

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063266.D
 Acq On : 31 Jul 2019 4:43
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 31 07:00:31 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	7.04	168	783207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1154269	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1082859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	595193	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	552762	63.61	ug/l	0.02
Spiked Amount	50.000		Recovery	=	127.22%	
35) Dibromofluoromethane	6.92	113	566797	57.51	ug/l	0.02
Spiked Amount	50.000		Recovery	=	115.02%	
50) Toluene-d8	10.41	98	1224189	55.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.02%	
62) 4-Bromofluorobenzene	13.55	95	587207	58.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	410145	42.841	ug/l	100
3) Chloromethane	1.75	50	332285	44.673	ug/l	91
4) Vinyl Chloride	1.84	62	333451	43.304	ug/l	98
5) Bromomethane	2.15	94	201274	51.828	ug/l	97
6) Chloroethane	2.27	64	171603	48.269	ug/l #	83
7) Trichlorofluoromethane	2.53	101	680874	45.579	ug/l	99
8) Diethyl Ether	2.87	74	105864	50.636	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	382784	46.259	ug/l	99
10) Methyl Iodide	3.30	142	591315	49.466	ug/l	96
11) Tert butyl alcohol	4.08	59	104582	274.221	ug/l #	84
12) 1,1-Dichloroethene	3.12	96	273354	44.998	ug/l	85
13) Acrolein	3.03	56	75779	206.460	ug/l	85
14) Allyl chloride	3.62	41	462901	47.833	ug/l	89
15) Acrylonitrile	4.20	53	265840	268.864	ug/l	96
16) Acetone	3.22	43	429396	253.595	ug/l	99
17) Carbon Disulfide	3.37	76	943538	46.404	ug/l	97
18) Methyl Acetate	3.65	43	200042	61.506	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	756965	55.163	ug/l	98
20) Methylene Chloride	3.81	84	354387	51.779	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	331439	48.625	ug/l	94
22) Diisopropyl ether	5.12	45	1031264	53.338	ug/l	99
23) Vinyl Acetate	5.05	43	3153973	265.375	ug/l	98
24) 1,1-Dichloroethane	4.98	63	640218	51.840	ug/l	97
25) 2-Butanone	6.07	43	482360	283.857	ug/l	92
26) 2,2-Dichloropropane	6.02	77	580792	45.634	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	393099	53.790	ug/l	94
28) Bromochloromethane	6.44	49	291678	59.277	ug/l	93
29) Tetrahydrofuran	6.46	42	224591	279.157	ug/l	98
30) Chloroform	6.67	83	833163	54.361	ug/l	94
31) Cyclohexane	6.95	56	311603	40.253	ug/l	87
32) 1,1,1-Trichloroethane	6.86	97	760244	51.282	ug/l	98
36) 1,1-Dichloropropene	7.14	75	492806	46.782	ug/l	94
37) Ethyl Acetate	6.19	43	235896	49.845	ug/l #	94
38) Carbon Tetrachloride	7.11	117	825211	52.035	ug/l	98

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 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	358932	40.896	ug/l	95
40) Benzene	7.46	78	1103299	49.974	ug/l	97
41) Methacrylonitrile	6.45	41	325466	57.492	ug/l #	93
42) 1,2-Dichloroethane	7.57	62	654527	55.939	ug/l	98
43) Isopropyl Acetate	9.24	43	324991	53.759	ug/l	98
44) Trichloroethene	8.54	130	433254	48.429	ug/l	99
45) 1,2-Dichloropropane	8.94	63	280141	49.922	ug/l	97
46) Dibromomethane	9.06	93	248887	53.341	ug/l	91
47) Bromodichloromethane	9.37	83	660373	55.522	ug/l	96
48) Methyl methacrylate	9.12	41	221562	56.509	ug/l	94
49) 1,4-Dioxane	9.07	88	38047	1146.129	ug/l	97
51) 4-Methyl-2-Pentanone	10.30	43	1181456	287.364	ug/l	100
52) Toluene	10.51	92	792632	53.980	ug/l	94
53) t-1,3-Dichloropropene	10.91	75	537881	52.455	ug/l	94
54) cis-1,3-Dichloropropene	10.03	75	576750	53.517	ug/l	92
55) 1,1,2-Trichloroethane	11.19	97	266098	53.657	ug/l	98
56) Ethyl methacrylate	11.04	69	284907	52.464	ug/l	94
57) 1,3-Dichloropropane	11.40	76	420326	53.793	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	765647	270.957	ug/l	100
59) 2-Hexanone	11.53	43	832211	280.885	ug/l	99
60) Dibromochloromethane	11.69	129	531569	56.778	ug/l	97
61) 1,2-Dibromoethane	11.81	107	358033	58.508	ug/l	95
64) Tetrachloroethene	11.25	164	423649	49.109	ug/l	97
65) Chlorobenzene	12.40	112	997458	47.890	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	458362	49.960	ug/l	96
67) Ethyl Benzene	12.52	91	1656065	46.805	ug/l	99
68) m/p-Xylenes	12.66	106	1146362	88.346	ug/l	93
69) o-Xylene	13.05	106	569109	47.761	ug/l	90
70) Styrene	13.07	104	969692	45.888	ug/l	97
71) Bromoform	13.23	173	349637	52.404	ug/l	99
73) Isopropylbenzene	13.40	105	1568094	41.977	ug/l	98
74) N-amyl acetate	13.26	43	474029	48.001	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	336725	53.065	ug/l	93
76) 1,2,3-Trichloropropane	13.73	75	354997	49.657	ug/l	99
77) Bromobenzene	13.67	156	503160	47.282	ug/l	96
78) n-propylbenzene	13.78	91	1845391	41.512	ug/l	96
79) 2-Chlorotoluene	13.83	91	1120347	43.494	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	1329368	41.260	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	91461	46.073	ug/l	92
82) 4-Chlorotoluene	13.94	91	1356969	44.763	ug/l	93
83) tert-Butylbenzene	14.19	119	1625565	44.187	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	1445067	43.362	ug/l	100
85) sec-Butylbenzene	14.37	105	1644449	42.427	ug/l	99
86) p-Isopropyltoluene	14.48	119	1539849	41.624	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	901562	47.840	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	885391	46.460	ug/l	96
89) n-Butylbenzene	14.80	91	1381926	43.251	ug/l	98
90) Hexachloroethane	15.01	117	405536	42.075	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	775612	47.237	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	63406	49.055	ug/l	77

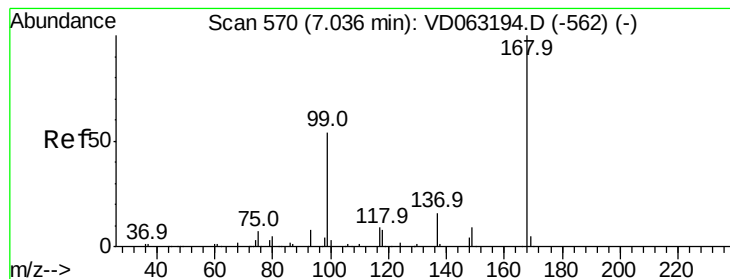
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073019\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	558760	42.896	ug/l	96
94) Hexachlorobutadiene	16.04	225	401668	42.551	ug/l	97
95) Naphthalene	16.12	128	888941	48.284	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	487678	47.392	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :

MSVOA_D

ClientSampleId :

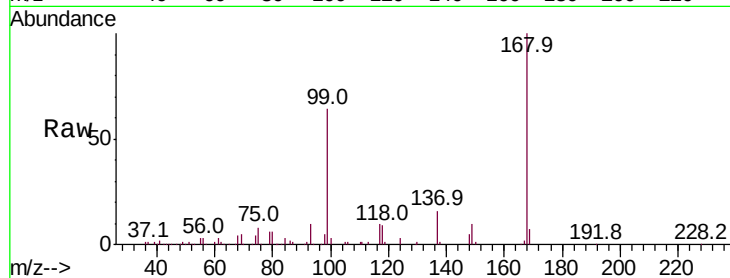
VSTDCCC050EC

Tot Ion:168 Resp: 783207

Ion Ratio Lower Upper

168 100

99 63.6 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

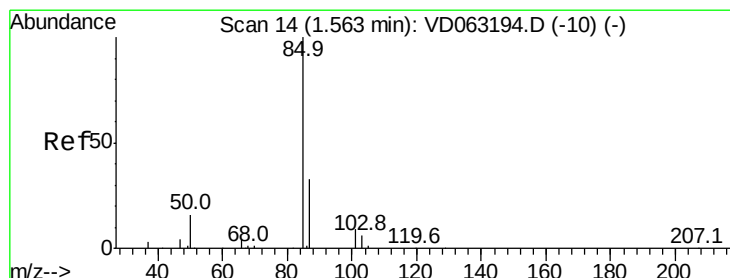
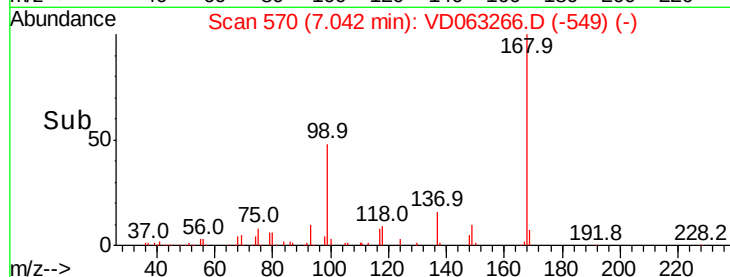
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 42.841 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.02 min

Lab File: VD063266.D

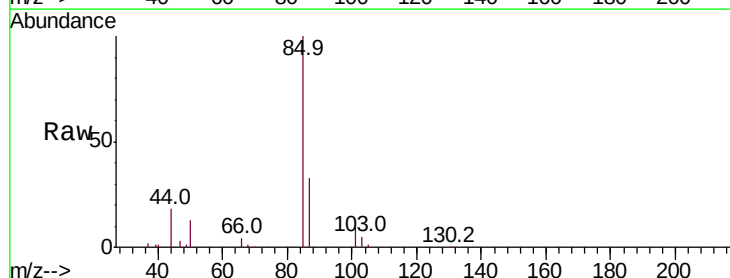
Acq: 31 Jul 2019 4:43

Tgt Ion: 85 Resp: 410145

Ion Ratio Lower Upper

85 100

87 32.9 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

200000

150000

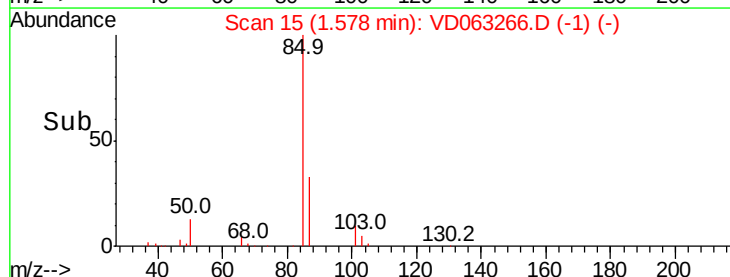
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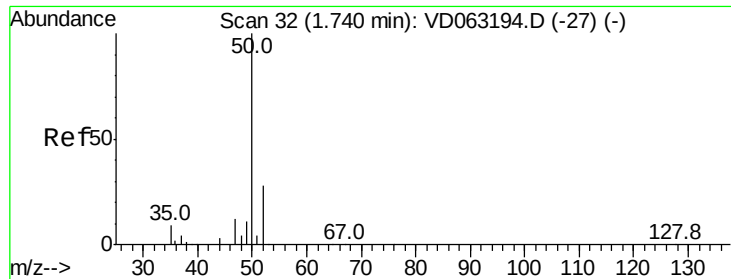
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 44.673 ug/l

RT: 1.75 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :

MSVOA_D

ClientSampleId :

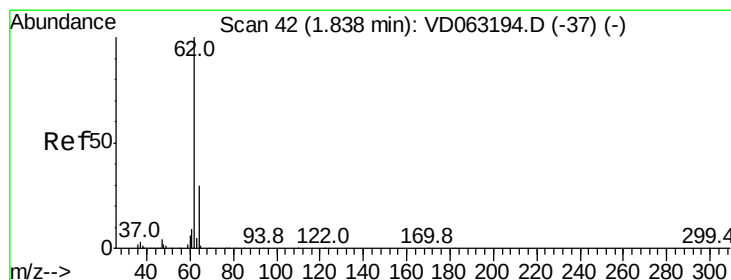
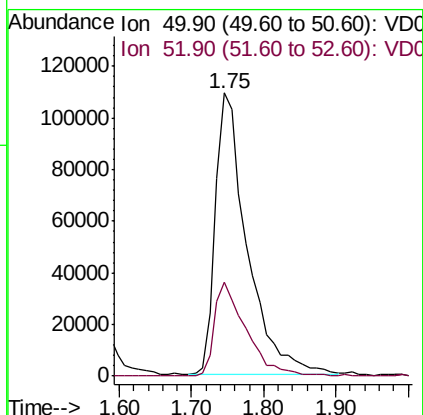
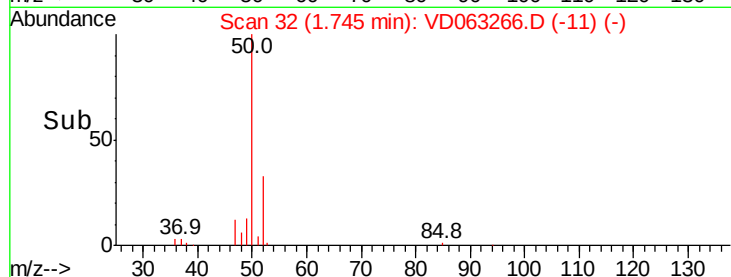
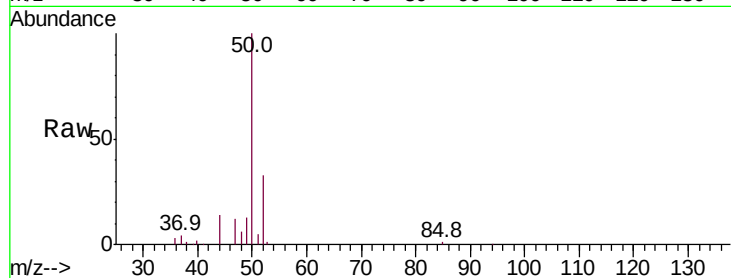
VSTDCCC050EC

Tot Ion: 50 Resp: 332285

Ion Ratio Lower Upper

50 100

52 33.1 22.6 34.0



#4

Vinyl Chloride

Concen: 43.304 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.01 min

Lab File: VD063266.D

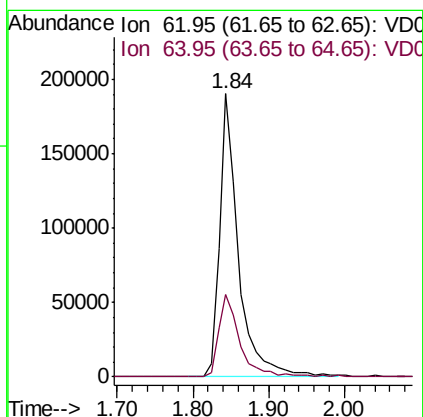
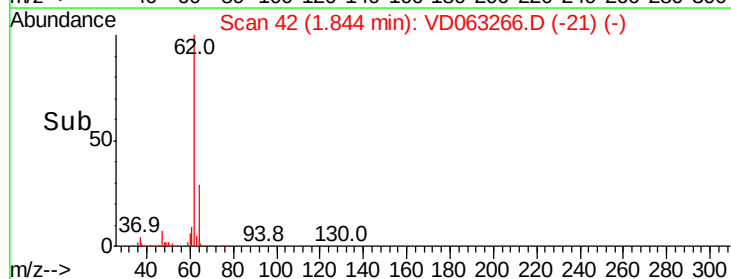
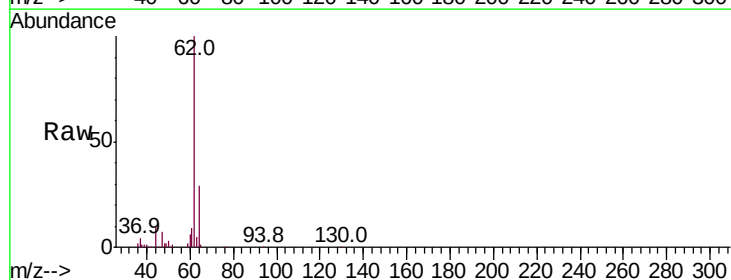
Acq: 31 Jul 2019 4:43

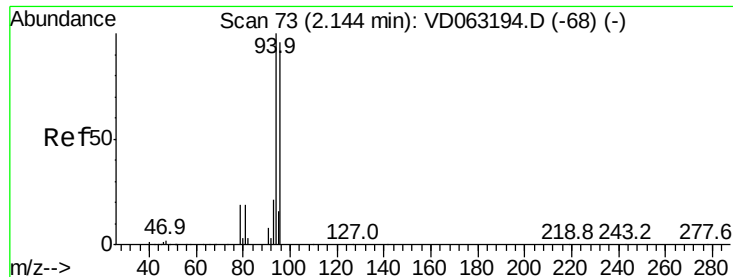
Tgt Ion: 62 Resp: 333451

Ion Ratio Lower Upper

62 100

64 29.3 24.1 36.1





#5

Bromomethane

Concen: 51.828 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

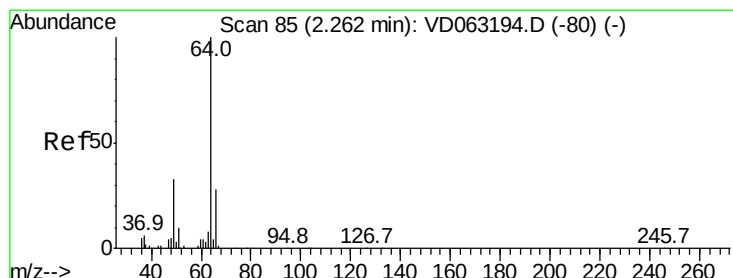
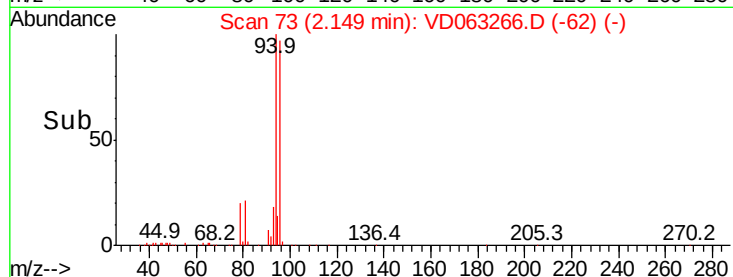
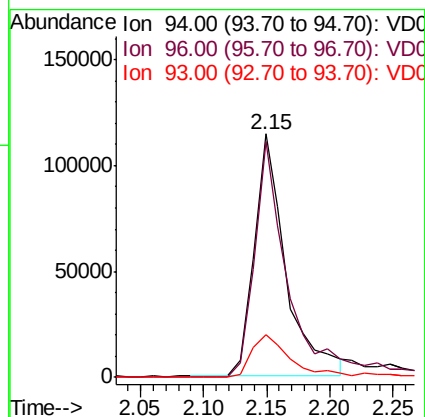
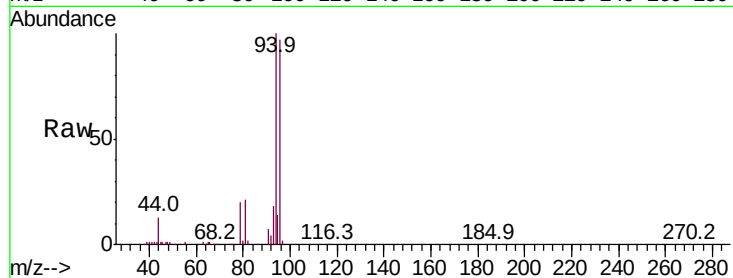
Tot Ion: 94 Resp: 201274

Ion Ratio Lower Upper

94 100

96 97.0 76.4 114.6

93 17.7 17.3 25.9



#6

Chloroethane

Concen: 48.269 ug/l

RT: 2.27 min Scan# 85

Delta R.T. 0.01 min

Lab File: VD063266.D

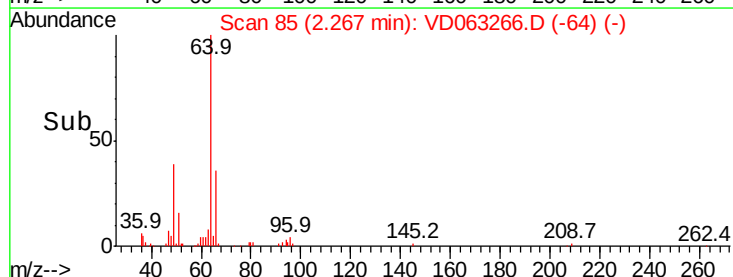
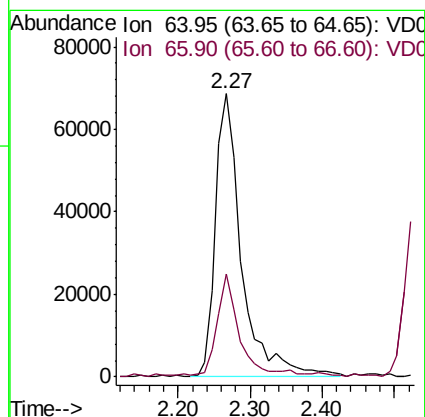
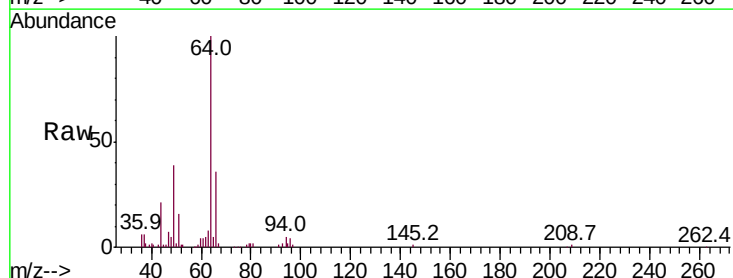
Acq: 31 Jul 2019 4:43

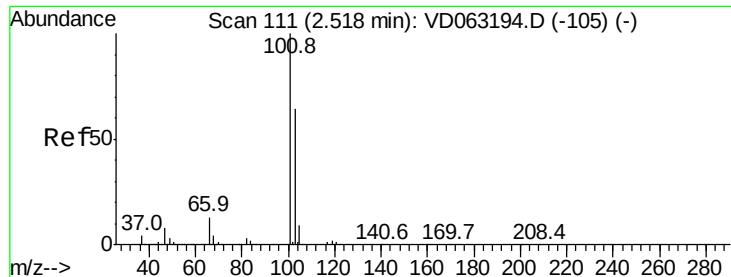
Tgt Ion: 64 Resp: 171603

Ion Ratio Lower Upper

64 100

66 36.4 22.2 33.2#



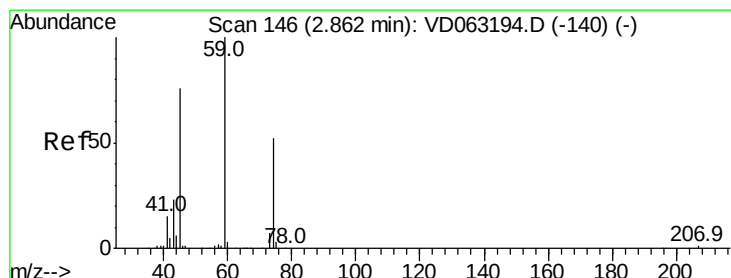
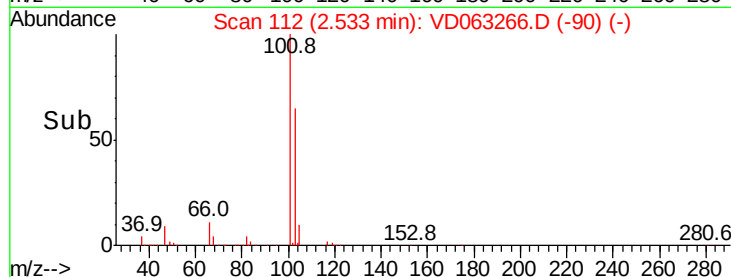
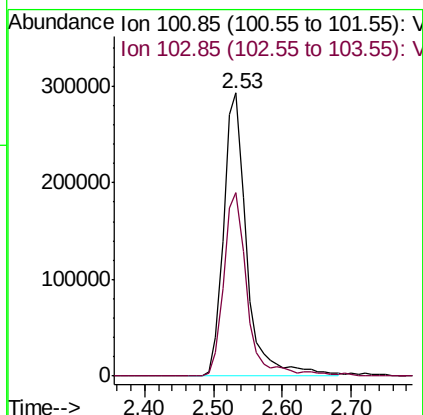
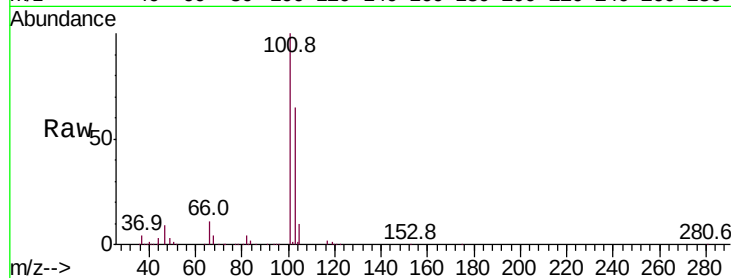


#7

Trichlorofluoromethane
 Concen: 45.579 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.02 min
 Lab File: VD063266.D
 Acq: 31 Jul 2019 4:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

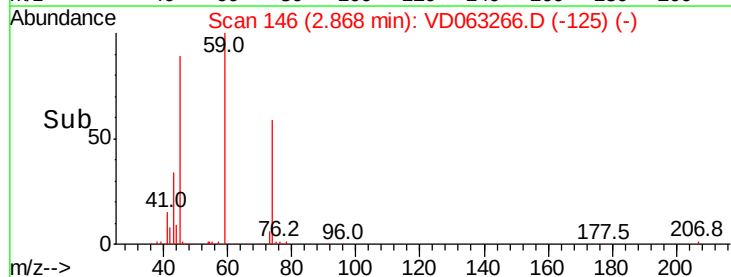
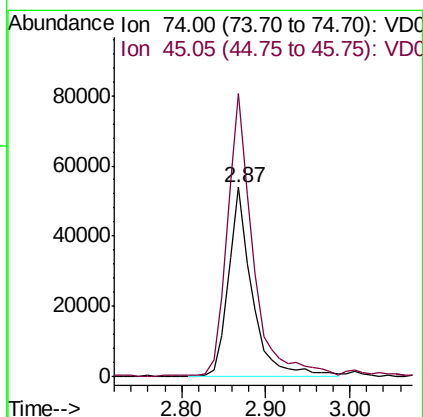
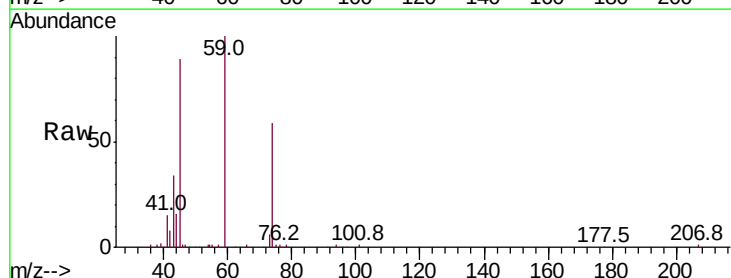
Tot Ion:101 Resp: 680874
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.5 77.3

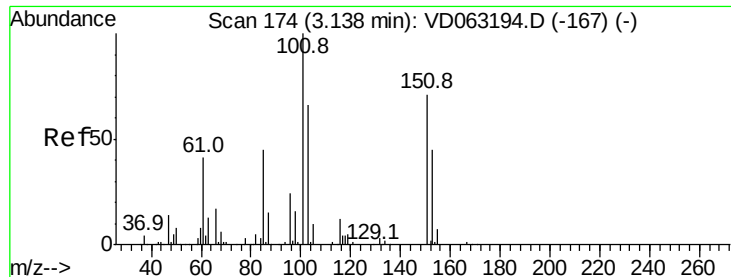


#8

Diethyl Ether
 Concen: 50.636 ug/l
 RT: 2.87 min Scan# 146
 Delta R.T. 0.01 min
 Lab File: VD063266.D
 Acq: 31 Jul 2019 4:43

Tgt Ion: 74 Resp: 105864
 Ion Ratio Lower Upper
 74 100
 45 149.3 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.259 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.01 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

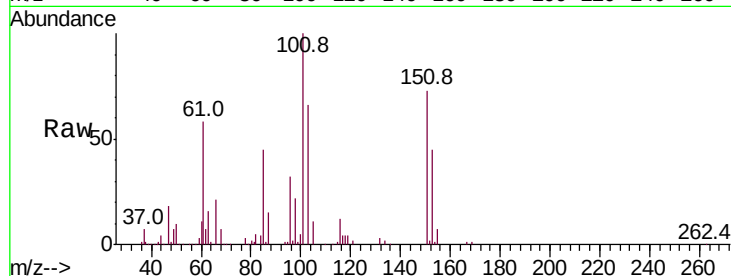
Tot Ion:101 Resp: 382784

Ion Ratio Lower Upper

101 100

85 45.2 36.1 54.1

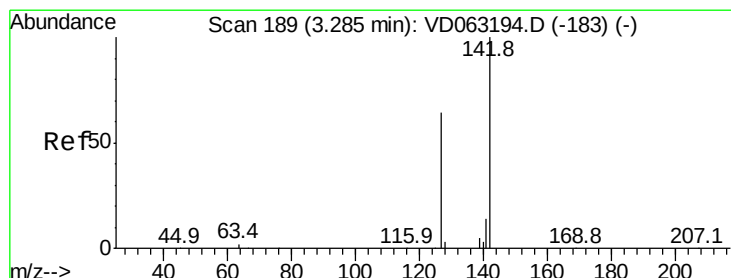
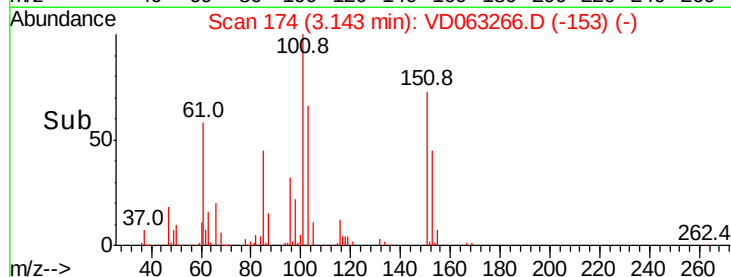
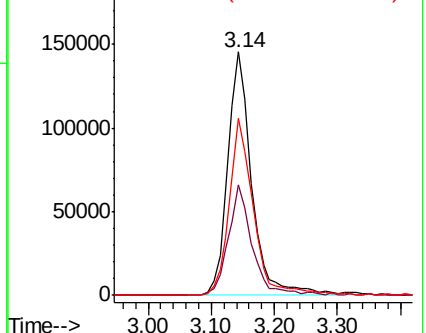
151 72.8 57.1 85.7



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: 49.466 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.02 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

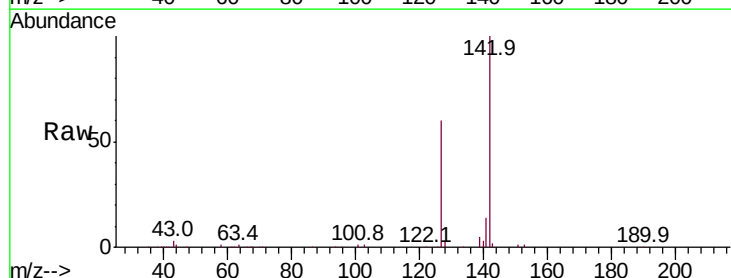
Tgt Ion:142 Resp: 591315

Ion Ratio Lower Upper

142 100

127 60.1 50.8 76.2

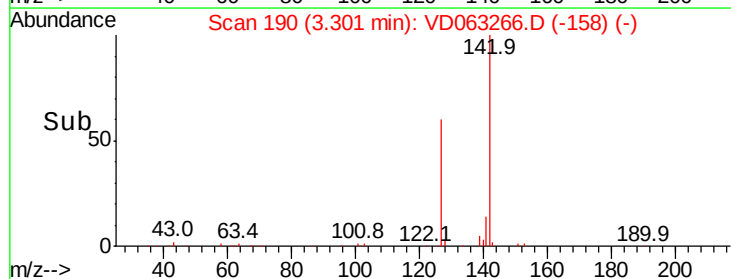
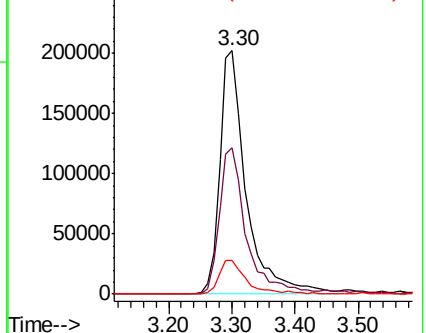
141 13.8 11.4 17.2

