

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081619\
 Data File : VD063628.D
 Acq On : 16 Aug 2019 10:50
 Operator : JC/SY
 Sample : VD0816SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

Quant Time: Aug 17 05:58:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	1076311	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1516833	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1240931	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	630003	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	593213	51.56	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.12%	
35) Dibromofluoromethane	6.91	113	629213	49.25	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.50%	
50) Toluene-d8	10.41	98	1404866	50.02	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.04%	
62) 4-Bromofluorobenzene	13.55	95	638293	50.14	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.28%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.57	85	266557	20.471 ug/l	100
3) Chloromethane	1.74	50	221060	21.728 ug/l	99
4) Vinyl Chloride	1.84	62	220758	21.858 ug/l	95
5) Bromomethane	2.14	94	86946	18.245 ug/l	97
6) Chloroethane	2.25	64	97421	21.093 ug/l #	86
7) Trichlorofluoromethane	2.52	101	414870	20.942 ug/l	95
8) Diethyl Ether	2.87	74	56085	20.052 ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.13	101	243347	20.803 ug/l	97
10) Methyl Iodide	3.29	142	291982	17.641 ug/l	98
11) Tert butyl alcohol	4.08	59	58137	116.081 ug/l #	94
12) 1,1-Dichloroethene	3.11	96	177758	20.439 ug/l	97
13) Acrolein	3.03	56	39657	80.444 ug/l	99
14) Allyl chloride	3.61	41	283944	21.718 ug/l	94
15) Acrylonitrile	4.19	53	140160	105.655 ug/l	97
16) Acetone	3.22	43	250901	107.281 ug/l	99
17) Carbon Disulfide	3.36	76	546769	19.920 ug/l	100
18) Methyl Acetate	3.63	43	89586	20.223 ug/l #	87
19) Methyl tert-butyl Ether	4.23	73	383023	22.022 ug/l	98
20) Methylene Chloride	3.80	84	192763	19.061 ug/l	93
21) trans-1,2-Dichloroethene	4.21	96	202051	22.077 ug/l	98
22) Diisopropyl ether	5.11	45	568477	21.071 ug/l	98
23) Vinyl Acetate	5.04	43	1686848	107.550 ug/l	99
24) 1,1-Dichloroethane	4.97	63	352080	21.041 ug/l	96
25) 2-Butanone	6.07	43	229165	99.214 ug/l	94
26) 2,2-Dichloropropane	6.01	77	368392	22.103 ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	206645	20.637 ug/l	93
28) Bromochloromethane	6.42	49	131595	19.404 ug/l	91
29) Tetrahydrofuran	6.45	42	121503	112.888 ug/l	98
30) Chloroform	6.66	83	427942	20.575 ug/l	98
31) Cyclohexane	6.95	56	204968	19.731 ug/l	93
32) 1,1,1-Trichloroethane	6.85	97	404221	20.317 ug/l	98
36) 1,1-Dichloropropene	7.14	75	277757	20.714 ug/l	97
37) Ethyl Acetate	6.17	43	130727	23.266 ug/l #	94
38) Carbon Tetrachloride	7.10	117	397925	19.690 ug/l	92

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	220330	19.323	ug/l	96
40) Benzene	7.44	78	608910	20.635	ug/l	100
41) Methacrylonitrile	6.44	41	143794	20.325	ug/l	99
42) 1,2-Dichloroethane	7.57	62	310283	20.912	ug/l	98
43) Isopropyl Acetate	9.23	43	156633	20.814	ug/l #	100
44) Trichloroethene	8.53	130	239637	21.246	ug/l	95
45) 1,2-Dichloropropane	8.93	63	152011	22.121	ug/l	94
46) Dibromomethane	9.06	93	119391	20.344	ug/l #	85
47) Bromodichloromethane	9.36	83	306941	20.390	ug/l	98
48) Methyl methacrylate	9.11	41	98290	19.259	ug/l	98
49) 1,4-Dioxane	9.08	88	19616	444.510	ug/l #	79
51) 4-Methyl-2-Pentanone	10.30	43	569398	110.575	ug/l	98
52) Toluene	10.51	92	396609	20.867	ug/l	95
53) t-1,3-Dichloropropene	10.91	75	268923	21.891	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	275337	19.877	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	132456	20.631	ug/l	97
56) Ethyl methacrylate	11.04	69	160468	23.027	ug/l	92
57) 1,3-Dichloropropane	11.40	76	205899	21.216	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.85	63	375217	101.991	ug/l	98
59) 2-Hexanone	11.53	43	417205	111.347	ug/l	98
60) Dibromochloromethane	11.68	129	236946	20.282	ug/l	90
61) 1,2-Dibromoethane	11.81	107	161254	20.747	ug/l	98
64) Tetrachloroethene	11.25	164	218429	22.801	ug/l	96
65) Chlorobenzene	12.40	112	497836	21.405	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.50	131	218553	21.352	ug/l	99
67) Ethyl Benzene	12.51	91	875519	21.650	ug/l	96
68) m/p-Xylenes	12.66	106	634024	44.625	ug/l	100
69) o-Xylene	13.05	106	274303	20.059	ug/l	99
70) Styrene	13.07	104	507555	20.866	ug/l	98
71) Bromoform	13.23	173	153343	21.848	ug/l	94
73) Isopropylbenzene	13.40	105	896929	22.383	ug/l	99
74) N-amyl acetate	13.26	43	232160	23.079	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	149456	22.471	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	168694	23.331	ug/l	99
77) Bromobenzene	13.67	156	260023	23.743	ug/l	89
78) n-propylbenzene	13.76	91	1028285	21.932	ug/l	95
79) 2-Chlorotoluene	13.83	91	636657	23.551	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	725611	20.725	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	38248	19.682	ug/l	90
82) 4-Chlorotoluene	13.94	91	710492	21.856	ug/l	99
83) tert-Butylbenzene	14.19	119	872607	23.668	ug/l	100
84) 1,2,4-Trimethylbenzene	14.24	105	762101	23.525	ug/l	93
85) sec-Butylbenzene	14.37	105	848424	21.669	ug/l	99
86) p-Isopropyltoluene	14.48	119	874250	23.352	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	447546	22.592	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	406489	21.388	ug/l	98
89) n-Butylbenzene	14.80	91	744056	21.776	ug/l	94
90) Hexachloroethane	15.01	117	212849	22.620	ug/l	87
91) 1,2-Dichlorobenzene	14.81	146	374795	22.300	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	27401	21.879	ug/l	94

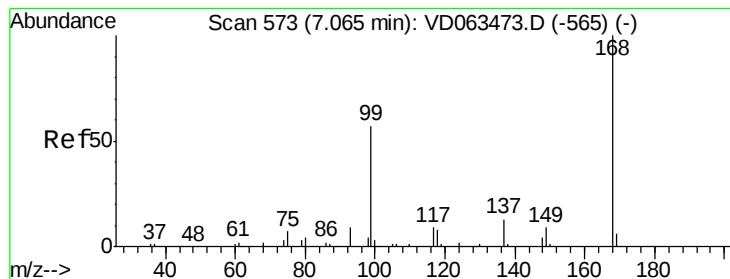
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD081619\
Data File : VD063628.D
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QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	299947	24.254	ug/l	94
94) Hexachlorobutadiene	16.03	225	199611	21.178	ug/l	99
95) Naphthalene	16.12	128	396504	21.156	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	211229	21.147	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.03 min

Lab File: VD063628.D

Acq: 16 Aug 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

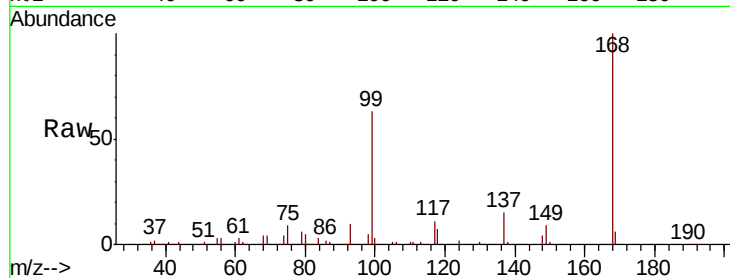
VD0816SBS01

Tgt Ion:168 Resp: 1076311

Ion Ratio Lower Upper

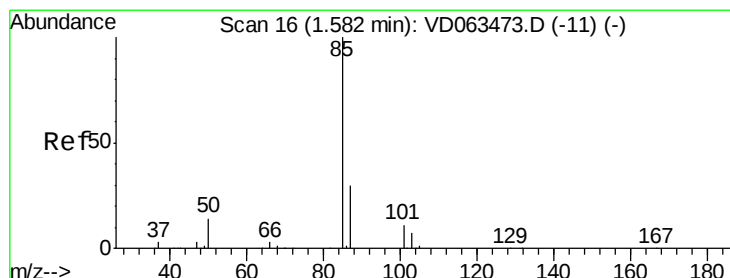
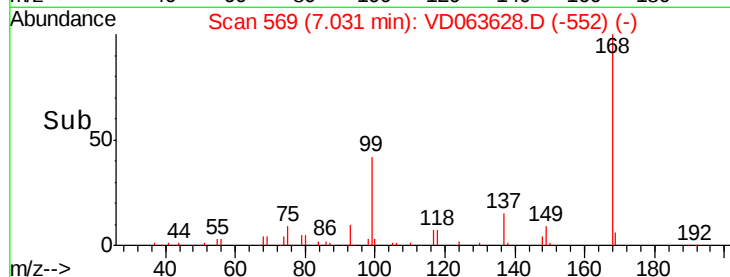
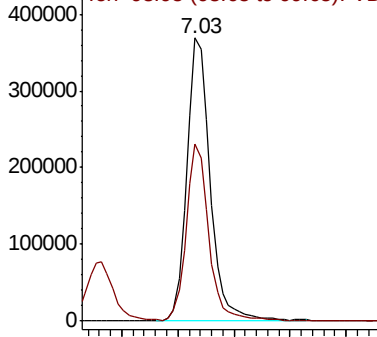
168 100

99 62.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.471 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD063628.D

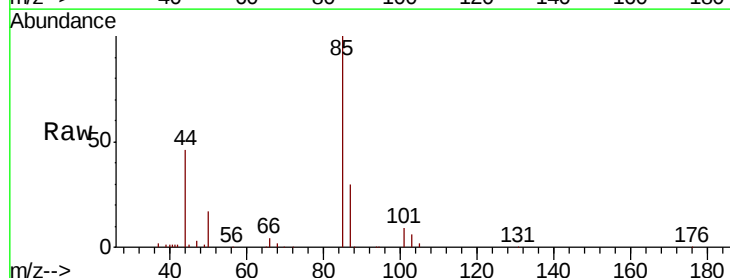
Acq: 16 Aug 2019 10:50

Tgt Ion: 85 Resp: 266557

Ion Ratio Lower Upper

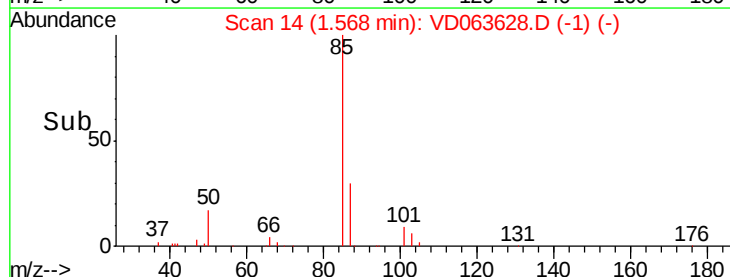
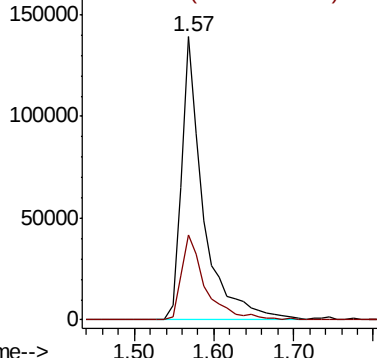
85 100

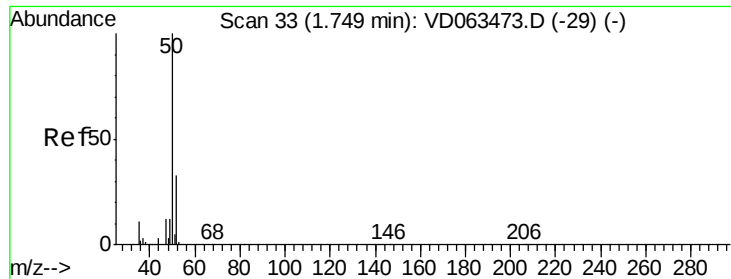
87 30.2 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.728 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063628.D

Acq: 16 Aug 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

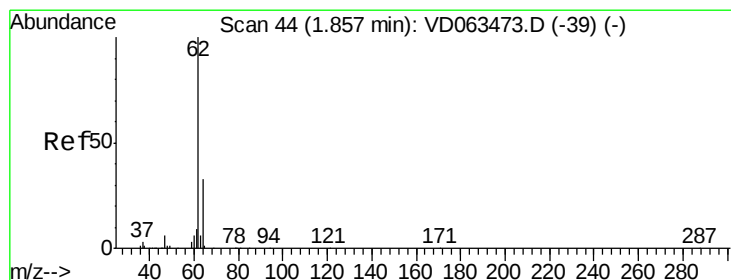
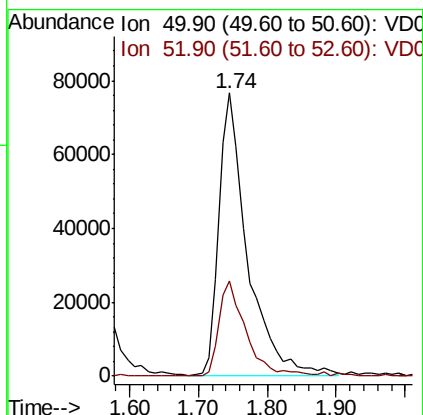
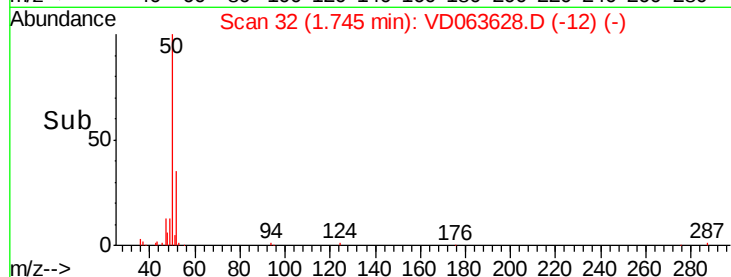
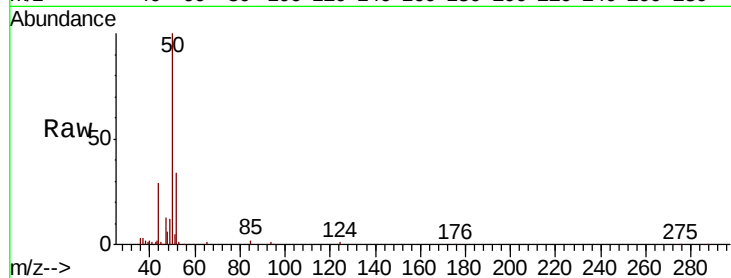
VD0816SBS01

Tgt Ion: 50 Resp: 221060

Ion Ratio Lower Upper

50 100

52 33.8 26.6 40.0



#4

Vinyl Chloride

Concen: 21.858 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD063628.D

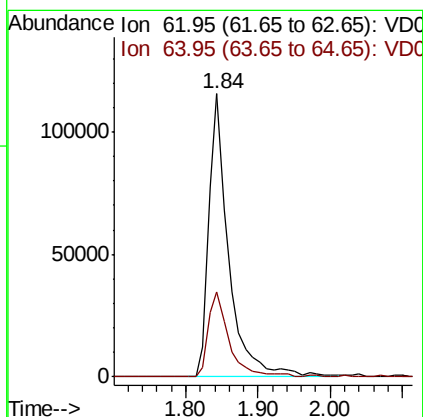
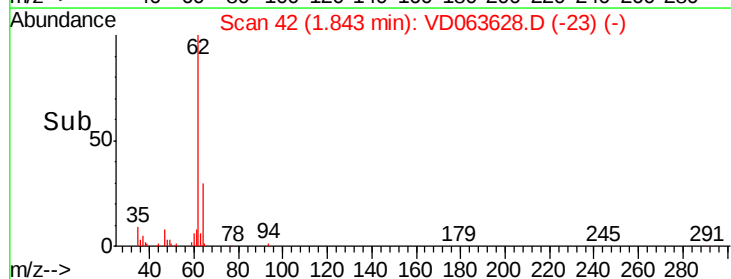
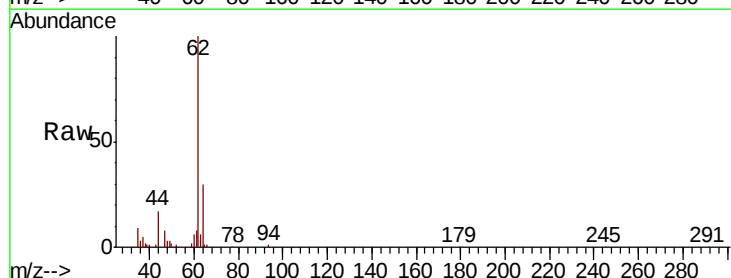
Acq: 16 Aug 2019 10:50

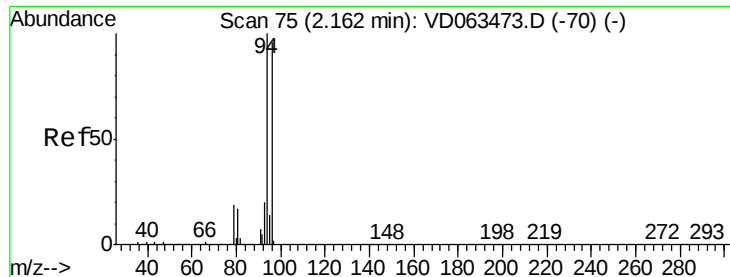
Tgt Ion: 62 Resp: 220758

Ion Ratio Lower Upper

62 100

64 30.0 26.4 39.6





#5

Bromomethane

Concen: 18.245 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD063628.D

Acq: 16 Aug 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBS01

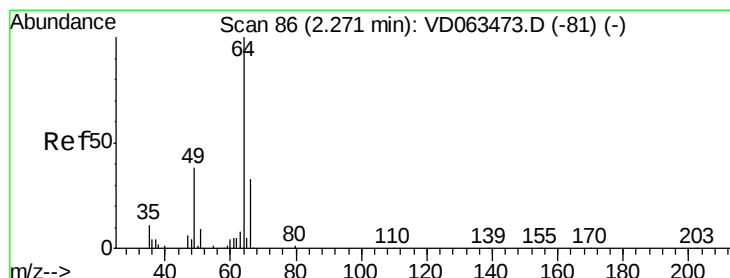
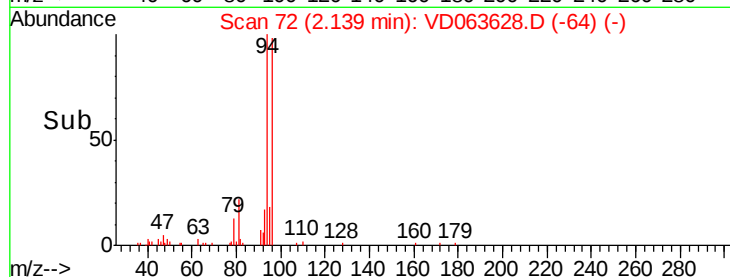
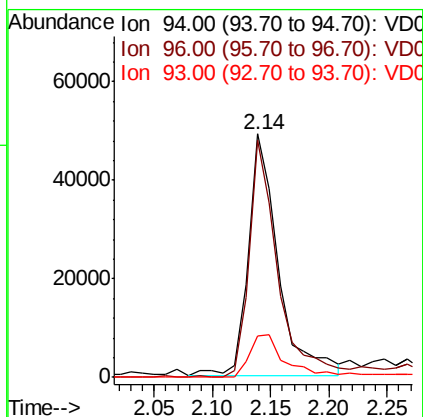
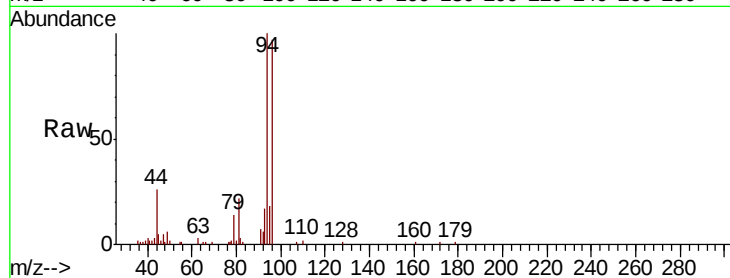
Tgt Ion: 94 Resp: 86946

Ion Ratio Lower Upper

94 100

96 97.5 76.5 114.7

93 17.1 15.8 23.8



#6

Chloroethane

Concen: 21.093 ug/l

RT: 2.25 min Scan# 83

Delta R.T. -0.02 min

Lab File: VD063628.D

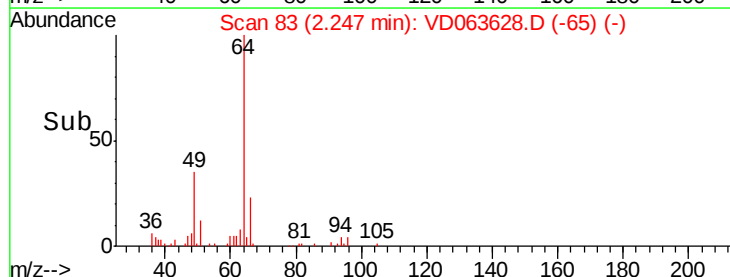
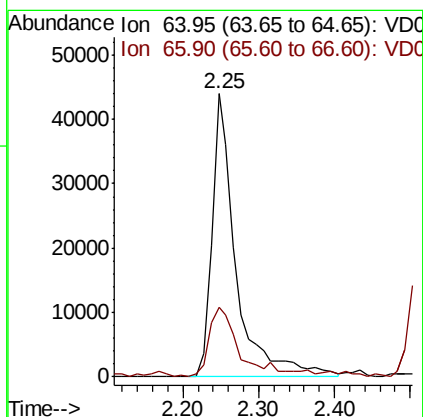
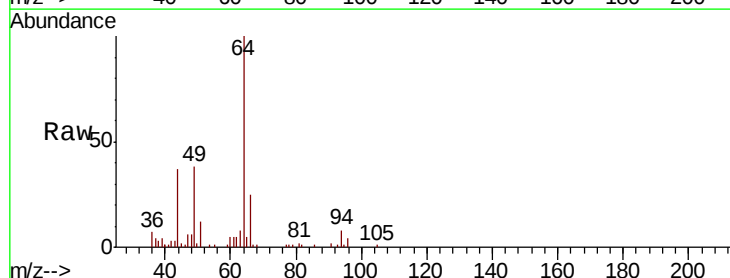
Acq: 16 Aug 2019 10:50

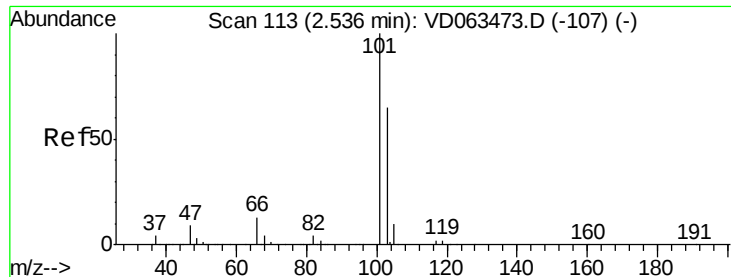
Tgt Ion: 64 Resp: 97421

Ion Ratio Lower Upper

64 100

66 24.8 26.3 39.5#



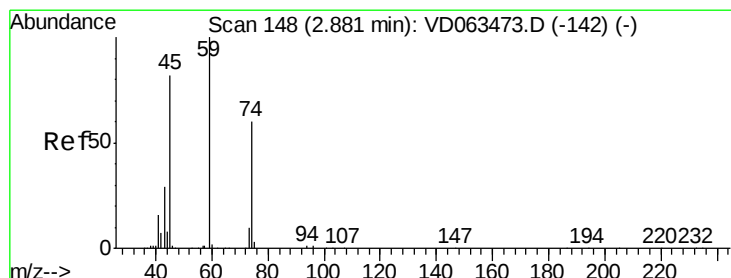
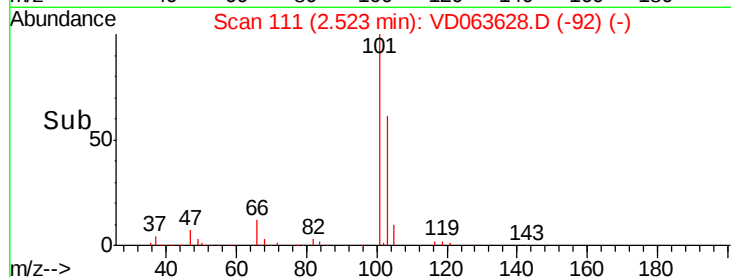
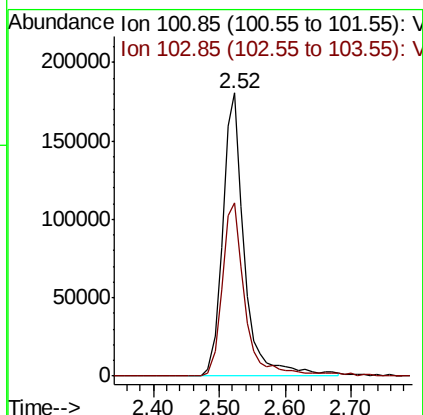
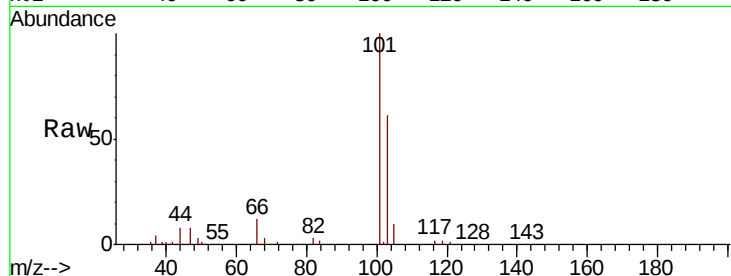


#7

Trichlorofluoromethane
Concen: 20.942 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD063628.D
Acq: 16 Aug 2019 10:50

Instrument :
MSVOA_D
ClientSampleId :
VD0816SBS01

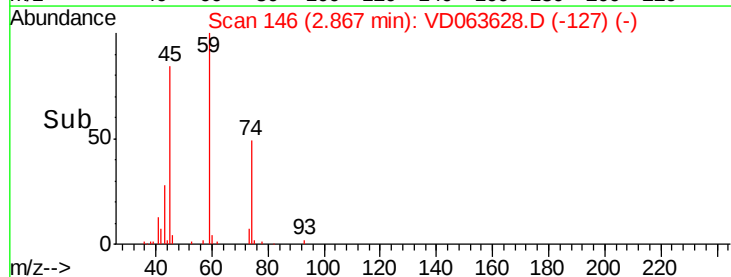
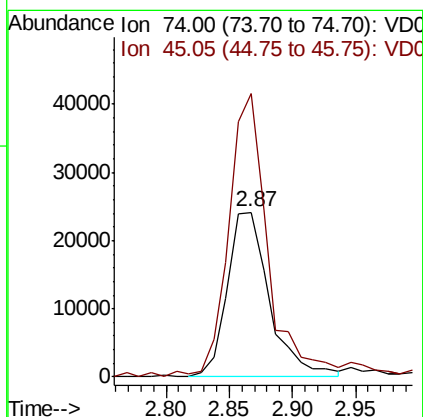
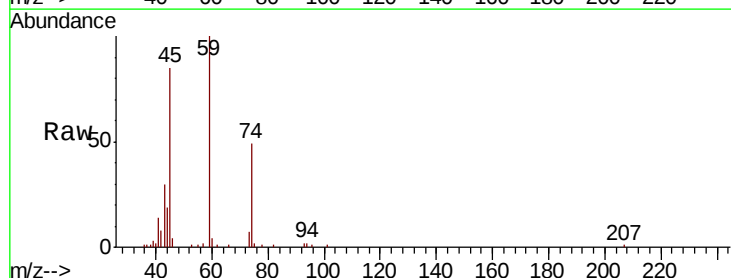
Tgt Ion:101 Resp: 414870
Ion Ratio Lower Upper
101 100
103 61.4 52.2 78.4

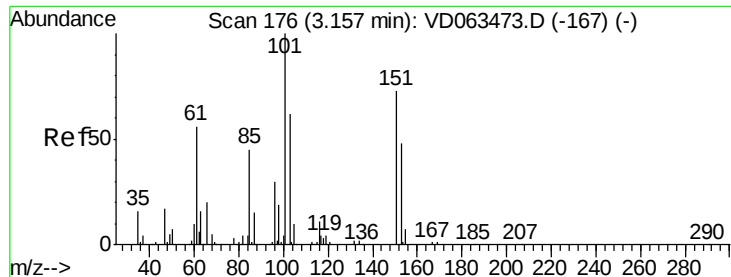


#8

Diethyl Ether
Concen: 20.052 ug/l
RT: 2.87 min Scan# 146
Delta R.T. -0.01 min
Lab File: VD063628.D
Acq: 16 Aug 2019 10:50

Tgt Ion: 74 Resp: 56085
Ion Ratio Lower Upper
74 100
45 172.2 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.803 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.02 min

Lab File: VD063628.D

Acq: 16 Aug 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBS01

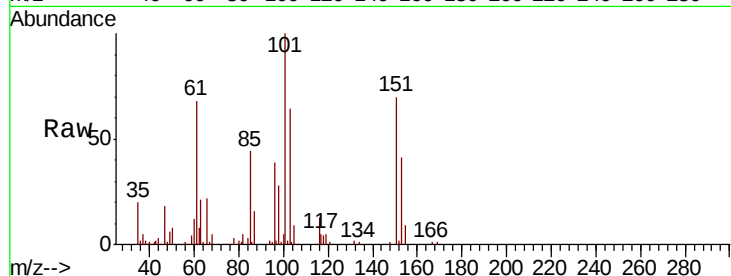
Tgt Ion:101 Resp: 243347

Ion Ratio Lower Upper

101 100

85 44.0 35.8 53.6

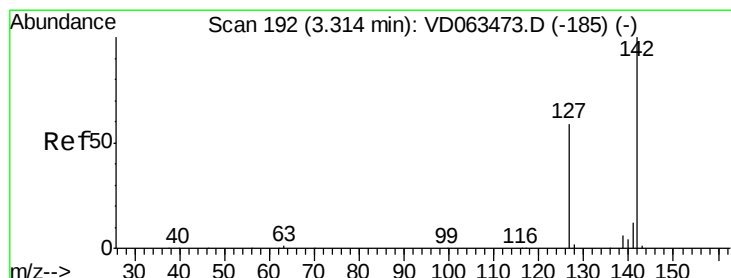
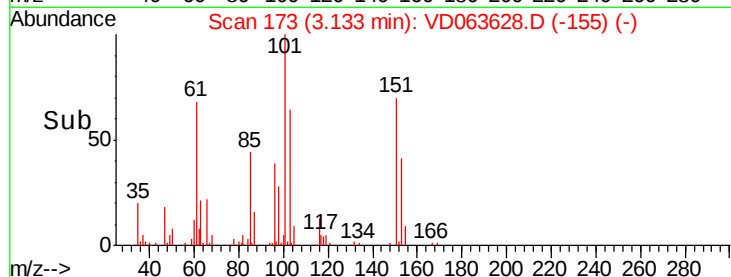
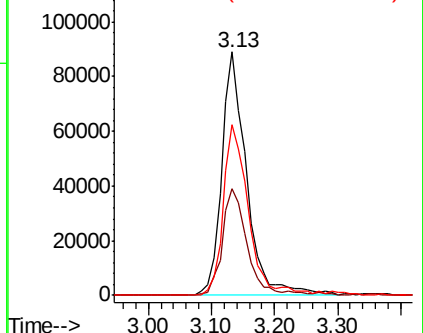
151 70.2 58.6 88.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 17.641 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.02 min

Lab File: VD063628.D

Acq: 16 Aug 2019 10:50

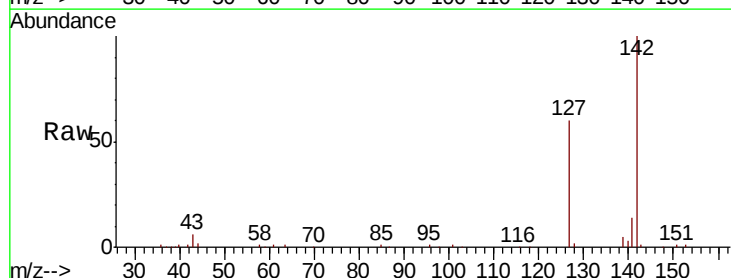
Tgt Ion:142 Resp: 291982

Ion Ratio Lower Upper

142 100

127 59.9 47.2 70.8

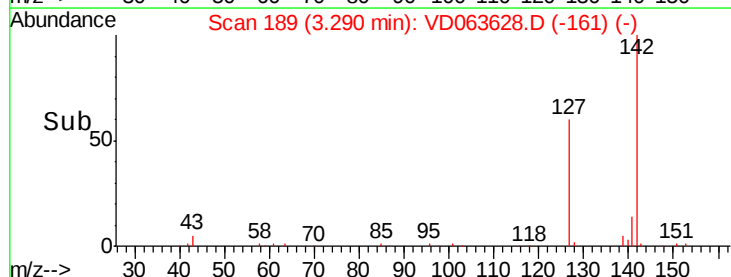
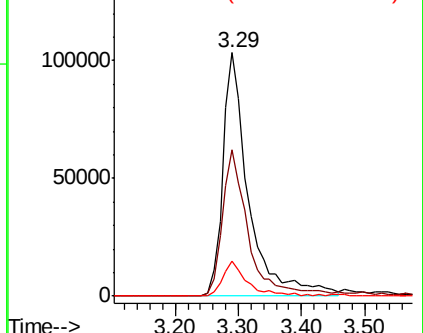
141 14.3 9.8 14.8

