

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082119\
 Data File : VD063707.D
 Acq On : 21 Aug 2019 12:35
 Operator : JC/SY
 Sample : VD0821SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Quant Time: Aug 22 01:24:17 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	7.04	168	1019017	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1338755	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1229065	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	564771	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	584480	53.66	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	107.32%	
35) Dibromofluoromethane	6.91	113	644411	57.15	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	114.30%	
50) Toluene-d8	10.40	98	1437755	58.00	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	116.00%	
62) 4-Bromofluorobenzene	13.55	95	591824	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	273433	22.179	ug/l	97
3) Chloromethane	1.74	50	218558	22.690	ug/l	91
4) Vinyl Chloride	1.83	62	211997	22.171	ug/l #	88
5) Bromomethane	2.14	94	88501	19.615	ug/l	85
6) Chloroethane	2.24	64	94622	21.639	ug/l	95
7) Trichlorofluoromethane	2.51	101	425210	22.671	ug/l	93
8) Diethyl Ether	2.85	74	59959	22.642	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.13	101	213689	19.295	ug/l	93
10) Methyl Iodide	3.28	142	292711	18.680	ug/l #	98
11) Tert butyl alcohol	4.08	59	57279	120.798	ug/l	98
12) 1,1-Dichloroethene	3.10	96	172650	20.968	ug/l	98
13) Acrolein	3.02	56	32027	68.619	ug/l	85
14) Allyl chloride	3.60	41	269742	21.792	ug/l	97
15) Acrylonitrile	4.18	53	145063	115.499	ug/l	96
16) Acetone	3.21	43	240905	108.798	ug/l	98
17) Carbon Disulfide	3.36	76	544560	20.955	ug/l	98
18) Methyl Acetate	3.63	43	95419	22.751	ug/l #	90
19) Methyl tert-butyl Ether	4.22	73	385530	23.412	ug/l	96
20) Methylene Chloride	3.80	84	203250	21.228	ug/l	98
21) trans-1,2-Dichloroethene	4.19	96	202358	23.354	ug/l	92
22) Diisopropyl ether	5.11	45	564409	22.097	ug/l	96
23) Vinyl Acetate	5.04	43	1696984	114.280	ug/l	98
24) 1,1-Dichloroethane	4.96	63	349603	22.068	ug/l	99
25) 2-Butanone	6.06	43	249607	114.140	ug/l #	89
26) 2,2-Dichloropropane	6.00	77	351632	22.284	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	205926	21.722	ug/l	91
28) Bromochloromethane	6.43	49	136606	21.276	ug/l	88
29) Tetrahydrofuran	6.45	42	116124	113.957	ug/l	98
30) Chloroform	6.65	83	444597	22.578	ug/l	96
31) Cyclohexane	6.94	56	208062	21.155	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	410906	21.814	ug/l	96
36) 1,1-Dichloropropene	7.13	75	288221	24.354	ug/l	95
37) Ethyl Acetate	6.17	43	118742	23.944	ug/l #	96
38) Carbon Tetrachloride	7.10	117	439060	24.616	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	214979	21.362	ug/l	90
40) Benzene	7.44	78	615204	23.621	ug/l	94
41) Methacrylonitrile	6.44	41	161767	25.907	ug/l	95
42) 1,2-Dichloroethane	7.57	62	305867	23.356	ug/l	99
43) Isopropyl Acetate	9.23	43	155737	23.448	ug/l #	98
44) Trichloroethene	8.53	130	241826	24.293	ug/l	84
45) 1,2-Dichloropropane	8.94	63	140139	23.106	ug/l #	89
46) Dibromomethane	9.06	93	127449	24.606	ug/l	96
47) Bromodichloromethane	9.37	83	315650	23.758	ug/l	96
48) Methyl methacrylate	9.11	41	108259	24.034	ug/l	94
49) 1,4-Dioxane	9.08	88	21236	539.626	ug/l #	93
51) 4-Methyl-2-Pentanone	10.30	43	541980	119.250	ug/l	99
52) Toluene	10.50	92	390268	23.265	ug/l	94
53) t-1,3-Dichloropropene	10.91	75	267402	24.662	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	274618	22.462	ug/l	92
55) 1,1,2-Trichloroethane	11.19	97	132744	23.426	ug/l	94
56) Ethyl methacrylate	11.04	69	142003	23.088	ug/l	92
57) 1,3-Dichloropropane	11.41	76	204058	23.823	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	356900	109.916	ug/l	95
59) 2-Hexanone	11.53	43	376406	113.821	ug/l	99
60) Dibromochloromethane	11.68	129	260306	25.245	ug/l	99
61) 1,2-Dibromoethane	11.80	107	159932	23.314	ug/l	98
64) Tetrachloroethene	11.25	164	209682	22.100	ug/l	97
65) Chlorobenzene	12.39	112	525439	22.810	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	219978	21.699	ug/l	95
67) Ethyl Benzene	12.52	91	869384	21.706	ug/l	99
68) m/p-Xylenes	12.67	106	591655	42.045	ug/l	98
69) o-Xylene	13.05	106	302827	22.359	ug/l	90
70) Styrene	13.07	104	486851	20.208	ug/l	99
71) Bromoform	13.23	173	153341	22.059	ug/l #	90
73) Isopropylbenzene	13.41	105	890950	24.802	ug/l	100
74) N-amyl acetate	13.27	43	212715	23.589	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	150303	25.208	ug/l	94
76) 1,2,3-Trichloropropane	13.73	75	174013	26.847	ug/l	100
77) Bromobenzene	13.67	156	251805	25.648	ug/l	87
78) n-propylbenzene	13.77	91	983023	23.388	ug/l	95
79) 2-Chlorotoluene	13.84	91	577677	23.837	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	767005	24.437	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	38410	22.048	ug/l	97
82) 4-Chlorotoluene	13.95	91	726800	24.941	ug/l	99
83) tert-Butylbenzene	14.18	119	866709	26.223	ug/l	92
84) 1,2,4-Trimethylbenzene	14.23	105	776597	26.741	ug/l	92
85) sec-Butylbenzene	14.37	105	870885	24.812	ug/l	97
86) p-Isopropyltoluene	14.49	119	838852	24.995	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	404839	22.797	ug/l	94
88) 1,4-Dichlorobenzene	14.54	146	427502	25.091	ug/l	94
89) n-Butylbenzene	14.80	91	761725	24.868	ug/l	96
90) Hexachloroethane	15.00	117	206456	24.475	ug/l	81
91) 1,2-Dichlorobenzene	14.80	146	378144	25.098	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	23929	21.314	ug/l	84

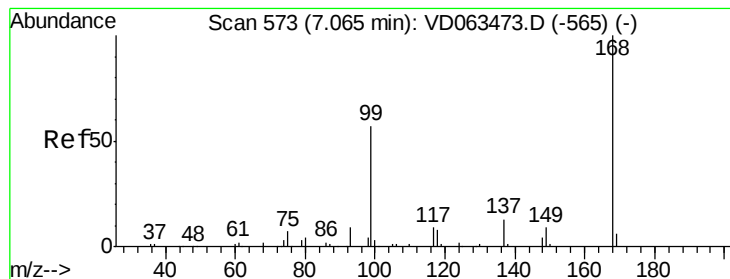
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	296135	26.711	µg/l	94
94) Hexachlorobutadiene	16.04	225	193816	22.938	µg/l	94
95) Naphthalene	16.12	128	385507	22.945	µg/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	240667	26.877	µg/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

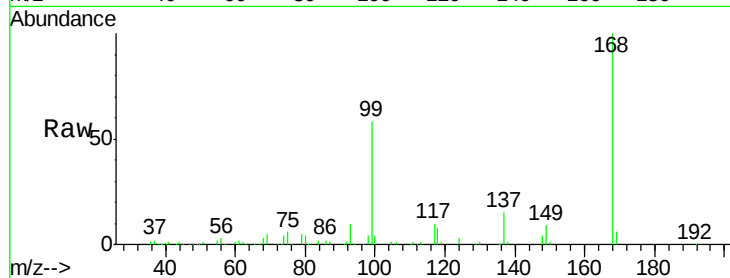
VD0821SBS01

Tot Ion:168 Resp: 1019017

Ion Ratio Lower Upper

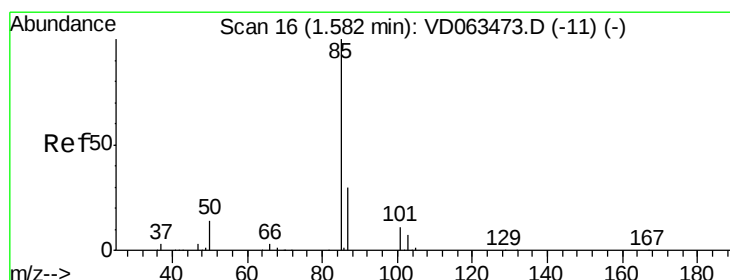
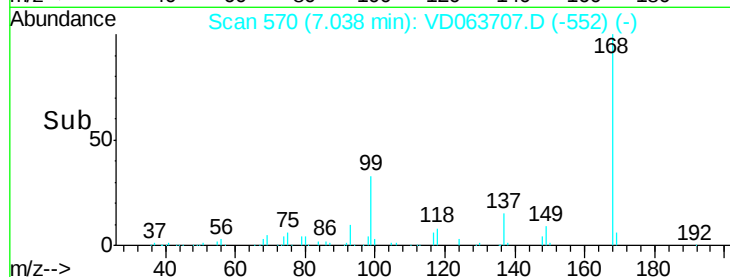
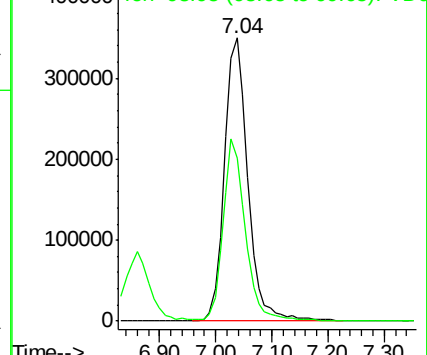
168 100

99 57.6 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: 22.179 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.02 min