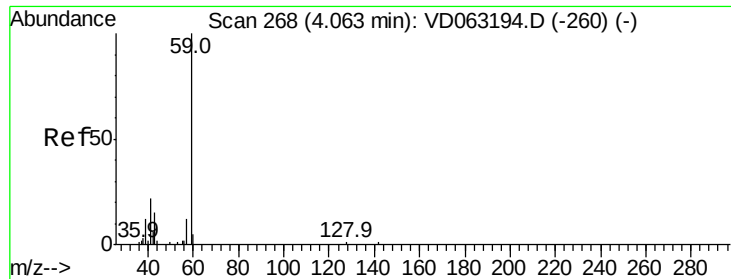


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



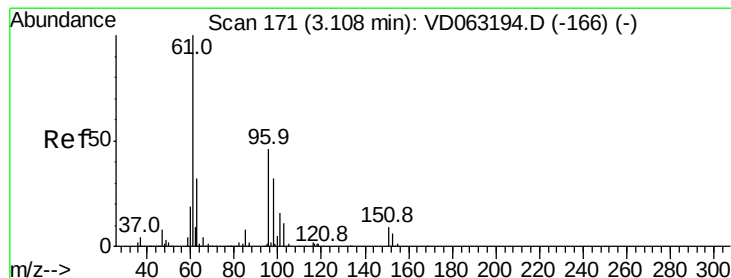
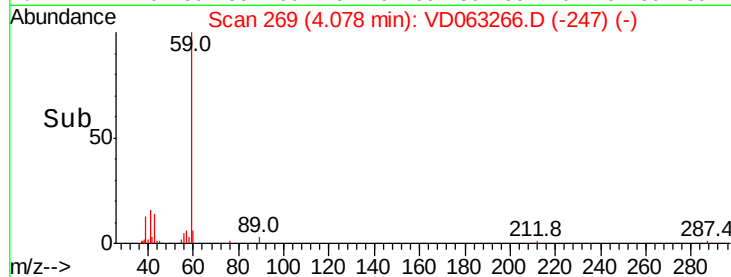
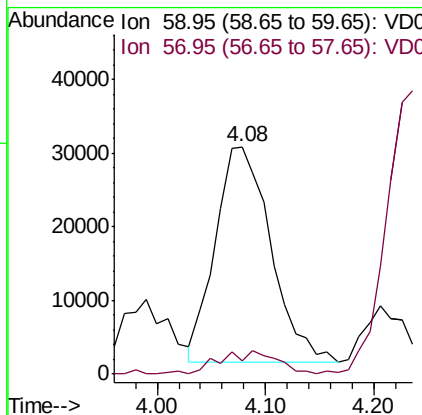
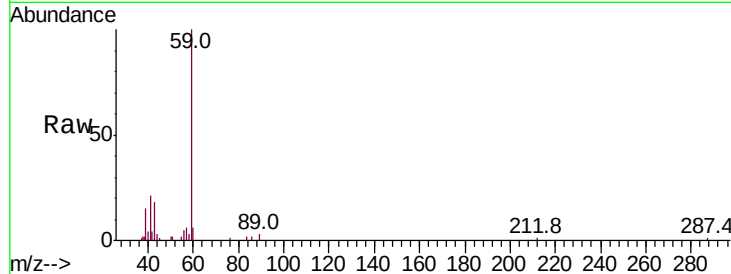


#11

Tert butyl alcohol
 Concen: 274.221 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. 0.02 min
 Lab File: VD063266.D
 Acq: 31 Jul 2019 4:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

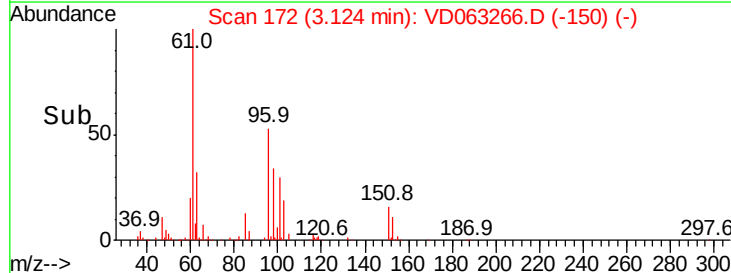
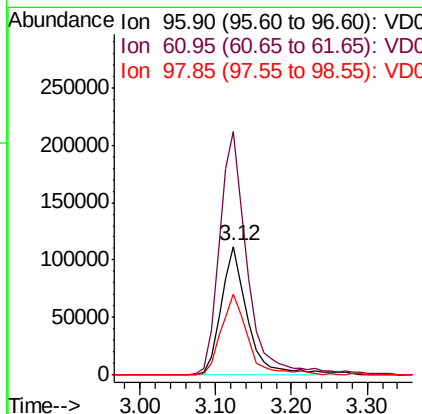
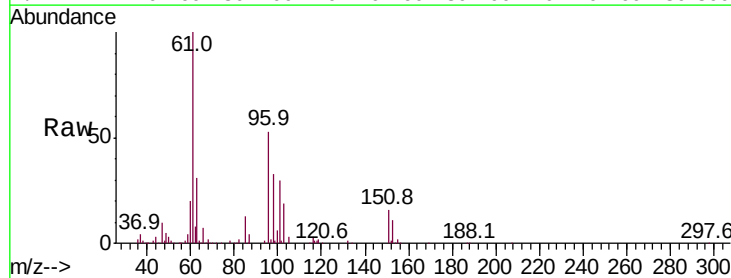
Tot Ion: 59 Resp: 104582
 Ion Ratio Lower Upper
 59 100
 57 5.7 9.6 14.4#

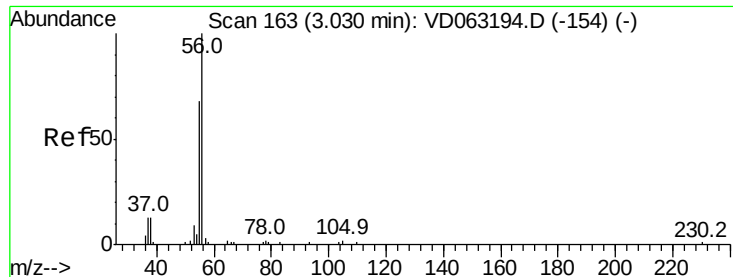


#12

1,1-Dichloroethene
 Concen: 44.998 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. 0.02 min
 Lab File: VD063266.D
 Acq: 31 Jul 2019 4:43

Tgt Ion: 96 Resp: 273354
 Ion Ratio Lower Upper
 96 100
 61 189.0 173.7 260.5
 98 63.3 55.8 83.8





#13

Acrolein

Concen: 206.460 ug/l

RT: 3.03 min Scan# 162

Delta R.T. -0.00 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :

MSVOA_D

ClientSampleId :

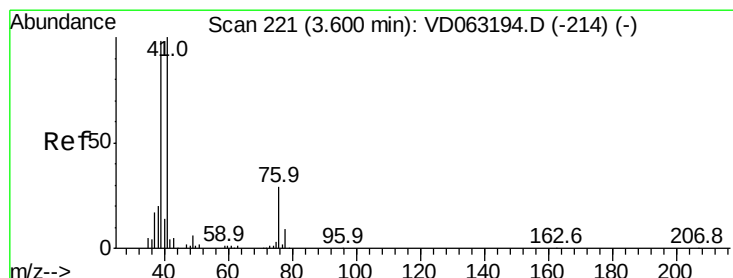
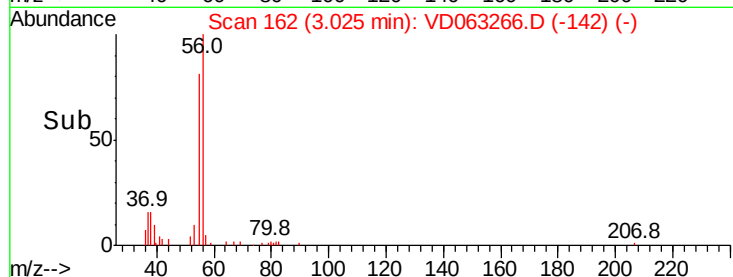
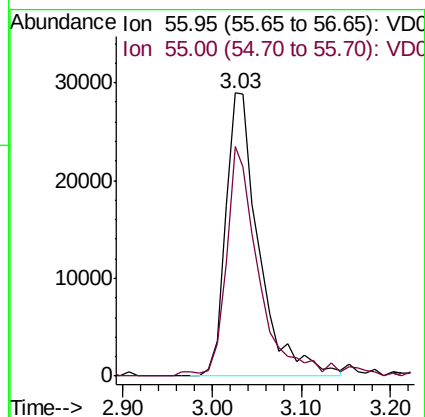
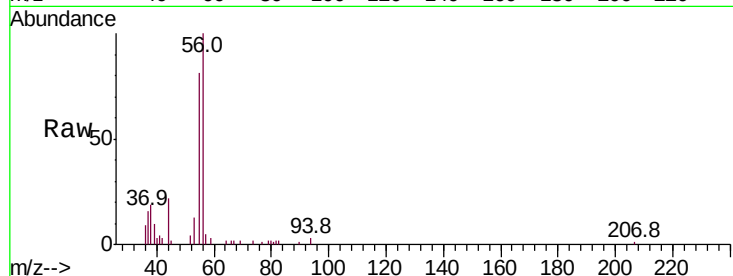
VSTDCCC050EC

Tot Ion: 56 Resp: 75779

Ion Ratio Lower Upper

56 100

55 81.1 55.3 82.9



#14

Allyl chloride

Concen: 47.833 ug/l

RT: 3.62 min Scan# 222

Delta R.T. 0.02 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

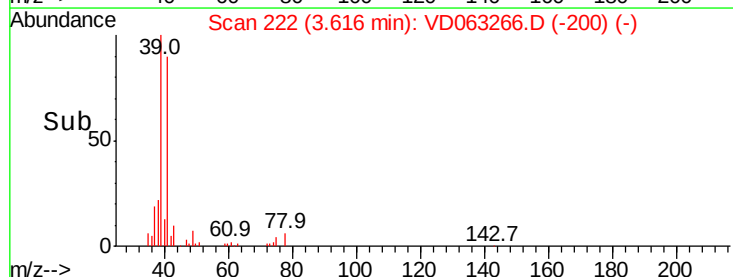
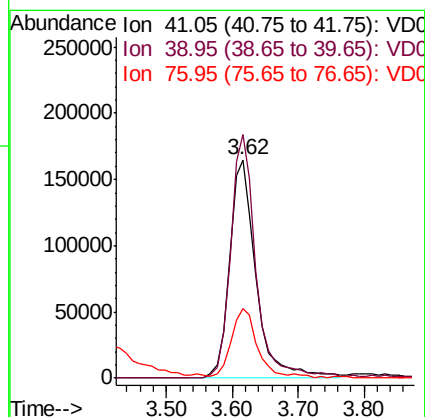
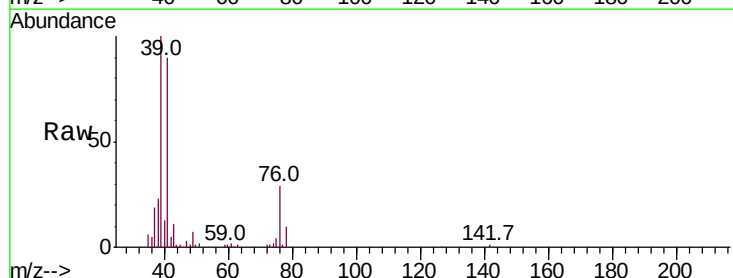
Tgt Ion: 41 Resp: 462901

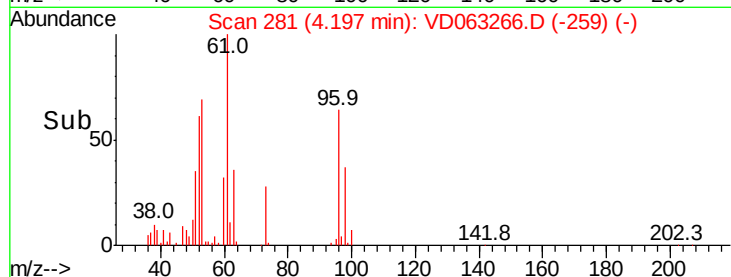
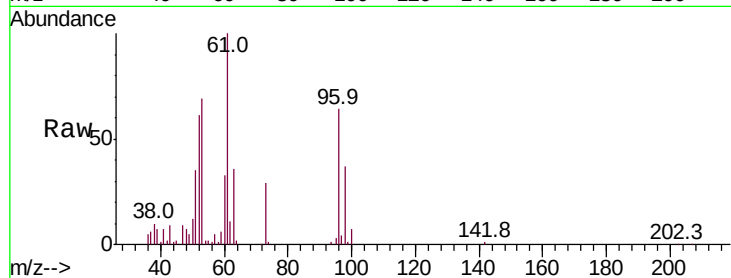
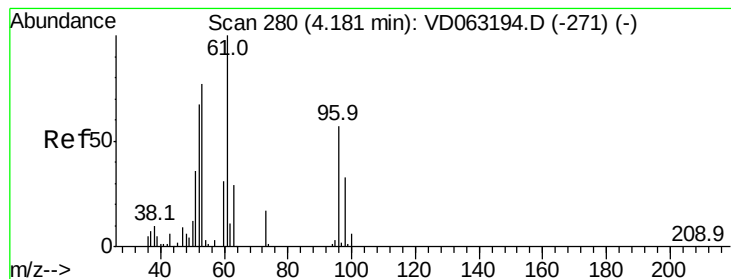
Ion Ratio Lower Upper

41 100

39 111.7 78.6 117.8

76 31.8 24.5 36.7





#15

Acrylonitrile

Concen: 268.864 ug/l

RT: 4.20 min Scan# 281

Delta R.T. 0.02 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

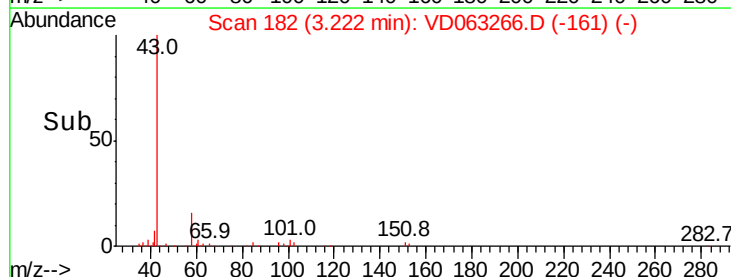
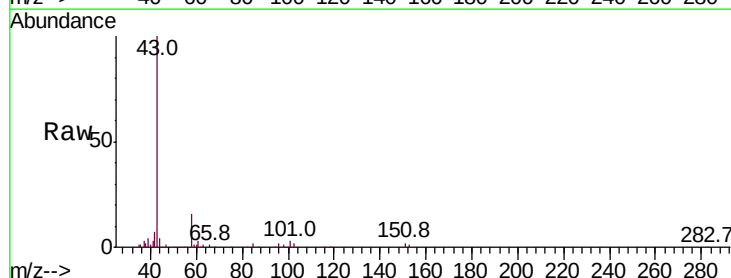
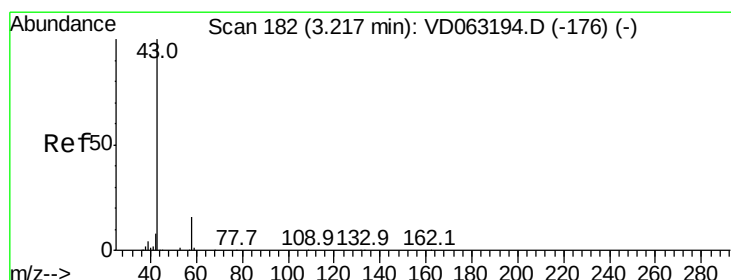
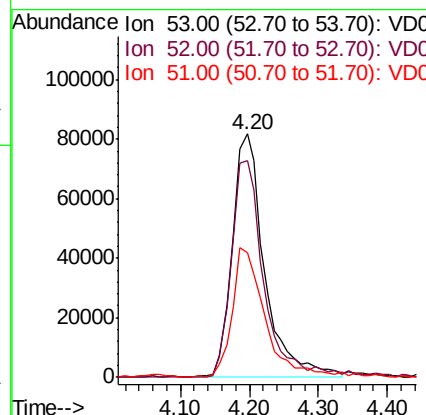
Tot Ion: 53 Resp: 265840

Ion Ratio Lower Upper

53 100

52 88.9 69.7 104.5

51 51.2 37.4 56.0



#16

Acetone

Concen: 253.595 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD063266.D

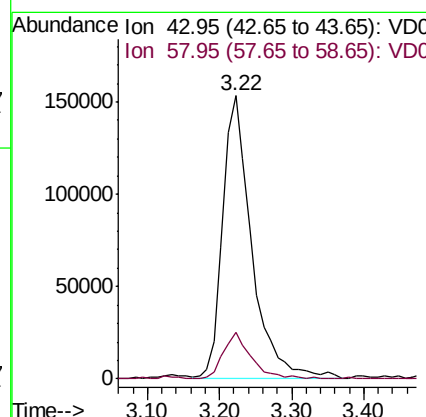
Acq: 31 Jul 2019 4:43

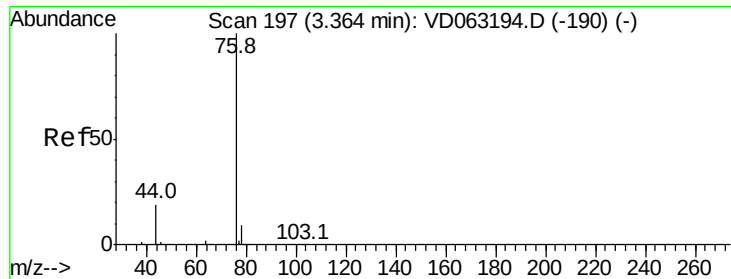
Tgt Ion: 43 Resp: 429396

Ion Ratio Lower Upper

43 100

58 16.5 13.0 19.4





#17

Carbon Disulfide

Concen: 46.404 ug/l

RT: 3.37 min Scan# 197

Delta R.T. 0.01 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :

MSVOA_D

ClientSampleId :

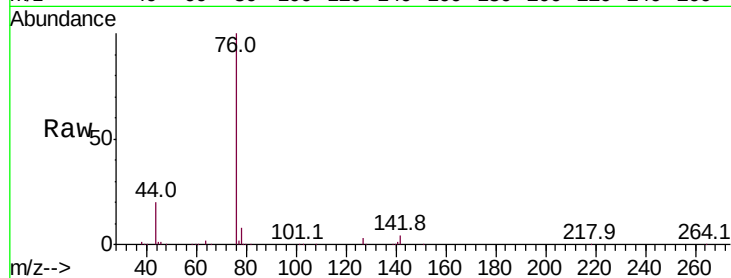
VSTDCCC050EC

Tot Ion: 76 Resp: 943538

Ion Ratio Lower Upper

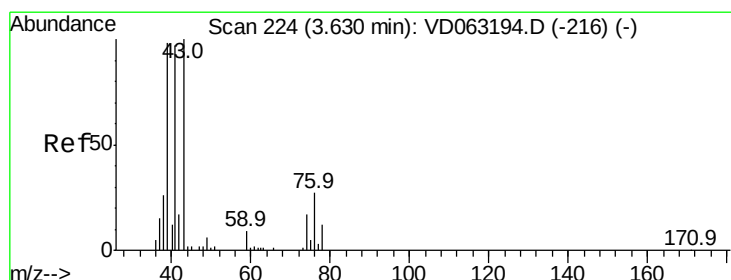
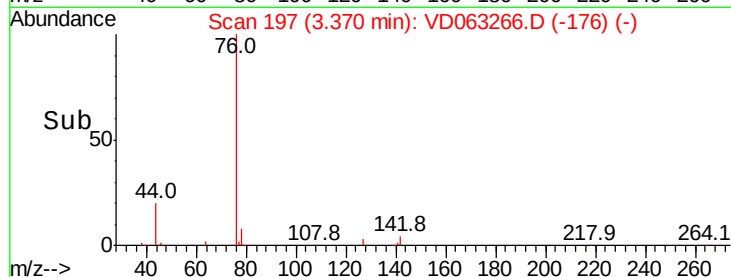
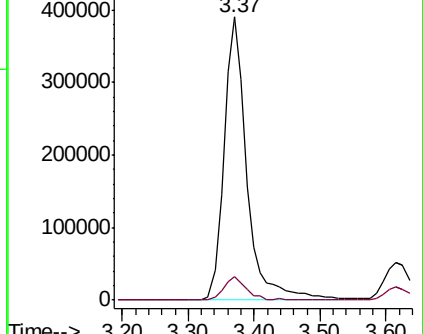
76 100

78 8.2 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 61.506 ug/l

RT: 3.65 min Scan# 225

Delta R.T. 0.02 min

Lab File: VD063266.D

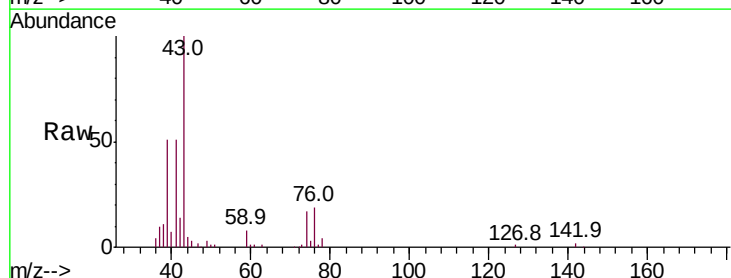
Acq: 31 Jul 2019 4:43

Tgt Ion: 43 Resp: 200042

Ion Ratio Lower Upper

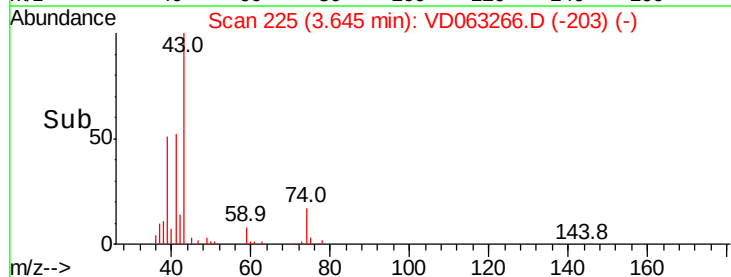
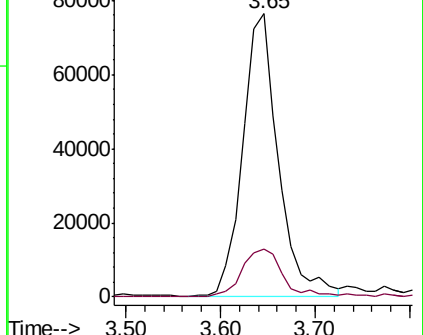
43 100

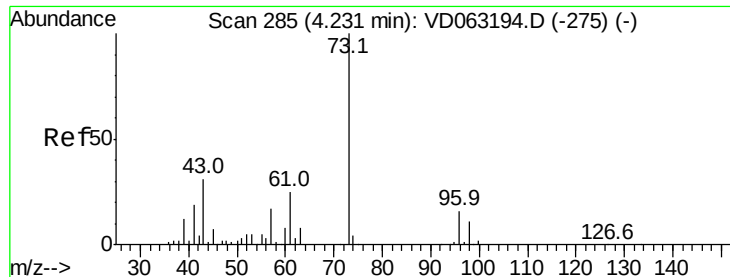
74 17.1 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



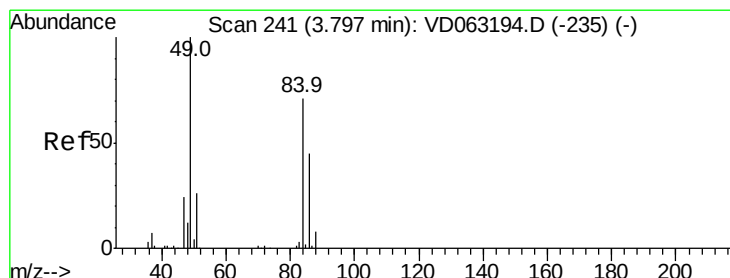
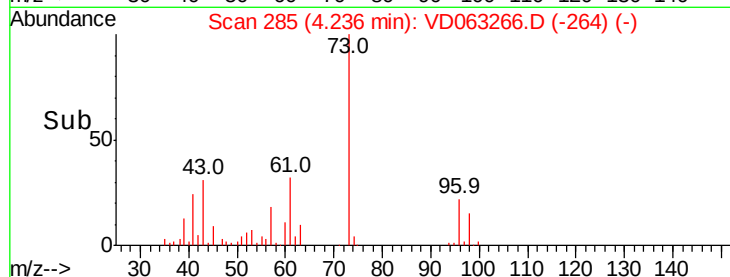
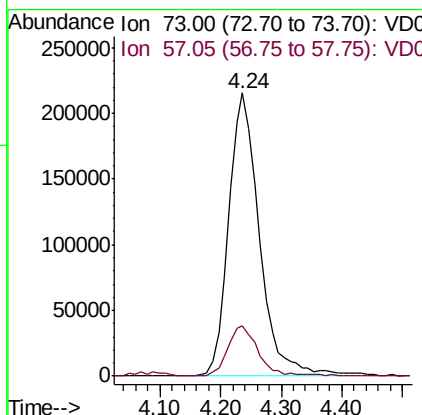
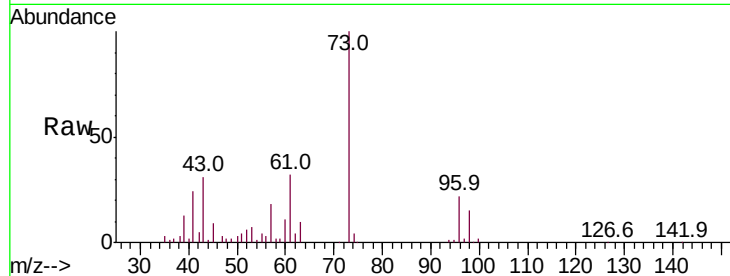


#19

Methyl tert-butyl Ether
 Concen: 55.163 ug/l
 RT: 4.24 min Scan# 285
 Delta R.T. 0.01 min
 Lab File: VD063266.D
 Acq: 31 Jul 2019 4:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

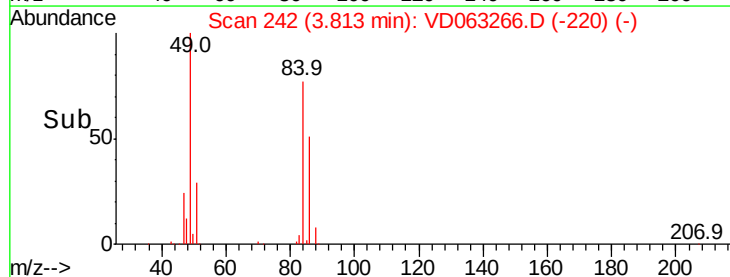
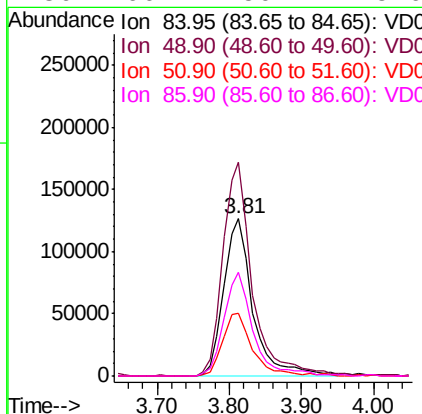
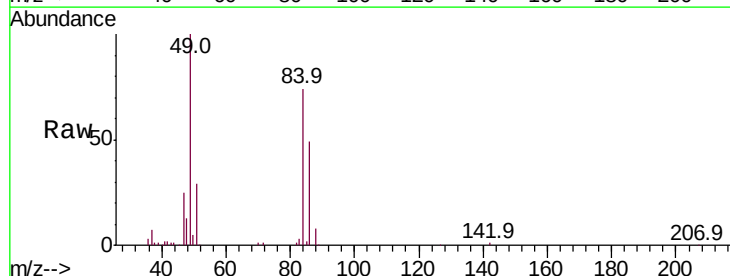
Tot Ion: 73 Resp: 756965
 Ion Ratio Lower Upper
 73 100
 57 17.9 13.8 20.6

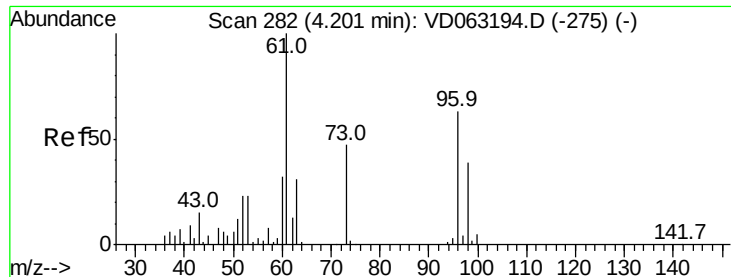


#20

Methylene Chloride
 Concen: 51.779 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. 0.02 min
 Lab File: VD063266.D
 Acq: 31 Jul 2019 4:43

Tgt Ion: 84 Resp: 354387
 Ion Ratio Lower Upper
 84 100
 49 135.9 112.5 168.7
 51 40.0 29.6 44.4
 86 66.2 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 48.625 ug/l

RT: 4.22 min Scan# 283

Delta R.T. 0.02 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

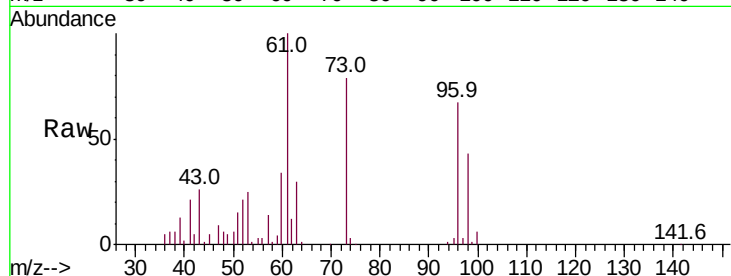
Tot Ion: 96 Resp: 331439

Ion Ratio Lower Upper

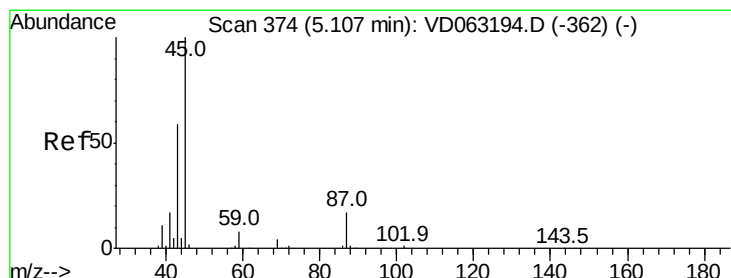
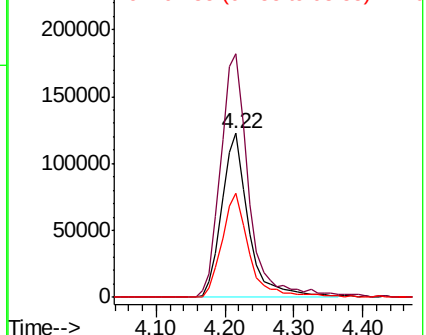
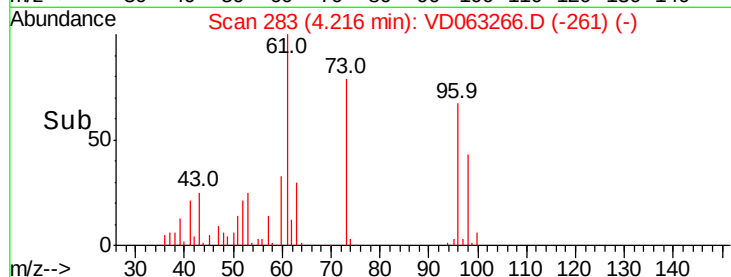
96 100

61 148.7 127.4 191.2

98 63.3 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: 53.338 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.02 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Tgt Ion: 45 Resp: 1031264

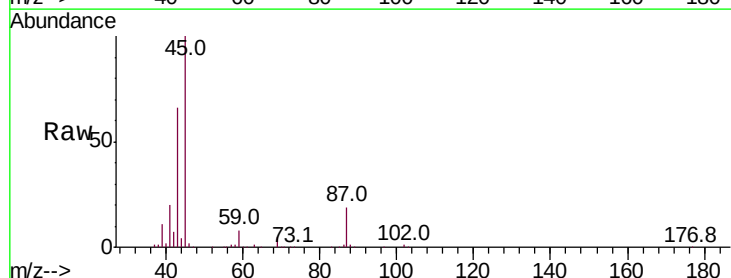
Ion Ratio Lower Upper

45 100

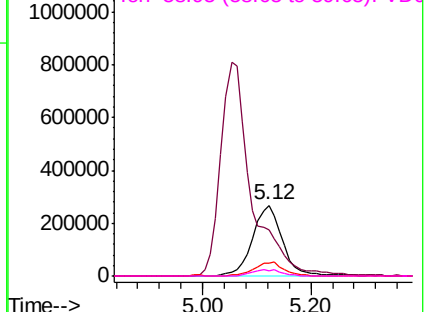
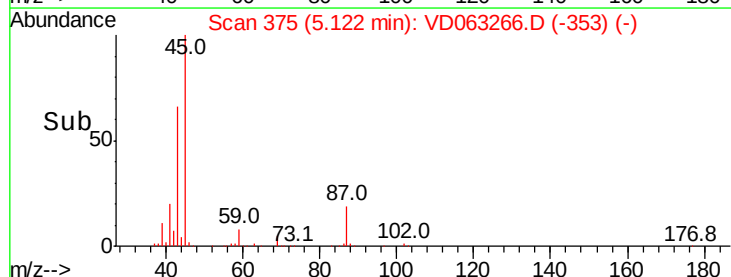
43 65.5 51.7 77.5