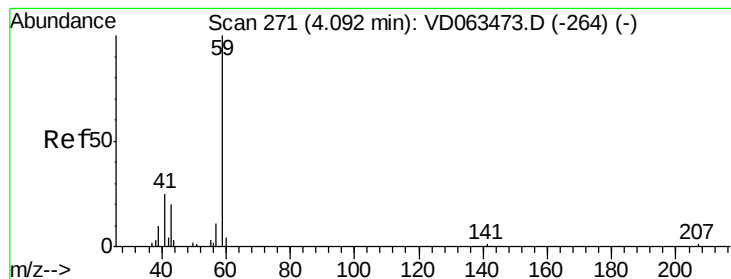


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



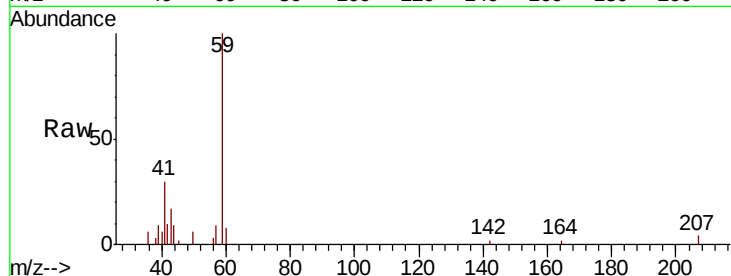


#11

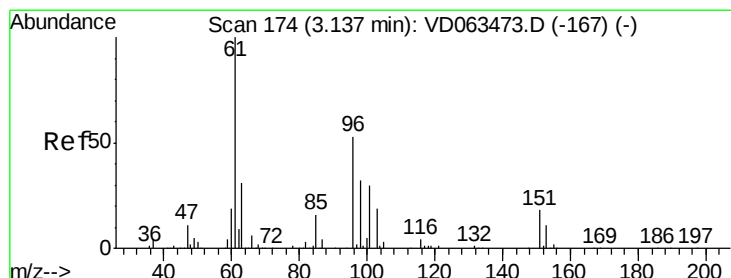
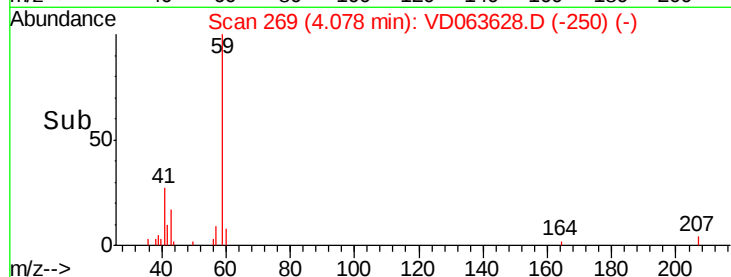
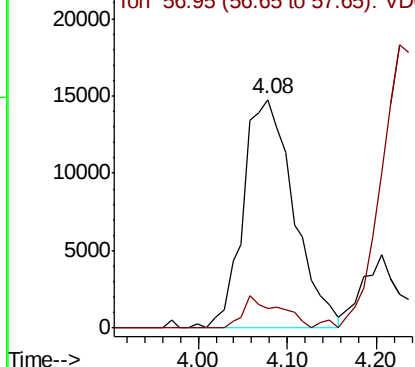
Tert butyl alcohol
Concen: 116.081 ug/l
RT: 4.08 min Scan# 269
Delta R.T. -0.01 min
Lab File: VD063628.D
Acq: 16 Aug 2019 10:50

Instrument :
MSVOA_D
ClientSampleId :
VD0816SBS01

Tgt Ion: 59 Resp: 58137
Ion Ratio Lower Upper
59 100
57 8.6 8.7 13.1#



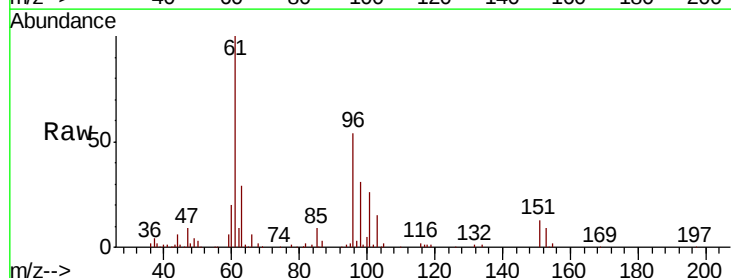
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



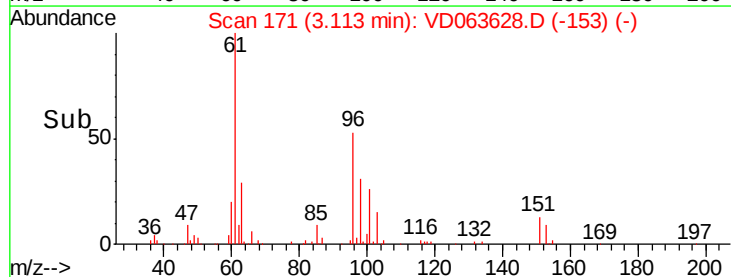
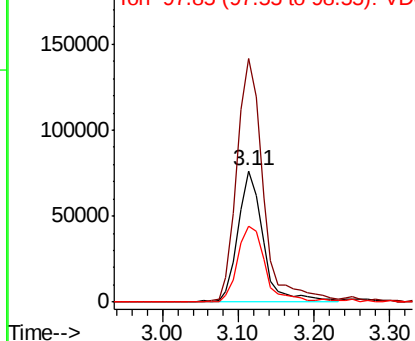
#12

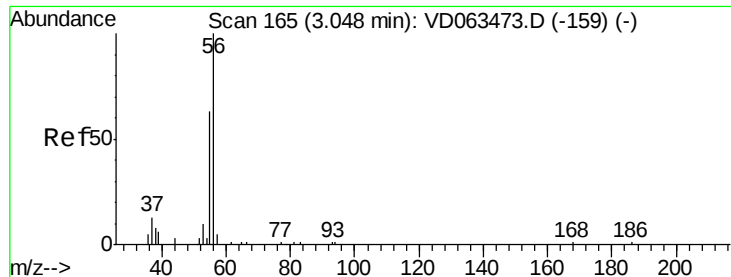
1,1-Dichloroethene
Concen: 20.439 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.02 min
Lab File: VD063628.D
Acq: 16 Aug 2019 10:50

Tgt Ion: 96 Resp: 177758
Ion Ratio Lower Upper
96 100
61 185.7 151.7 227.5
98 57.5 48.4 72.6



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





#13

Acrolein

Concen: 80.444 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD063628.D

Acq: 16 Aug 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

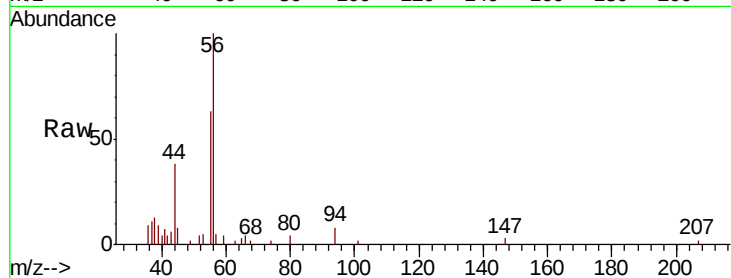
VD0816SBS01

Tgt Ion: 56 Resp: 39657

Ion Ratio Lower Upper

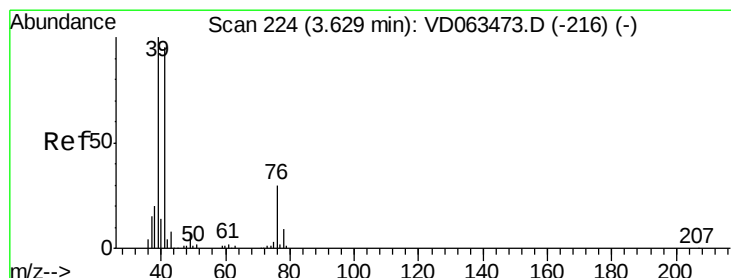
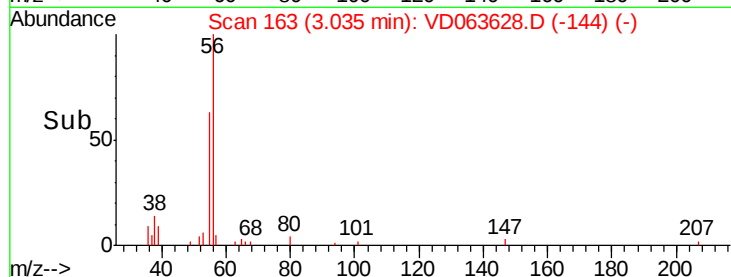
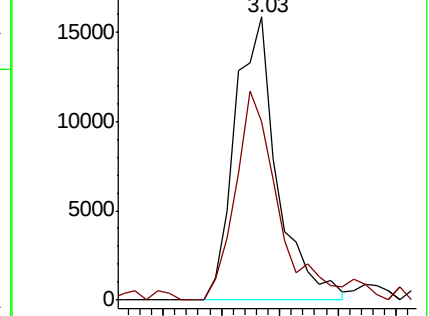
56 100

55 63.2 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.718 ug/l

RT: 3.61 min Scan# 221

Delta R.T. -0.02 min

Lab File: VD063628.D

Acq: 16 Aug 2019 10:50

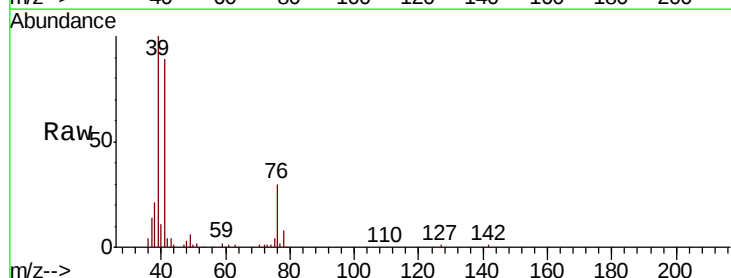
Tgt Ion: 41 Resp: 283944

Ion Ratio Lower Upper

41 100

39 112.7 84.2 126.4

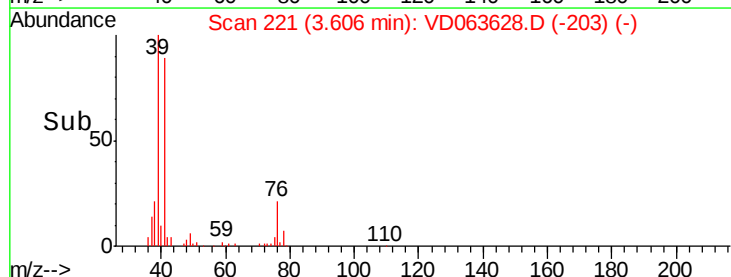
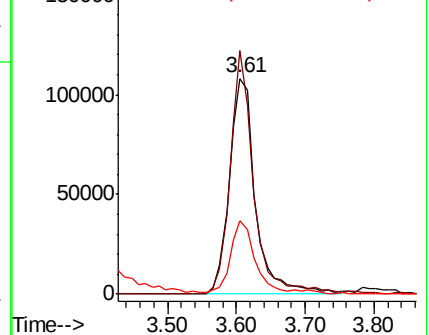
76 33.8 26.0 39.0

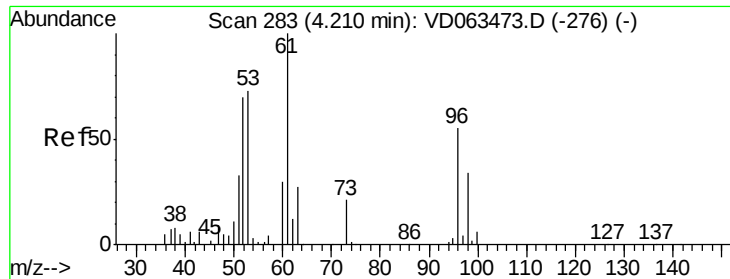


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

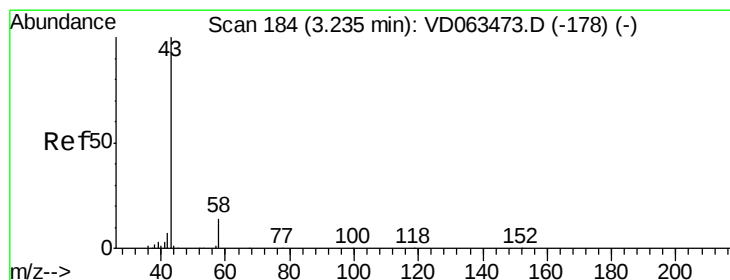
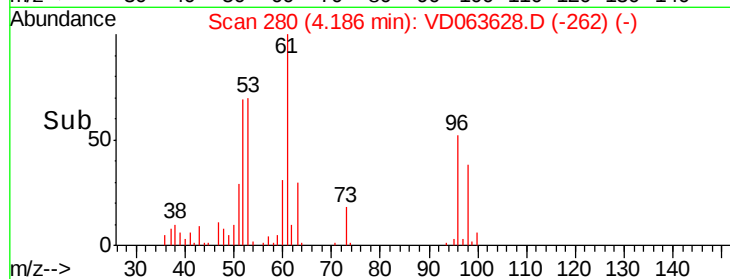
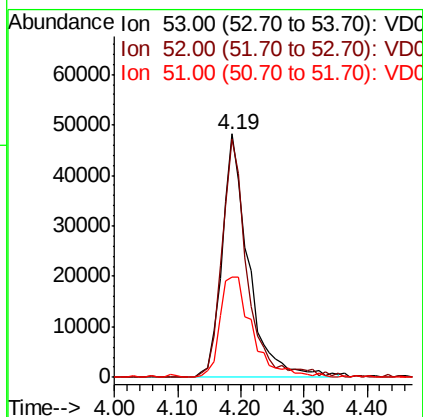
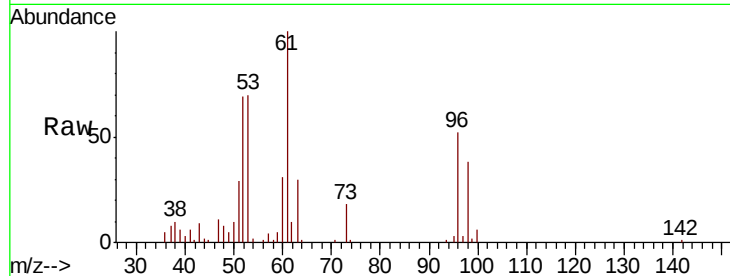




#15
 Acrylonitrile
 Concen: 105.655 ug/l
 RT: 4.19 min Scan# 280
 Delta R.T. -0.02 min
 Lab File: VD063628.D
 Acq: 16 Aug 2019 10:50

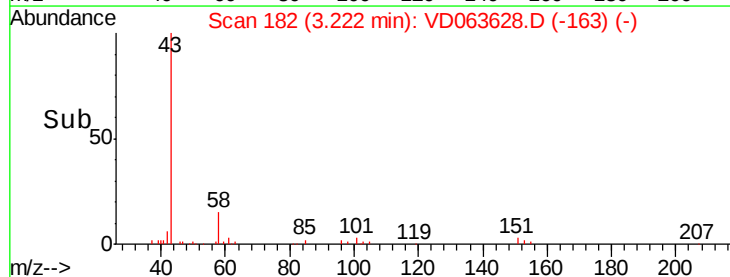
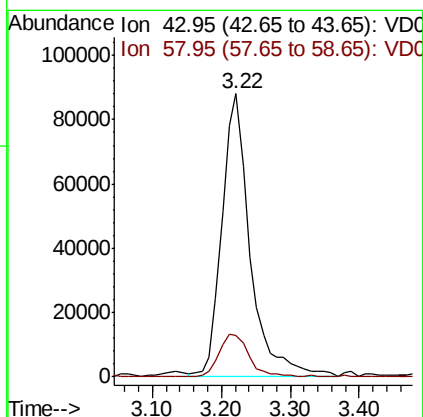
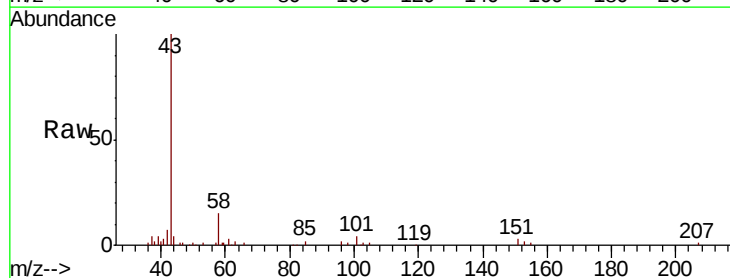
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

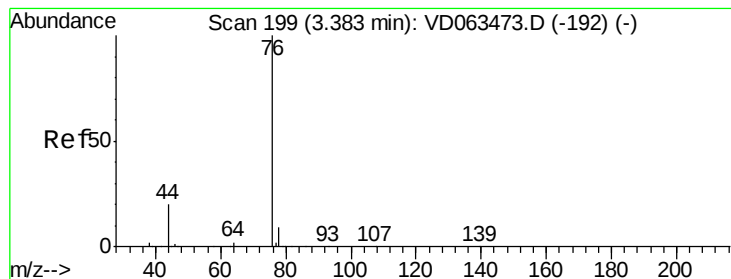
Tgt Ion: 53 Resp: 140160
 Ion Ratio Lower Upper
 53 100
 52 98.0 77.4 116.0
 51 41.1 36.7 55.1



#16
 Acetone
 Concen: 107.281 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VD063628.D
 Acq: 16 Aug 2019 10:50

Tgt Ion: 43 Resp: 250901
 Ion Ratio Lower Upper
 43 100
 58 14.5 11.4 17.2





#17

Carbon Disulfide

Concen: 19.920 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.02 min

Lab File: VD063628.D

Acq: 16 Aug 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

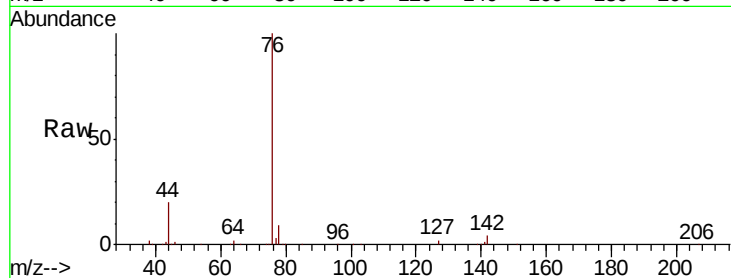
VD0816SBS01

Tgt Ion: 76 Resp: 546769

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.36

250000

200000

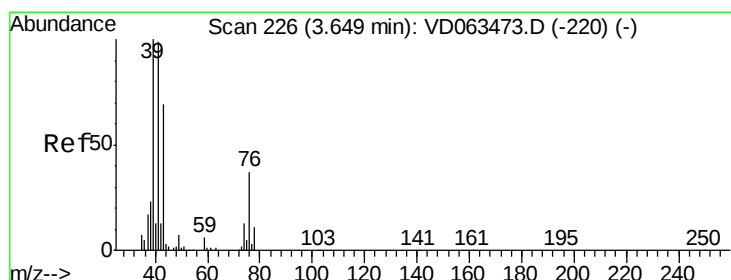
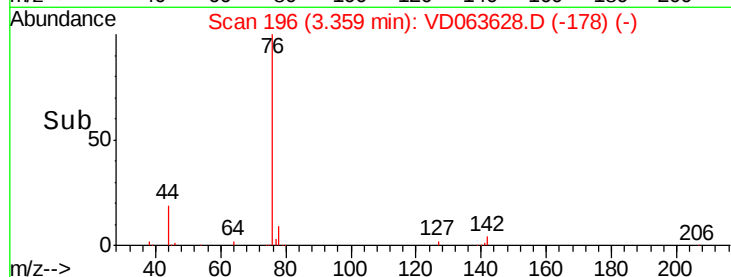
150000

100000

50000

0

Time--> 3.20 3.30 3.40 3.50 3.60



#18

Methyl Acetate

Concen: 20.223 ug/l

RT: 3.63 min Scan# 223

Delta R.T. -0.02 min

Lab File: VD063628.D

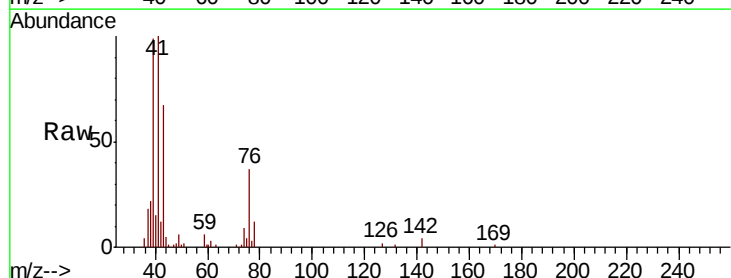
Acq: 16 Aug 2019 10:50

Tgt Ion: 43 Resp: 89586

Ion Ratio Lower Upper

43 100

74 13.5 15.4 23.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.63

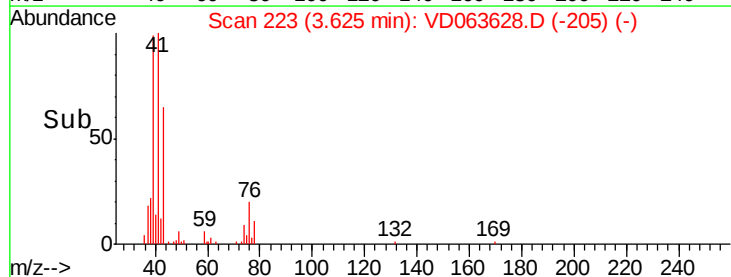
30000

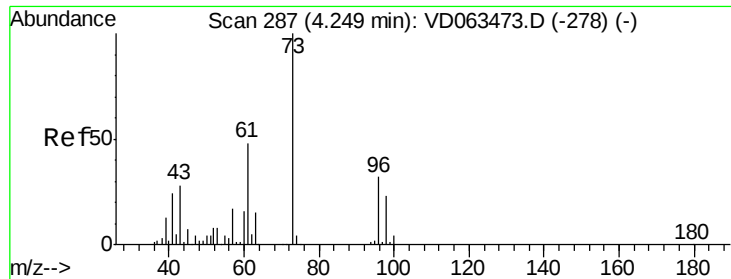
20000

10000

0

Time--> 3.55 3.60 3.65 3.70 3.75

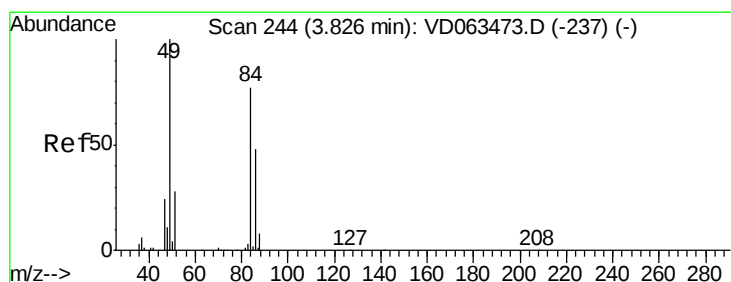
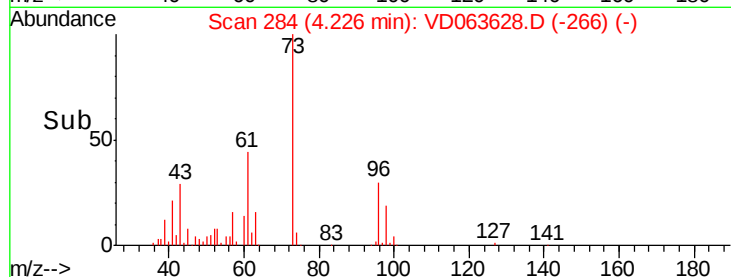
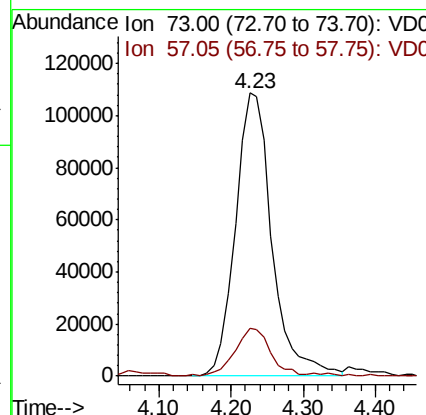
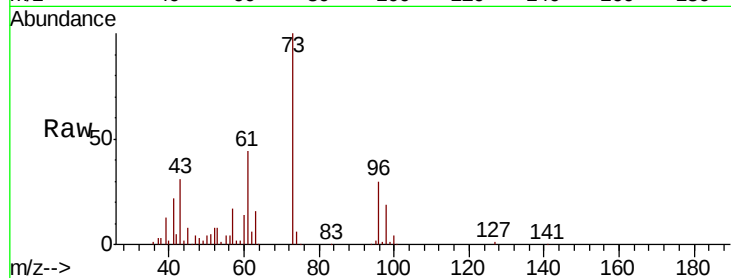




#19
Methyl tert-butyl Ether
Concen: 22.022 ug/l
RT: 4.23 min Scan# 284
Delta R.T. -0.02 min
Lab File: VD063628.D
Acq: 16 Aug 2019 10:50

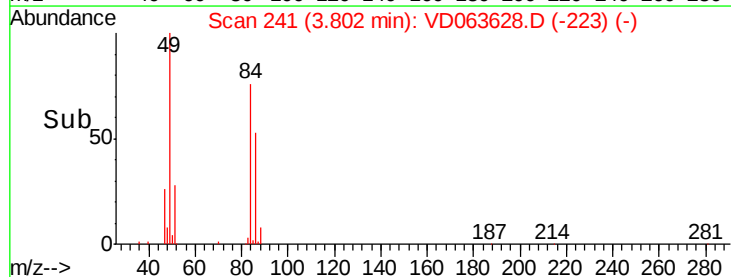
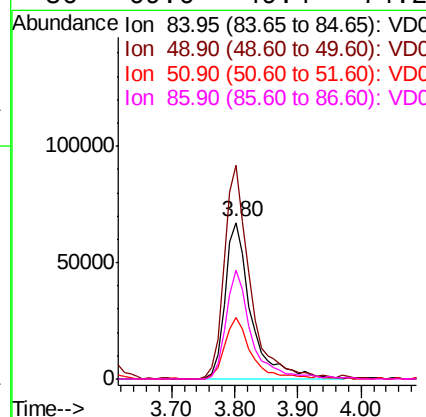
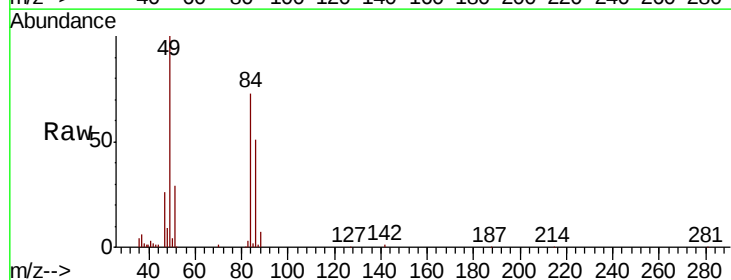
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBS01

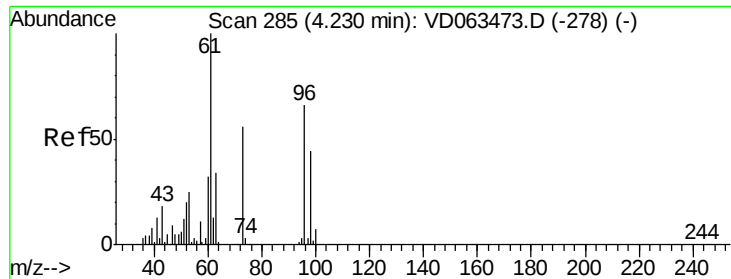
Tgt Ion: 73 Resp: 383023
Ion Ratio Lower Upper
73 100
57 16.8 14.0 21.0



#20
Methylene Chloride
Concen: 19.061 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD063628.D
Acq: 16 Aug 2019 10:50

Tgt Ion: 84 Resp: 192763
Ion Ratio Lower Upper
84 100
49 136.6 103.4 155.2
51 39.1 28.5 42.7
86 69.6 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 22.077 ug/l

RT: 4.21 min Scan# 282

Delta R.T. -0.02 min

Lab File: VD063628.D

Acq: 16 Aug 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBS01

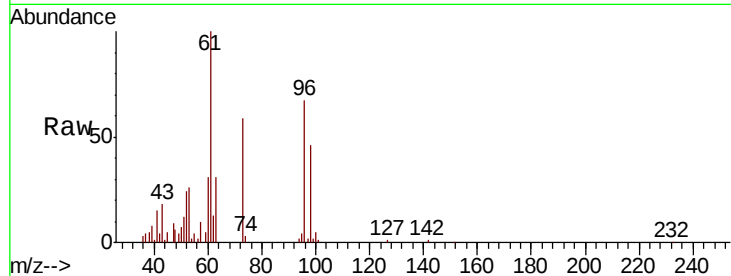
Tgt Ion: 96 Resp: 202051

Ion Ratio Lower Upper

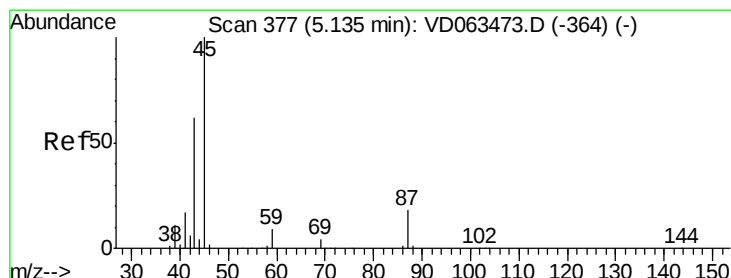
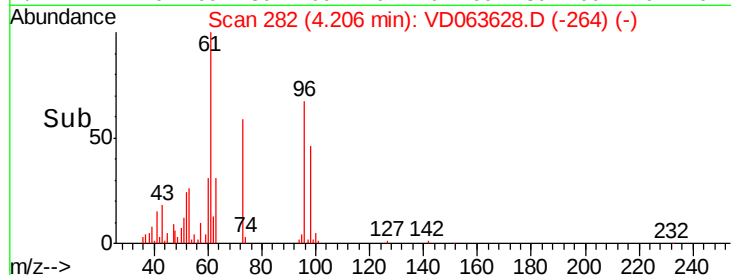
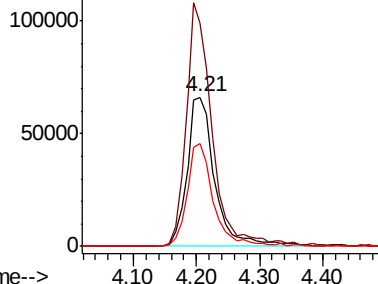
96 100

61 149.5 121.7 182.5

98 69.0 54.2 81.2



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



#22

Diisopropyl ether

Concen: 21.071 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.02 min

Lab File: VD063628.D

Acq: 16 Aug 2019 10:50

Tgt Ion: 45 Resp: 568477

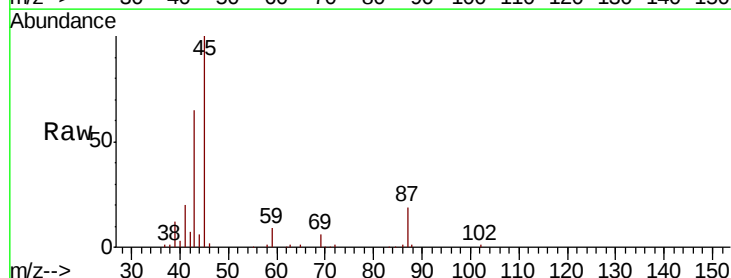
Ion Ratio Lower Upper

45 100

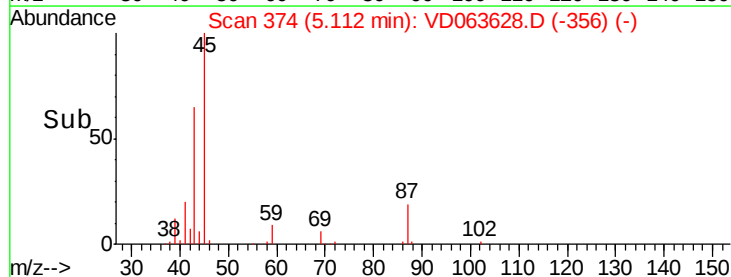
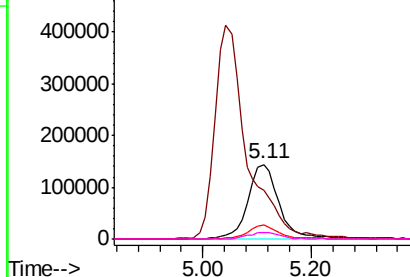
43 64.8 50.3 75.5