Lab File: VD063707.D

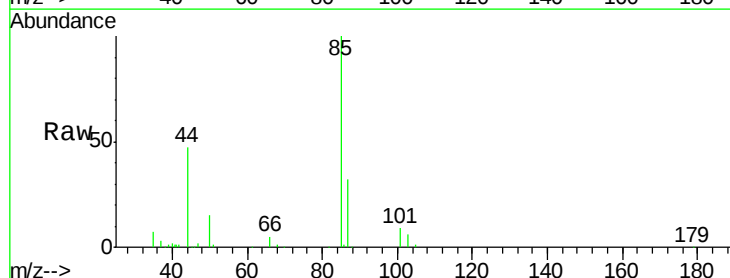
Acq: 21 Aug 2019 12:35

Tgt Ion: 85 Resp: 273433

Ion Ratio Lower Upper

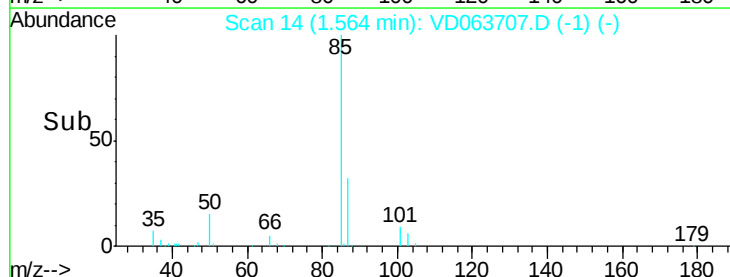
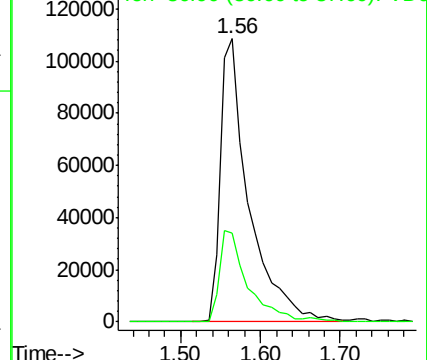
85 100

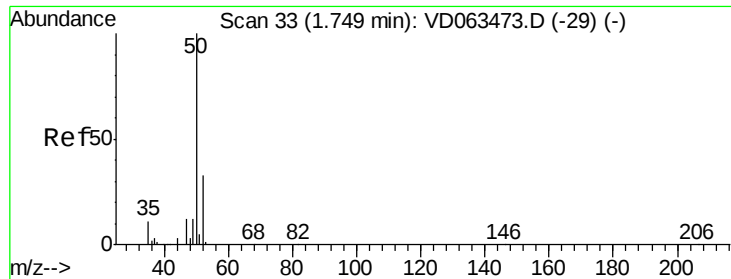
87 31.5 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.690 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

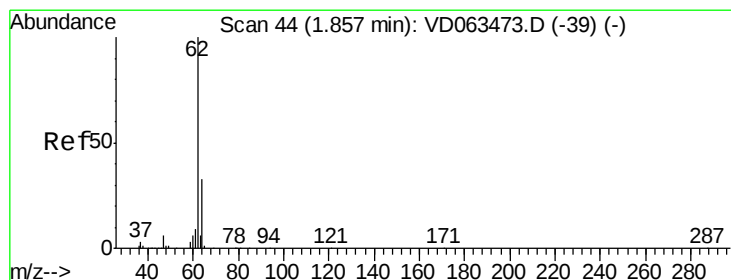
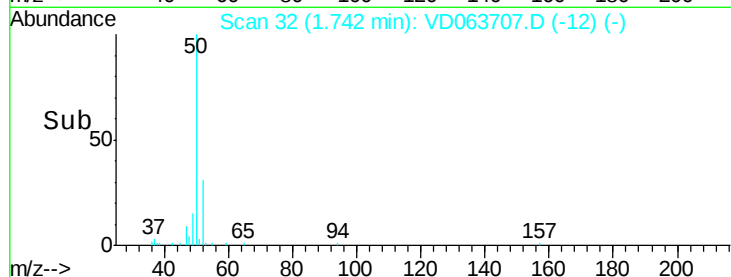
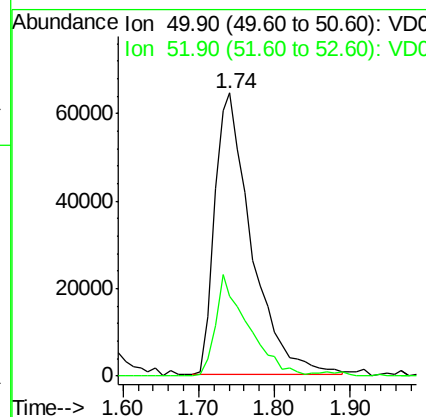
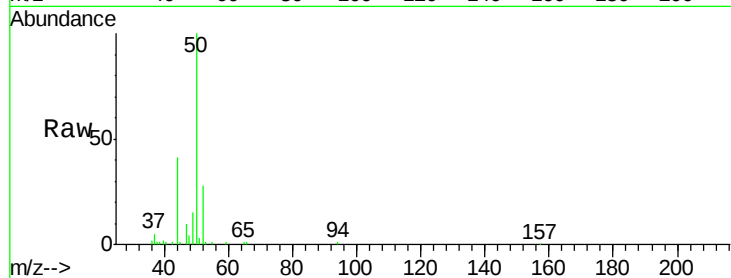
VD0821SBS01

Tot Ion: 50 Resp: 218558

Ion Ratio Lower Upper

50 100

52 28.4 26.6 40.0



#4

Vinyl Chloride

Concen: 22.171 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.03 min

Lab File: VD063707.D

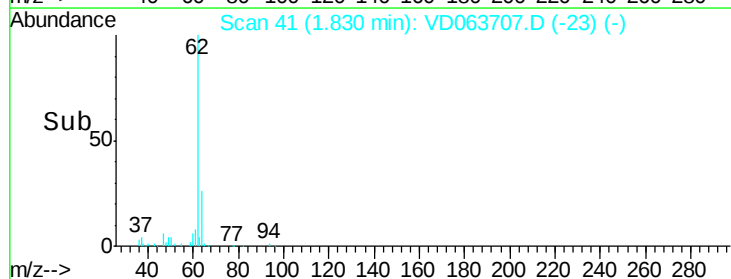
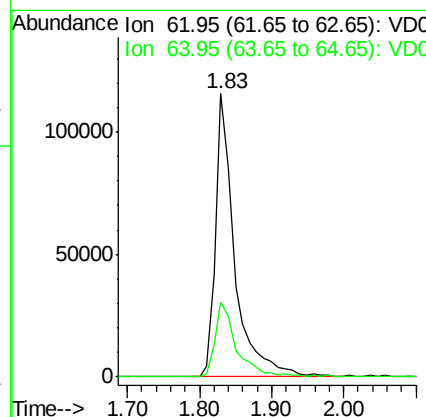
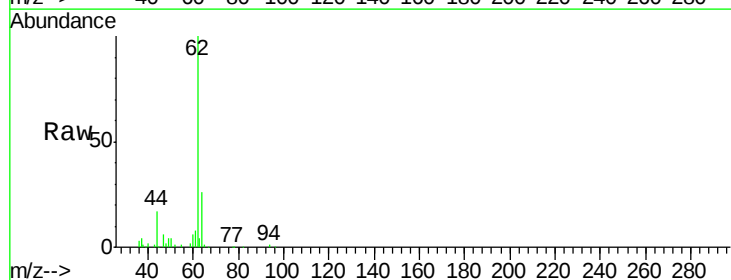
Acq: 21 Aug 2019 12:35

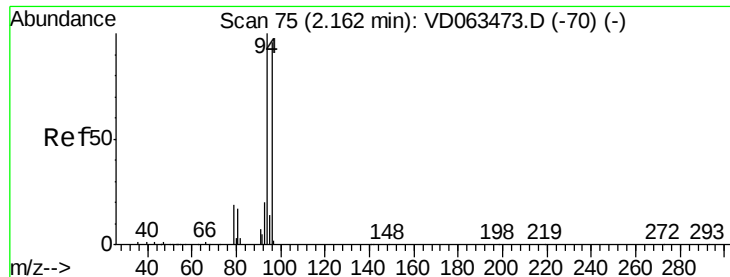
Tgt Ion: 62 Resp: 211997

Ion Ratio Lower Upper

62 100

64 26.3 26.4 39.6#





#5

Bromomethane

Concen: 19.615 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.03 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

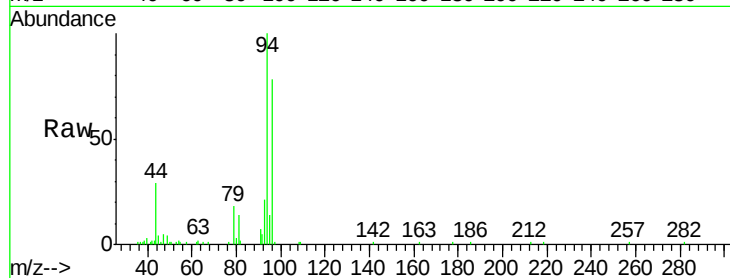
Tot Ion: 94 Resp: 88501

Ion Ratio Lower Upper

94 100

96 78.4 76.5 114.7

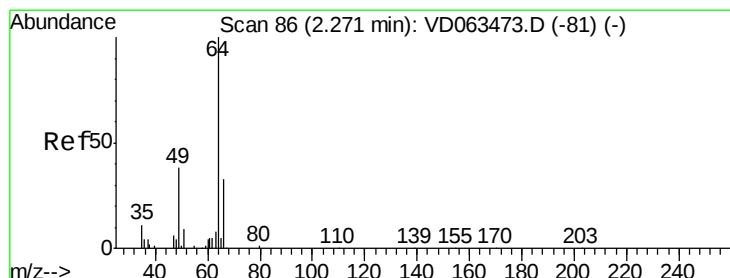
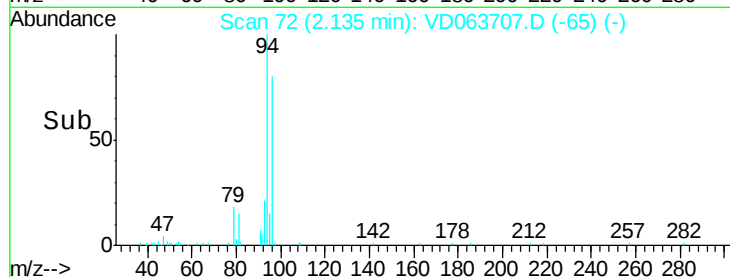
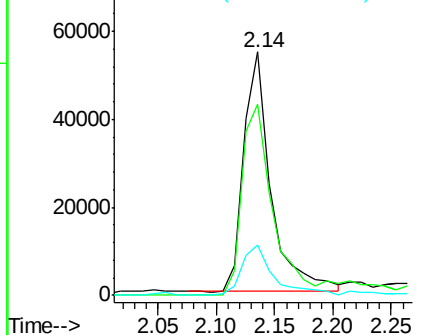
93 20.7 15.8 23.8