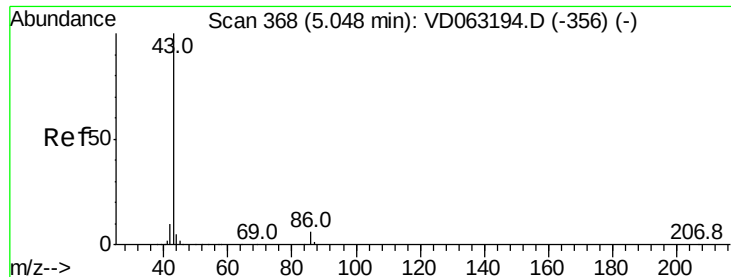
87 18.6 14.6 21.8

59 8.0 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: 265.375 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :

MSVOA_D

ClientSampleId :

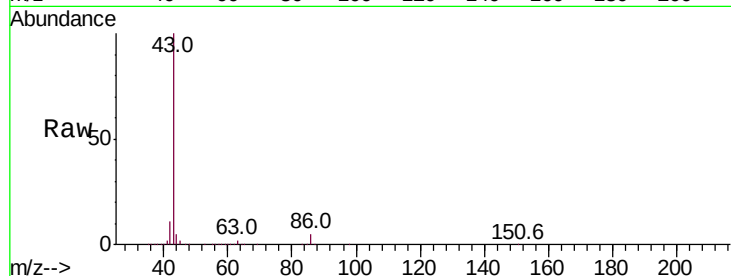
VSTDCCC050EC

Tot Ion: 43 Resp: 3153973

Ion Ratio Lower Upper

43 100

86 5.4 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

800000

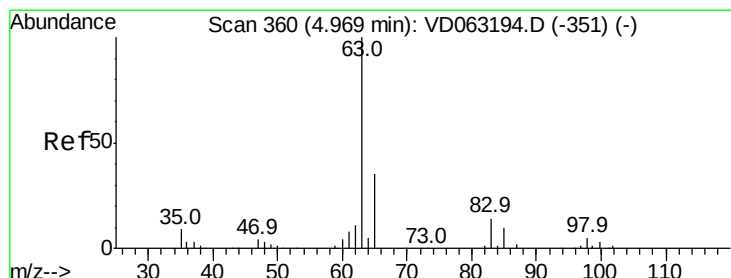
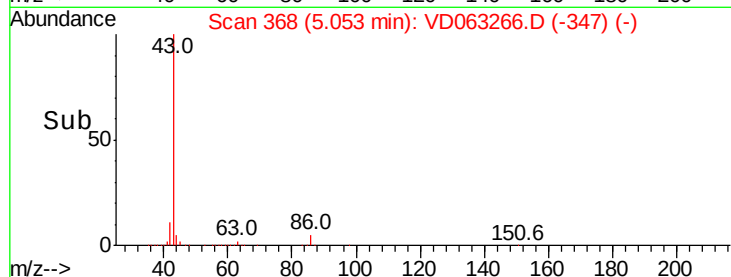
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.840 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.02 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

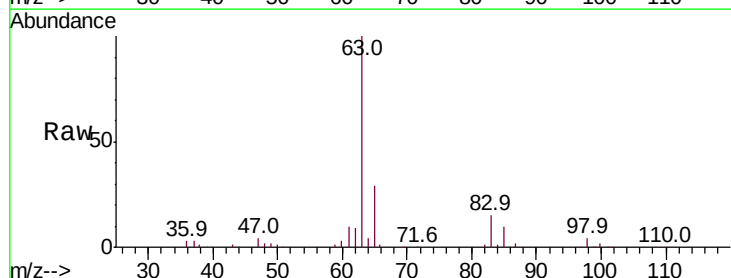
Tgt Ion: 63 Resp: 640218

Ion Ratio Lower Upper

63 100

98 4.4 2.8 8.4

100 2.4 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

250000

200000

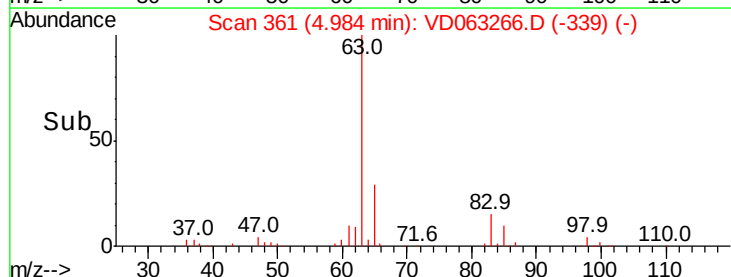
150000

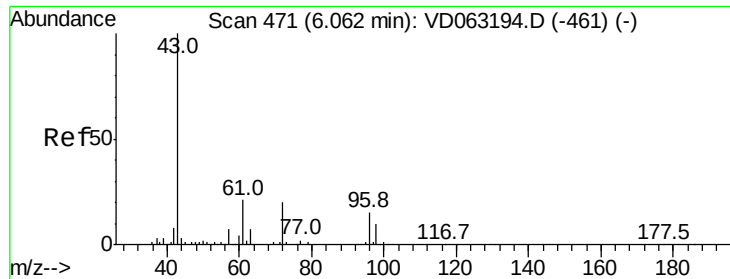
100000

50000

0

Time-->





#25

2-Butanone

Concen: 283.857 ug/l

RT: 6.07 min Scan# 471

Delta R.T. 0.01 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :

MSVOA_D

ClientSampleId :

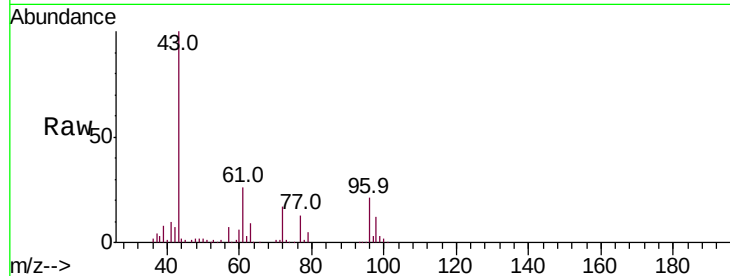
VSTDCCC050EC

Tot Ion: 43 Resp: 482360

Ion Ratio Lower Upper

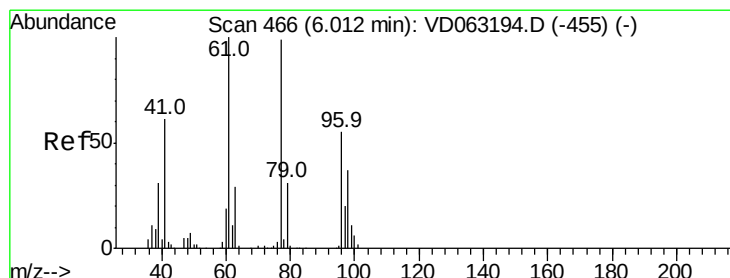
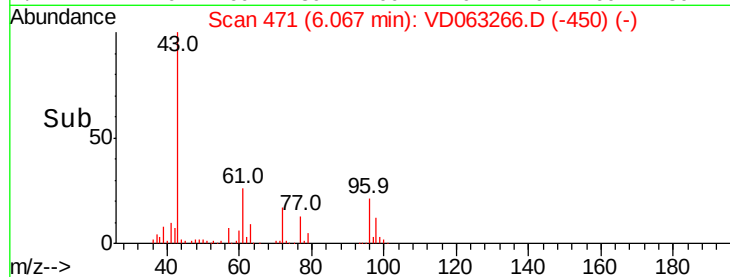
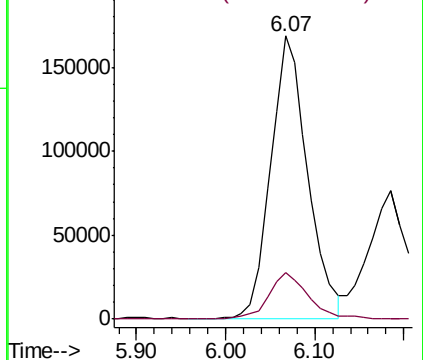
43 100

72 16.5 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 45.634 ug/l

RT: 6.02 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD063266.D

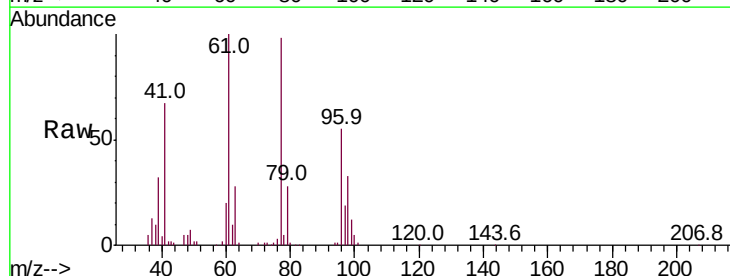
Acq: 31 Jul 2019 4:43

Tgt Ion: 77 Resp: 580792

Ion Ratio Lower Upper

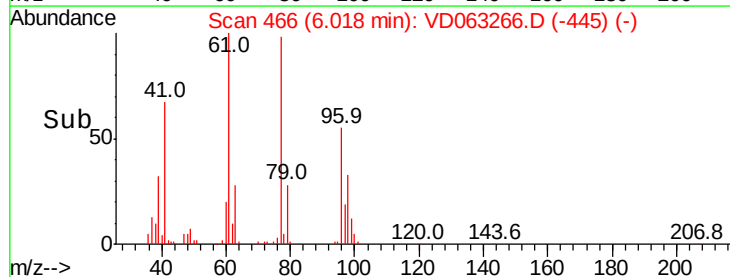
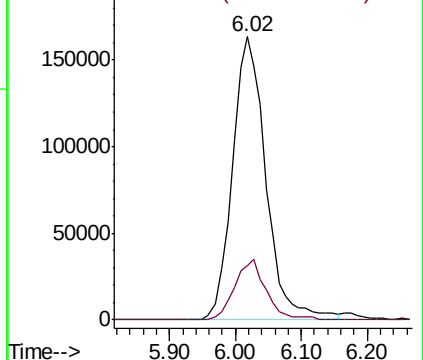
77 100

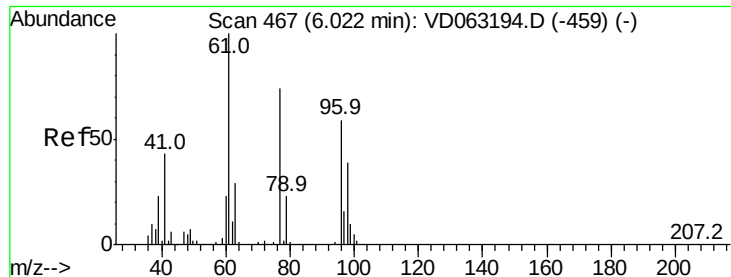
97 19.3 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 53.790 ug/l

RT: 6.04 min Scan# 468

Delta R.T. 0.02 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

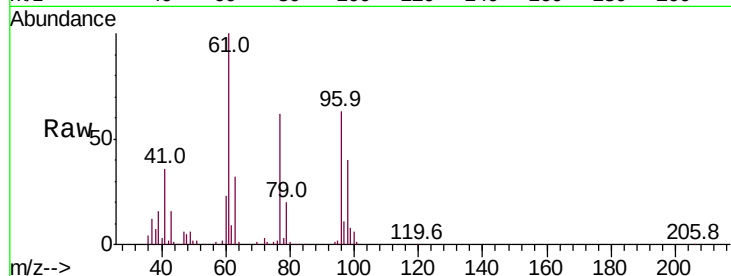
Tot Ion: 96 Resp: 393099

Ion Ratio Lower Upper

96 100

61 158.6 0.0 337.2

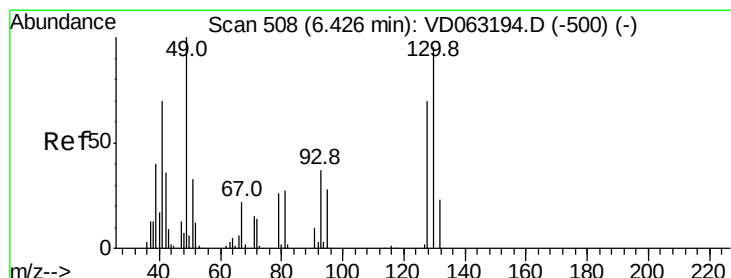
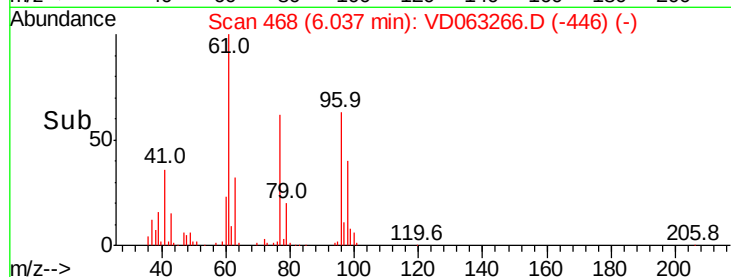
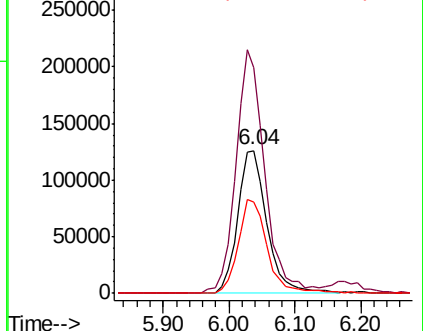
98 63.7 0.0 130.6



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



#28

Bromochloromethane

Concen: 59.277 ug/l

RT: 6.44 min Scan# 509

Delta R.T. 0.02 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

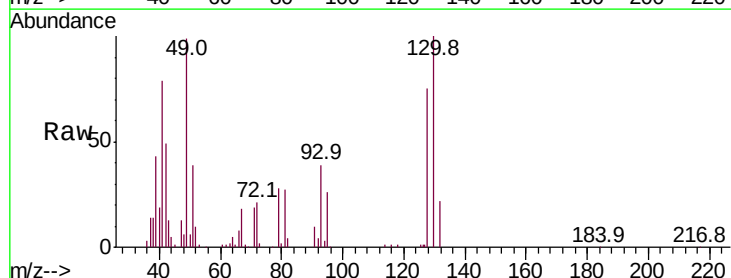
Tgt Ion: 49 Resp: 291678

Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.0

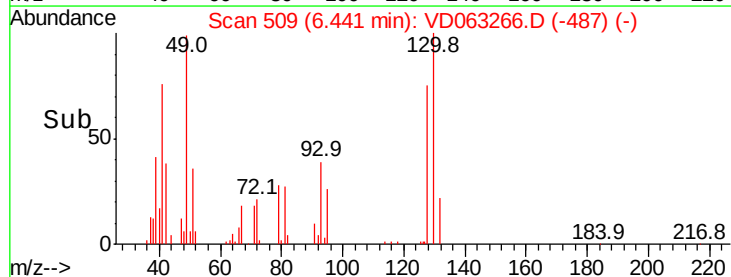
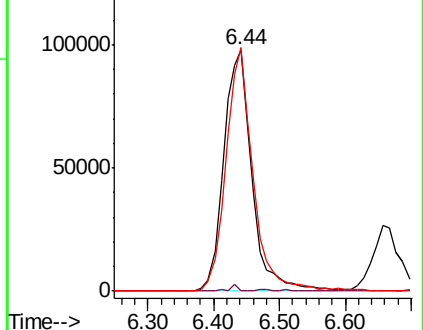
130 100.9 75.7 113.5

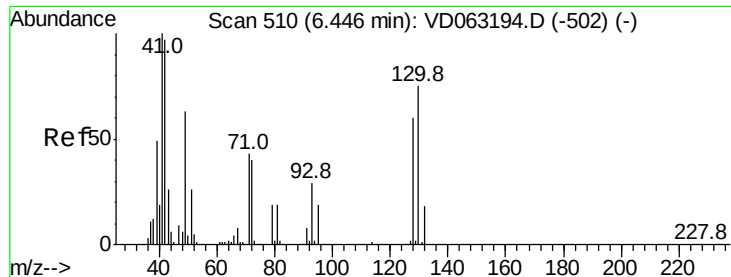


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 279.157 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.02 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

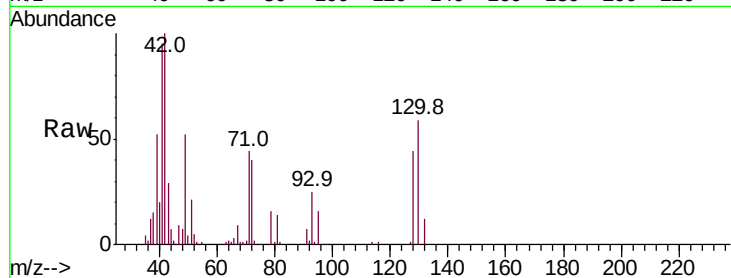
Tot Ion: 42 Resp: 224591

Ion Ratio Lower Upper

42 100

72 43.9 33.4 50.2

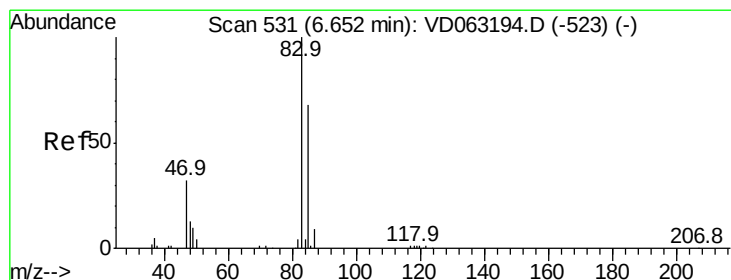
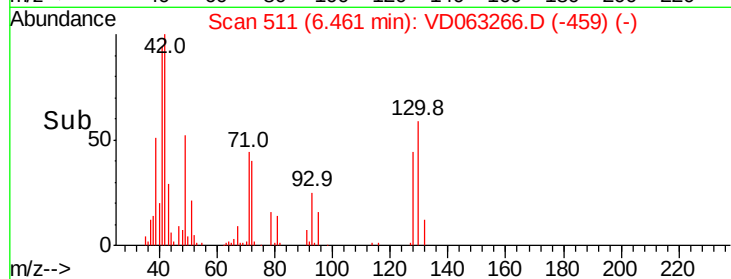
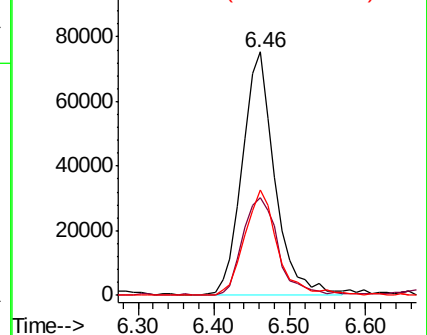
71 44.1 35.7 53.5



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 54.361 ug/l

RT: 6.67 min Scan# 532

Delta R.T. 0.02 min

Lab File: VD063266.D

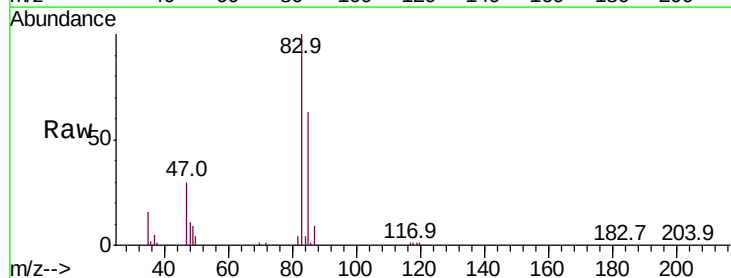
Acq: 31 Jul 2019 4:43

Tgt Ion: 83 Resp: 833163

Ion Ratio Lower Upper

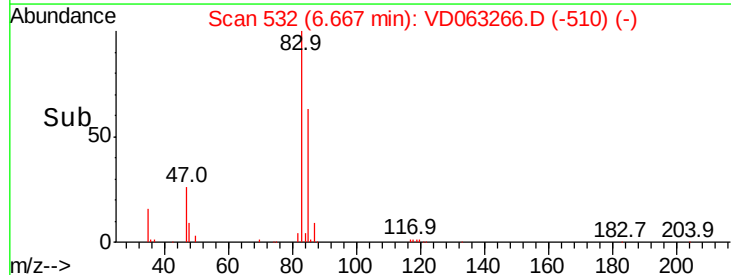
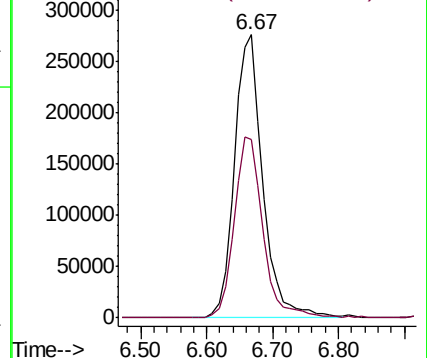
83 100

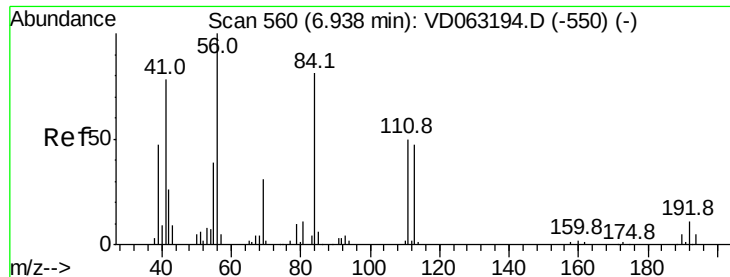
85 63.1 54.2 81.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

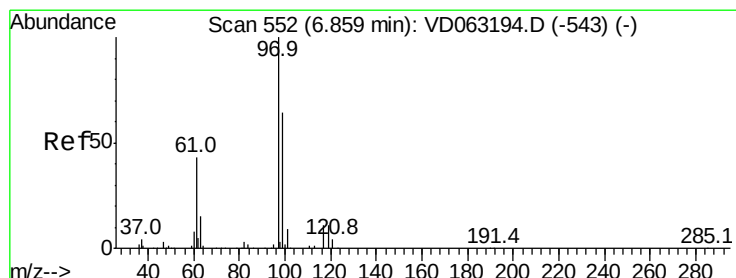
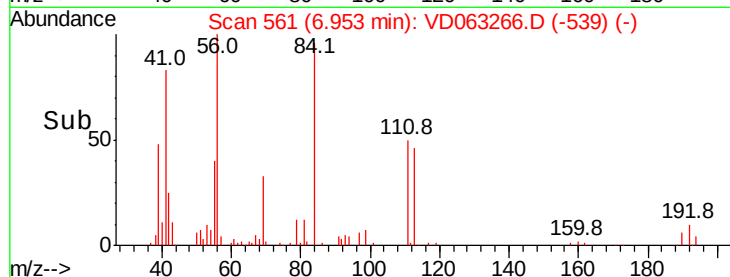
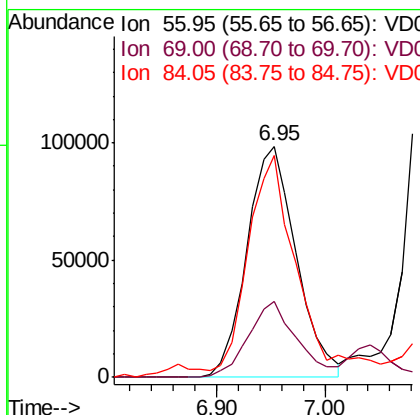
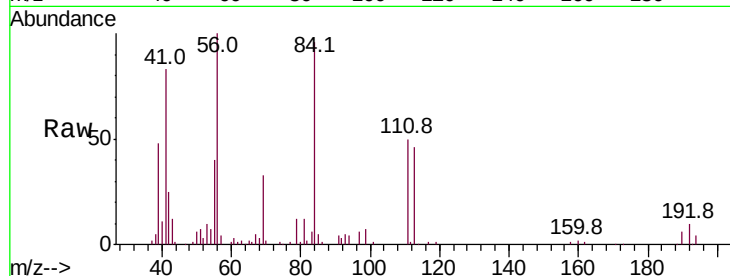




#31
Cyclohexane
Concen: 40.253 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.02 min
Lab File: VD063266.D
Acq: 31 Jul 2019 4:43

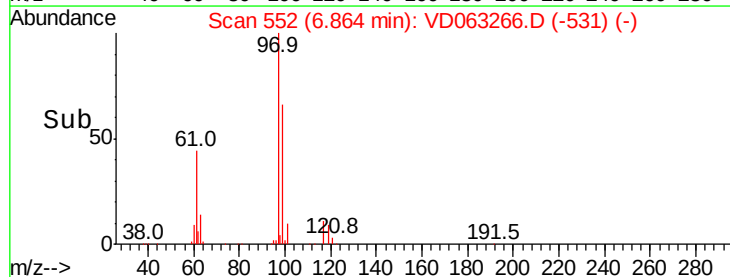
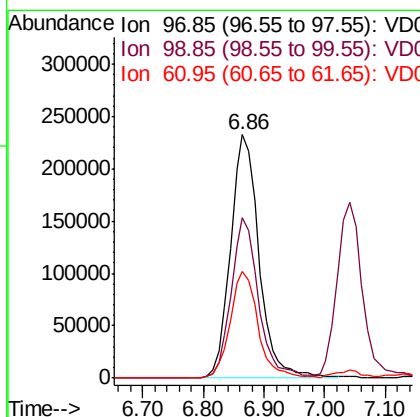
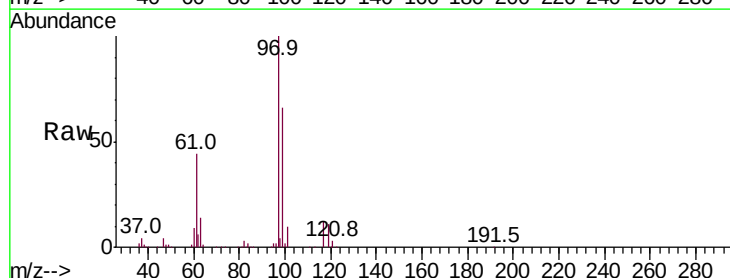
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

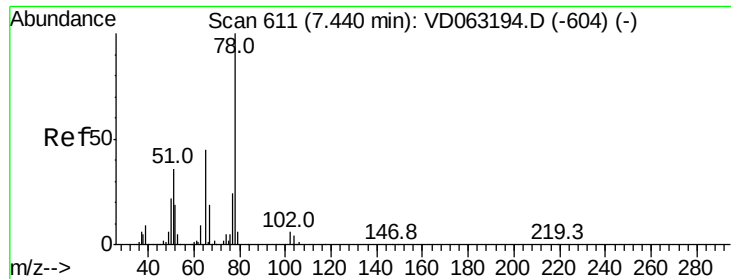
Tot Ion: 56 Resp: 311603
Ion Ratio Lower Upper
56 100
69 33.0 24.5 36.7
84 95.7 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 51.282 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.01 min
Lab File: VD063266.D
Acq: 31 Jul 2019 4:43

Tgt Ion: 97 Resp: 760244
Ion Ratio Lower Upper
97 100
99 65.8 51.2 76.8
61 43.9 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 63.606 ug/l

RT: 7.46 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :

MSVOA_D

ClientSampleId :

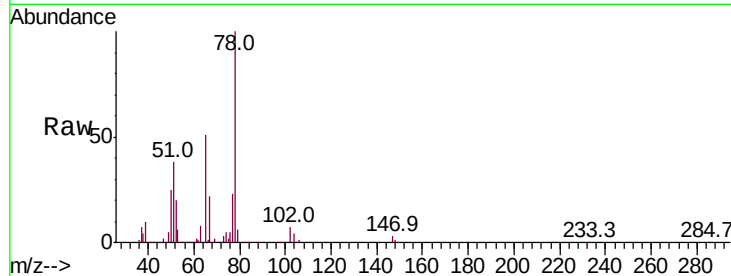
VSTDCCC050EC

Tot Ion: 65 Resp: 552762

Ion Ratio Lower Upper

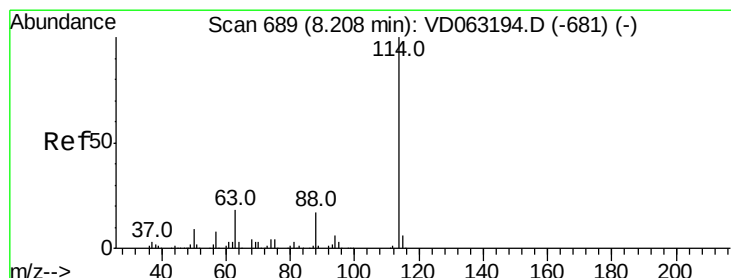
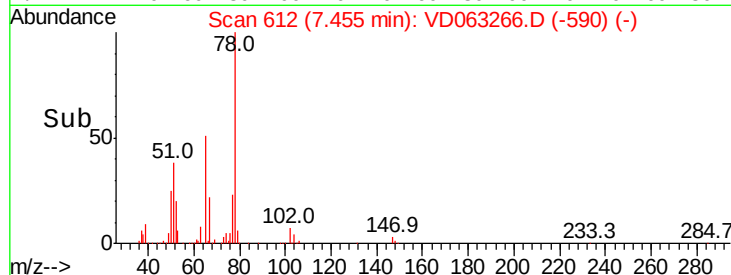
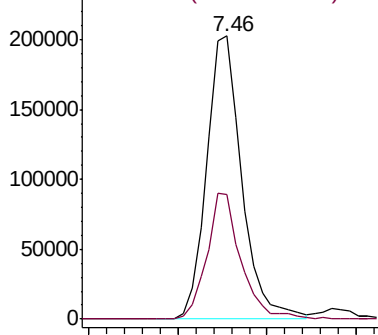
65 100

67 44.0 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.01 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

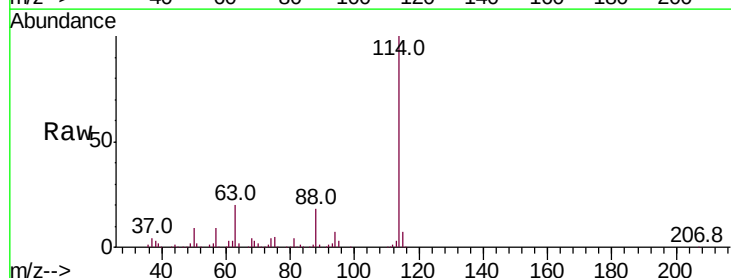
Tgt Ion: 114 Resp: 1154269

Ion Ratio Lower Upper

114 100

63 20.3 0.0 35.2

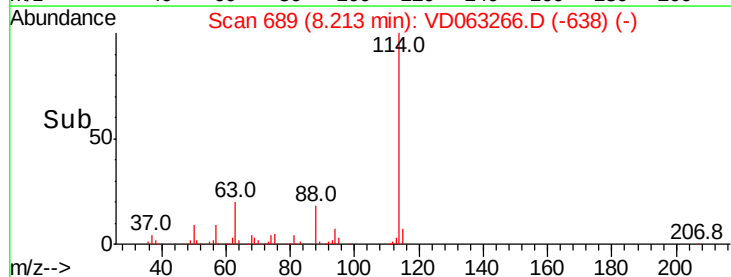
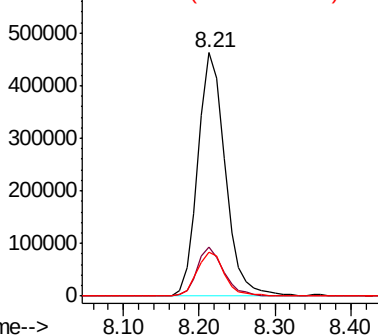
88 18.1 0.0 34.6