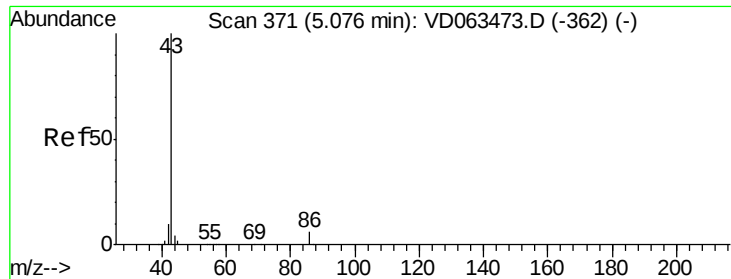
87 18.8 14.3 21.5

59 8.9 7.7 11.5



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

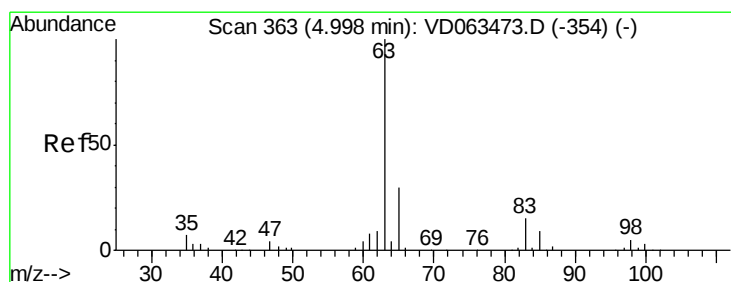
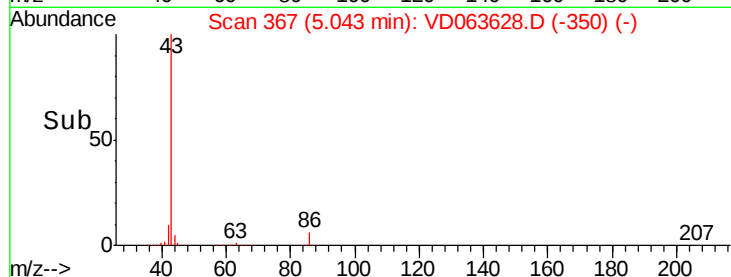
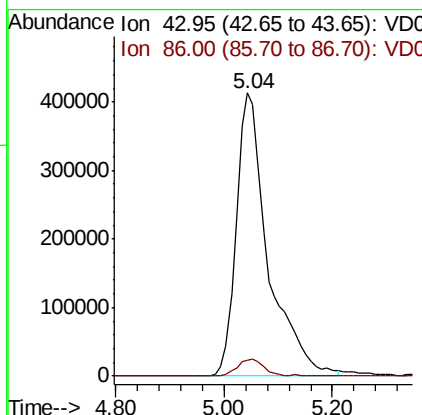
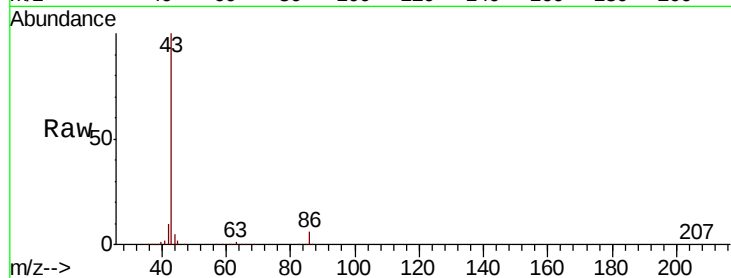




#23
 Vinyl Acetate
 Concen: 107.550 ug/l
 RT: 5.04 min Scan# 367
 Delta R.T. -0.03 min
 Lab File: VD063628.D
 Acq: 16 Aug 2019 10:50

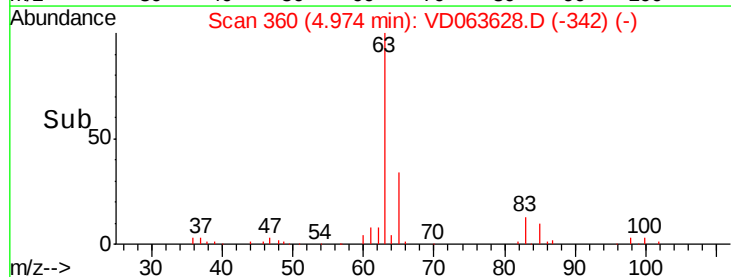
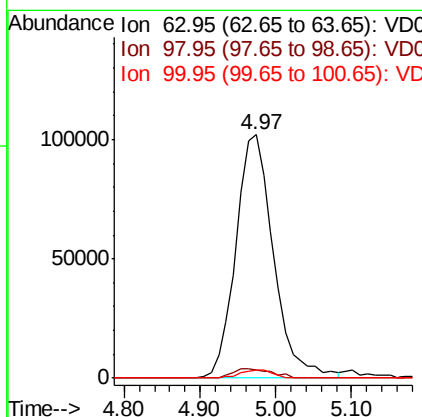
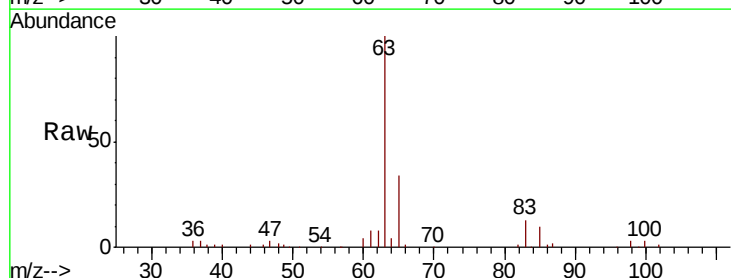
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

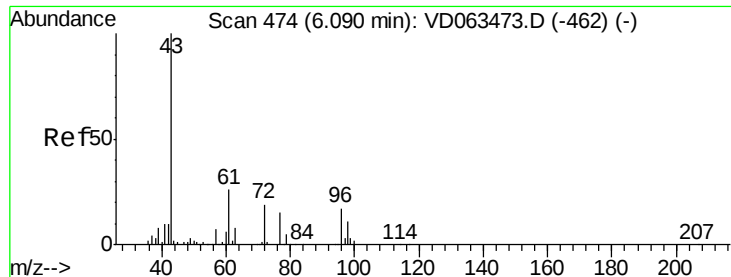
Tgt Ion: 43 Resp: 1686848
 Ion Ratio Lower Upper
 43 100
 86 5.7 4.8 7.2



#24
 1,1-Dichloroethane
 Concen: 21.041 ug/l
 RT: 4.97 min Scan# 360
 Delta R.T. -0.02 min
 Lab File: VD063628.D
 Acq: 16 Aug 2019 10:50

Tgt Ion: 63 Resp: 352080
 Ion Ratio Lower Upper
 63 100
 98 3.3 2.4 7.2
 100 3.4 1.3 3.8





#25

2-Butanone

Concen: 99.214 ug/l

RT: 6.07 min Scan# 471

Delta R.T. -0.02 min

Lab File: VD063628.D

Acq: 16 Aug 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

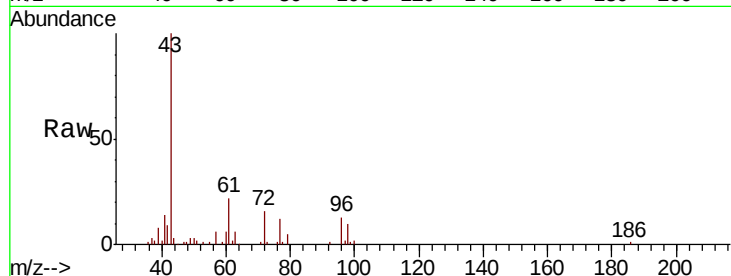
VD0816SBS01

Tgt Ion: 43 Resp: 229165

Ion Ratio Lower Upper

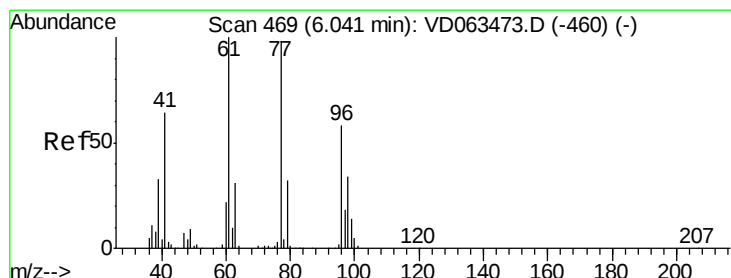
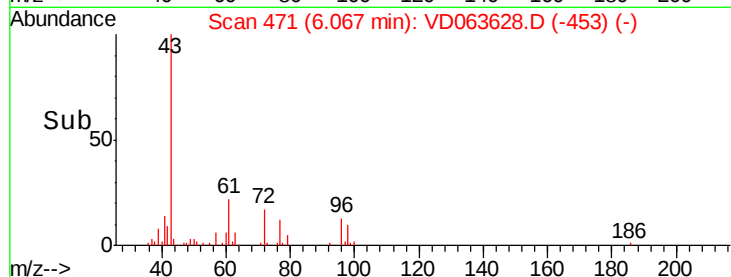
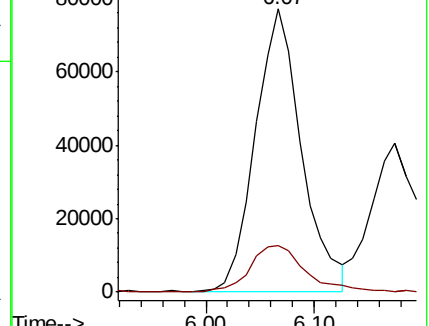
43 100

72 16.4 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.103 ug/l

RT: 6.01 min Scan# 465

Delta R.T. -0.03 min

Lab File: VD063628.D

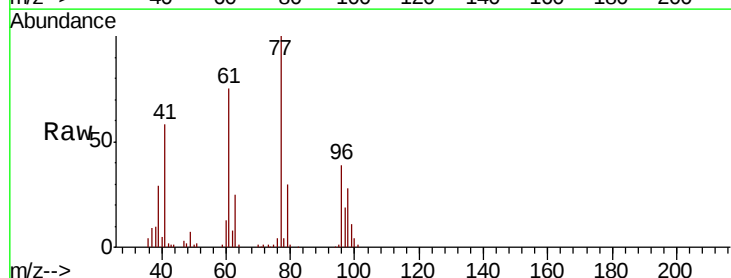
Acq: 16 Aug 2019 10:50

Tgt Ion: 77 Resp: 368392

Ion Ratio Lower Upper

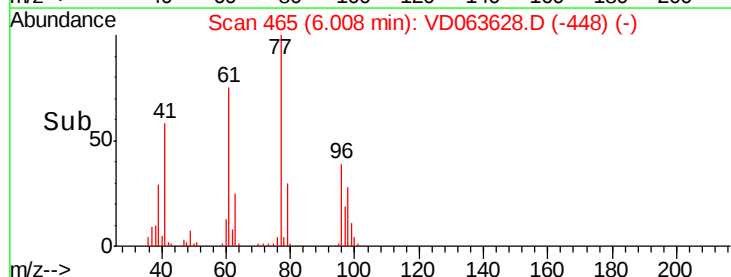
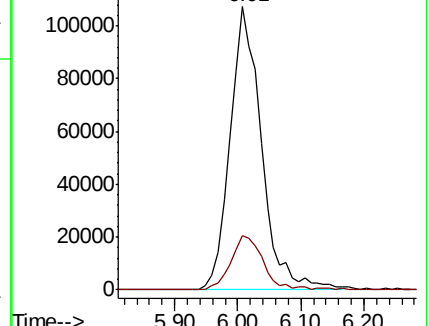
77 100

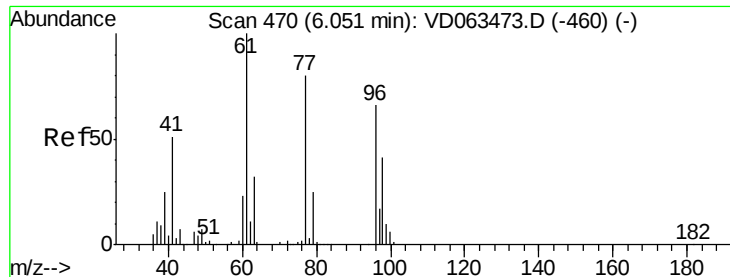
97 19.0 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



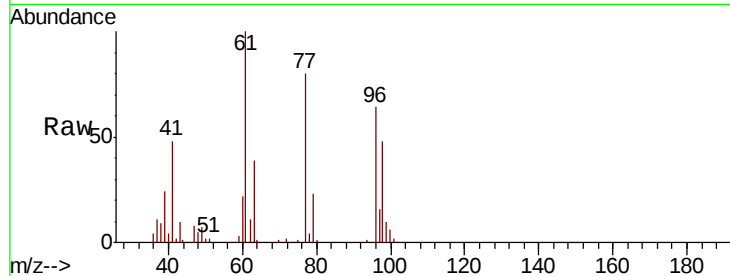


#27

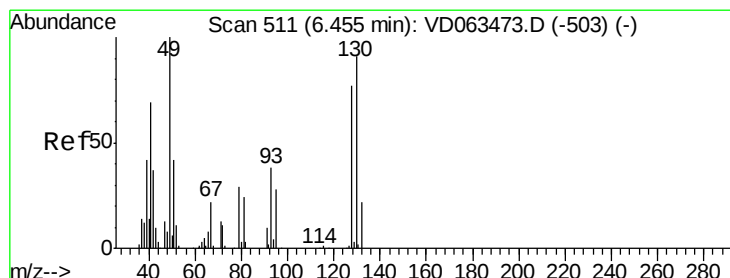
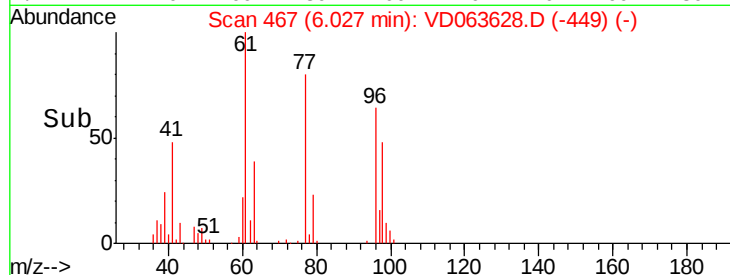
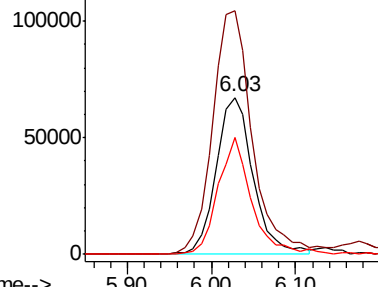
cis-1,2-Dichloroethene
Concen: 20.637 ug/l
RT: 6.03 min Scan# 467
Delta R.T. -0.02 min
Lab File: VD063628.D
Acq: 16 Aug 2019 10:50

Instrument :
MSVOA_D
ClientSampleId :
VD0816SBS01

Tgt Ion: 96 Resp: 206645
Ion Ratio Lower Upper
96 100
61 155.5 0.0 304.0
98 74.9 0.0 124.8



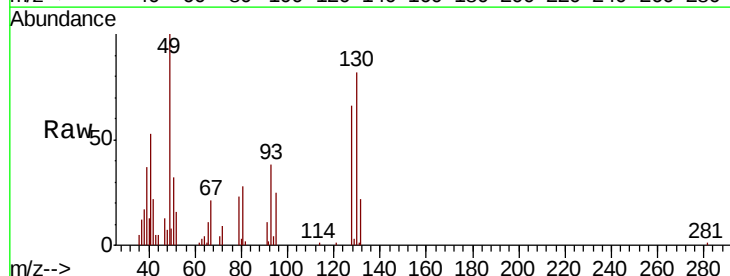
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



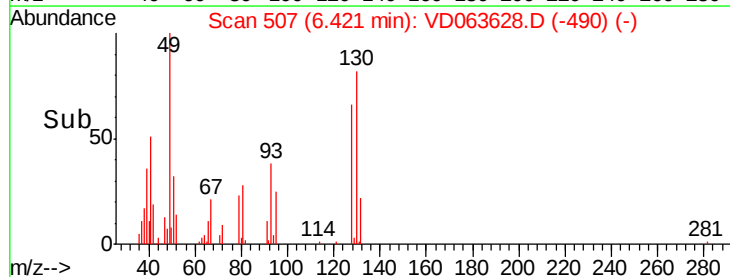
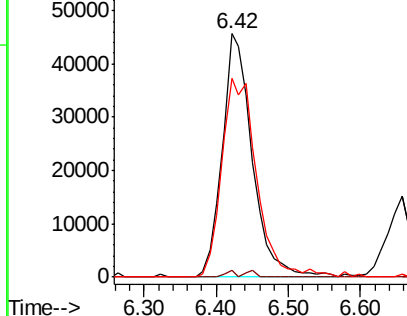
#28

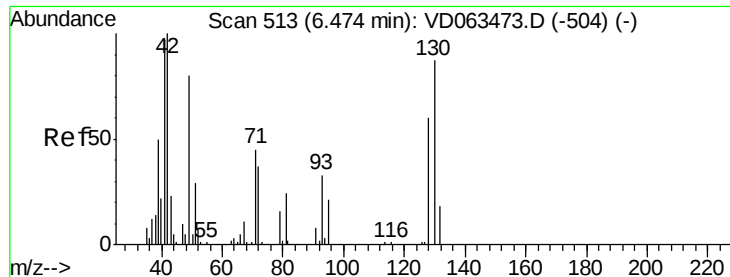
Bromochloromethane
Concen: 19.404 ug/l
RT: 6.42 min Scan# 507
Delta R.T. -0.03 min
Lab File: VD063628.D
Acq: 16 Aug 2019 10:50

Tgt Ion: 49 Resp: 131595
Ion Ratio Lower Upper
49 100
129 3.0 0.0 6.4
130 81.7 72.4 108.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

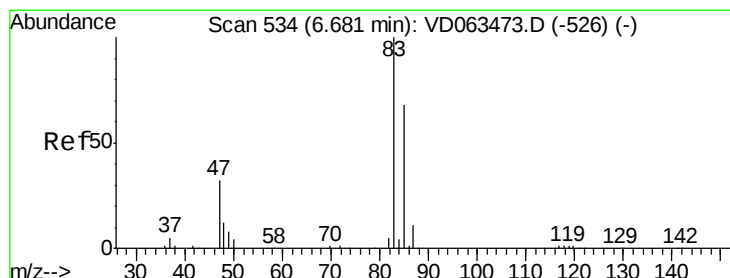
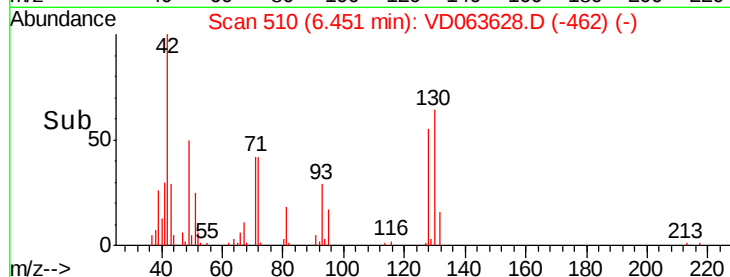
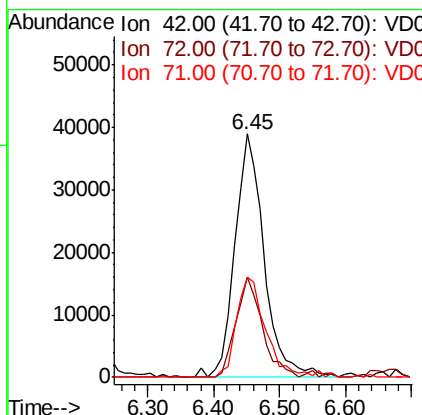
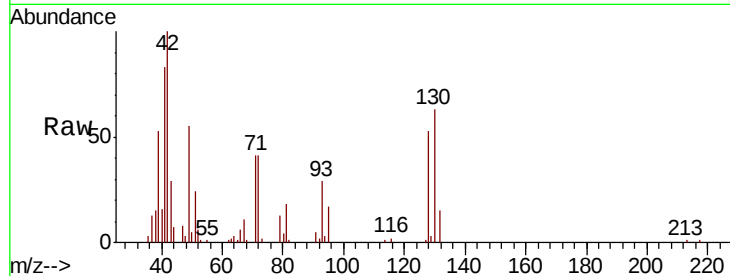




#29
Tetrahydrofuran
Concen: 112.888 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.02 min
Lab File: VD063628.D
Acq: 16 Aug 2019 10:50

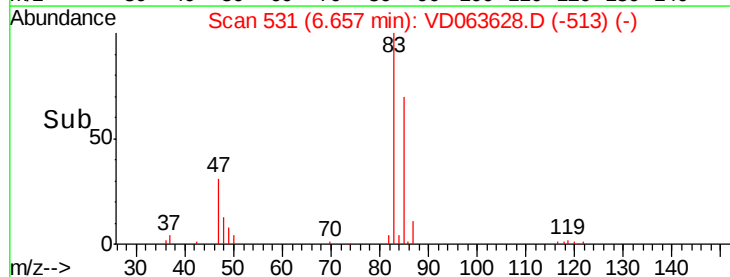
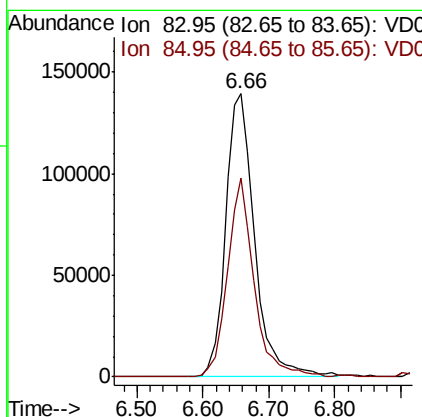
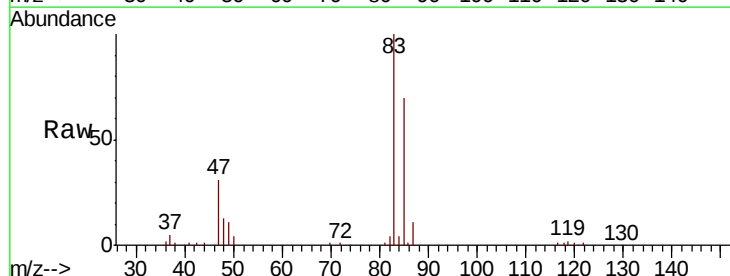
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBS01

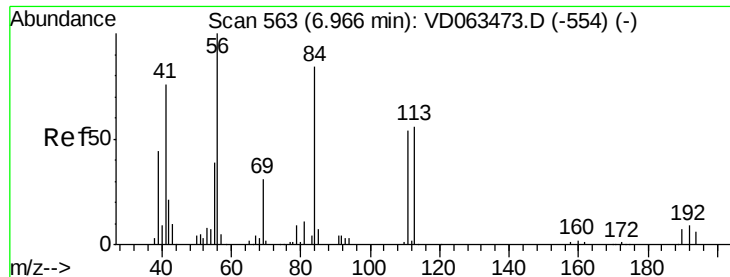
Tgt Ion: 42 Resp: 121503
Ion Ratio Lower Upper
42 100
72 37.2 31.5 47.3
71 41.6 33.8 50.8



#30
Chloroform
Concen: 20.575 ug/l
RT: 6.66 min Scan# 531
Delta R.T. -0.02 min
Lab File: VD063628.D
Acq: 16 Aug 2019 10:50

Tgt Ion: 83 Resp: 427942
Ion Ratio Lower Upper
83 100
85 70.1 54.8 82.2

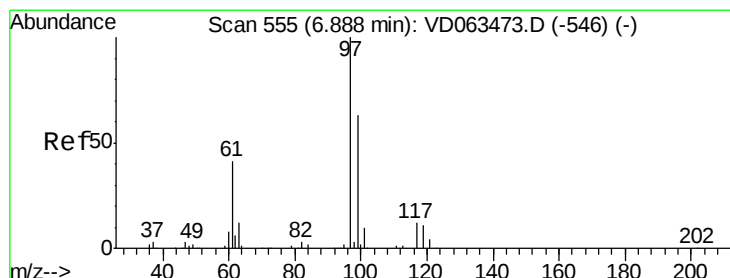
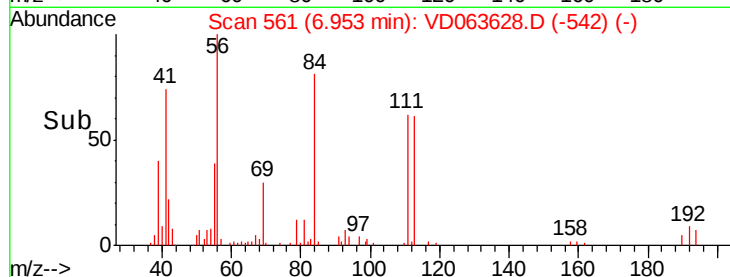
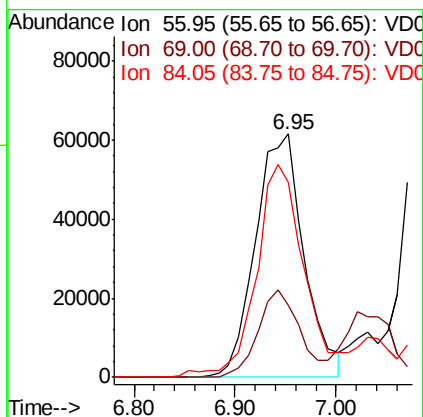
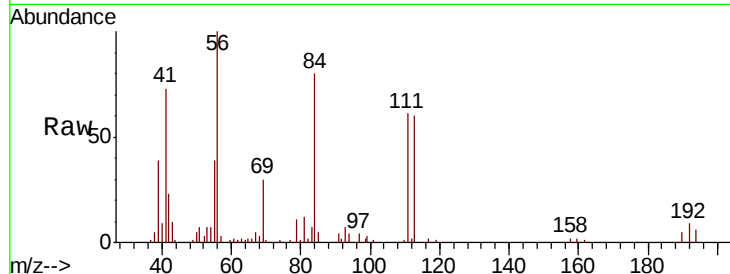




#31
Cyclohexane
Concen: 19.731 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD063628.D
Acq: 16 Aug 2019 10:50

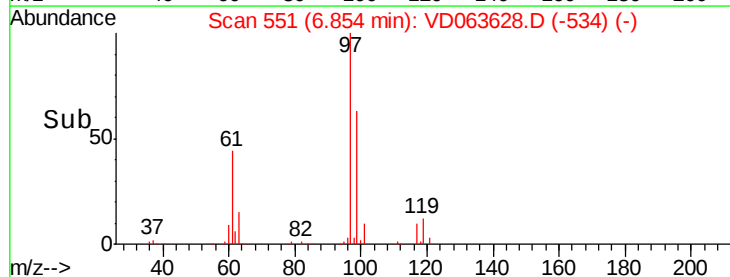
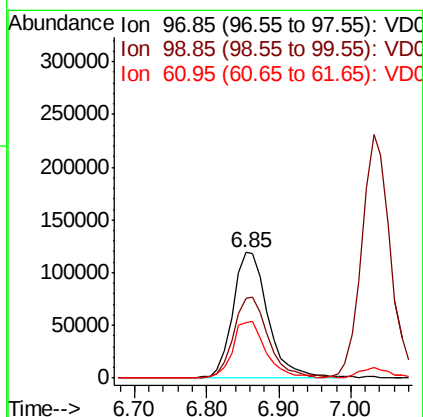
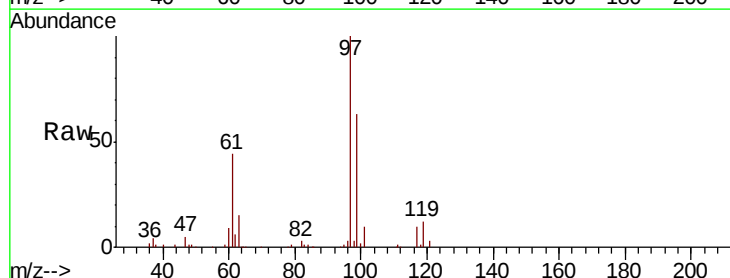
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBS01

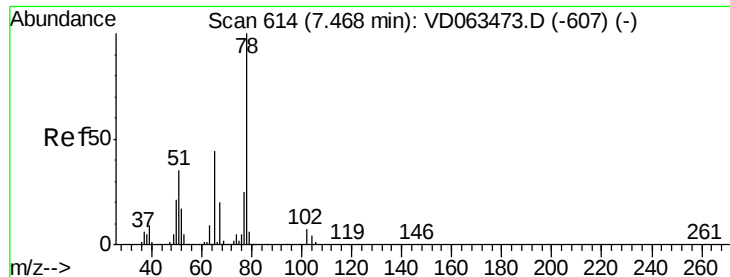
Tgt Ion: 56 Resp: 204968
Ion Ratio Lower Upper
56 100
69 29.8 25.0 37.6
84 79.8 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 20.317 ug/l
RT: 6.85 min Scan# 551
Delta R.T. -0.03 min
Lab File: VD063628.D
Acq: 16 Aug 2019 10:50

Tgt Ion: 97 Resp: 404221
Ion Ratio Lower Upper
97 100
99 63.2 50.2 75.4
61 44.4 33.1 49.7

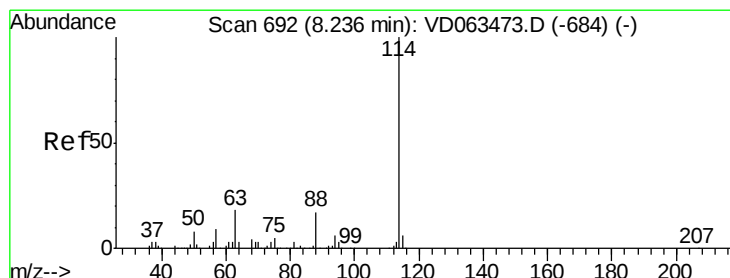
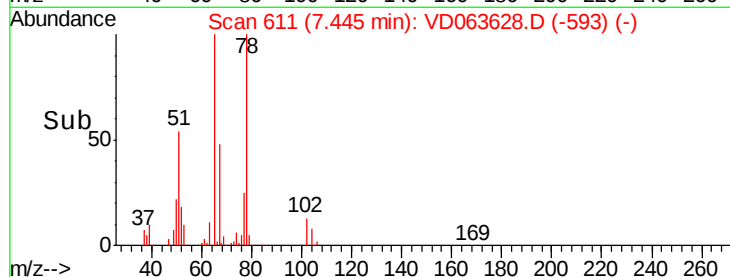
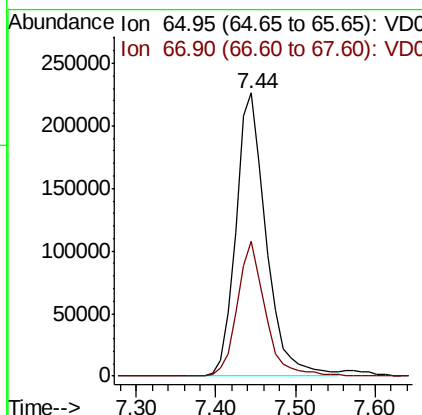
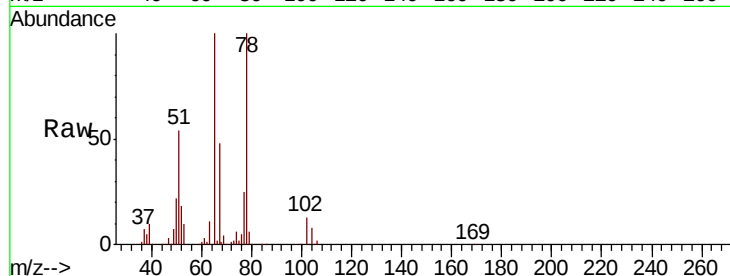




#33
 1,2-Dichloroethane-d4
 Concen: 51.562 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: VD063628.D
 Acq: 16 Aug 2019 10:50

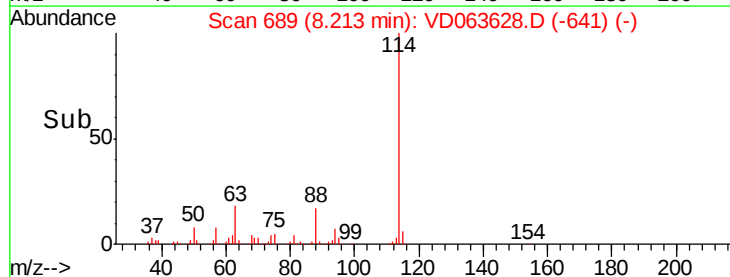
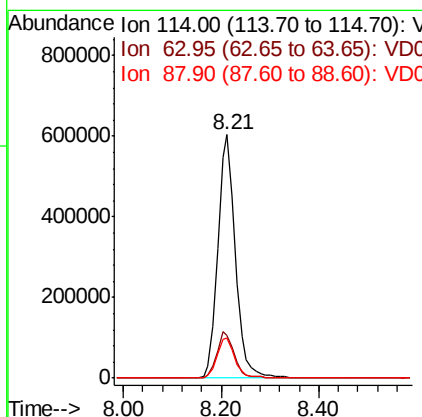
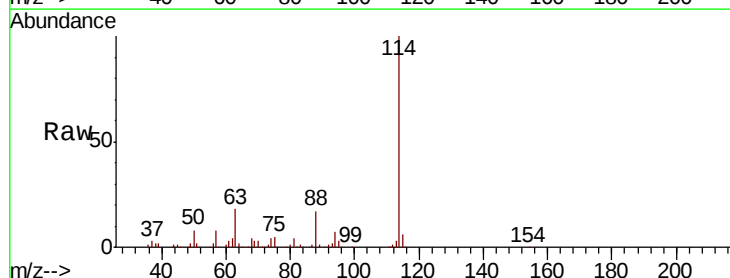
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

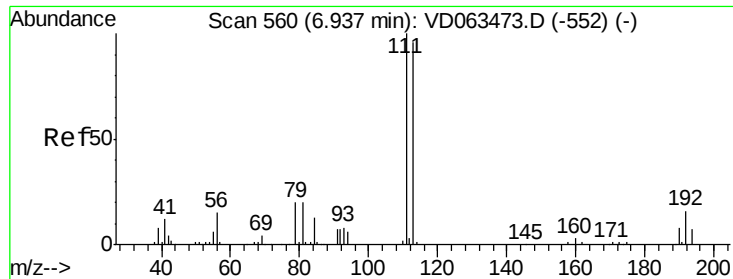
Tgt Ion: 65 Resp: 593213
 Ion Ratio Lower Upper
 65 100
 67 47.6 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.02 min
 Lab File: VD063628.D
 Acq: 16 Aug 2019 10:50