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 21.639 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.03 min

Lab File: VD063707.D

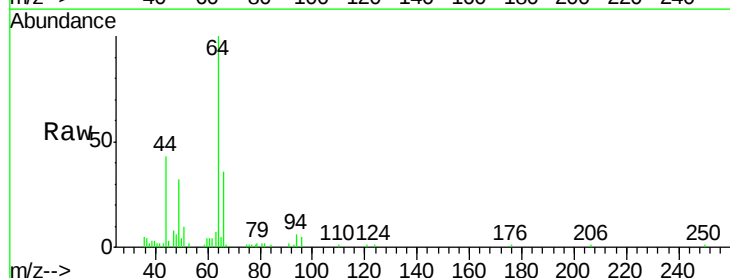
Acq: 21 Aug 2019 12:35

Tgt Ion: 64 Resp: 94622

Ion Ratio Lower Upper

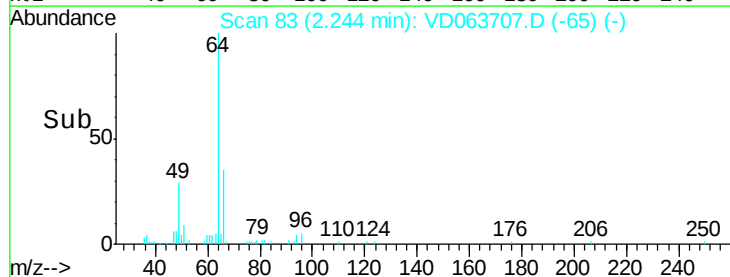
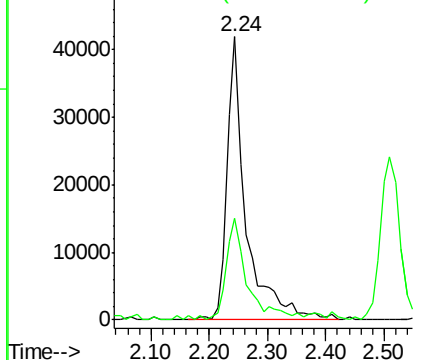
64 100

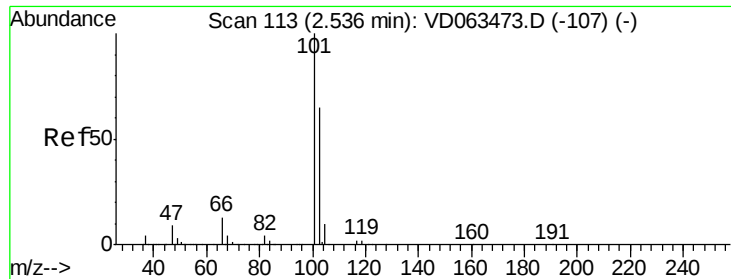
66 35.9 26.3 39.5



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



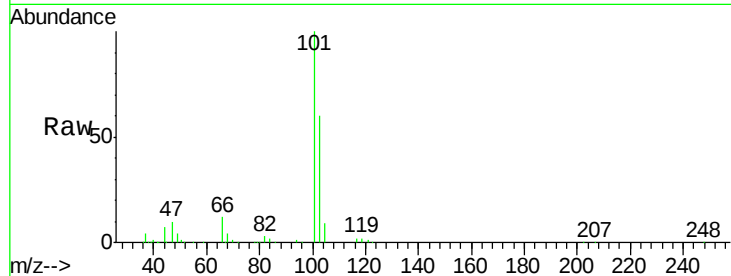


#7

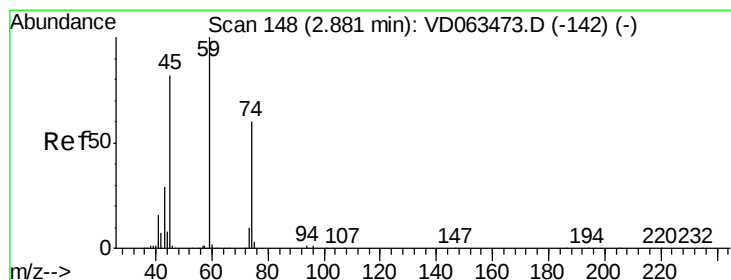
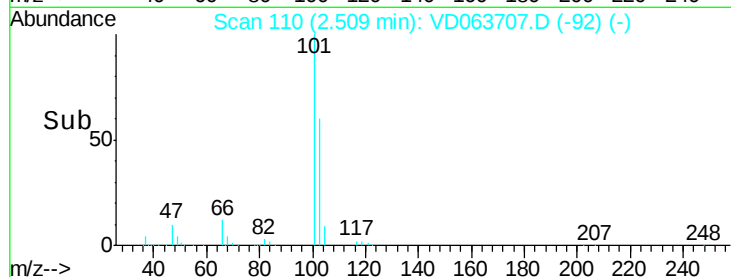
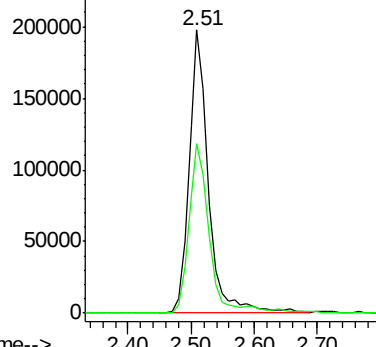
Trichlorofluoromethane
 Concen: 22.671 ug/l
 RT: 2.51 min Scan# 110
 Delta R.T. -0.03 min
 Lab File: VD063707.D
 Acq: 21 Aug 2019 12:35

Instrument :
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 VD0821SBS01

Tot Ion:101 Resp: 425210
 Ion Ratio Lower Upper
 101 100
 103 60.1 52.2 78.4



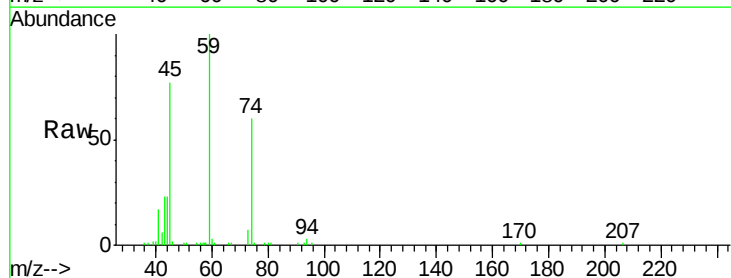
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



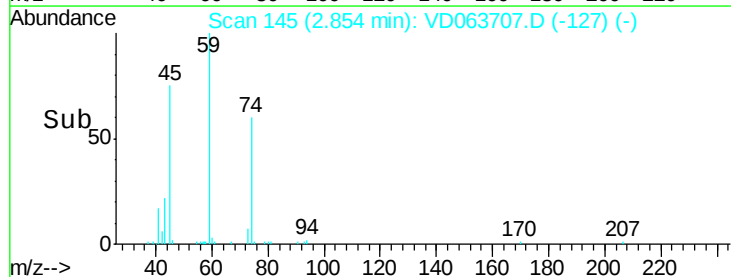
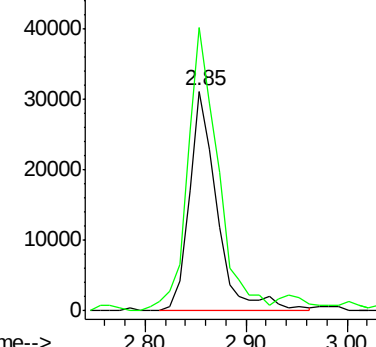
#8

Diethyl Ether
 Concen: 22.642 ug/l
 RT: 2.85 min Scan# 145
 Delta R.T. -0.03 min
 Lab File: VD063707.D
 Acq: 21 Aug 2019 12:35

Tgt Ion: 74 Resp: 59959
 Ion Ratio Lower Upper
 74 100
 45 128.7 68.5 205.5



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.295 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.03 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

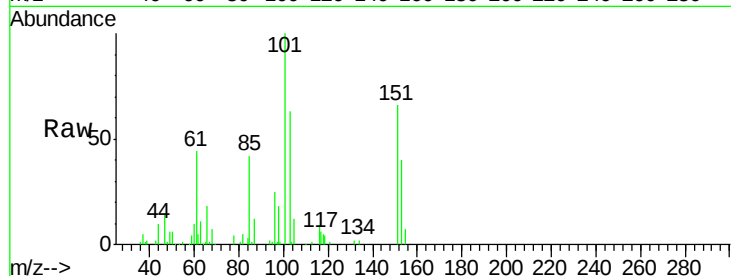
Tot Ion:101 Resp: 213689

Ion Ratio Lower Upper

101 100

85 41.7 35.8 53.6

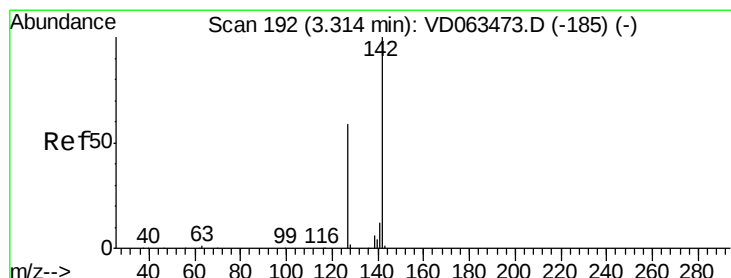
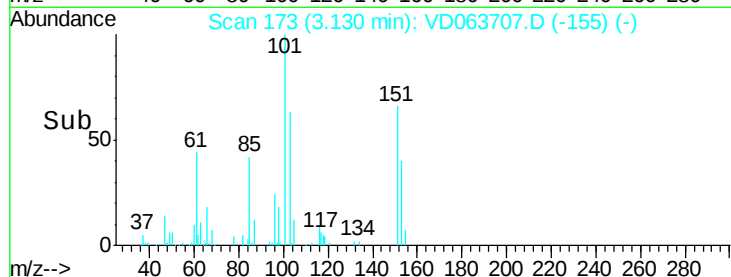
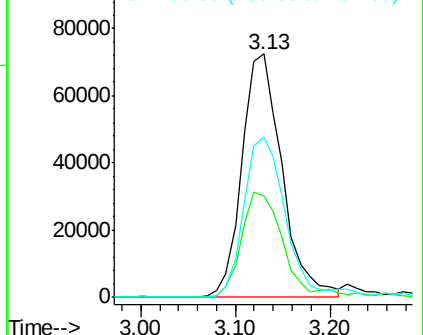
151 66.0 58.6 88.0