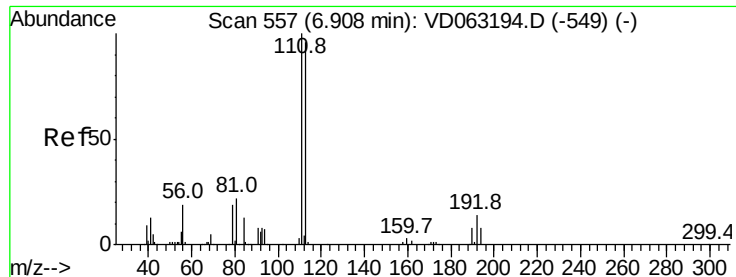


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

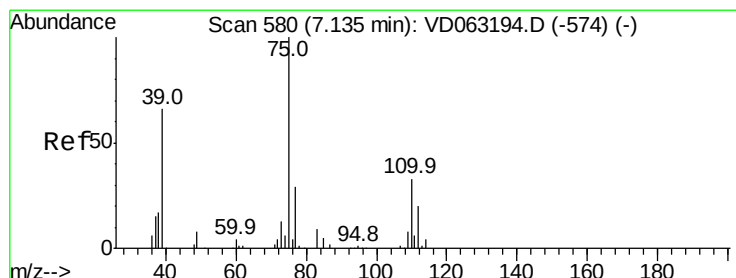
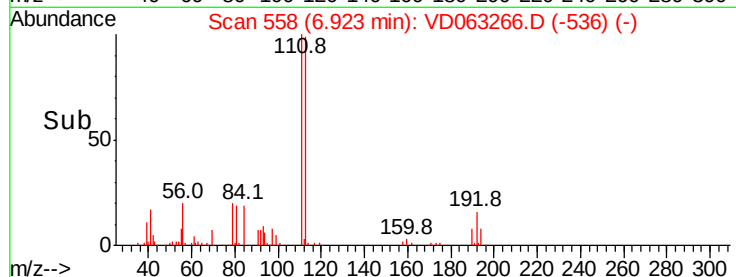
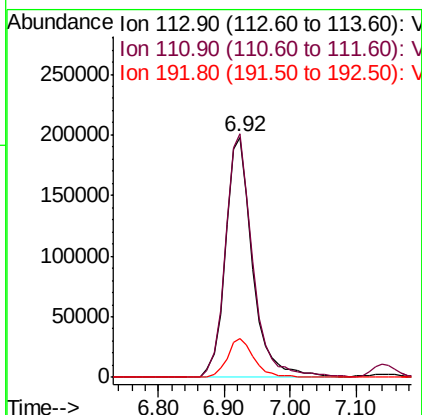
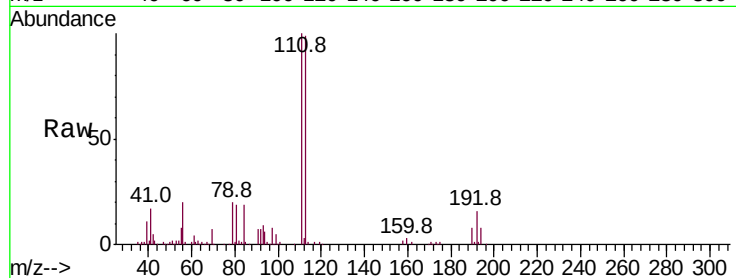




#35
 Dibromofluoromethane
 Concen: 57.514 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.02 min
 Lab File: VD063266.D
 Acq: 31 Jul 2019 4:43

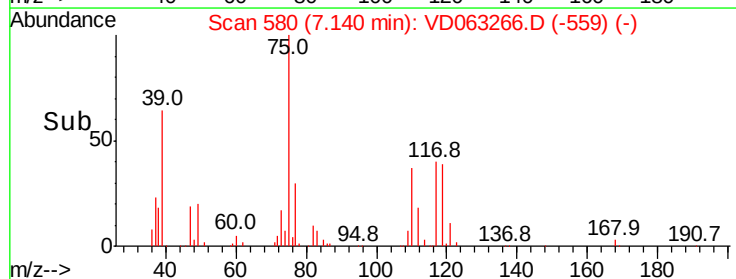
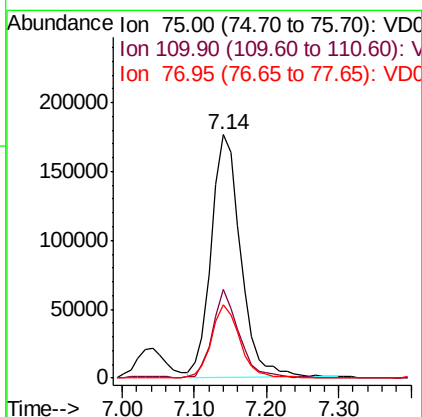
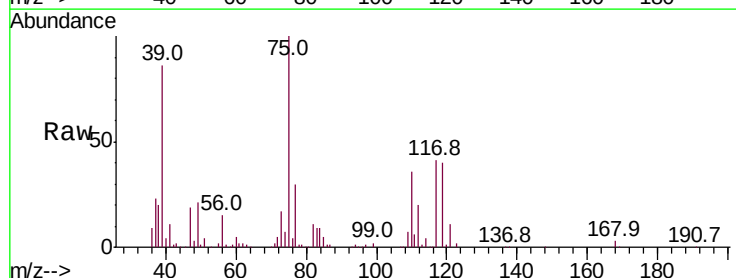
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

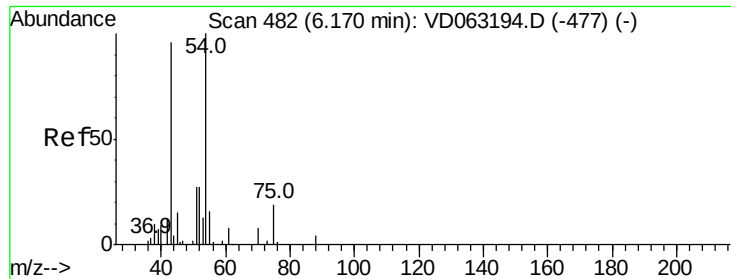
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.2	124.8
192	16.4	11.8	17.8



#36
 1,1-Dichloropropene
 Concen: 46.782 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: VD063266.D
 Acq: 31 Jul 2019 4:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	16.1	48.2
77	30.3	22.7	34.1

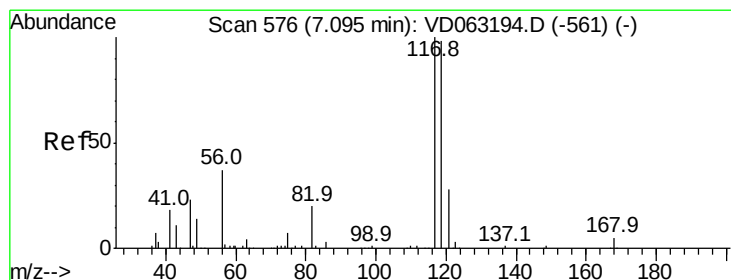
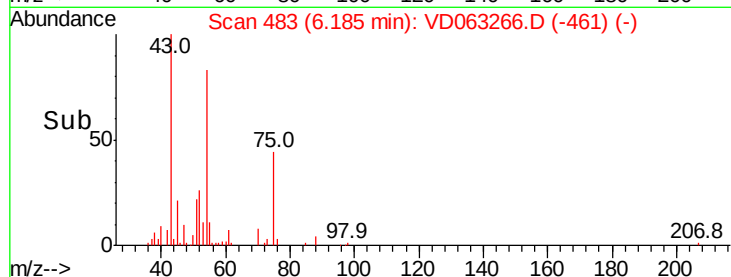
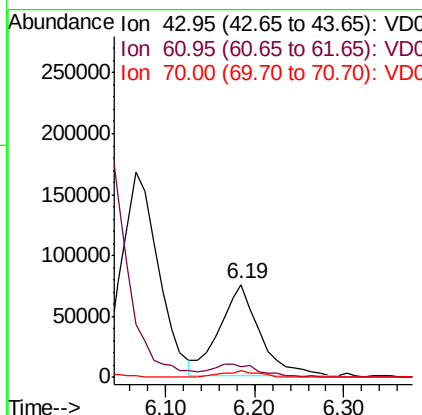
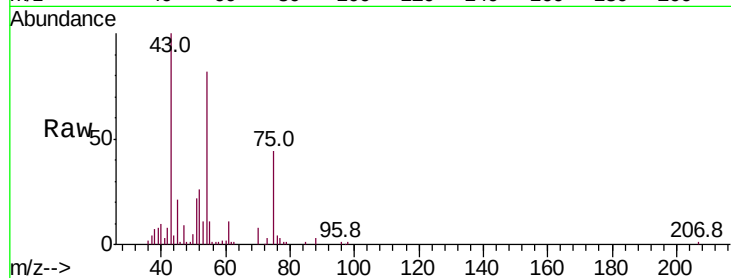




#37
Ethyl Acetate
Concen: 49.845 ug/l
RT: 6.19 min Scan# 483
Delta R.T. 0.02 min
Lab File: VD063266.D
Acq: 31 Jul 2019 4:43

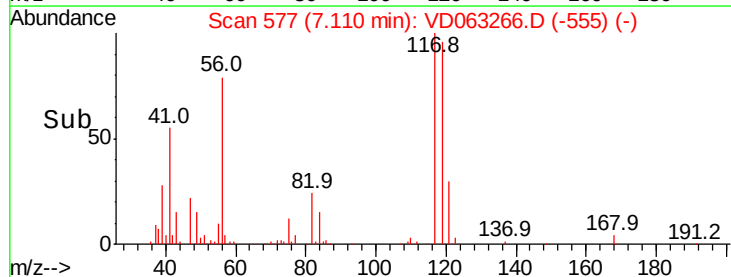
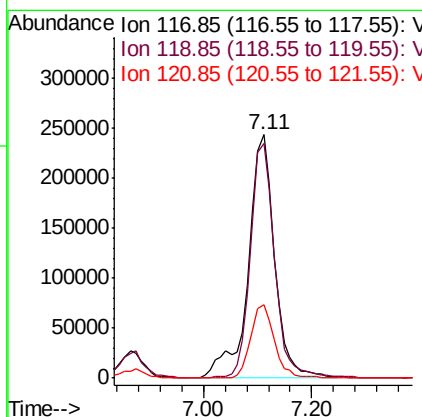
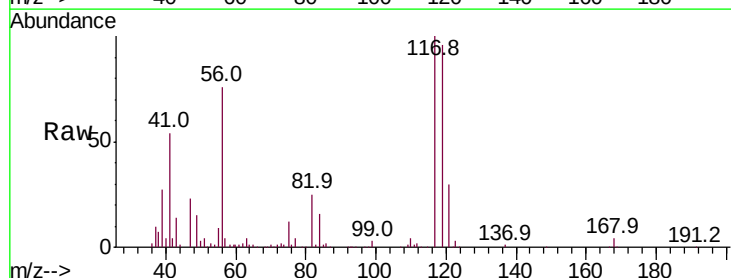
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

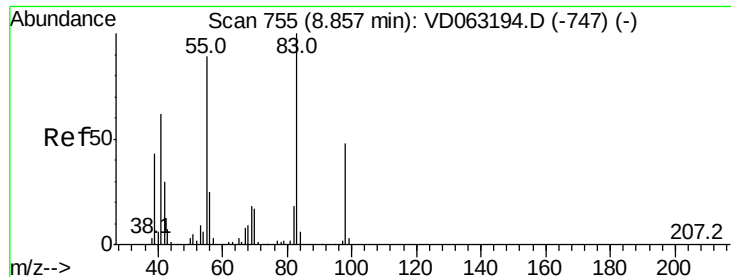
Tot Ion: 43 Resp: 235896
Ion Ratio Lower Upper
43 100
61 11.0 11.3 16.9#
70 7.5 5.1 7.7



#38
Carbon Tetrachloride
Concen: 52.035 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.02 min
Lab File: VD063266.D
Acq: 31 Jul 2019 4:43

Tgt Ion: 117 Resp: 825211
Ion Ratio Lower Upper
117 100
119 96.4 78.2 117.2
121 30.0 22.1 33.1

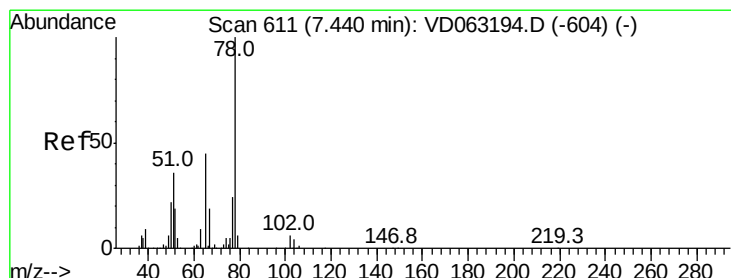
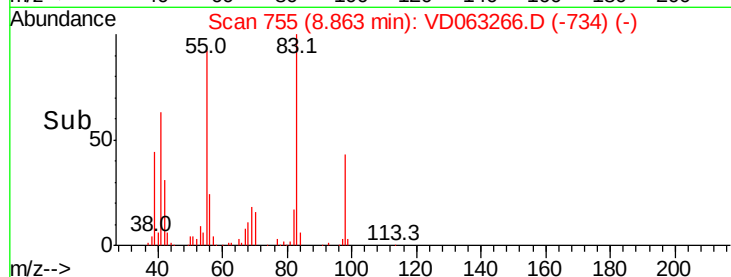
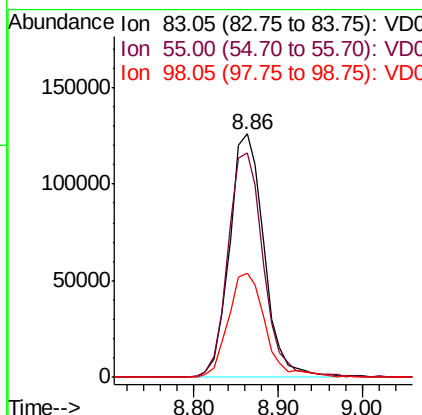
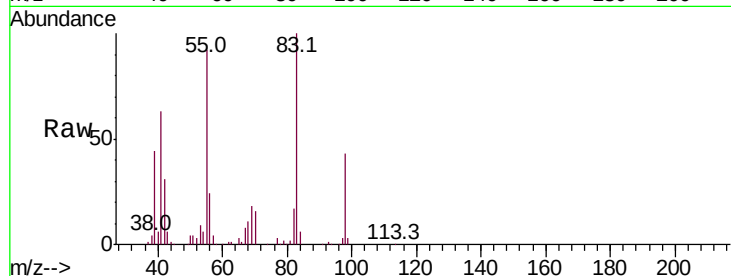




#39
Methylvlcyclohexane
Concen: 40.896 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.01 min
Lab File: VD063266.D
Acq: 31 Jul 2019 4:43

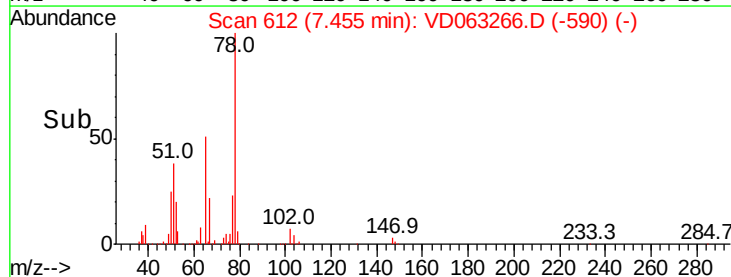
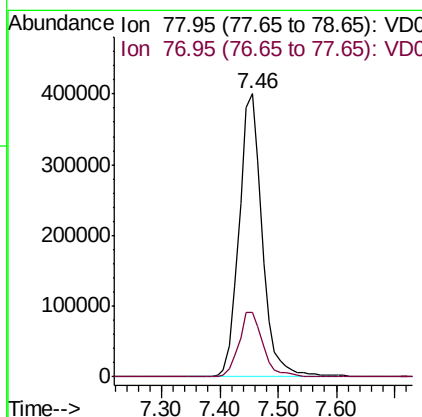
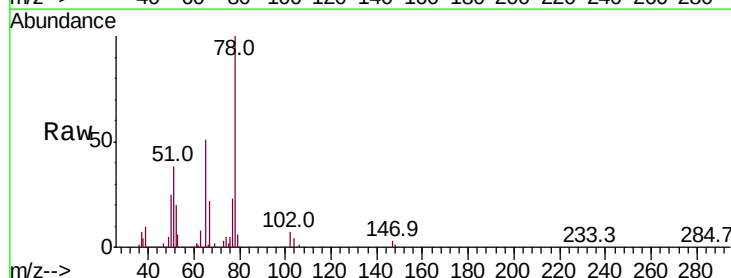
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

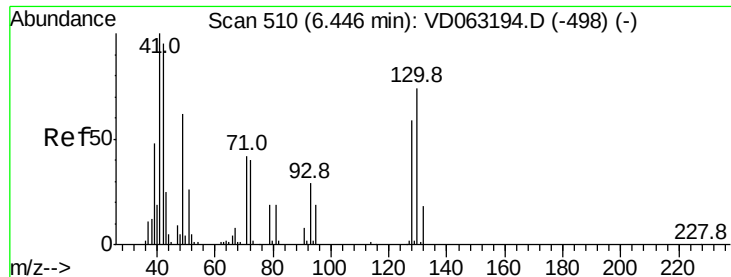
Tot Ion: 83 Resp: 358932
Ion Ratio Lower Upper
83 100
55 92.0 71.1 106.7
98 43.0 38.5 57.7



#40
Benzene
Concen: 49.974 ug/l
RT: 7.46 min Scan# 612
Delta R.T. 0.02 min
Lab File: VD063266.D
Acq: 31 Jul 2019 4:43

Tgt Ion: 78 Resp: 1103299
Ion Ratio Lower Upper
78 100
77 23.0 19.4 29.2





#41

Methacrylonitrile

Concen: 57.492 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.01 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 325466

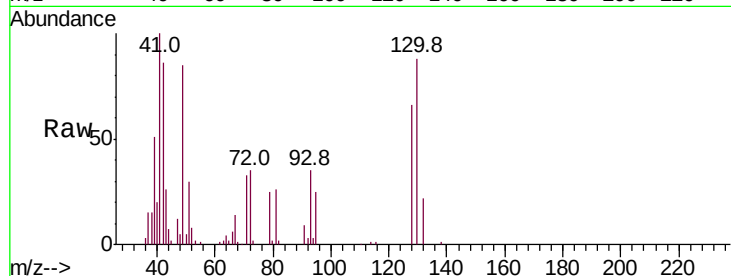
Ion Ratio Lower Upper

41 100

39 51.0 38.4 57.6

67 14.5 6.7 10.1#

52 8.3 4.3 6.5#

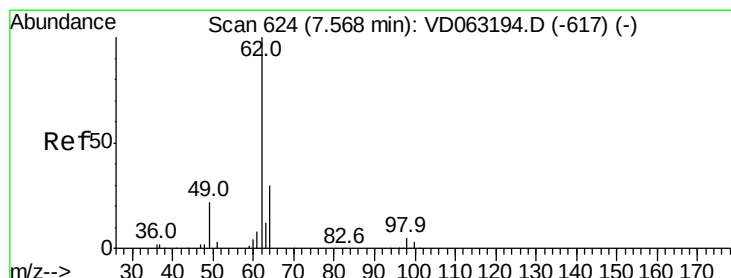
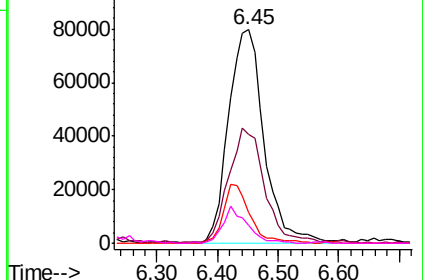
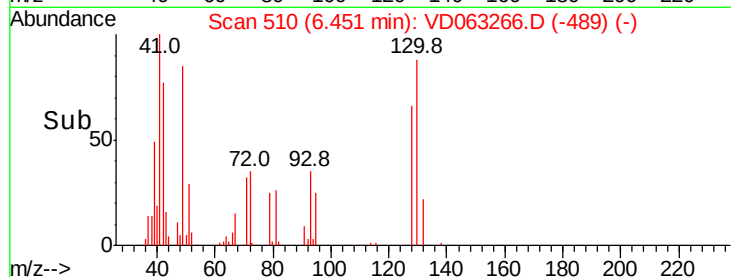


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 55.939 ug/l

RT: 7.57 min Scan# 624

Delta R.T. 0.01 min

Lab File: VD063266.D

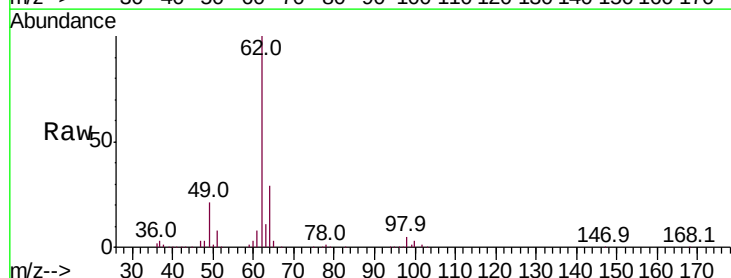
Acq: 31 Jul 2019 4:43

Tgt Ion: 62 Resp: 654527

Ion Ratio Lower Upper

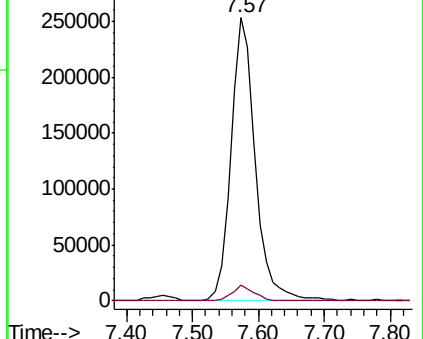
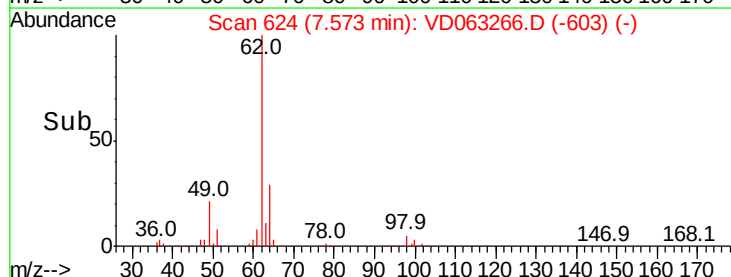
62 100

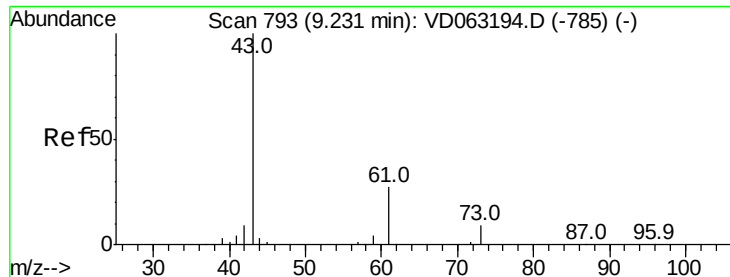
98 5.4 0.0 9.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 53.759 ug/l

RT: 9.24 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

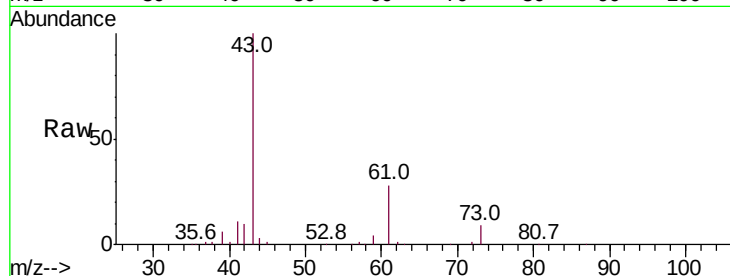
Tot Ion: 43 Resp: 324991

Ion Ratio Lower Upper

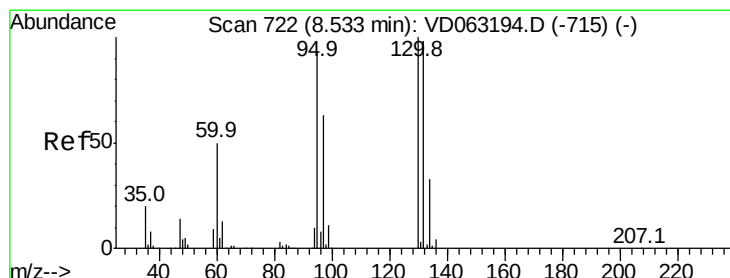
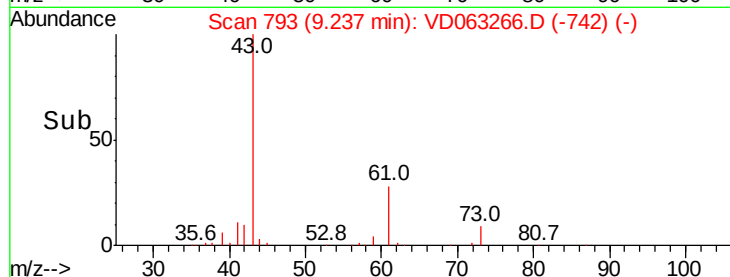
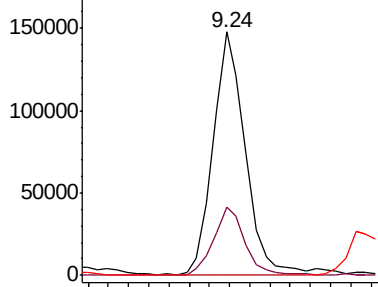
43 100

61 28.0 21.4 32.0

87 0.4 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: 48.429 ug/l

RT: 8.54 min Scan# 722

Delta R.T. 0.01 min

Lab File: VD063266.D

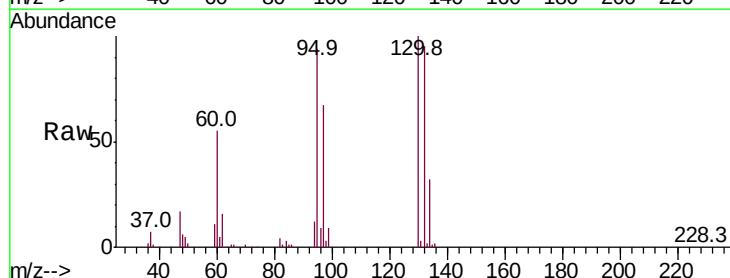
Acq: 31 Jul 2019 4:43

Tgt Ion:130 Resp: 433254

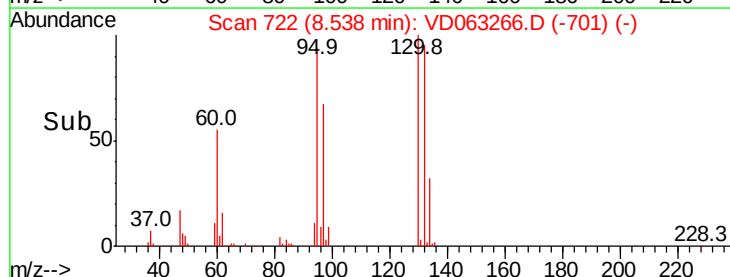
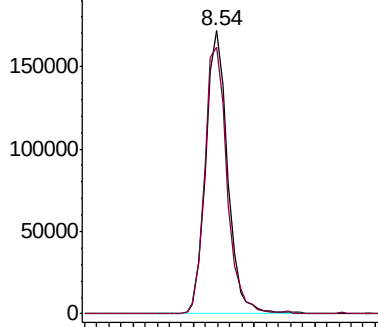
Ion Ratio Lower Upper

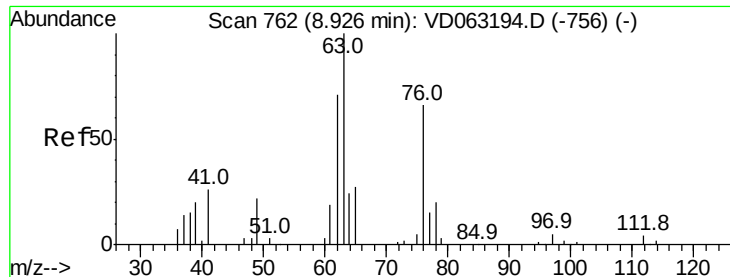
130 100

95 94.1 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: 49.922 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.02 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :

MSVOA_D

ClientSampleId :

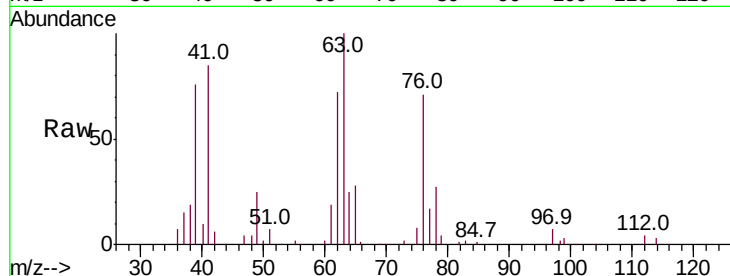
VSTDCCC050EC

Tot Ion: 63 Resp: 280141

Ion Ratio Lower Upper

63 100

65 27.9 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

120000

100000

80000

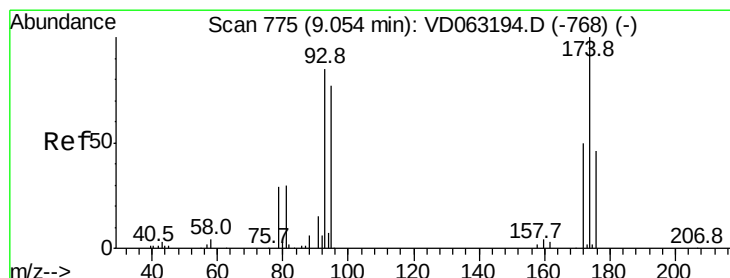
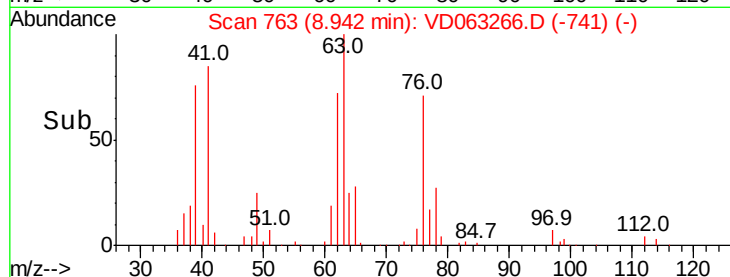
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 53.341 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.01 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

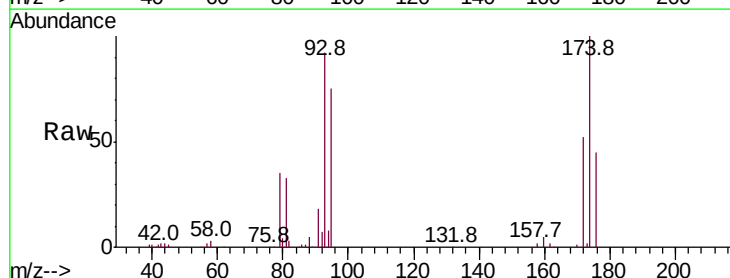
Tgt Ion: 93 Resp: 248887

Ion Ratio Lower Upper

93 100

95 81.8 72.8 109.2

174 109.2 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

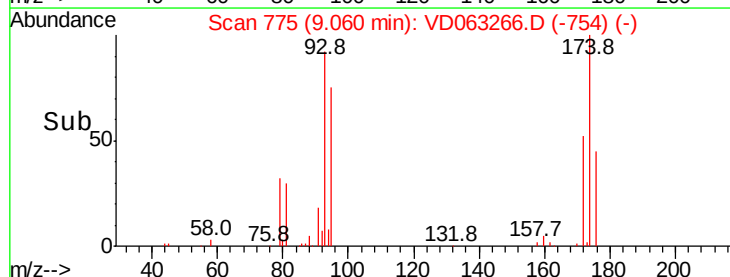
150000

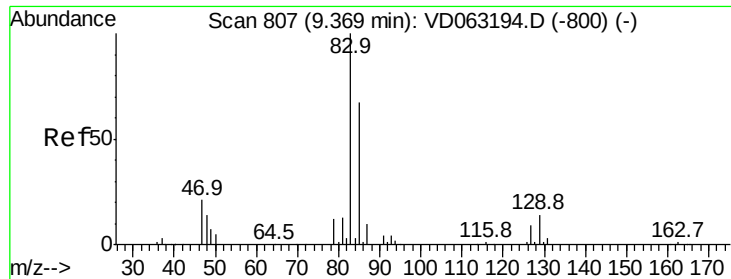
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 55.522 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

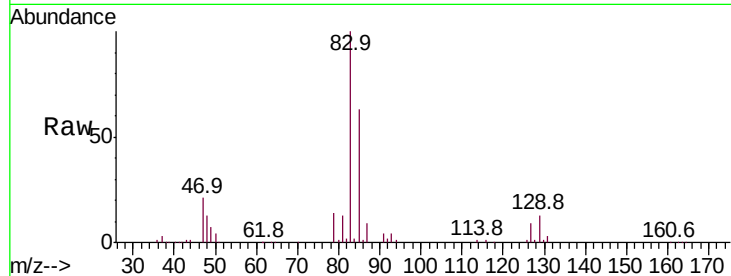
Tot Ion: 83 Resp: 660373

Ion Ratio Lower Upper

83 100

85 63.2 53.6 80.4

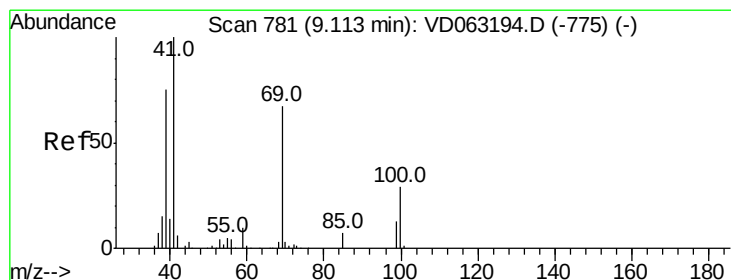
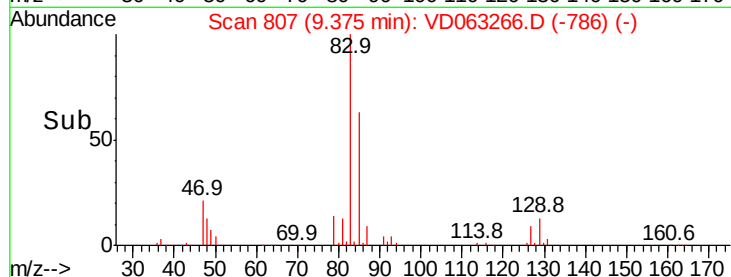
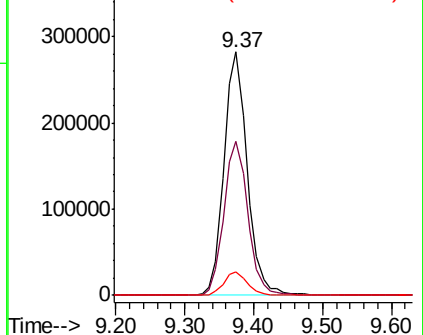
127 9.5 7.2 10.8