Tgt Ion: 114 Resp: 1516833
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 36.2
 88 16.7 0.0 35.0

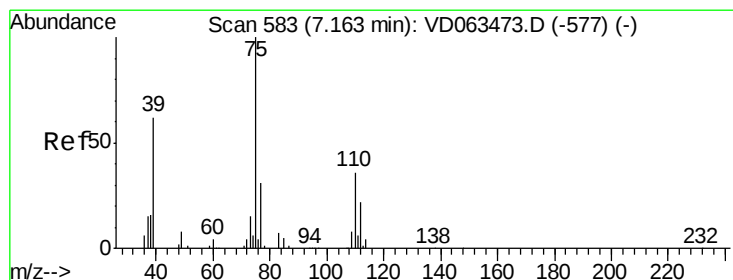
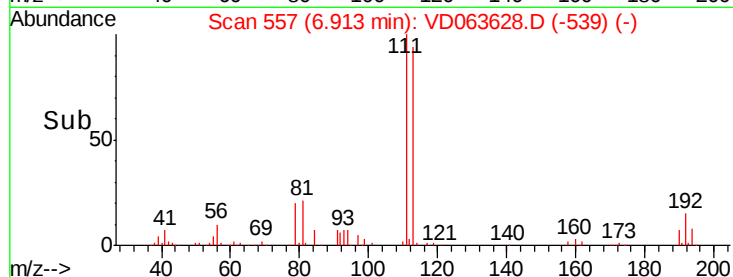
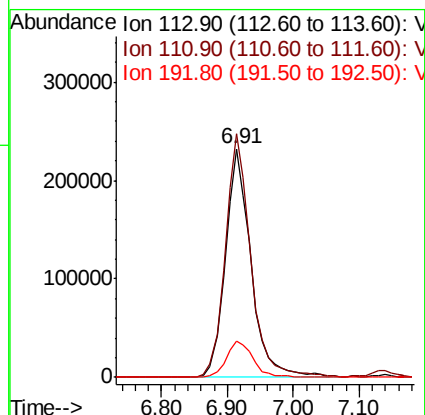
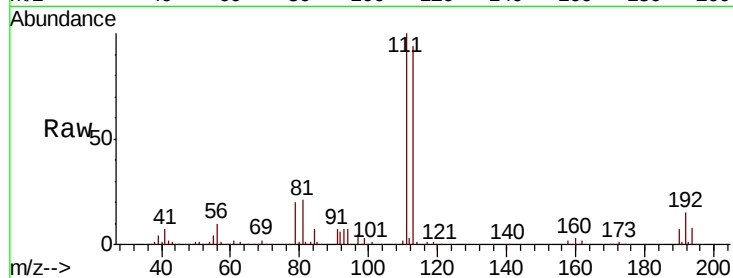




#35
 Dibromofluoromethane
 Concen: 49.254 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.02 min
 Lab File: VD063628.D
 Acq: 16 Aug 2019 10:50

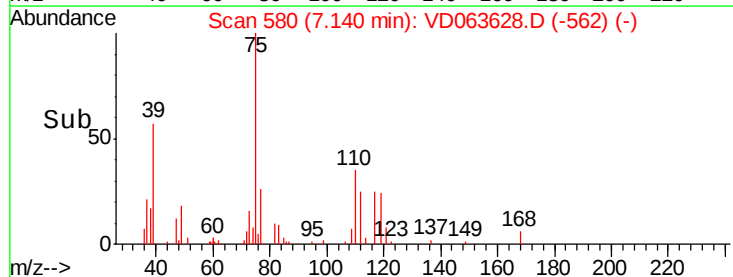
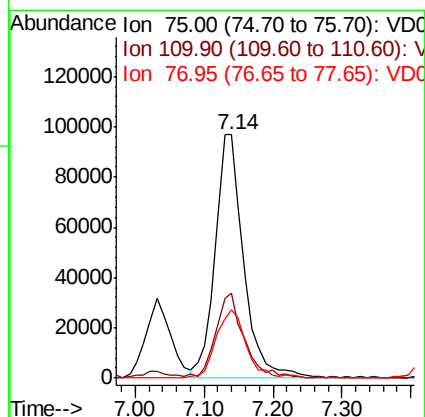
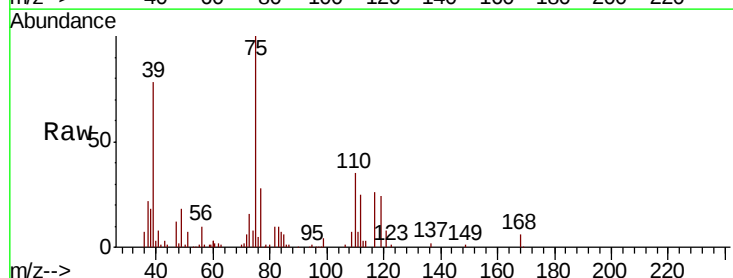
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

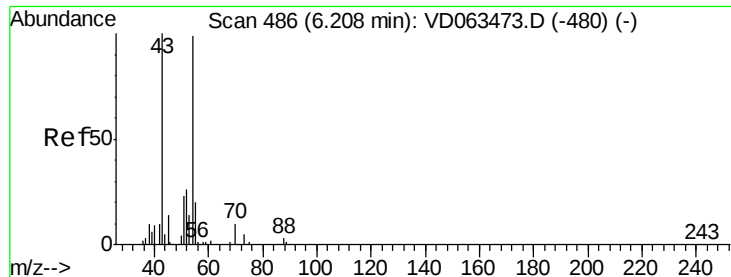
Tgt Ion	Ratio	Lower	Upper
113	100		
111	106.5	83.1	124.7
192	15.6	13.1	19.7



#36
 1,1-Dichloropropene
 Concen: 20.714 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. -0.02 min
 Lab File: VD063628.D
 Acq: 16 Aug 2019 10:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.6	52.8
77	27.8	24.3	36.5

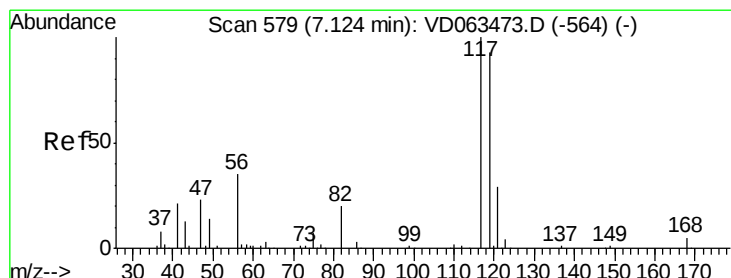
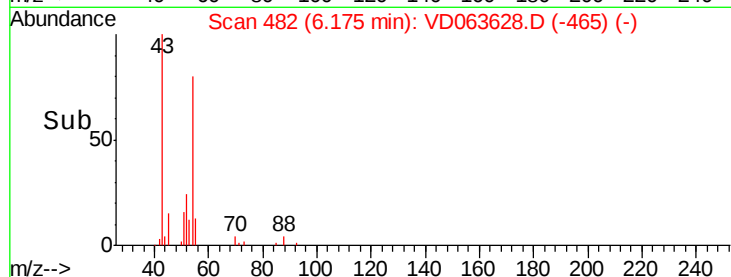
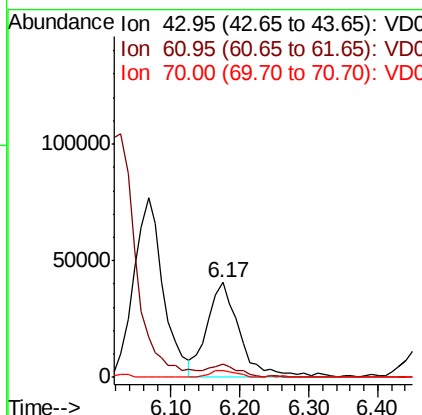
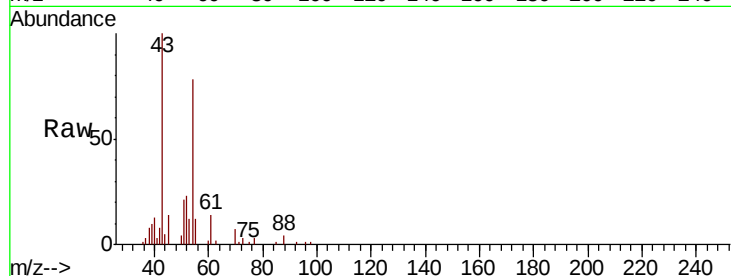




#37
 Ethyl Acetate
 Concen: 23.266 ug/l
 RT: 6.17 min Scan# 482
 Delta R.T. -0.03 min
 Lab File: VD063628.D
 Acq: 16 Aug 2019 10:50

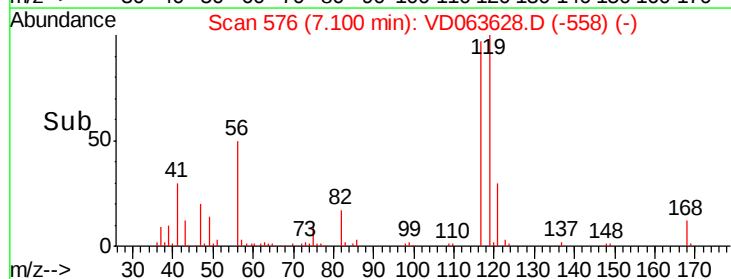
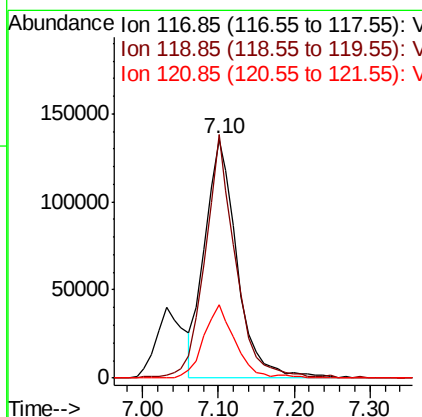
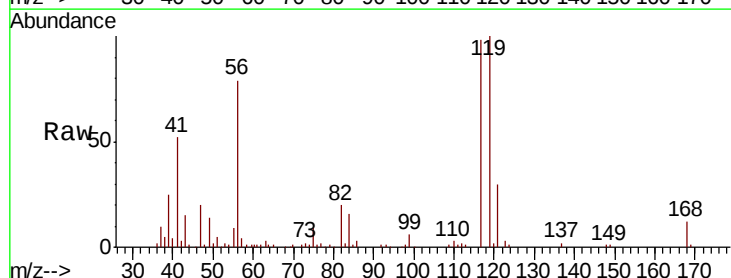
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

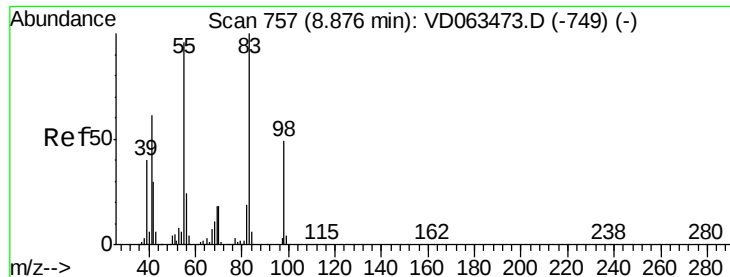
Tgt Ion: 43 Resp: 130727
 Ion Ratio Lower Upper
 43 100
 61 13.9 9.0 13.6#
 70 7.1 6.9 10.3



#38
 Carbon Tetrachloride
 Concen: 19.690 ug/l
 RT: 7.10 min Scan# 576
 Delta R.T. -0.02 min
 Lab File: VD063628.D
 Acq: 16 Aug 2019 10:50

Tgt Ion: 117 Resp: 397925
 Ion Ratio Lower Upper
 117 100
 119 102.1 74.2 111.2
 121 30.6 23.1 34.7

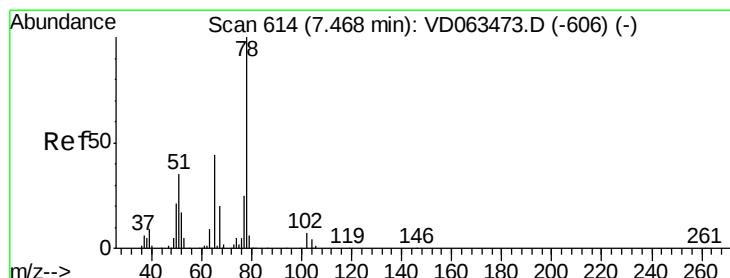
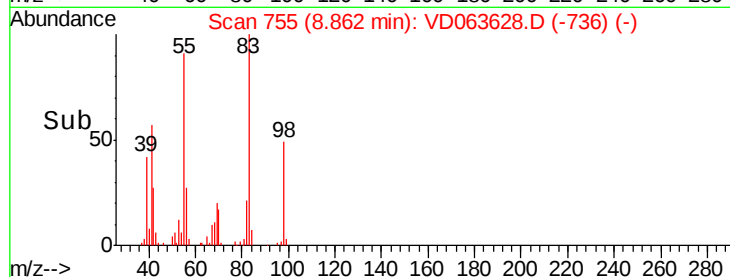
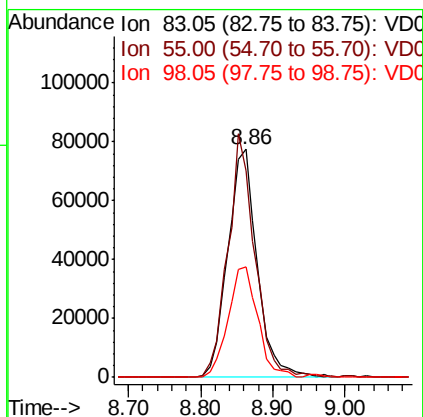
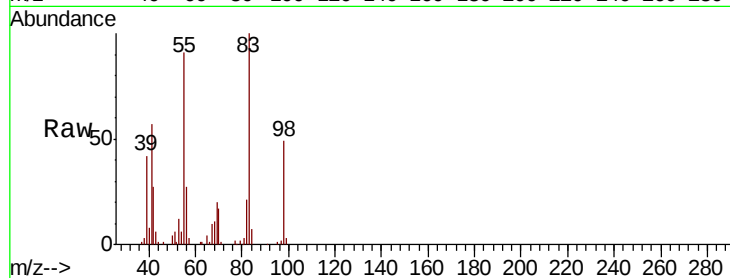




#39
Methylcyclohexane
Concen: 19.323 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD063628.D
Acq: 16 Aug 2019 10:50

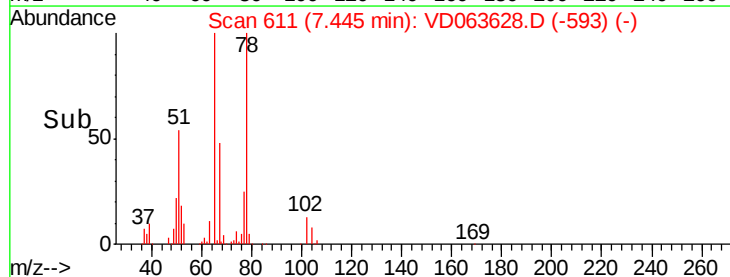
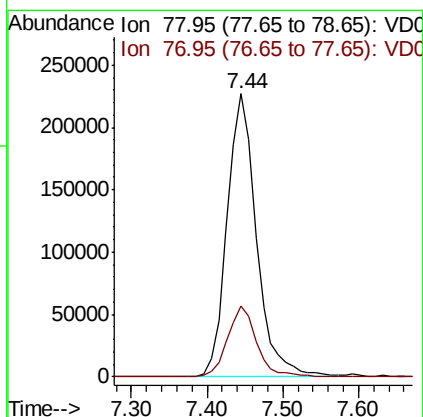
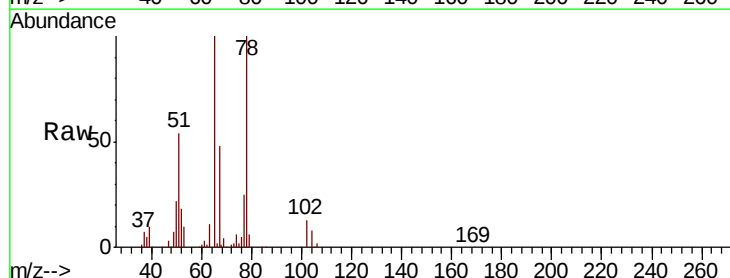
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBS01

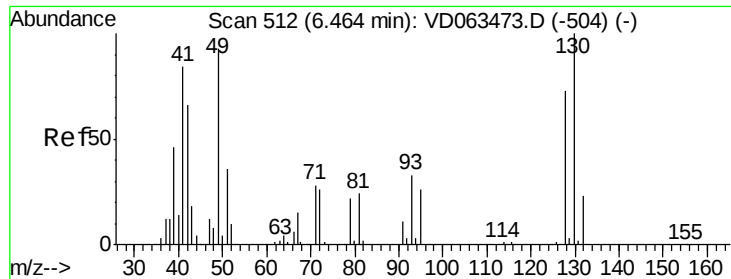
Tgt Ion: 83 Resp: 220330
Ion Ratio Lower Upper
83 100
55 90.9 76.6 114.8
98 48.7 39.4 59.0



#40
Benzene
Concen: 20.635 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.02 min
Lab File: VD063628.D
Acq: 16 Aug 2019 10:50

Tgt Ion: 78 Resp: 608910
Ion Ratio Lower Upper
78 100
77 25.0 20.1 30.1





#41

Methacrylonitrile

Concen: 20.325 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.02 min

Lab File: VD063628.D

Acq: 16 Aug 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBS01

Tgt Ion: 41 Resp: 143794

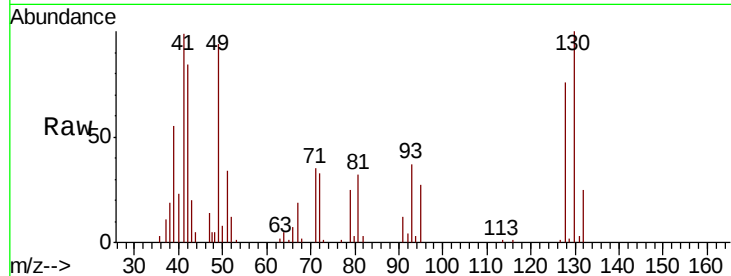
Ion Ratio Lower Upper

41 100

39 55.6 44.6 66.8

67 19.6 14.4 21.6

52 12.0 9.3 13.9

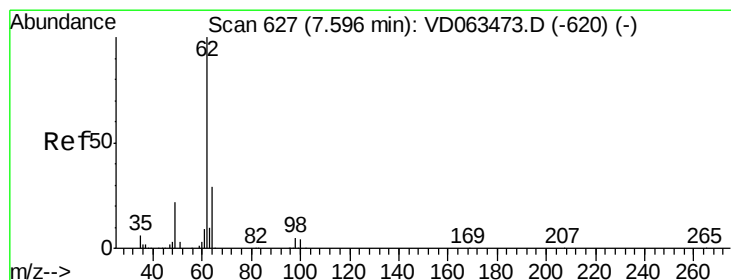
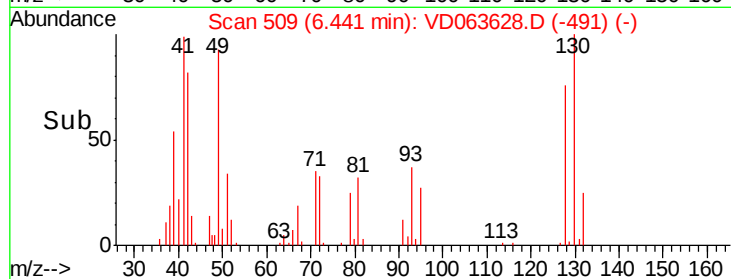
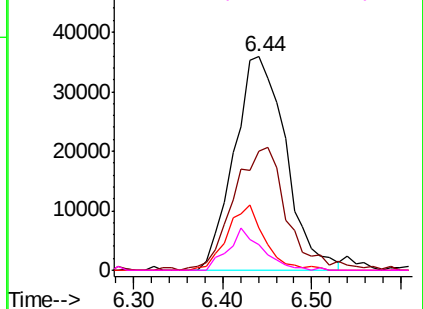


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.912 ug/l

RT: 7.57 min Scan# 624

Delta R.T. -0.02 min

Lab File: VD063628.D

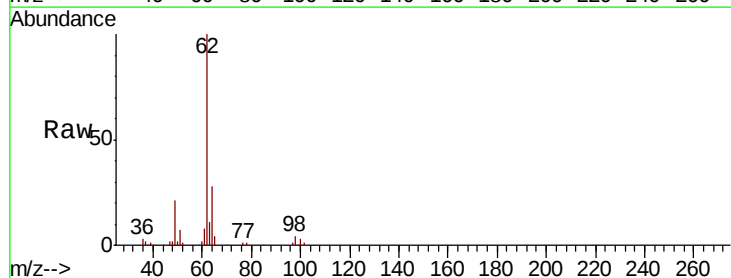
Acq: 16 Aug 2019 10:50

Tgt Ion: 62 Resp: 310283

Ion Ratio Lower Upper

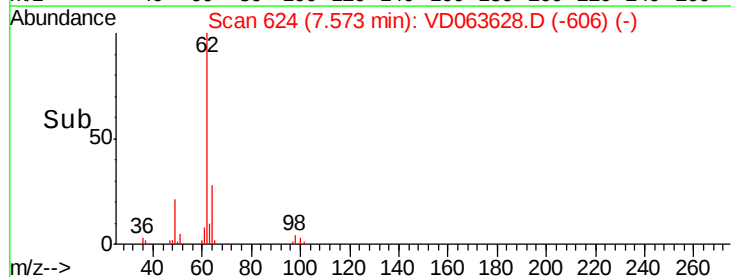
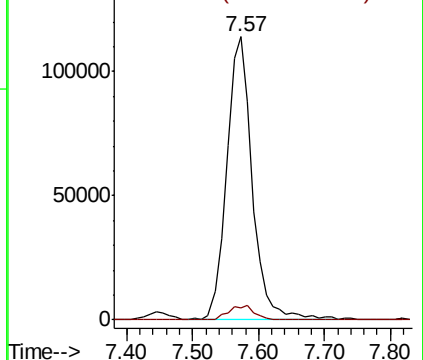
62 100

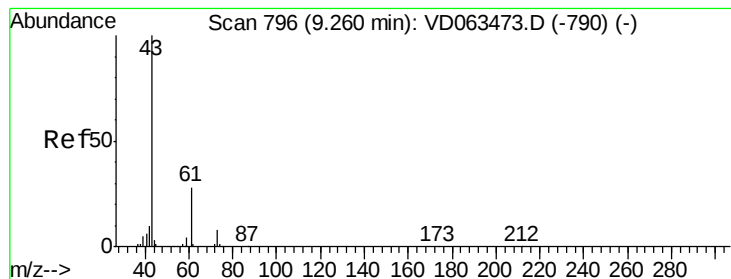
98 4.4 0.0 10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 20.814 ug/l

RT: 9.23 min Scan# 792

Delta R.T. -0.03 min

Lab File: VD063628.D

Acq: 16 Aug 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBS01

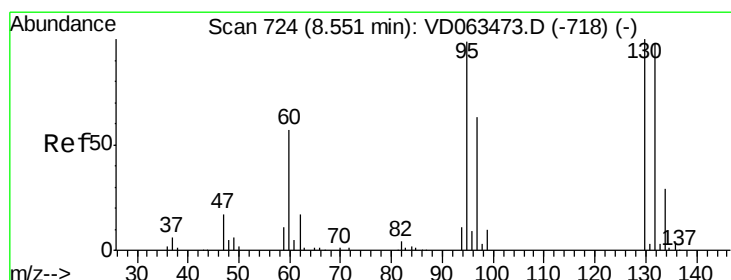
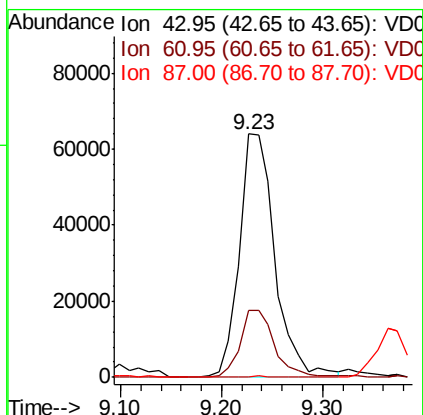
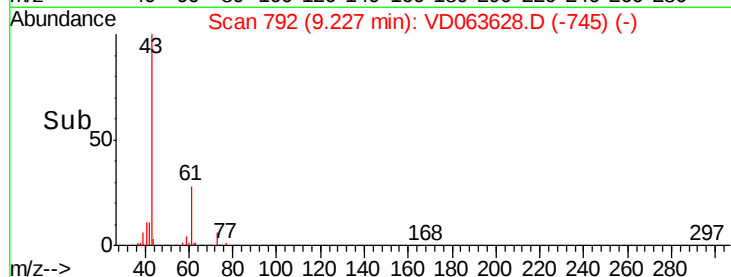
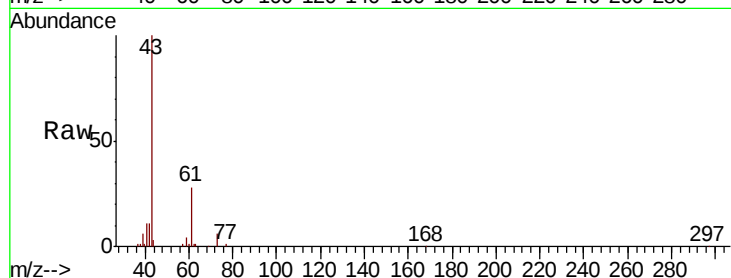
Tgt Ion: 43 Resp: 156633

Ion Ratio Lower Upper

43 100

61 27.7 22.2 33.2

87 0.0 0.2 0.4#



#44

Trichloroethene

Concen: 21.246 ug/l

RT: 8.53 min Scan# 721

Delta R.T. -0.02 min

Lab File: VD063628.D

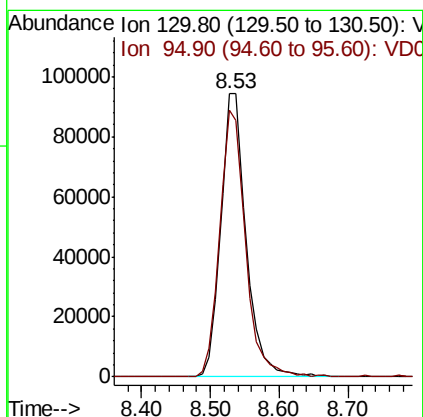
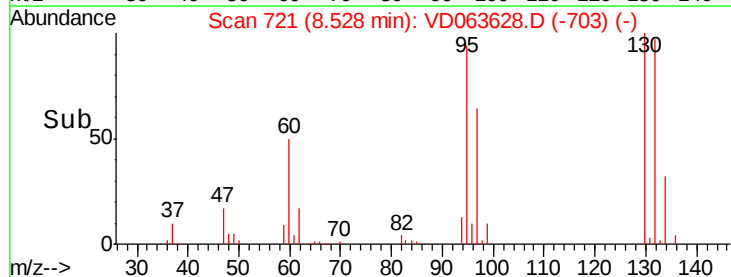
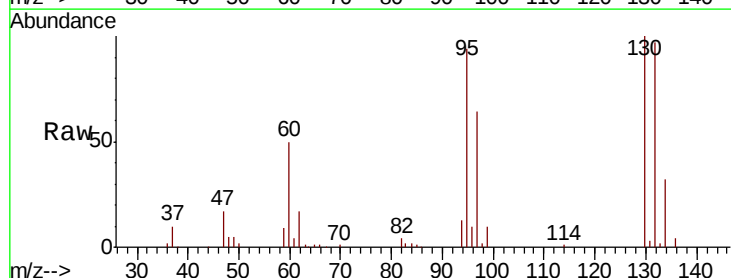
Acq: 16 Aug 2019 10:50

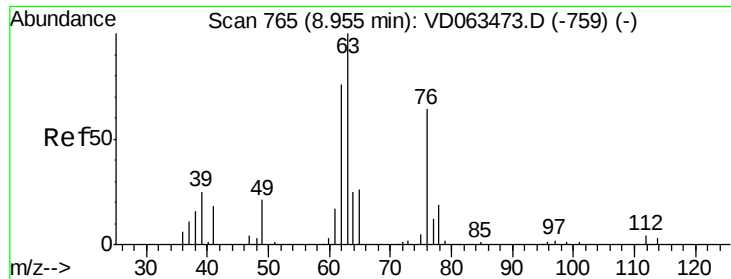
Tgt Ion: 130 Resp: 239637

Ion Ratio Lower Upper

130 100

95 94.3 0.0 198.0





#45

1,2-Dichloropropane

Concen: 22.121 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.02 min

Lab File: VD063628.D

Acq: 16 Aug 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

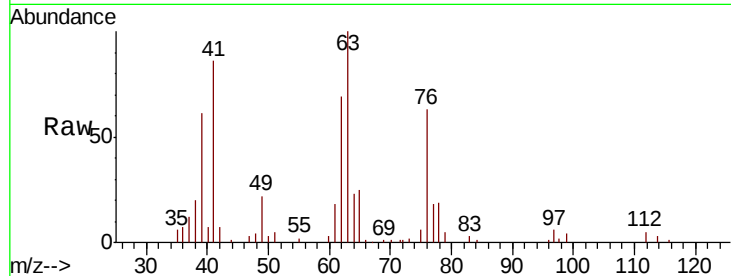
VD0816SBS01

Tgt Ion: 63 Resp: 152011

Ion Ratio Lower Upper

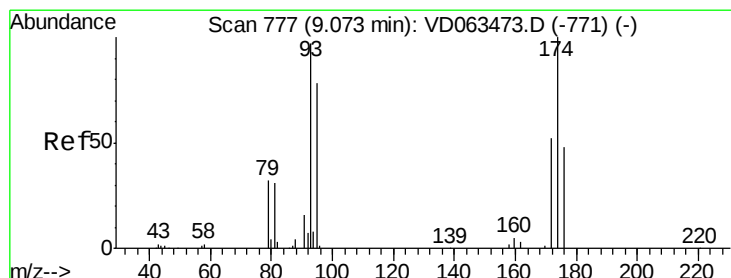
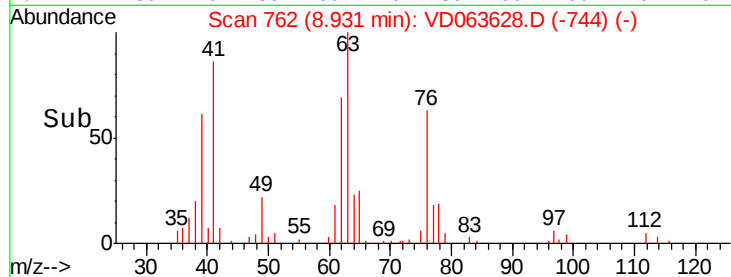
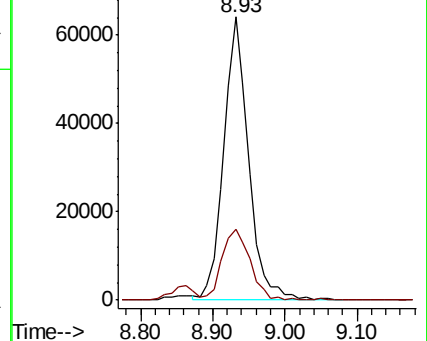
63 100

65 25.0 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.344 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD063628.D

Acq: 16 Aug 2019 10:50

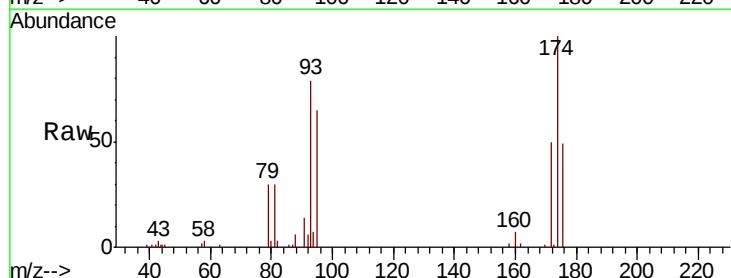
Tgt Ion: 93 Resp: 119391

Ion Ratio Lower Upper

93 100

95 82.8 64.2 96.2

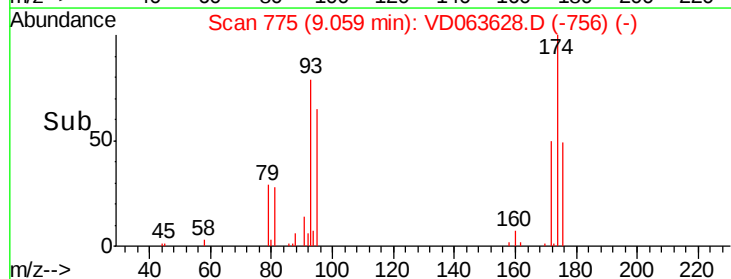
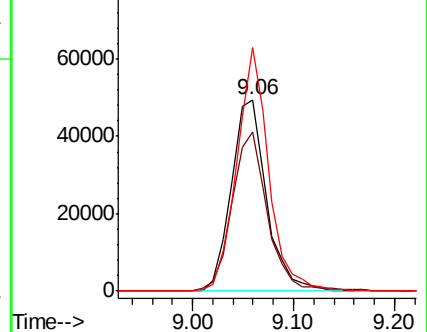
174 127.2 82.1 123.1#

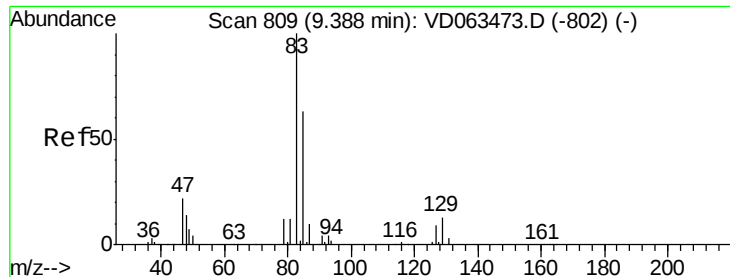


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.390 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.02 min