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: 18.680 ug/l

RT: 3.28 min Scan# 188

Delta R.T. -0.04 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

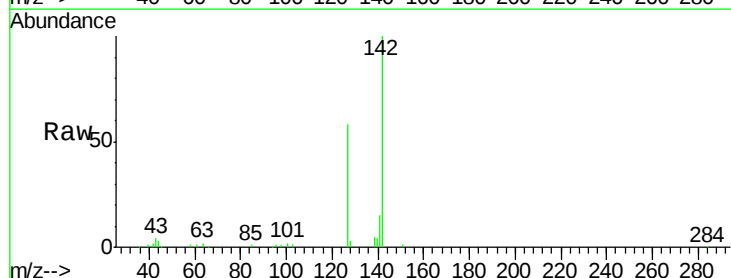
Tgt Ion:142 Resp: 292711

Ion Ratio Lower Upper

142 100

127 57.8 47.2 70.8

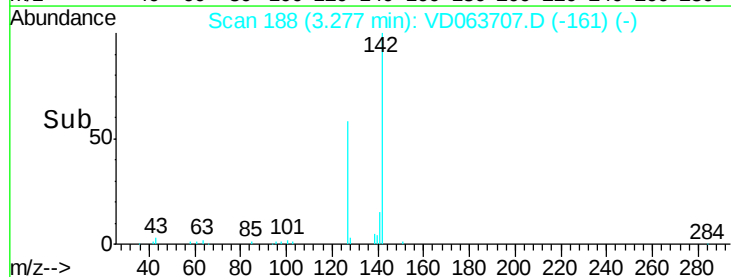
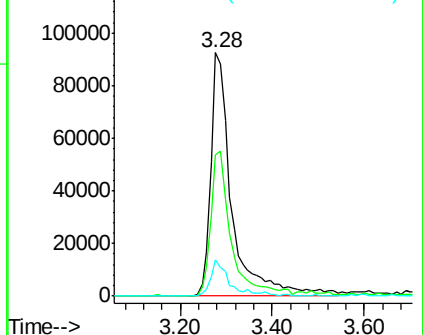
141 14.8 9.8 14.8#

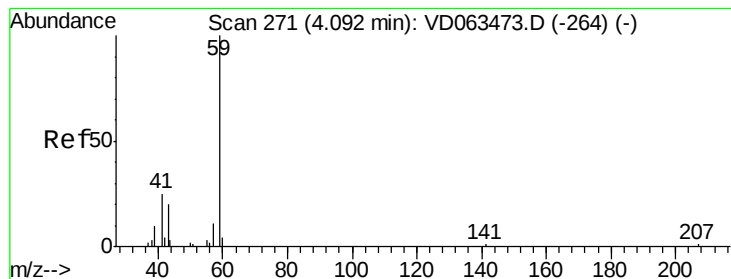


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



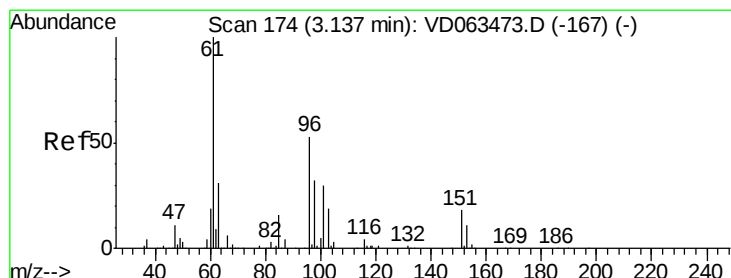
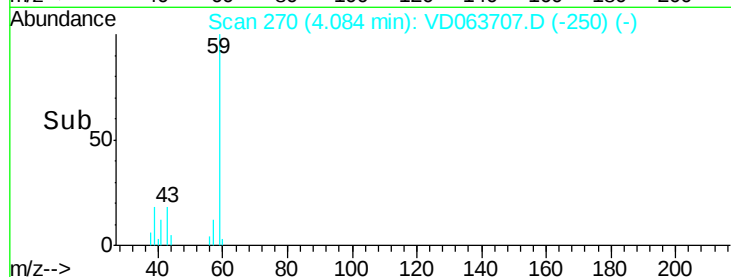
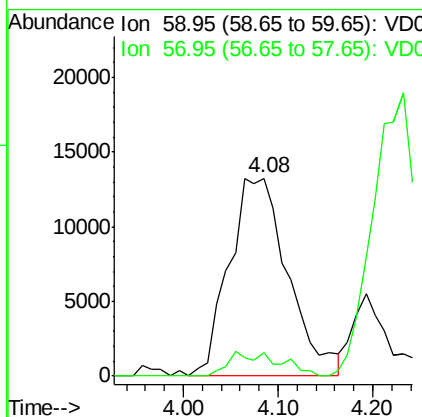
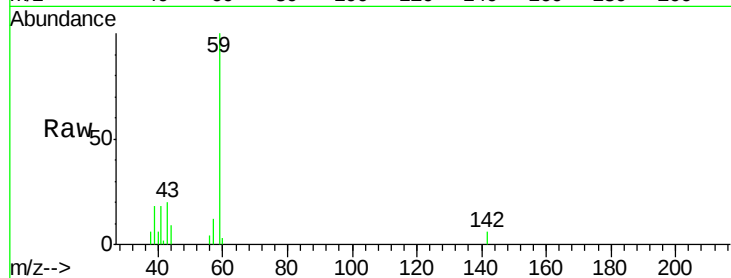


#11

Tert butyl alcohol
Concen: 120.798 ug/l
RT: 4.08 min Scan# 270
Delta R.T. -0.01 min
Lab File: VD063707.D
Acq: 21 Aug 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

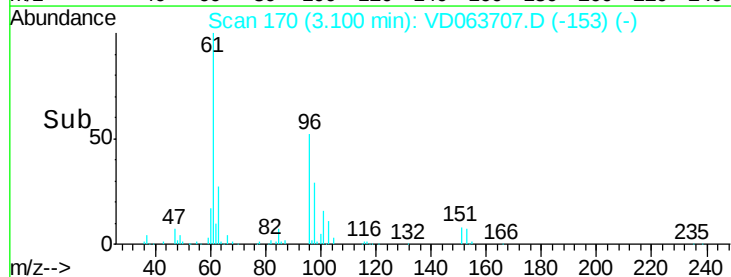
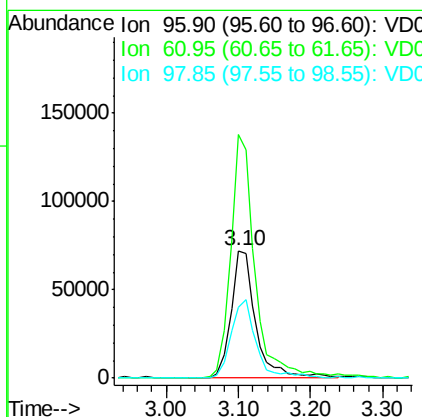
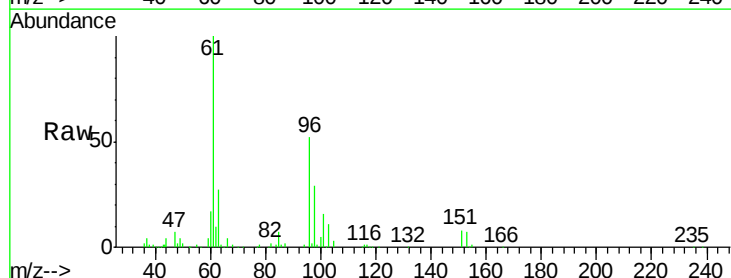
Tot Ion: 59 Resp: 57279
Ion Ratio Lower Upper
59 100
57 11.8 8.7 13.1

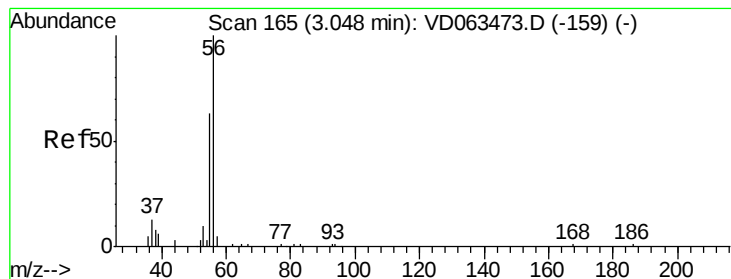


#12

1,1-Dichloroethene
Concen: 20.968 ug/l
RT: 3.10 min Scan# 170
Delta R.T. -0.04 min
Lab File: VD063707.D
Acq: 21 Aug 2019 12:35

Tgt Ion: 96 Resp: 172650
Ion Ratio Lower Upper
96 100
61 190.8 151.7 227.5
98 55.0 48.4 72.6





#13

Acrolein

Concen: 68.619 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.03 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

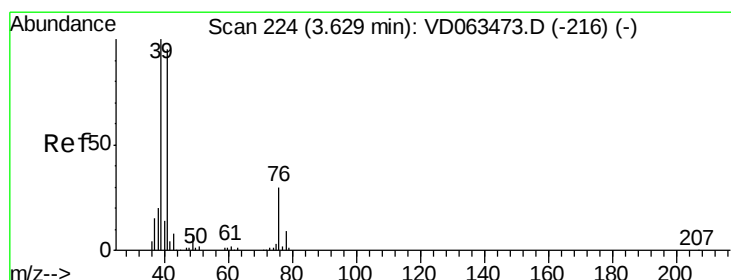
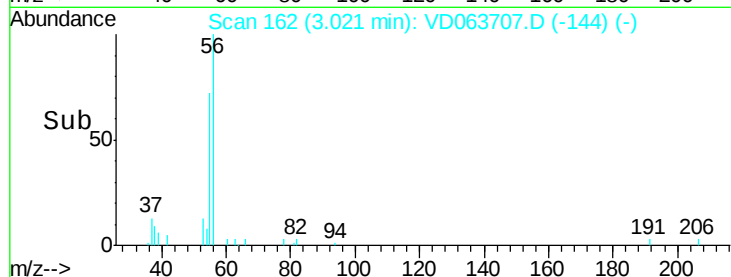
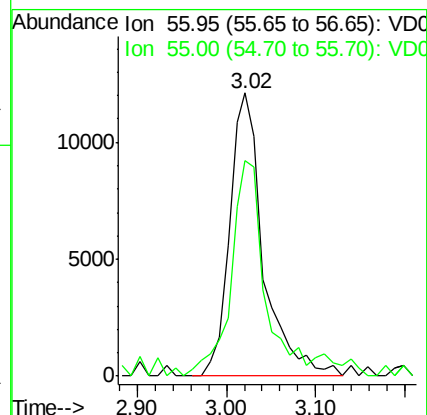
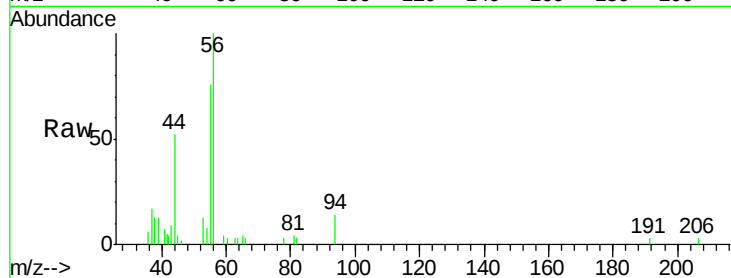
VD0821SBS01