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: 56.509 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

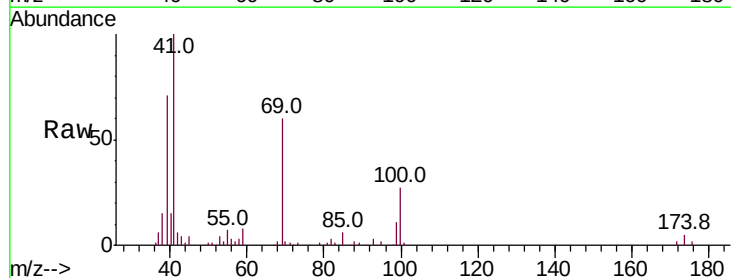
Tgt Ion: 41 Resp: 221562

Ion Ratio Lower Upper

41 100

69 60.2 53.4 80.0

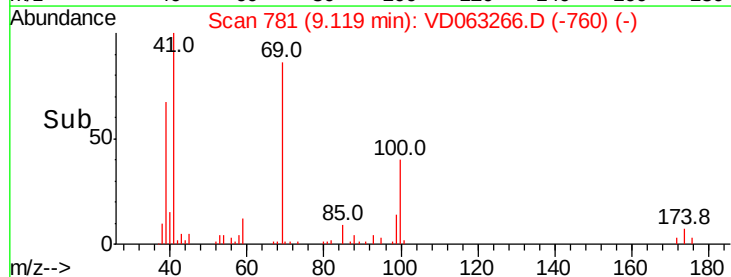
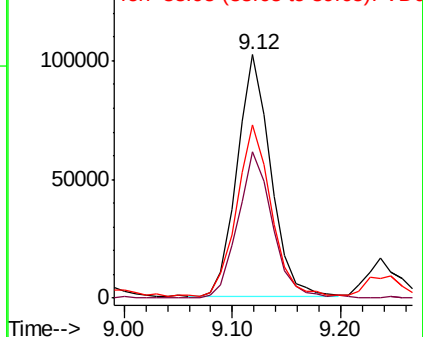
39 71.2 60.3 90.5

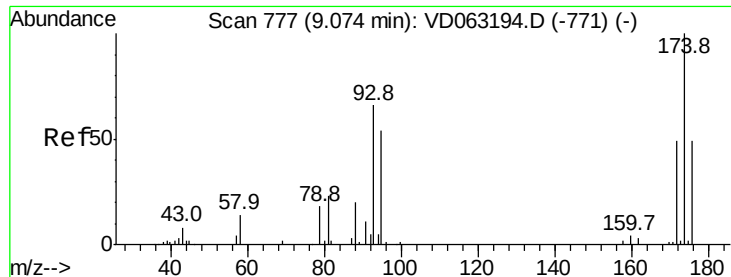


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

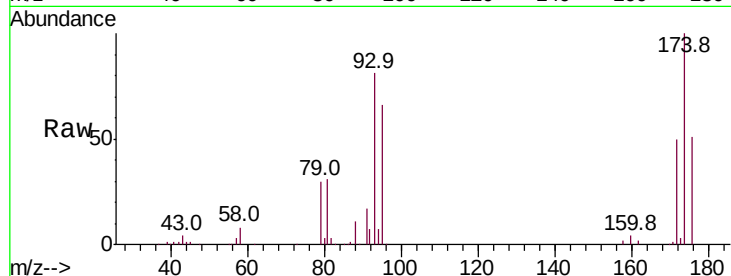




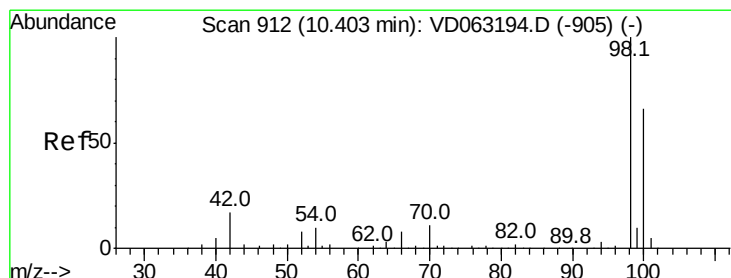
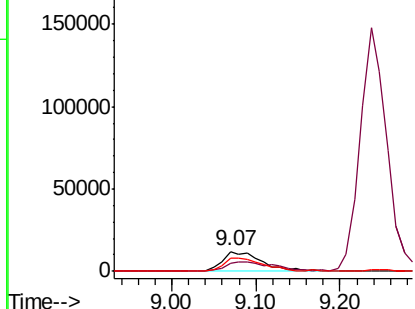
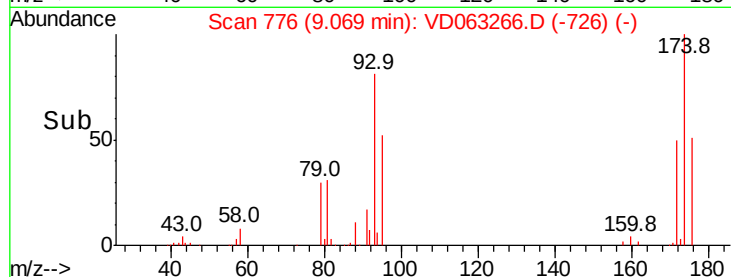
#49
 1,4-Dioxane
 Concen: 1146.129 ug/l
 RT: 9.07 min Scan# 776
 Delta R.T. -0.00 min
 Lab File: VD063266.D
 Acq: 31 Jul 2019 4:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	38047
Ion Ratio	Lower	Upper	
88	100		
43	39.3	30.7	46.1
58	67.4	56.5	84.7

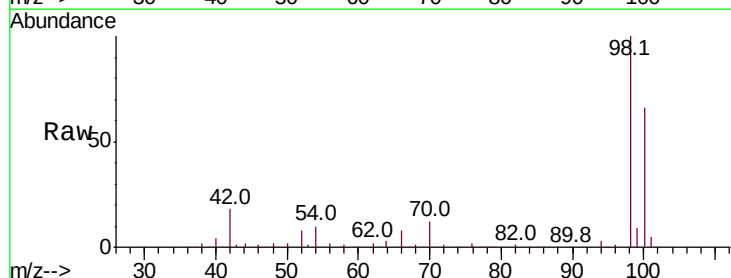


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

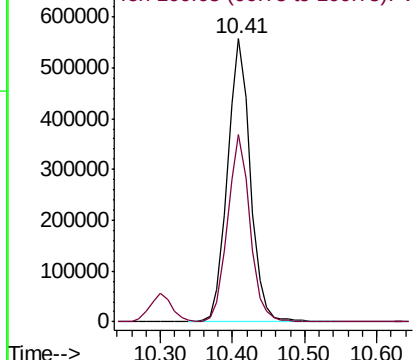
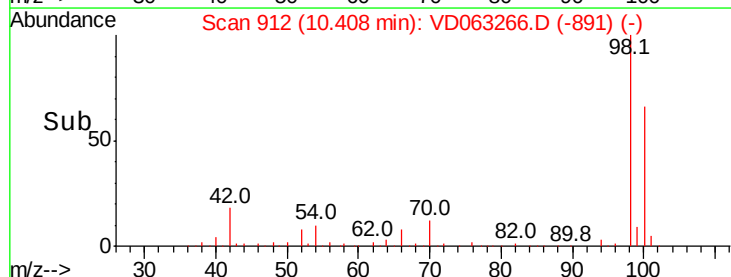


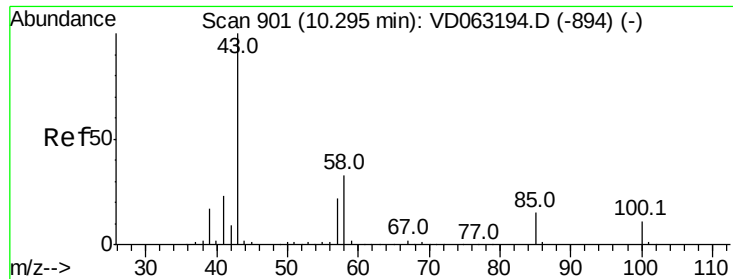
#50
 Toluene-d8
 Concen: 55.505 ug/l
 RT: 10.41 min Scan# 912
 Delta R.T. 0.01 min
 Lab File: VD063266.D
 Acq: 31 Jul 2019 4:43

Tgt Ion	98	Resp	1224189
Ion Ratio	Lower	Upper	
98	100		
100	66.1	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: 287.364 ug/l

RT: 10.30 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :

MSVOA_D

ClientSampleId :

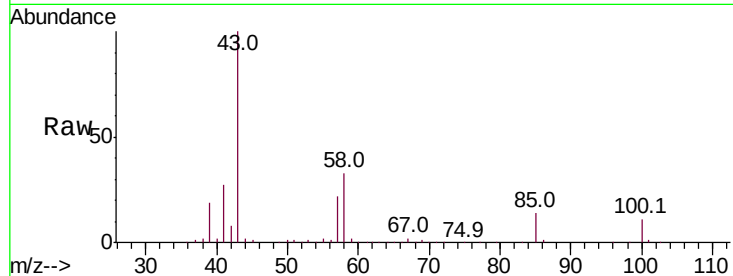
VSTDCCC050EC

Tot Ion: 43 Resp: 1181456

Ion Ratio Lower Upper

43 100

58 32.6 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

500000

400000

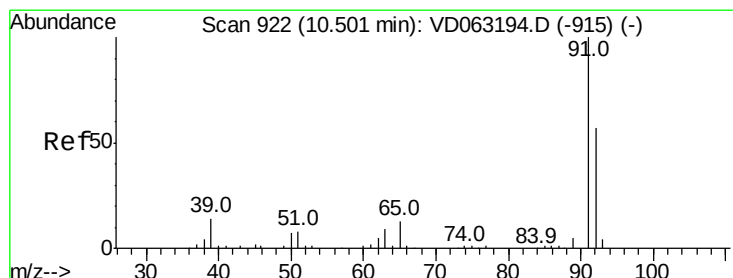
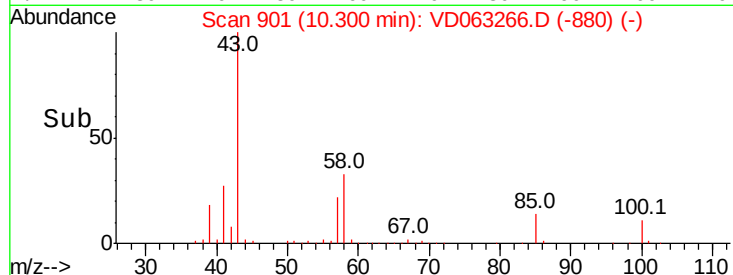
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.980 ug/l

RT: 10.51 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD063266.D

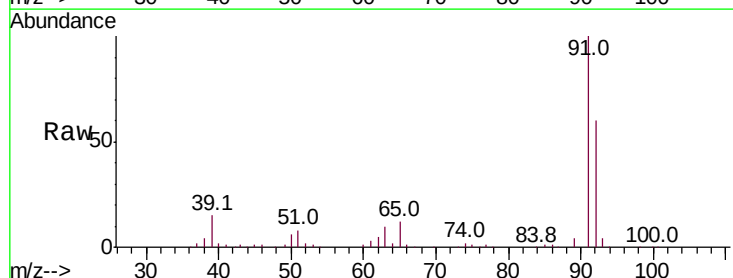
Acq: 31 Jul 2019 4:43

Tgt Ion: 92 Resp: 792632

Ion Ratio Lower Upper

92 100

91 167.1 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

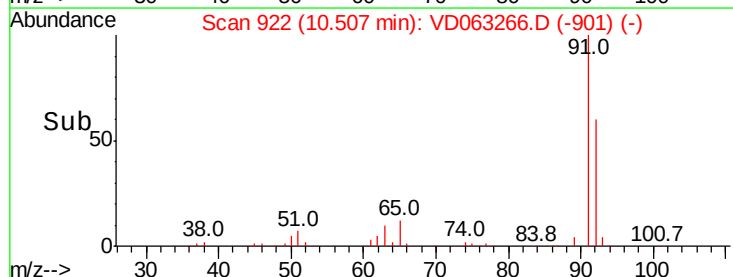
600000

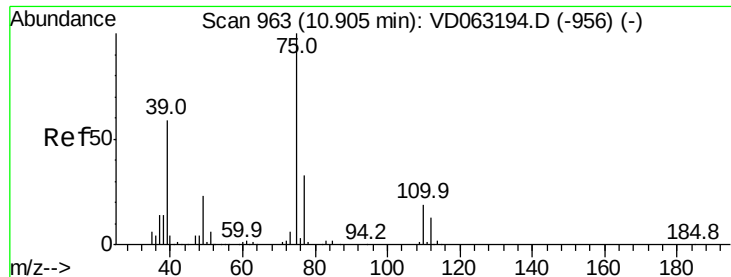
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.455 ug/l

RT: 10.91 min Scan# 963

Delta R.T. 0.01 min

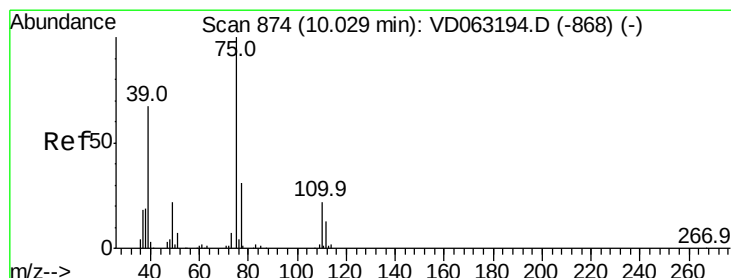
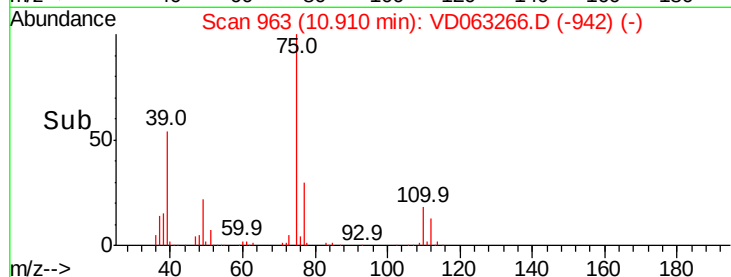
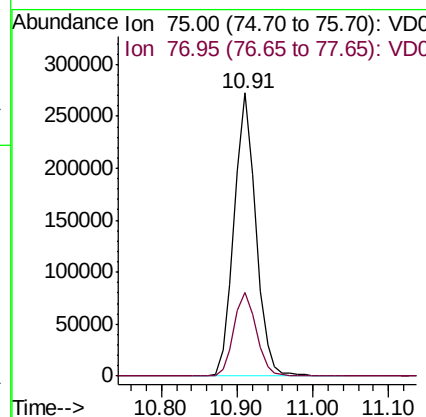
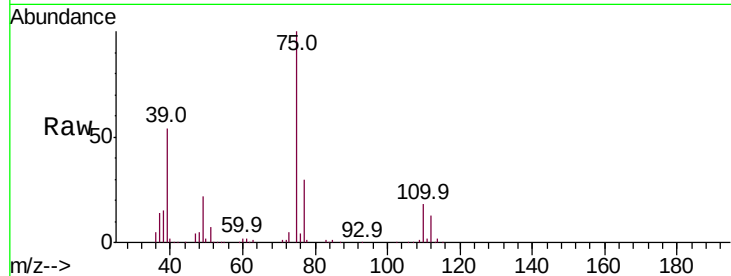
Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 537881

Ion	Ratio	Lower	Upper
75	100		
77	29.8	26.6	40.0



#54

cis-1,3-Dichloropropene

Concen: 53.517 ug/l

RT: 10.03 min Scan# 874

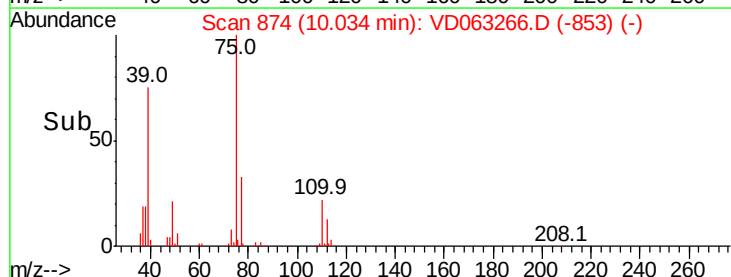
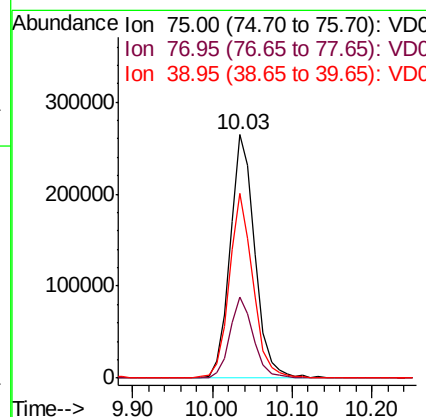
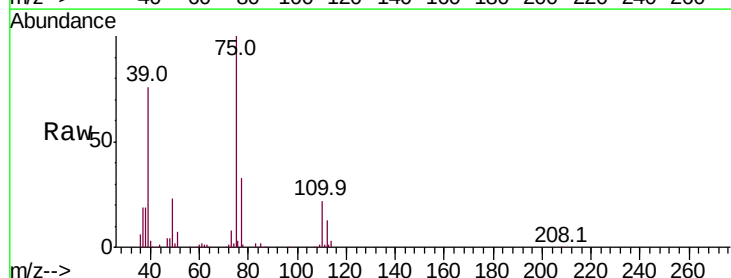
Delta R.T. 0.01 min

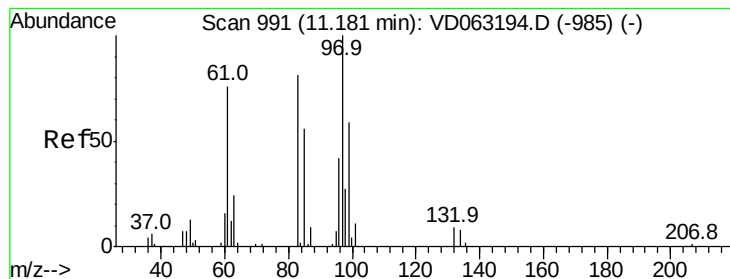
Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Tgt Ion: 75 Resp: 576750

Ion	Ratio	Lower	Upper
75	100		
77	33.2	24.9	37.3
39	75.8	53.9	80.9





#55

1,1,2-Trichloroethane

Concen: 53.657 ug/l

RT: 11.19 min Scan# 991

Delta R.T. 0.01 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 266098

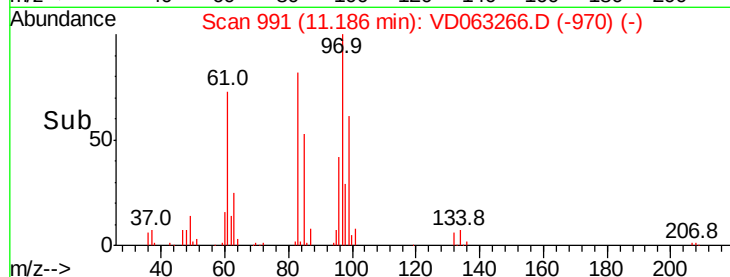
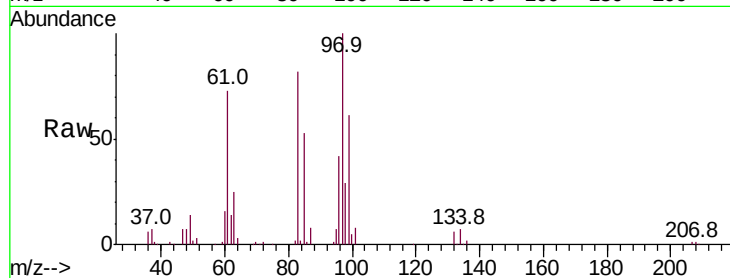
Ion	Ratio	Lower	Upper
97	100		
83	81.6	64.8	97.2
85	53.2	44.9	67.3
99	60.7	47.2	70.8

97 100

83 81.6 64.8 97.2

85 53.2 44.9 67.3

99 60.7 47.2 70.8

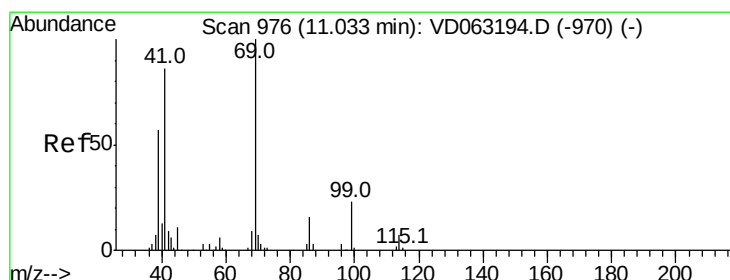
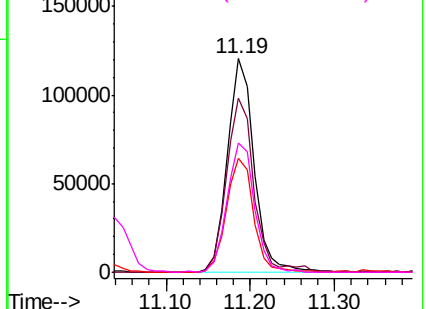


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 52.464 ug/l

RT: 11.04 min Scan# 976

Delta R.T. 0.01 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

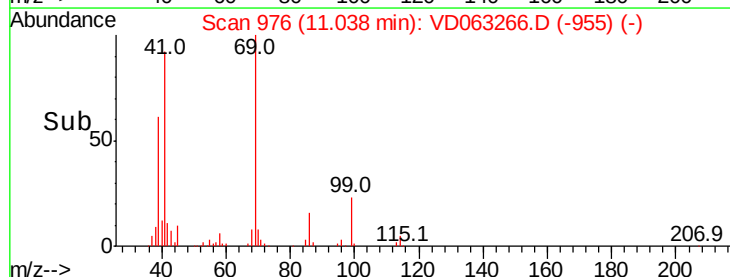
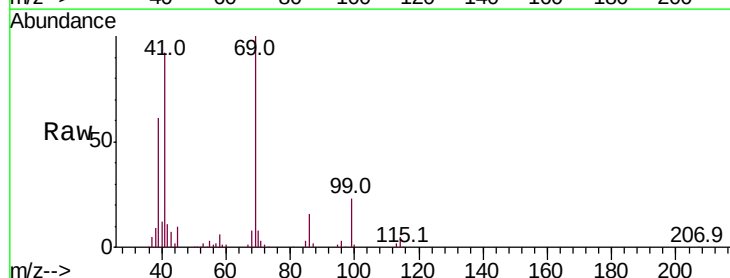
Tgt Ion: 69 Resp: 284907

Ion	Ratio	Lower	Upper
69	100		
41	92.2	68.8	103.2
39	61.2	45.8	68.8

69 100

41 92.2 68.8 103.2

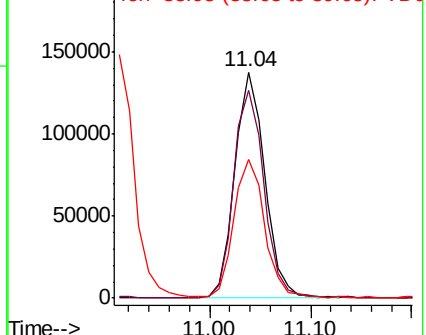
39 61.2 45.8 68.8

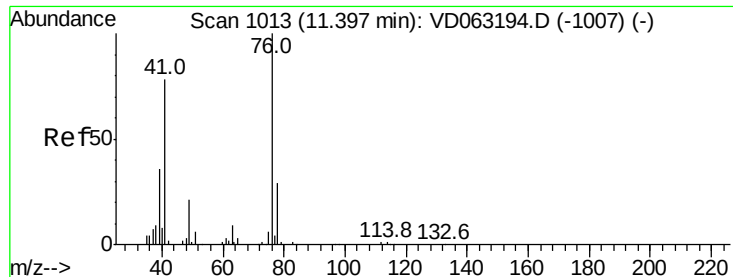


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

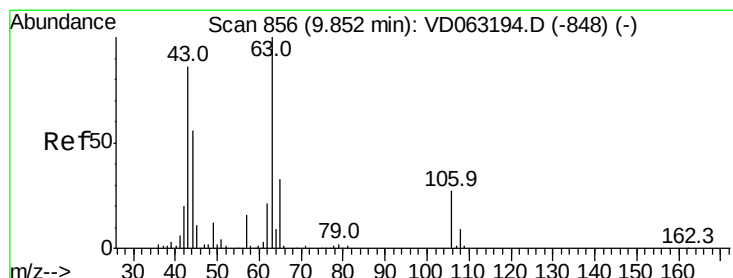
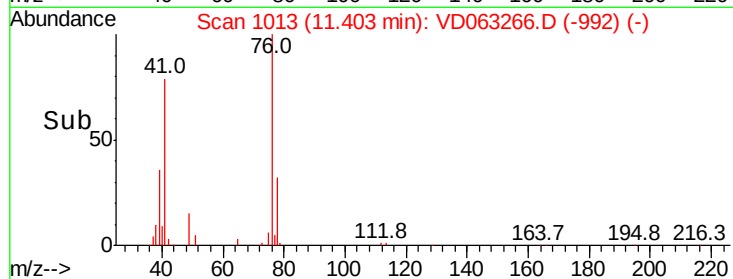
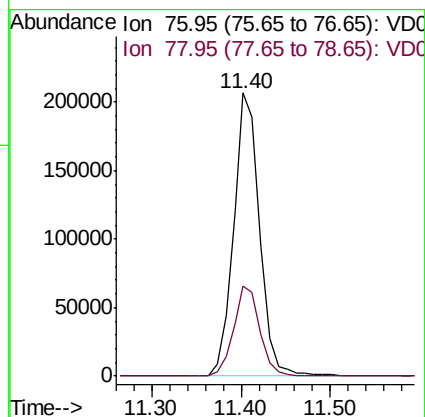
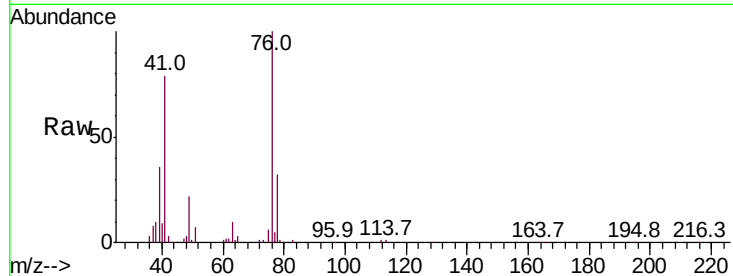




#57
 1,3-Dichloropropane
 Concen: 53.793 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. 0.01 min
 Lab File: VD063266.D
 Acq: 31 Jul 2019 4:43

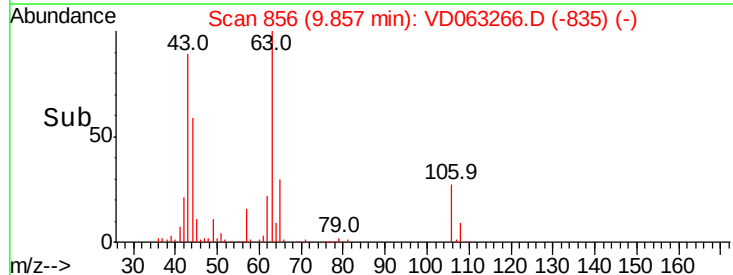
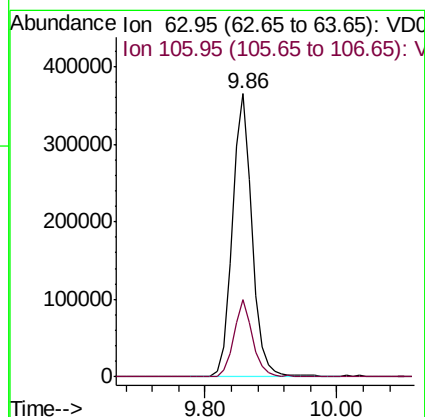
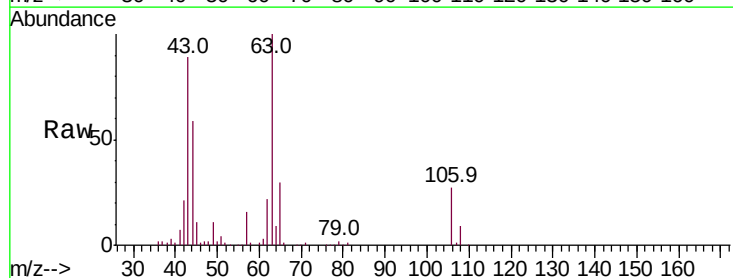
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

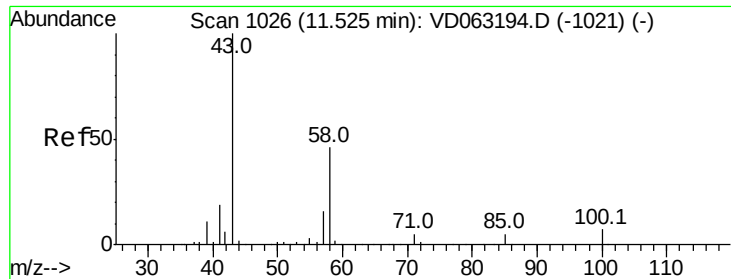
Tot Ion: 76 Resp: 420326
 Ion Ratio Lower Upper
 76 100
 78 31.7 23.4 35.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 270.957 ug/l
 RT: 9.86 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VD063266.D
 Acq: 31 Jul 2019 4:43

Tgt Ion: 63 Resp: 765647
 Ion Ratio Lower Upper
 63 100
 106 27.3 22.0 33.0

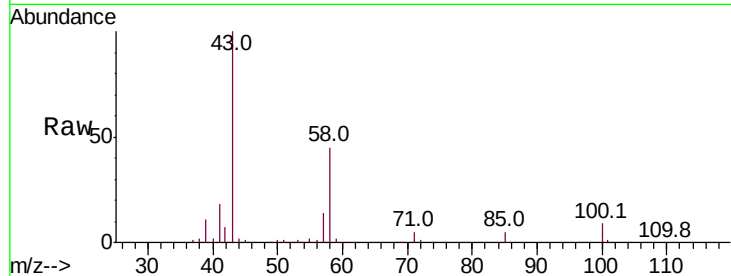




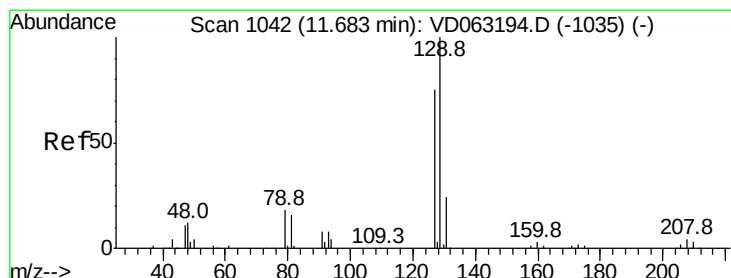
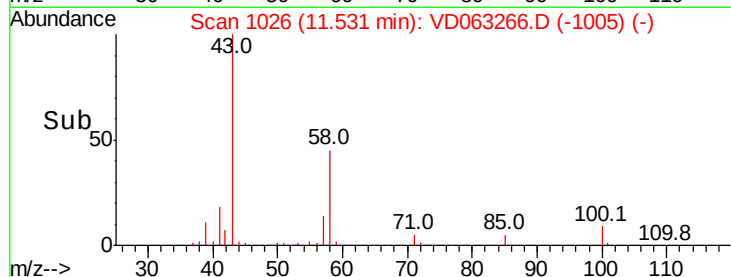
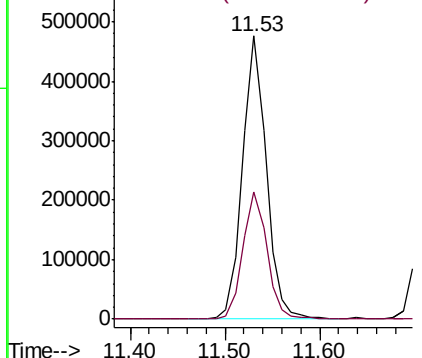
#59
2-Hexanone
Concen: 280.885 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD063266.D
Acq: 31 Jul 2019 4:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 832211
Ion Ratio Lower Upper
43 100
58 45.2 22.9 68.5