Lab File: VD063628.D

Acq: 16 Aug 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBS01

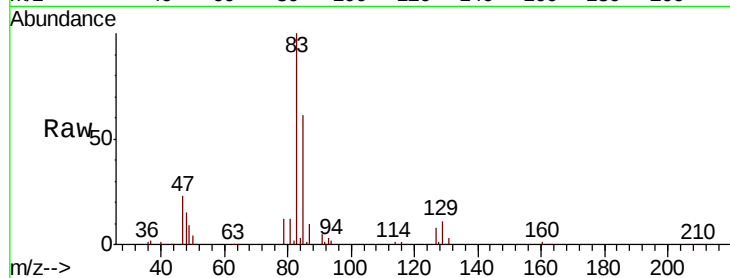
Tgt Ion: 83 Resp: 306941

Ion Ratio Lower Upper

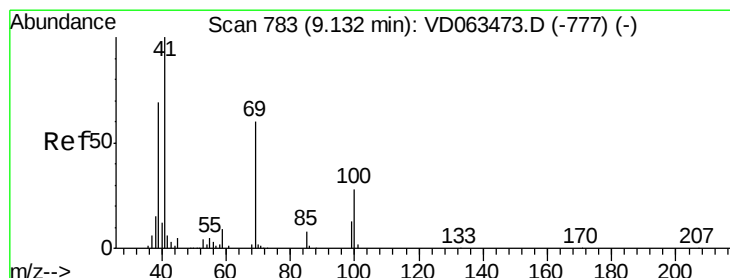
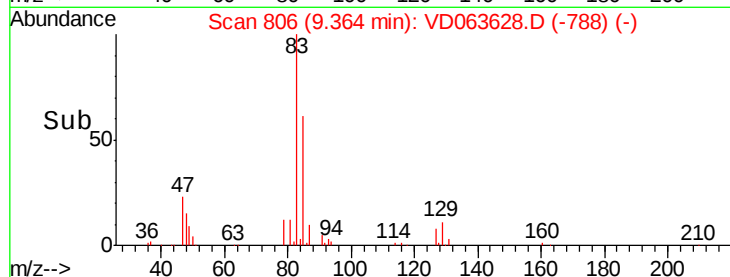
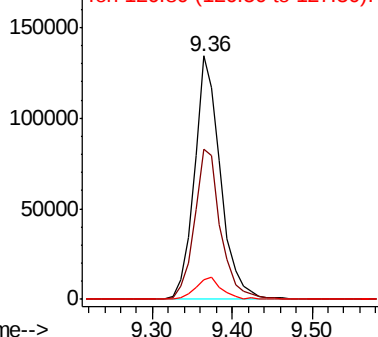
83 100

85 61.4 50.1 75.1

127 8.1 7.6 11.4



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



#48

Methyl methacrylate

Concen: 19.259 ug/l

RT: 9.11 min Scan# 780

Delta R.T. -0.02 min

Lab File: VD063628.D

Acq: 16 Aug 2019 10:50

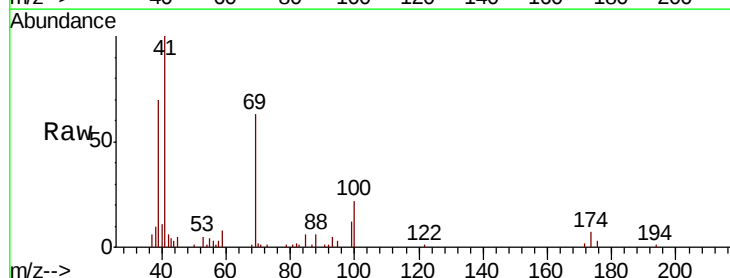
Tgt Ion: 41 Resp: 98290

Ion Ratio Lower Upper

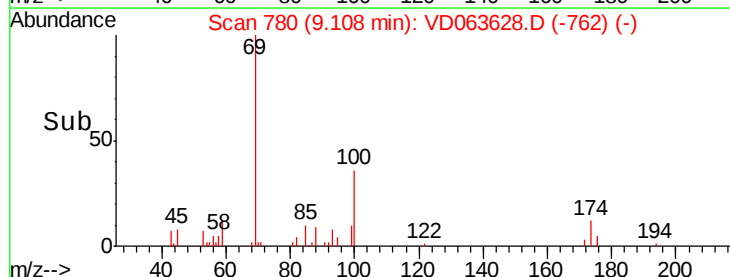
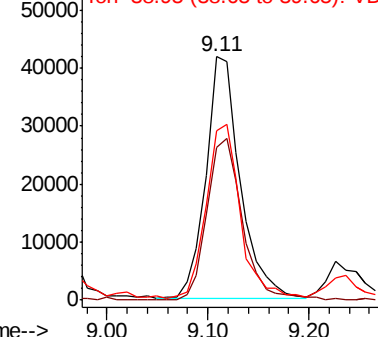
41 100

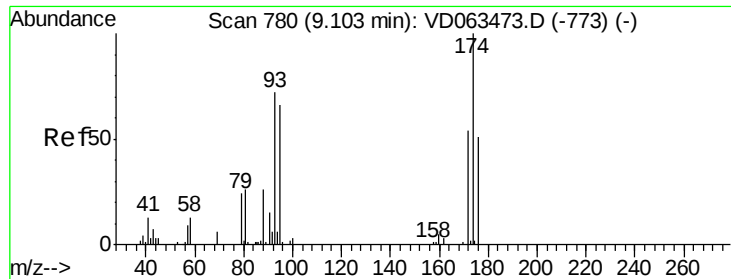
69 62.7 47.6 71.4

39 69.7 55.7 83.5



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

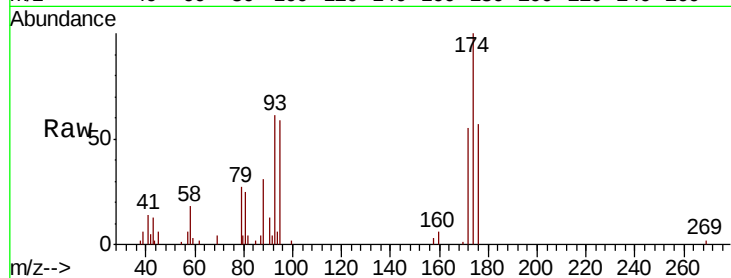




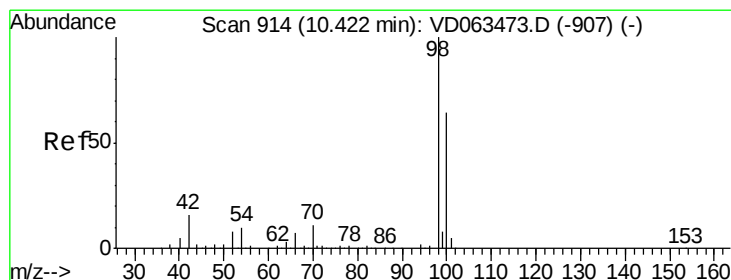
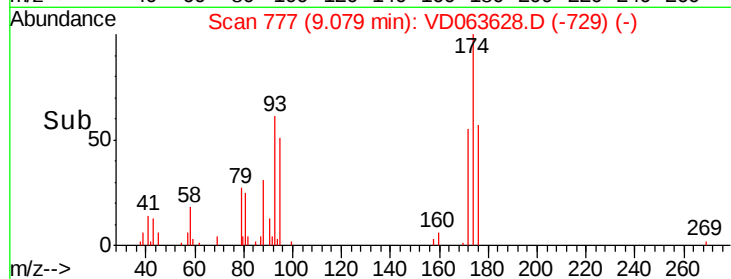
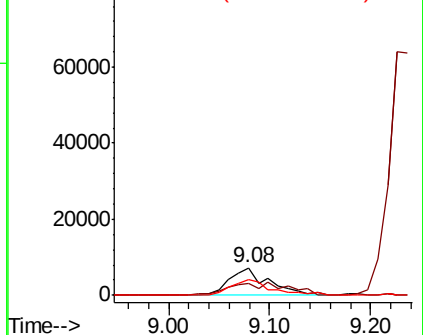
#49
1,4-Dioxane
Concen: 444.510 ug/l
RT: 9.08 min Scan# 777
Delta R.T. -0.02 min
Lab File: VD063628.D
Acq: 16 Aug 2019 10:50

Instrument :
MSVOA_D
ClientSampleId :
VD0816SBS01

Tgt Ion: 88 Resp: 19616
Ion Ratio Lower Upper
88 100
43 49.3 22.9 34.3#
58 57.6 40.1 60.1

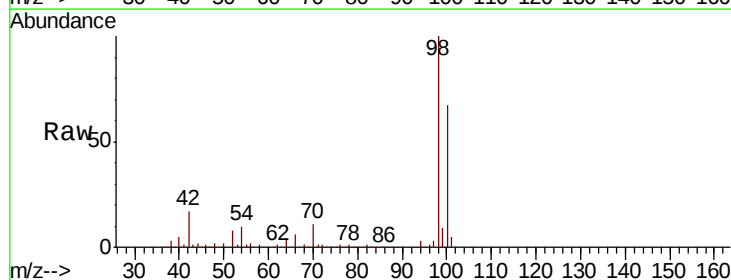


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

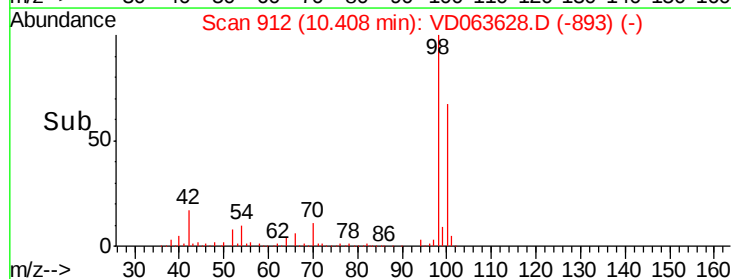
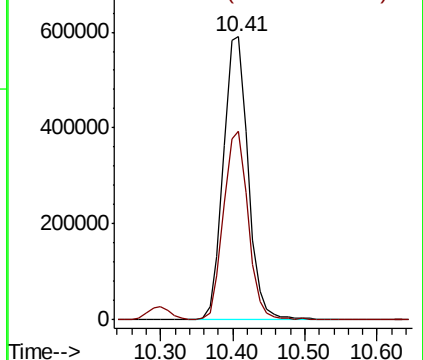


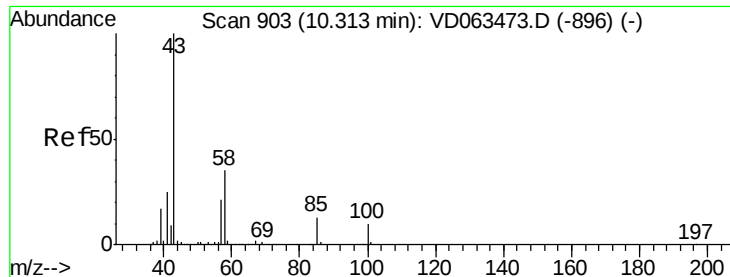
#50
Toluene-d8
Concen: 50.020 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD063628.D
Acq: 16 Aug 2019 10:50

Tgt Ion: 98 Resp: 1404866
Ion Ratio Lower Upper
98 100
100 66.9 51.7 77.5



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

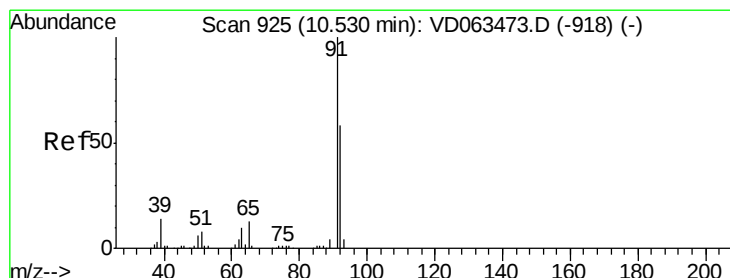
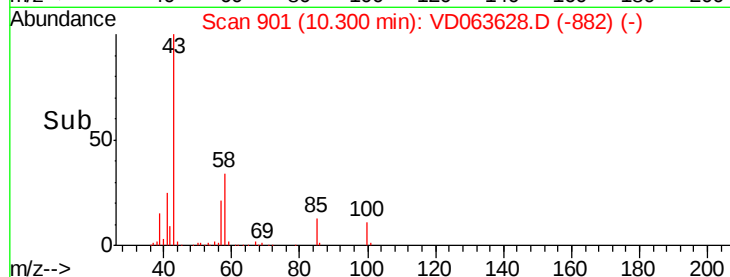
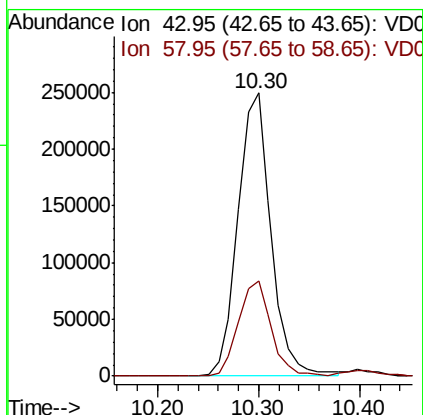
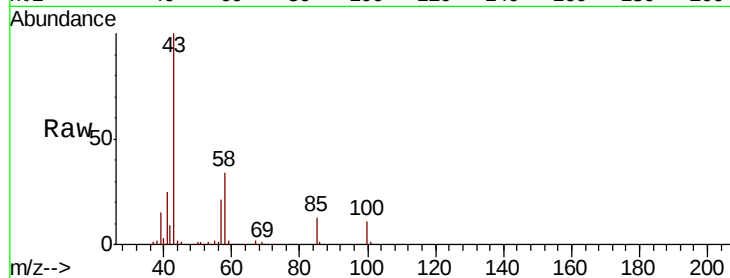




#51
 4-Methyl-2-Pentanone
 Concen: 110.575 ug/l
 RT: 10.30 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: VD063628.D
 Acq: 16 Aug 2019 10:50

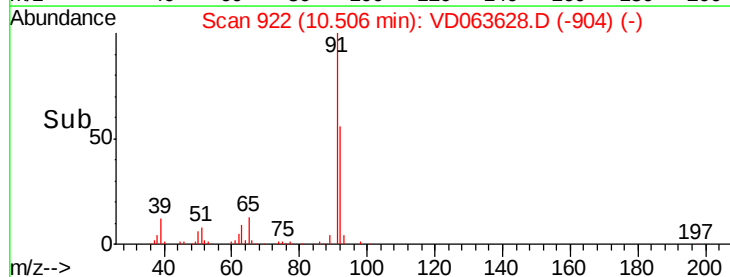
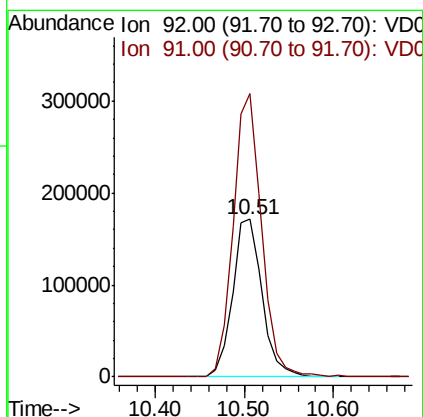
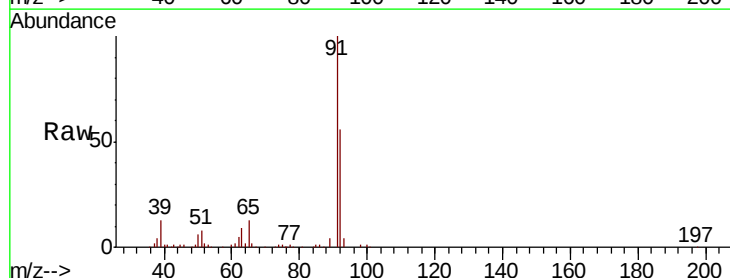
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

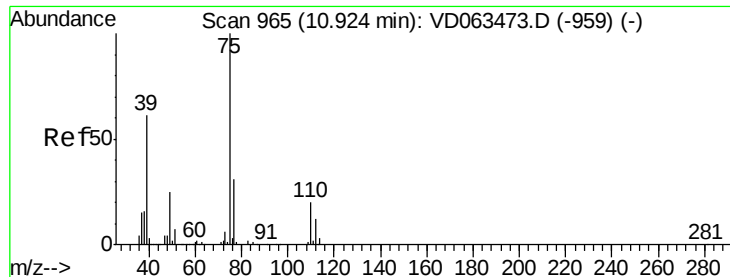
Tgt Ion: 43 Resp: 569398
 Ion Ratio Lower Upper
 43 100
 58 33.6 28.0 42.0



#52
 Toluene
 Concen: 20.867 ug/l
 RT: 10.51 min Scan# 922
 Delta R.T. -0.02 min
 Lab File: VD063628.D
 Acq: 16 Aug 2019 10:50

Tgt Ion: 92 Resp: 396609
 Ion Ratio Lower Upper
 92 100
 91 179.6 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 21.891 ug/l

RT: 10.91 min Scan# 963

Delta R.T. -0.01 min

Lab File: VD063628.D

Acq: 16 Aug 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

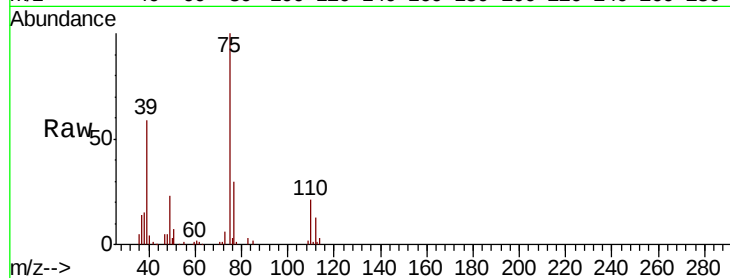
VD0816SBS01

Tgt Ion: 75 Resp: 268923

Ion Ratio Lower Upper

75 100

77 30.3 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.91

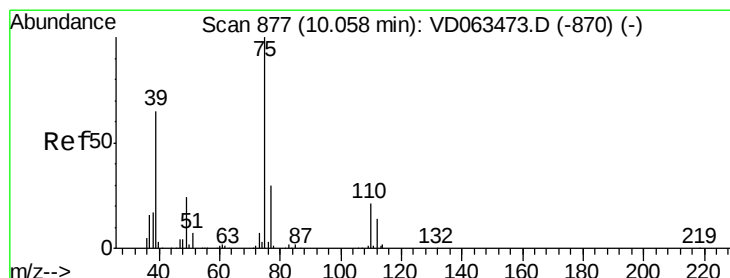
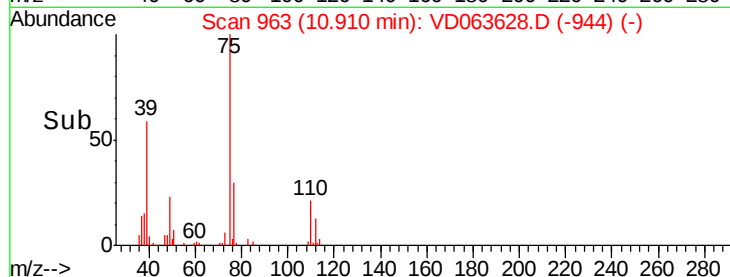
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.877 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.02 min

Lab File: VD063628.D

Acq: 16 Aug 2019 10:50

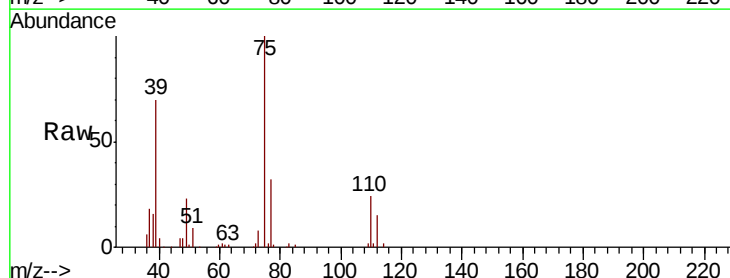
Tgt Ion: 75 Resp: 275337

Ion Ratio Lower Upper

75 100

77 31.6 23.7 35.5

39 70.2 52.2 78.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.03

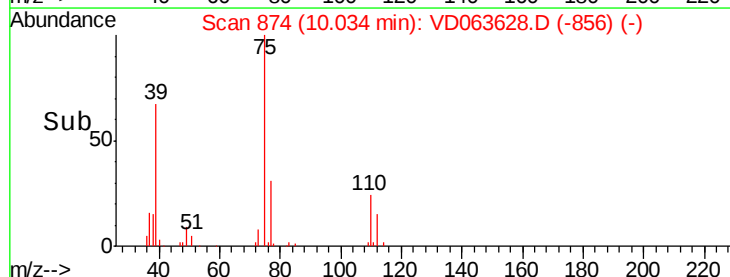
150000

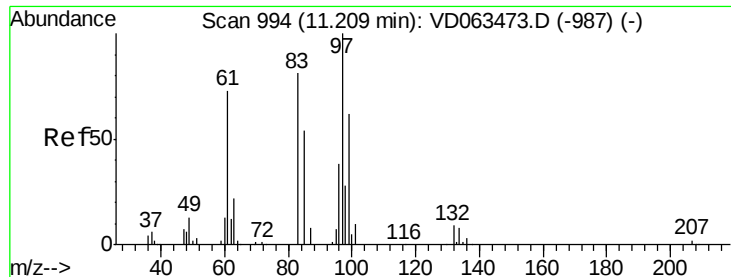
100000

50000

0

Time-->

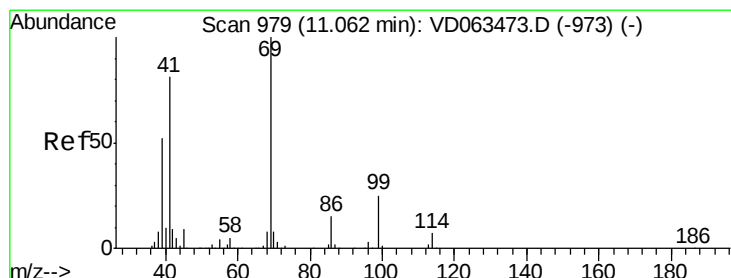
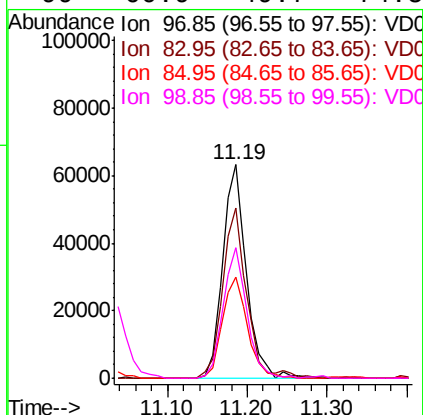
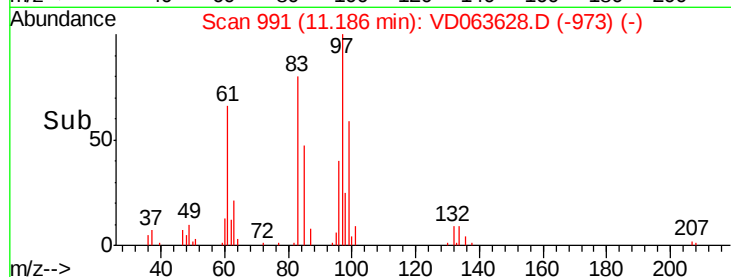
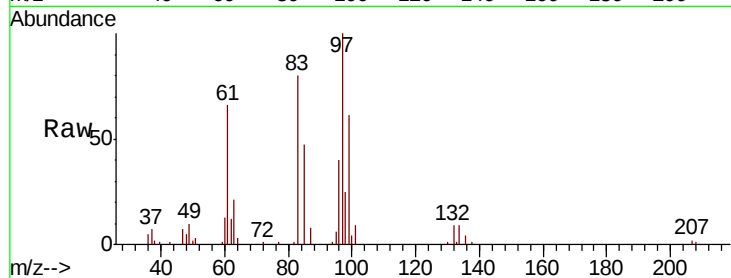




#55
 1,1,2-Trichloroethane
 Concen: 20.631 ug/l
 RT: 11.19 min Scan# 991
 Delta R.T. -0.02 min
 Lab File: VD063628.D
 Acq: 16 Aug 2019 10:50

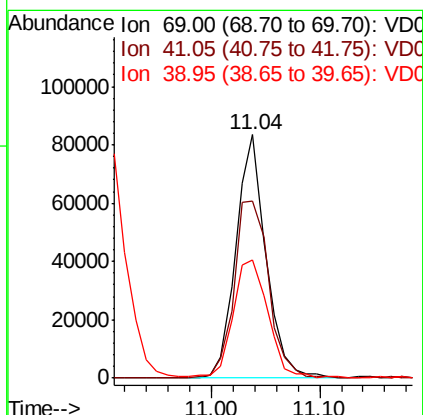
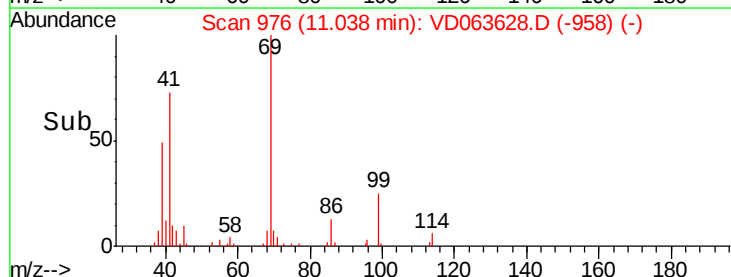
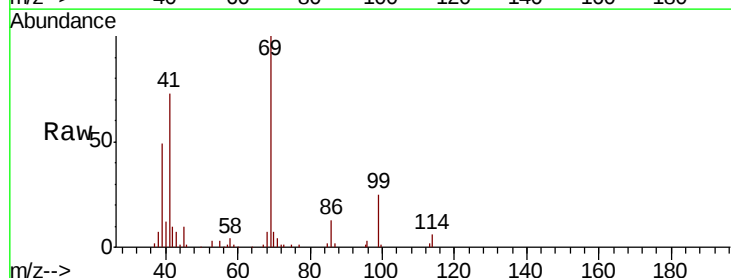
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

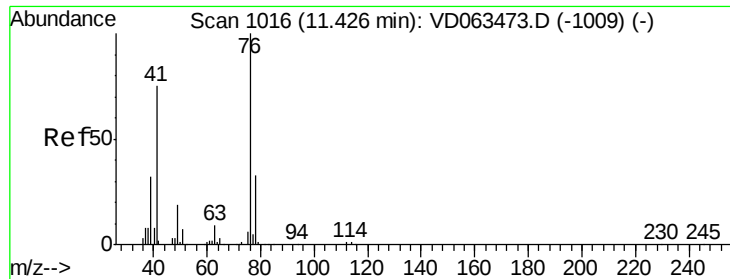
Tgt Ion	Resp	Lower	Upper
97	100		
83	79.9	64.7	97.1
85	47.3	42.9	64.3
99	60.9	49.7	74.5



#56
 Ethyl methacrylate
 Concen: 23.027 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. -0.02 min
 Lab File: VD063628.D
 Acq: 16 Aug 2019 10:50

Tgt Ion	Resp	Lower	Upper
69	100		
41	72.6	64.8	97.2
39	48.7	42.4	63.6





#57

1,3-Dichloropropane

Concen: 21.216 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.02 min

Lab File: VD063628.D

Acq: 16 Aug 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

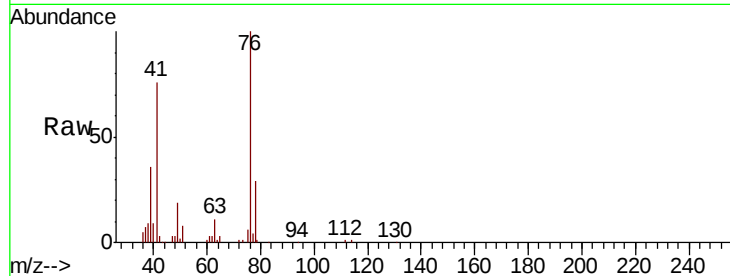
VD0816SBS01

Tgt Ion: 76 Resp: 205899

Ion Ratio Lower Upper

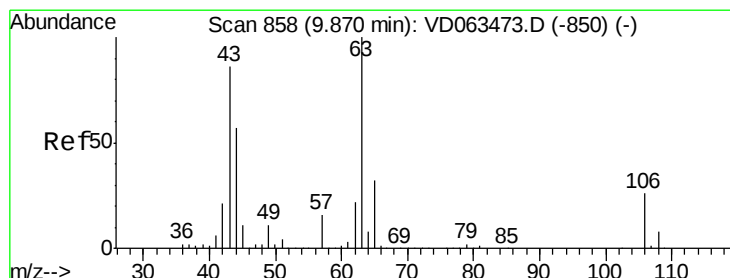
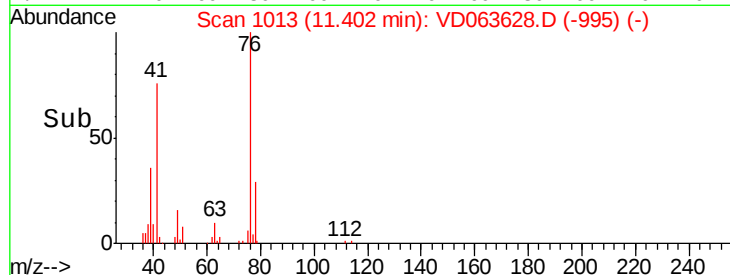
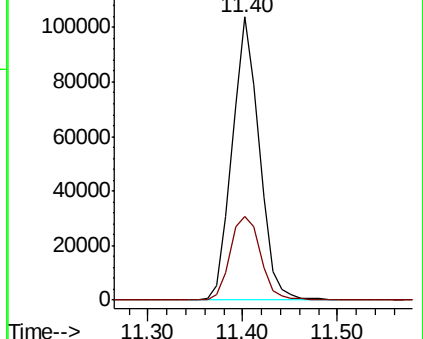
76 100

78 29.4 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 101.991 ug/l

RT: 9.85 min Scan# 855

Delta R.T. -0.02 min

Lab File: VD063628.D

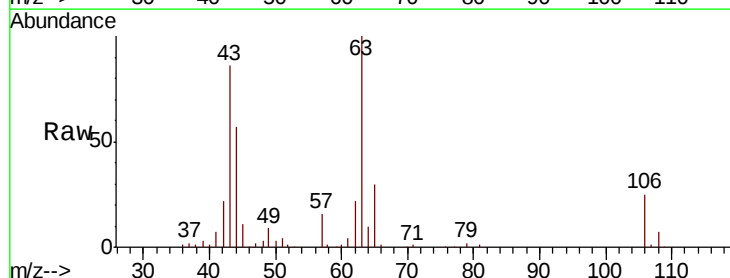
Acq: 16 Aug 2019 10:50

Tgt Ion: 63 Resp: 375217

Ion Ratio Lower Upper

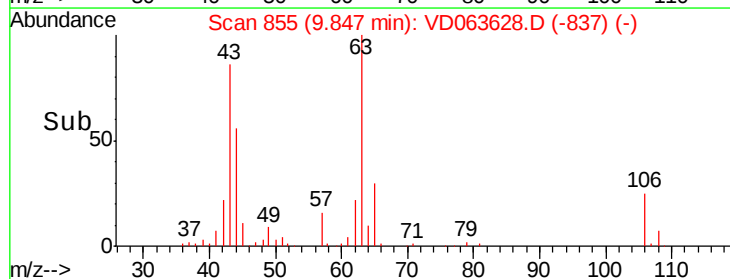
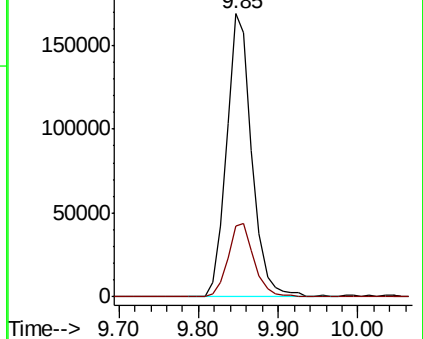
63 100

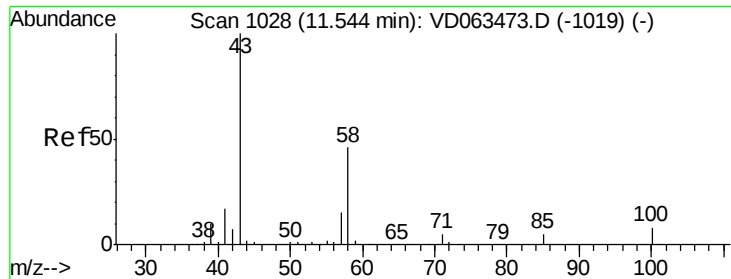
106 25.1 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

