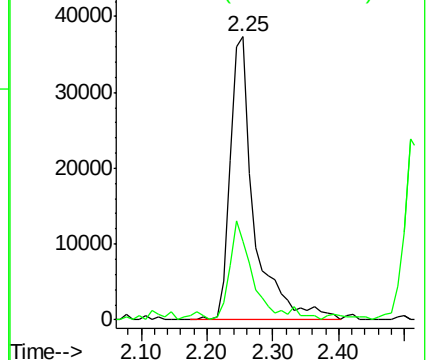
64 100

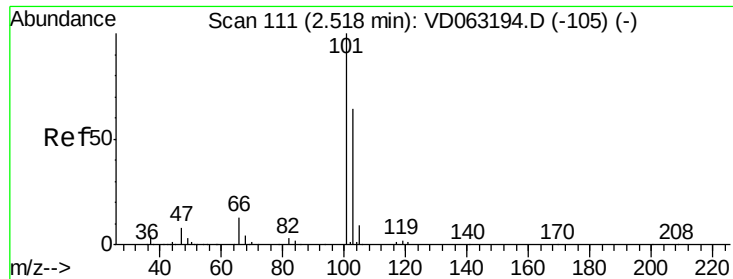
66 27.7 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



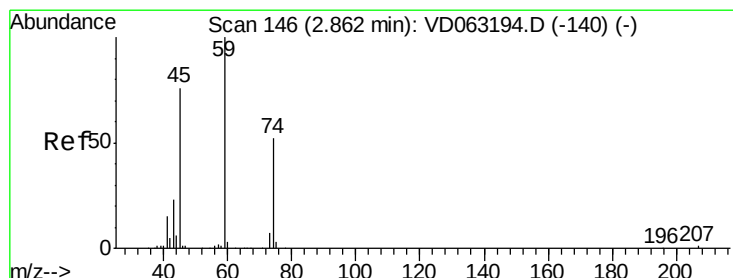
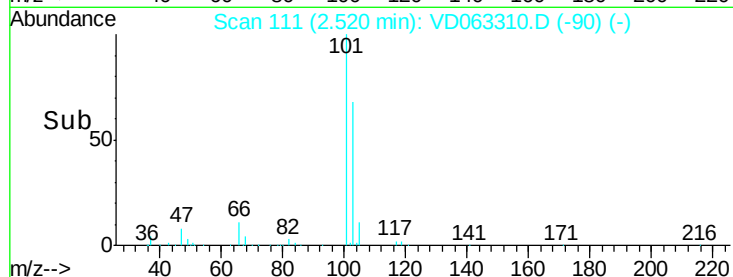
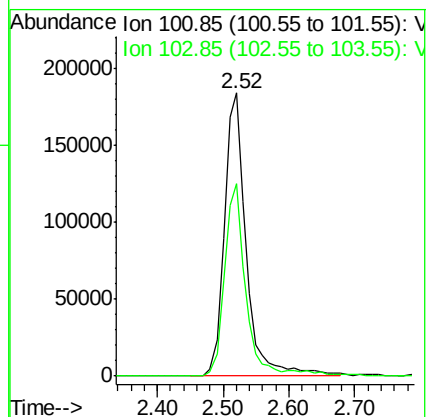
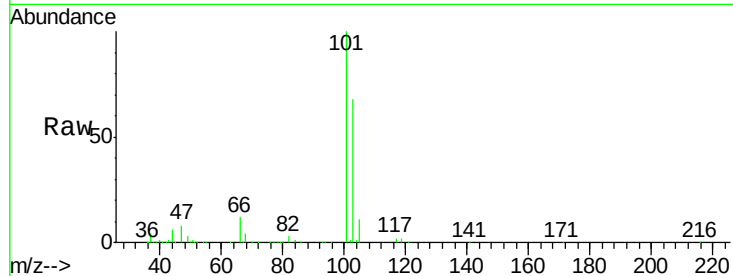


#7

Trichlorofluoromethane
Concen: 20.060 ug/l
RT: 2.52 min Scan# 111
Delta R.T. 0.00 min
Lab File: VD063310.D
Acq: 2 Aug 2019 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0802SBSD01

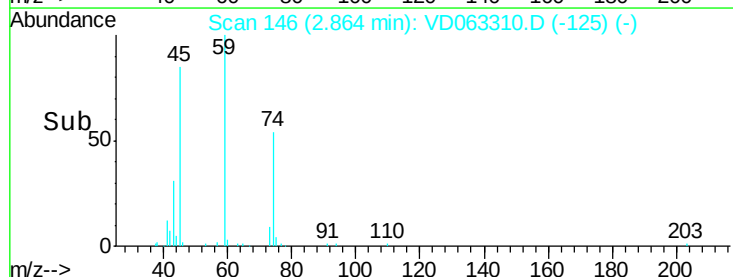
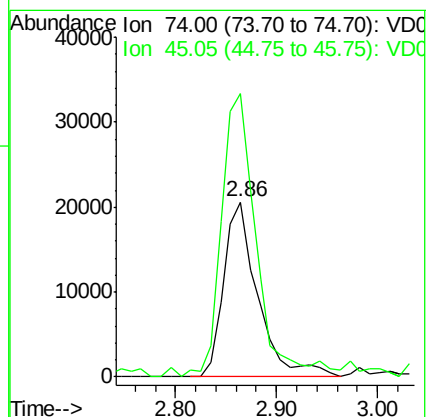
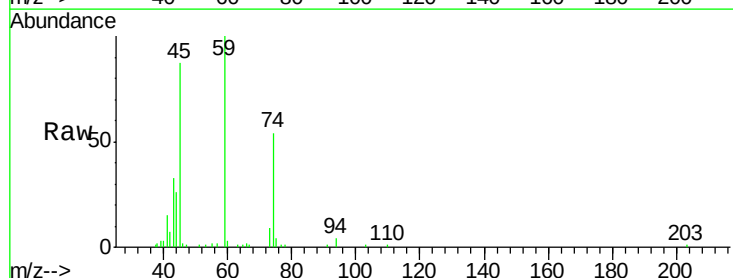
Tot Ion:101 Resp: 425936
Ion Ratio Lower Upper
101 100
103 68.1 51.5 77.3

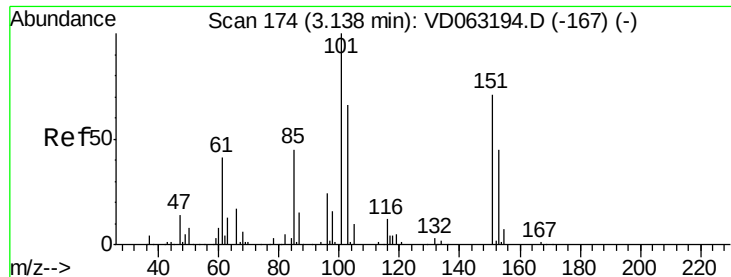


#8

Diethyl Ether
Concen: 16.278 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD063310.D
Acq: 2 Aug 2019 12:17

Tgt Ion: 74 Resp: 48371
Ion Ratio Lower Upper
74 100
45 162.1 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.953 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBSD01

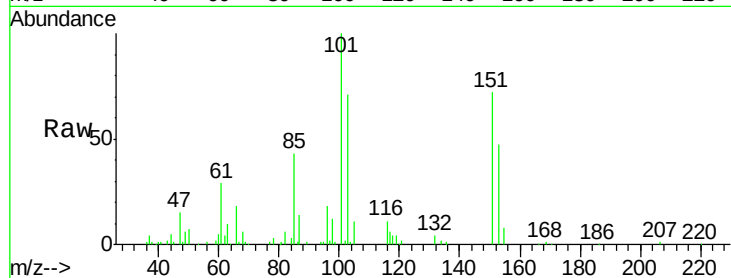
Tot Ion:101 Resp: 234687

Ion Ratio Lower Upper

101 100

85 43.5 36.1 54.1

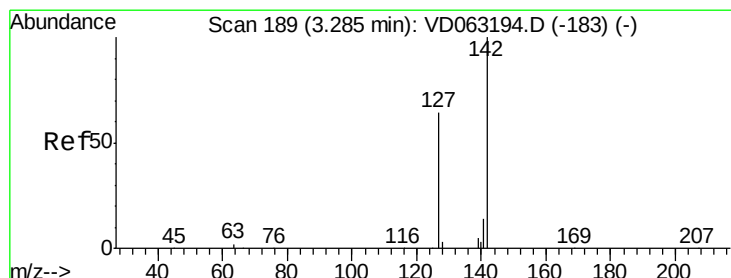
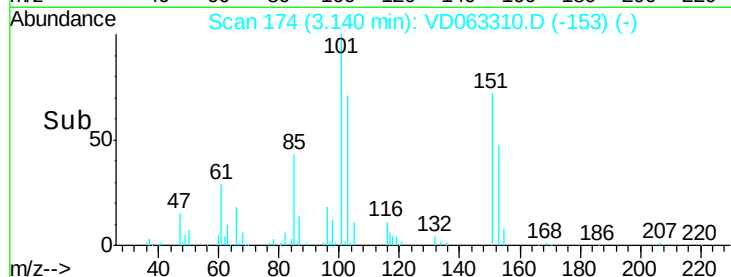
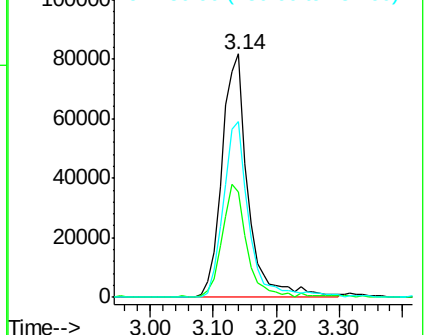
151 72.2 57.1 85.7



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: 18.740 ug/l

RT: 3.29 min Scan# 189

Delta R.T. 0.00 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

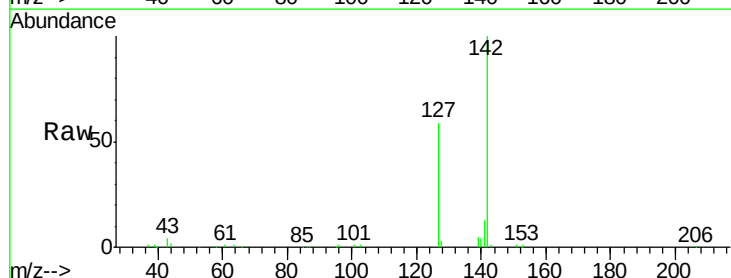
Tgt Ion:142 Resp: 318421

Ion Ratio Lower Upper

142 100

127 58.9 50.8 76.2

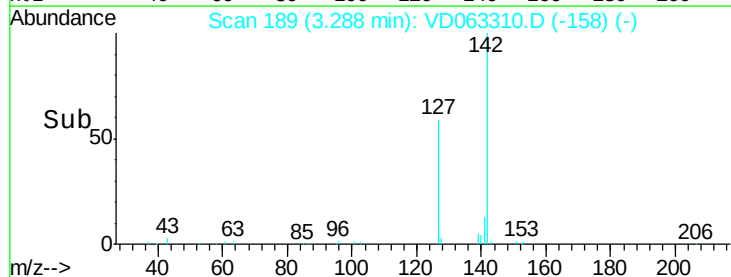
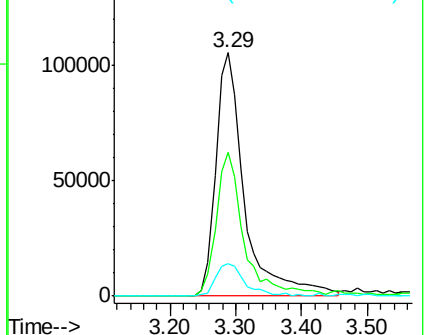
141 13.2 11.4 17.2

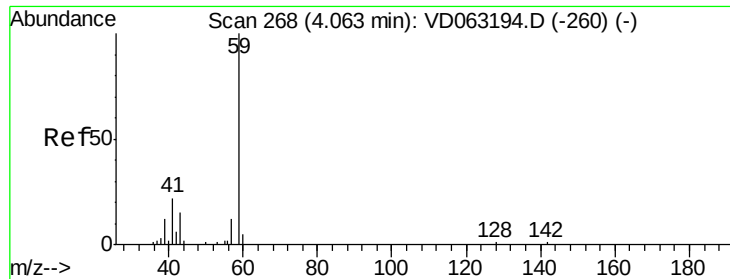


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



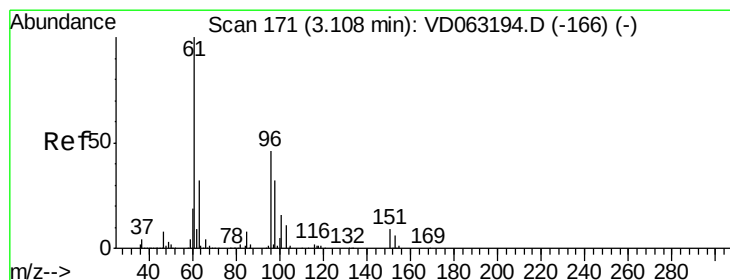
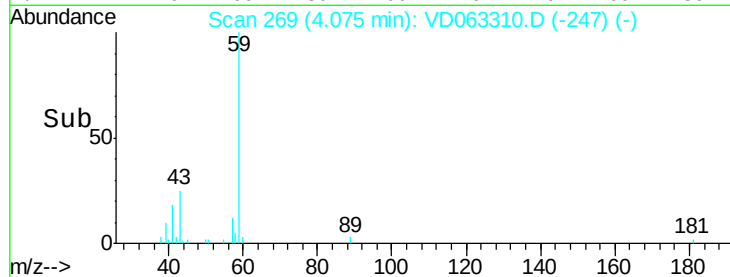
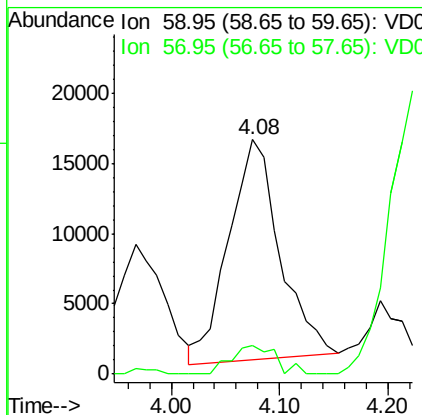
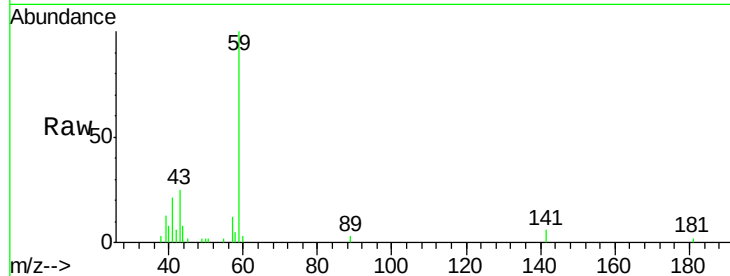


#11

Tert butyl alcohol
Concen: 94.983 ug/l
RT: 4.08 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD063310.D
Acq: 2 Aug 2019 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0802SBSD01

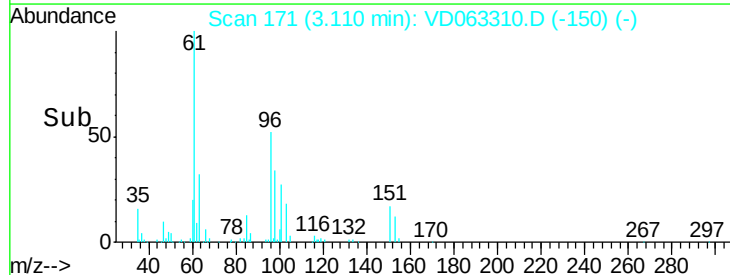
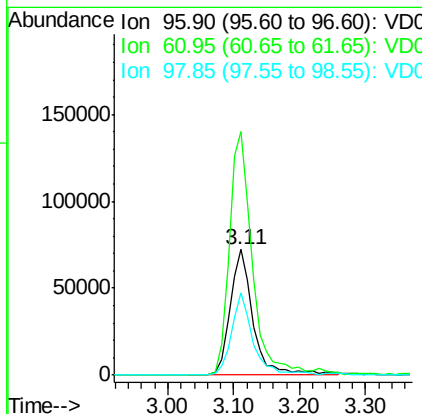
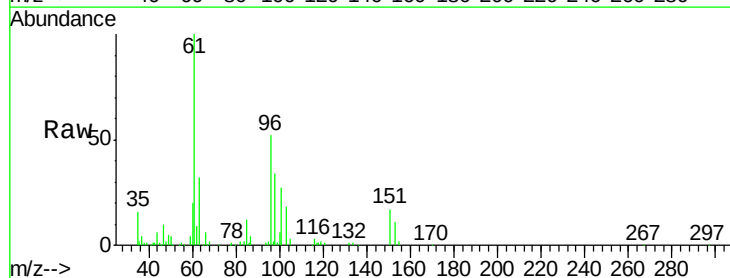
Tot Ion: 59 Resp: 51489
Ion Ratio Lower Upper
59 100
57 12.1 9.6 14.4

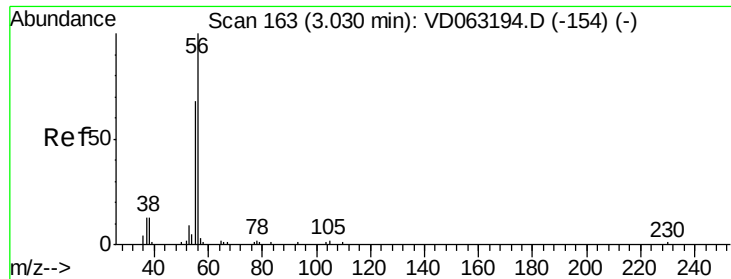


#12

1,1-Dichloroethene
Concen: 20.431 ug/l
RT: 3.11 min Scan# 171
Delta R.T. 0.00 min
Lab File: VD063310.D
Acq: 2 Aug 2019 12:17

Tgt Ion: 96 Resp: 176411
Ion Ratio Lower Upper
96 100
61 194.1 173.7 260.5
98 65.7 55.8 83.8





#13

Acrolein

Concen: 74.517 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

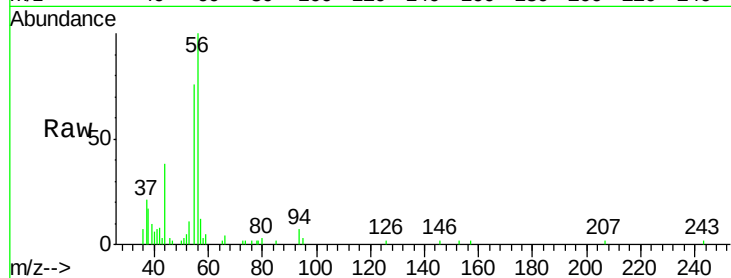
VD0802SBS01

Tot Ion: 56 Resp: 38876

Ion Ratio Lower Upper

56 100

55 75.7 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

20000

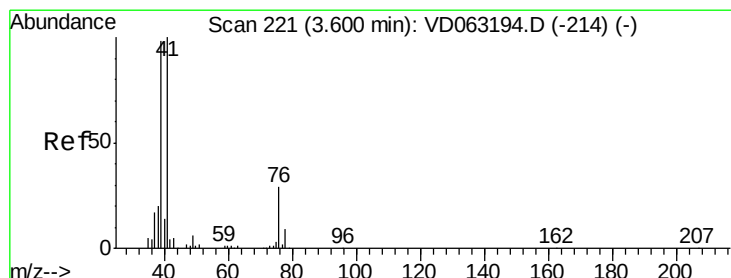
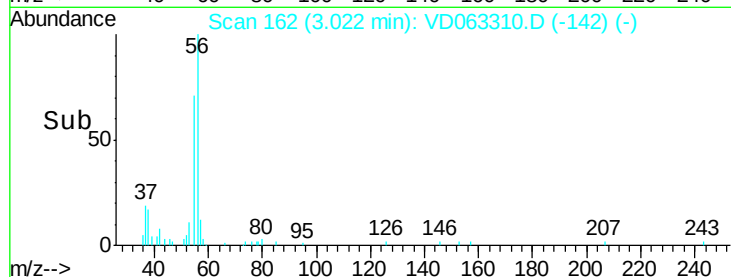
15000

10000

5000

0

Time--> 2.90 2.95 3.00 3.05 3.10



#14

Allyl chloride

Concen: 20.342 ug/l

RT: 3.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

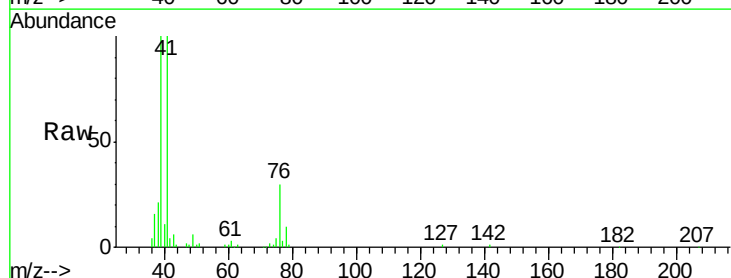
Tgt Ion: 41 Resp: 279809

Ion Ratio Lower Upper

41 100

39 100.3 78.6 117.8

76 29.7 24.5 36.7



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

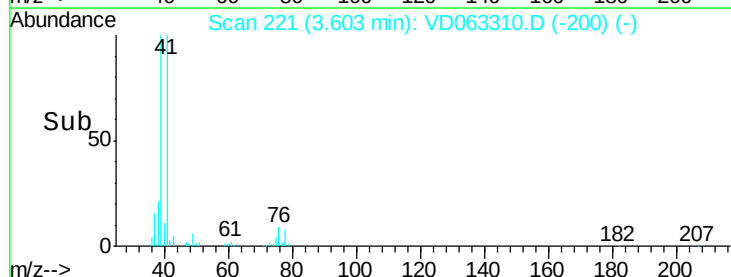
150000

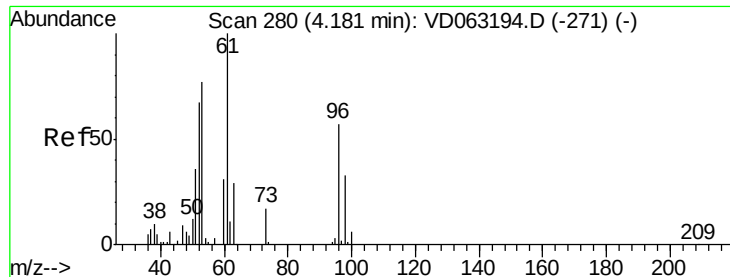
100000

50000

0

Time--> 3.50 3.60 3.70





#15

Acrylonitrile

Concen: 98.570 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBSD01

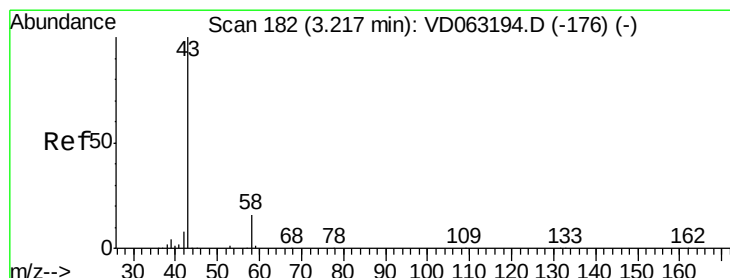
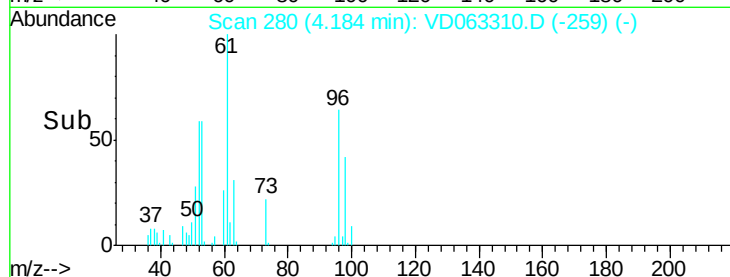
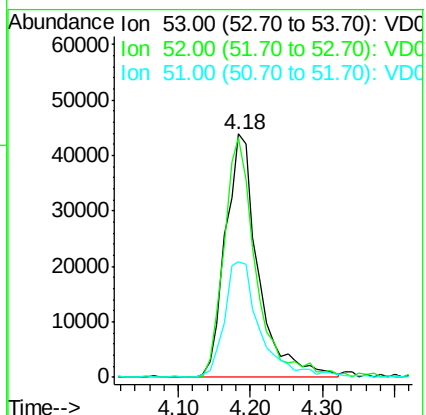
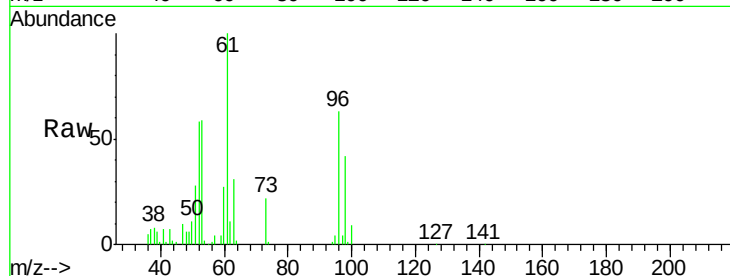
Tot Ion: 53 Resp: 138530

Ion Ratio Lower Upper

53 100

52 98.5 69.7 104.5

51 47.6 37.4 56.0



#16

Acetone

Concen: 96.181 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063310.D

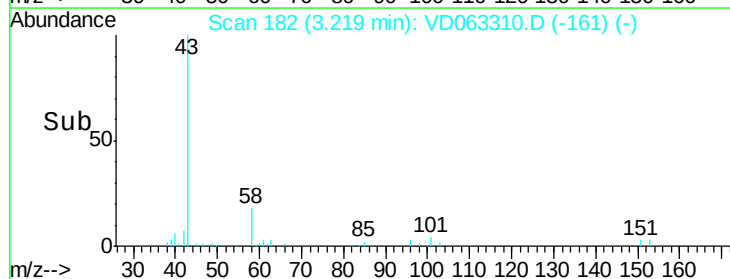
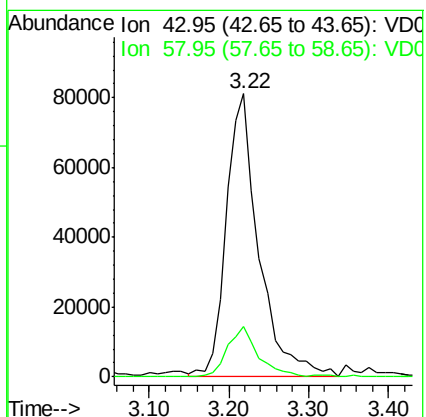
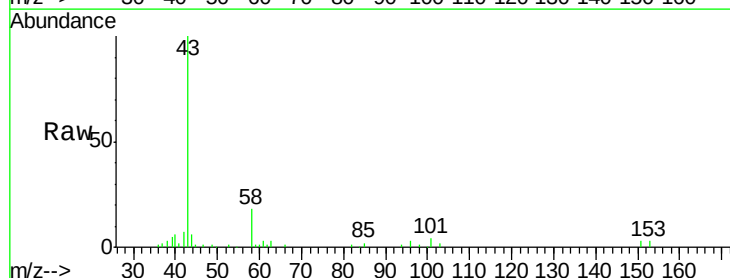
Acq: 2 Aug 2019 12:17

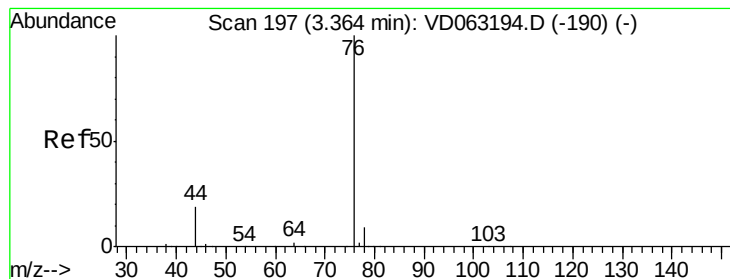
Tgt Ion: 43 Resp: 231483

Ion Ratio Lower Upper

43 100

58 17.9 13.0 19.4





#17

Carbon Disulfide

Concen: 19.961 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.01 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

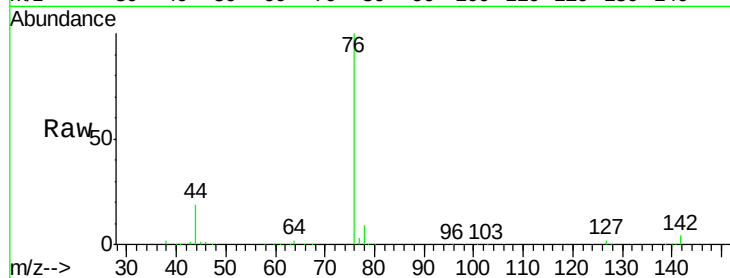
VD0802SBSD01

Tot Ion: 76 Resp: 576908

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.36

250000

200000

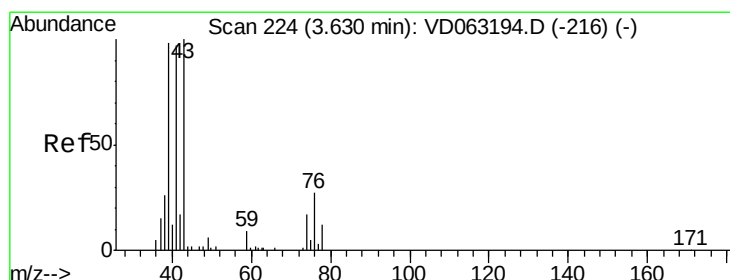
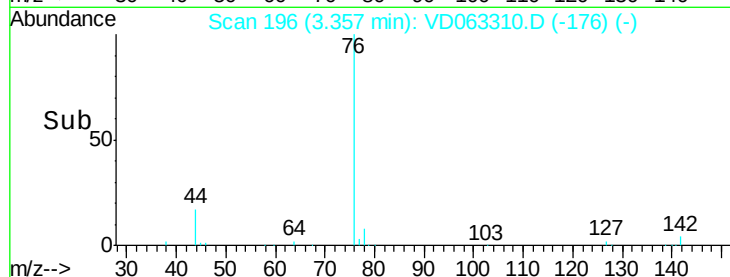
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 22.875 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD063310.D