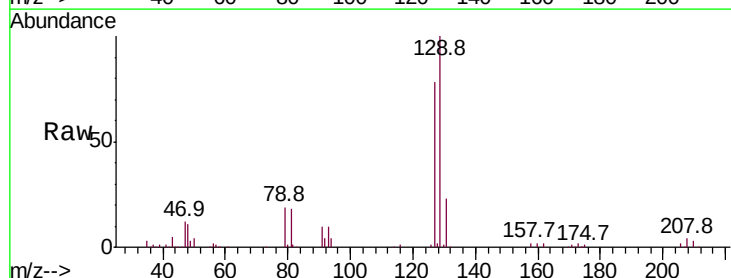


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

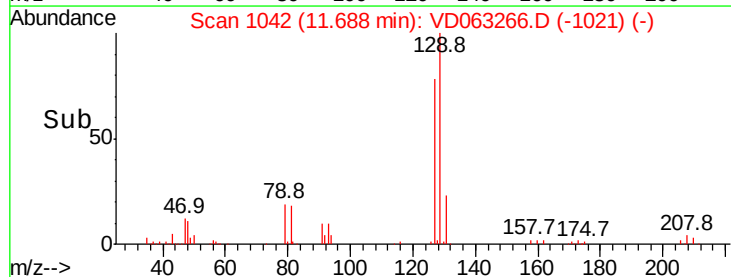
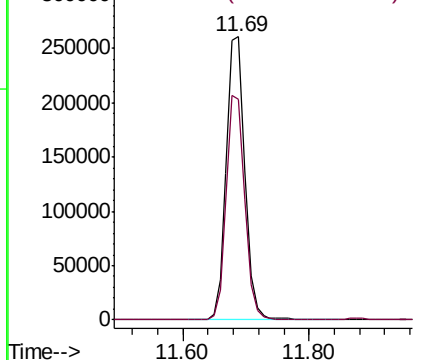


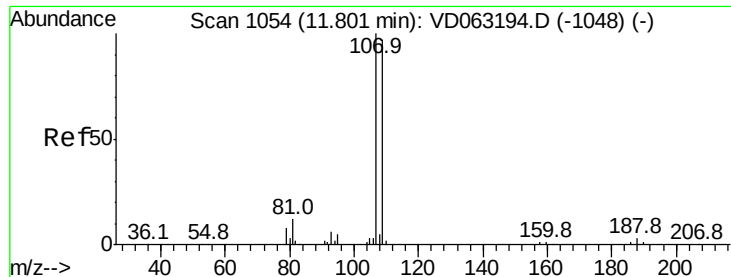
#60
Dibromochloromethane
Concen: 56.778 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VD063266.D
Acq: 31 Jul 2019 4:43

Tgt Ion: 129 Resp: 531569
Ion Ratio Lower Upper
129 100
127 77.9 37.6 112.8



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 58.508 ug/l

RT: 11.81 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :

MSVOA_D

ClientSampleId :

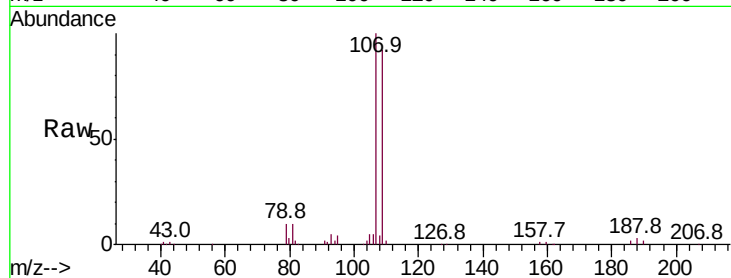
VSTDCCC050EC

Tot Ion:107 Resp: 358033

Ion Ratio Lower Upper

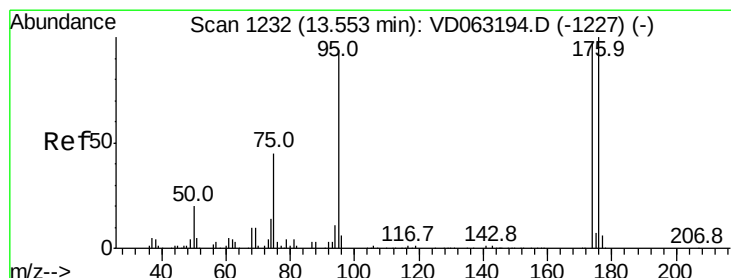
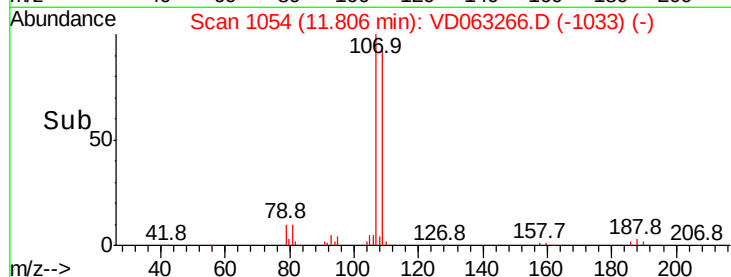
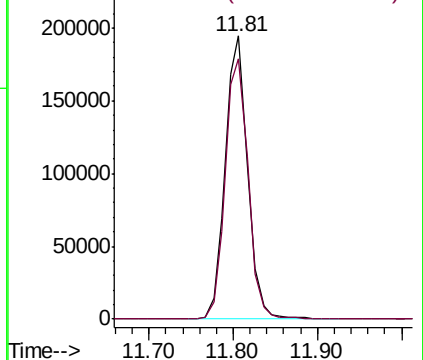
107 100

109 92.2 77.5 116.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 58.425 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

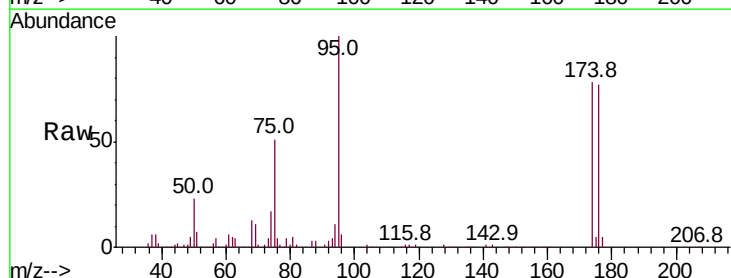
Tgt Ion: 95 Resp: 587207

Ion Ratio Lower Upper

95 100

174 78.3 0.0 205.4

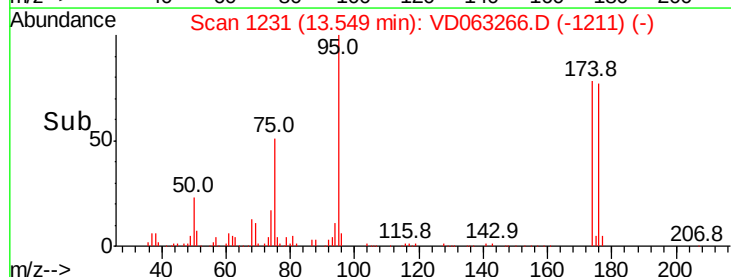
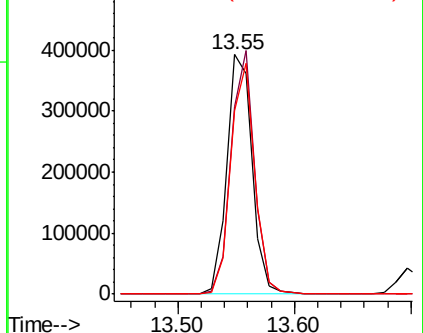
176 76.6 0.0 211.8

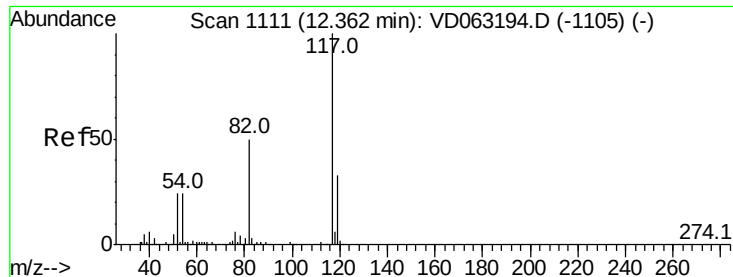


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

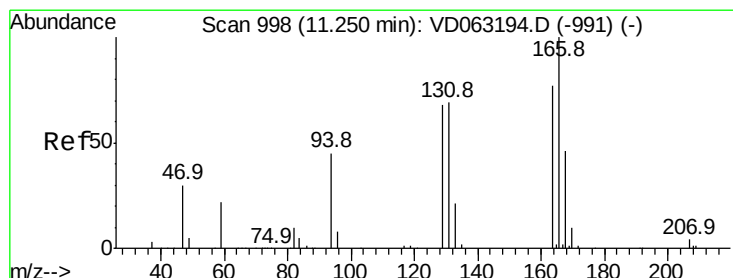
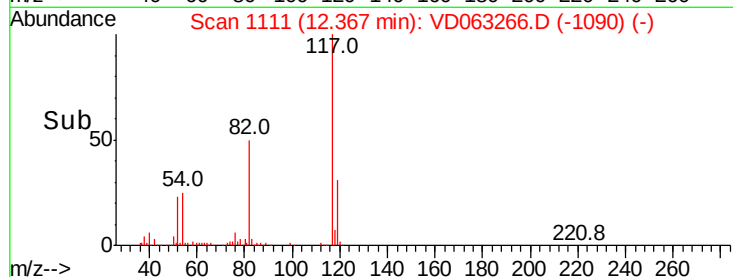
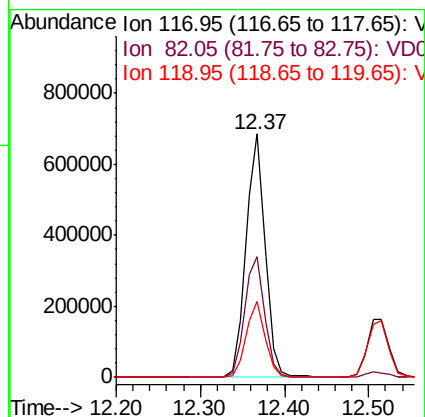
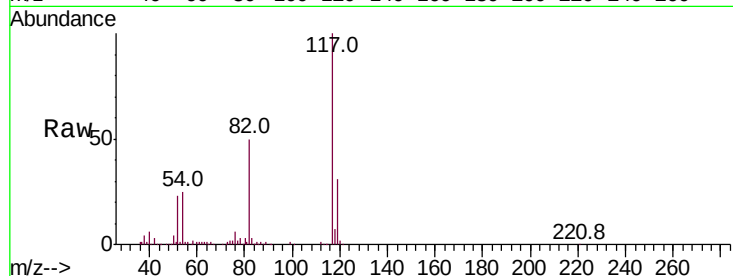




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD063266.D
Acq: 31 Jul 2019 4:43

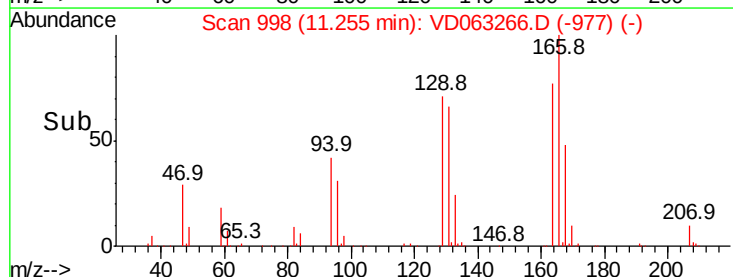
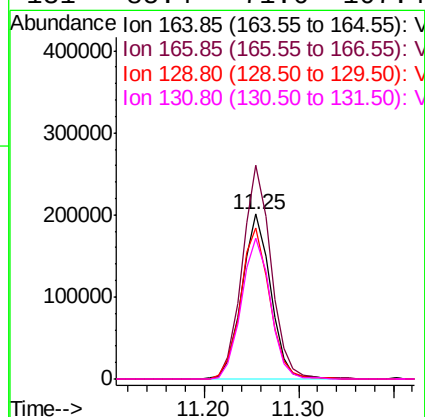
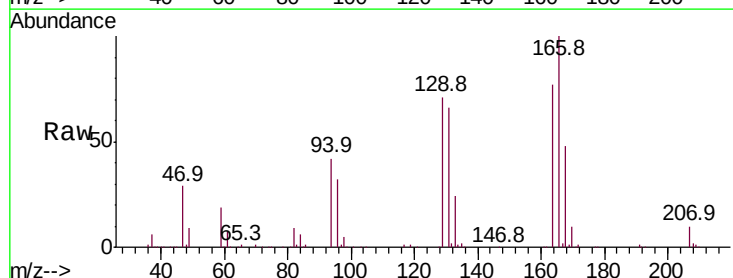
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

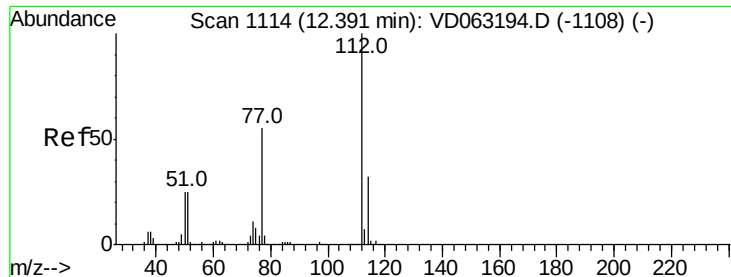
Tot Ion:117 Resp: 1082859
Ion Ratio Lower Upper
117 100
82 49.6 40.1 60.1
119 31.1 26.5 39.7



#64
Tetrachloroethene
Concen: 49.109 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.01 min
Lab File: VD063266.D
Acq: 31 Jul 2019 4:43

Tgt Ion:164 Resp: 423649
Ion Ratio Lower Upper
164 100
166 129.4 104.3 156.5
129 91.9 70.9 106.3
131 85.4 71.6 107.4

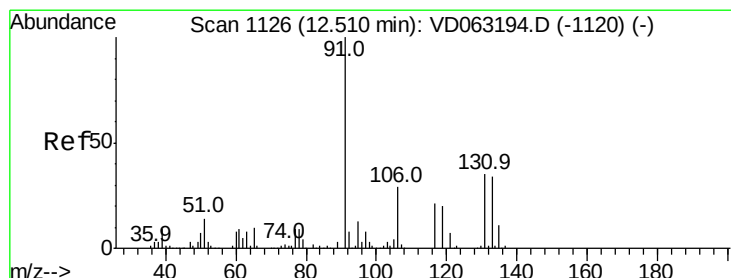
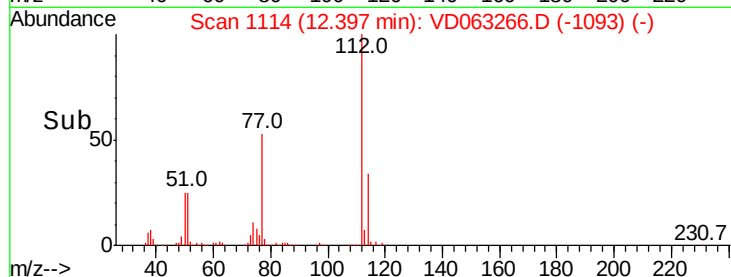
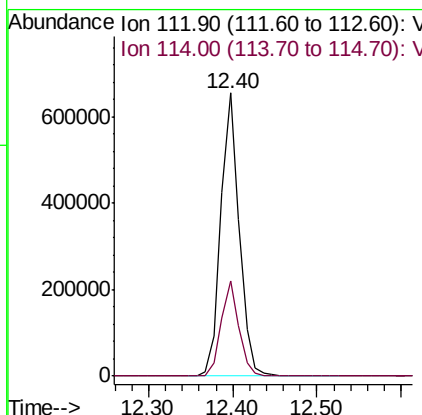
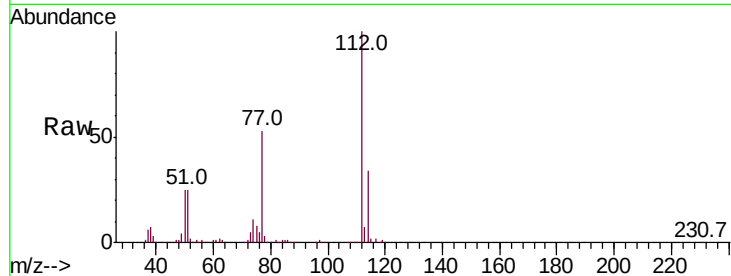




#65
Chlorobenzene
Concen: 47.890 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VD063266.D
Acq: 31 Jul 2019 4:43

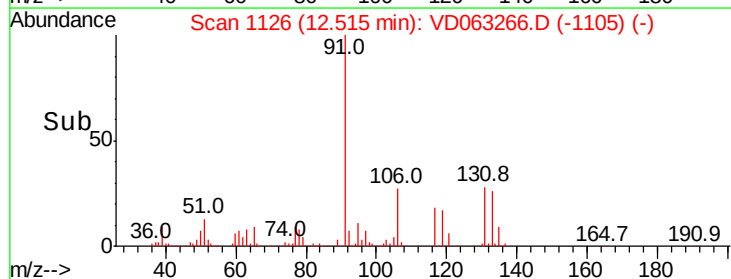
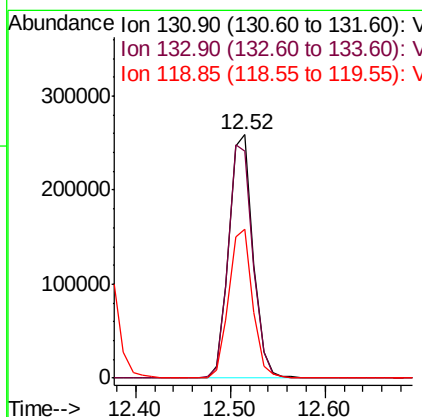
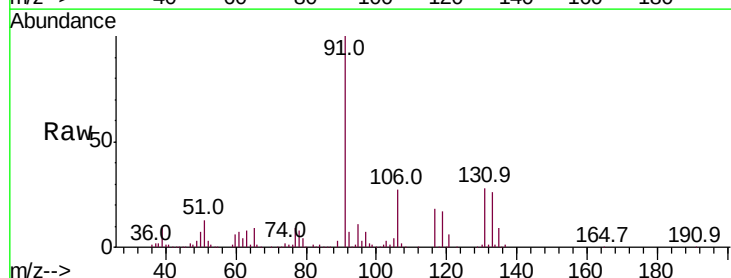
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

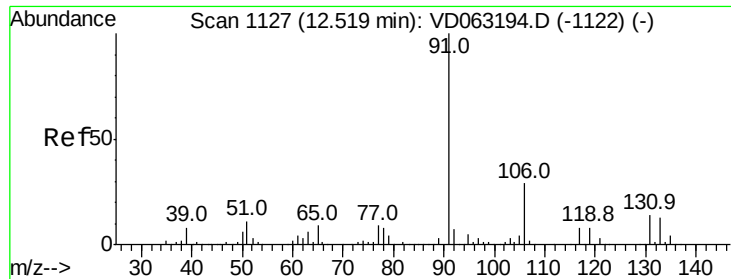
Tot Ion:112 Resp: 997458
Ion Ratio Lower Upper
112 100
114 33.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.960 ug/l
RT: 12.52 min Scan# 1126
Delta R.T. 0.01 min
Lab File: VD063266.D
Acq: 31 Jul 2019 4:43

Tgt Ion:131 Resp: 458362
Ion Ratio Lower Upper
131 100
133 93.2 48.4 145.2
119 61.1 29.1 87.3

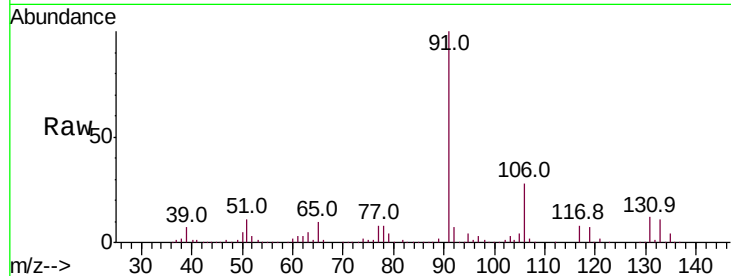




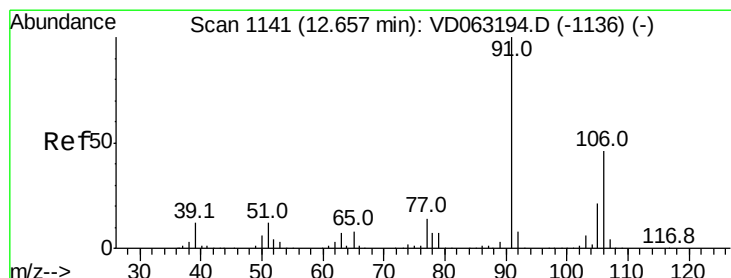
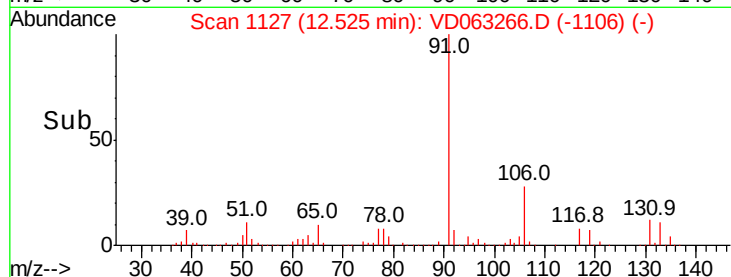
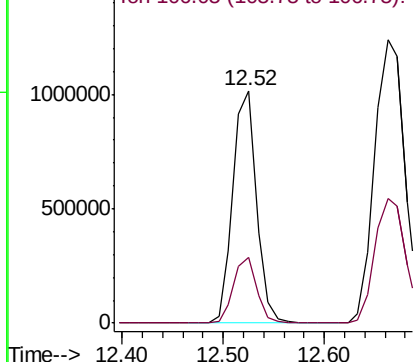
#67
Ethyl Benzene
Concen: 46.805 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063266.D
Acq: 31 Jul 2019 4:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1656065
Ion Ratio Lower Upper
91 100
106 28.1 22.9 34.3

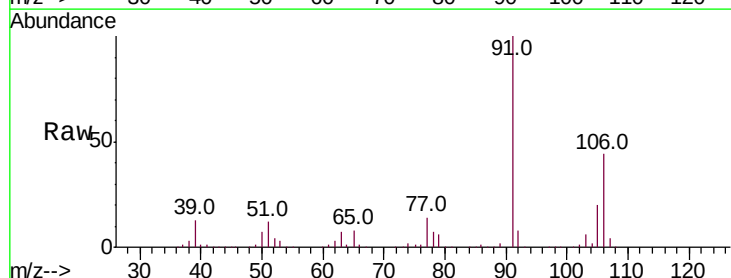


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

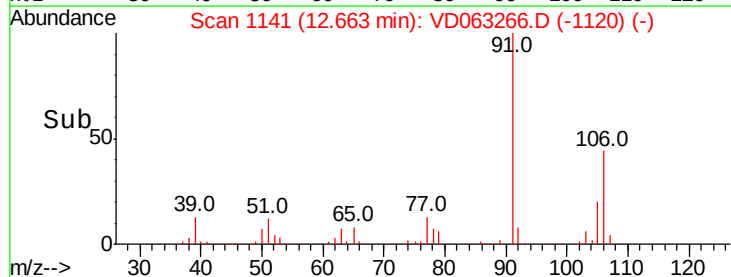
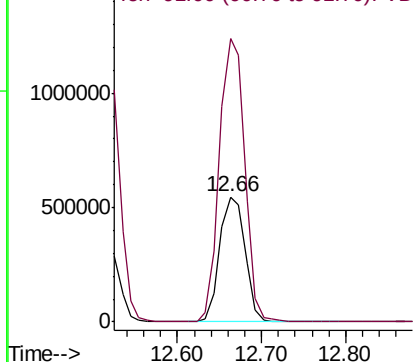


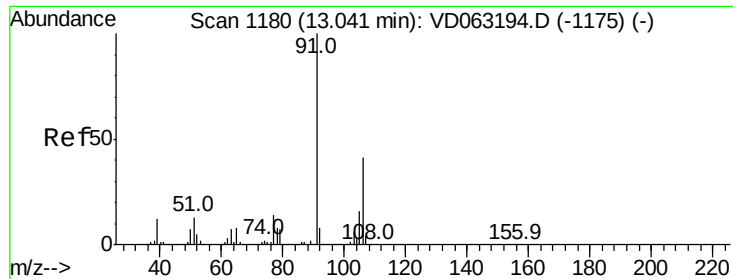
#68
m/p-Xylenes
Concen: 88.346 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.01 min
Lab File: VD063266.D
Acq: 31 Jul 2019 4:43

Tgt Ion: 106 Resp: 1146362
Ion Ratio Lower Upper
106 100
91 226.2 172.6 259.0



Abundance Ion 106.05 (105.75 to 106.75): VDC
Ion 91.00 (90.70 to 91.70): VDC

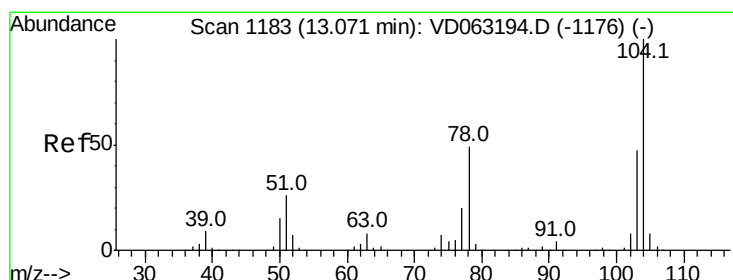
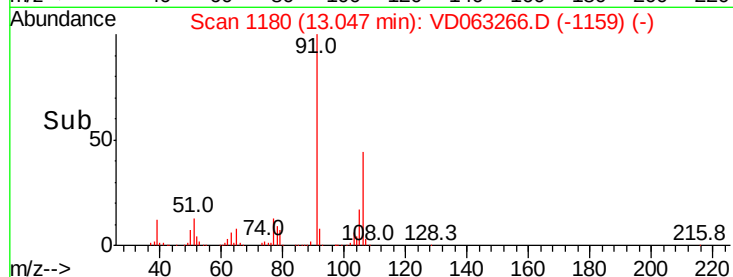
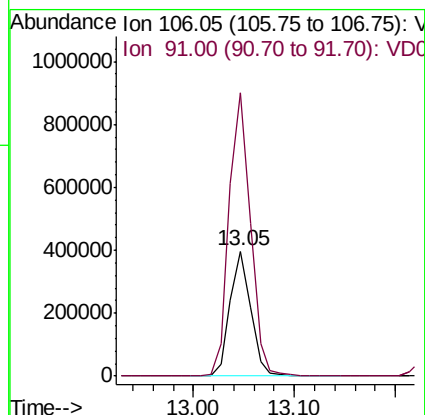
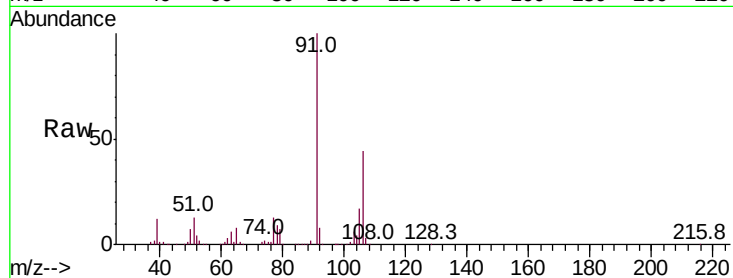




#69
o-Xylene
Concen: 47.761 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD063266.D
Acq: 31 Jul 2019 4:43

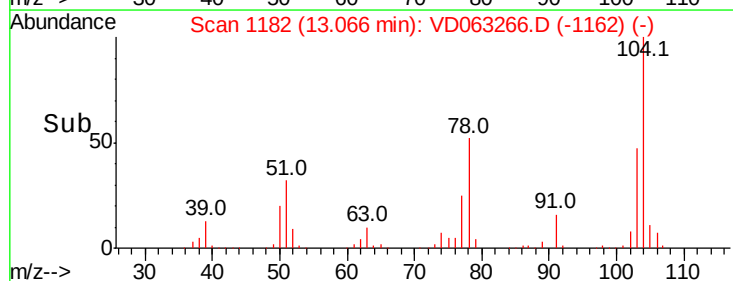
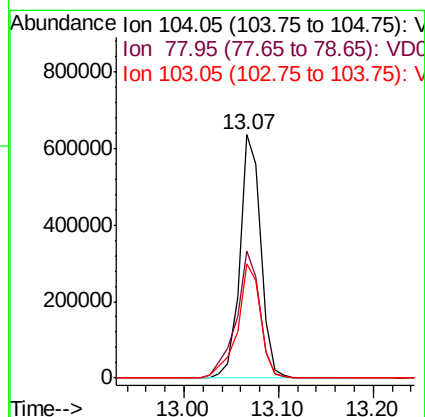
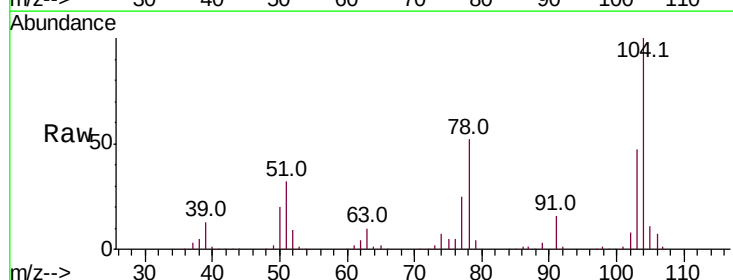
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

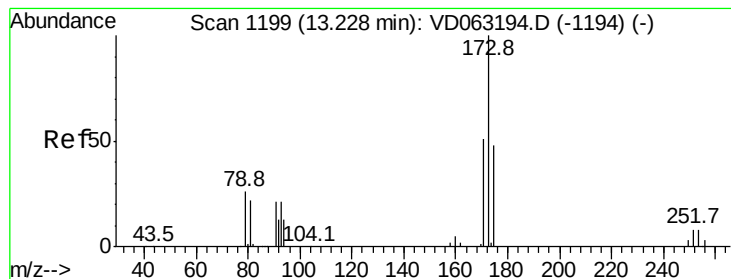
Tot Ion:106 Resp: 569109
Ion Ratio Lower Upper
106 100
91 226.0 121.3 363.9



#70
Styrene
Concen: 45.888 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD063266.D
Acq: 31 Jul 2019 4:43

Tgt Ion:104 Resp: 969692
Ion Ratio Lower Upper
104 100
78 52.4 39.4 59.0
103 47.0 37.4 56.2





#71

Bromoform

Concen: 52.404 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.01 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

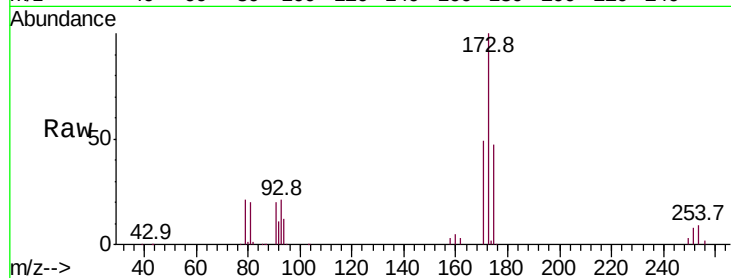
Tot Ion:173 Resp: 349637

Ion Ratio Lower Upper

173 100

175 46.9 23.8 71.5

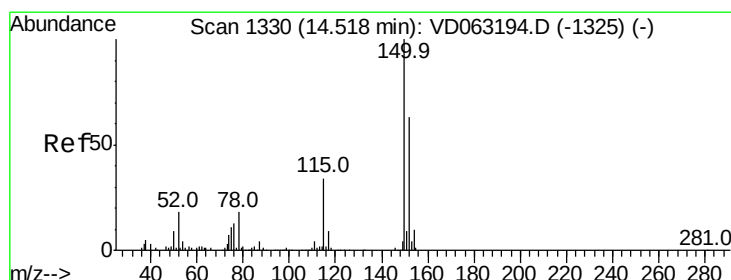
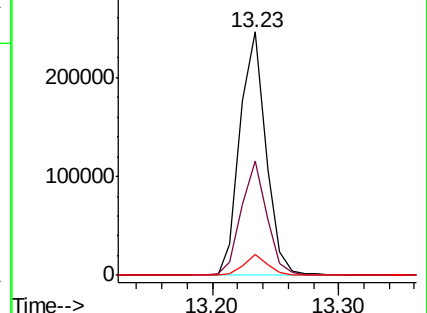
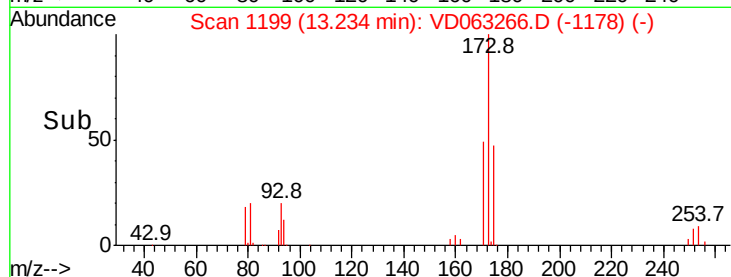
254 8.8 6.6 10.0