Tot Ion: 56 Resp: 32027

Ion Ratio Lower Upper

56 100

55 76.1 51.3 76.9



#14

Allyl chloride

Concen: 21.792 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.03 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

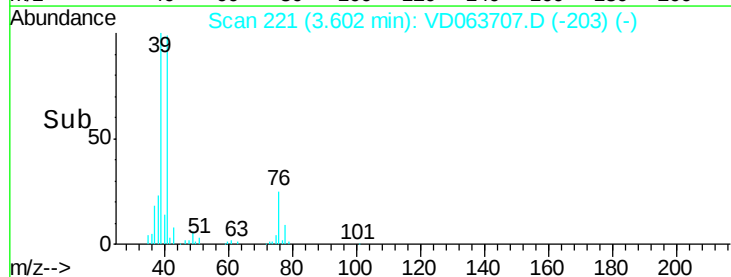
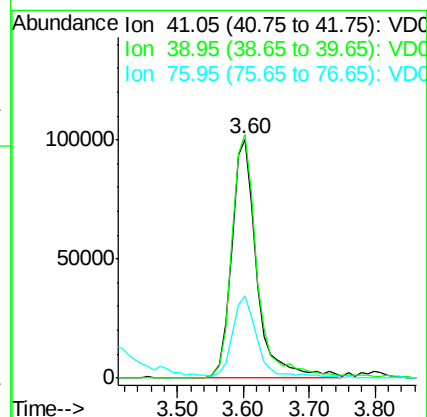
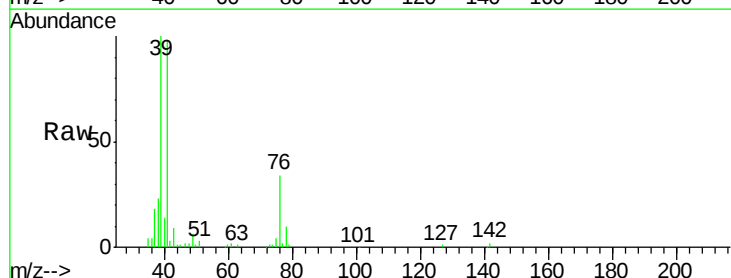
Tgt Ion: 41 Resp: 269742

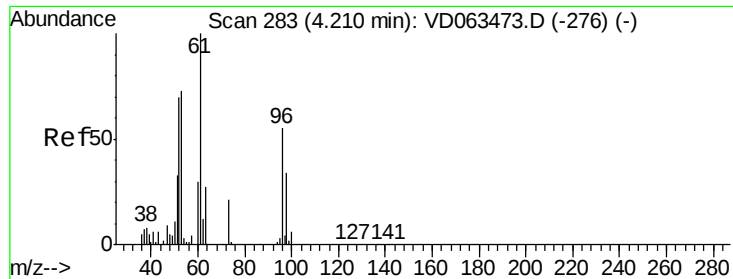
Ion Ratio Lower Upper

41 100

39 101.8 84.2 126.4

76 34.6 26.0 39.0





#15

Acrylonitrile

Concen: 115.499 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.03 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

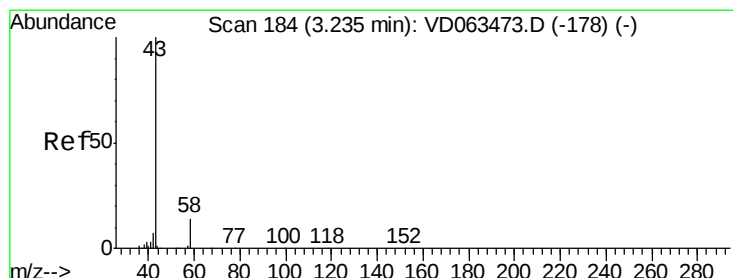
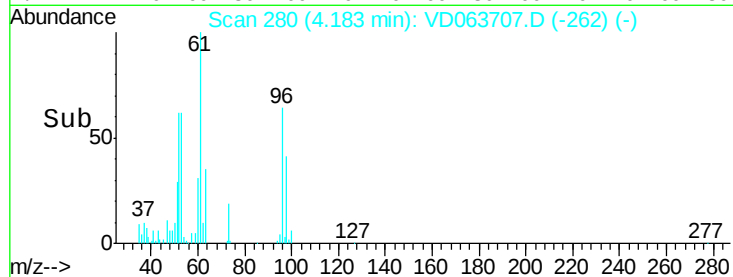
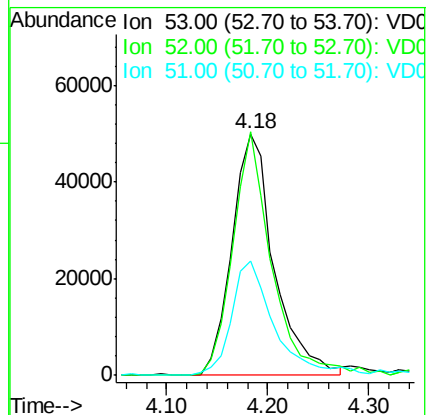
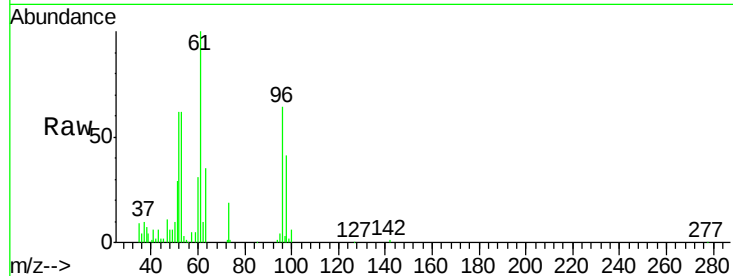
Tot Ion: 53 Resp: 145063

Ion Ratio Lower Upper

53 100

52 100.9 77.4 116.0

51 47.2 36.7 55.1



#16

Acetone

Concen: 108.798 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD063707.D

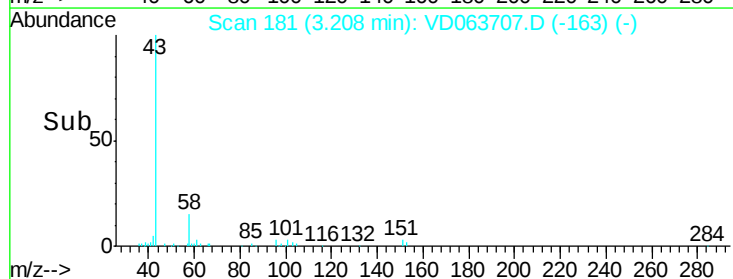
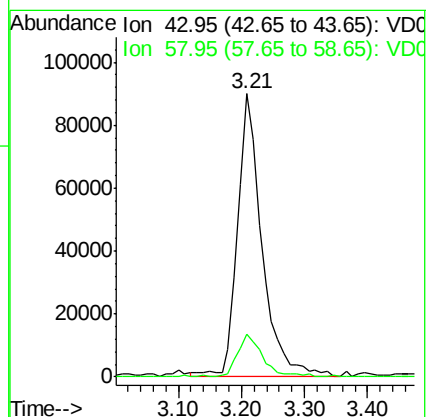
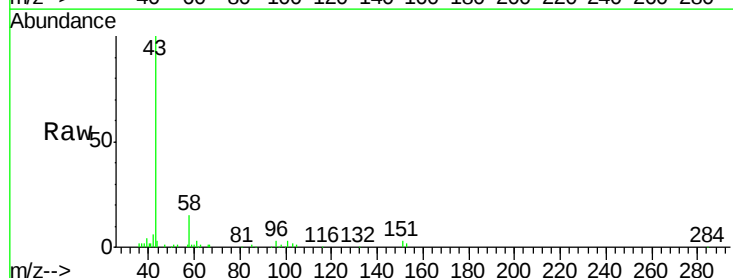
Acq: 21 Aug 2019 12:35

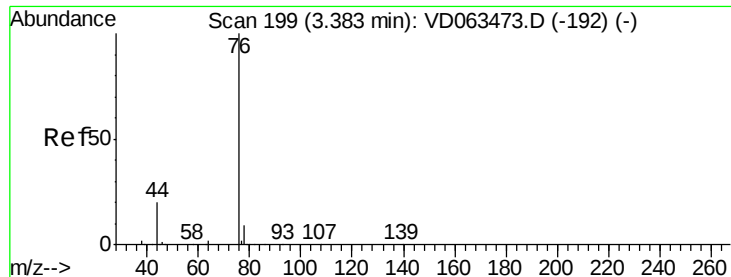
Tgt Ion: 43 Resp: 240905

Ion Ratio Lower Upper

43 100

58 15.2 11.4 17.2





#17

Carbon Disulfide

Concen: 20.955 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.03 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