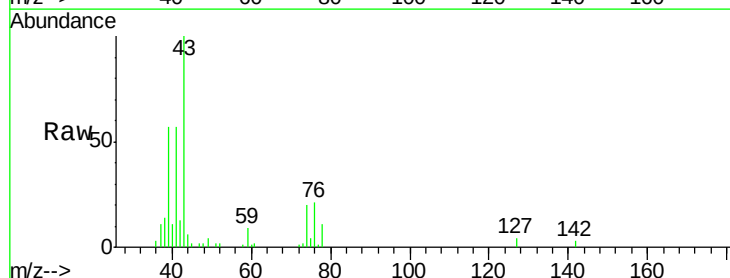
Acq: 2 Aug 2019 12:17

Tgt Ion: 43 Resp: 105748

Ion Ratio Lower Upper

43 100

74 20.1 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.63

40000

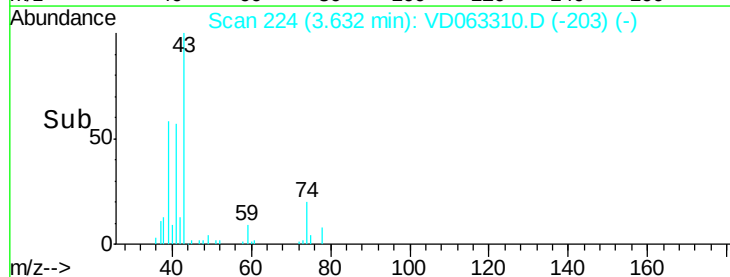
30000

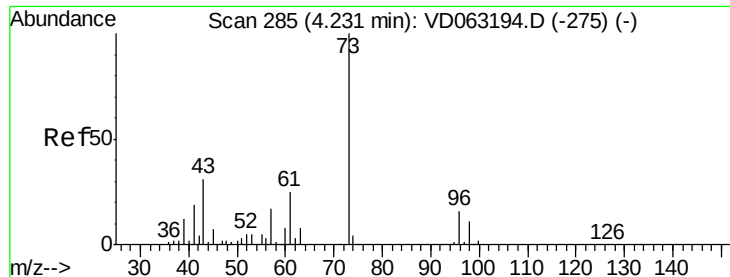
20000

10000

0

Time-->



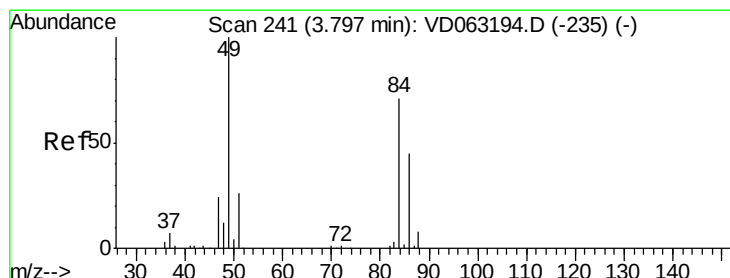
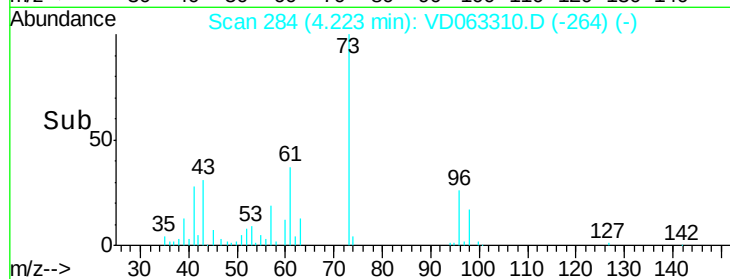
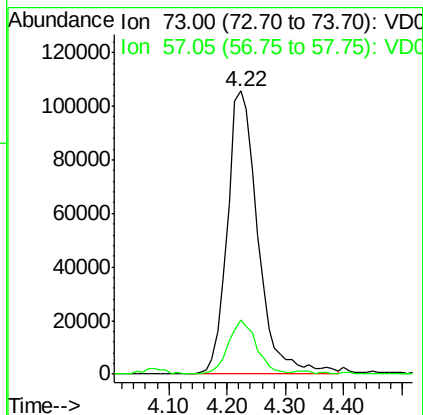
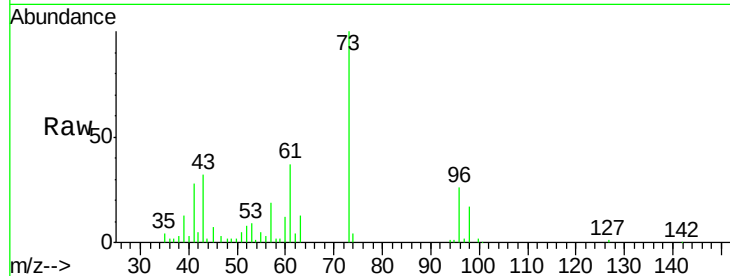


#19

Methyl tert-butyl Ether
 Concen: 19.807 ug/l
 RT: 4.22 min Scan# 284
 Delta R.T. -0.01 min
 Lab File: VD063310.D
 Acq: 2 Aug 2019 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBSD01

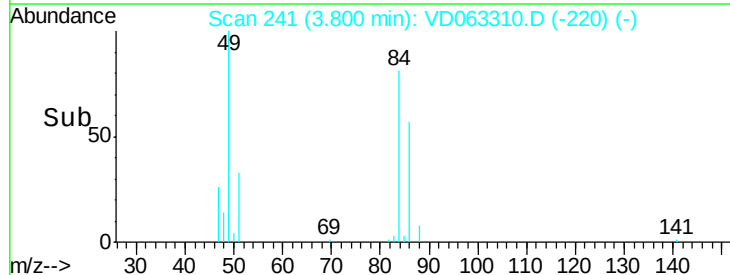
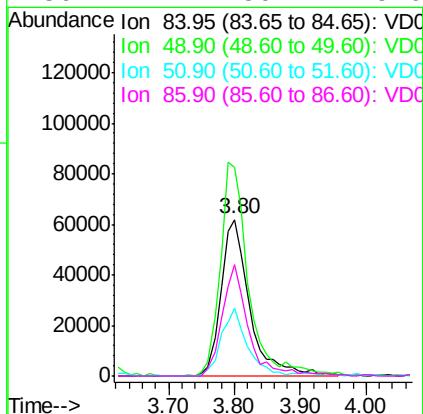
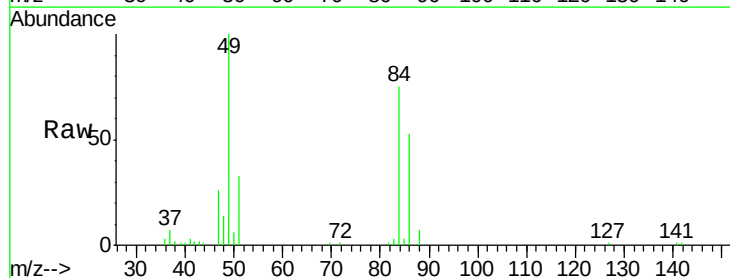
Tot Ion: 73 Resp: 386326
 Ion Ratio Lower Upper
 73 100
 57 19.1 13.8 20.6

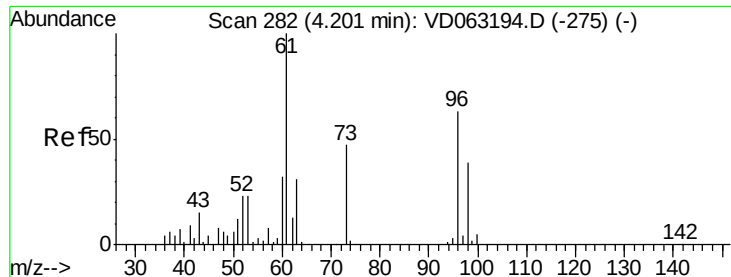


#20

Methylene Chloride
 Concen: 19.302 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. 0.00 min
 Lab File: VD063310.D
 Acq: 2 Aug 2019 12:17

Tgt Ion: 84 Resp: 187778
 Ion Ratio Lower Upper
 84 100
 49 133.8 112.5 168.7
 51 43.6 29.6 44.4
 86 71.1 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 19.517 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBSD01

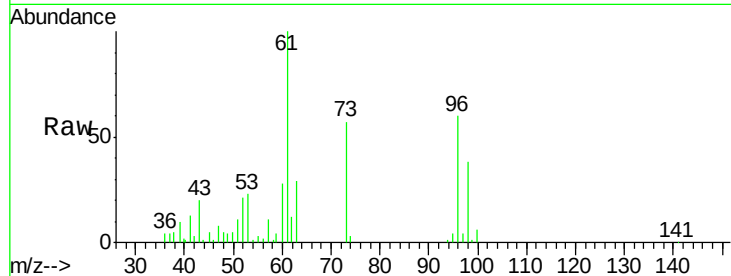
Tot Ion: 96 Resp: 189089

Ion Ratio Lower Upper

96 100

61 167.5 127.4 191.2

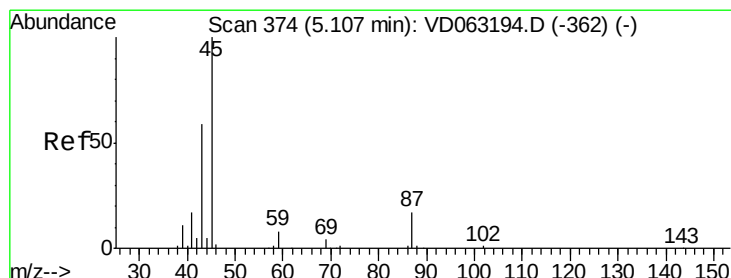
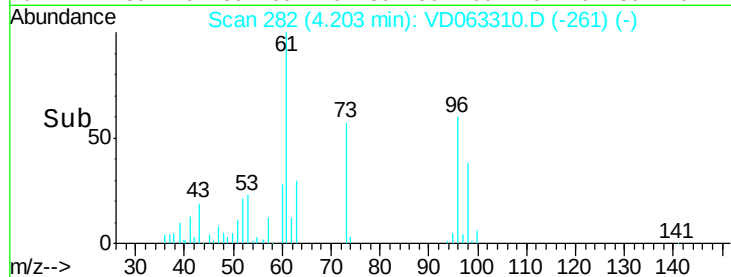
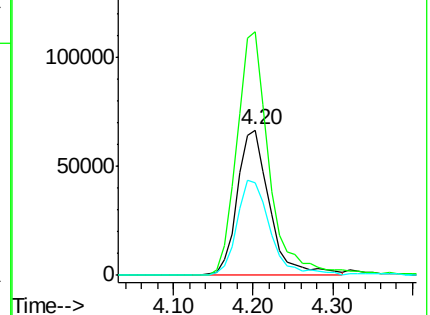
98 63.9 49.3 73.9



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: 19.745 ug/l

RT: 5.11 min Scan# 374

Delta R.T. 0.00 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

Tgt Ion: 45 Resp: 542617

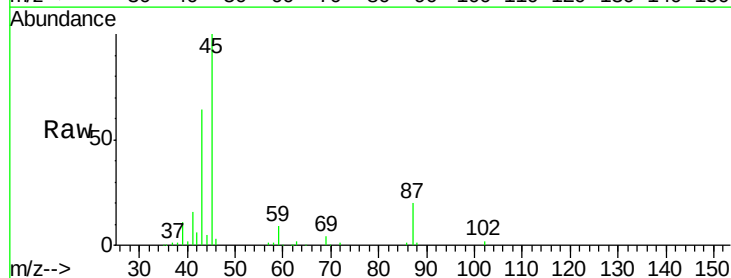
Ion Ratio Lower Upper

45 100

43 64.1 51.7 77.5

87 20.0 14.6 21.8

59 9.3 6.6 10.0

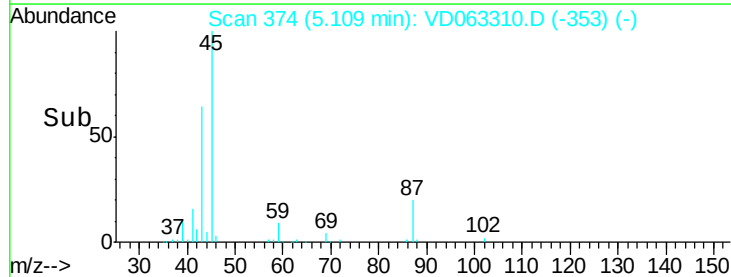
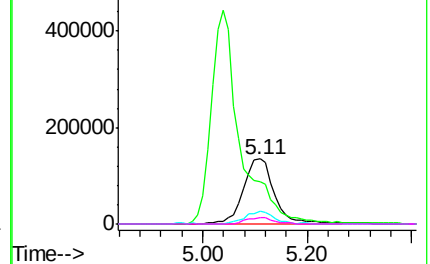


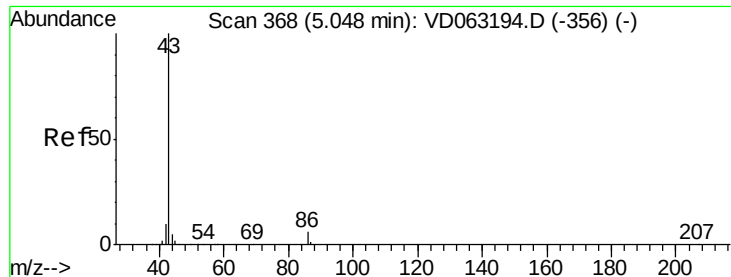
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 100.070 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

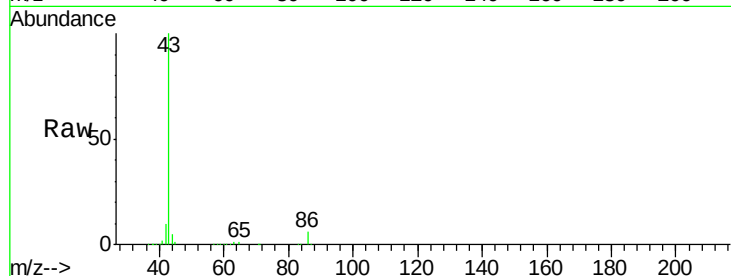
VD0802SBSD01

Tot Ion: 43 Resp: 1690492

Ion Ratio Lower Upper

43 100

86 5.8 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.04

400000

300000

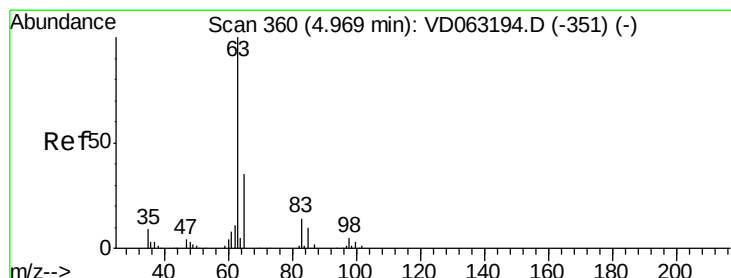
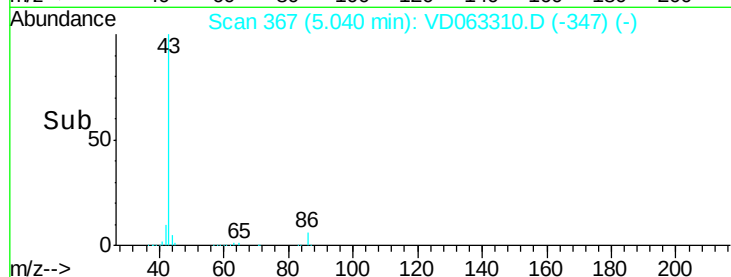
200000

100000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 19.526 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.01 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

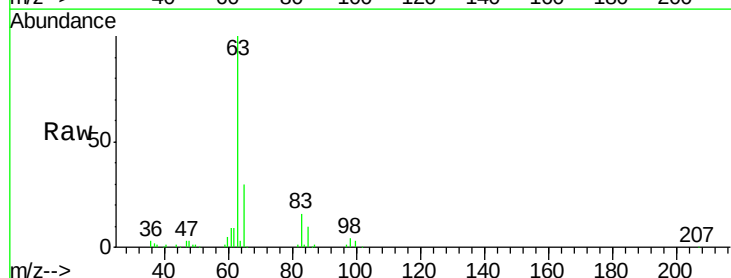
Tgt Ion: 63 Resp: 342752

Ion Ratio Lower Upper

63 100

98 3.6 2.8 8.4

100 3.1 1.3 3.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.96

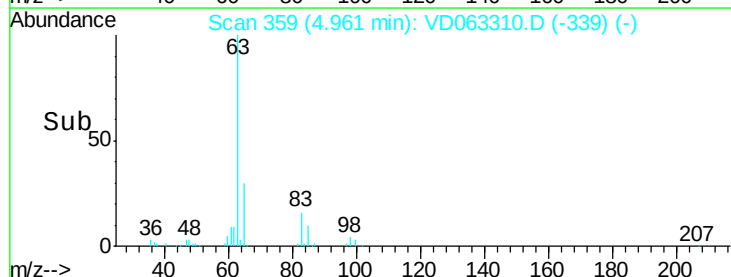
100000

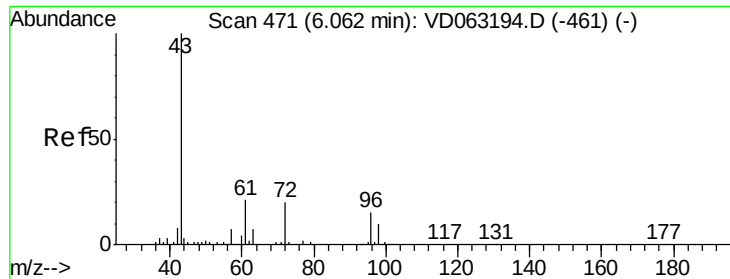
50000

0

Time-->

4.80 4.90 5.00 5.10





#25

2-Butanone

Concen: 97.026 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.01 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

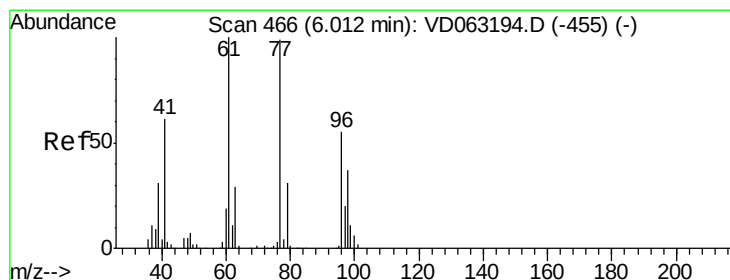
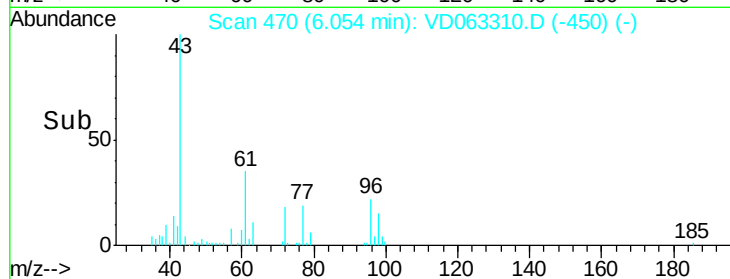
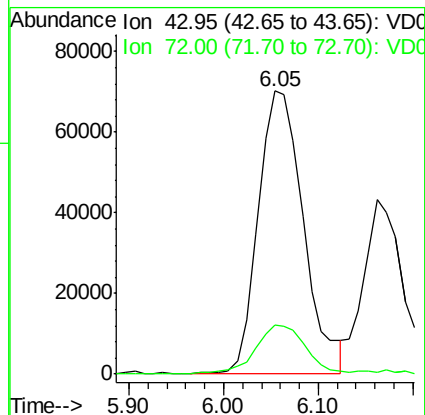
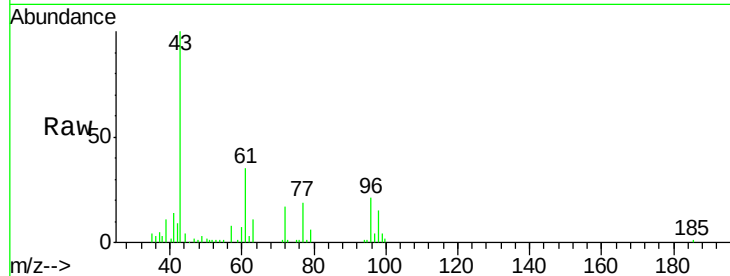
VD0802SBS01

Tot Ion: 43 Resp: 234353

Ion Ratio Lower Upper

43 100

72 17.4 16.3 24.5



#26

2,2-Dichloropropane

Concen: 19.692 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD063310.D

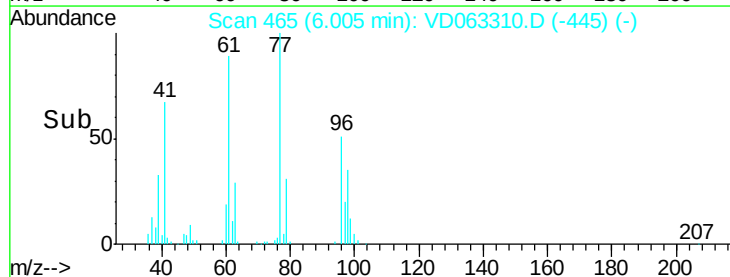
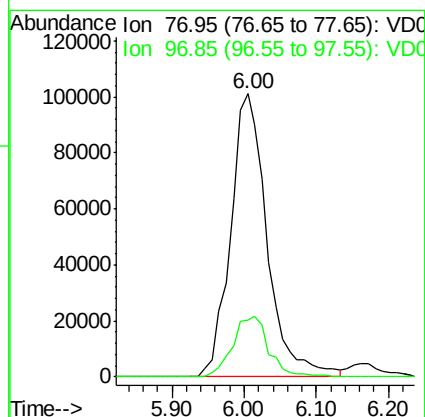
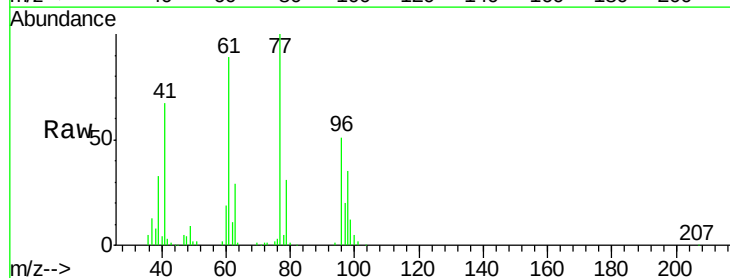
Acq: 2 Aug 2019 12:17

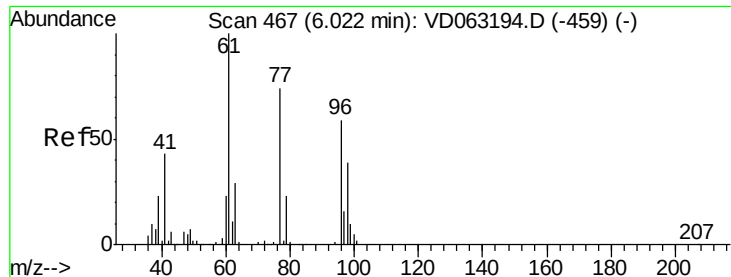
Tgt Ion: 77 Resp: 356226

Ion Ratio Lower Upper

77 100

97 20.3 10.2 30.6



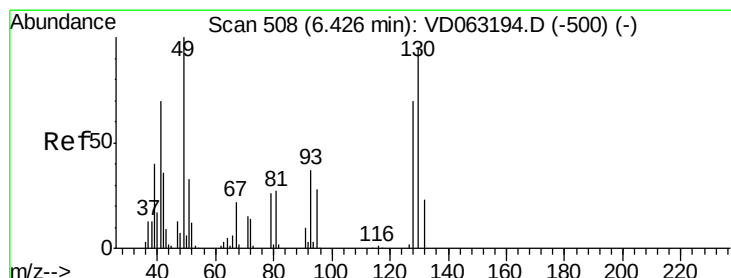
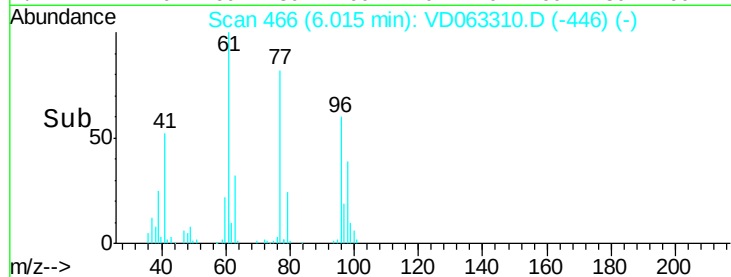
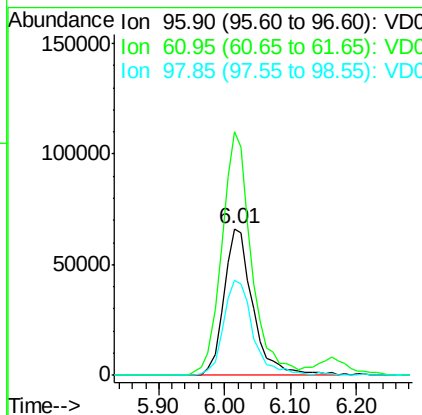
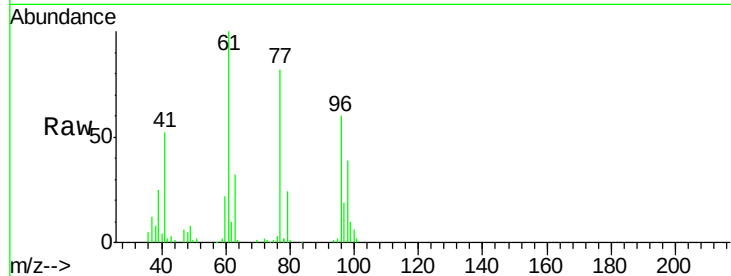


#27

cis-1,2-Dichloroethene
 Concen: 19.514 ug/l
 RT: 6.01 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: VD063310.D
 Acq: 2 Aug 2019 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBSD01

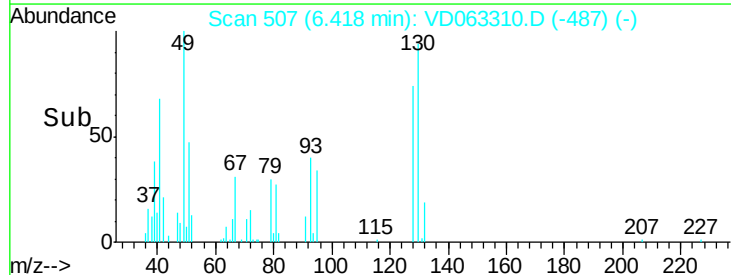
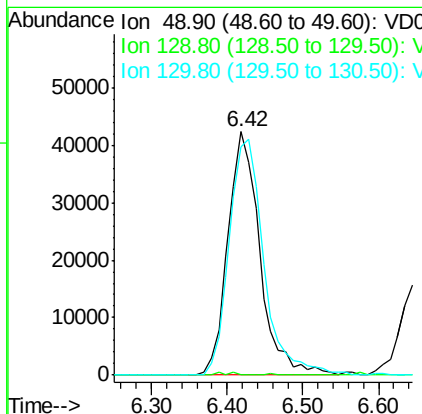
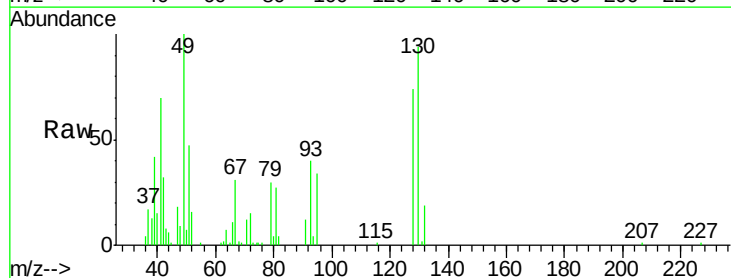
Tot Ion	96	Resp	202697
Ion	Ratio	Lower	Upper
96	100		
61	166.4	0.0	337.2
98	65.3	0.0	130.6

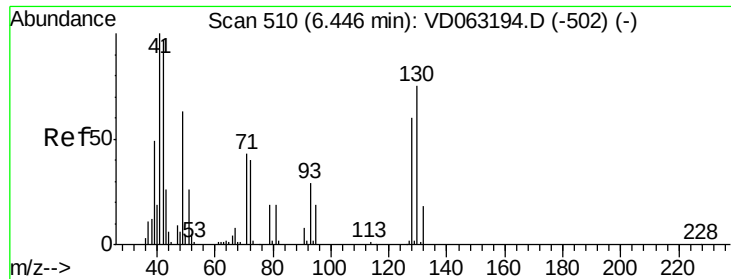


#28

Bromochloromethane
 Concen: 17.714 ug/l
 RT: 6.42 min Scan# 507
 Delta R.T. -0.01 min
 Lab File: VD063310.D
 Acq: 2 Aug 2019 12:17

Tgt Ion	49	Resp	123894
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	93.5	75.7	113.5

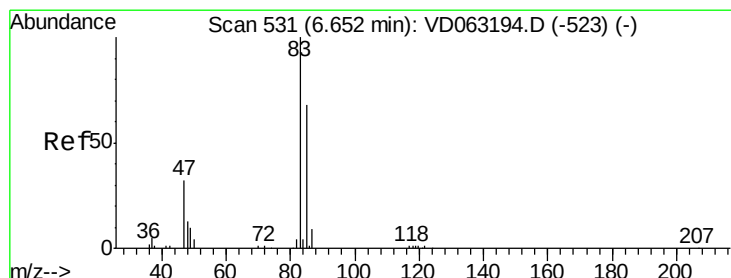
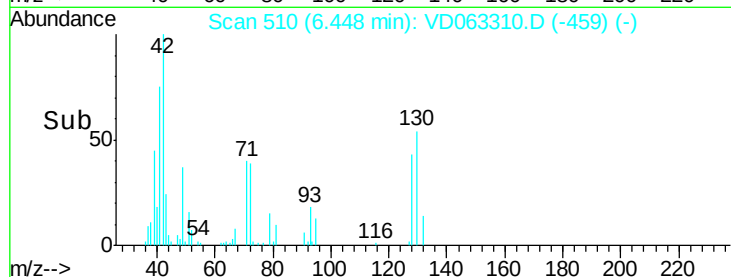
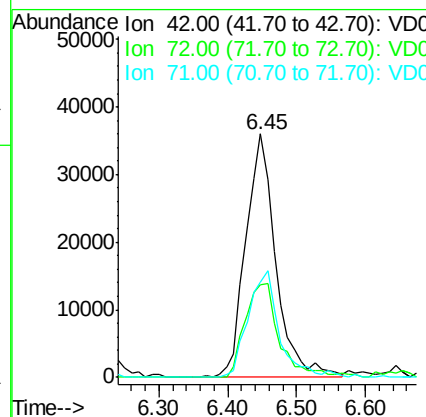
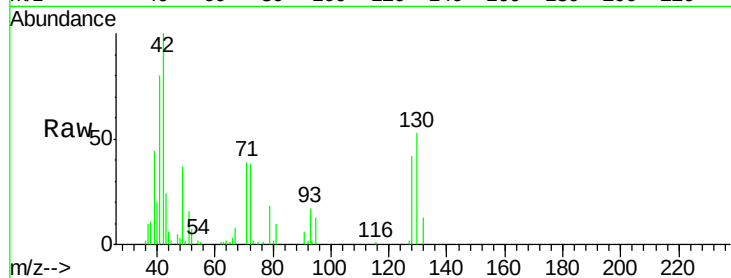