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. -0.00 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

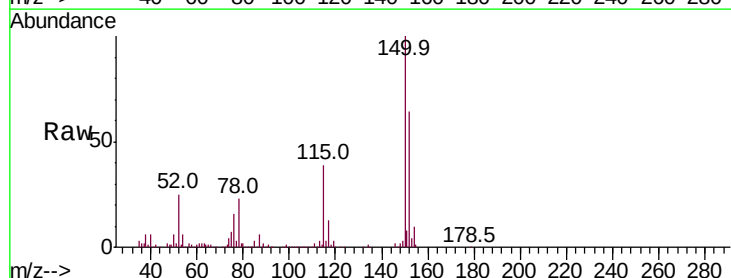
Tgt Ion:152 Resp: 595193

Ion Ratio Lower Upper

152 100

115 61.4 27.5 82.4

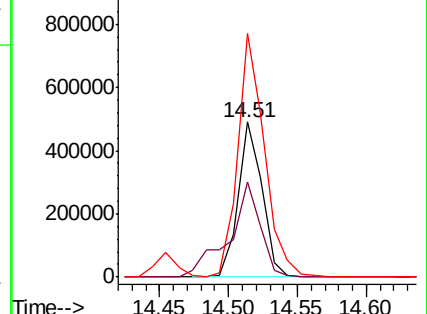
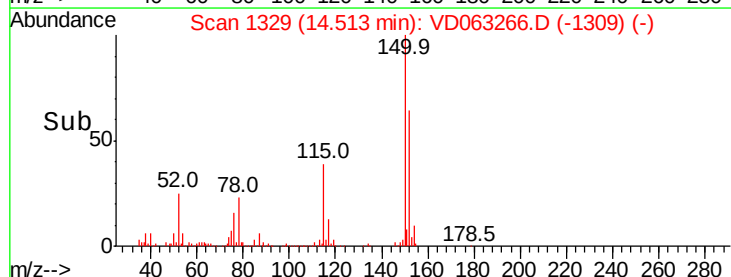
150 157.3 0.0 320.6

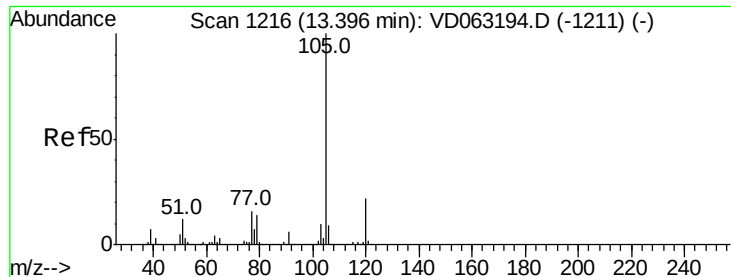


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 41.977 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :

MSVOA_D

ClientSampleId :

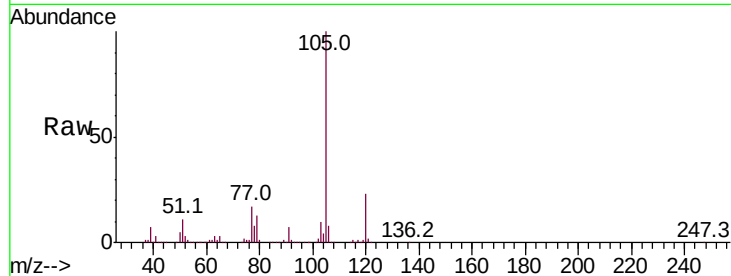
VSTDCCC050EC

Tot Ion:105 Resp: 1568094

Ion Ratio Lower Upper

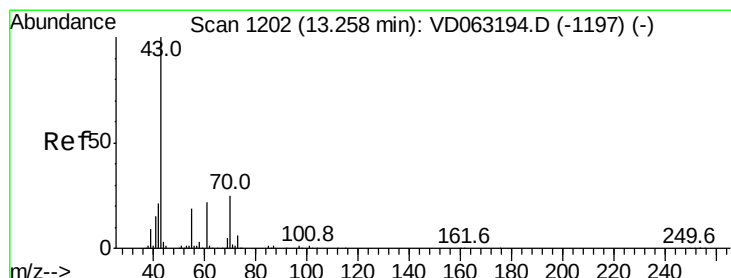
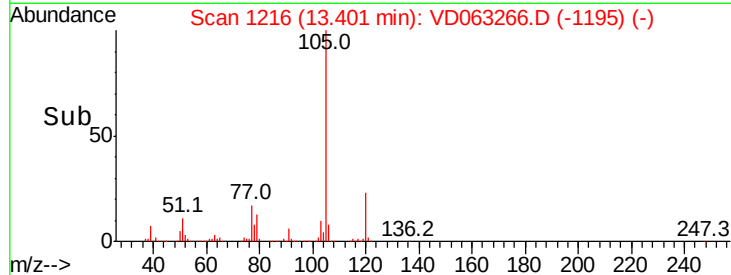
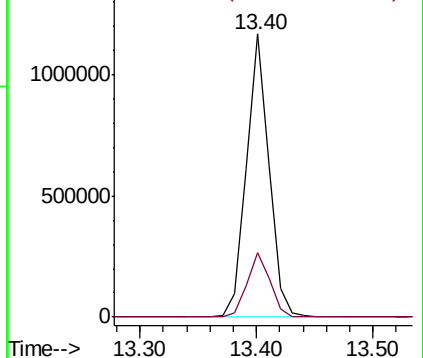
105 100

120 23.0 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 48.001 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Tgt Ion: 43 Resp: 474029

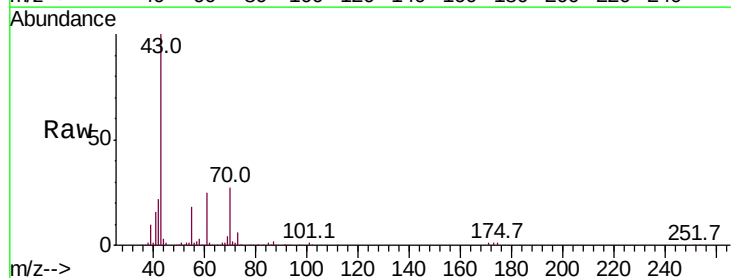
Ion Ratio Lower Upper

43 100

70 27.4 20.2 30.4

55 17.8 14.9 22.3

61 25.4 17.9 26.9

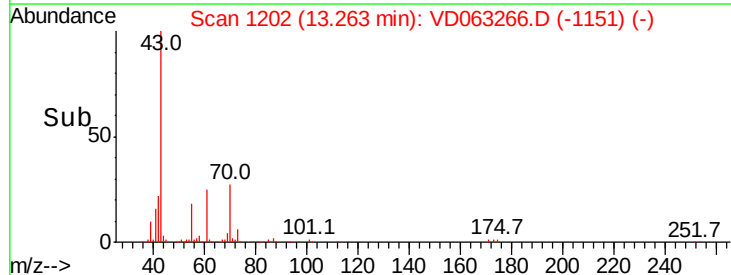
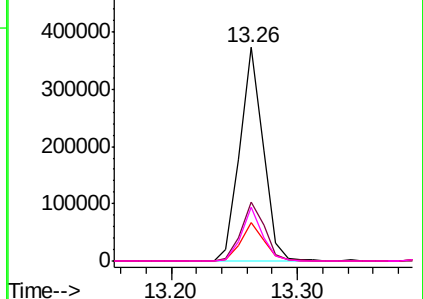


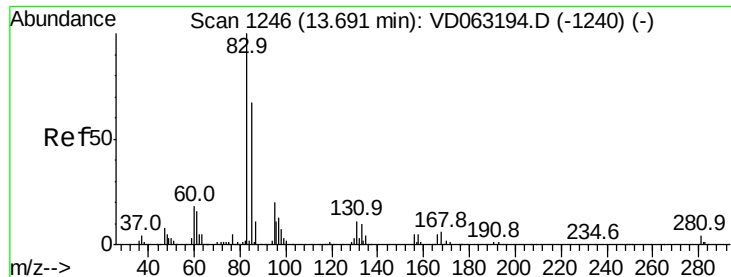
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 53.065 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

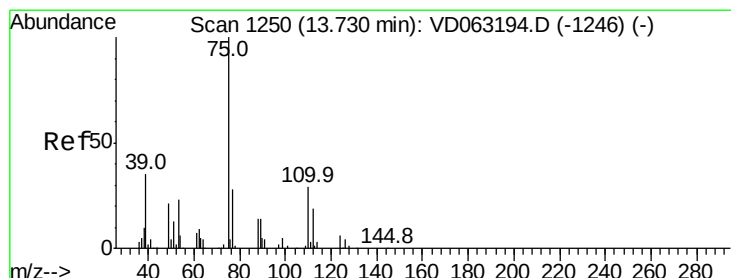
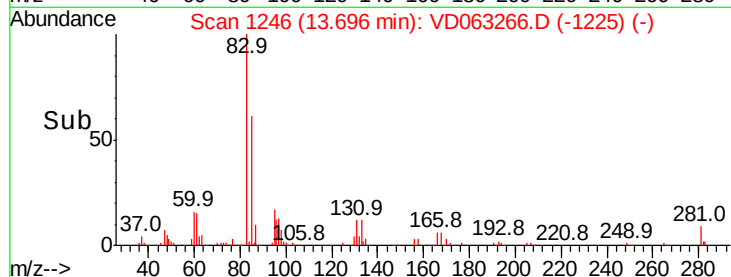
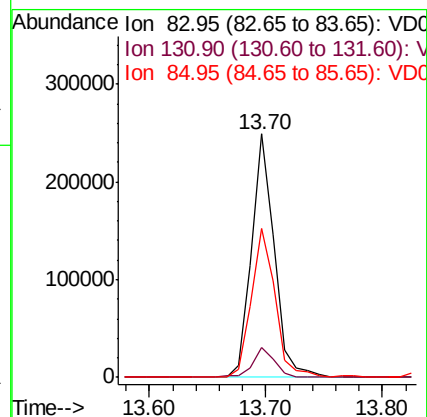
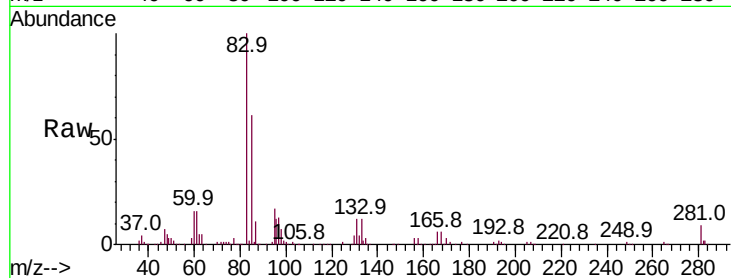
Tot Ion: 83 Resp: 336725

Ion Ratio Lower Upper

83 100

131 12.3 5.5 16.7

85 61.4 33.7 101.1



#76

1,2,3-Trichloropropane

Concen: 49.657 ug/l

RT: 13.73 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VD063266.D

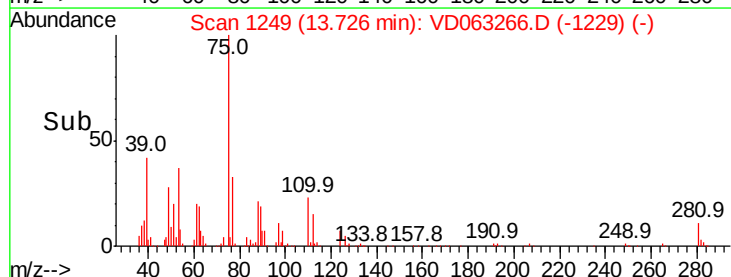
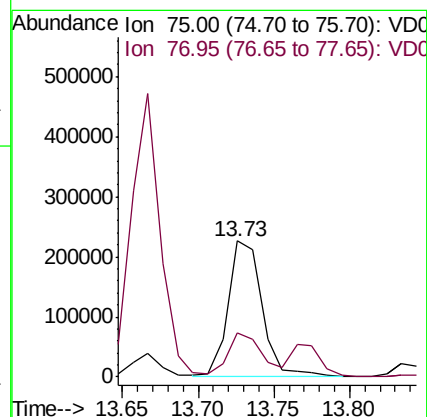
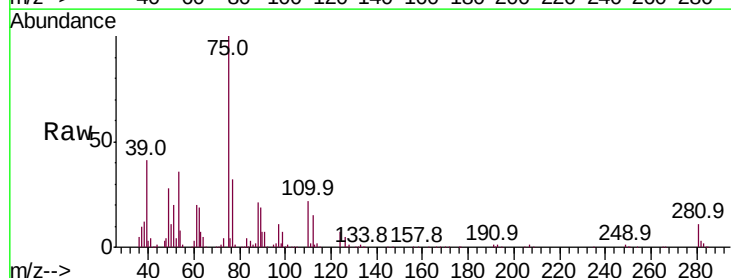
Acq: 31 Jul 2019 4:43

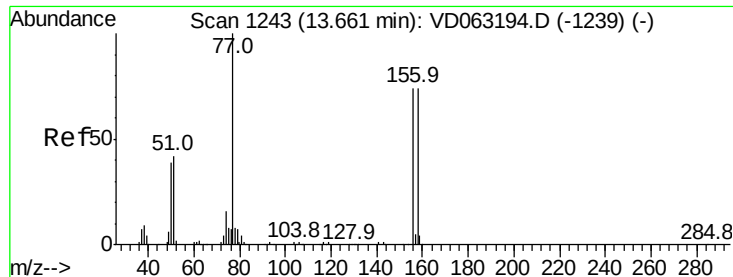
Tgt Ion: 75 Resp: 354997

Ion Ratio Lower Upper

75 100

77 32.4 16.0 48.0





#77

Bromobenzene

Concen: 47.282 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

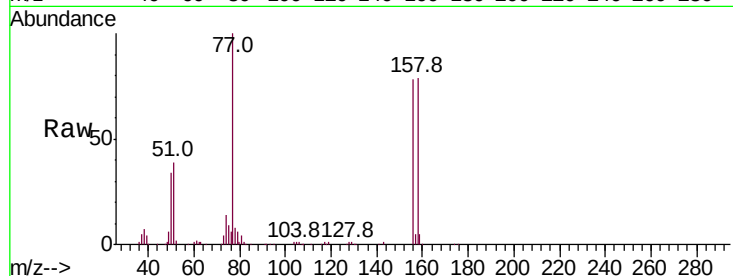
Tot Ion:156 Resp: 503160

Ion Ratio Lower Upper

156 100

77 128.4 67.6 202.8

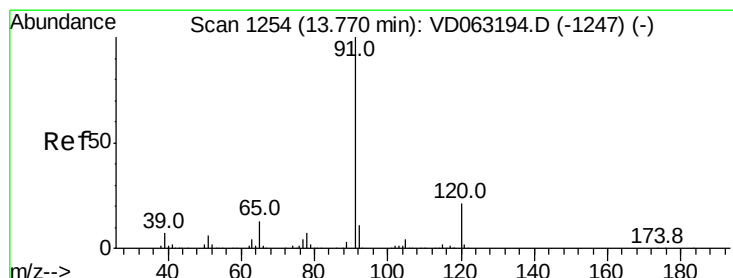
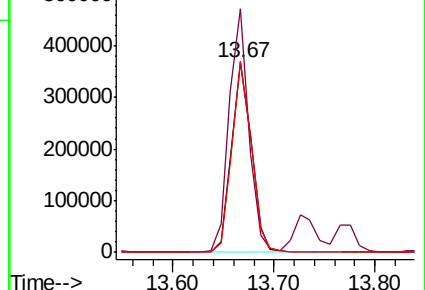
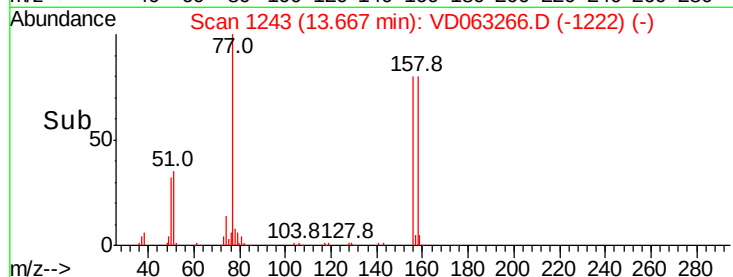
158 101.0 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 41.512 ug/l

RT: 13.78 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD063266.D

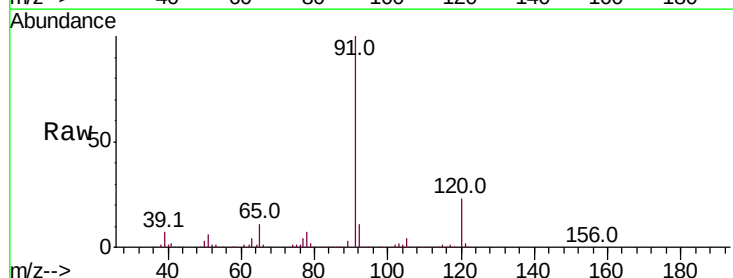
Acq: 31 Jul 2019 4:43

Tgt Ion: 91 Resp: 1845391

Ion Ratio Lower Upper

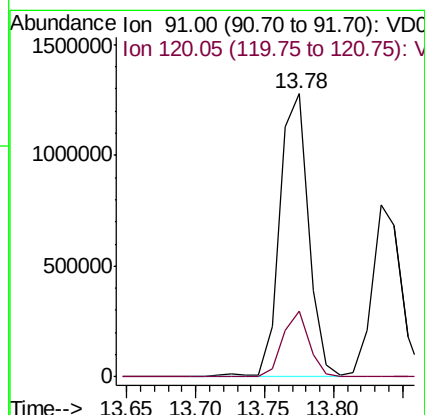
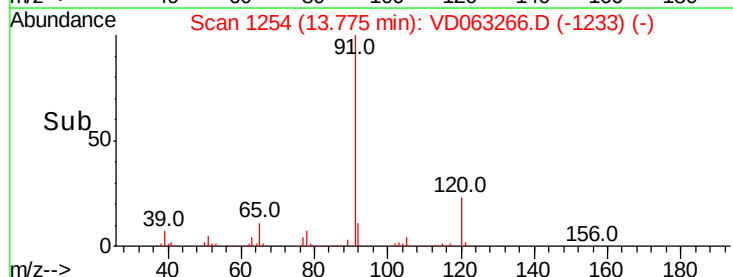
91 100

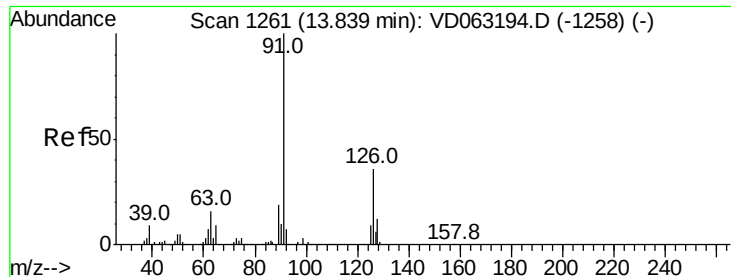
120 23.2 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 43.494 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :

MSVOA_D

ClientSampleId :

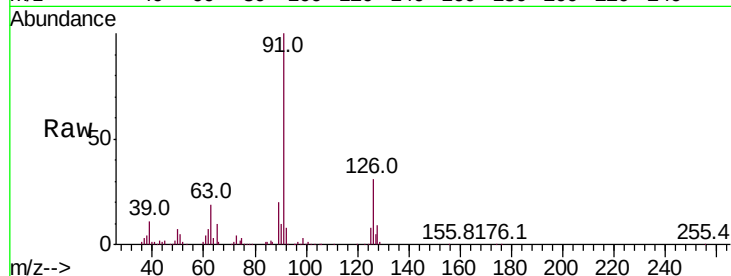
VSTDCCC050EC

Tot Ion: 91 Resp: 1120347

Ion Ratio Lower Upper

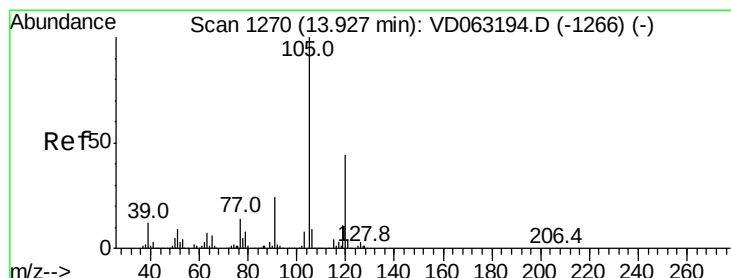
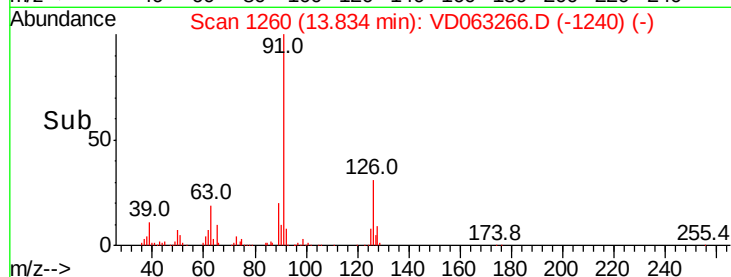
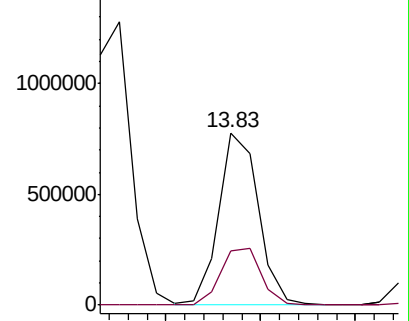
91 100

126 31.5 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: 41.260 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD063266.D

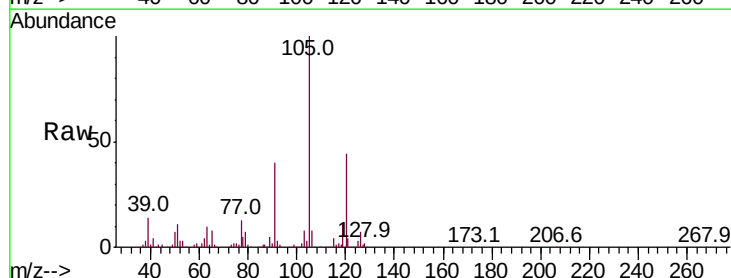
Acq: 31 Jul 2019 4:43

Tgt Ion:105 Resp: 1329368

Ion Ratio Lower Upper

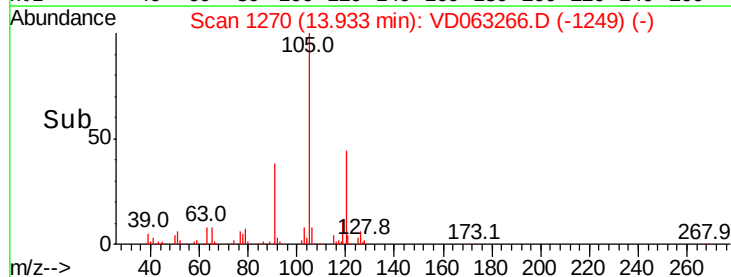
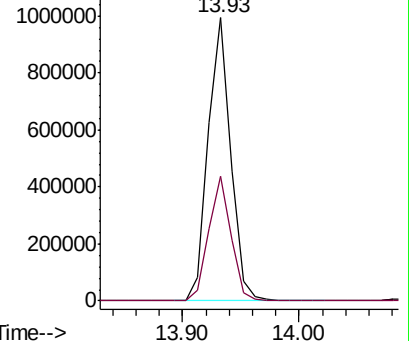
105 100

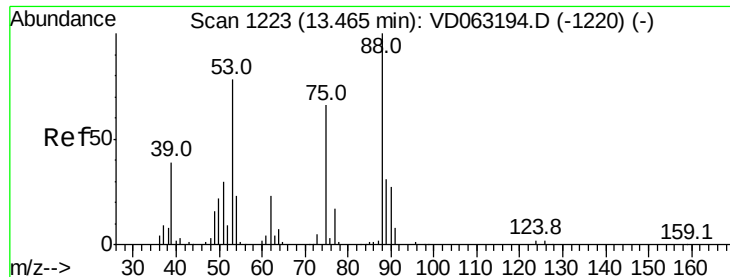
120 44.0 22.1 66.1



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: 46.073 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. 0.01 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

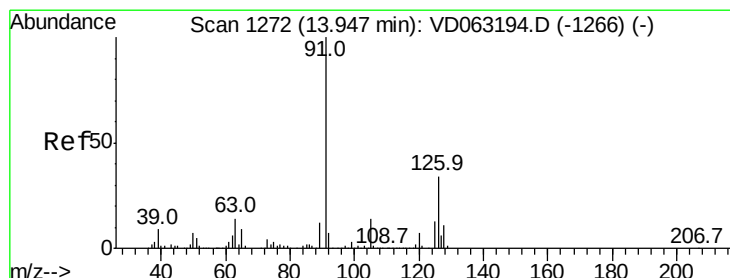
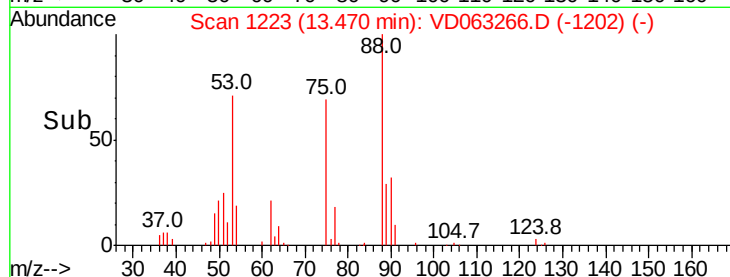
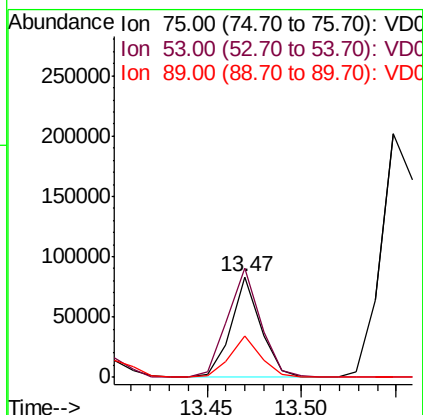
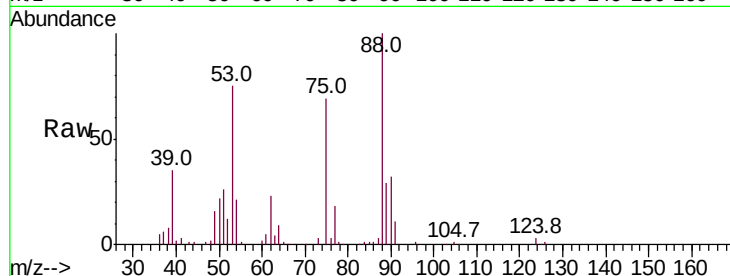
Tot Ion: 75 Resp: 91461

Ion Ratio Lower Upper

75 100

53 109.1 94.9 142.3

89 41.5 37.4 56.0



#82

4-Chlorotoluene

Concen: 44.763 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD063266.D

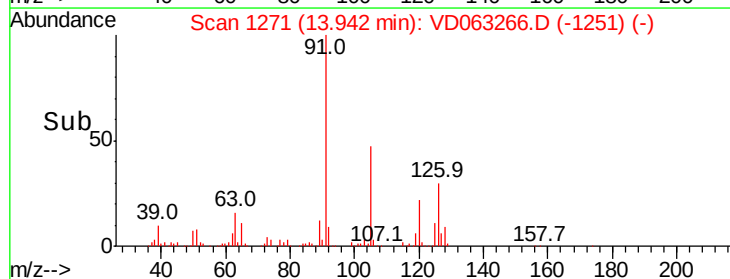
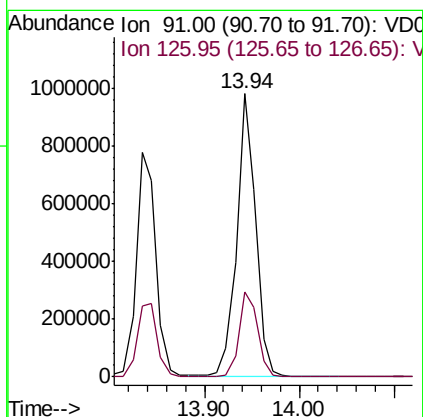
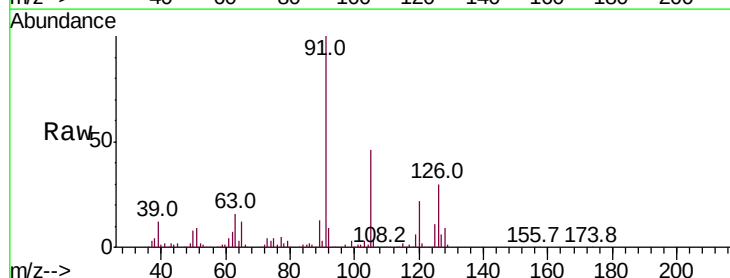
Acq: 31 Jul 2019 4:43

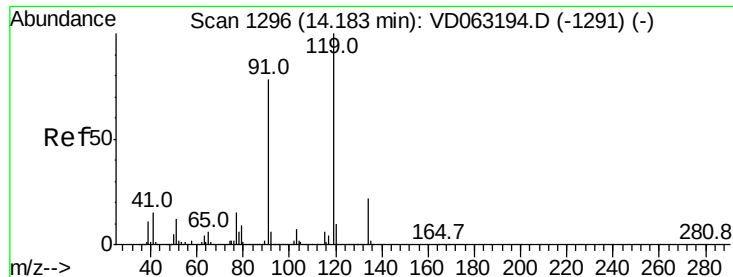
Tgt Ion: 91 Resp: 1356969

Ion Ratio Lower Upper

91 100

126 30.1 17.1 51.2





#83

tert-Butylbenzene

Concen: 44.187 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. 0.01 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

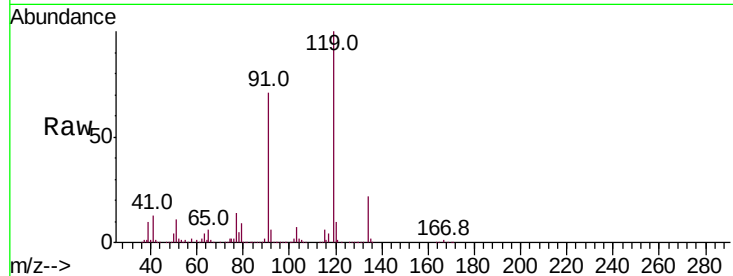
Tot Ion:119 Resp: 1625565

Ion Ratio Lower Upper

119 100

91 71.4 39.1 117.5

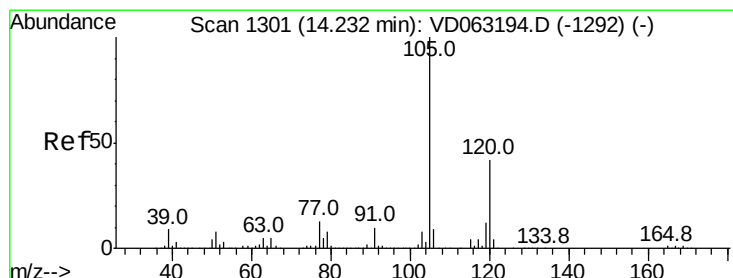
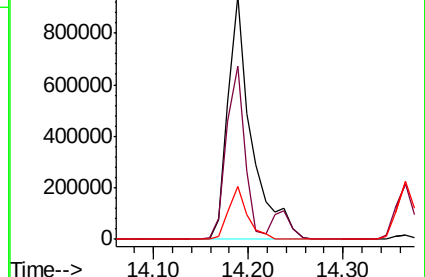
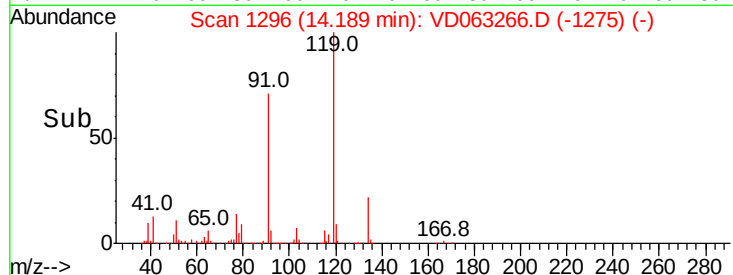
134 21.5 10.9 32.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 43.362 ug/l