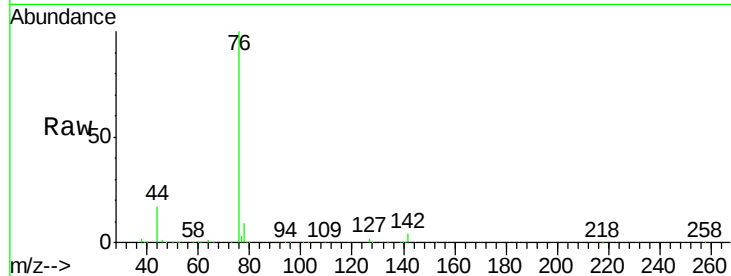
VD0821SBS01

Tot Ion: 76 Resp: 544560

Ion Ratio Lower Upper

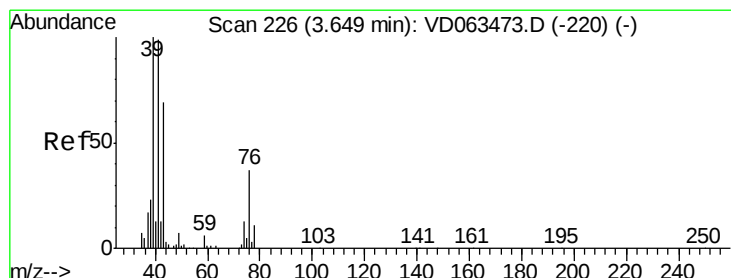
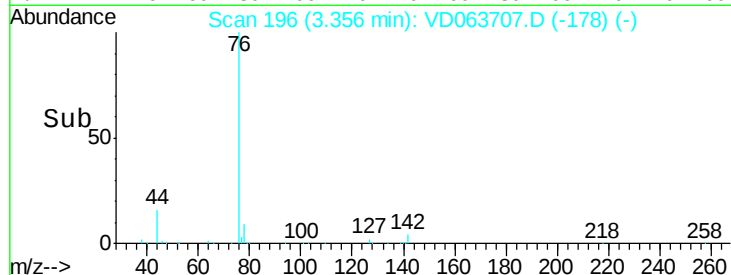
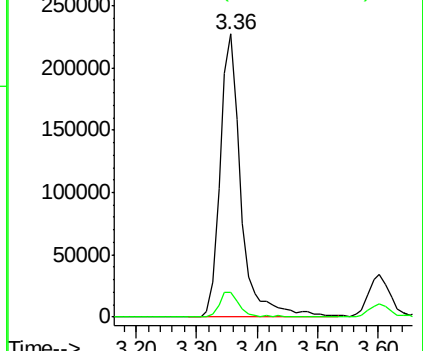
76 100

78 8.6 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 22.751 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.02 min

Lab File: VD063707.D

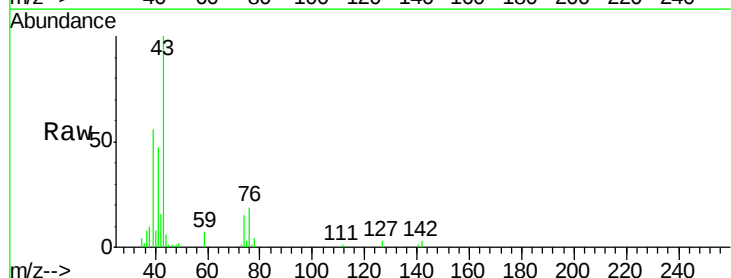
Acq: 21 Aug 2019 12:35

Tgt Ion: 43 Resp: 95419

Ion Ratio Lower Upper

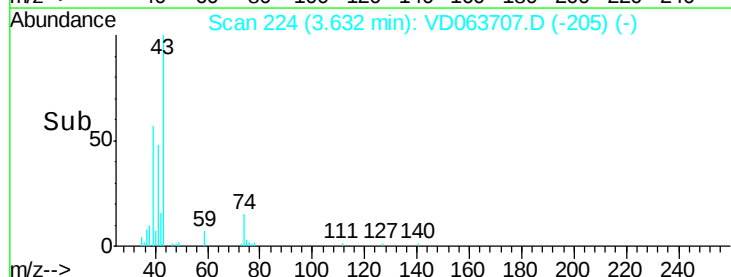
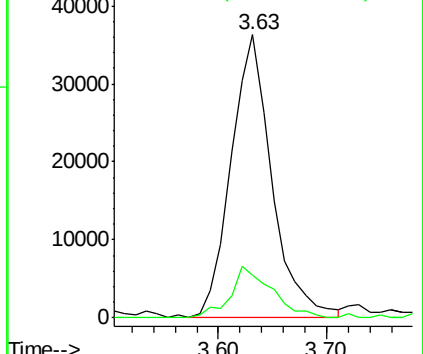
43 100

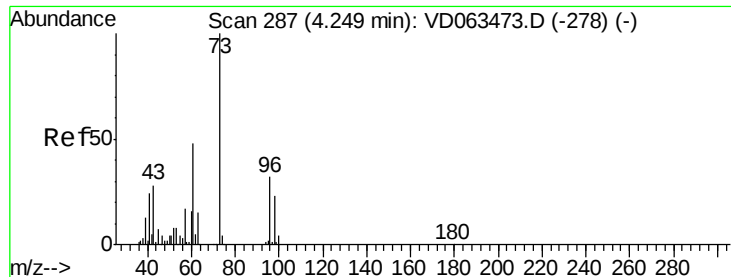
74 15.0 15.4 23.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

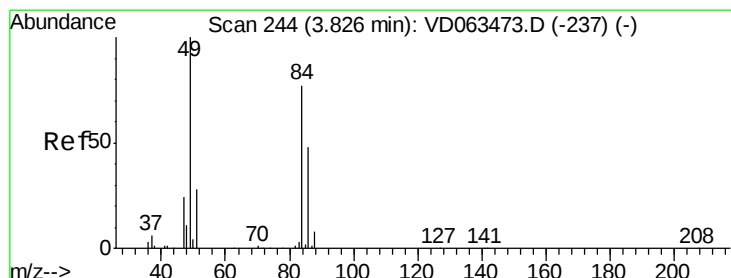
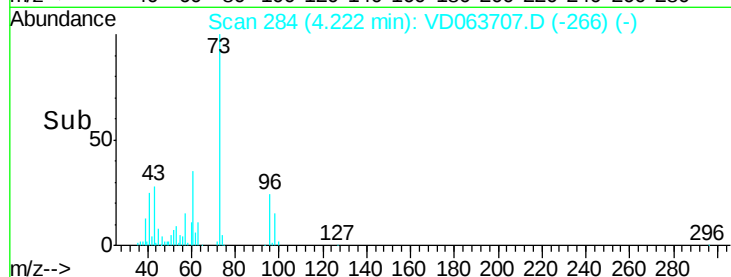
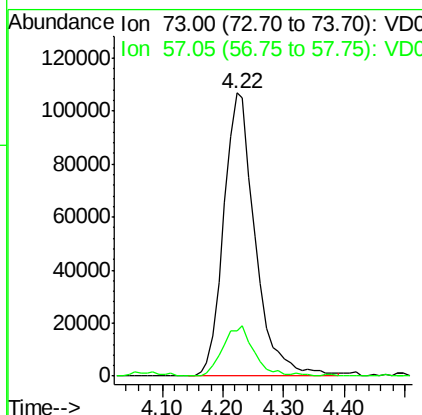
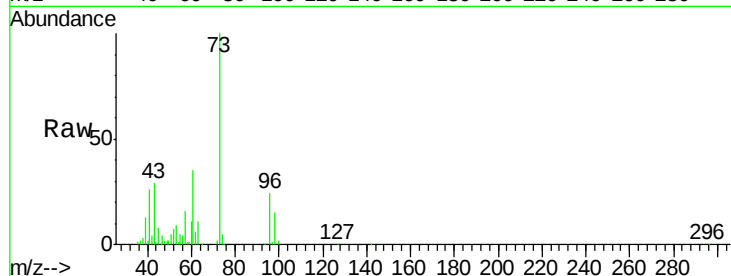




#19
Methvl tert-butvl Ether
Concen: 23.412 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.03 min
Lab File: VD063707.D
Acq: 21 Aug 2019 12:35

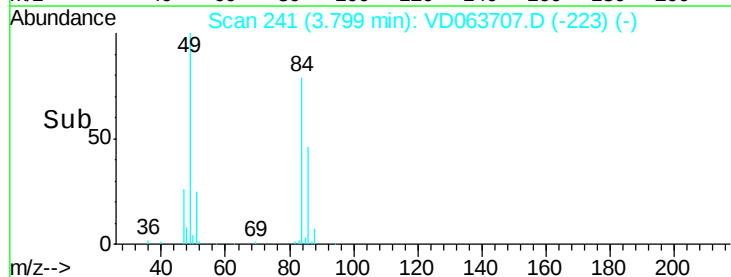
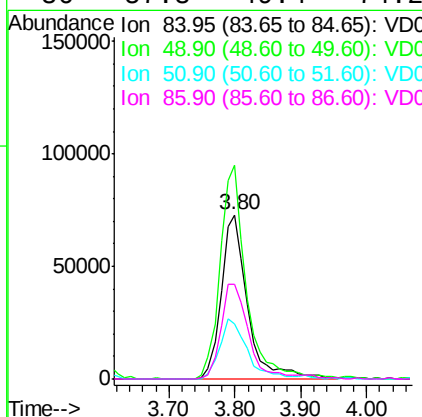
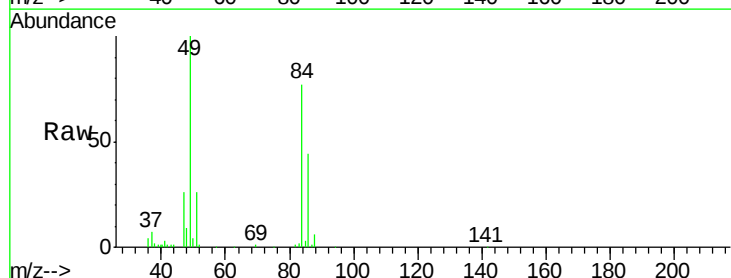
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

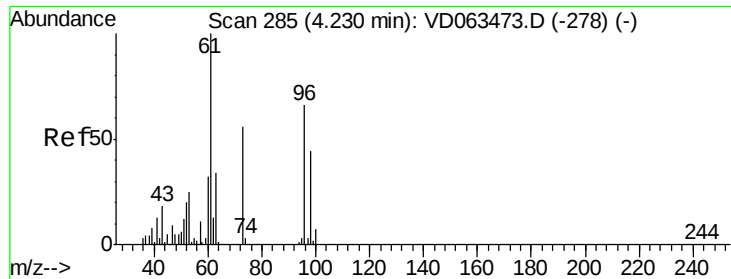
Tot Ion: 73 Resp: 385530
Ion Ratio Lower Upper
73 100
57 15.9 14.0 21.0



#20
Methylene Chloride
Concen: 21.228 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD063707.D
Acq: 21 Aug 2019 12:35

Tgt Ion: 84 Resp: 203250
Ion Ratio Lower Upper
84 100
49 130.2 103.4 155.2
51 33.2 28.5 42.7
86 57.8 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 23.354 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.04 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