#29
Tetrahydrofuran
Concen: 95.411 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD063310.D
Acq: 2 Aug 2019 12:17

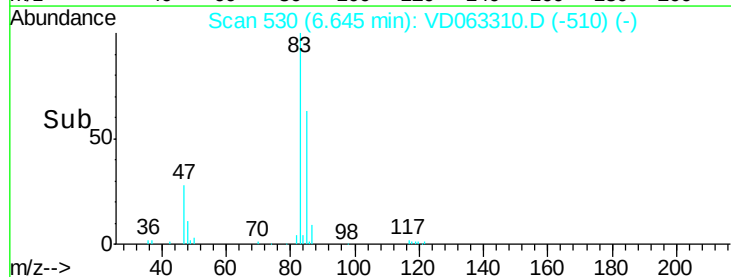
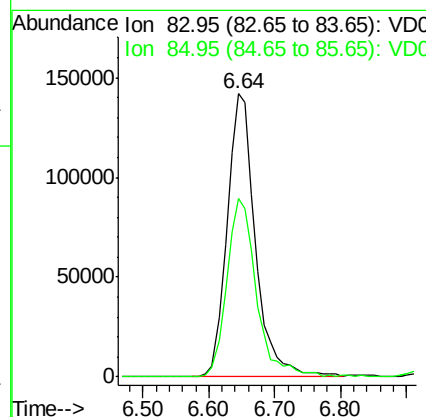
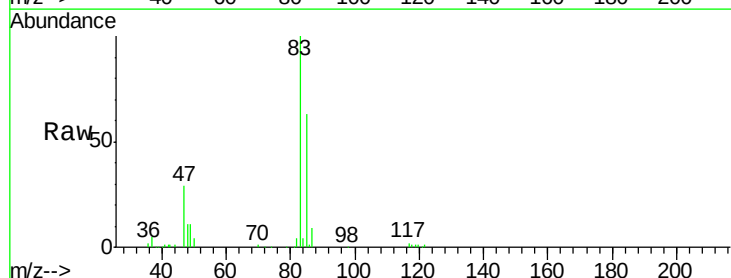
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBSD01

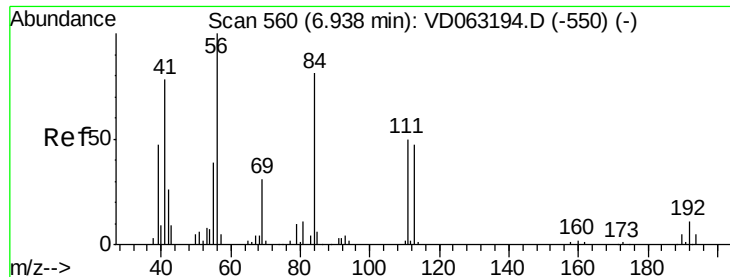
Tot Ion: 42 Resp: 109108
Ion Ratio Lower Upper
42 100
72 43.5 33.4 50.2
71 44.4 35.7 53.5



#30
Chloroform
Concen: 19.566 ug/l
RT: 6.64 min Scan# 530
Delta R.T. -0.01 min
Lab File: VD063310.D
Acq: 2 Aug 2019 12:17

Tgt Ion: 83 Resp: 426242
Ion Ratio Lower Upper
83 100
85 62.9 54.2 81.4

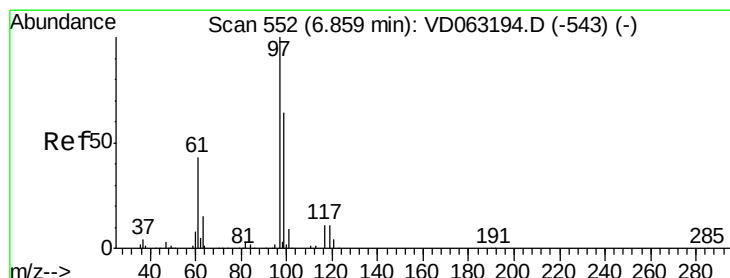
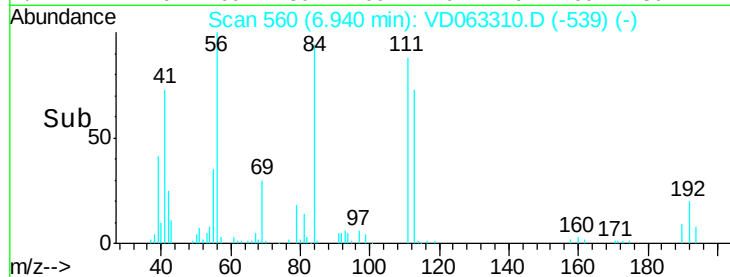
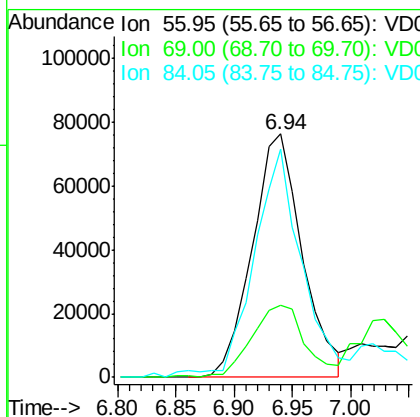
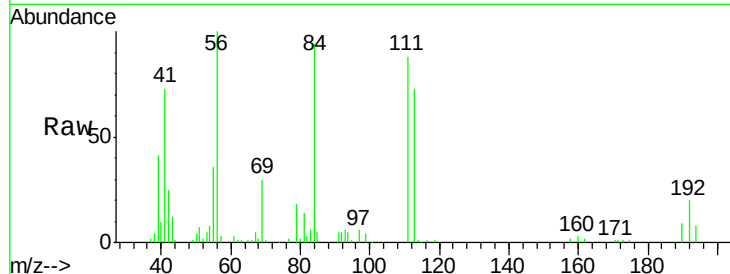




#31
Cyclohexane
Concen: 20.568 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD063310.D
Acq: 2 Aug 2019 12:17

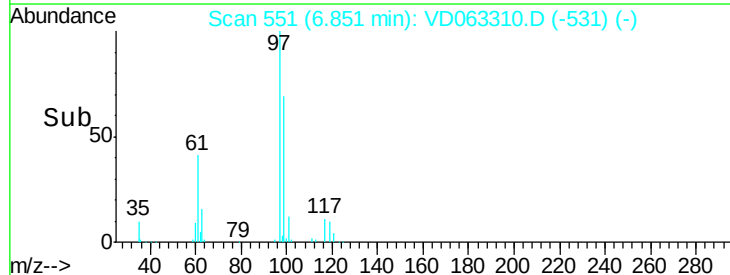
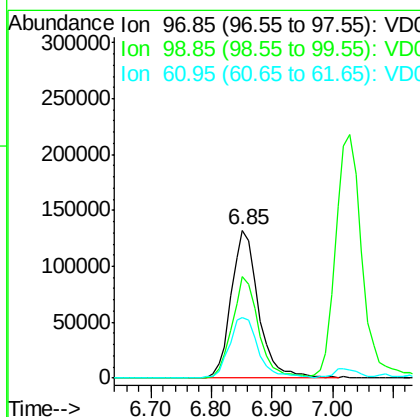
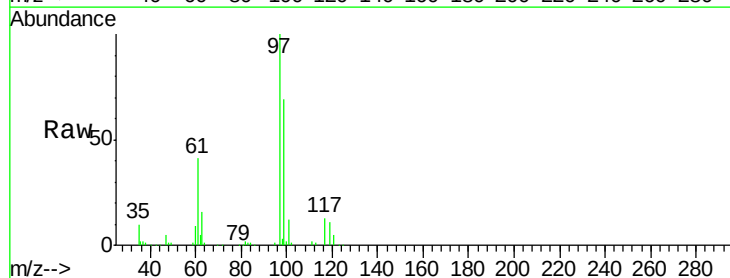
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBSD01

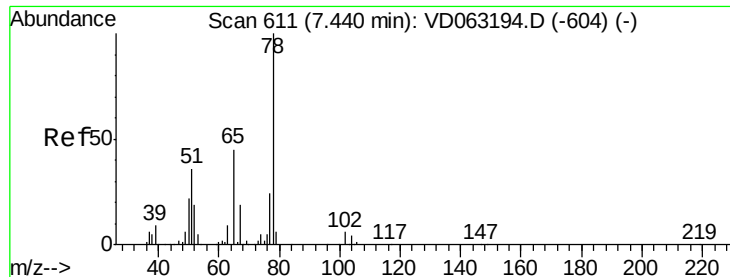
Tot Ion	56	Resp	226311
Ion Ratio	Lower	Upper	
56	100		
69	29.9	24.5	36.7
84	93.8	64.9	97.3



#32
1,1,1-Trichloroethane
Concen: 19.670 ug/l
RT: 6.85 min Scan# 551
Delta R.T. -0.01 min
Lab File: VD063310.D
Acq: 2 Aug 2019 12:17

Tgt Ion	97	Resp	414484
Ion Ratio	Lower	Upper	
97	100		
99	69.0	51.2	76.8
61	41.3	34.2	51.2

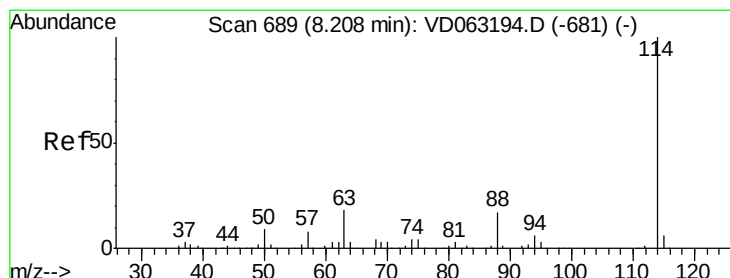
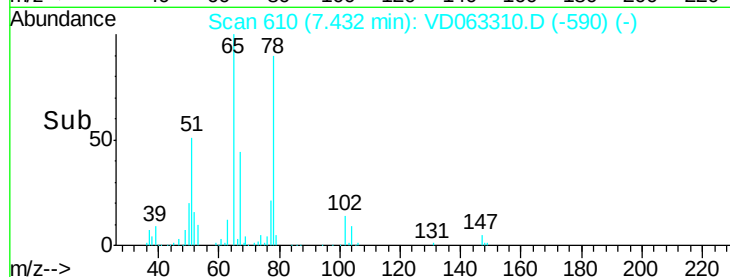
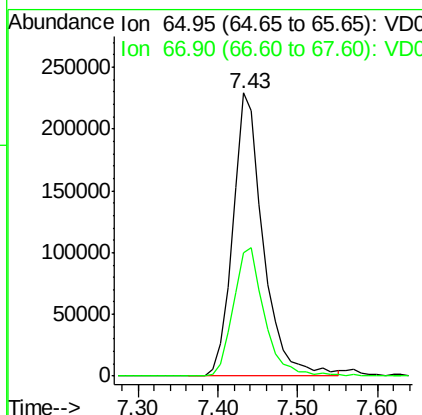
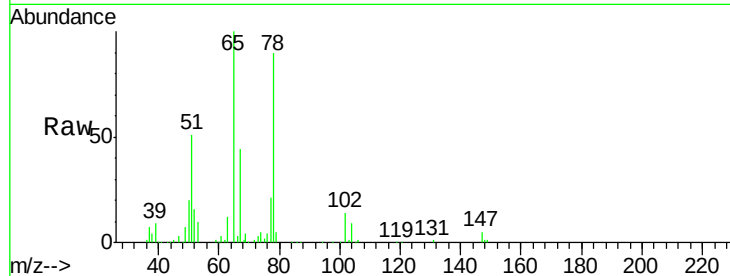




#33
 1,2-Dichloroethane-d4
 Concen: 49.227 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: VD063310.D
 Acq: 2 Aug 2019 12:17

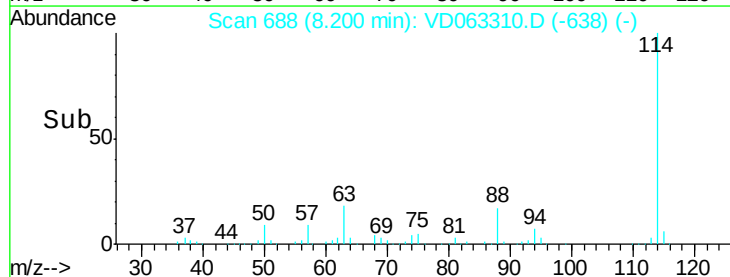
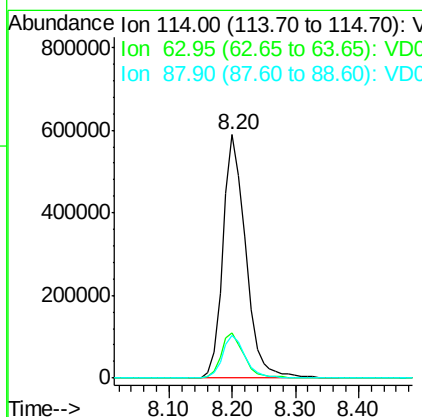
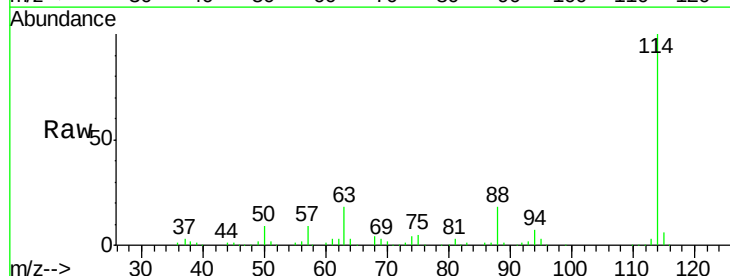
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBSD01

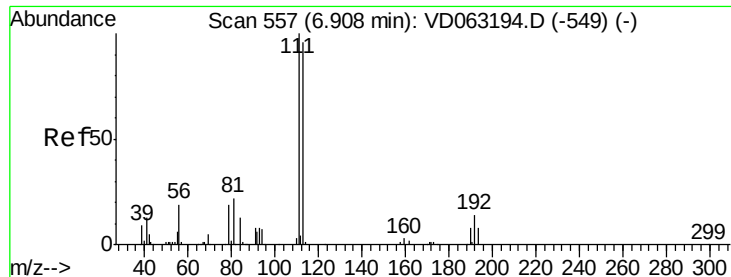
Tot Ion: 65 Resp: 608078
 Ion Ratio Lower Upper
 65 100
 67 43.7 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: VD063310.D
 Acq: 2 Aug 2019 12:17

Tgt Ion: 114 Resp: 1481681
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 35.2
 88 17.5 0.0 34.6





#35

Dibromofluoromethane

Concen: 56.104 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBSD01

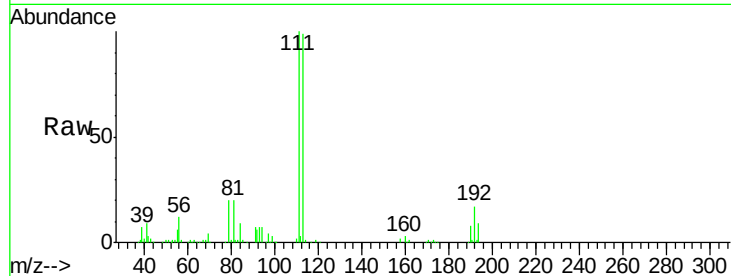
Tot Ion:113 Resp: 709743

Ion Ratio Lower Upper

113 100

111 101.1 83.2 124.8

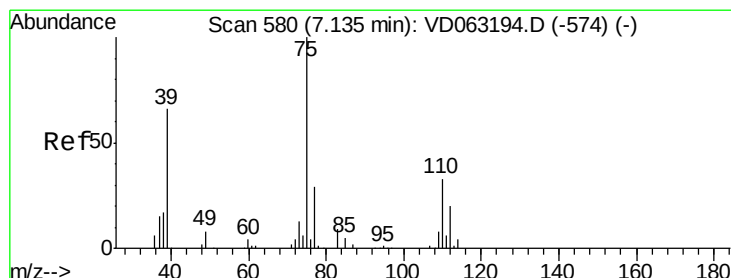
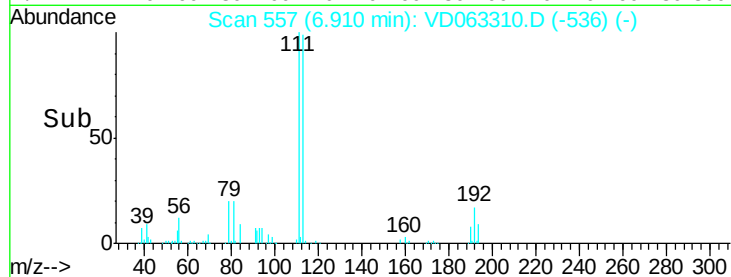
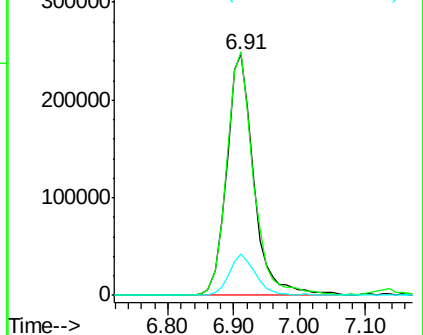
192 17.4 11.8 17.8



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 20.437 ug/l

RT: 7.13 min Scan# 579

Delta R.T. -0.01 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

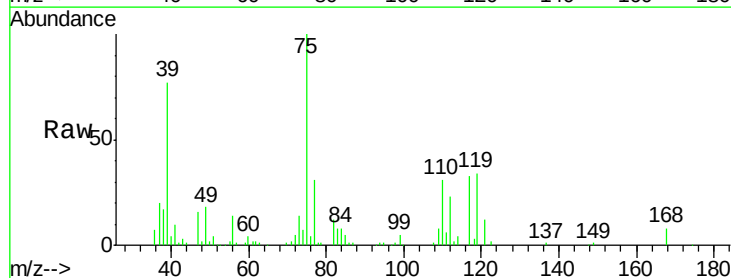
Tgt Ion: 75 Resp: 276347

Ion Ratio Lower Upper

75 100

110 30.9 16.1 48.2

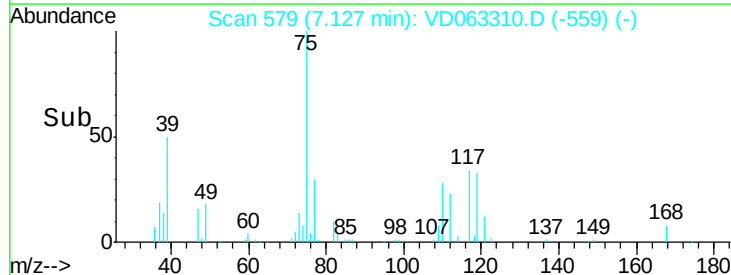
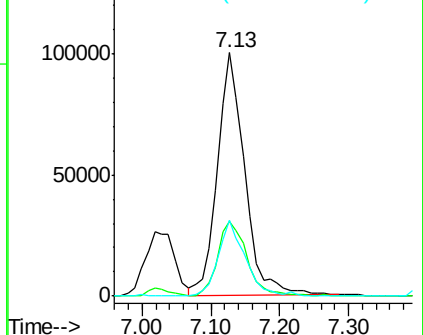
77 31.0 22.7 34.1

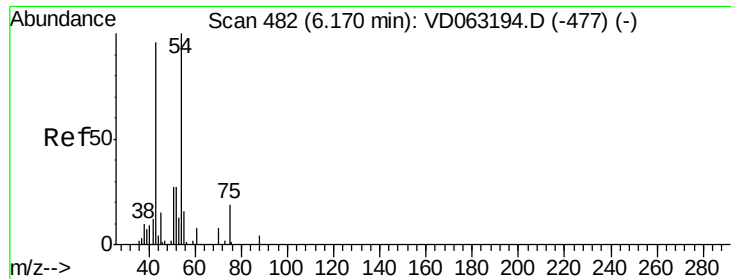


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

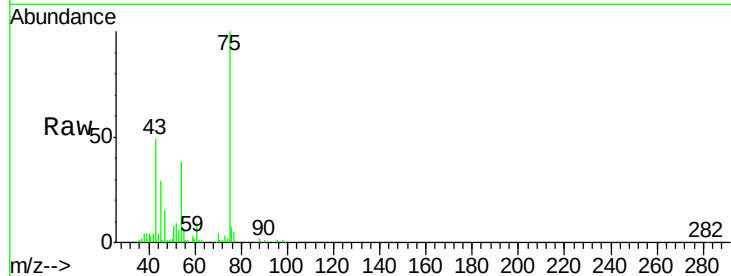




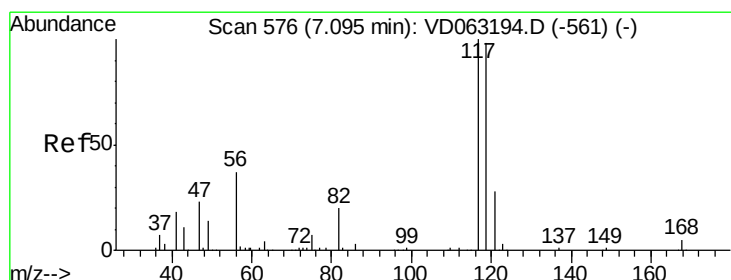
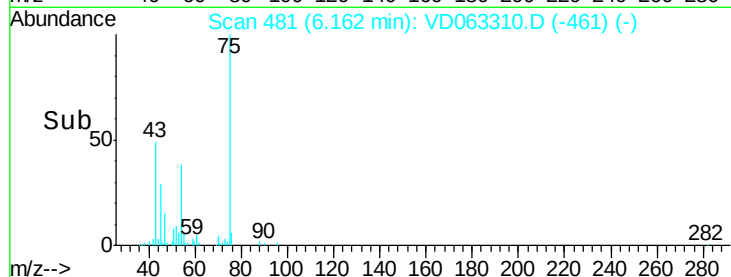
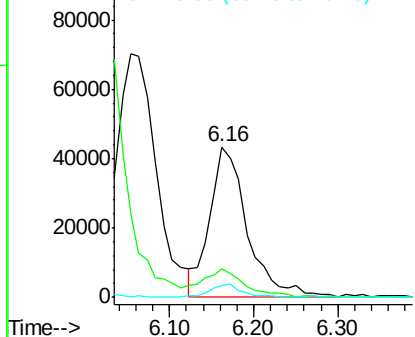
#37
Ethyl Acetate
Concen: 22.262 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.01 min
Lab File: VD063310.D
Acq: 2 Aug 2019 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0802SBSD01

Tot Ion: 43 Resp: 135239
Ion Ratio Lower Upper
43 100
61 18.6 11.3 16.9#
70 8.0 5.1 7.7#

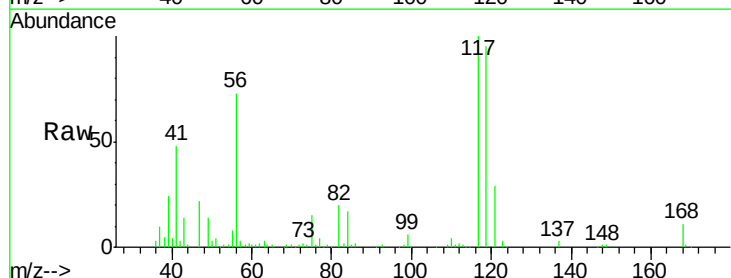


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

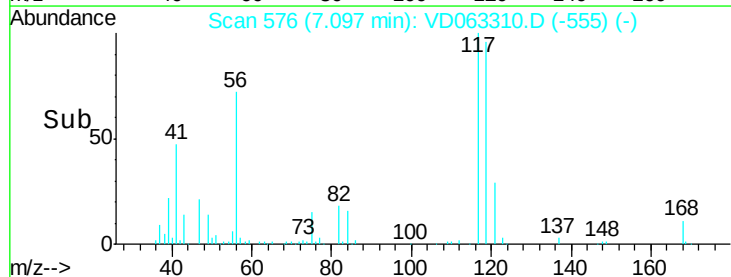
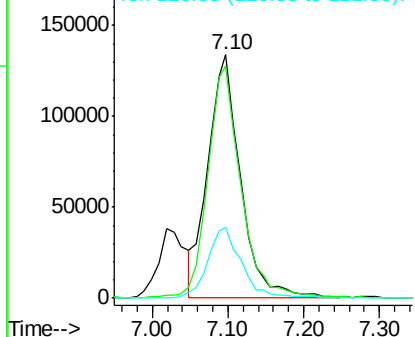


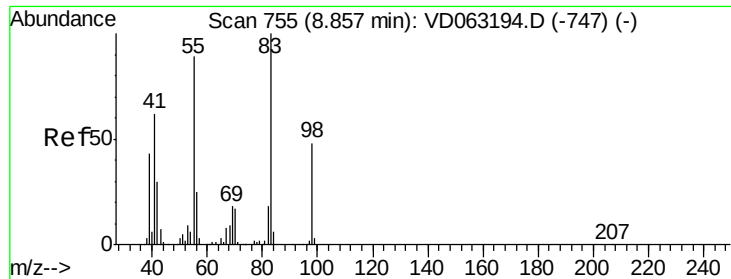
#38
Carbon Tetrachloride
Concen: 19.770 ug/l
RT: 7.10 min Scan# 576
Delta R.T. 0.00 min
Lab File: VD063310.D
Acq: 2 Aug 2019 12:17

Tgt Ion: 117 Resp: 402460
Ion Ratio Lower Upper
117 100
119 95.4 78.2 117.2
121 29.1 22.1 33.1



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

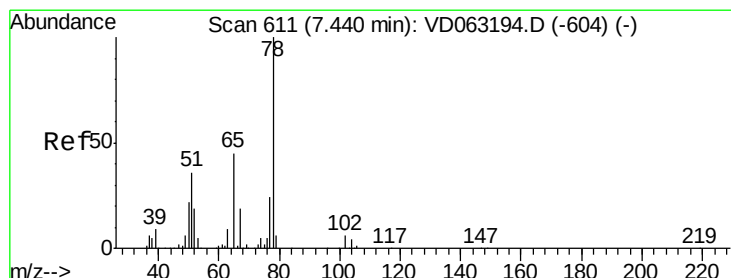
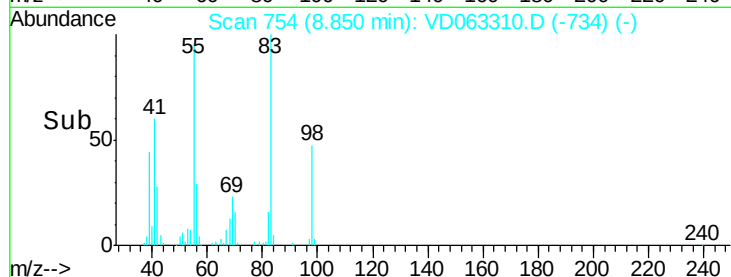
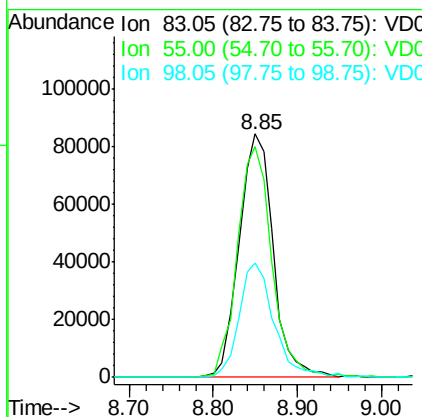
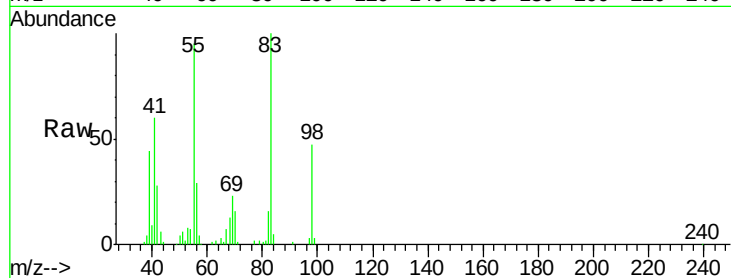




#39
Methylvlcyclohexane
Concen: 21.181 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD063310.D
Acq: 2 Aug 2019 12:17

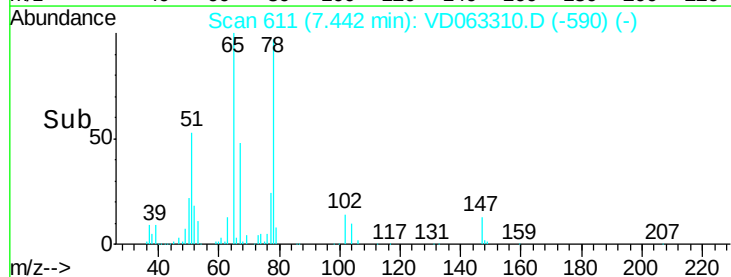
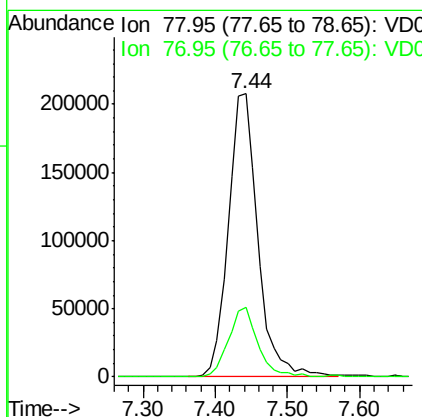
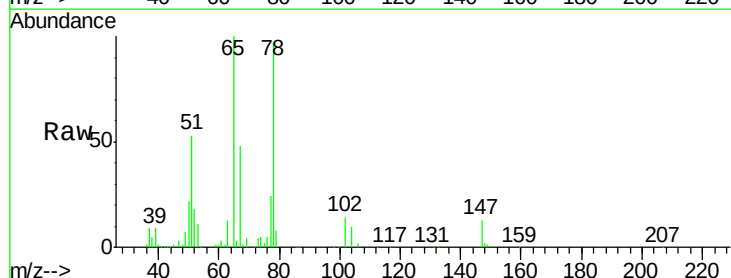
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBSD01