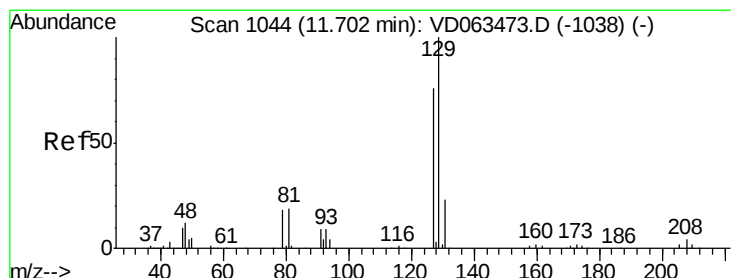
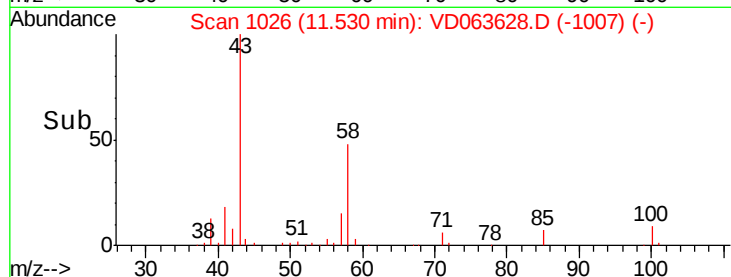
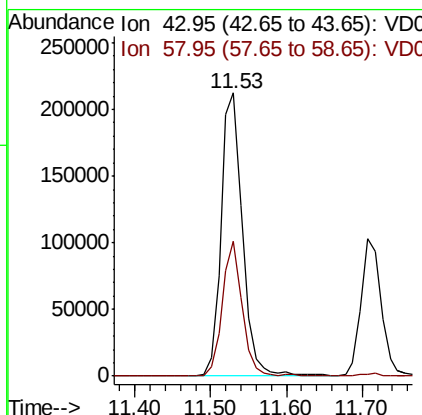
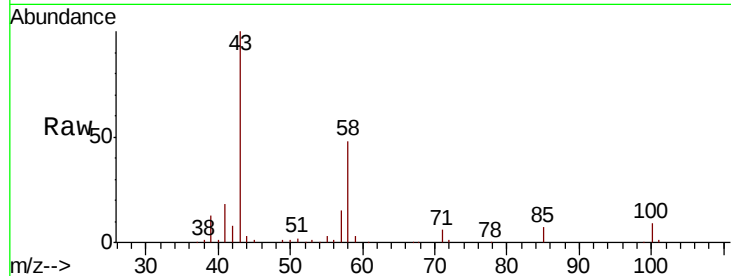




#59
2-Hexanone
Concen: 111.347 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD063628.D
Acq: 16 Aug 2019 10:50

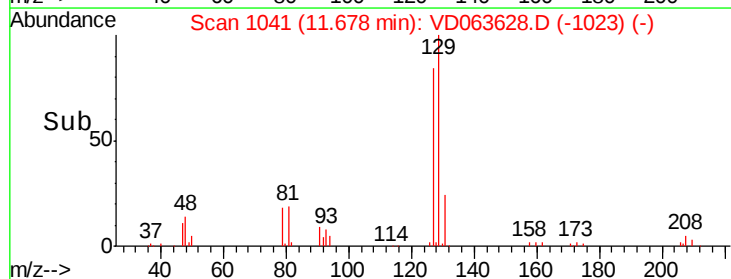
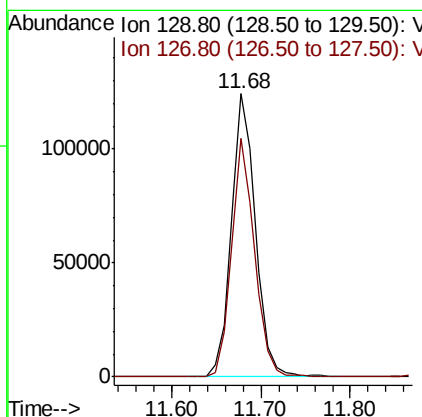
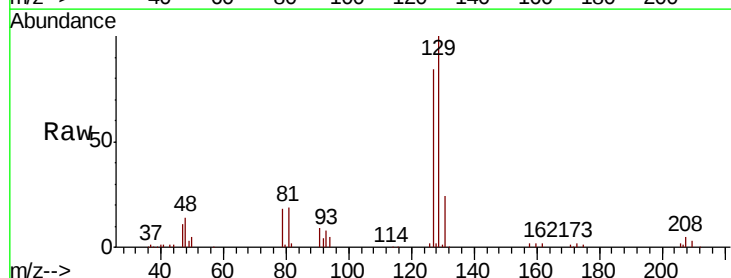
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBS01

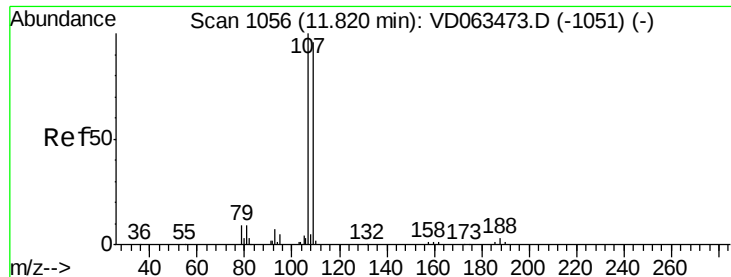
Tgt Ion: 43 Resp: 417205
Ion Ratio Lower Upper
43 100
58 47.6 23.1 69.2



#60
Dibromochloromethane
Concen: 20.282 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.02 min
Lab File: VD063628.D
Acq: 16 Aug 2019 10:50

Tgt Ion: 129 Resp: 236946
Ion Ratio Lower Upper
129 100
127 84.5 37.8 113.4

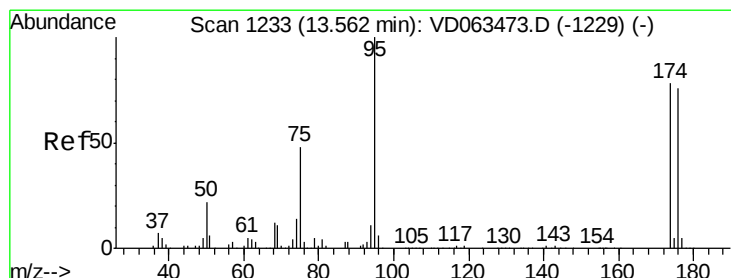
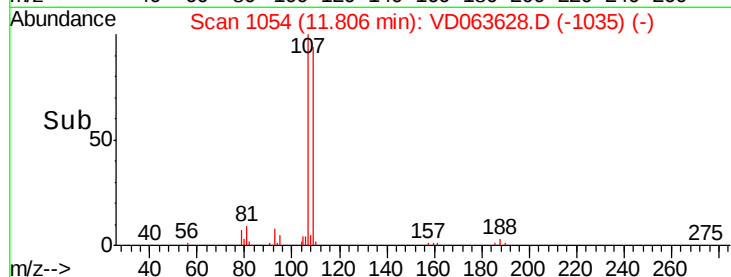
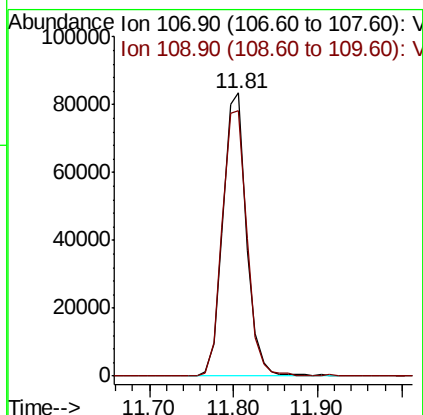
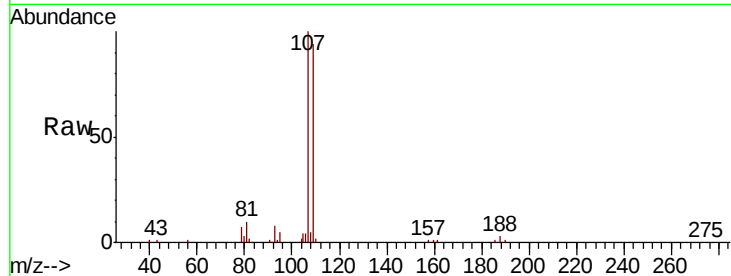




#61
 1,2-Dibromoethane
 Concen: 20.747 ug/l
 RT: 11.81 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD063628.D
 Acq: 16 Aug 2019 10:50

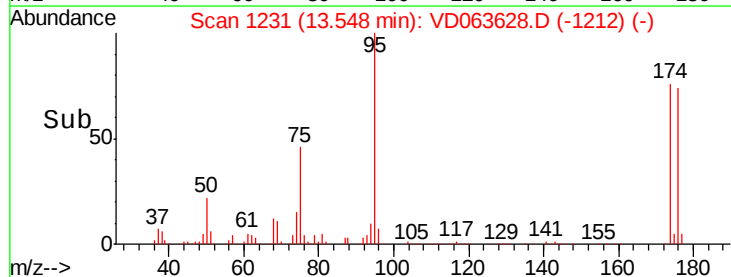
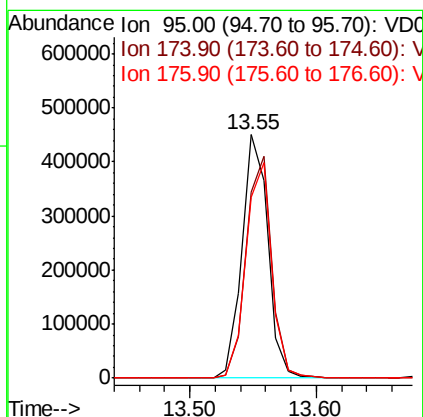
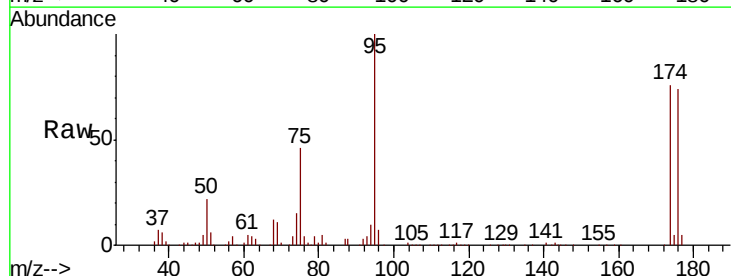
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

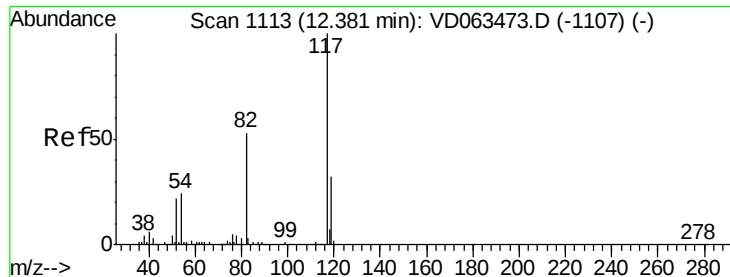
Tgt Ion: 107 Resp: 161254
 Ion Ratio Lower Upper
 107 100
 109 93.6 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 50.142 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD063628.D
 Acq: 16 Aug 2019 10:50

Tgt Ion: 95 Resp: 638293
 Ion Ratio Lower Upper
 95 100
 174 76.2 0.0 155.4
 176 74.4 0.0 152.4

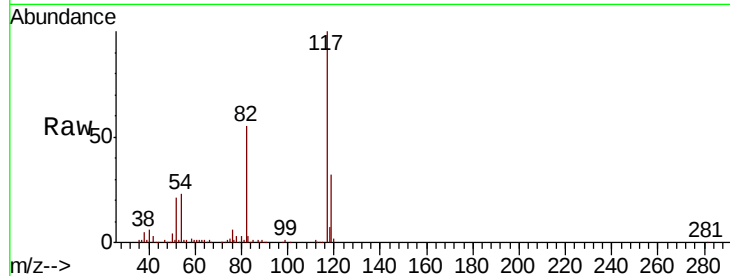




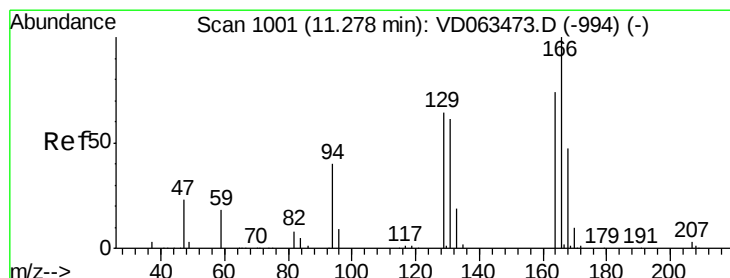
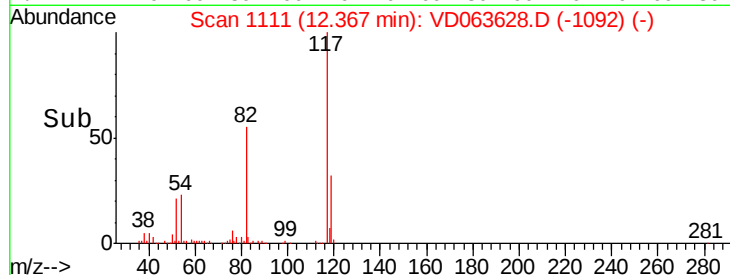
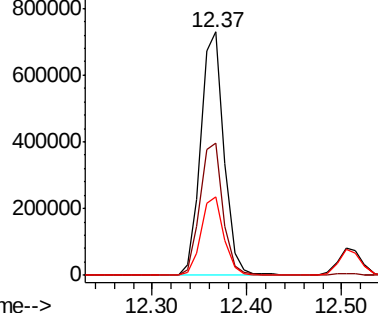
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063628.D
Acq: 16 Aug 2019 10:50

Instrument :
MSVOA_D
ClientSampleId :
VD0816SBS01

Tgt Ion:117 Resp: 1240931
Ion Ratio Lower Upper
117 100
82 54.6 42.0 63.0
119 32.2 25.4 38.0

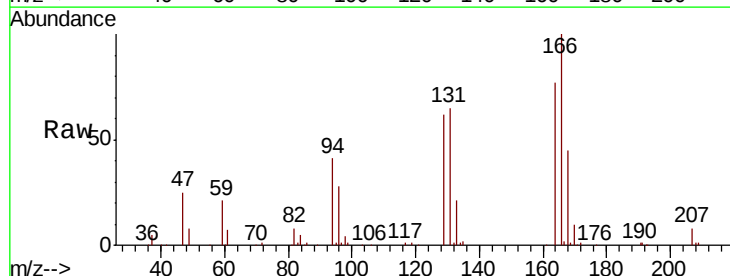


Abundance Ion 116.95 (116.65 to 117.65): V
1000000 Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

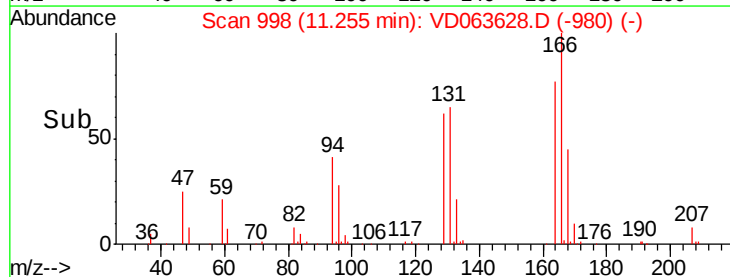
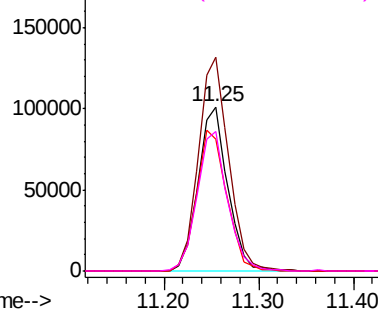


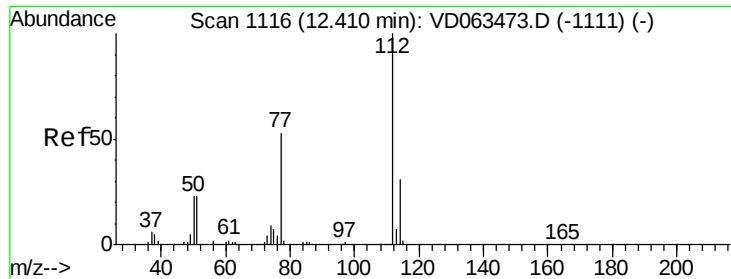
#64
Tetrachloroethene
Concen: 22.801 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.02 min
Lab File: VD063628.D
Acq: 16 Aug 2019 10:50

Tgt Ion:164 Resp: 218429
Ion Ratio Lower Upper
164 100
166 130.0 108.6 163.0
129 80.3 69.0 103.6
131 84.7 66.6 99.8



Abundance Ion 163.85 (163.55 to 164.55): V
200000 Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

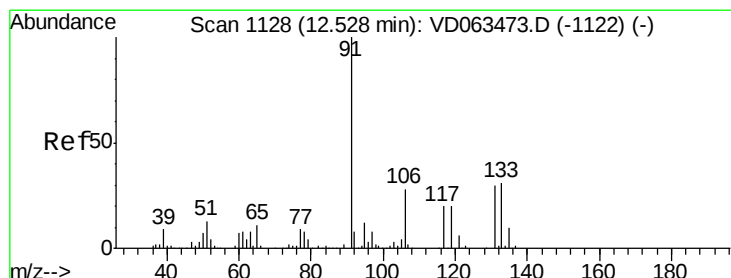
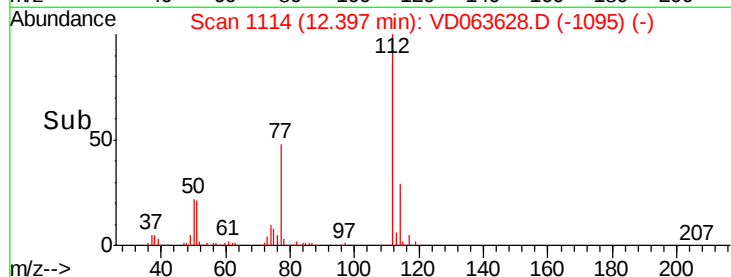
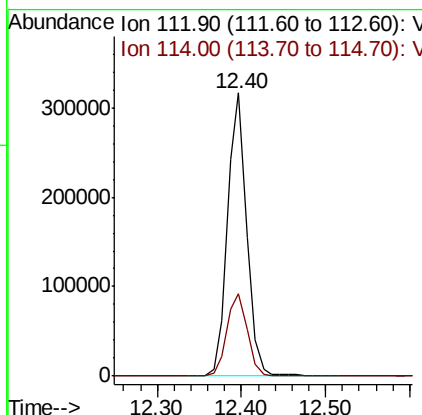
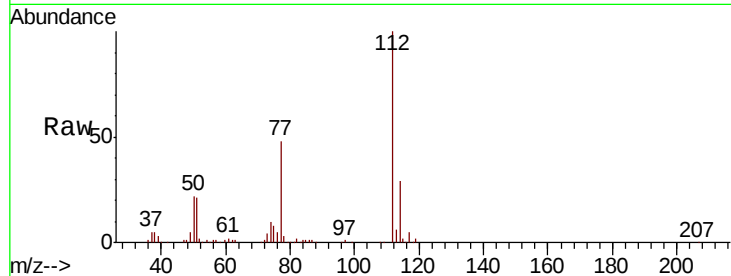




#65
Chlorobenzene
Concen: 21.405 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD063628.D
Acq: 16 Aug 2019 10:50

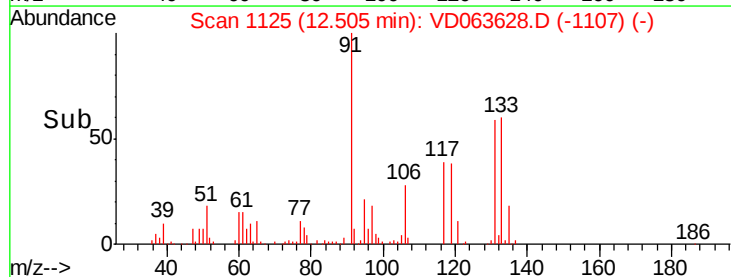
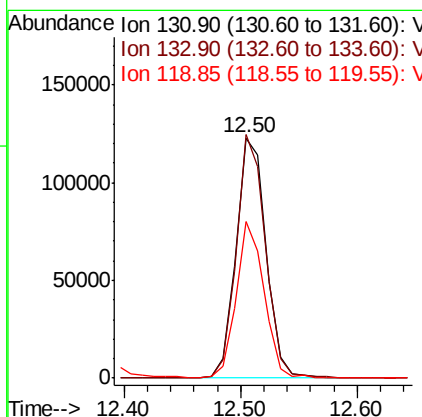
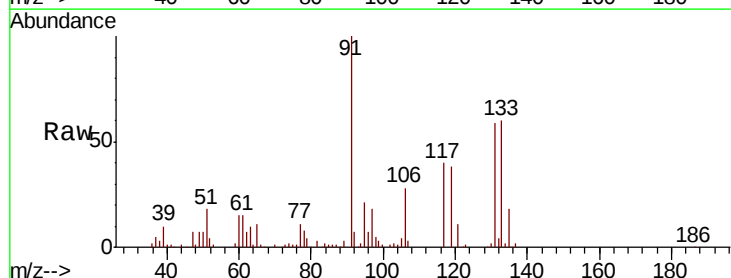
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBS01

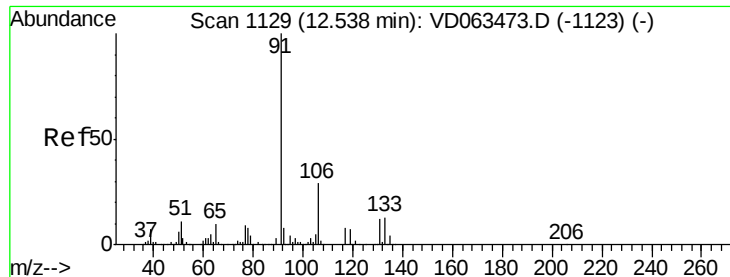
Tgt Ion:112 Resp: 497836
Ion Ratio Lower Upper
112 100
114 29.1 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.352 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.02 min
Lab File: VD063628.D
Acq: 16 Aug 2019 10:50

Tgt Ion:131 Resp: 218553
Ion Ratio Lower Upper
131 100
133 101.3 51.1 153.3
119 64.9 33.1 99.3

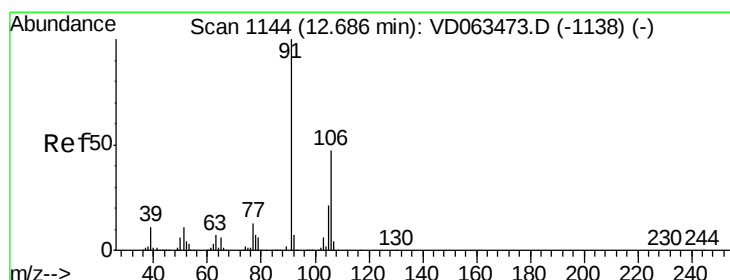
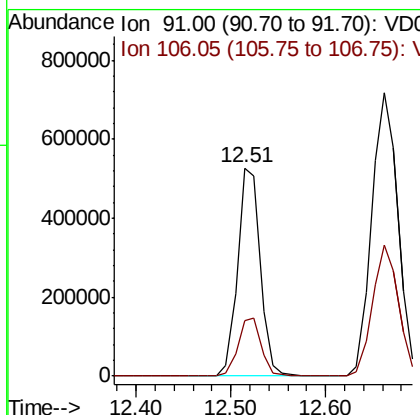
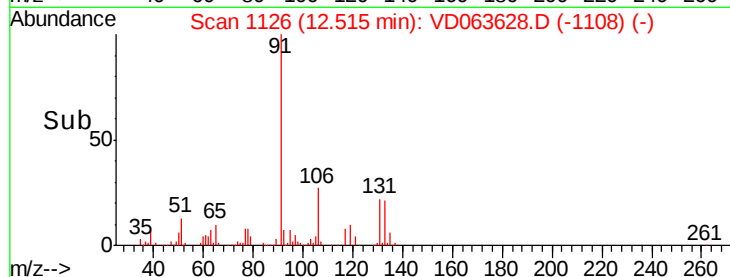
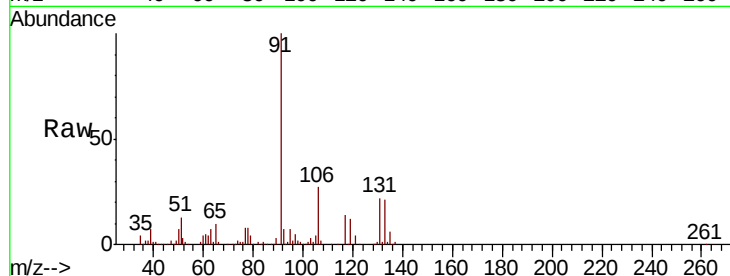




#67
Ethyl Benzene
Concen: 21.650 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD063628.D
Acq: 16 Aug 2019 10:50

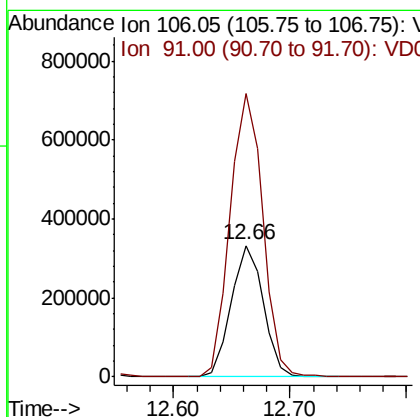
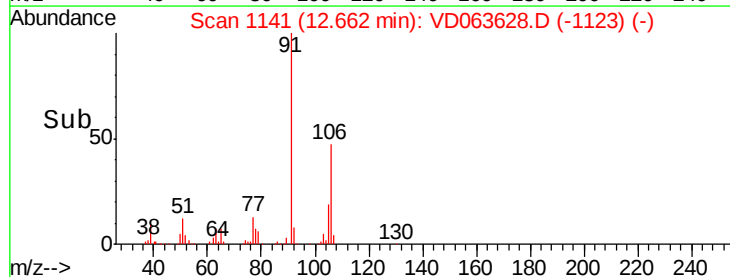
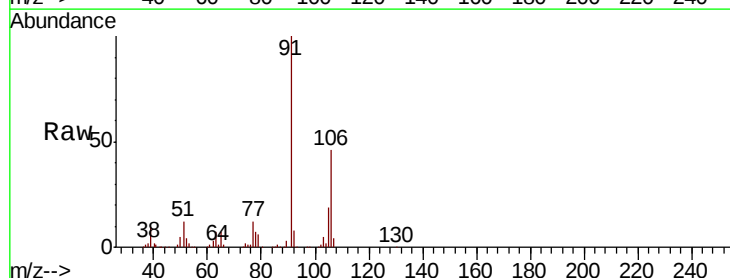
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBS01

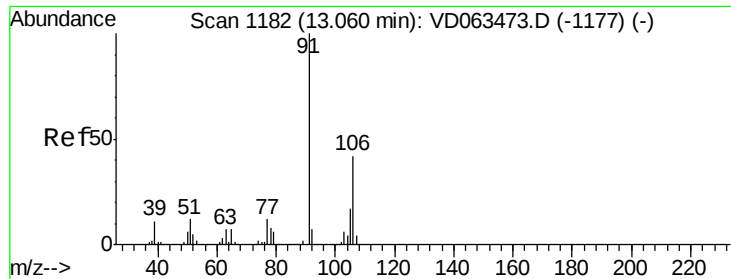
Tgt Ion: 91 Resp: 875519
Ion Ratio Lower Upper
91 100
106 26.7 23.1 34.7



#68
m/p-Xylenes
Concen: 44.625 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.02 min
Lab File: VD063628.D
Acq: 16 Aug 2019 10:50

Tgt Ion: 106 Resp: 634024
Ion Ratio Lower Upper
106 100
91 215.3 171.8 257.8

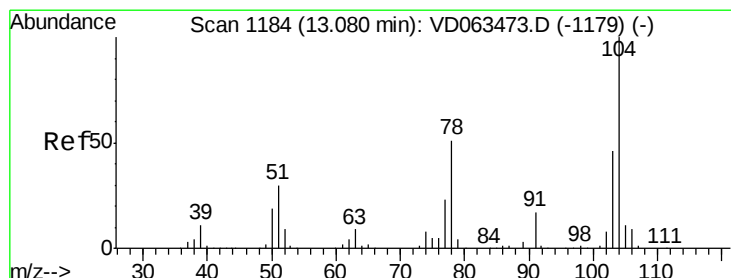
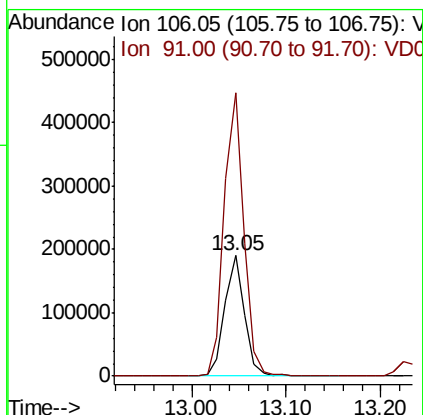
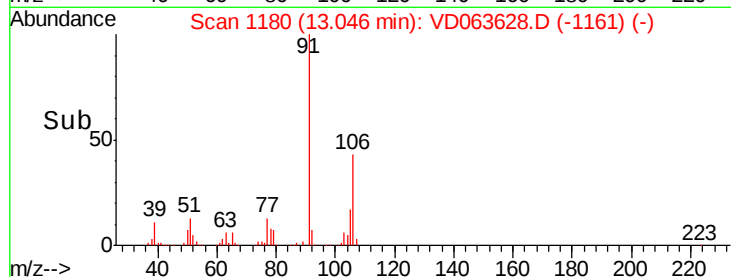
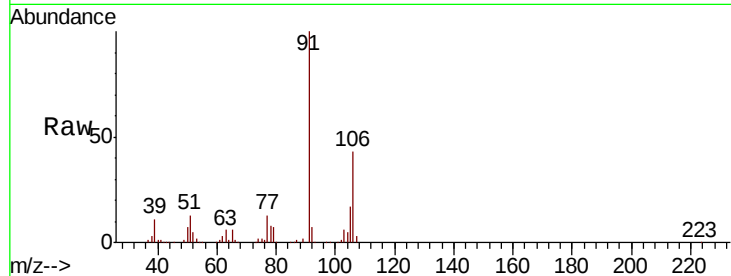




#69
o-Xylene
Concen: 20.059 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD063628.D
Acq: 16 Aug 2019 10:50

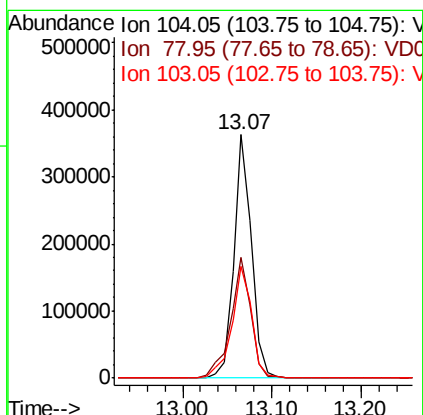
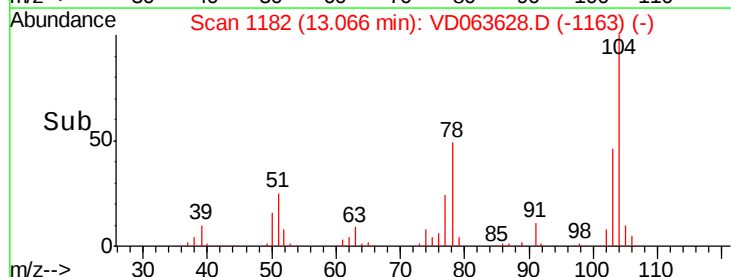
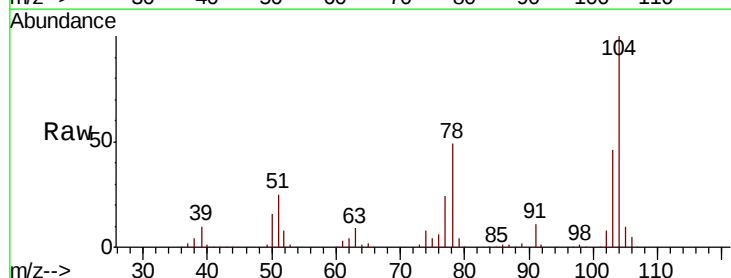
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBS01

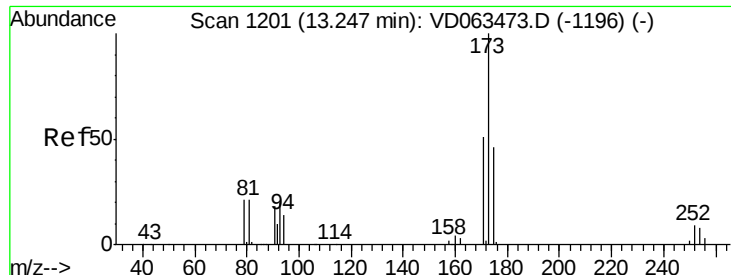
Tgt Ion:106 Resp: 274303
Ion Ratio Lower Upper
106 100
91 234.6 118.1 354.2



#70
Styrene
Concen: 20.866 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063628.D
Acq: 16 Aug 2019 10:50

Tgt Ion:104 Resp: 507555
Ion Ratio Lower Upper
104 100
78 49.4 40.8 61.2
103 46.1 36.4 54.6