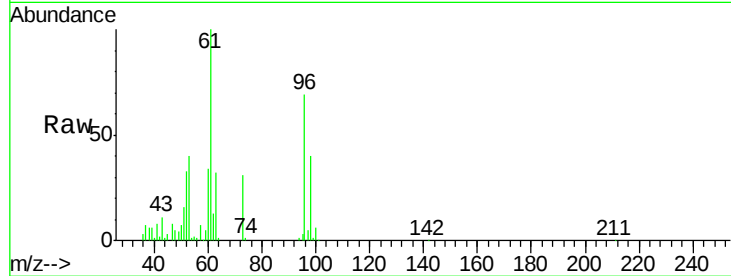
Tot Ion: 96 Resp: 202358

Ion Ratio Lower Upper

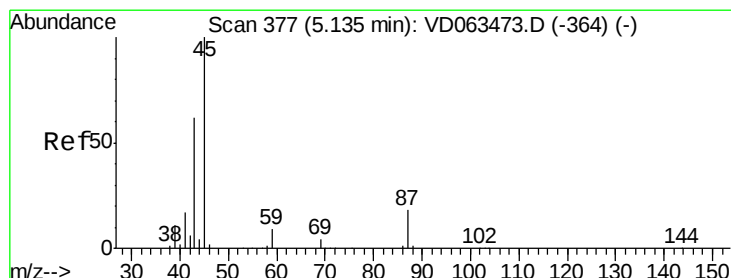
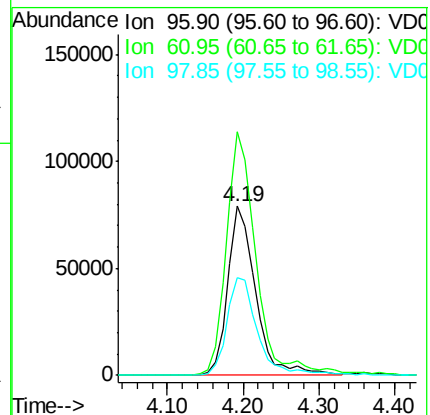
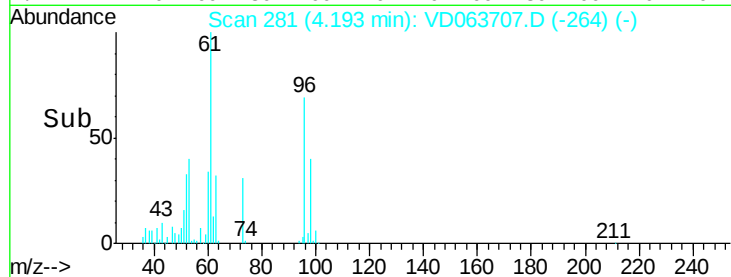
96 100

61 144.3 121.7 182.5

98 58.0 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: 22.097 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.03 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

Tgt Ion: 45 Resp: 564409

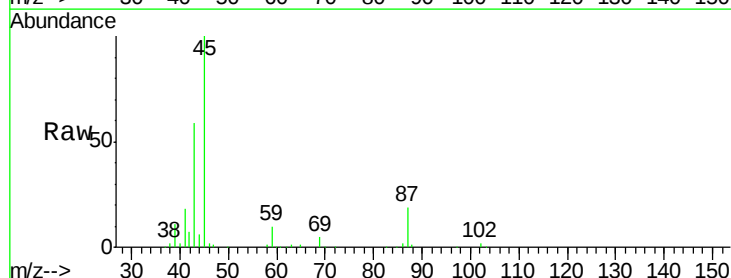
Ion Ratio Lower Upper

45 100

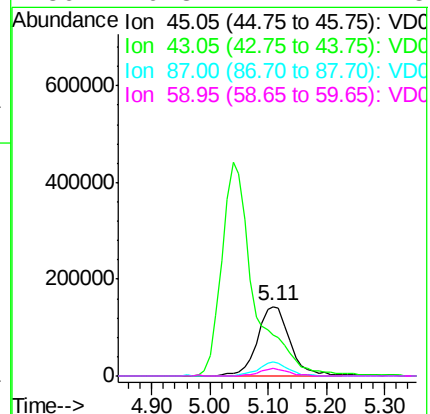
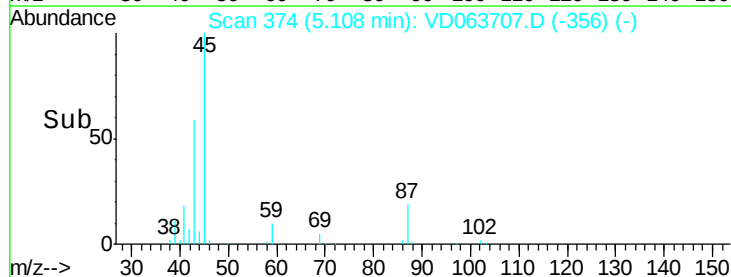
43 59.1 50.3 75.5

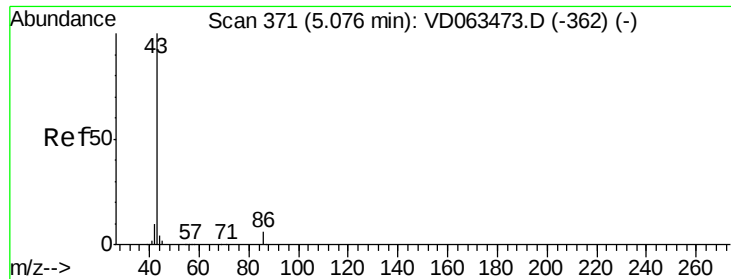
87 19.4 14.3 21.5

59 10.3 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: 114.280 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.04 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

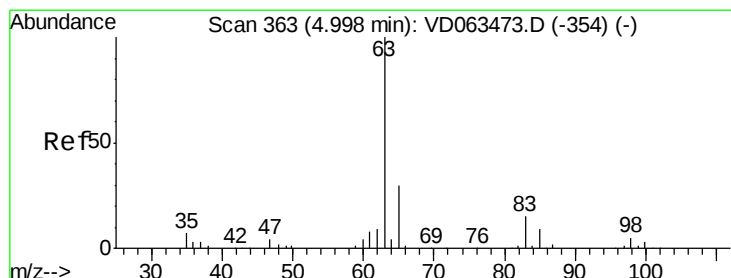
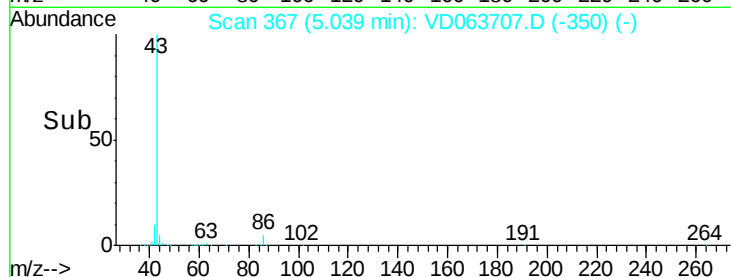
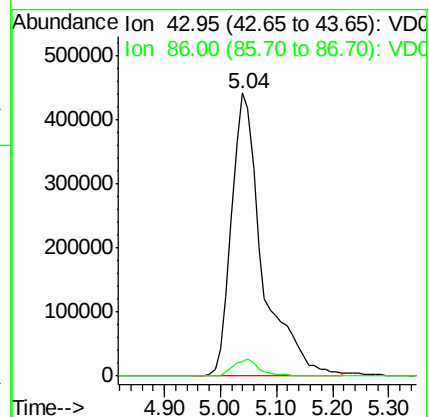
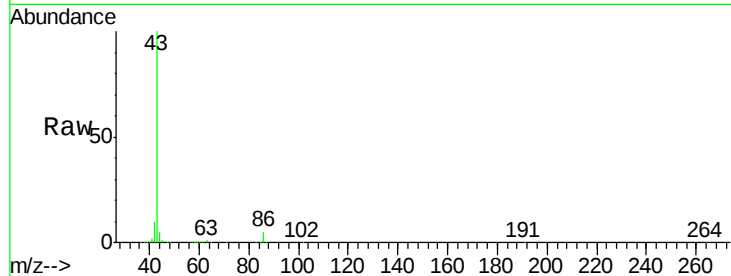
VD0821SBS01

Tot Ion: 43 Resp: 1696984

Ion Ratio Lower Upper

43 100

86 5.4 4.8 7.2



#24

1,1-Dichloroethane

Concen: 22.068 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.04 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

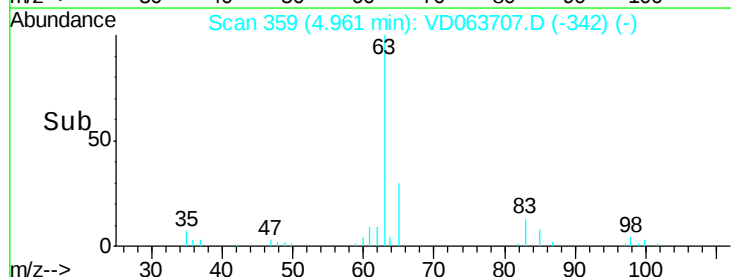
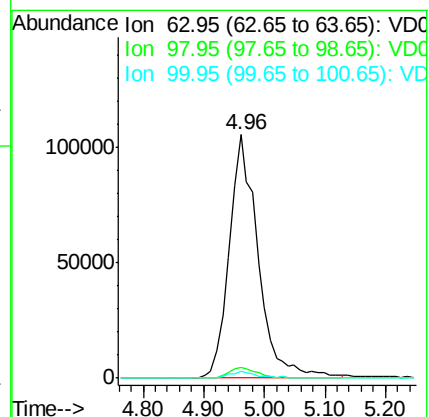
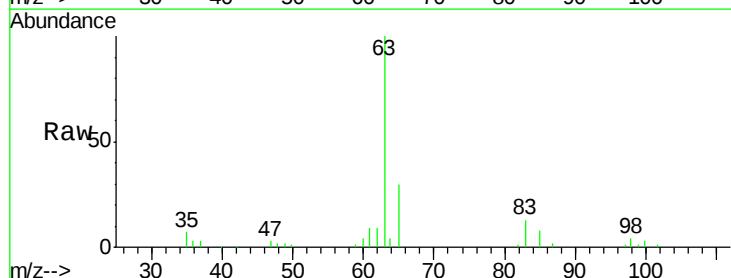
Tgt Ion: 63 Resp: 349603