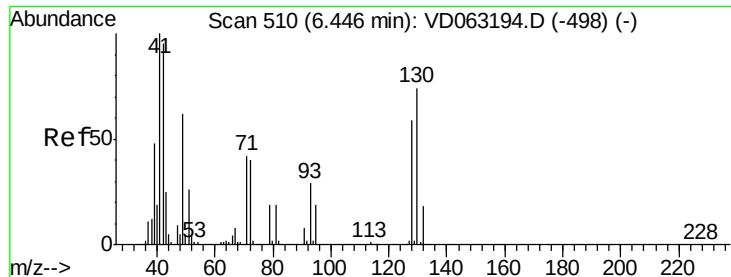
Tot Ion: 83 Resp: 238630
Ion Ratio Lower Upper
83 100
55 94.8 71.1 106.7
98 47.0 38.5 57.7



#40
Benzene
Concen: 20.862 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD063310.D
Acq: 2 Aug 2019 12:17

Tgt Ion: 78 Resp: 591237
Ion Ratio Lower Upper
78 100
77 24.7 19.4 29.2





#41

Methacrylonitrile

Concen: 19.350 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBSD01

Tot Ion: 41 Resp: 140615

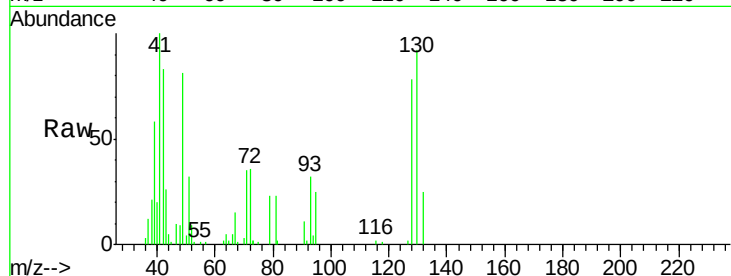
Ion Ratio Lower Upper

41 100

39 57.7 38.4 57.6#

67 14.5 6.7 10.1#

52 8.6 4.3 6.5#

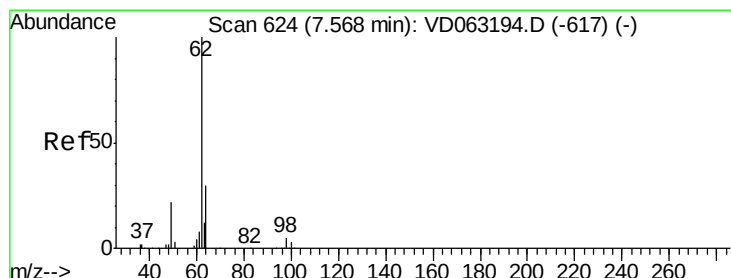
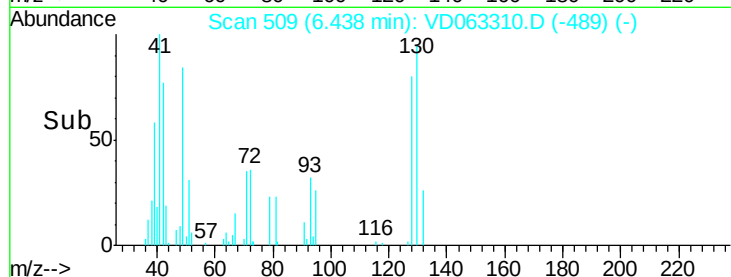
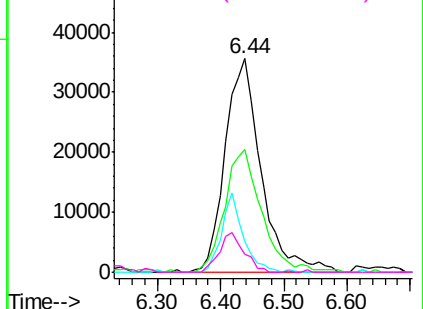


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 20.758 ug/l

RT: 7.56 min Scan# 623

Delta R.T. -0.01 min

Lab File: VD063310.D

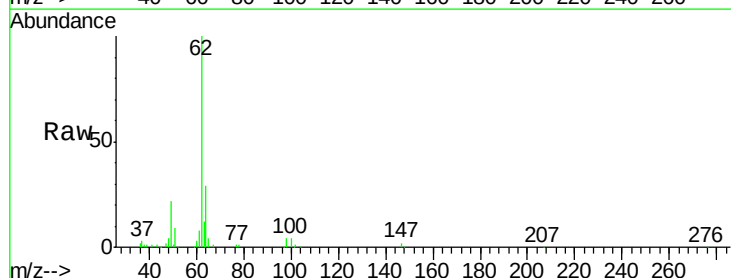
Acq: 2 Aug 2019 12:17

Tgt Ion: 62 Resp: 311779

Ion Ratio Lower Upper

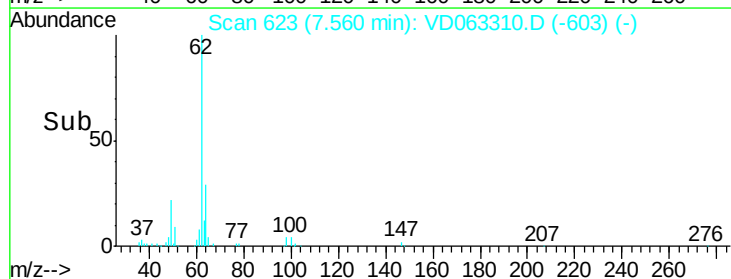
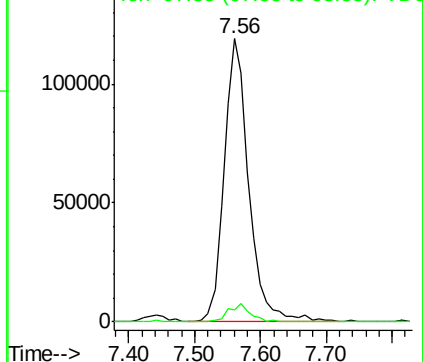
62 100

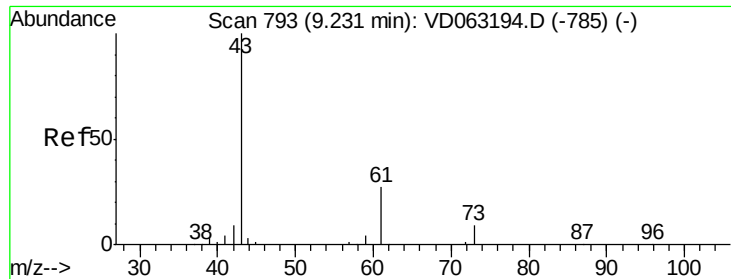
98 4.4 0.0 9.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



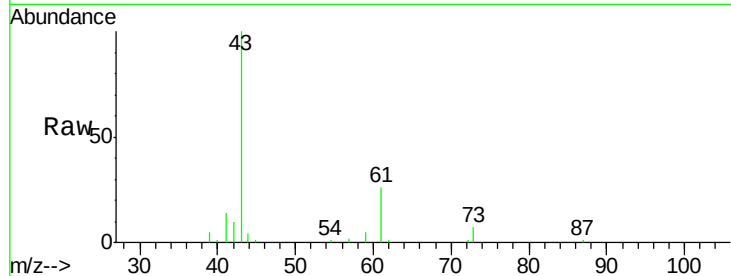


#43

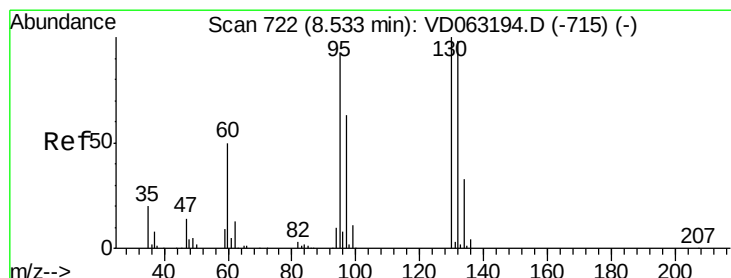
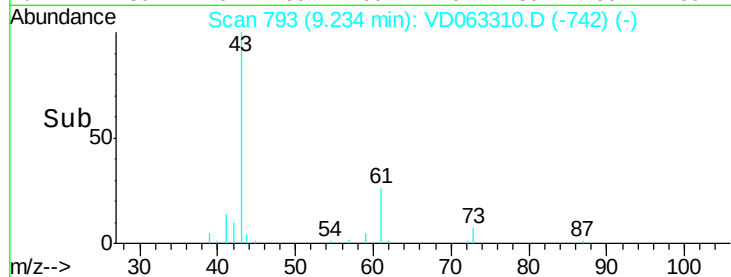
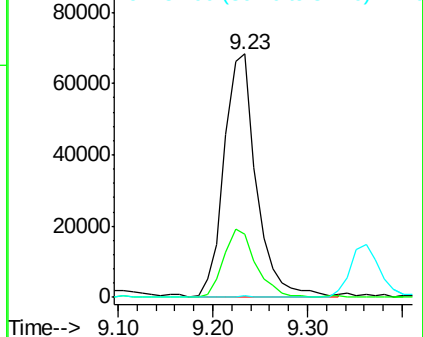
Isopropyl Acetate
 Concen: 20.973 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VD063310.D
 Acq: 2 Aug 2019 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBSD01

Tot Ion: 43 Resp: 162756
 Ion Ratio Lower Upper
 43 100
 61 26.0 21.4 32.0
 87 0.6 0.2 0.4#



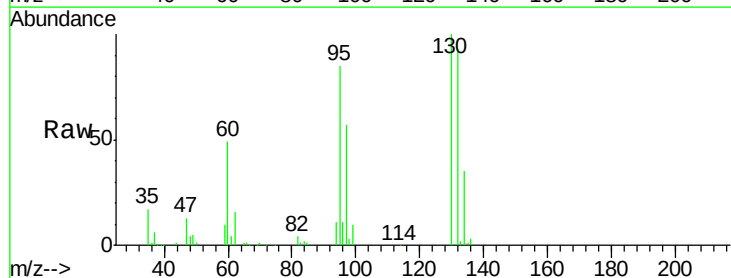
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



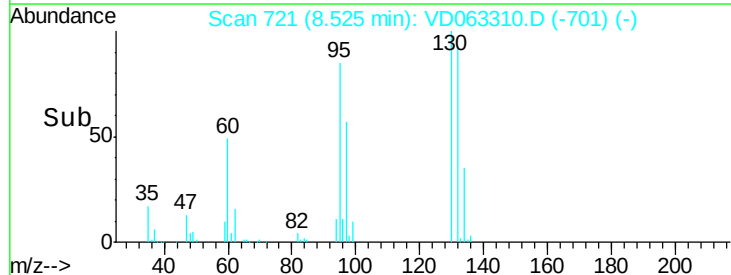
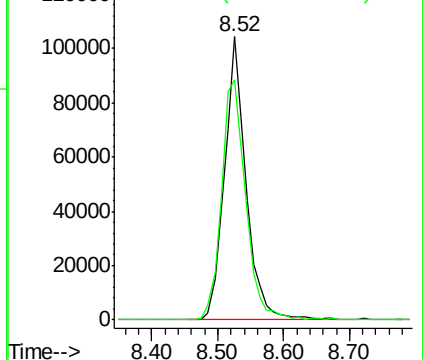
#44

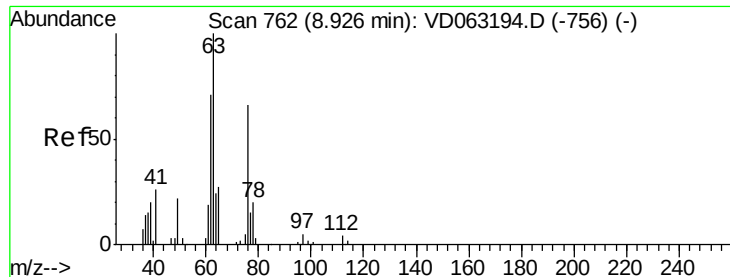
Trichloroethene
 Concen: 20.809 ug/l
 RT: 8.52 min Scan# 721
 Delta R.T. -0.01 min
 Lab File: VD063310.D
 Acq: 2 Aug 2019 12:17

Tgt Ion: 130 Resp: 238963
 Ion Ratio Lower Upper
 130 100
 95 84.6 0.0 185.4



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





#45

1,2-Dichloropropane

Concen: 20.491 ug/l

RT: 8.92 min Scan# 761

Delta R.T. -0.01 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

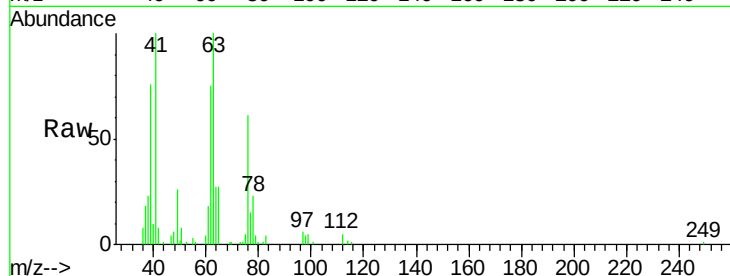
VD0802SBSD01

Tot Ion: 63 Resp: 147601

Ion Ratio Lower Upper

63 100

65 27.5 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.92

60000

50000

40000

30000

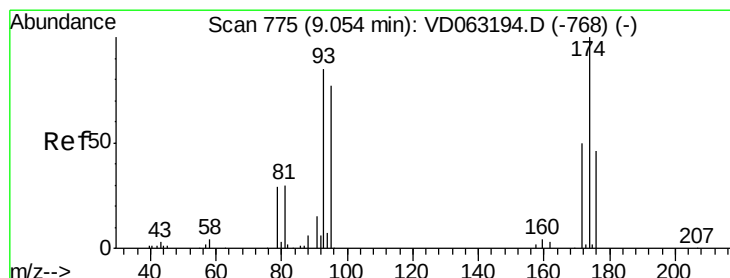
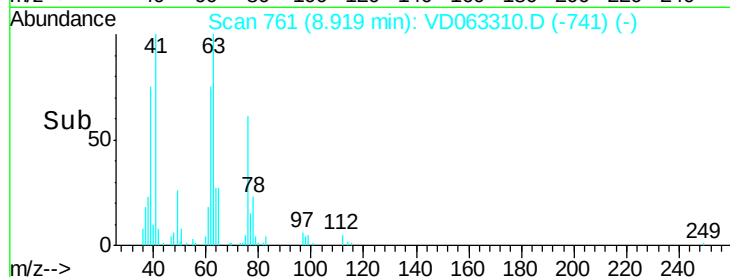
20000

10000

0

Time-->

8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 20.314 ug/l

RT: 9.05 min Scan# 774

Delta R.T. -0.01 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

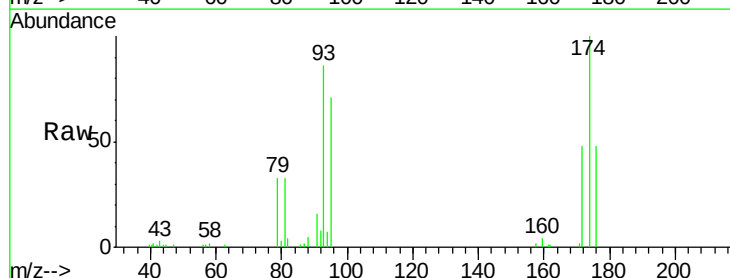
Tgt Ion: 93 Resp: 121671

Ion Ratio Lower Upper

93 100

95 82.9 72.8 109.2

174 116.8 94.4 141.6



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): V

80000

60000

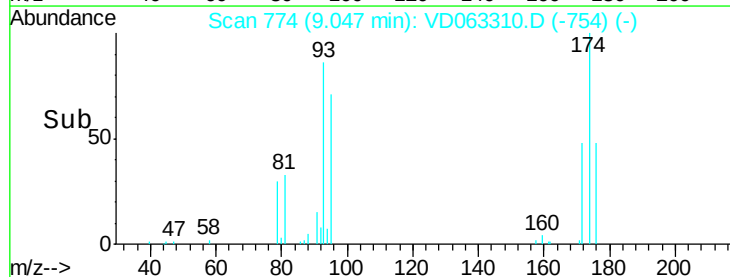
40000

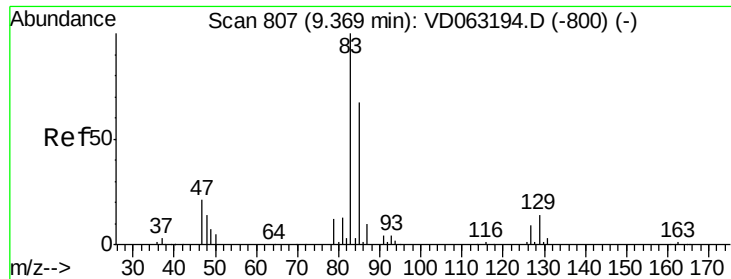
20000

0

Time-->

9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 21.009 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBSD01

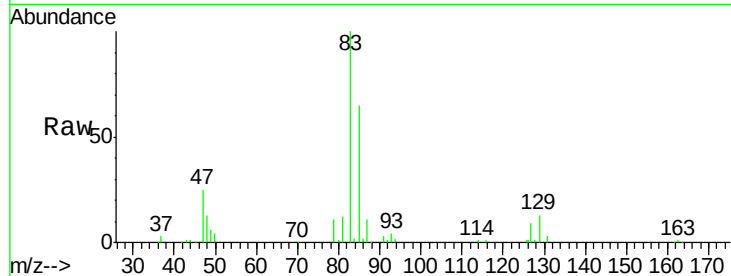
Tot Ion: 83 Resp: 320756

Ion Ratio Lower Upper

83 100

85 65.0 53.6 80.4

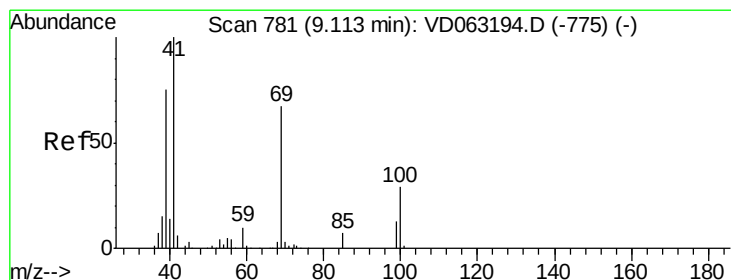
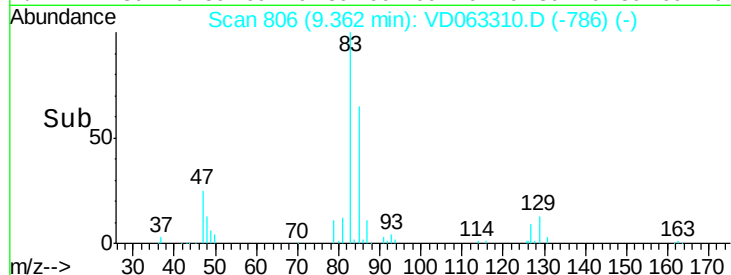
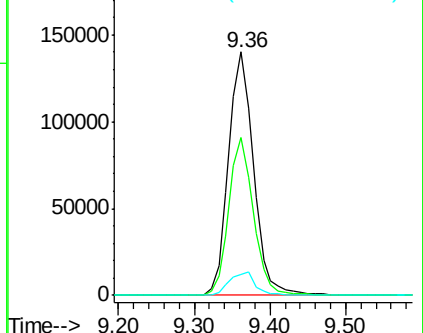
127 8.8 7.2 10.8



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: 22.542 ug/l

RT: 9.11 min Scan# 780

Delta R.T. -0.01 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

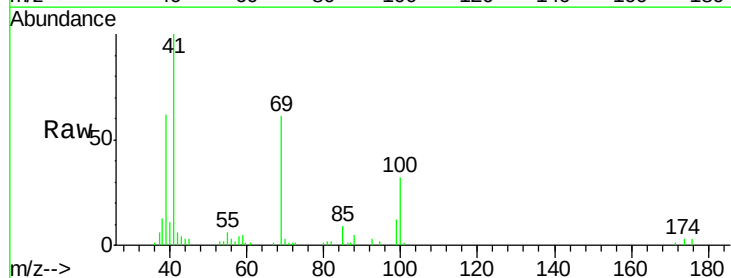
Tgt Ion: 41 Resp: 113450

Ion Ratio Lower Upper

41 100

69 60.9 53.4 80.0

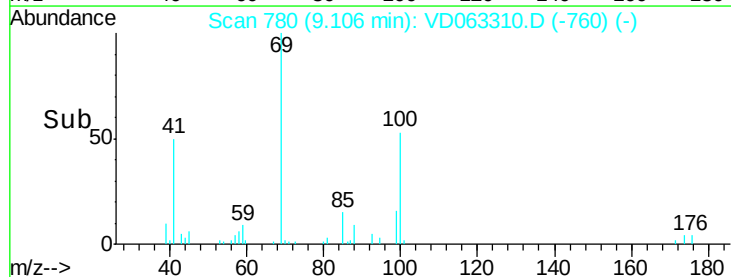
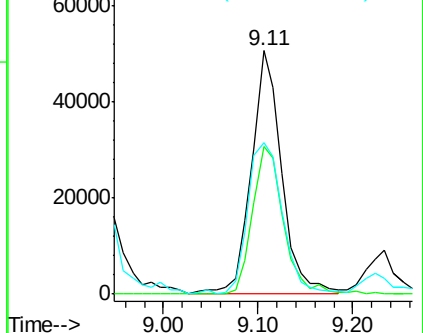
39 62.4 60.3 90.5

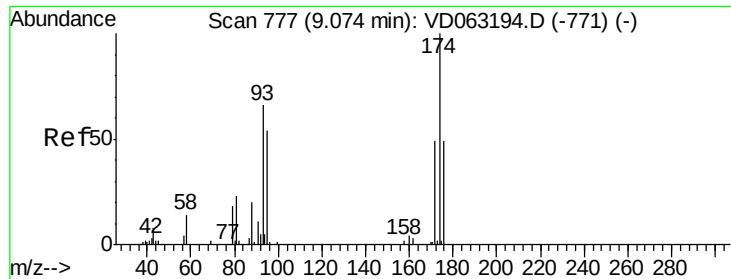


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

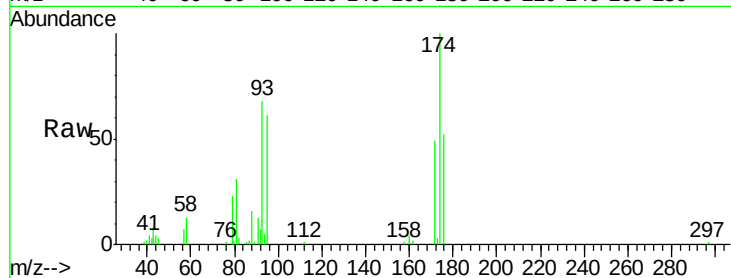




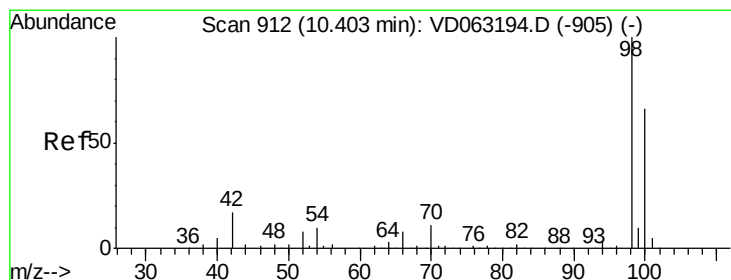
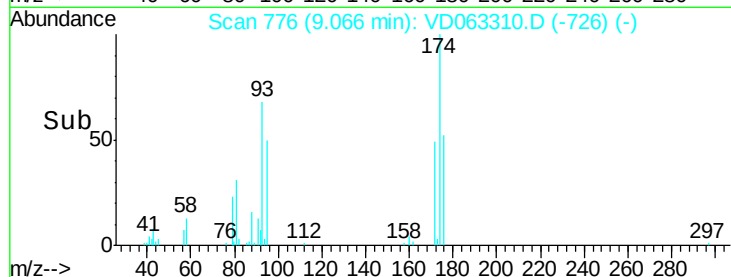
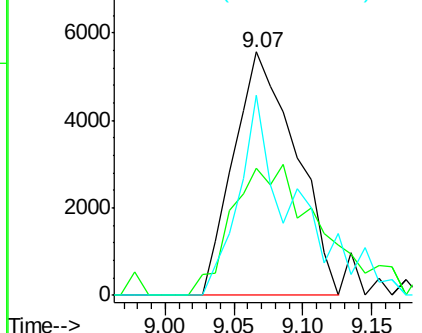
#49
1,4-Dioxane
Concen: 407.862 ug/l
RT: 9.07 min Scan# 776
Delta R.T. -0.01 min
Lab File: VD063310.D
Acq: 2 Aug 2019 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0802SBSD01

Tot Ion: 88 Resp: 17493
Ion Ratio Lower Upper
88 100
43 52.0 30.7 46.1#
58 82.0 56.5 84.7

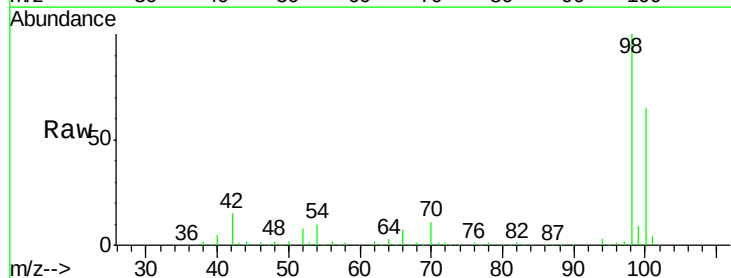


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

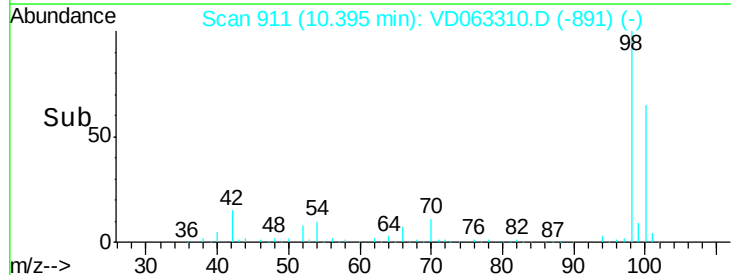
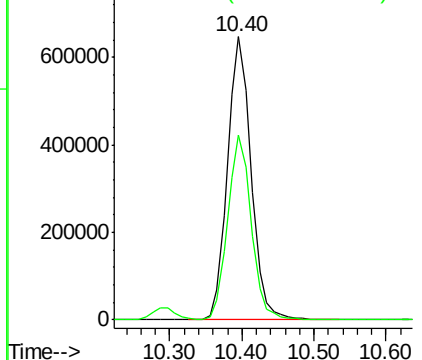


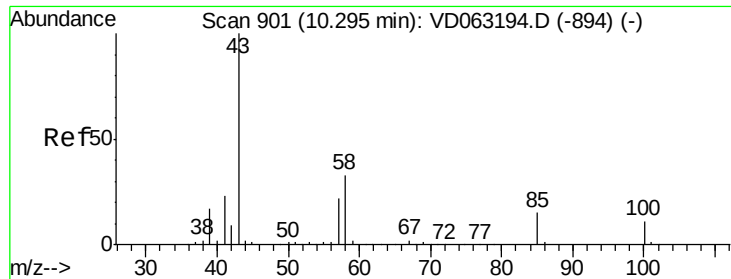
#50
Toluene-d8
Concen: 52.153 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD063310.D
Acq: 2 Aug 2019 12:17

Tgt Ion: 98 Resp: 1476537
Ion Ratio Lower Upper
98 100
100 65.5 53.2 79.8



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: 105.284 ug/l

RT: 10.29 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

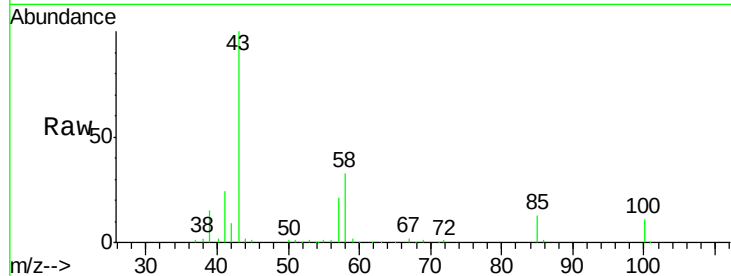
VD0802SBSD01

Tot Ion: 43 Resp: 555640

Ion Ratio Lower Upper

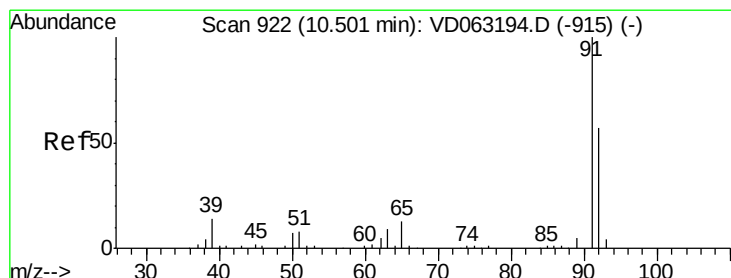
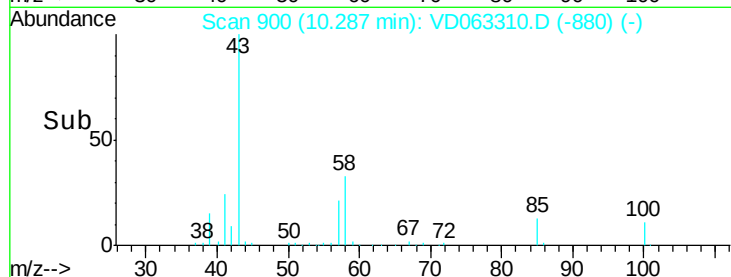
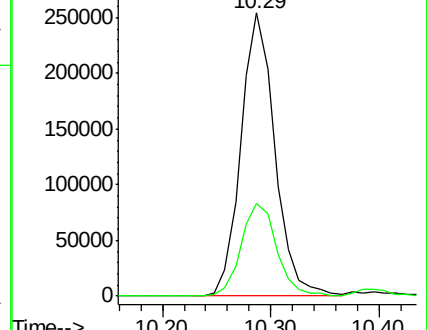
43 100