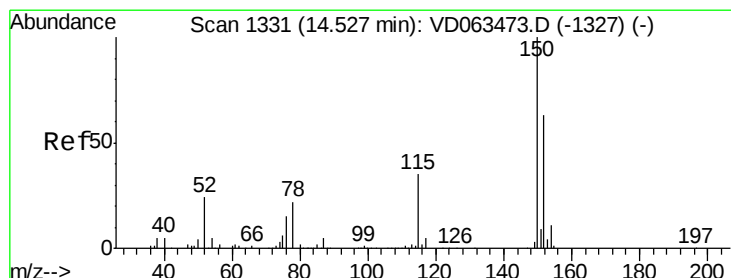
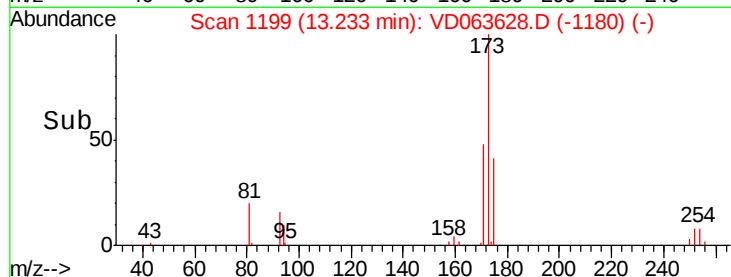
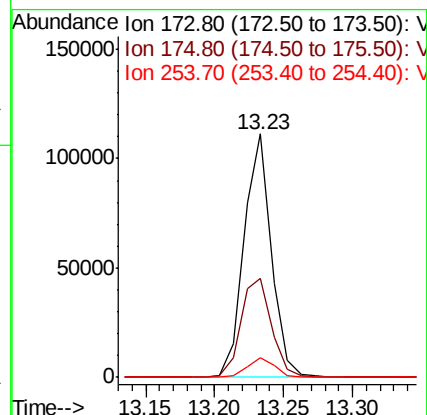
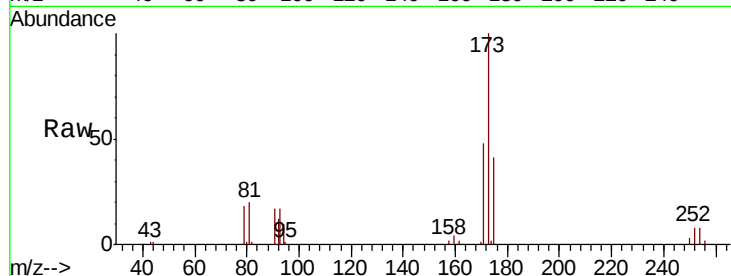




#71
Bromoform
Concen: 21.848 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD063628.D
Acq: 16 Aug 2019 10:50

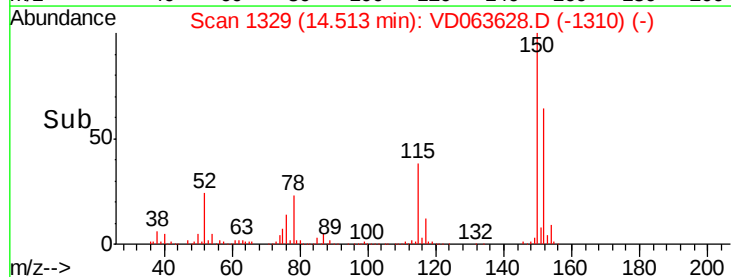
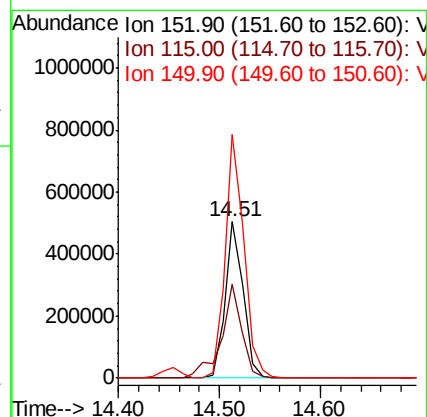
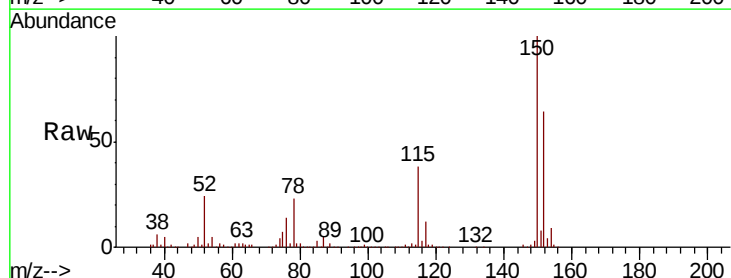
Instrument :
MSVOA_D
ClientSampleId :
VD0816SBS01

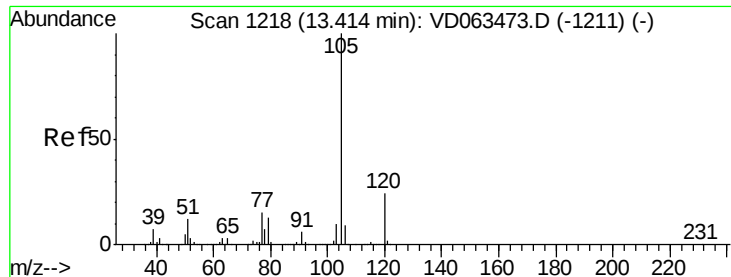
Tgt Ion:173 Resp: 153343
Ion Ratio Lower Upper
173 100
175 40.7 22.8 68.3
254 7.9 6.6 9.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063628.D
Acq: 16 Aug 2019 10:50

Tgt Ion:152 Resp: 630003
Ion Ratio Lower Upper
152 100
115 59.9 30.9 92.7
150 155.7 0.0 318.6





#73

Isopropylbenzene

Concen: 22.383 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD063628.D

Acq: 16 Aug 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

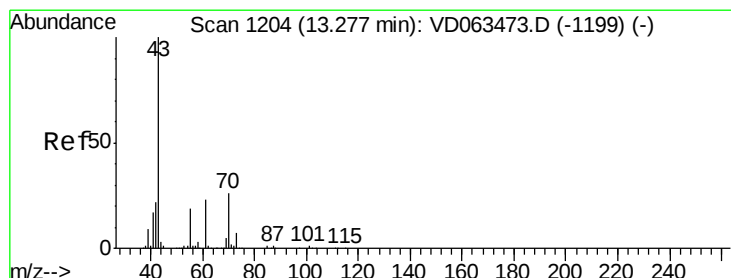
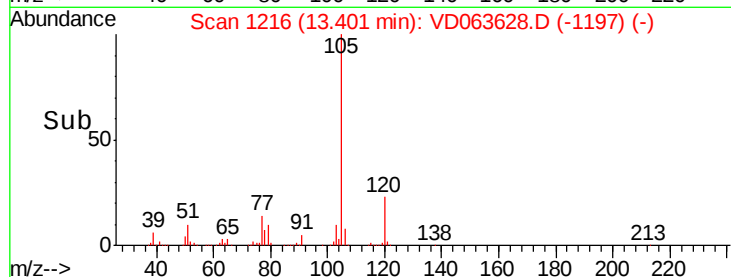
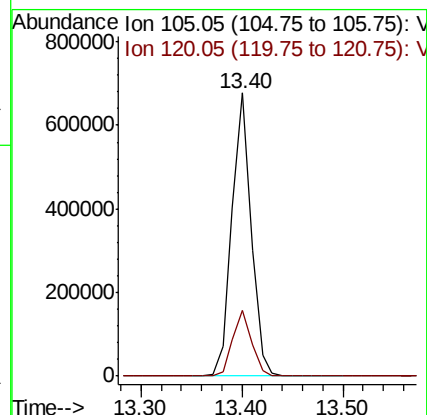
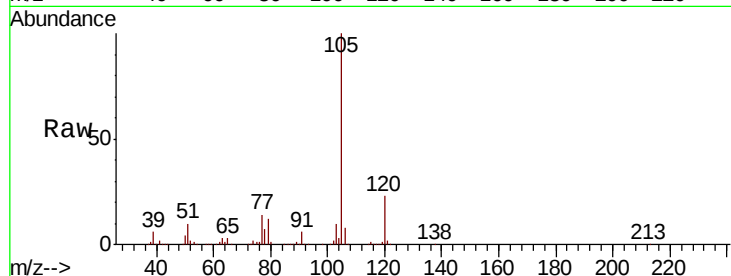
VD0816SBS01

Tgt Ion: 105 Resp: 896929

Ion Ratio Lower Upper

105 100

120 23.3 11.9 35.9



#74

N-ethyl acetate

Concen: 23.079 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD063628.D

Acq: 16 Aug 2019 10:50

Tgt Ion: 43 Resp: 232160

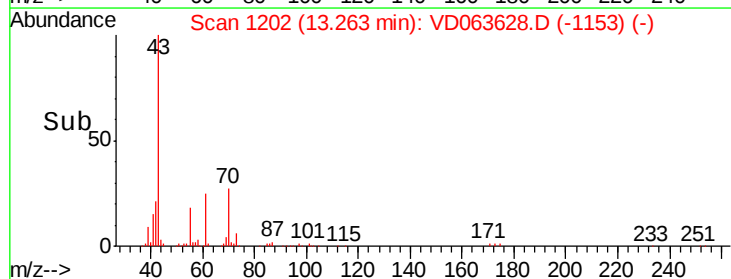
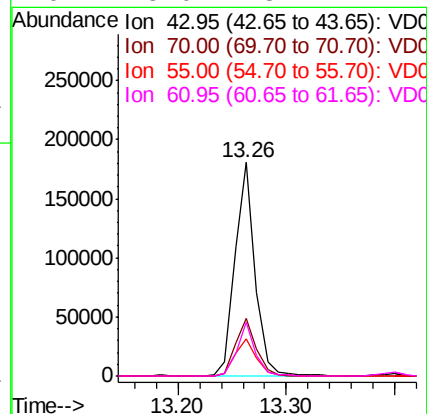
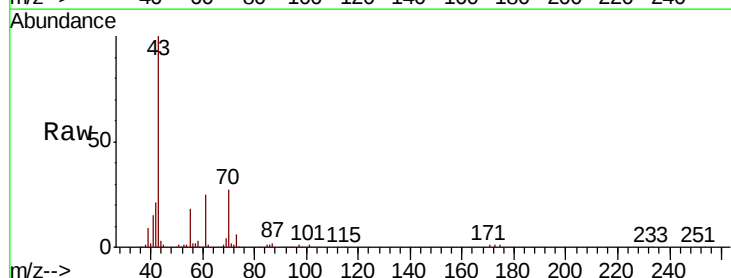
Ion Ratio Lower Upper

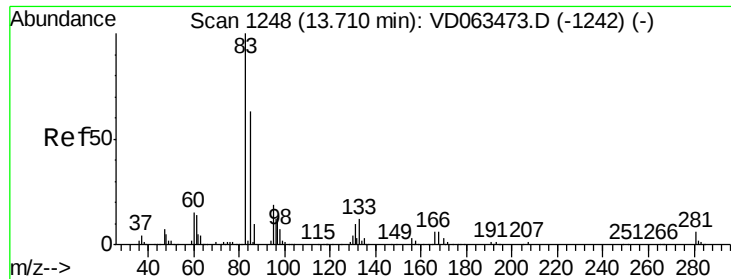
43 100

70 26.7 21.1 31.7

55 17.6 15.4 23.0

61 25.0 18.2 27.2

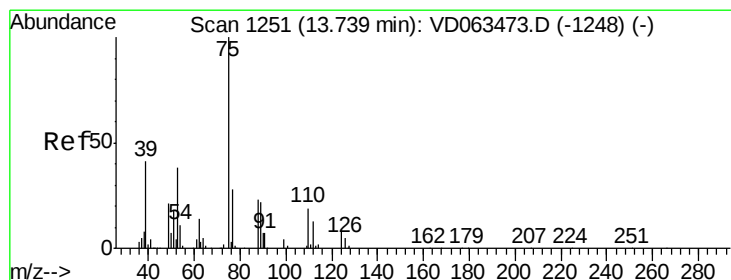
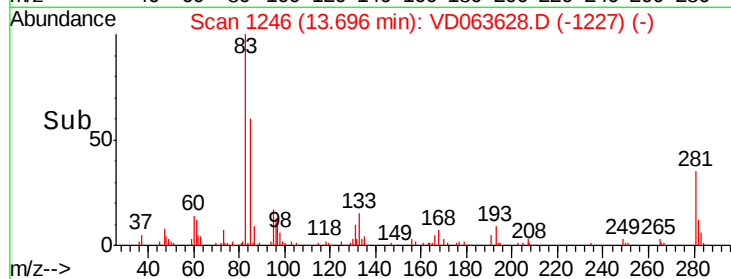
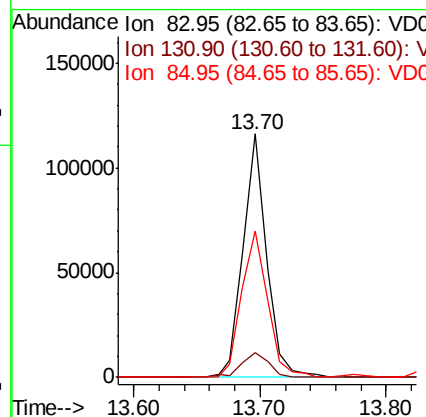
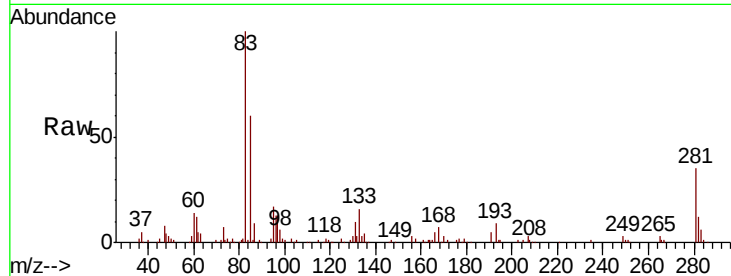




#75
 1,1,2,2-Tetrachloroethane
 Concen: 22.471 ug/l
 RT: 13.70 min Scan# 1246
 Delta R.T. -0.01 min
 Lab File: VD063628.D
 Acq: 16 Aug 2019 10:50

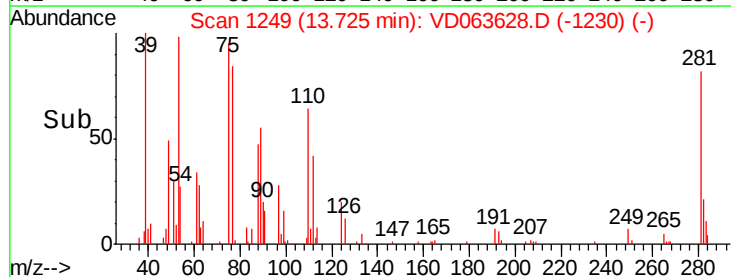
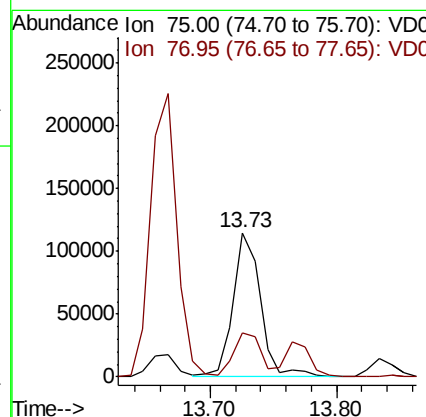
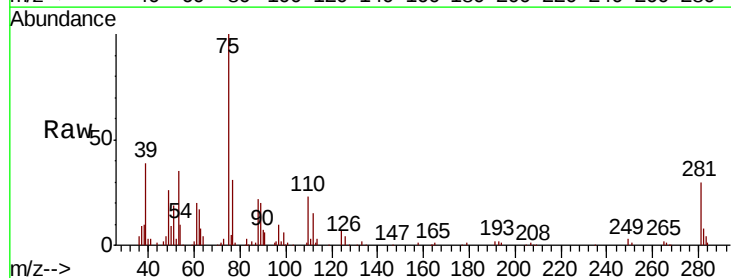
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

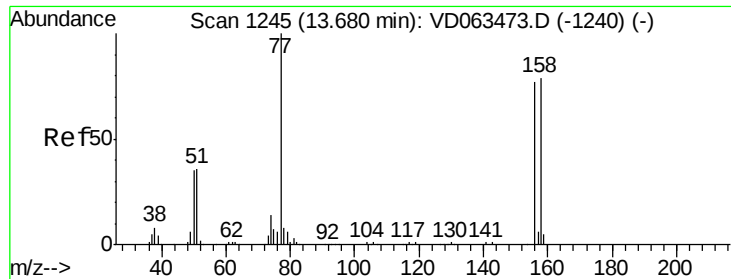
Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.3	15.8
85	59.8	31.4	94.3



#76
 1,2,3-Trichloropropane
 Concen: 23.331 ug/l
 RT: 13.73 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VD063628.D
 Acq: 16 Aug 2019 10:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	15.1	45.3





#77

Bromobenzene

Concen: 23.743 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD063628.D

Acq: 16 Aug 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBS01

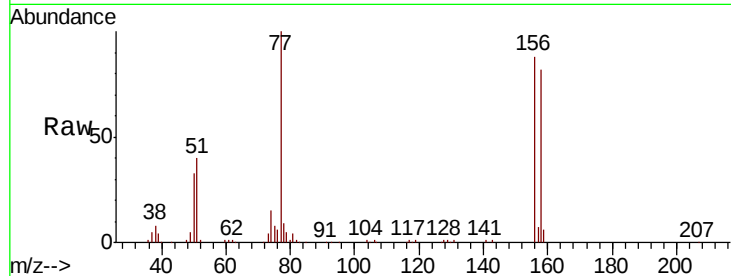
Tgt Ion:156 Resp: 260023

Ion Ratio Lower Upper

156 100

77 113.5 64.6 193.8

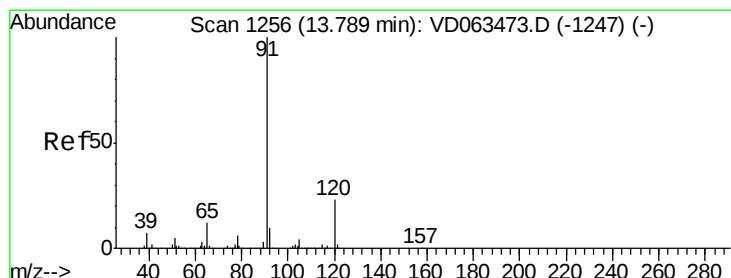
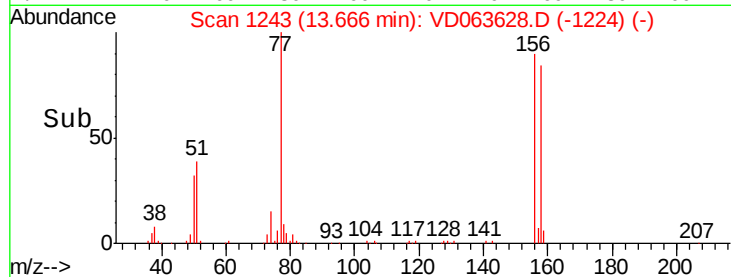
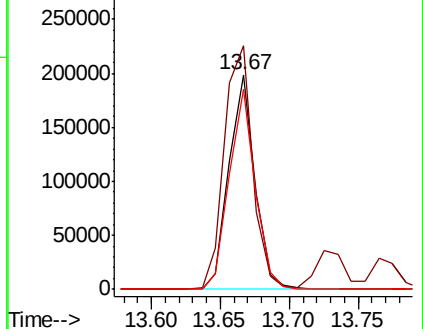
158 93.4 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.932 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD063628.D

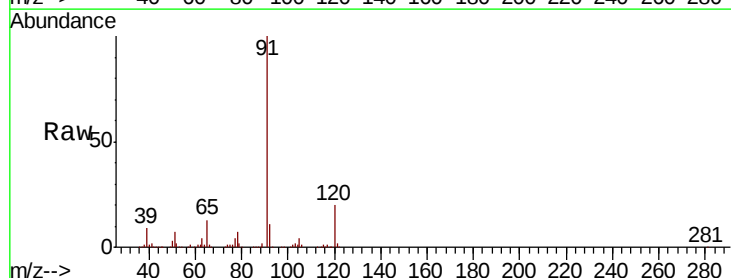
Acq: 16 Aug 2019 10:50

Tgt Ion: 91 Resp: 1028285

Ion Ratio Lower Upper

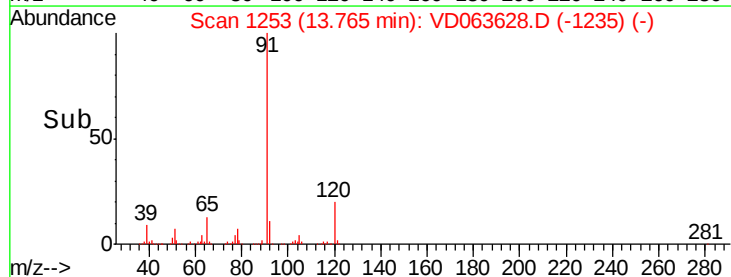
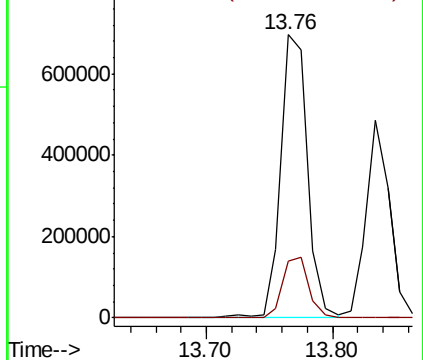
91 100

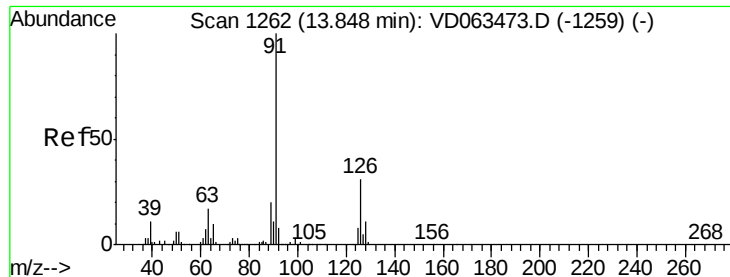
120 20.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 23.551 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD063628.D

Acq: 16 Aug 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

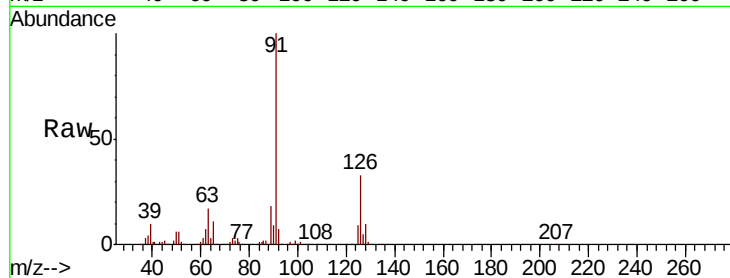
VD0816SBS01

Tgt Ion: 91 Resp: 636657

Ion Ratio Lower Upper

91 100

126 32.6 15.6 46.7



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

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

800000

600000

400000

200000

0

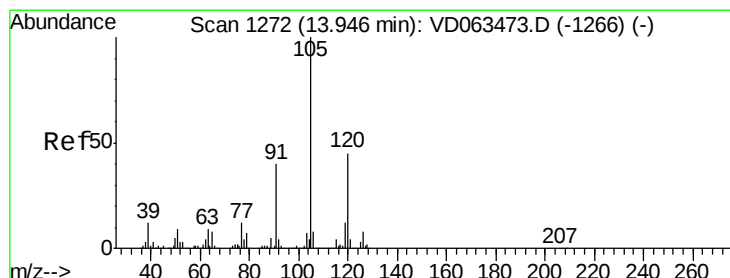
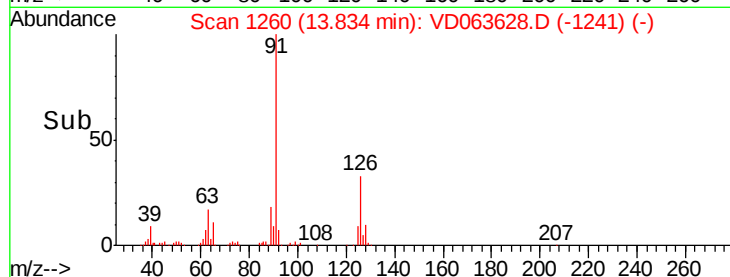
13.80

13.83

13.85

13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.725 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD063628.D

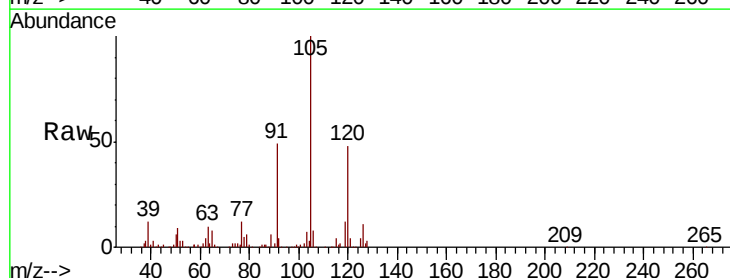
Acq: 16 Aug 2019 10:50

Tgt Ion: 105 Resp: 725611

Ion Ratio Lower Upper

105 100

120 48.1 22.8 68.3



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

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

600000

500000

400000

300000

200000

100000

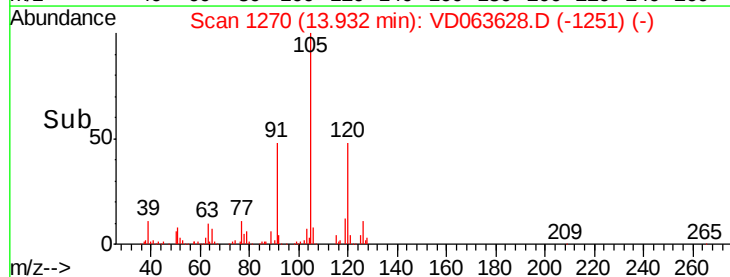
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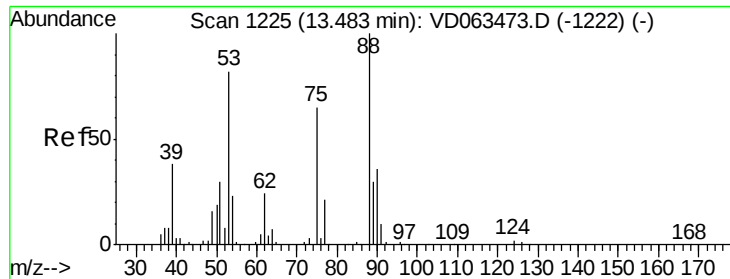
13.90

13.93

14.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.682 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD063628.D

Acq: 16 Aug 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBS01

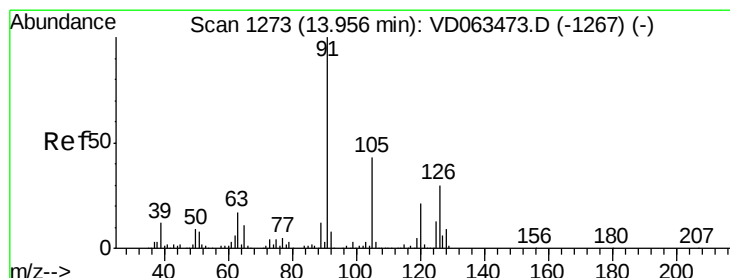
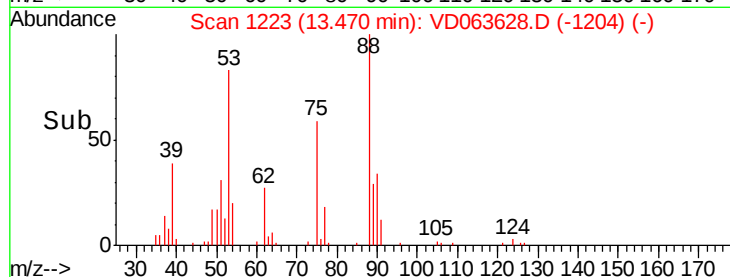
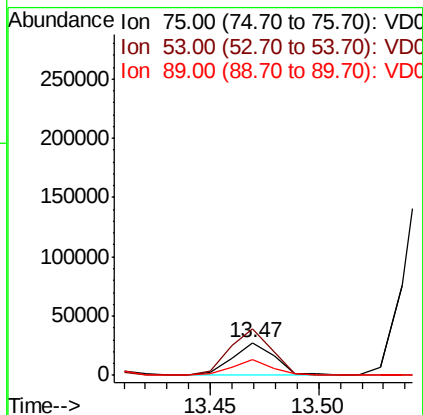
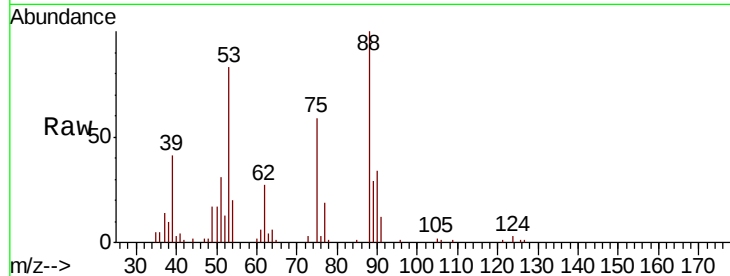
Tgt Ion: 75 Resp: 38248

Ion Ratio Lower Upper

75 100

53 140.5 101.0 151.4

89 49.2 37.0 55.6



#82

4-Chlorotoluene

Concen: 21.856 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD063628.D

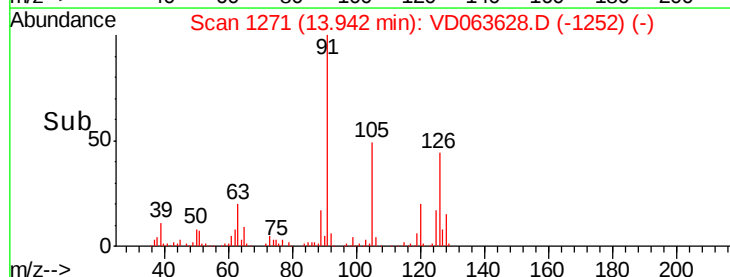
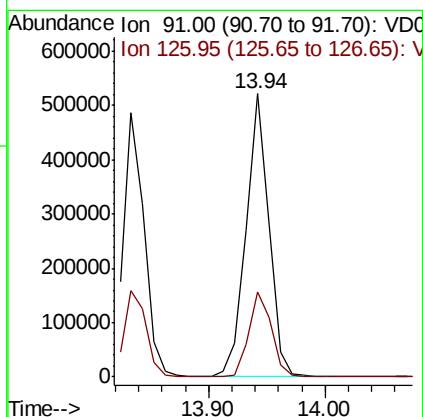
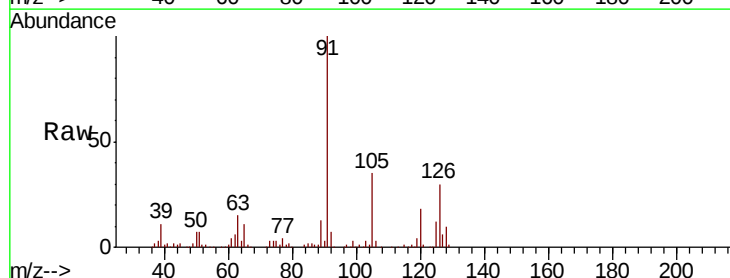
Acq: 16 Aug 2019 10:50

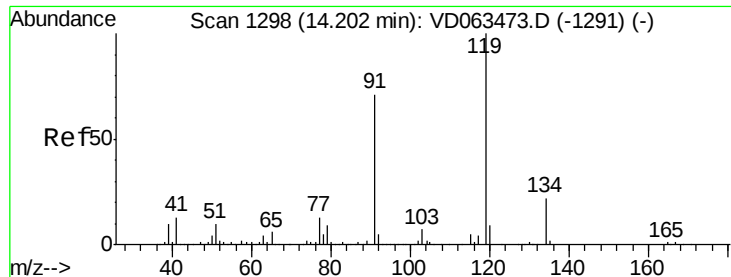
Tgt Ion: 91 Resp: 710492

Ion Ratio Lower Upper

91 100

126 29.9 15.2 45.6

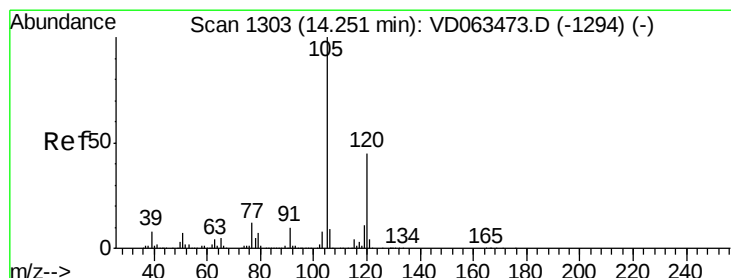
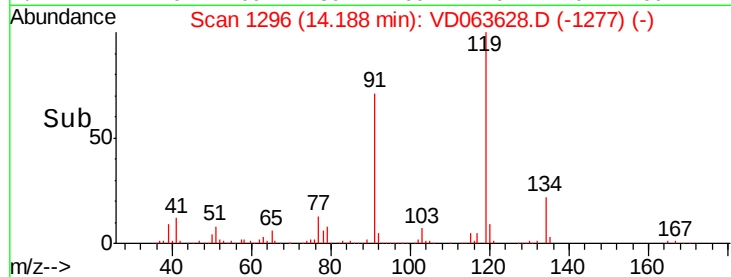
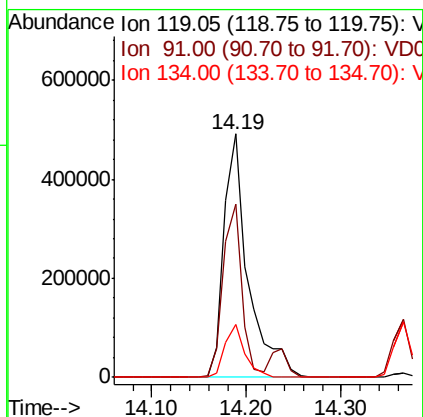
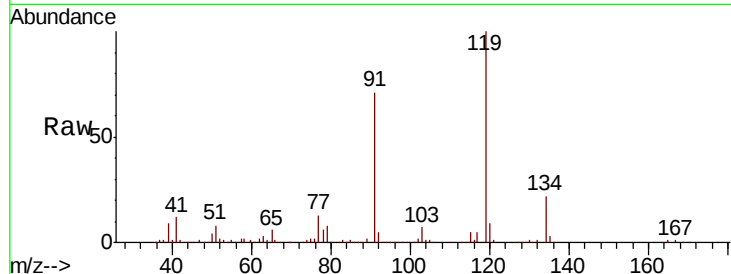




#83
 tert-Butylbenzene
 Concen: 23.668 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD063628.D
 Acq: 16 Aug 2019 10:50