RT: 14.24 min Scan# 1301

Delta R.T. 0.01 min

Lab File: VD063266.D

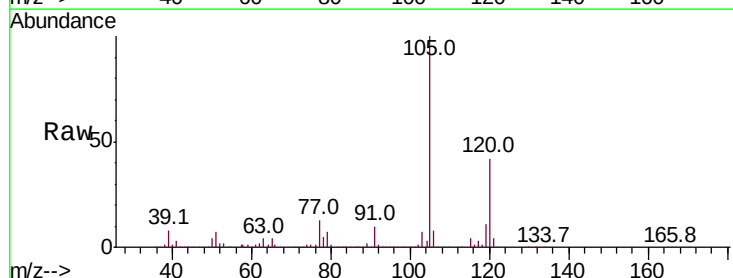
Acq: 31 Jul 2019 4:43

Tgt Ion:105 Resp: 1445067

Ion Ratio Lower Upper

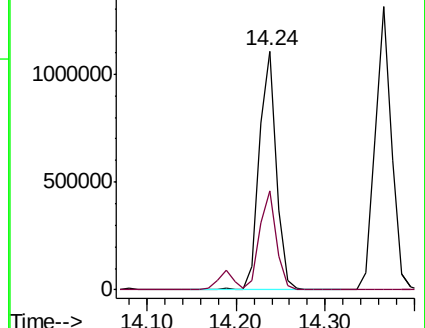
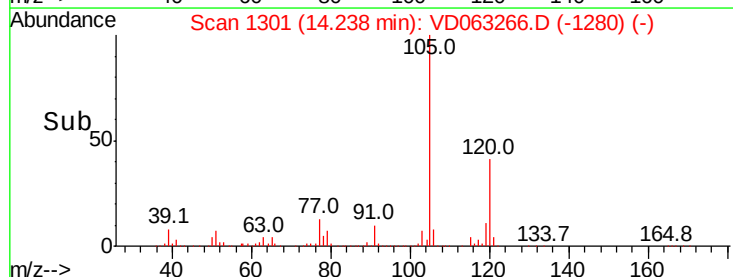
105 100

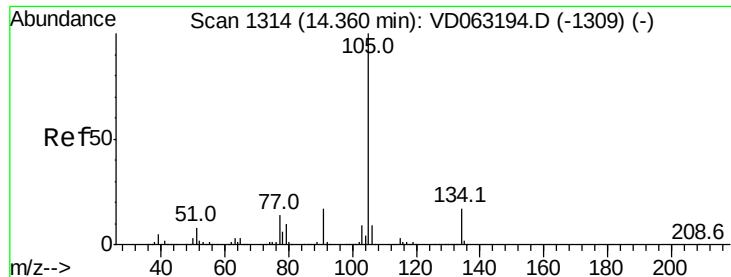
120 41.5 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 42.427 ug/l

RT: 14.37 min Scan# 1314

Delta R.T. 0.01 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

Instrument :

MSVOA_D

ClientSampleId :

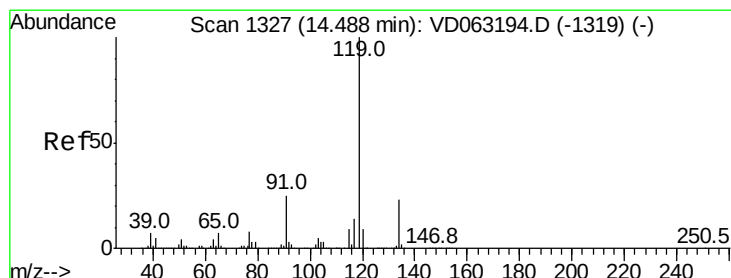
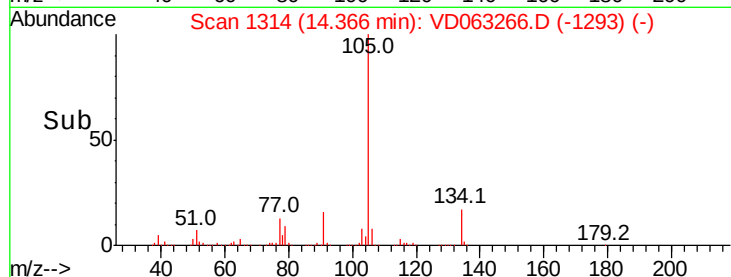
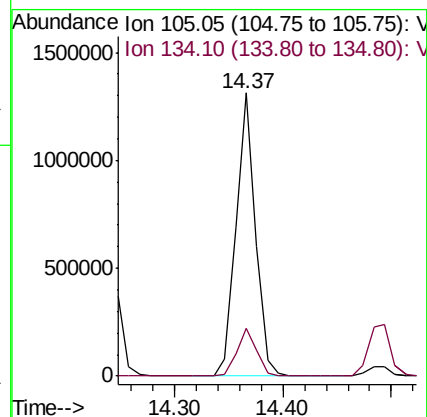
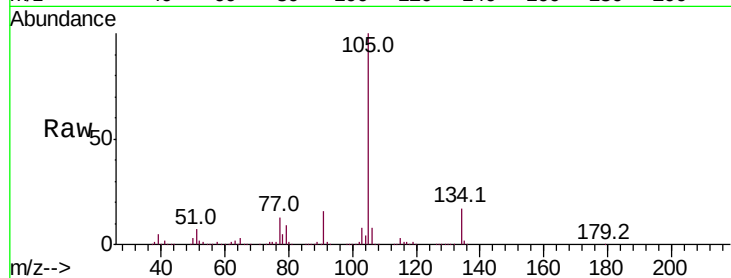
VSTDCCC050EC

Tot Ion:105 Resp: 1644449

Ion Ratio Lower Upper

105 100

134 17.0 8.3 24.9



#86

p-Isopropyltoluene

Concen: 41.624 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VD063266.D

Acq: 31 Jul 2019 4:43

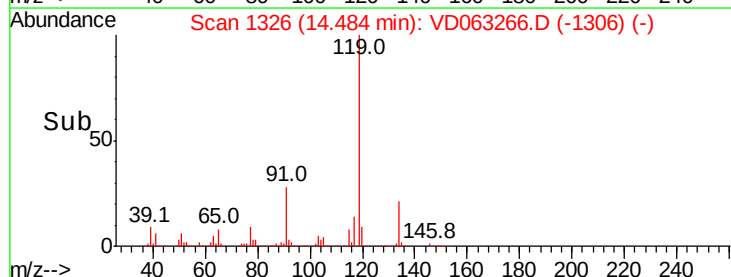
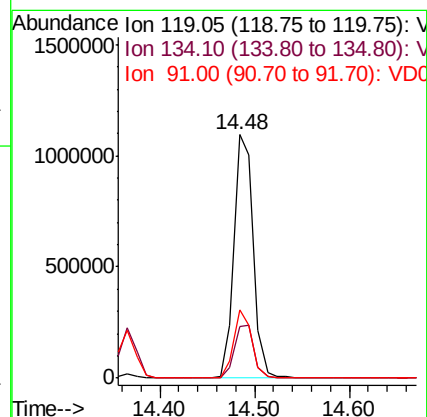
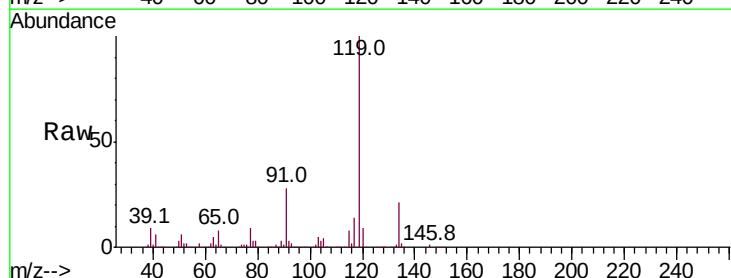
Tgt Ion:119 Resp: 1539849

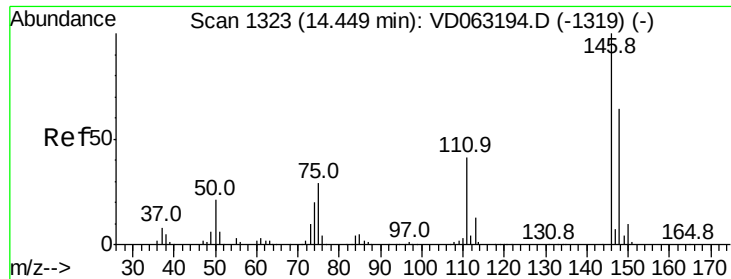
Ion Ratio Lower Upper

119 100

134 21.0 11.5 34.5

91 28.2 12.6 37.6

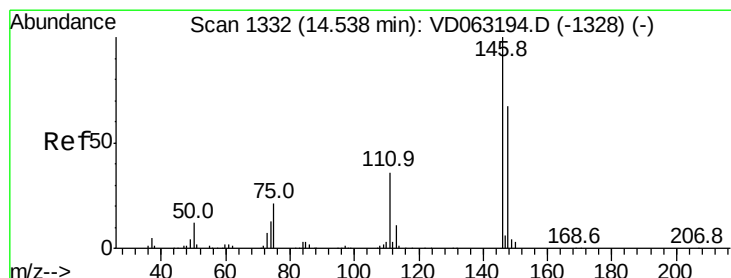
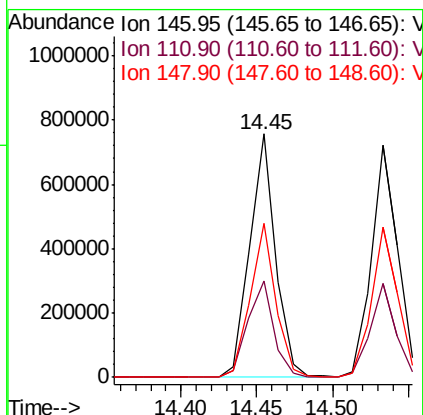
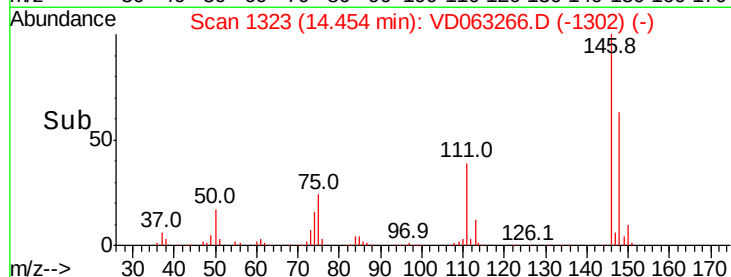
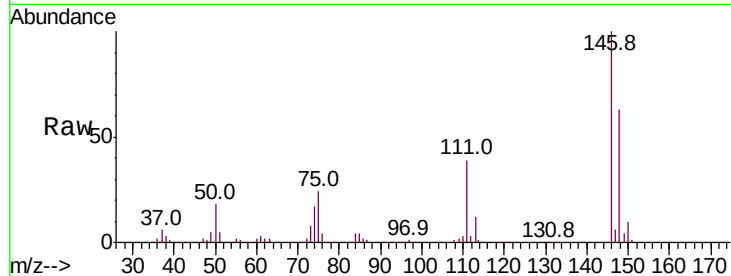




#87
 1,3-Dichlorobenzene
 Concen: 47.840 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VD063266.D
 Acq: 31 Jul 2019 4:43

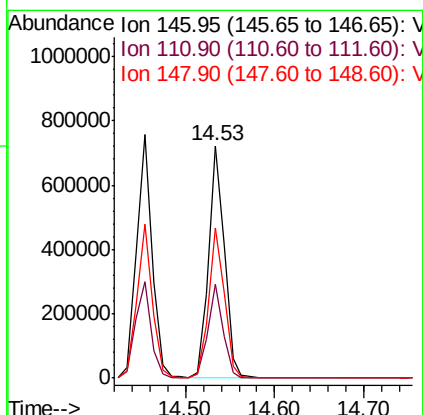
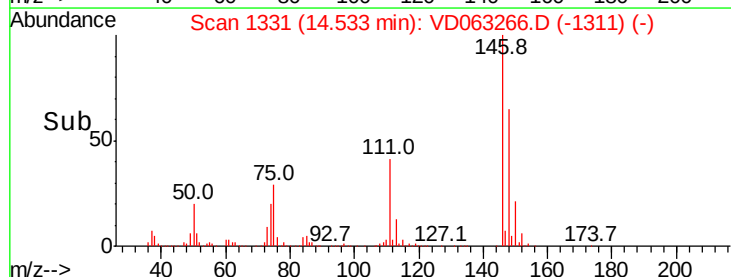
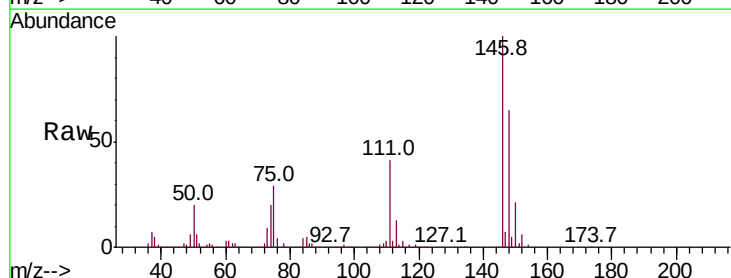
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

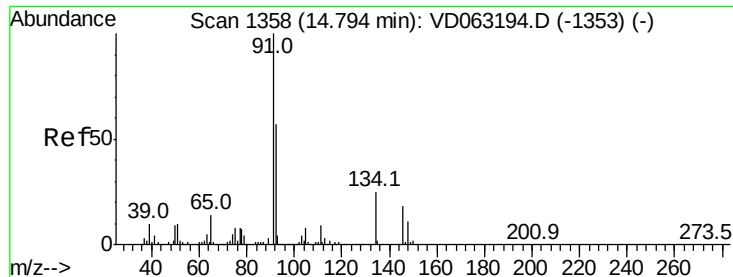
Tot Ion:146 Resp: 901562
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.4 61.3
 148 63.2 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 46.460 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD063266.D
 Acq: 31 Jul 2019 4:43

Tgt Ion:146 Resp: 885391
 Ion Ratio Lower Upper
 146 100
 111 40.6 18.1 54.3
 148 64.8 33.4 100.1

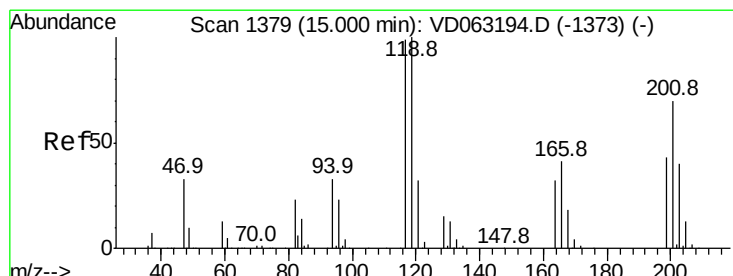
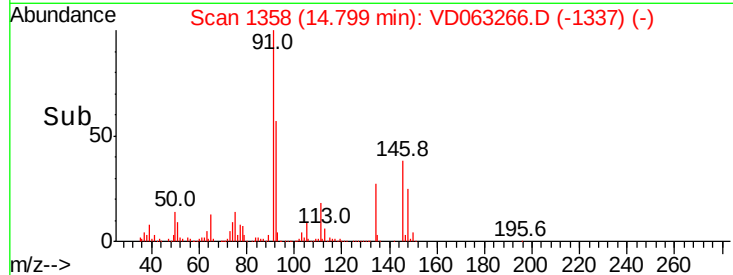
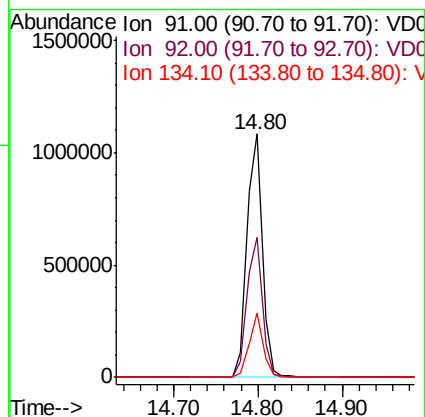
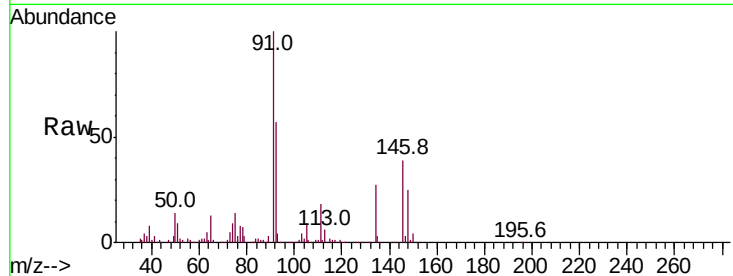




#89
n-Butylbenzene
Concen: 43.251 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.01 min
Lab File: VD063266.D
Acq: 31 Jul 2019 4:43

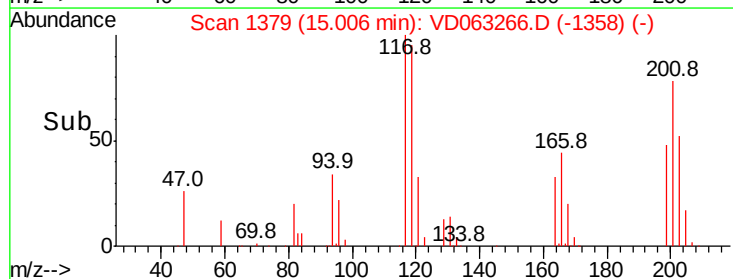
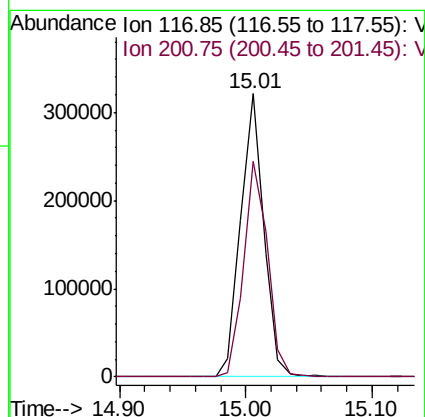
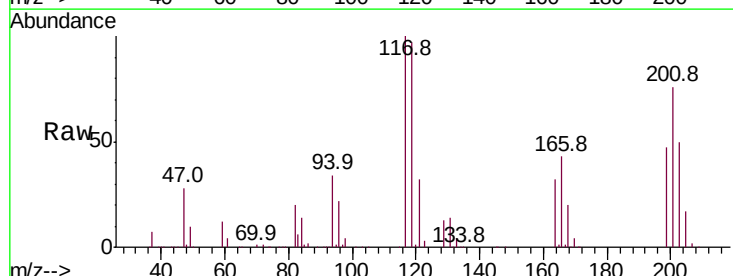
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

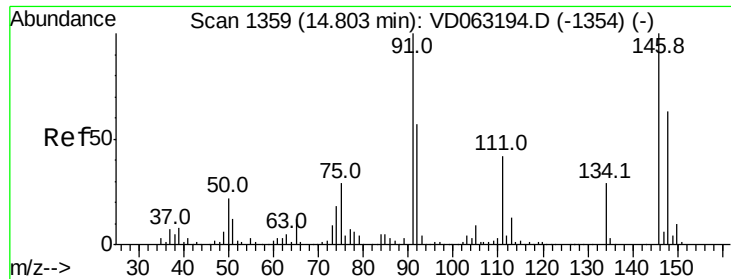
Tot Ion: 91 Resp: 1381926
Ion Ratio Lower Upper
91 100
92 57.4 28.3 85.0
134 26.6 12.3 36.8



#90
Hexachloroethane
Concen: 42.075 ug/l
RT: 15.01 min Scan# 1379
Delta R.T. 0.01 min
Lab File: VD063266.D
Acq: 31 Jul 2019 4:43

Tgt Ion: 117 Resp: 405536
Ion Ratio Lower Upper
117 100
201 76.2 35.2 105.6

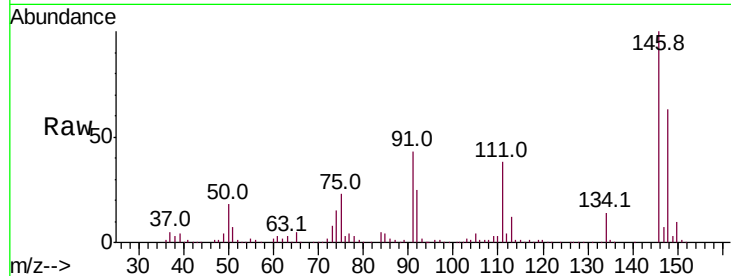




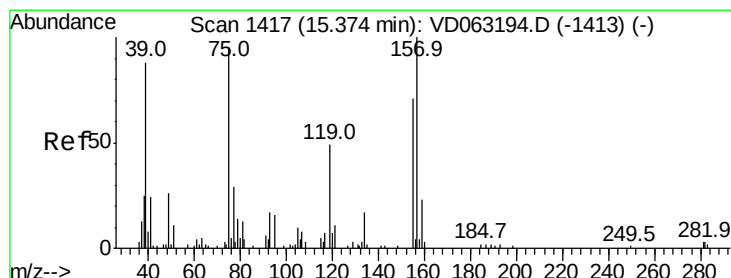
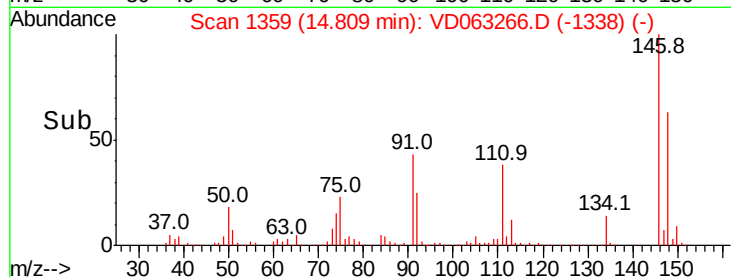
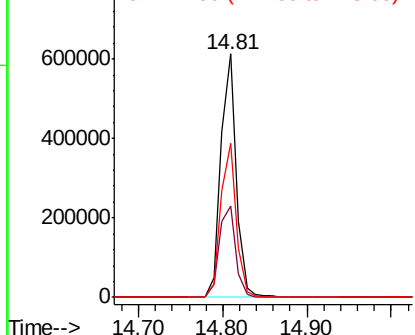
#91
 1,2-Dichlorobenzene
 Concen: 47.237 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD063266.D
 Acq: 31 Jul 2019 4:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 775612
 Ion Ratio Lower Upper
 146 100
 111 37.7 21.1 63.3
 148 63.0 31.6 94.8

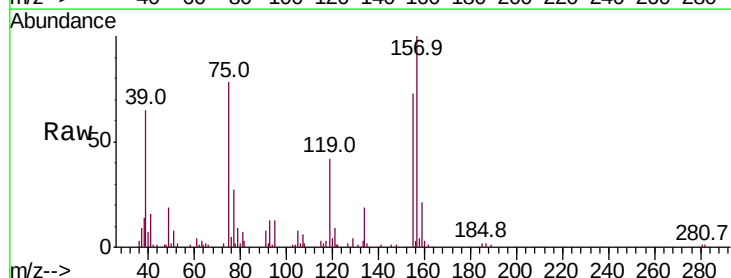


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

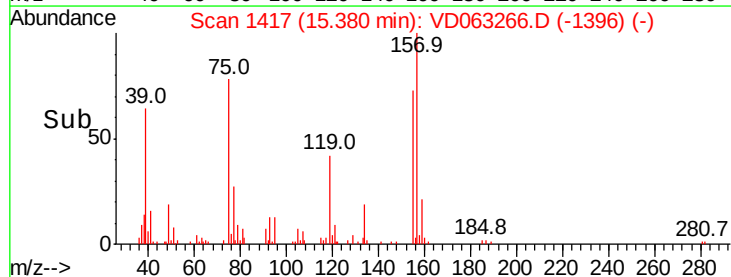
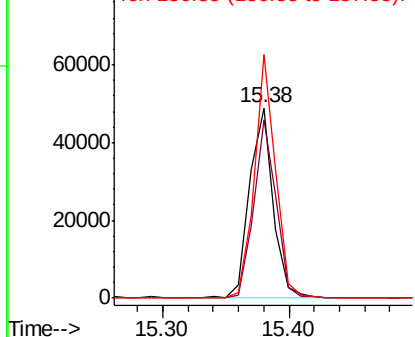


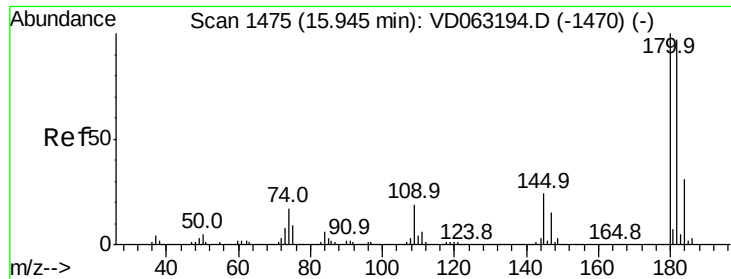
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.055 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VD063266.D
 Acq: 31 Jul 2019 4:43

Tgt Ion: 75 Resp: 63406
 Ion Ratio Lower Upper
 75 100
 155 93.9 37.0 111.0
 157 127.9 52.4 157.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

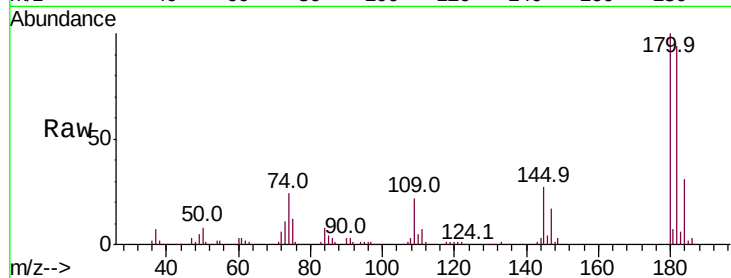




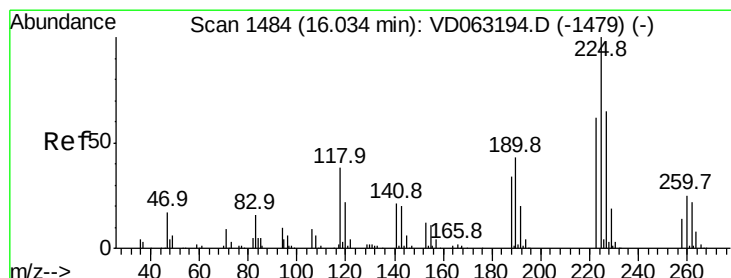
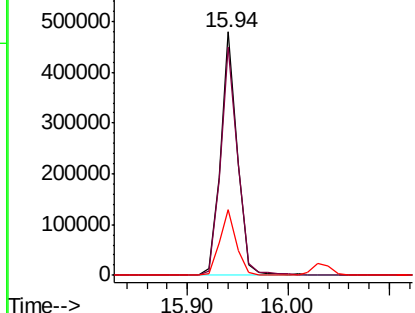
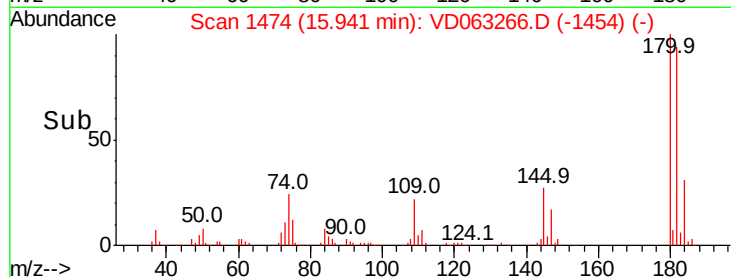
#93
 1,2,4-Trichlorobenzene
 Concen: 42.896 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD063266.D
 Acq: 31 Jul 2019 4:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 558760
 Ion Ratio Lower Upper
 180 100
 182 93.8 48.6 145.8
 145 26.8 12.2 36.6

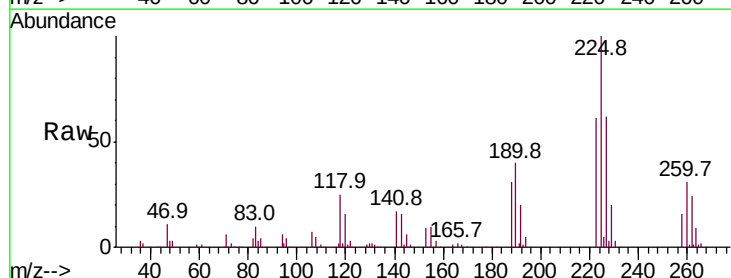


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

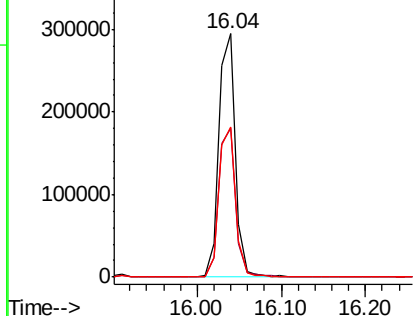
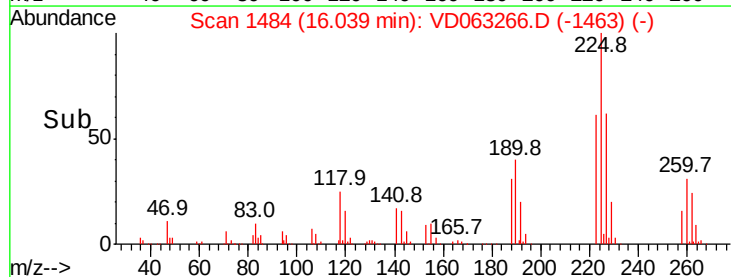


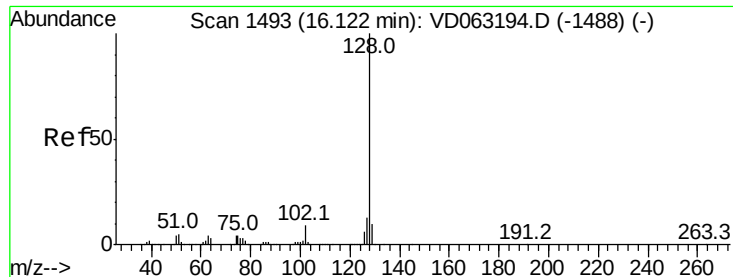
#94
 Hexachlorobutadiene
 Concen: 42.551 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD063266.D
 Acq: 31 Jul 2019 4:43

Tgt Ion:225 Resp: 401668
 Ion Ratio Lower Upper
 225 100
 223 61.0 30.9 92.5
 227 61.5 32.6 97.7



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

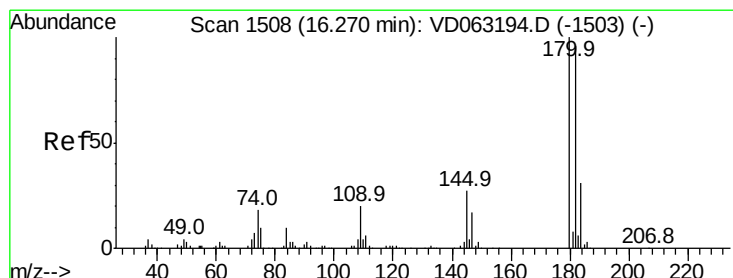
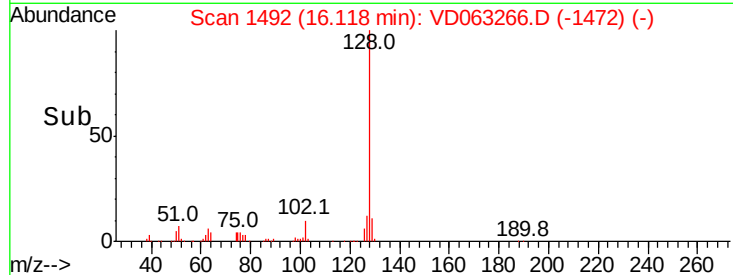
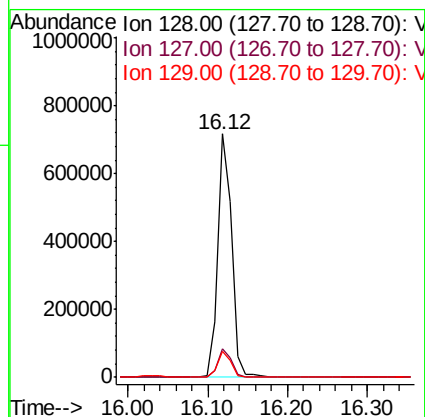
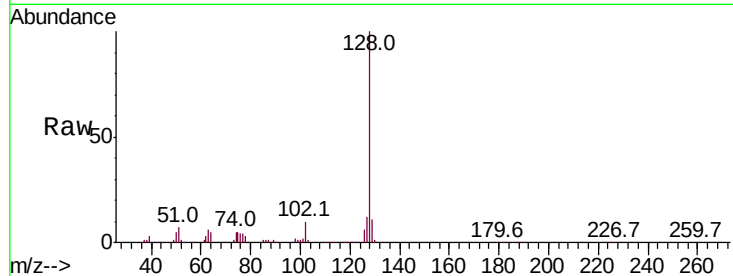




#95
Naphthalene
Concen: 48.284 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD063266.D
Acq: 31 Jul 2019 4:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 888941
Ion Ratio Lower Upper
128 100
127 11.5 10.2 15.4
129 10.5 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 47.392 ug/l
RT: 16.27 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VD063266.D
Acq: 31 Jul 2019 4:43

Tgt Ion:180 Resp: 487678
Ion Ratio Lower Upper
180 100
182 97.7 48.3 144.9
145 29.4 13.6 40.7