58 32.8 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.879 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.01 min

Lab File: VD063310.D

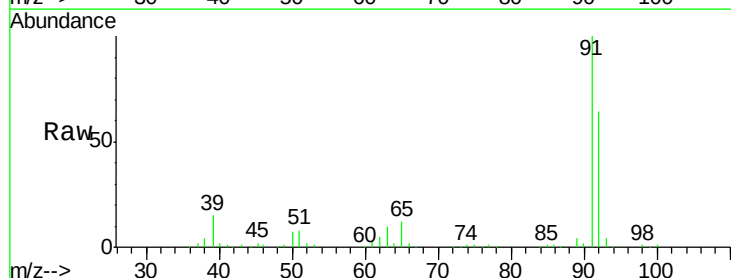
Acq: 2 Aug 2019 12:17

Tgt Ion: 92 Resp: 412407

Ion Ratio Lower Upper

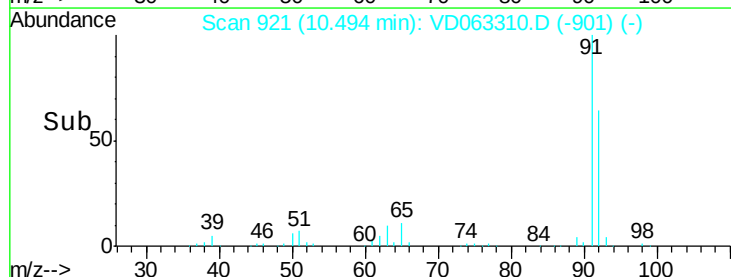
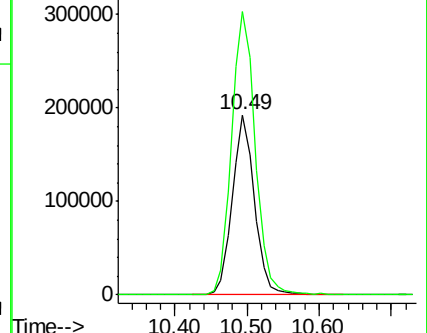
92 100

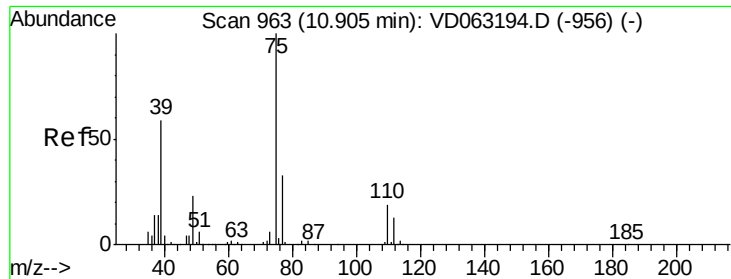
91 157.4 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

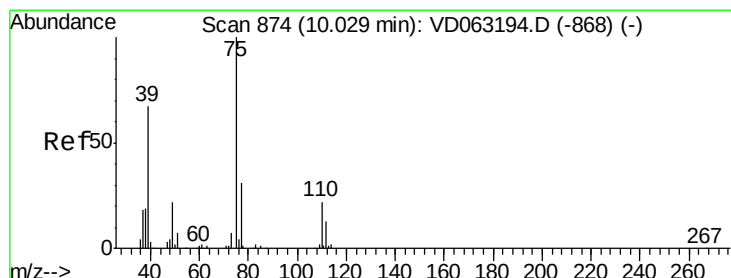
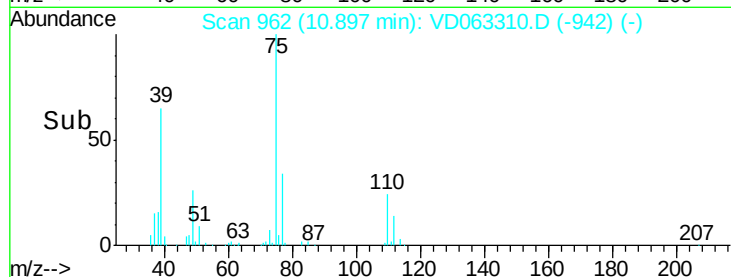
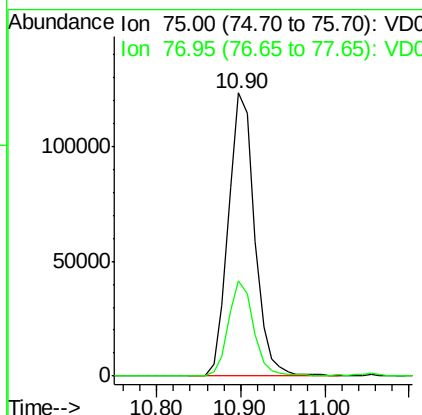
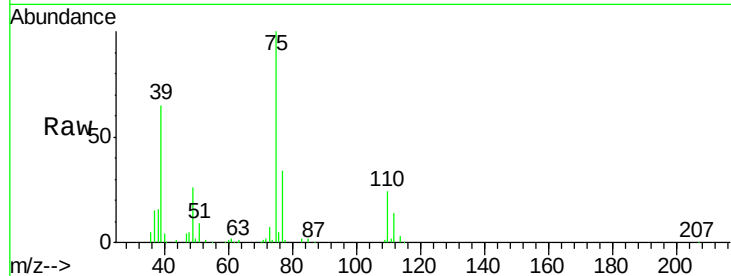




#53
t-1,3-Dichloropropene
Concen: 20.287 ug/l
RT: 10.90 min Scan# 962
Delta R.T. -0.01 min
Lab File: VD063310.D
Acq: 2 Aug 2019 12:17

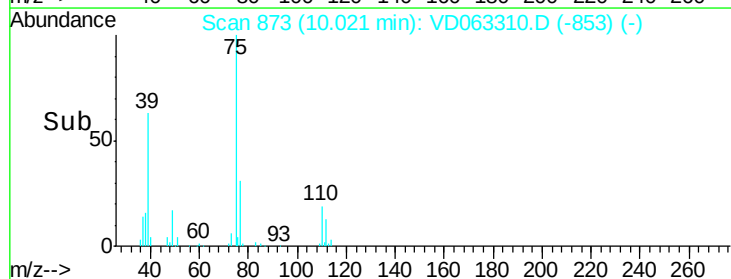
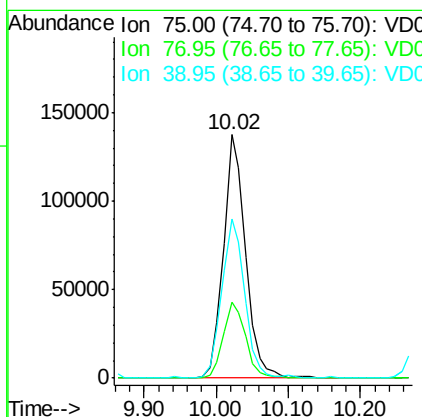
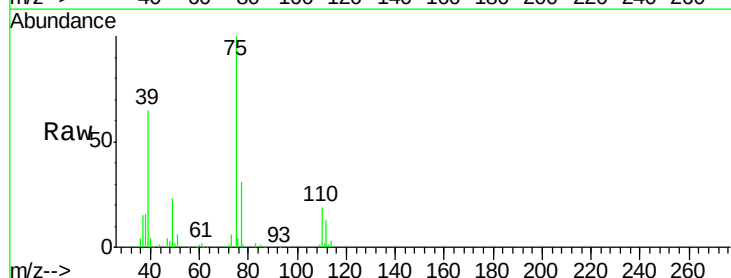
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBSD01

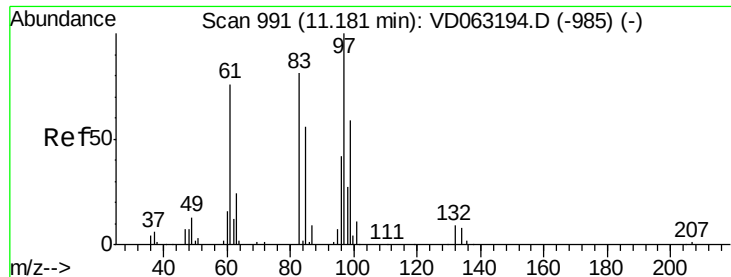
Tot Ion: 75 Resp: 267029
Ion Ratio Lower Upper
75 100
77 33.5 26.6 40.0



#54
cis-1,3-Dichloropropene
Concen: 21.090 ug/l
RT: 10.02 min Scan# 873
Delta R.T. -0.01 min
Lab File: VD063310.D
Acq: 2 Aug 2019 12:17

Tgt Ion: 75 Resp: 291758
Ion Ratio Lower Upper
75 100
77 31.3 24.9 37.3
39 65.2 53.9 80.9





#55

1,1,2-Trichloroethane

Concen: 21.992 ug/l

RT: 11.17 min Scan# 990

Delta R.T. -0.01 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBSD01

Tot Ion: 97 Resp: 140000

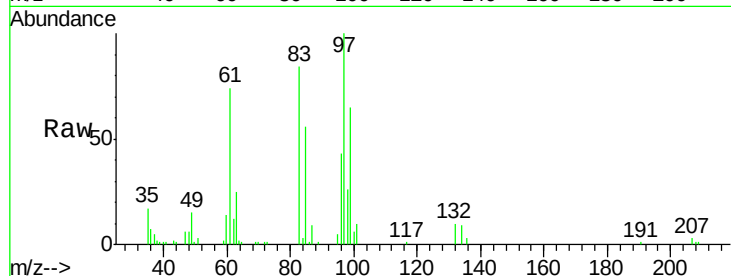
Ion Ratio Lower Upper

97 100

83 84.3 64.8 97.2

85 56.3 44.9 67.3

99 64.8 47.2 70.8

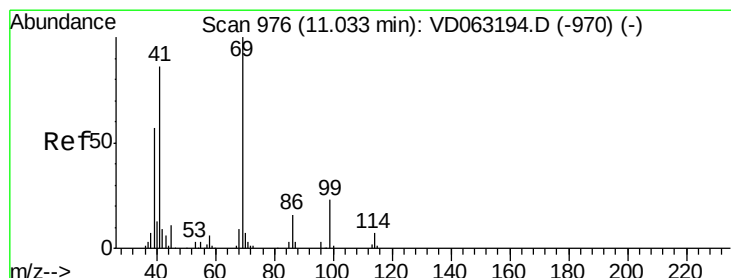
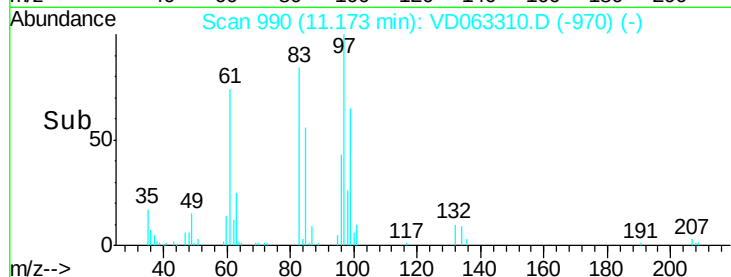
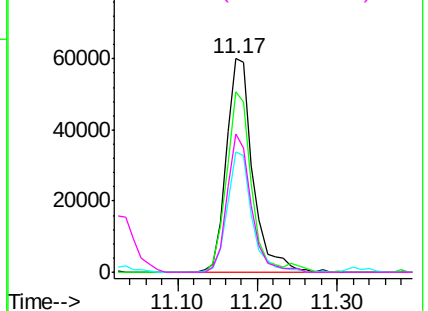


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 19.184 ug/l

RT: 11.04 min Scan# 976

Delta R.T. 0.00 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

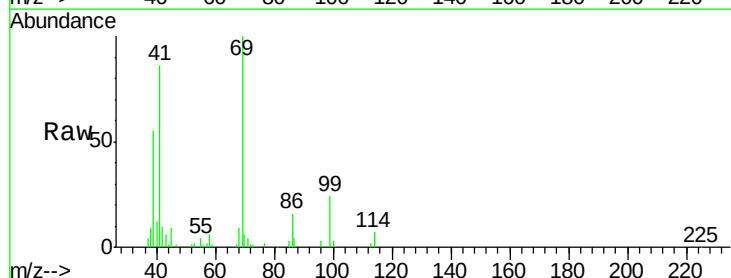
Tgt Ion: 69 Resp: 133730

Ion Ratio Lower Upper

69 100

41 86.4 68.8 103.2

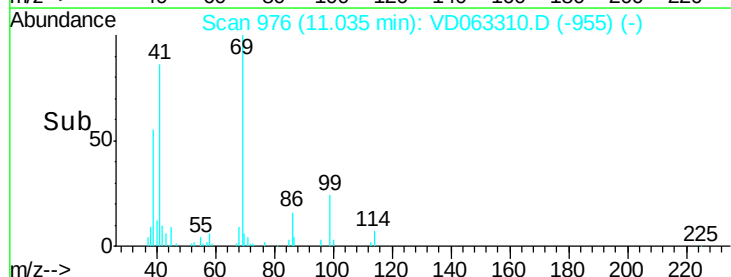
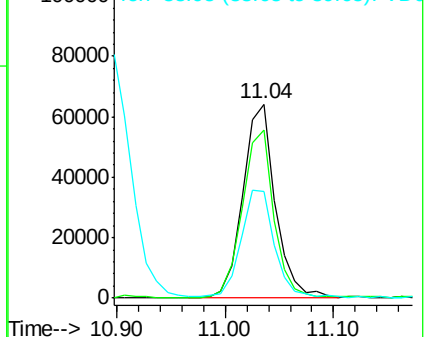
39 54.8 45.8 68.8

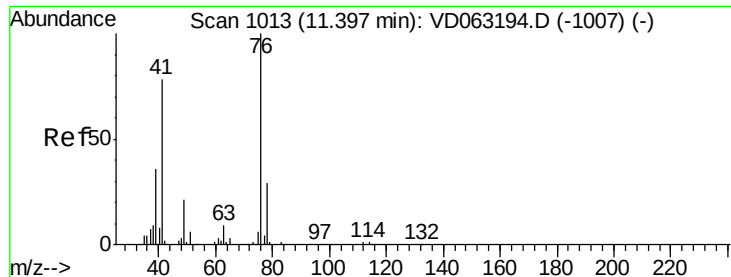


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 19.427 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

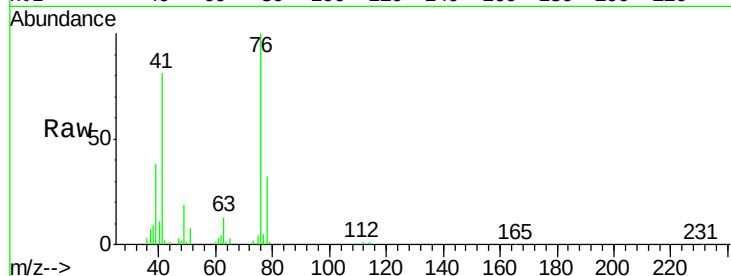
VD0802SBSD01

Tot Ion: 76 Resp: 194851

Ion Ratio Lower Upper

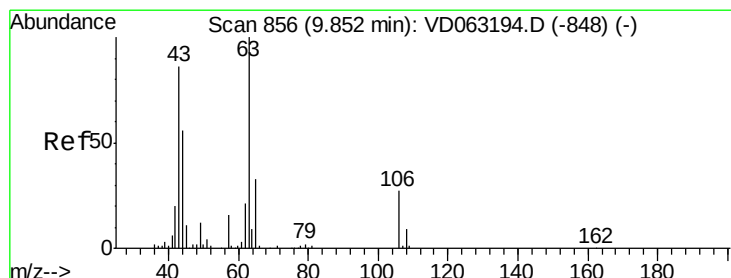
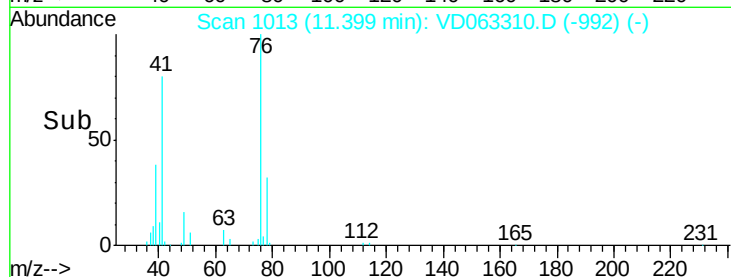
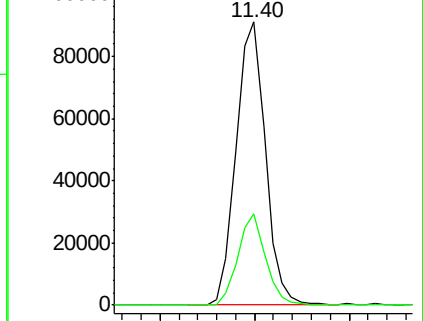
76 100

78 32.5 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 108.739 ug/l

RT: 9.84 min Scan# 855

Delta R.T. -0.01 min

Lab File: VD063310.D

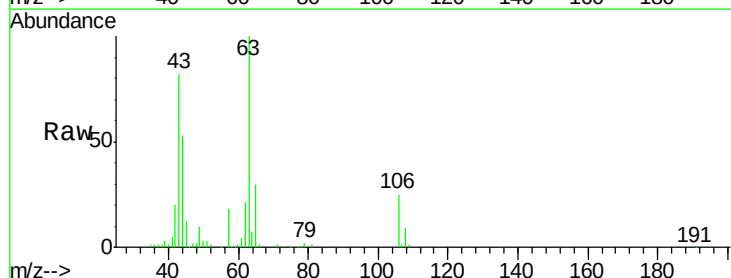
Acq: 2 Aug 2019 12:17

Tgt Ion: 63 Resp: 394422

Ion Ratio Lower Upper

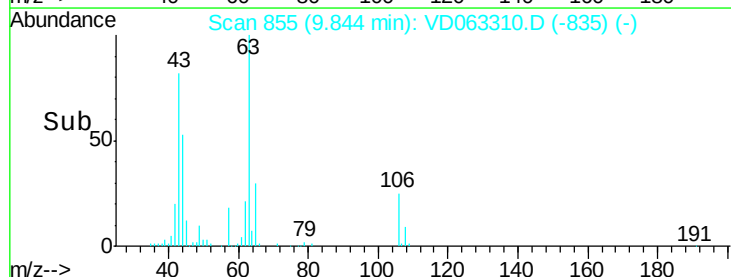
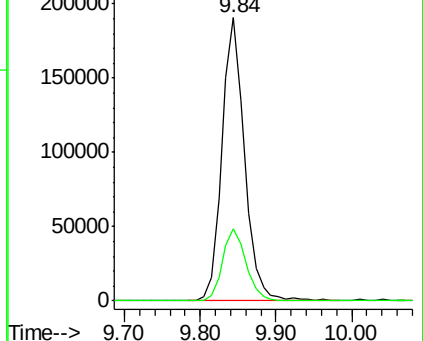
63 100

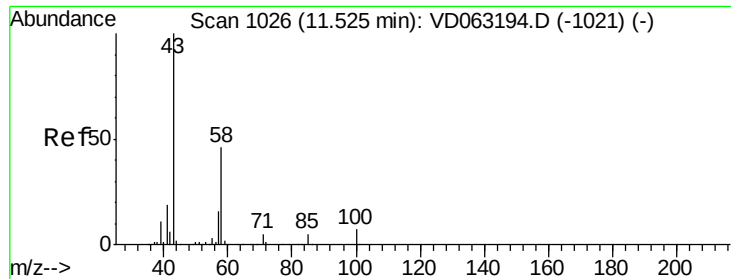
106 25.4 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

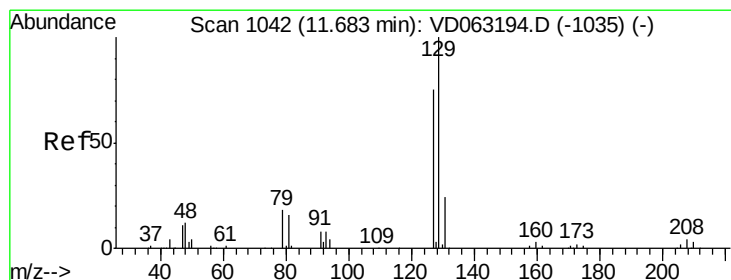
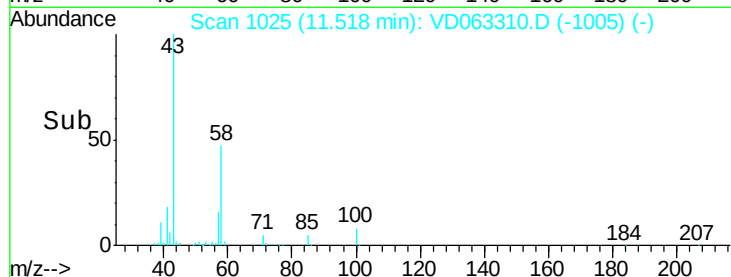
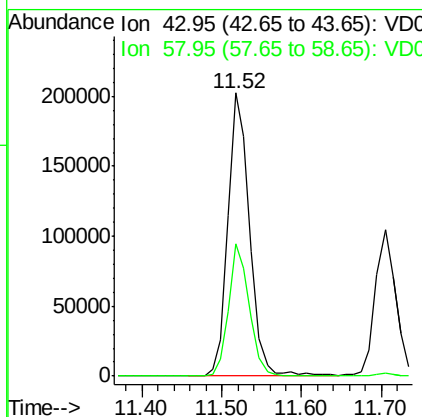
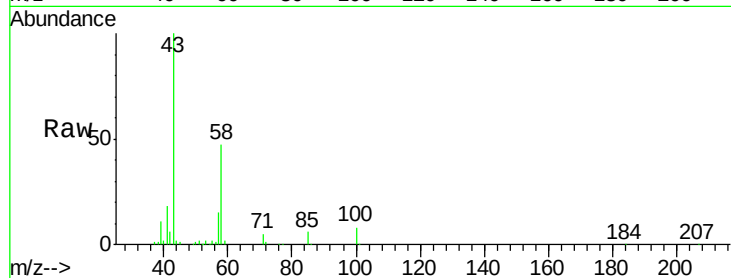




#59
2-Hexanone
Concen: 102.212 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.01 min
Lab File: VD063310.D
Acq: 2 Aug 2019 12:17

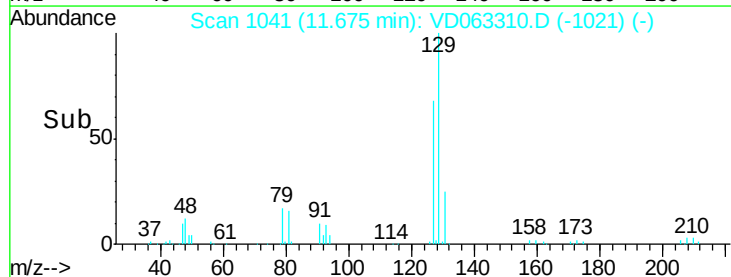
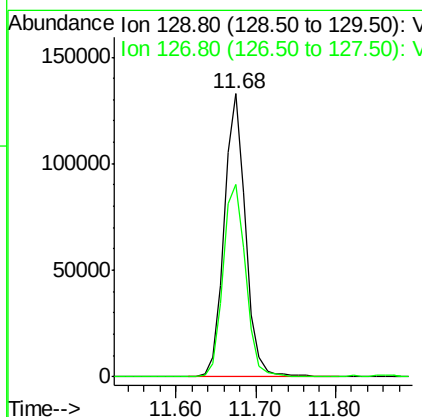
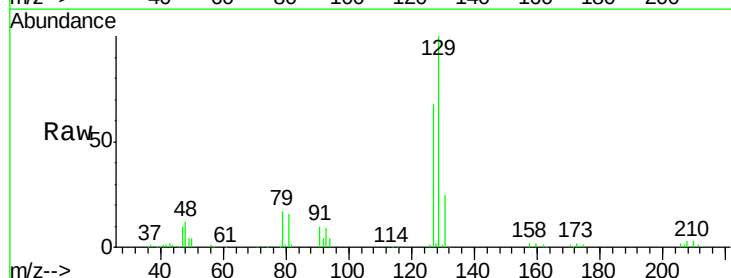
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBSD01

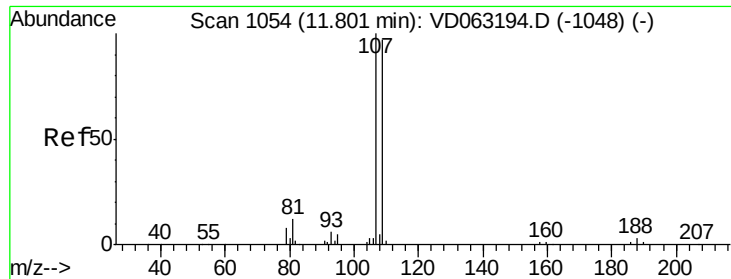
Tot Ion: 43 Resp: 388735
Ion Ratio Lower Upper
43 100
58 46.8 22.9 68.5



#60
Dibromochloromethane
Concen: 20.839 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD063310.D
Acq: 2 Aug 2019 12:17

Tgt Ion: 129 Resp: 250442
Ion Ratio Lower Upper
129 100
127 68.1 37.6 112.8

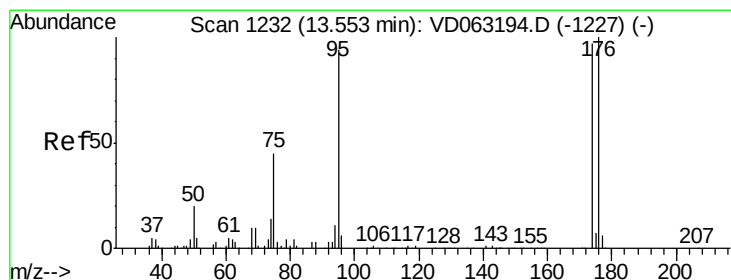
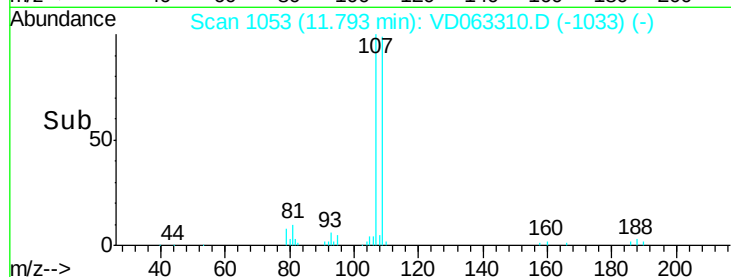
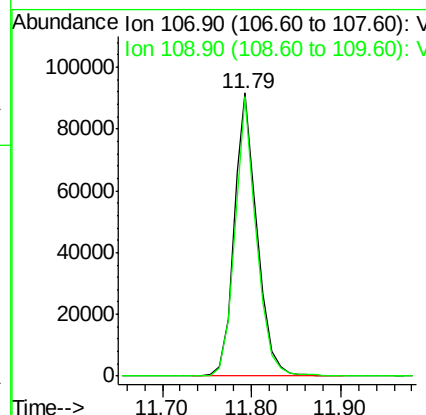
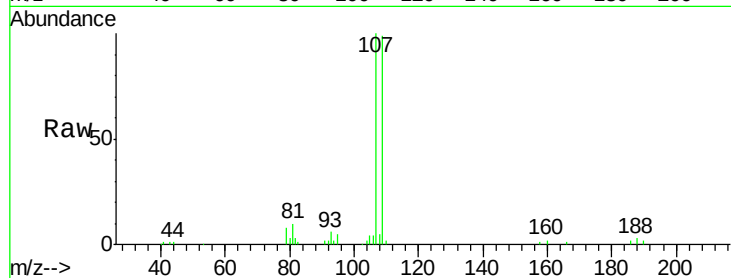




#61
 1,2-Dibromoethane
 Concen: 20.896 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD063310.D
 Acq: 2 Aug 2019 12:17

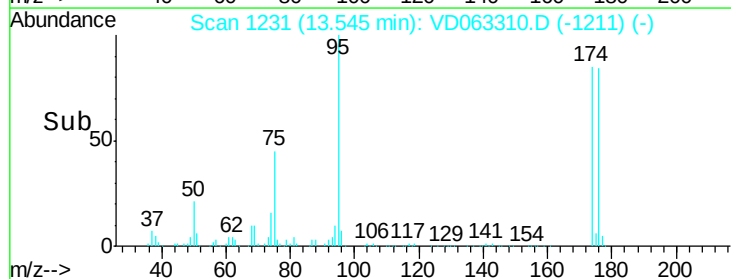
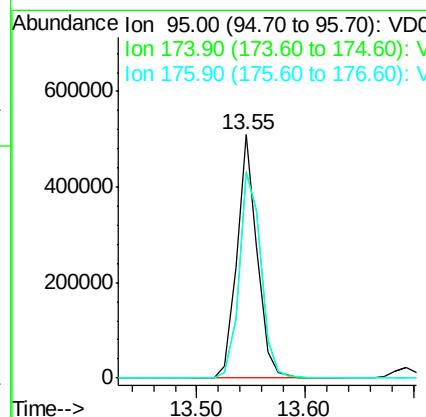
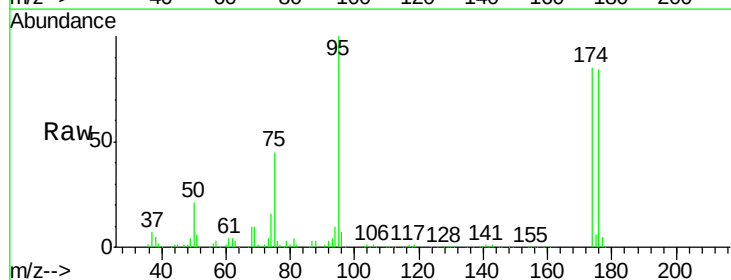
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBSD01