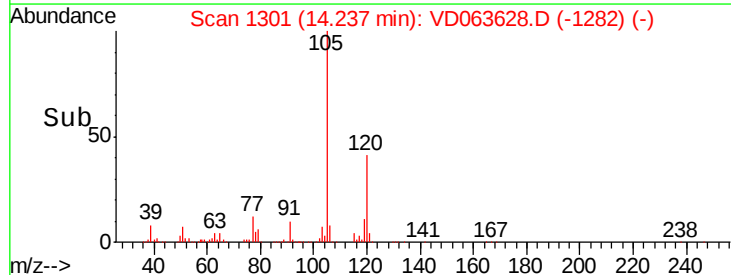
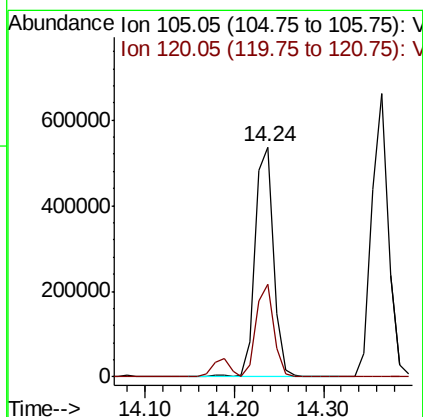
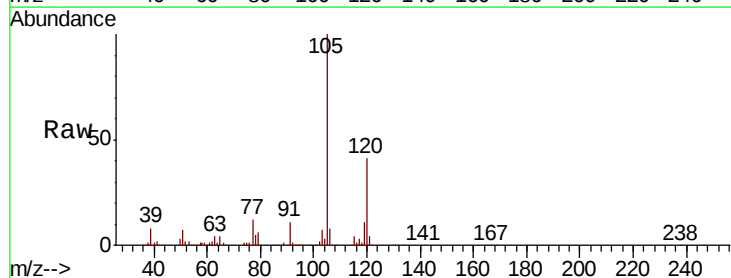
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

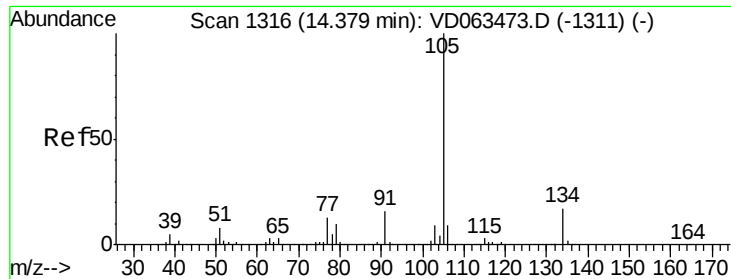
Tgt Ion:119 Resp: 872607
 Ion Ratio Lower Upper
 119 100
 91 71.0 35.5 106.7
 134 21.9 11.1 33.1



#84
 1,2,4-Trimethylbenzene
 Concen: 23.525 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD063628.D
 Acq: 16 Aug 2019 10:50

Tgt Ion:105 Resp: 762101
 Ion Ratio Lower Upper
 105 100
 120 40.5 22.7 68.1

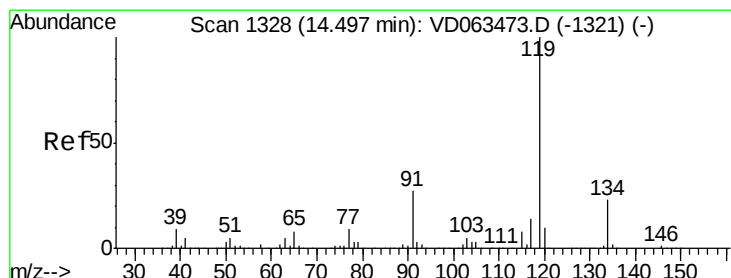
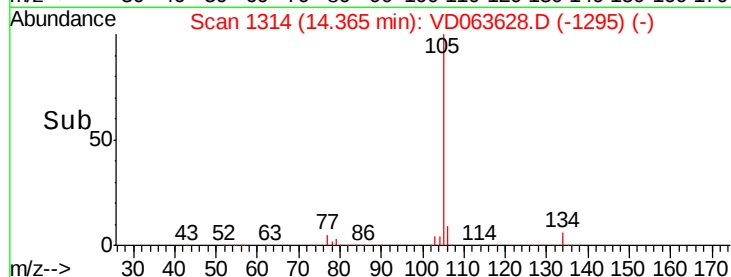
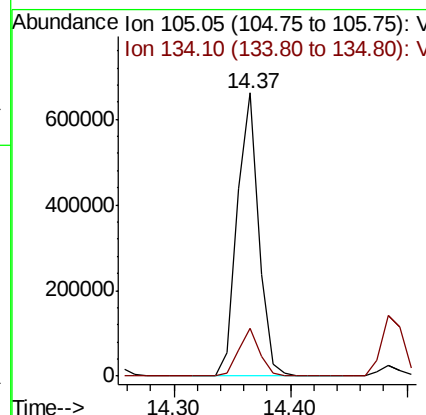
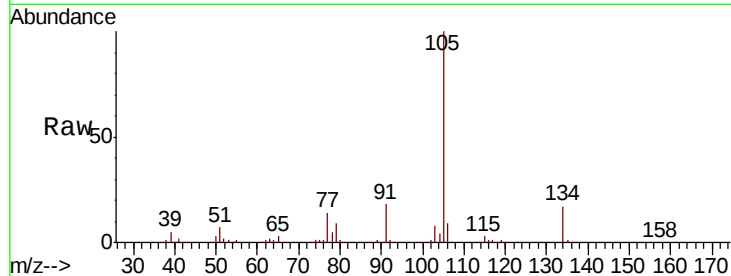




#85
 sec-Butylbenzene
 Concen: 21.669 ug/l
 RT: 14.37 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD063628.D
 Acq: 16 Aug 2019 10:50

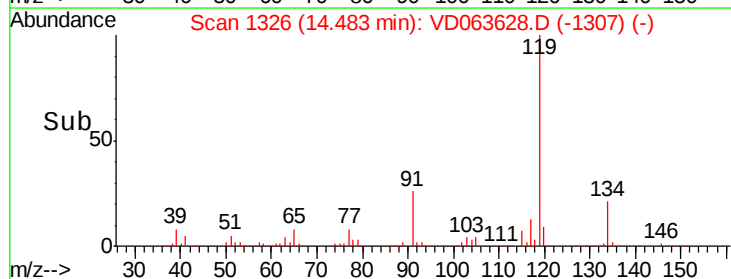
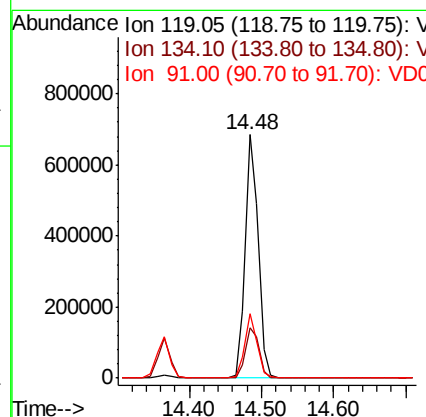
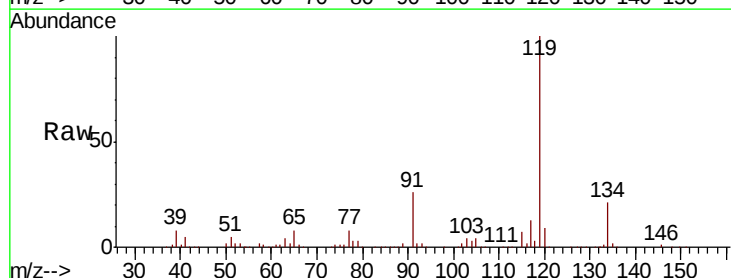
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

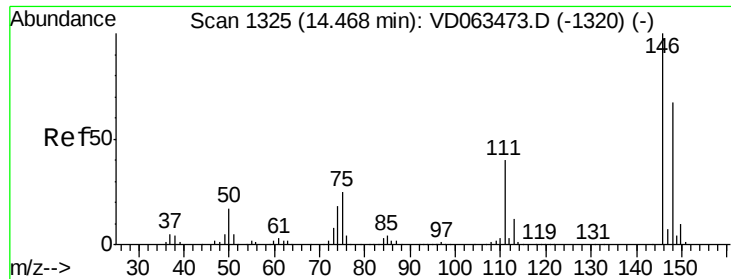
Tgt Ion:105 Resp: 848424
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 23.352 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VD063628.D
 Acq: 16 Aug 2019 10:50

Tgt Ion:119 Resp: 874250
 Ion Ratio Lower Upper
 119 100
 134 20.8 11.3 33.8
 91 26.4 13.5 40.4

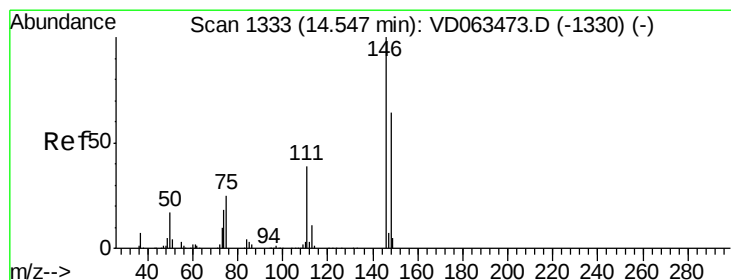
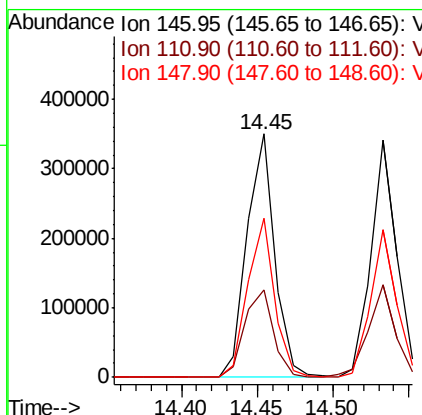
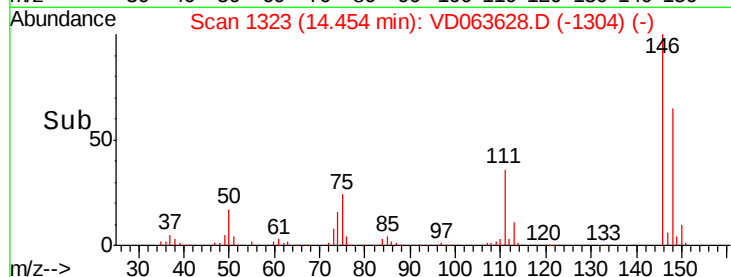
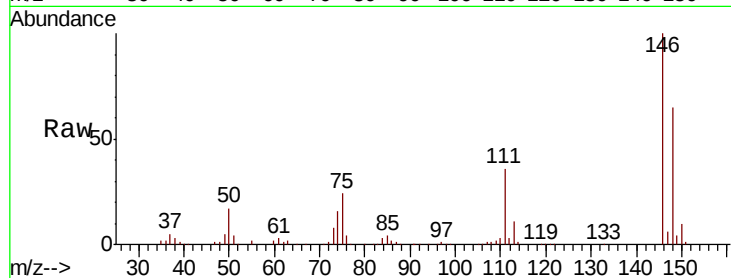




#87
 1,3-Dichlorobenzene
 Concen: 22.592 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063628.D
 Acq: 16 Aug 2019 10:50

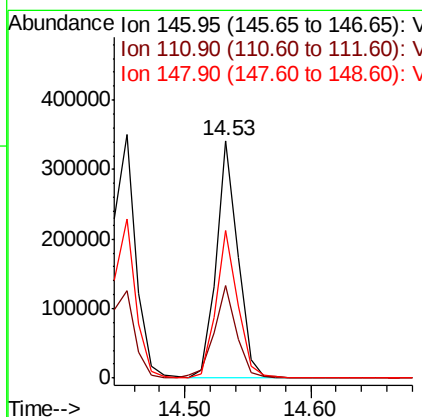
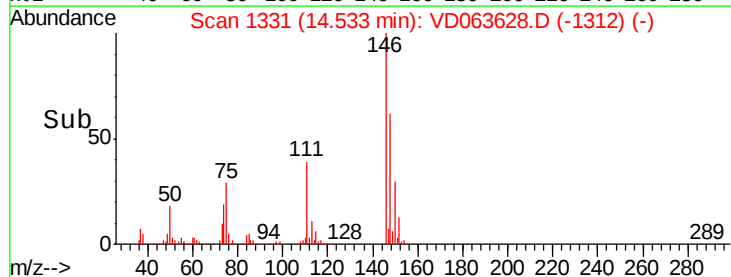
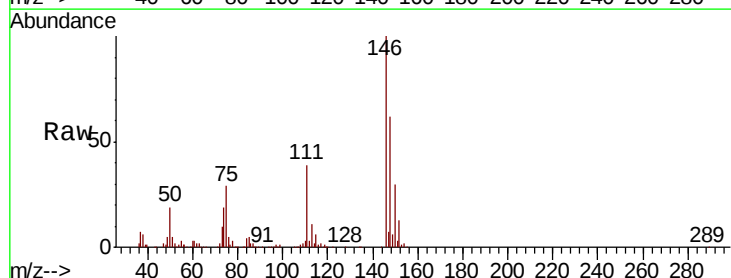
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

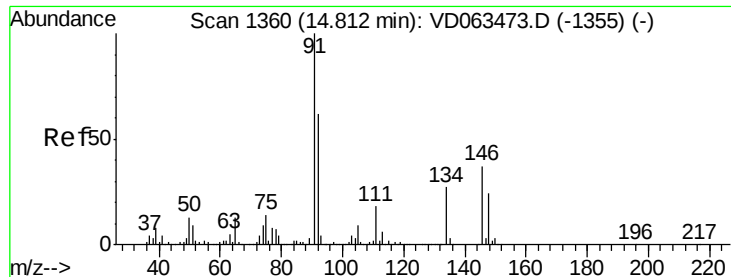
Tgt Ion:146 Resp: 447546
 Ion Ratio Lower Upper
 146 100
 111 36.1 20.0 60.0
 148 65.3 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 21.388 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063628.D
 Acq: 16 Aug 2019 10:50

Tgt Ion:146 Resp: 406489
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.7 59.0
 148 62.4 32.1 96.3





#89

n-Butylbenzene

Concen: 21.776 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD063628.D

Acq: 16 Aug 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBS01

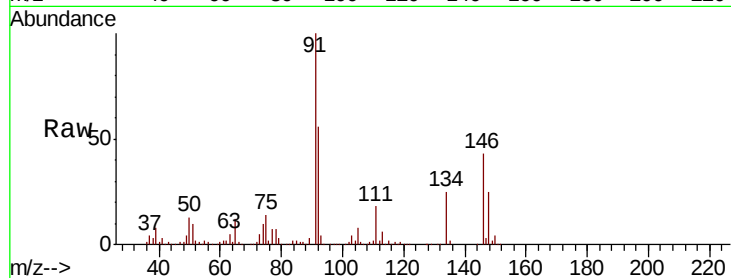
Tgt Ion: 91 Resp: 744056

Ion Ratio Lower Upper

91 100

92 56.2 30.8 92.3

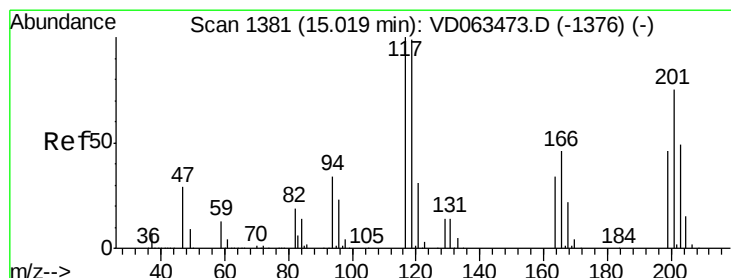
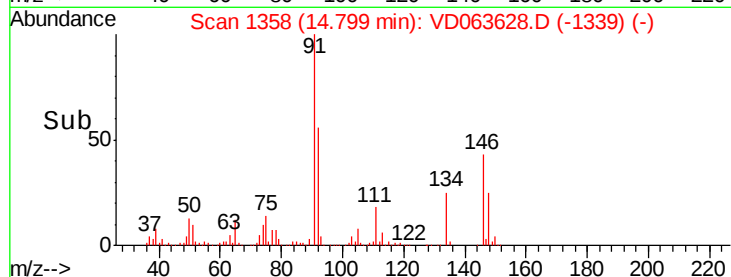
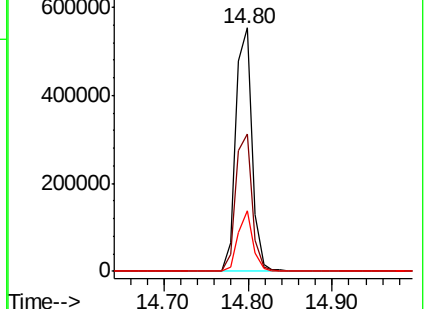
134 24.6 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 22.620 ug/l

RT: 15.01 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD063628.D

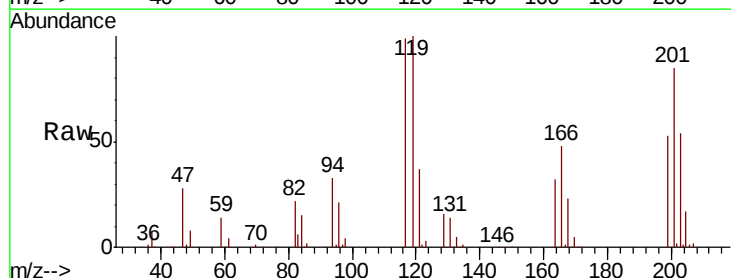
Acq: 16 Aug 2019 10:50

Tgt Ion: 117 Resp: 212849

Ion Ratio Lower Upper

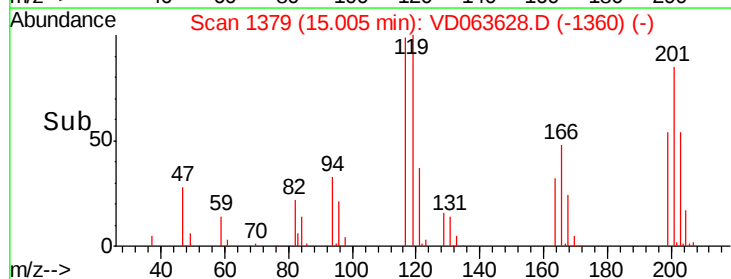
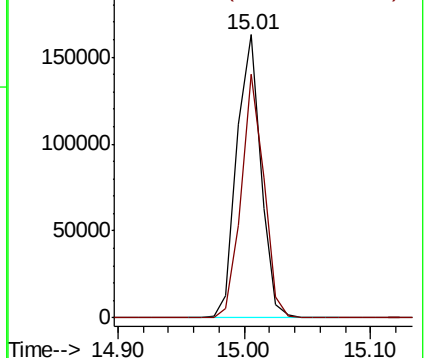
117 100

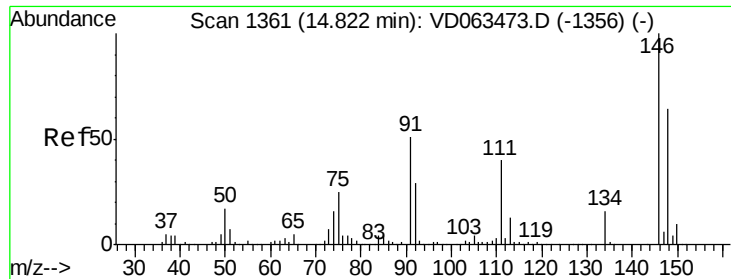
201 85.9 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

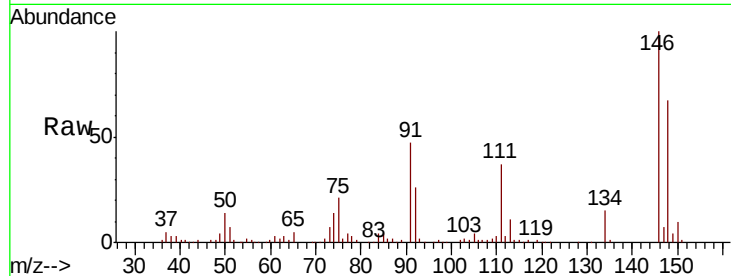




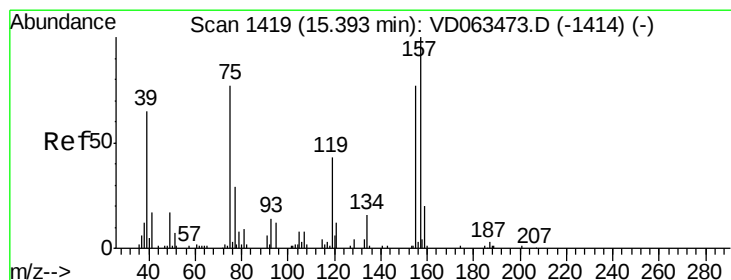
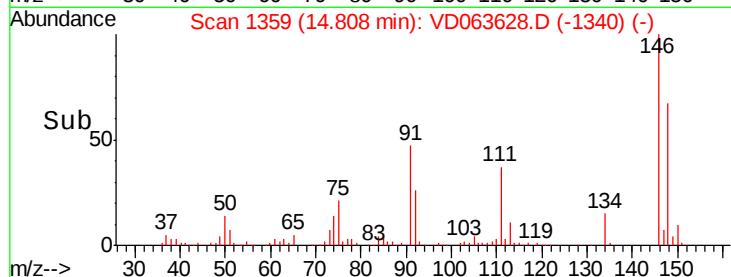
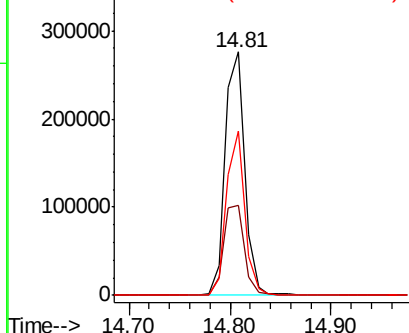
#91
 1,2-Dichlorobenzene
 Concen: 22.300 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD063628.D
 Acq: 16 Aug 2019 10:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

Tgt Ion: 146 Resp: 374795
 Ion Ratio Lower Upper
 146 100
 111 36.9 20.2 60.6
 148 67.5 32.1 96.5

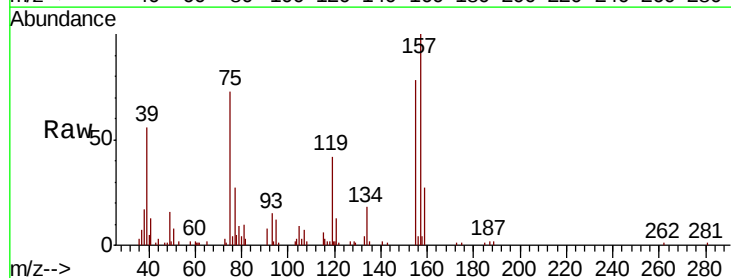


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

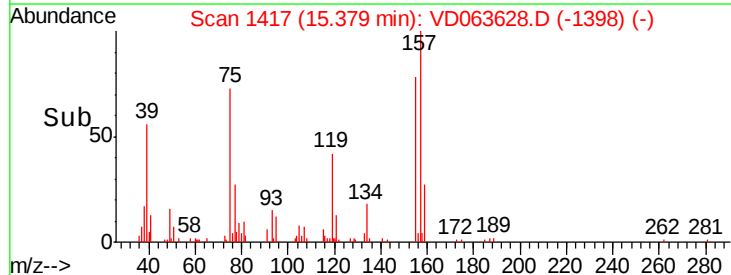
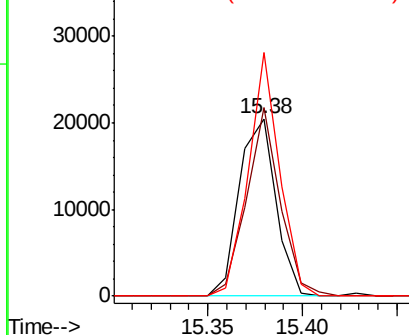


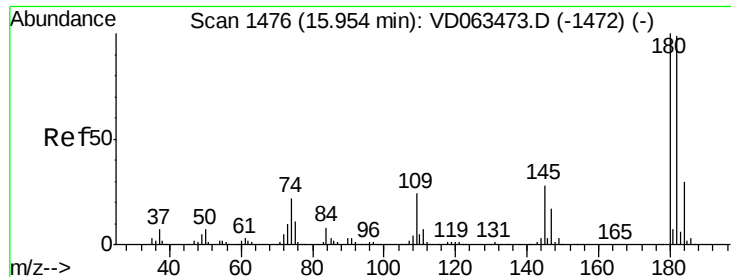
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.879 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD063628.D
 Acq: 16 Aug 2019 10:50

Tgt Ion: 75 Resp: 27401
 Ion Ratio Lower Upper
 75 100
 155 106.5 50.1 150.3
 157 137.4 65.0 195.1



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

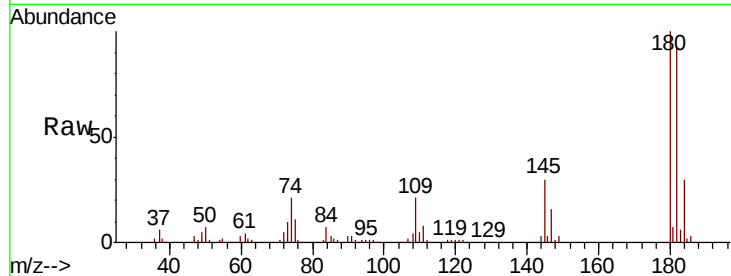




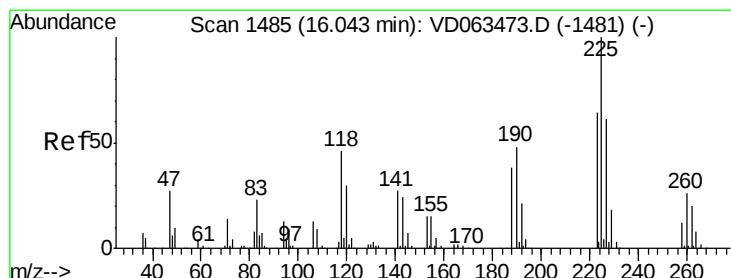
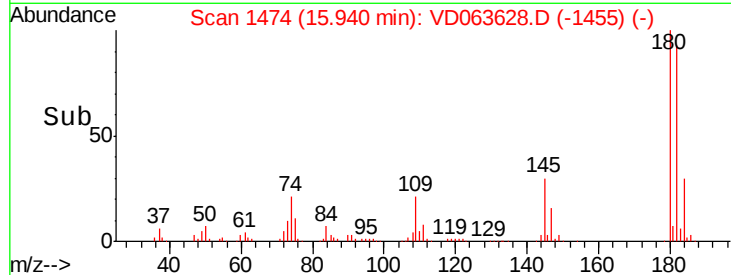
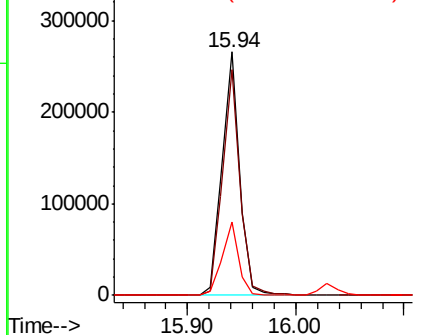
#93
 1,2,4-Trichlorobenzene
 Concen: 24.254 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063628.D
 Acq: 16 Aug 2019 10:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	49.7	149.1
145	30.0	14.1	42.2

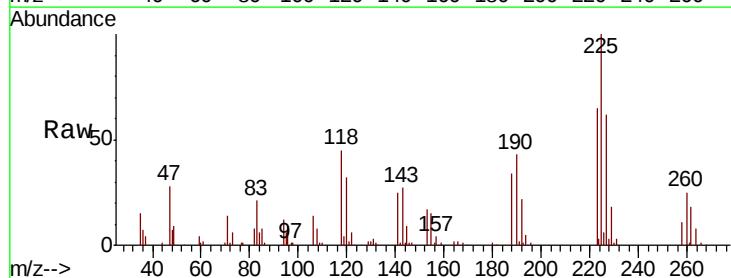


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

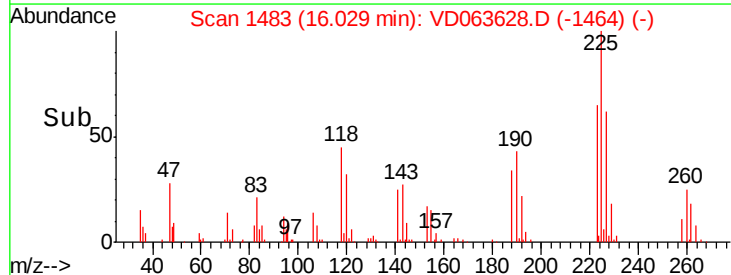
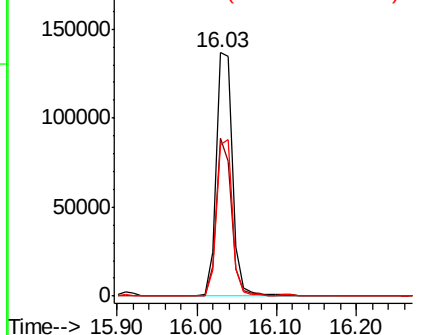


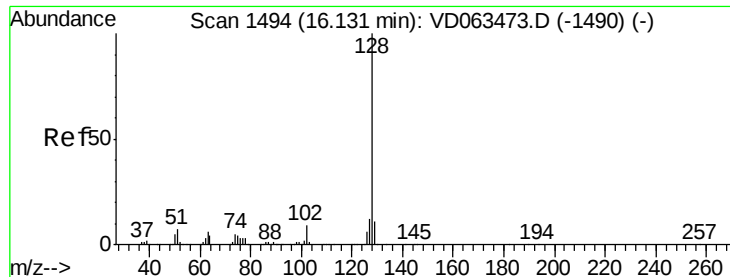
#94
 Hexachlorobutadiene
 Concen: 21.178 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: VD063628.D
 Acq: 16 Aug 2019 10:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.9	95.5
227	62.1	30.7	92.1



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





#95

Naphthalene

Concen: 21.156 ug/l

RT: 16.12 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VD063628.D

Acq: 16 Aug 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

VD0816SBS01

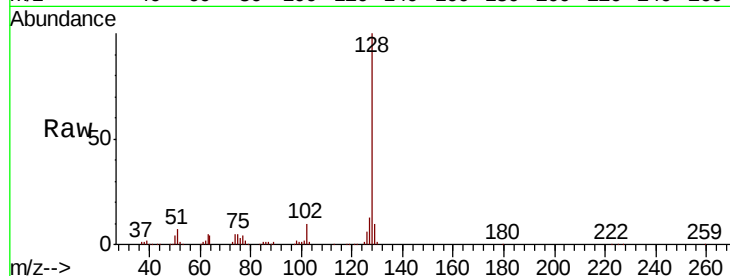
Tgt Ion:128 Resp: 396504

Ion Ratio Lower Upper

128 100

127 13.4 9.4 14.0

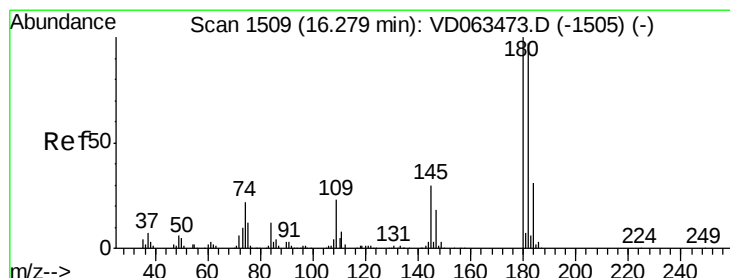
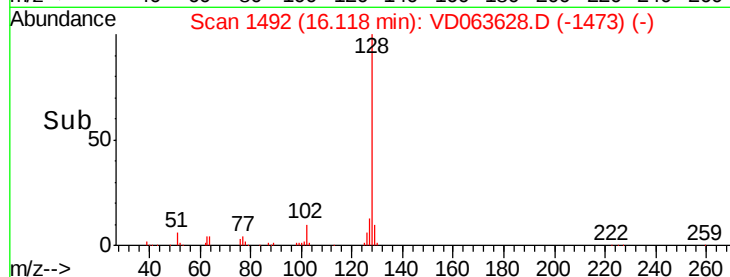
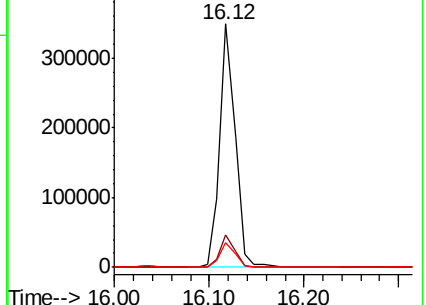
129 10.1 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.147 ug/l

RT: 16.27 min Scan# 1507

Delta R.T. -0.01 min

Lab File: VD063628.D

Acq: 16 Aug 2019 10:50

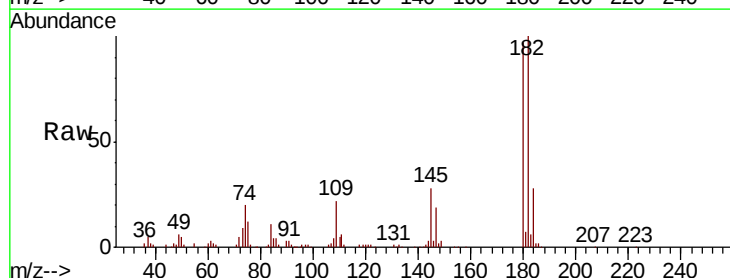
Tgt Ion:180 Resp: 211229

Ion Ratio Lower Upper

180 100

182 102.8 48.4 145.2

145 28.9 14.9 44.9



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