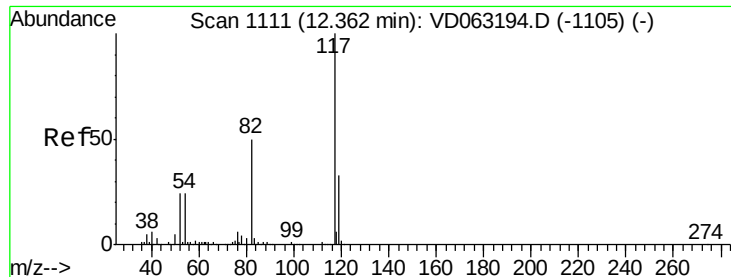
Tot Ion:107 Resp: 164140
 Ion Ratio Lower Upper
 107 100
 109 98.9 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 51.193 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD063310.D
 Acq: 2 Aug 2019 12:17

Tgt Ion: 95 Resp: 660459
 Ion Ratio Lower Upper
 95 100
 174 84.9 0.0 205.4
 176 84.3 0.0 211.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.35 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBSD01

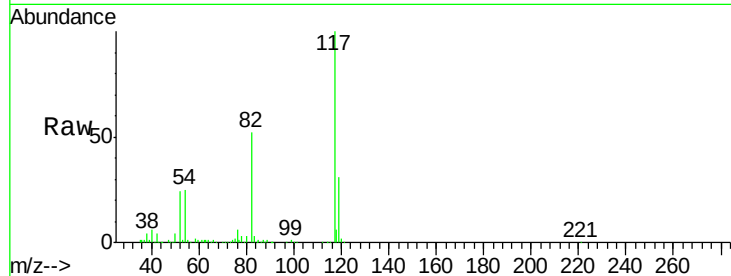
Tot Ion:117 Resp: 1236394

Ion Ratio Lower Upper

117 100

82 52.0 40.1 60.1

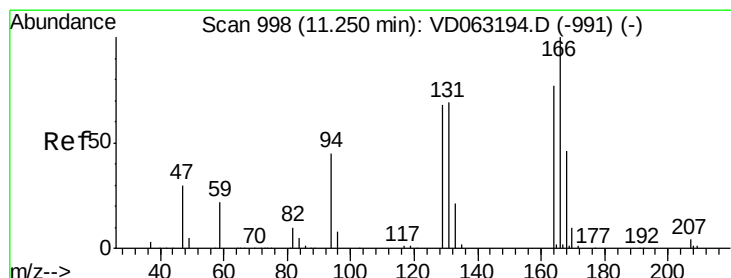
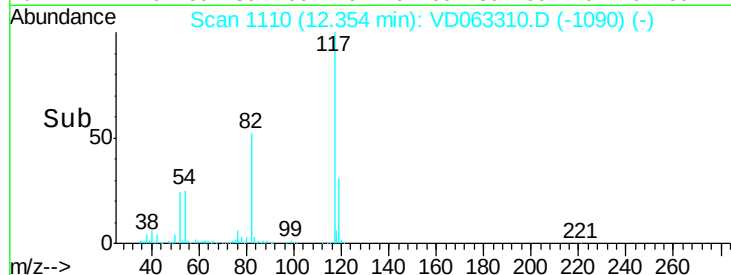
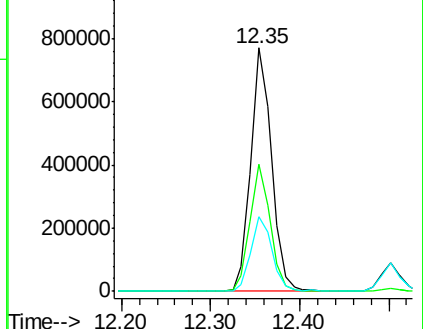
119 30.8 26.5 39.7



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 21.704 ug/l

RT: 11.24 min Scan# 997

Delta R.T. -0.01 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

Tgt Ion:164 Resp: 213784

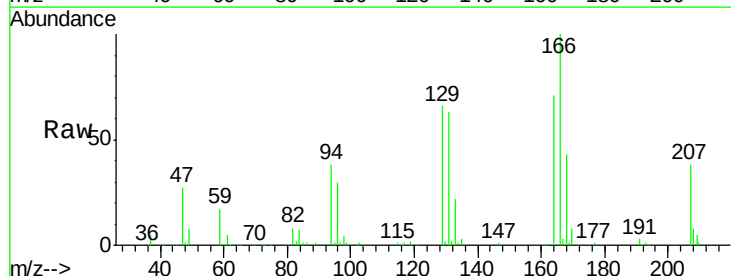
Ion Ratio Lower Upper

164 100

166 140.8 104.3 156.5

129 92.3 70.9 106.3

131 88.4 71.6 107.4

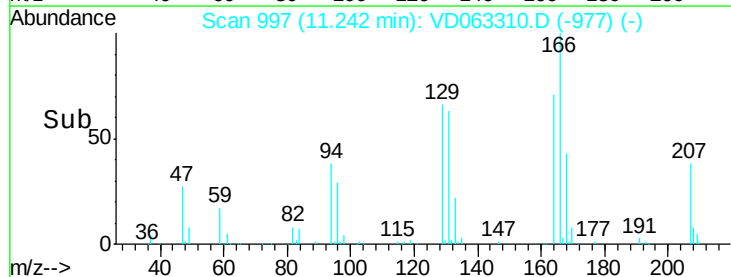
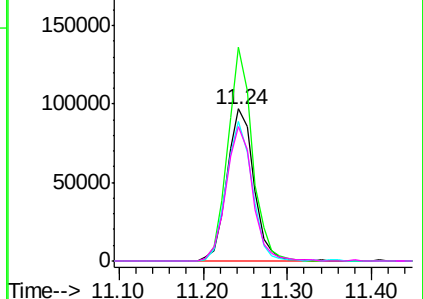


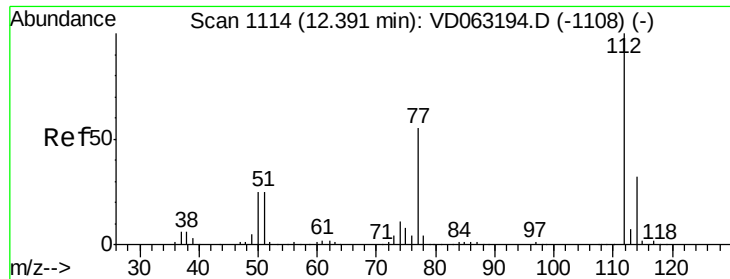
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

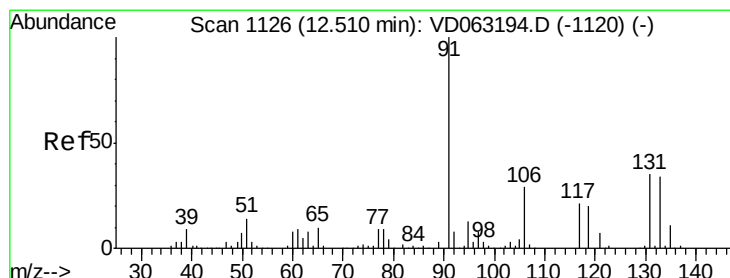
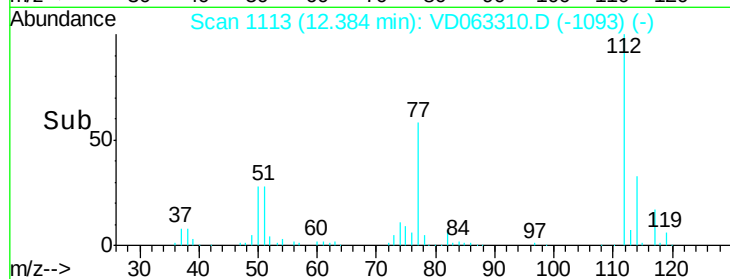
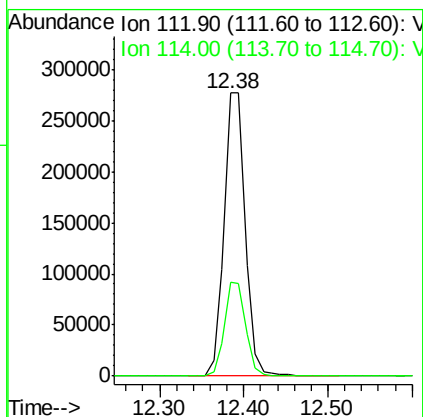
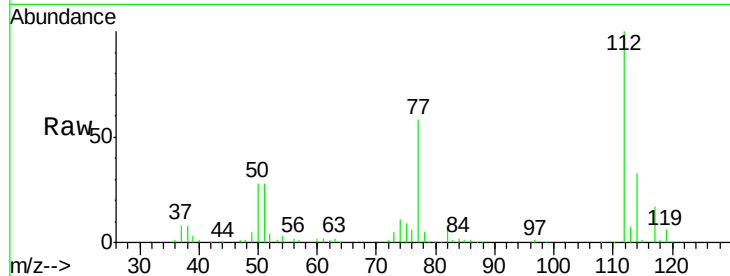




#65
Chlorobenzene
Concen: 20.327 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VD063310.D
Acq: 2 Aug 2019 12:17

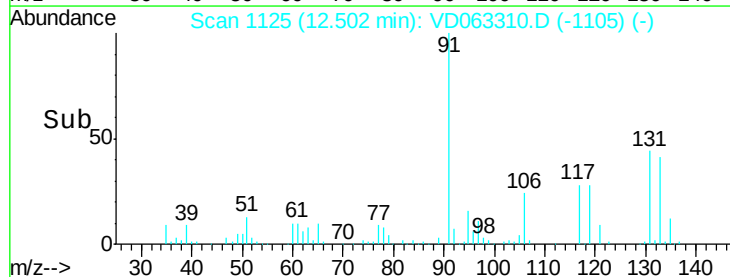
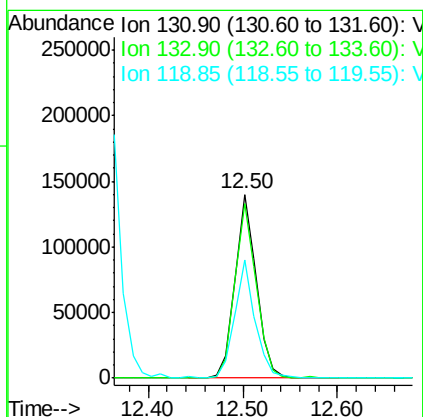
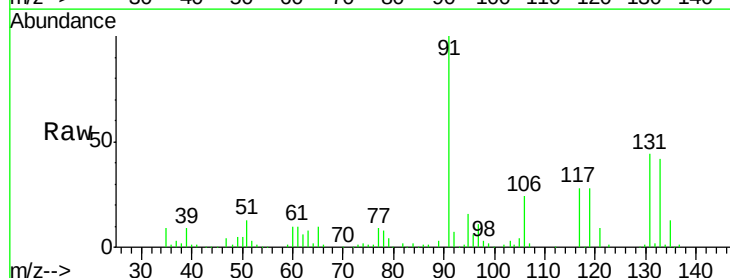
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBSD01

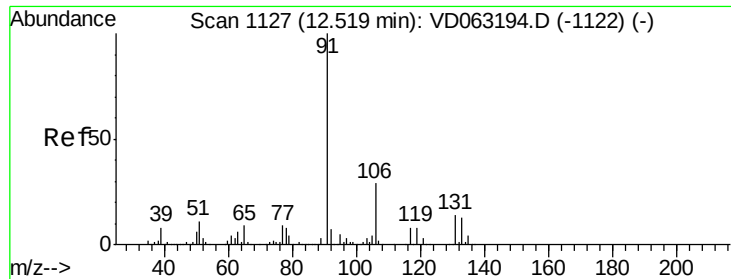
Tot Ion:112 Resp: 483402
Ion Ratio Lower Upper
112 100
114 33.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.930 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD063310.D
Acq: 2 Aug 2019 12:17

Tgt Ion:131 Resp: 219254
Ion Ratio Lower Upper
131 100
133 94.7 48.4 145.2
119 64.2 29.1 87.3

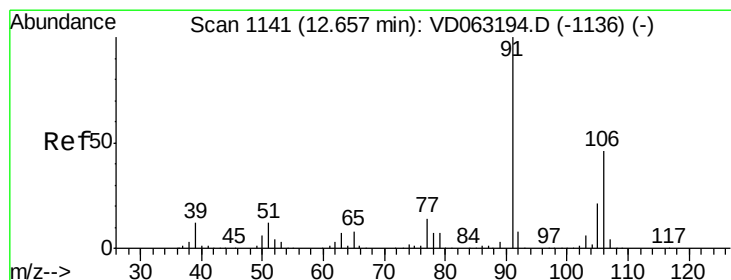
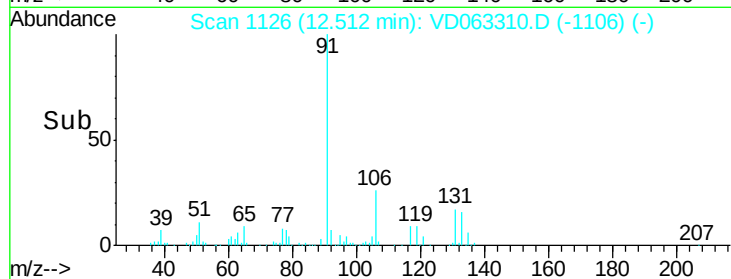
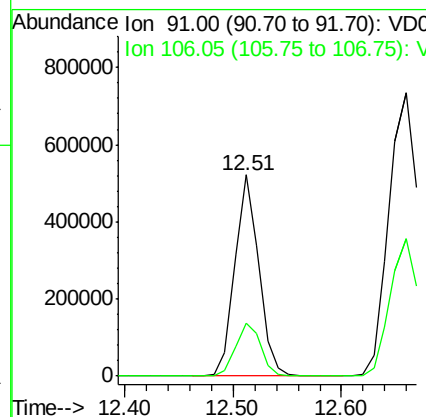
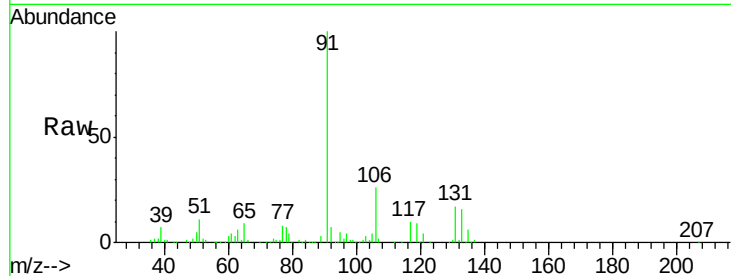




#67
Ethyl Benzene
Concen: 20.009 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD063310.D
Acq: 2 Aug 2019 12:17

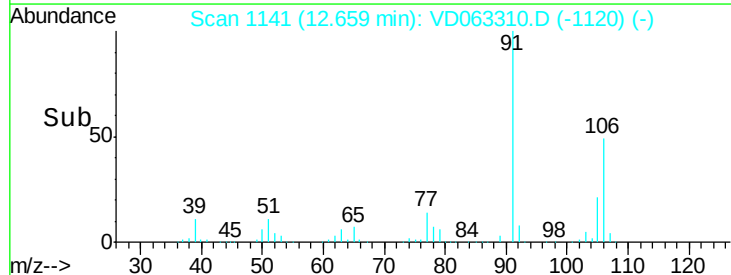
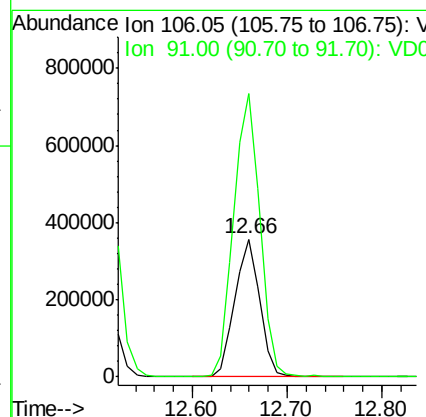
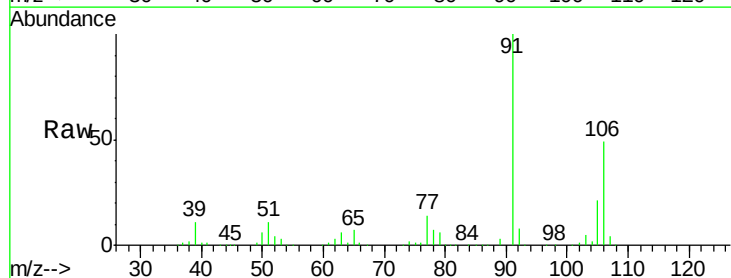
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBSD01

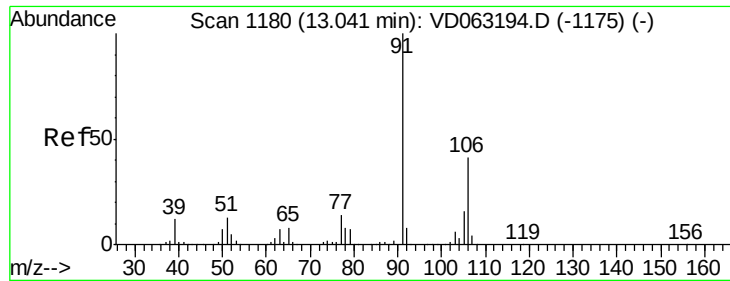
Tot Ion: 91 Resp: 808367
Ion Ratio Lower Upper
91 100
106 26.3 22.9 34.3



#68
m/p-Xylenes
Concen: 43.984 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD063310.D
Acq: 2 Aug 2019 12:17

Tgt Ion: 106 Resp: 651645
Ion Ratio Lower Upper
106 100
91 205.9 172.6 259.0

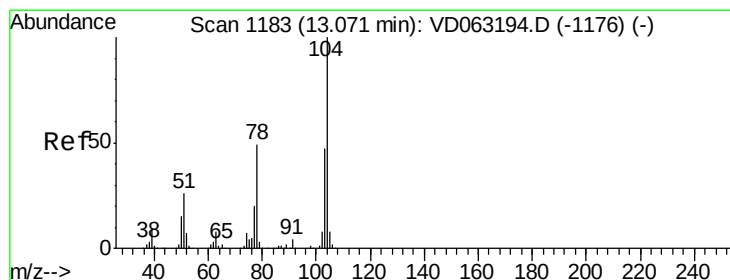
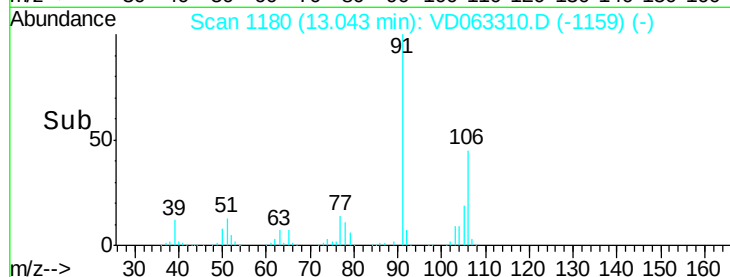
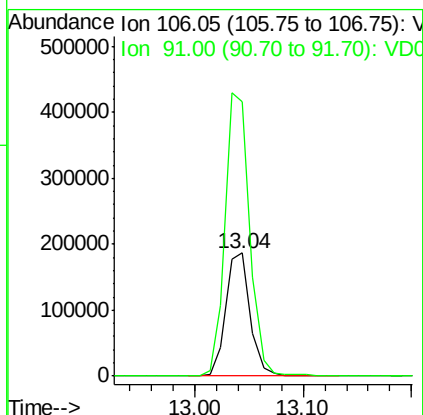
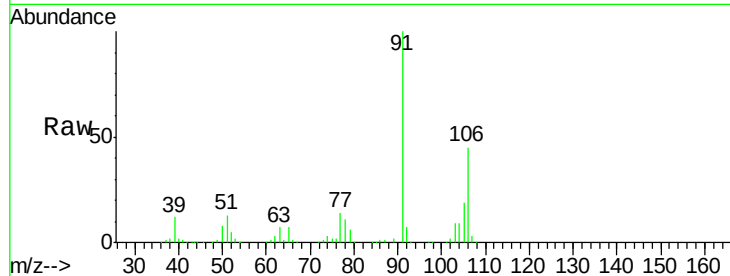




#69
o-Xylene
Concen: 21.445 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063310.D
Acq: 2 Aug 2019 12:17

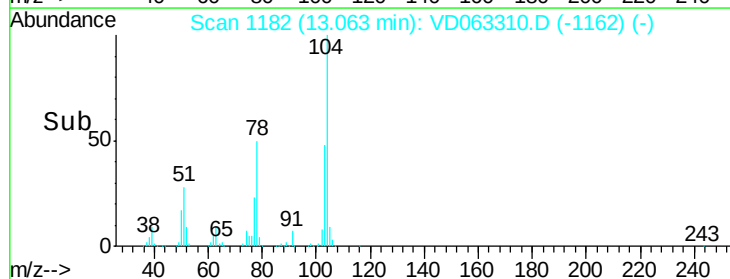
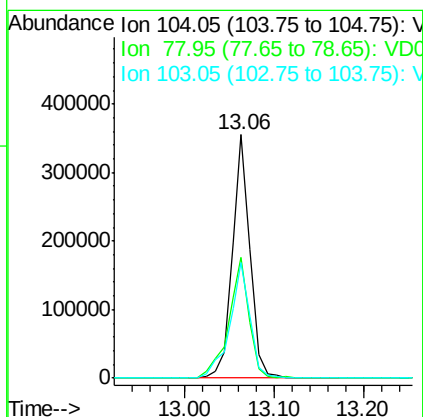
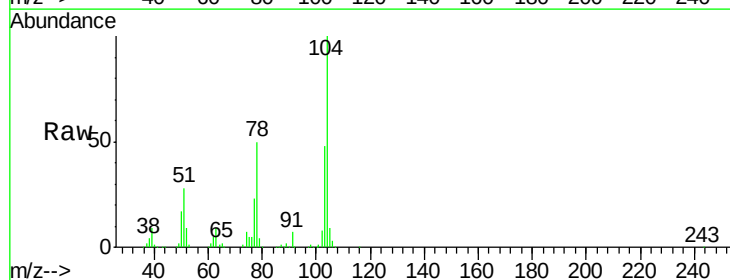
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBSD01

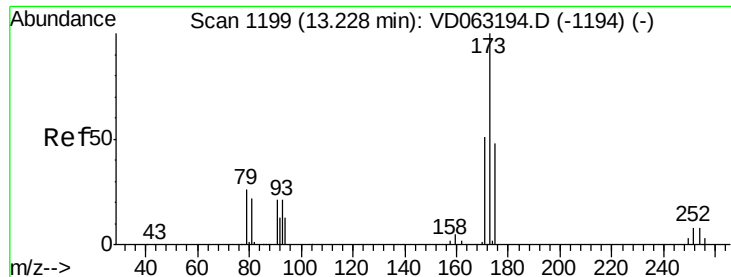
Tot Ion:106 Resp: 291765
Ion Ratio Lower Upper
106 100
91 222.5 121.3 363.9



#70
Styrene
Concen: 20.490 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063310.D
Acq: 2 Aug 2019 12:17

Tgt Ion:104 Resp: 494395
Ion Ratio Lower Upper
104 100
78 49.8 39.4 59.0
103 47.6 37.4 56.2





#71

Bromoform

Concen: 20.294 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. -0.01 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBSD01

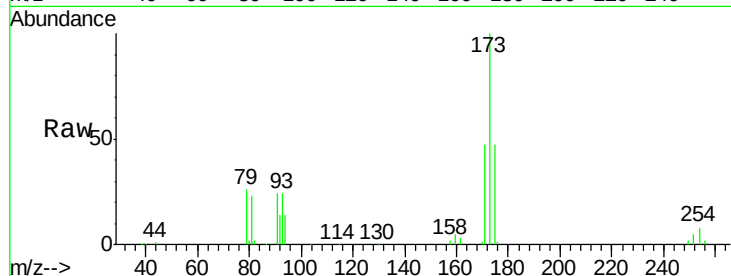
Tot Ion:173 Resp: 154602

Ion Ratio Lower Upper

173 100

175 46.8 23.8 71.5

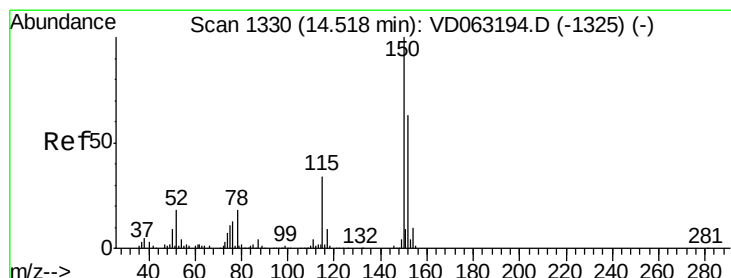
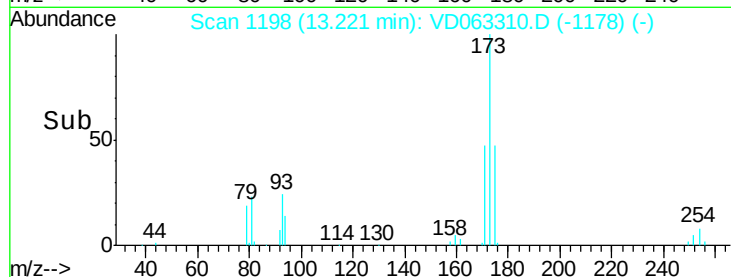
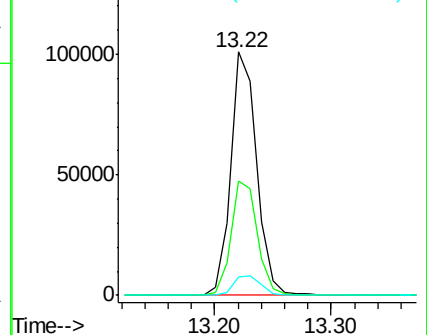
254 7.8 6.6 10.0



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: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

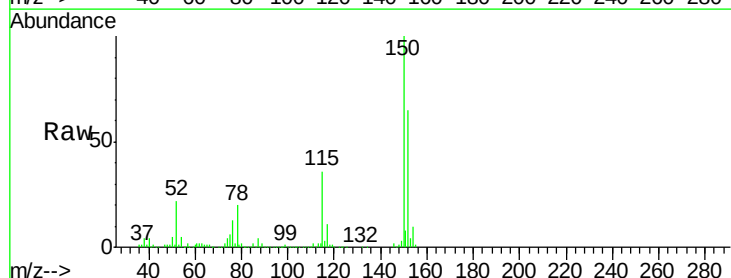
Tgt Ion:152 Resp: 676295

Ion Ratio Lower Upper

152 100

115 54.3 27.5 82.4

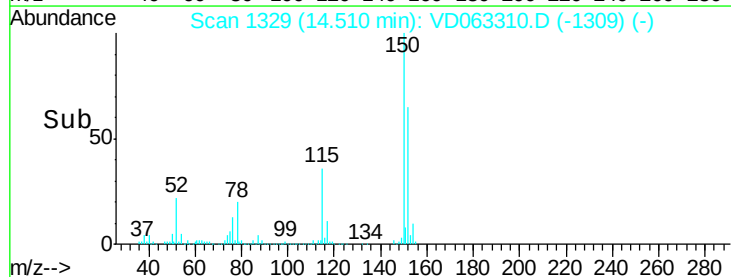
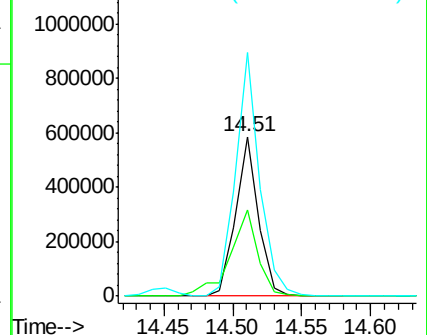
150 153.0 0.0 320.6

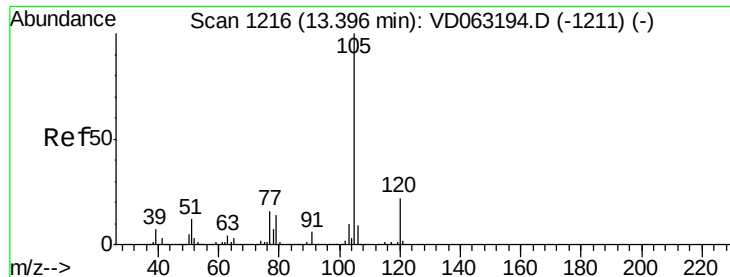


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.845 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

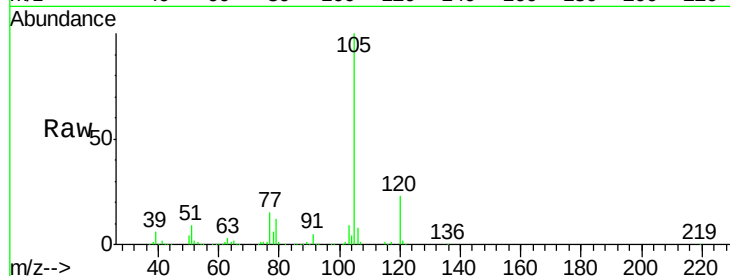
VD0802SBSD01

Tot Ion:105 Resp: 842331

Ion Ratio Lower Upper

105 100

120 23.4 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

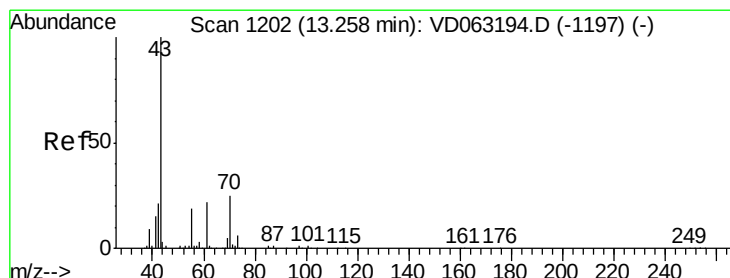
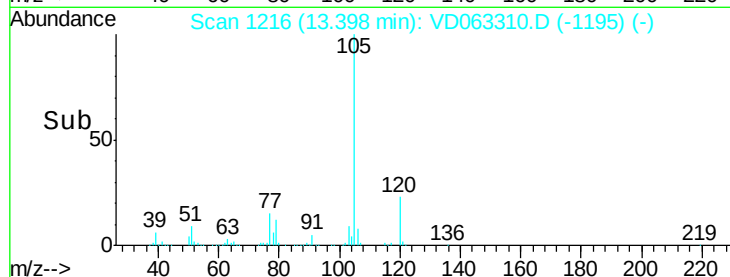
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 20.004 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

Tgt Ion: 43 Resp: 224471

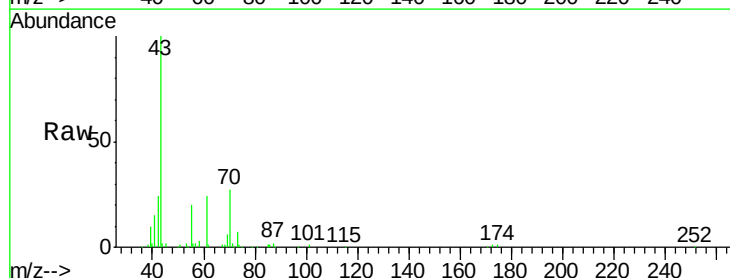
Ion Ratio Lower Upper

43 100

70 27.2 20.2 30.4

55 19.5 14.9 22.3

61 24.2 17.9 26.9



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

250000

200000

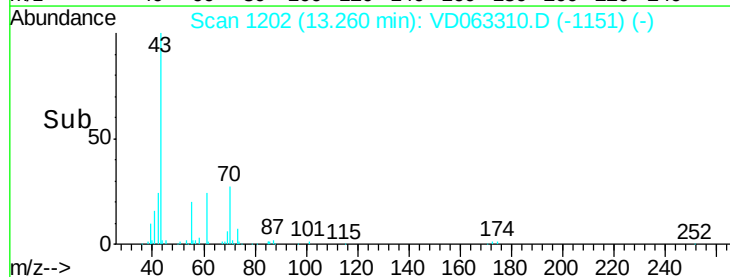
150000

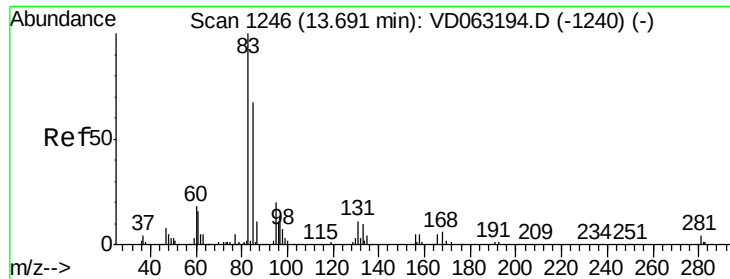
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.323 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBSD01

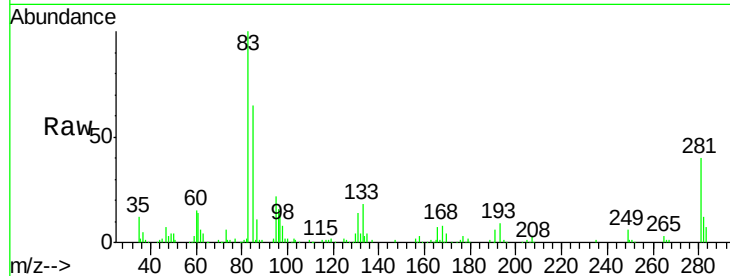
Tot Ion: 83 Resp: 146528

Ion Ratio Lower Upper

83 100

131 14.0 5.5 16.7

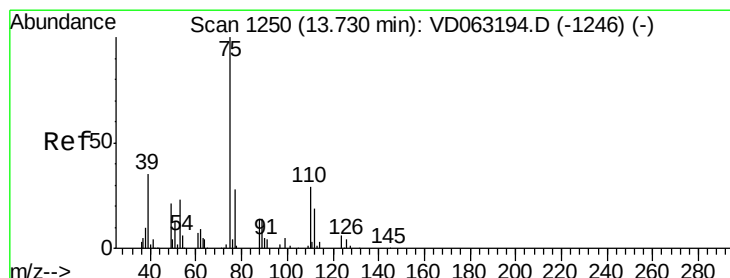
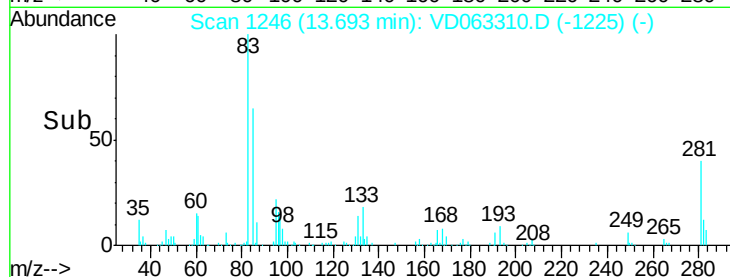
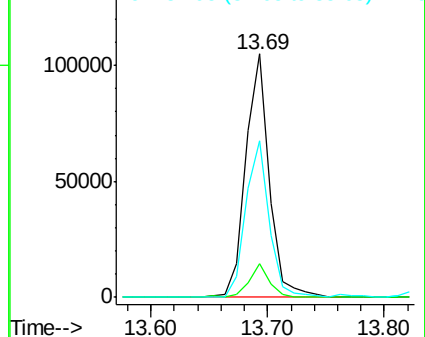
85 64.5 33.7 101.1



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: 20.189 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD063310.D

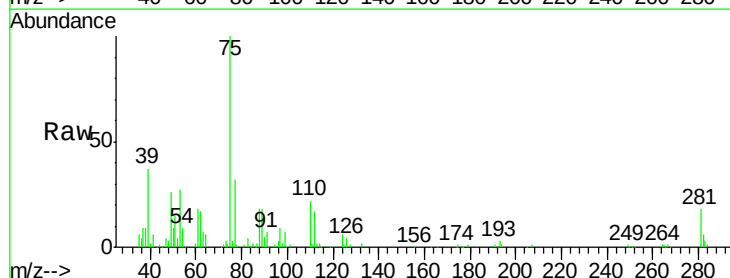
Acq: 2 Aug 2019 12:17

Tgt Ion: 75 Resp: 163999

Ion Ratio Lower Upper

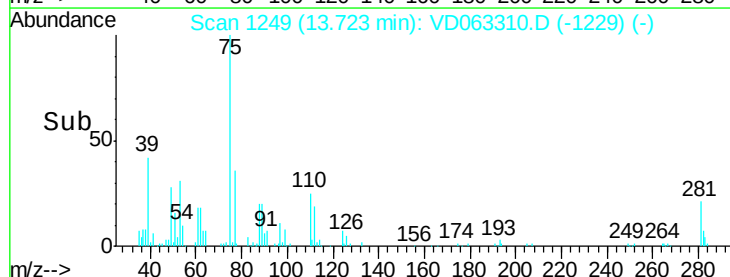
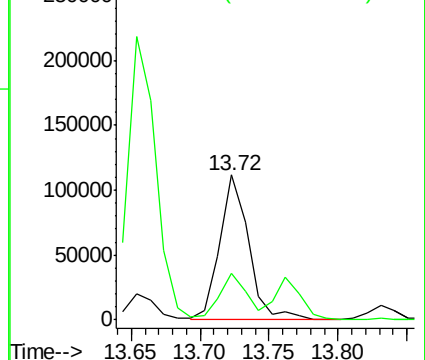
75 100

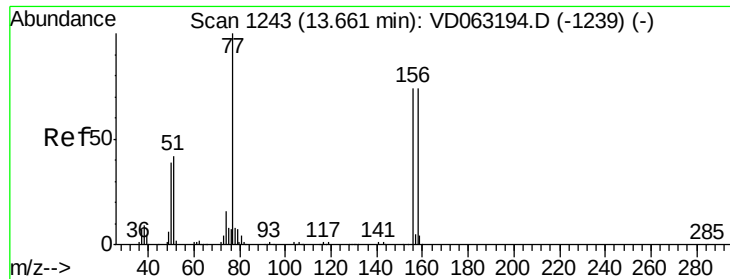
77 31.9 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.910 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBSD01

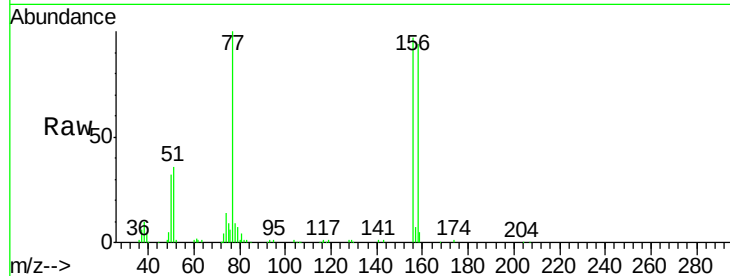
Tot Ion:156 Resp: 240744

Ion Ratio Lower Upper

156 100

77 103.4 67.6 202.8

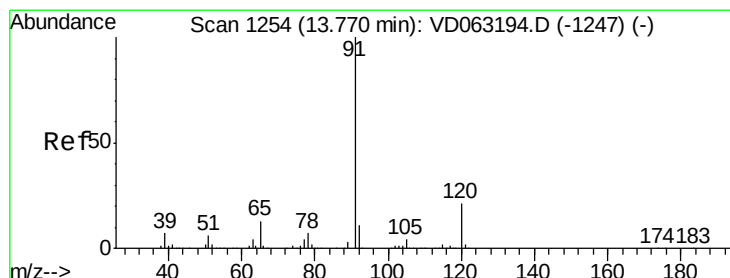
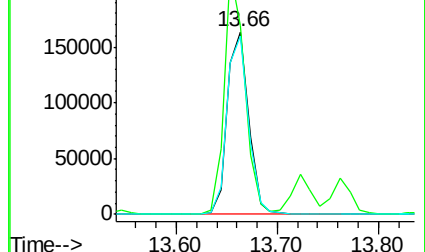
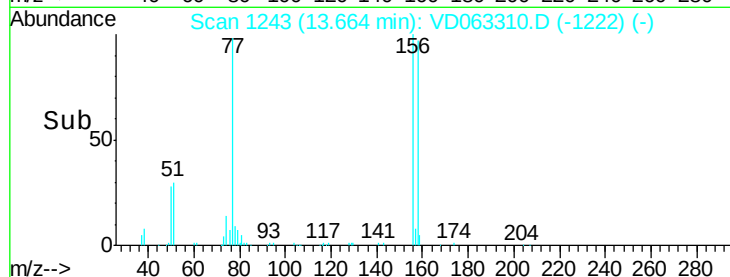
158 97.4 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.366 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD063310.D

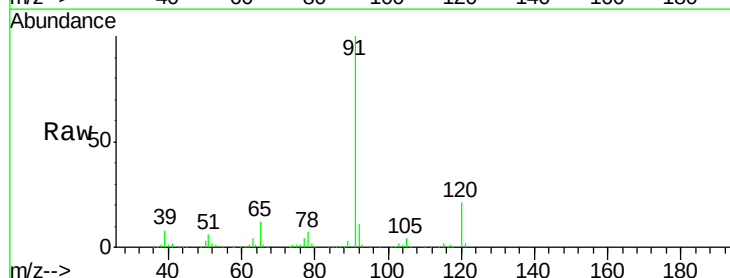
Acq: 2 Aug 2019 12:17

Tgt Ion: 91 Resp: 1028719

Ion Ratio Lower Upper

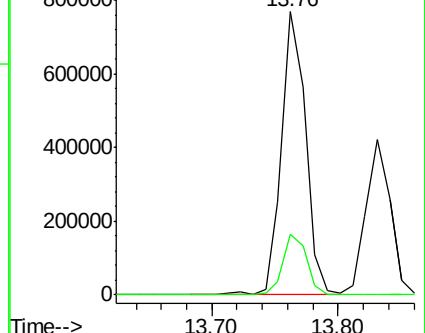
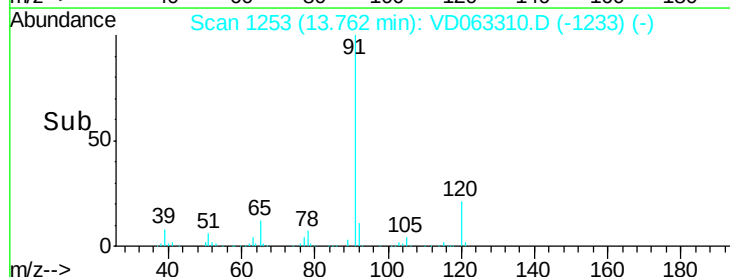
91 100

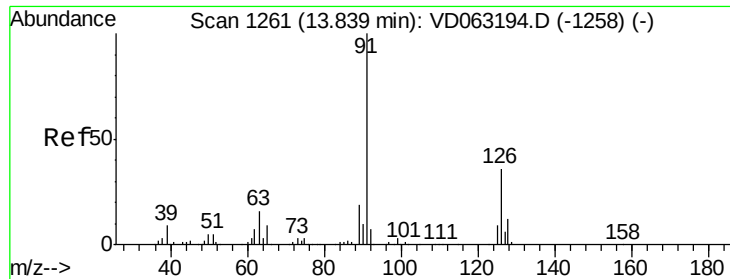
120 21.5 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

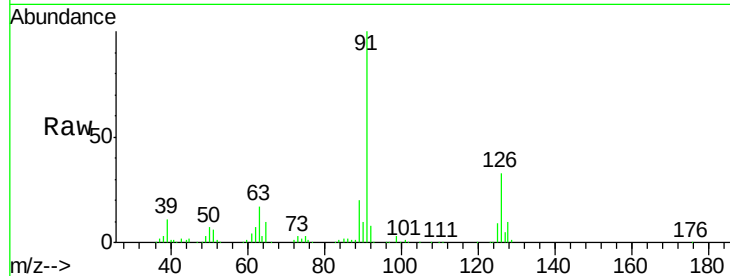




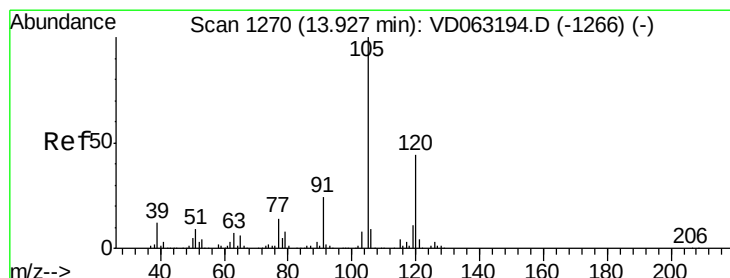
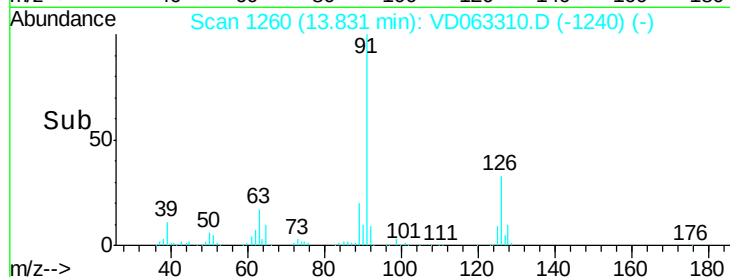
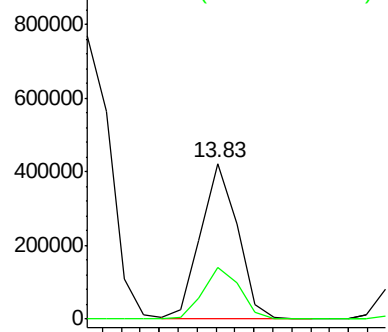
#79
 2-Chlorotoluene
 Concen: 19.476 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD063310.D
 Acq: 2 Aug 2019 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBSD01

Tot Ion: 91 Resp: 570028
 Ion Ratio Lower Upper
 91 100
 126 33.1 17.8 53.5

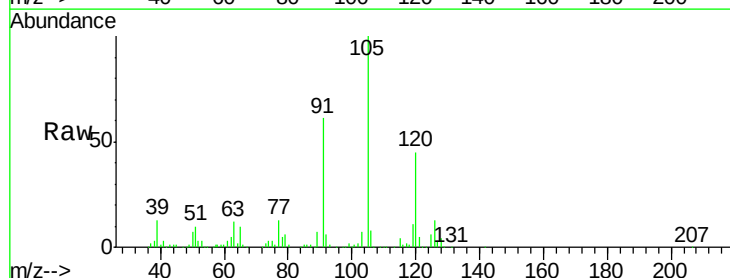


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

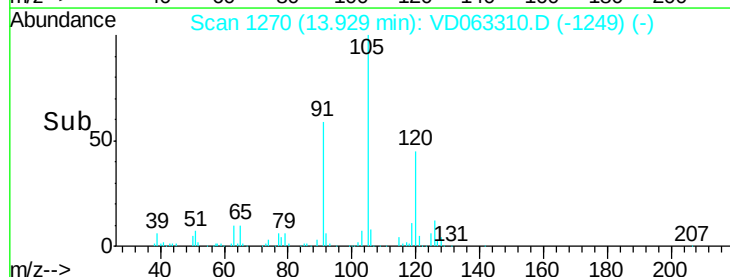
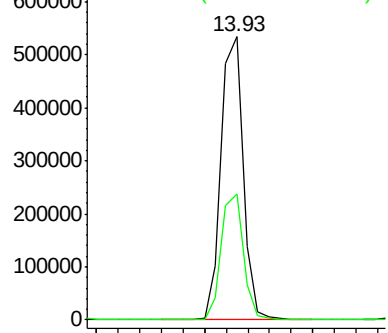


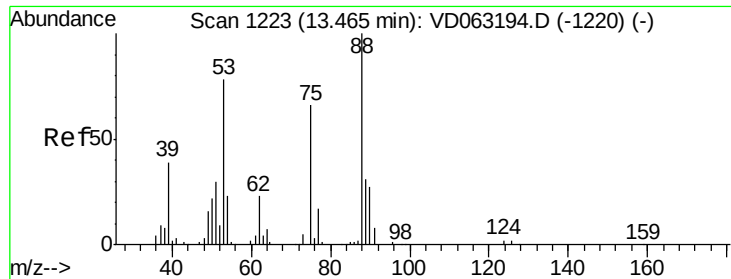
#80
 1,3,5-Trimethylbenzene
 Concen: 20.772 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD063310.D
 Acq: 2 Aug 2019 12:17

Tgt Ion: 105 Resp: 760456
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.1 66.1



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

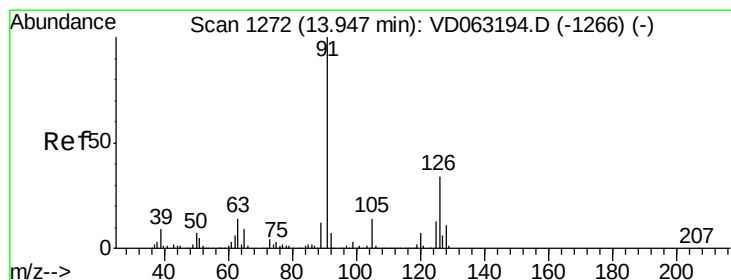
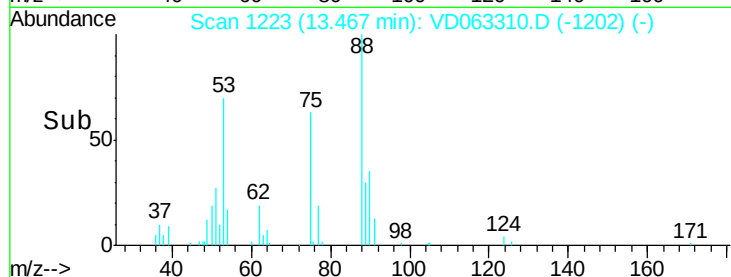
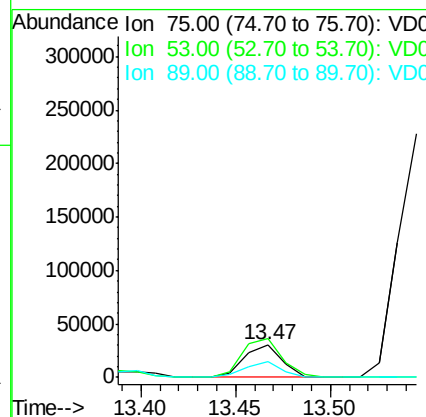
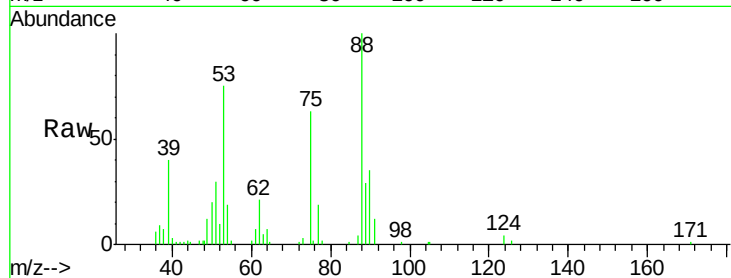




#81
trans-1,4-Dichloro-2-butene
Concen: 19.041 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD063310.D
Acq: 2 Aug 2019 12:17

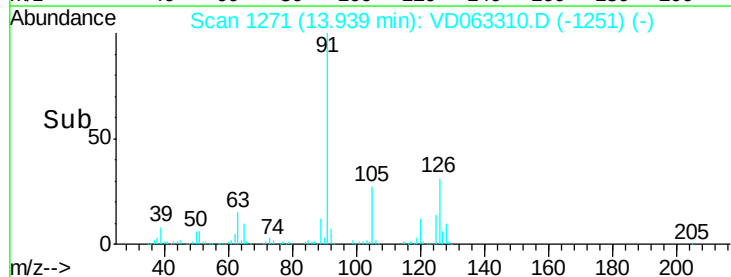
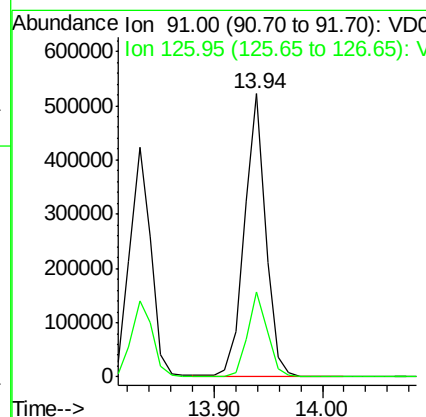
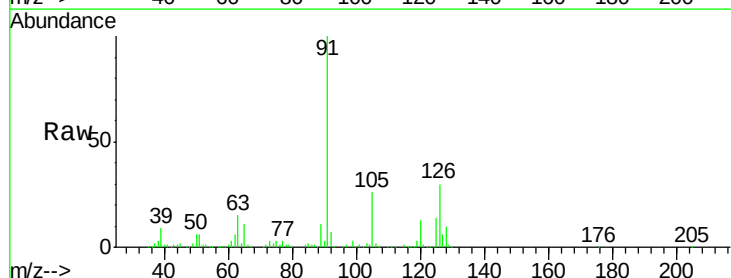
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBSD01

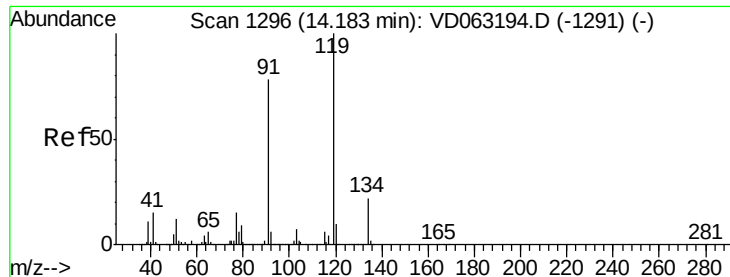
Tot Ion: 75 Resp: 42950
Ion Ratio Lower Upper
75 100
53 119.3 94.9 142.3
89 46.7 37.4 56.0



#82
4-Chlorotoluene
Concen: 20.492 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD063310.D
Acq: 2 Aug 2019 12:17

Tgt Ion: 91 Resp: 705859
Ion Ratio Lower Upper
91 100
126 30.1 17.1 51.2

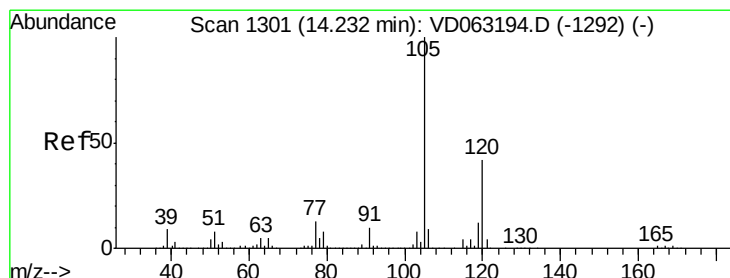
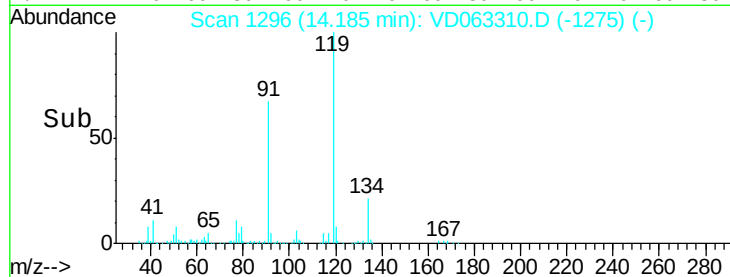
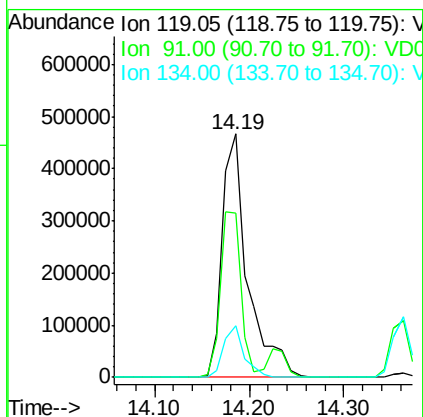
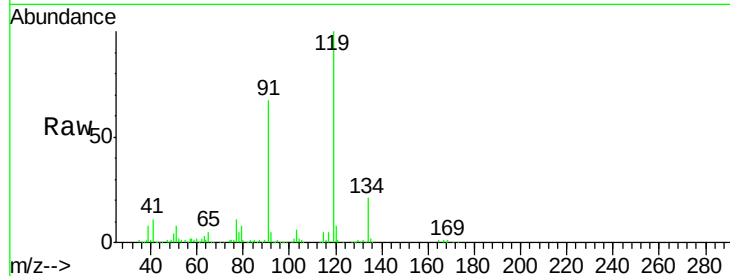




#83
 tert-Butylbenzene
 Concen: 20.815 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD063310.D
 Acq: 2 Aug 2019 12:17

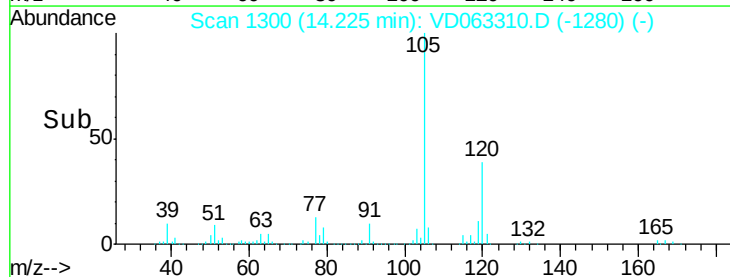
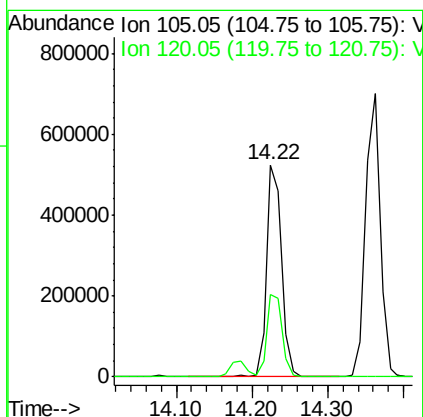
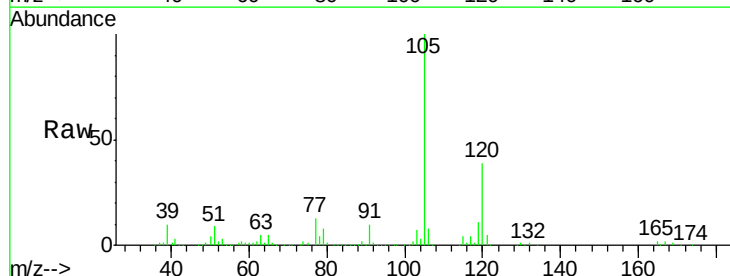
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBSD01

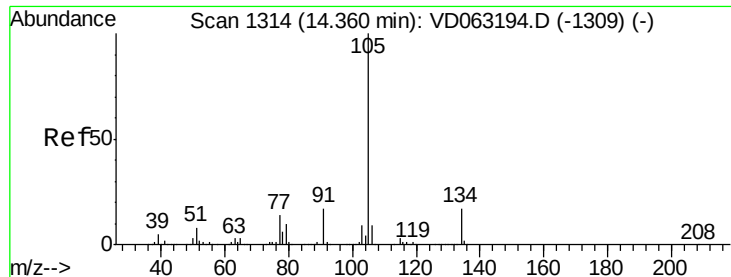
Tot Ion:119 Resp: 870106
 Ion Ratio Lower Upper
 119 100
 91 67.2 39.1 117.5
 134 21.3 10.9 32.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.238 ug/l
 RT: 14.22 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: VD063310.D
 Acq: 2 Aug 2019 12:17

Tgt Ion:105 Resp: 728499
 Ion Ratio Lower Upper
 105 100
 120 39.0 20.9 62.7





#85

sec-Butylbenzene

Concen: 20.993 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

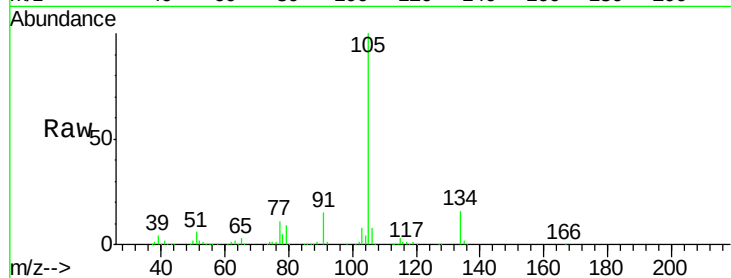
VD0802SBSD01

Tot Ion:105 Resp: 924560

Ion Ratio Lower Upper

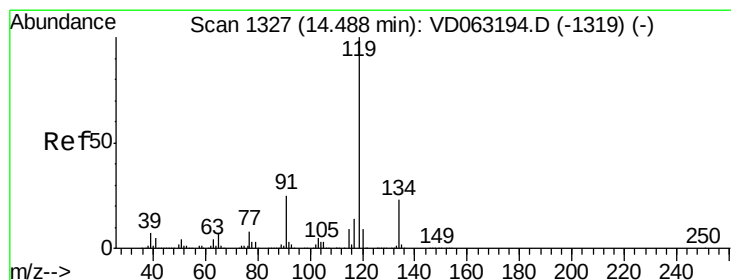
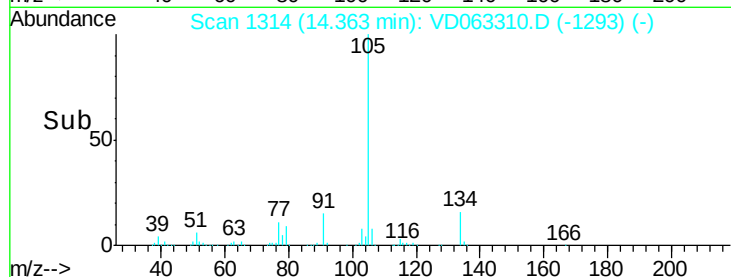
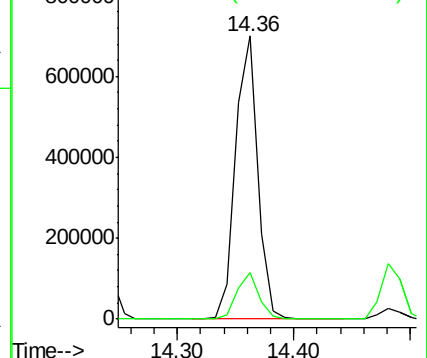
105 100

134 16.5 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 18.822 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

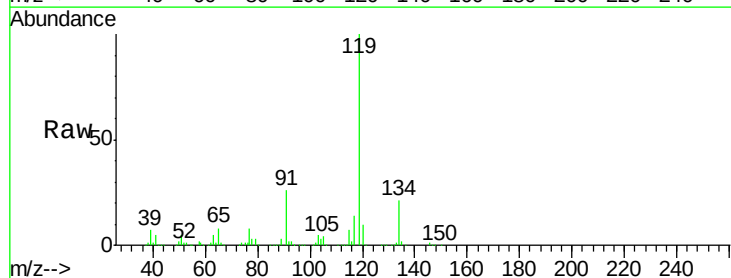
Tgt Ion:119 Resp: 791171

Ion Ratio Lower Upper

119 100

134 20.9 11.5 34.5

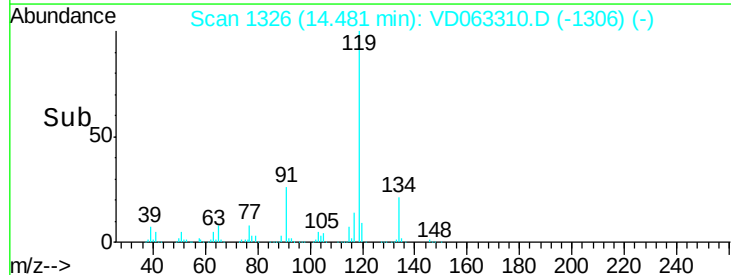
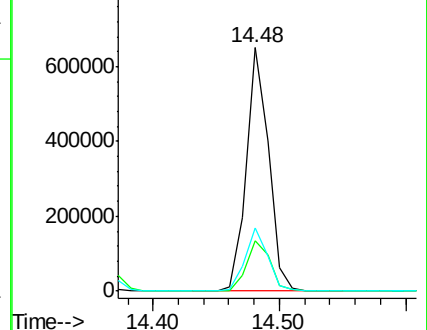
91 25.9 12.6 37.6

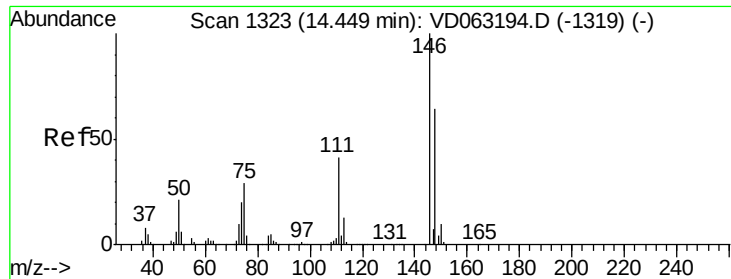


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

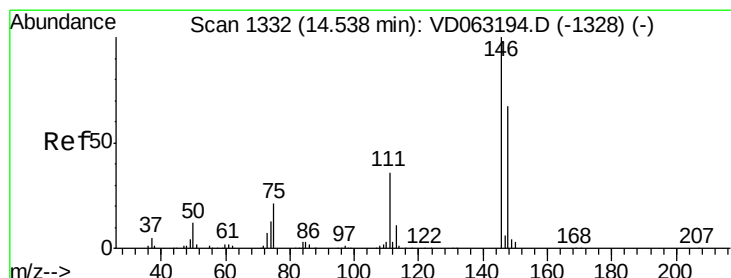
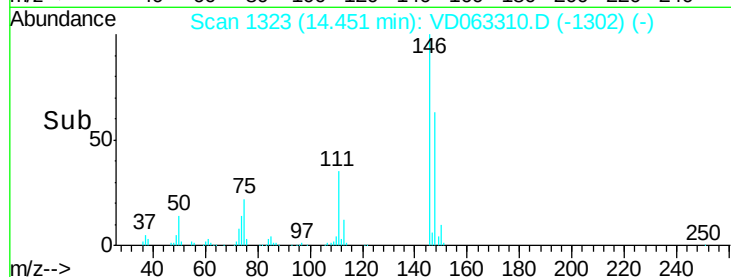
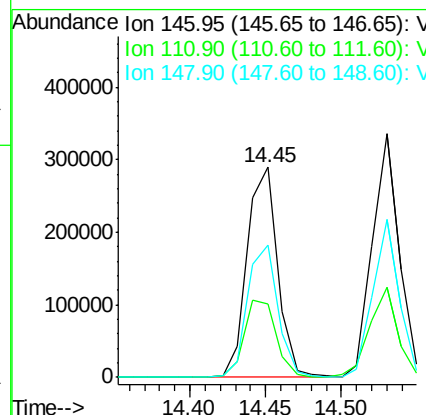
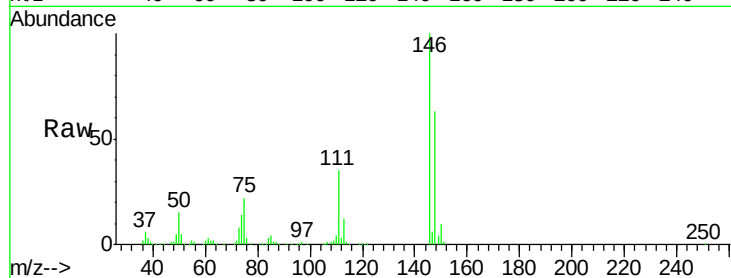




#87
 1,3-Dichlorobenzene
 Concen: 19.014 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063310.D
 Acq: 2 Aug 2019 12:17

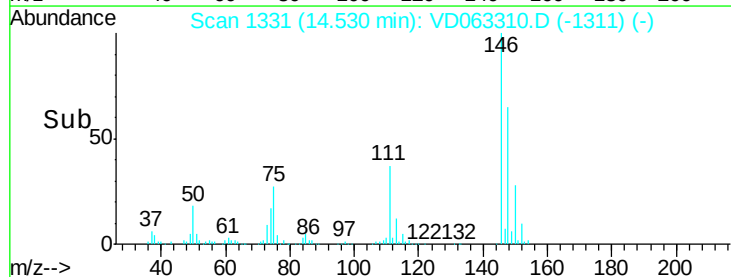
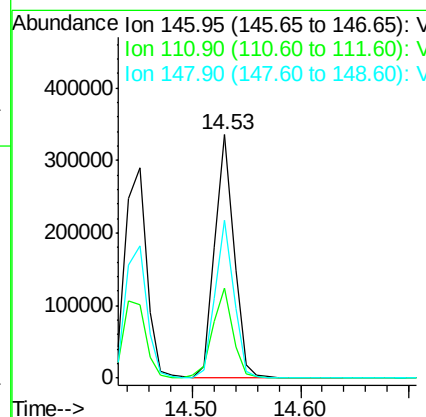
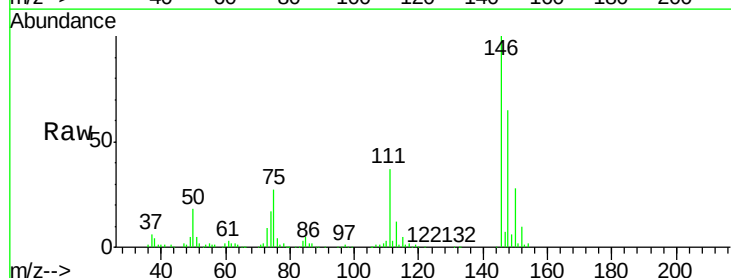
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBSD01

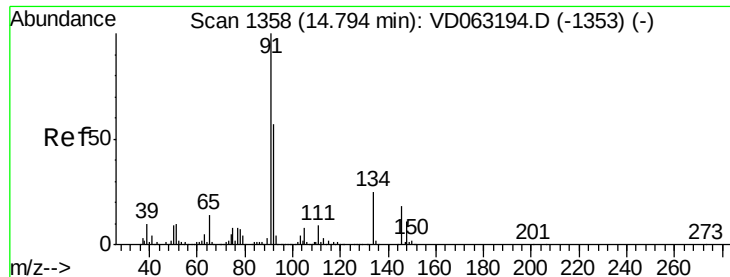
Tot Ion:146 Resp: 407145
 Ion Ratio Lower Upper
 146 100
 111 34.7 20.4 61.3
 148 63.0 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.272 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063310.D
 Acq: 2 Aug 2019 12:17

Tgt Ion:146 Resp: 417307
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.1 54.3
 148 65.1 33.4 100.1





#89

n-Butylbenzene

Concen: 20.969 ug/l

RT: 14.79 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VD063310.D

Acq: 2 Aug 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBSD01

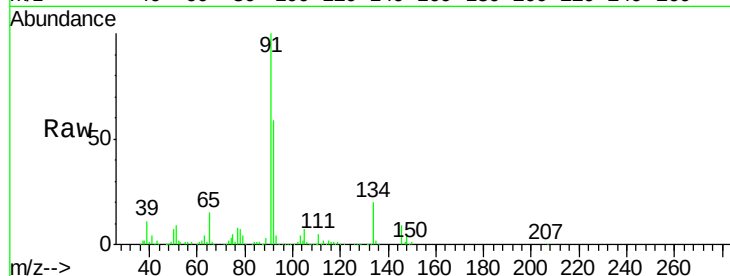
Tot Ion: 91 Resp: 761297

Ion Ratio Lower Upper

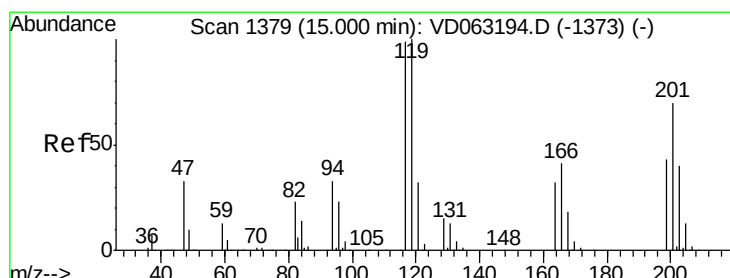
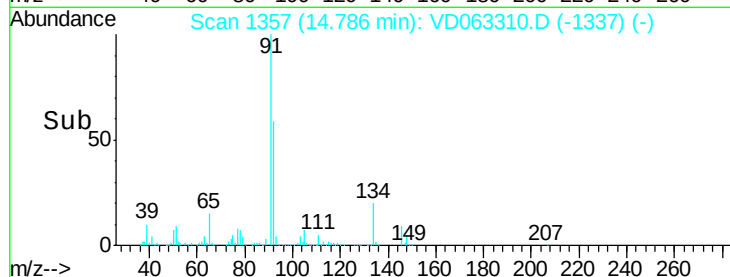
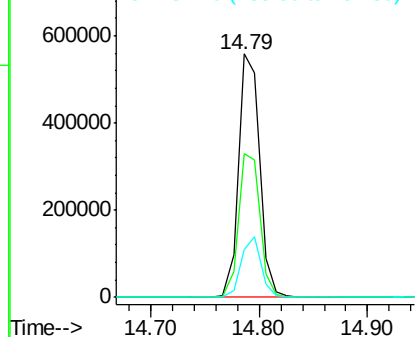
91 100

92 59.0 28.3 85.0

134 19.9 12.3 36.8



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



#90

Hexachloroethane

Concen: 19.888 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD063310.D

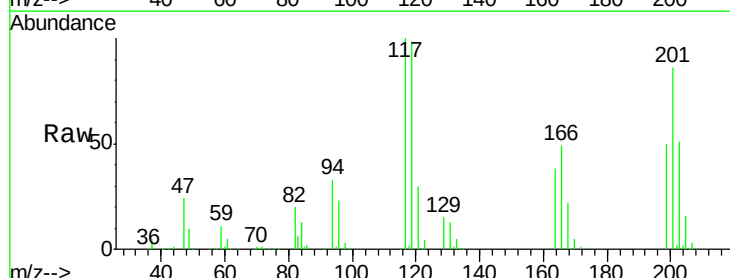
Acq: 2 Aug 2019 12:17

Tgt Ion: 117 Resp: 217806

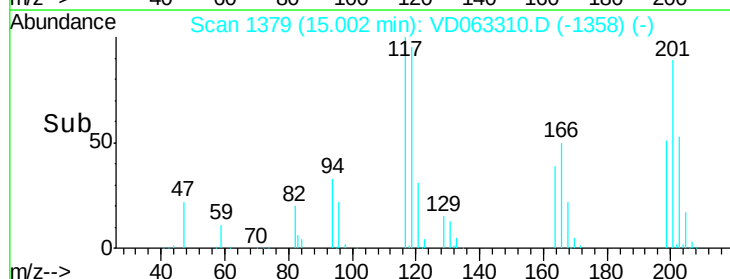
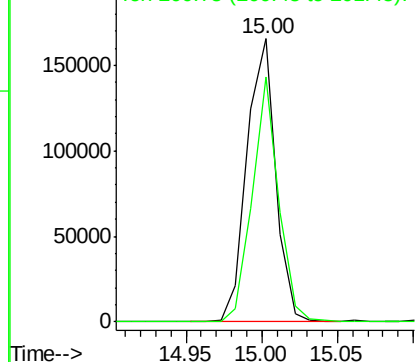
Ion Ratio Lower Upper

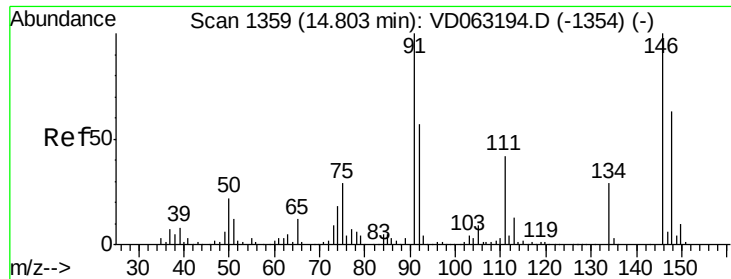
117 100

201 86.3 35.2 105.6



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

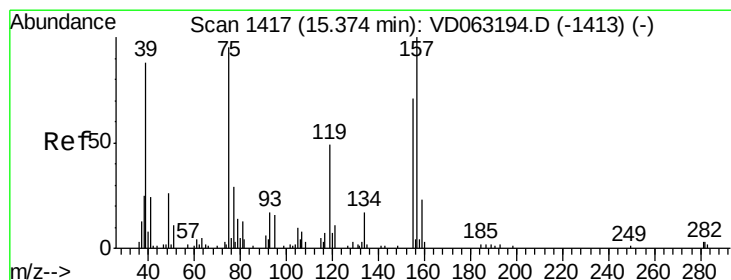
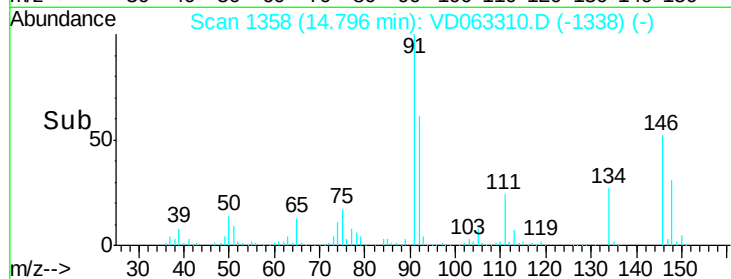
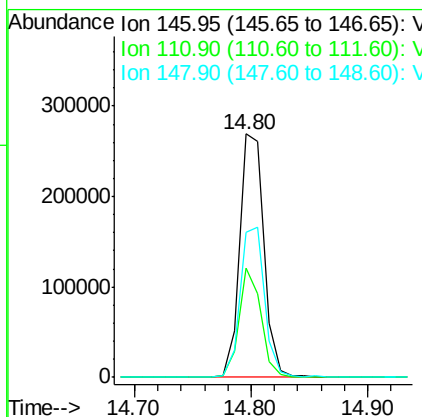
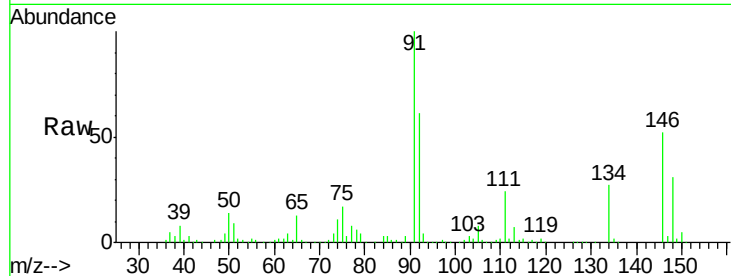




#91
 1,2-Dichlorobenzene
 Concen: 20.776 ug/l
 RT: 14.80 min Scan# 1358
 Delta R.T. -0.01 min
 Lab File: VD063310.D
 Acq: 2 Aug 2019 12:17

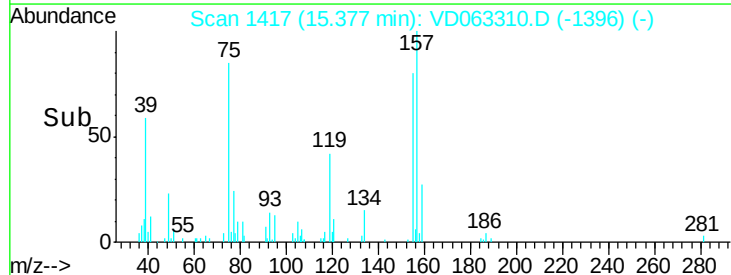
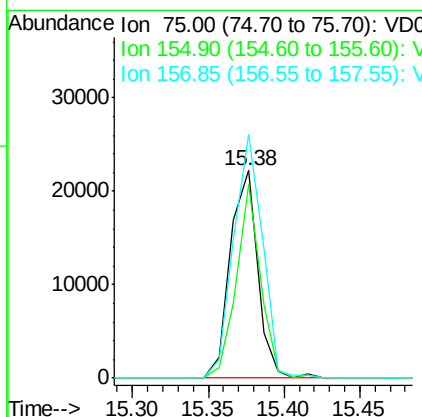
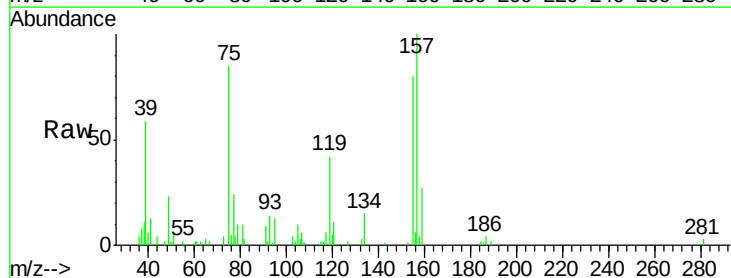
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBSD01

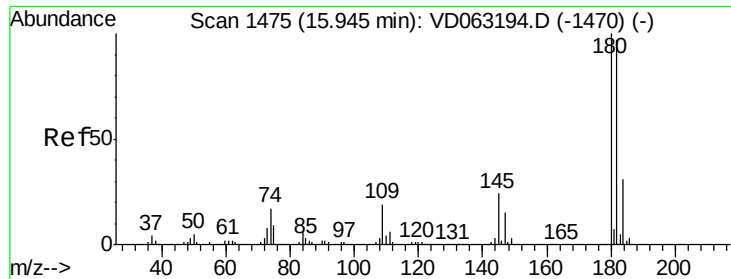
Tot Ion:146 Resp: 387617
 Ion Ratio Lower Upper
 146 100
 111 45.0 21.1 63.3
 148 59.5 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.063 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD063310.D
 Acq: 2 Aug 2019 12:17

Tgt Ion: 75 Resp: 27997
 Ion Ratio Lower Upper
 75 100
 155 93.4 37.0 111.0
 157 117.4 52.4 157.2

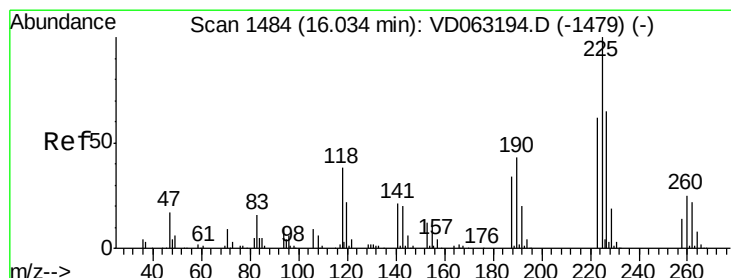
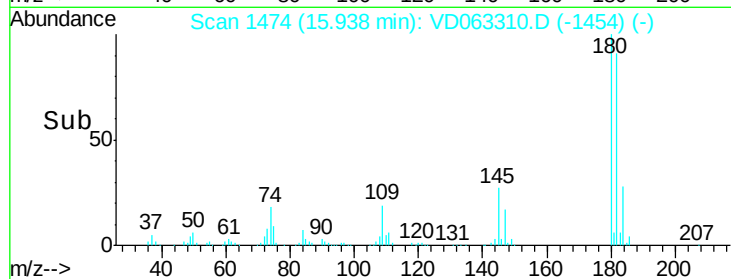
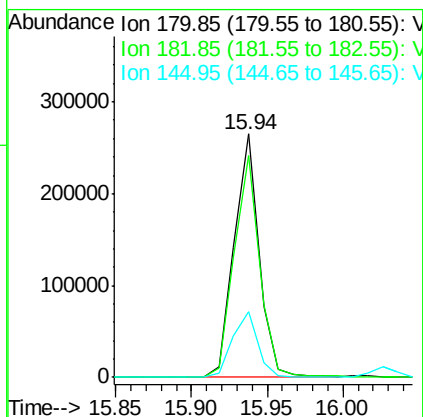
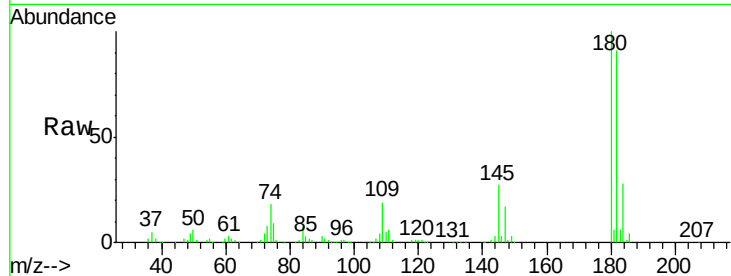




#93
 1,2,4-Trichlorobenzene
 Concen: 20.319 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063310.D
 Acq: 2 Aug 2019 12:17

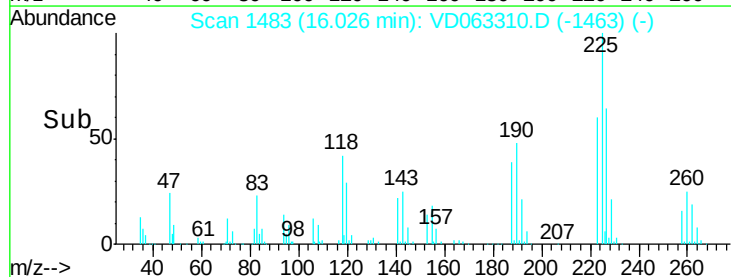
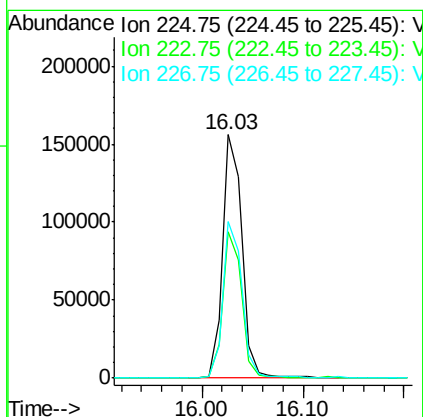
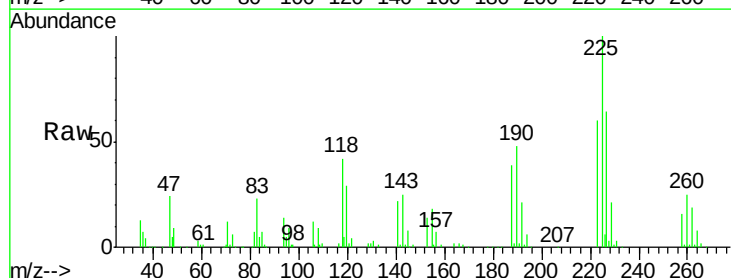
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBSD01

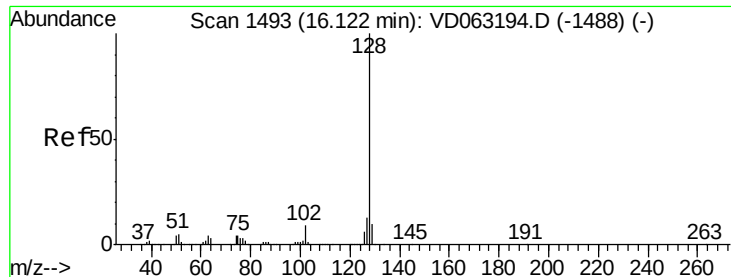
Tot Ion:180 Resp: 300743
 Ion Ratio Lower Upper
 180 100
 182 91.1 48.6 145.8
 145 27.1 12.2 36.6



#94
 Hexachlorobutadiene
 Concen: 19.579 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: VD063310.D
 Acq: 2 Aug 2019 12:17

Tgt Ion:225 Resp: 210000
 Ion Ratio Lower Upper
 225 100
 223 60.2 30.9 92.5
 227 64.5 32.6 97.7

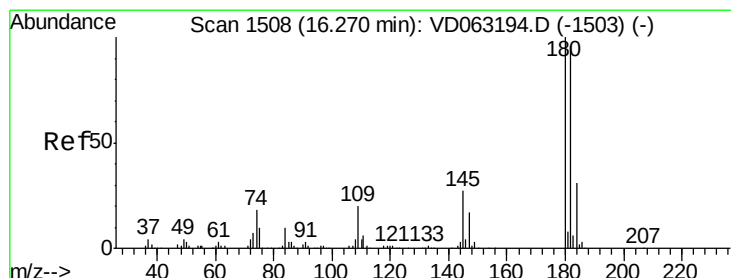
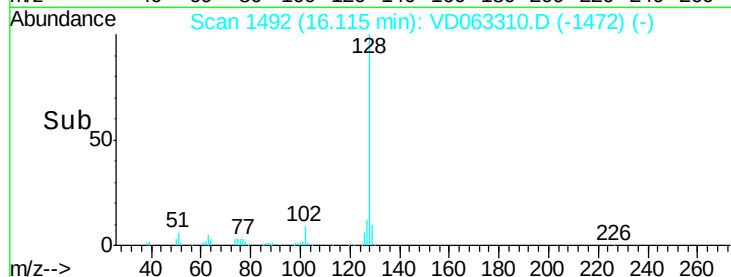
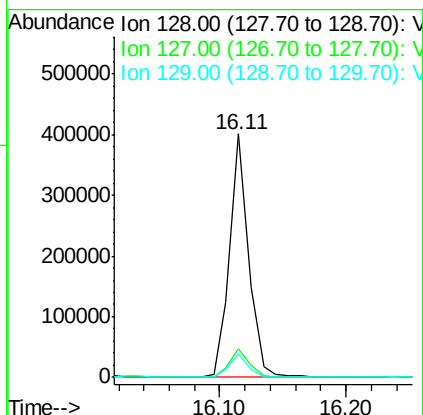
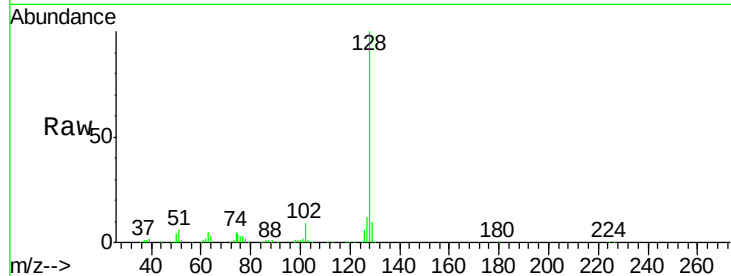




#95
Naphthalene
Concen: 20.025 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD063310.D
Acq: 2 Aug 2019 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0802SBSD01

Tot Ion:128 Resp: 418918
Ion Ratio Lower Upper
128 100
127 11.6 10.2 15.4
129 9.8 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 18.633 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD063310.D
Acq: 2 Aug 2019 12:17

Tgt Ion:180 Resp: 217863
Ion Ratio Lower Upper
180 100
182 103.2 48.3 144.9
145 29.2 13.6 40.7