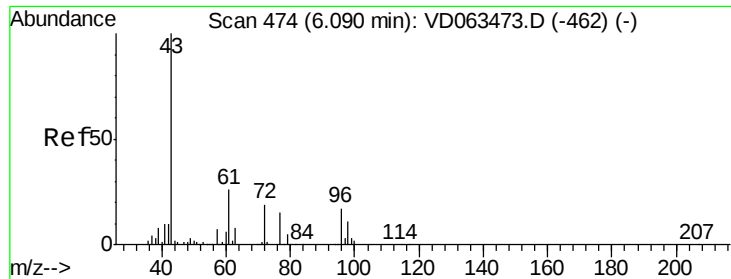
Ion Ratio Lower Upper

63 100

98 4.5 2.4 7.2

100 2.6 1.3 3.8





#25

2-Butanone

Concen: 114.140 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.03 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

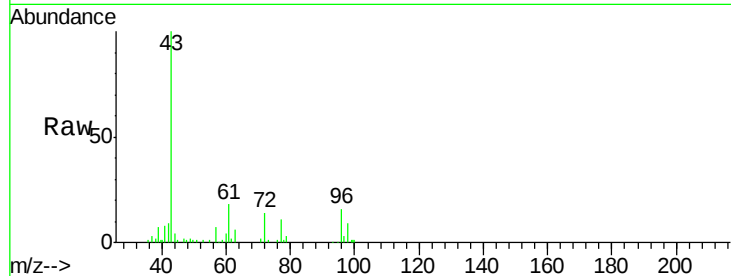
VD0821SBS01

Tot Ion: 43 Resp: 249607

Ion Ratio Lower Upper

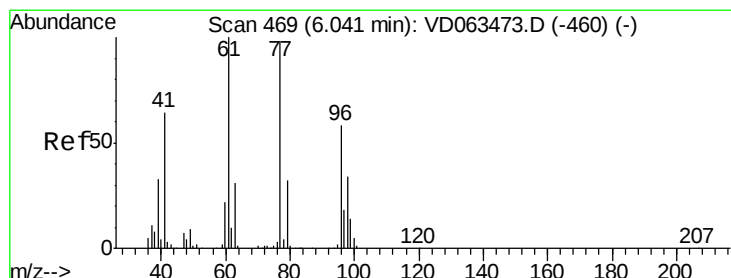
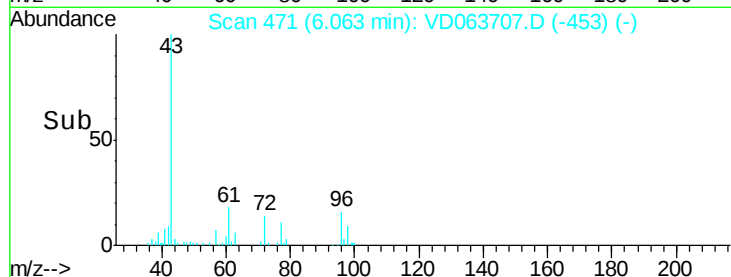
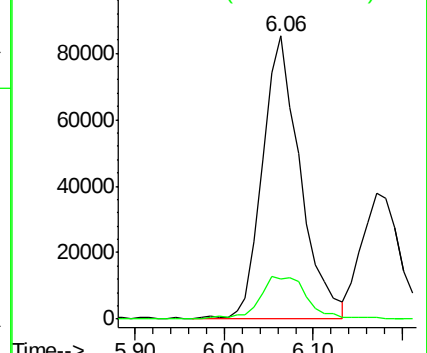
43 100

72 14.0 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: 22.284 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.04 min

Lab File: VD063707.D

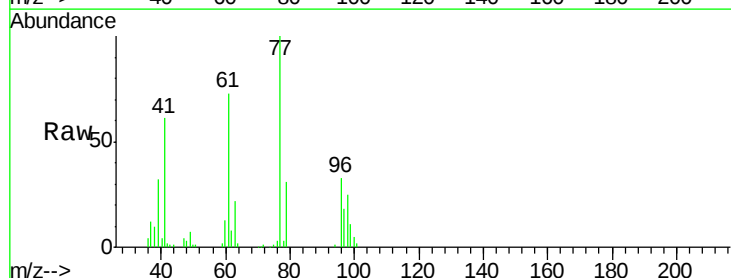
Acq: 21 Aug 2019 12:35

Tgt Ion: 77 Resp: 351632

Ion Ratio Lower Upper

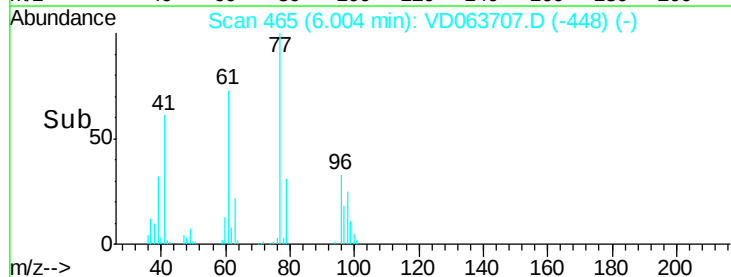
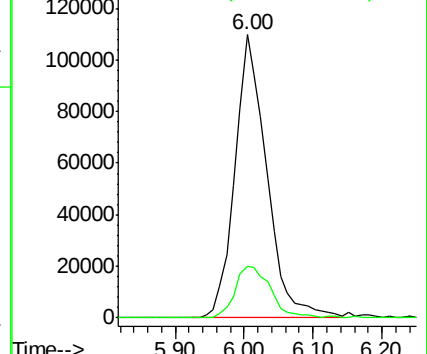
77 100

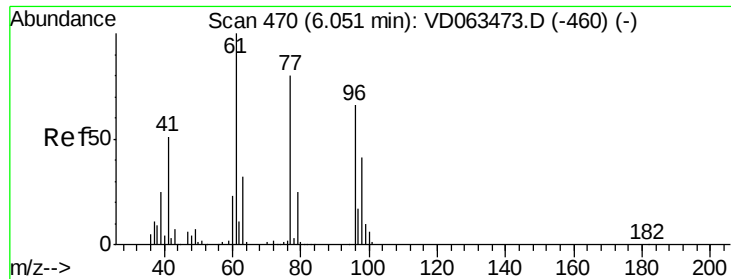
97 18.4 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



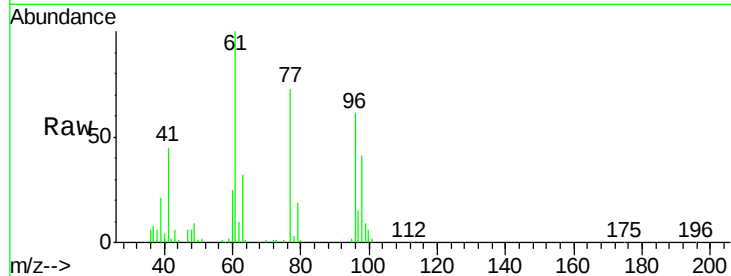


#27

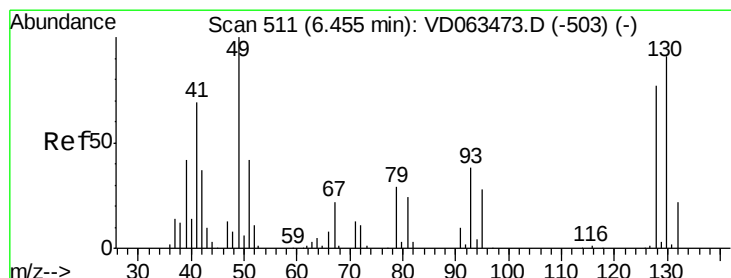
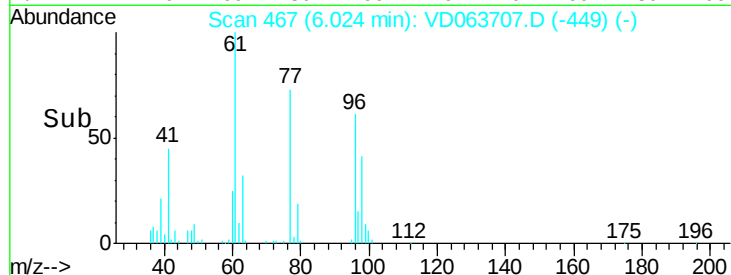
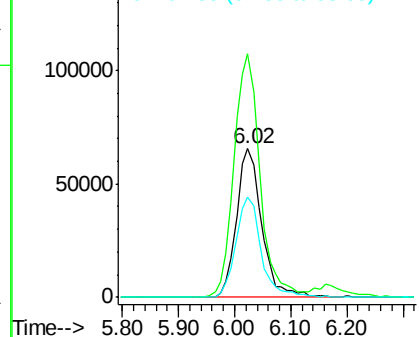
cis-1,2-Dichloroethene
Concen: 21.722 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.03 min
Lab File: VD063707.D
Acq: 21 Aug 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion: 96 Resp: 205926
Ion Ratio Lower Upper
96 100
61 164.1 0.0 304.0
98 67.5 0.0 124.8



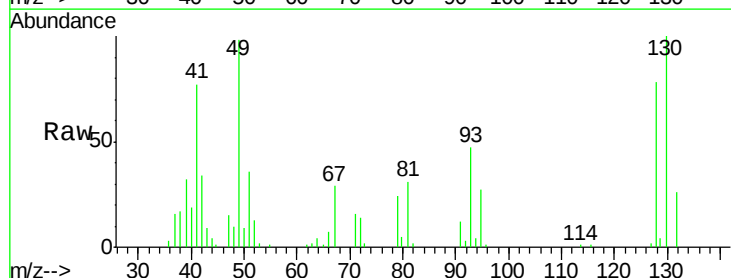
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



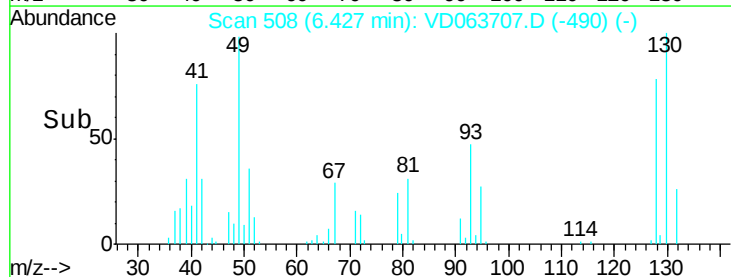
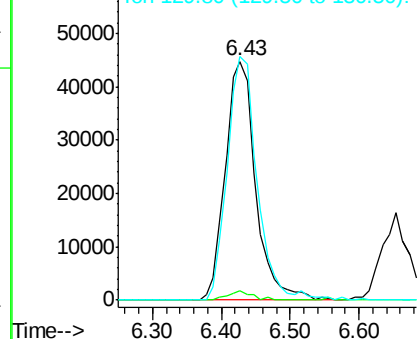
#28

Bromochloromethane
Concen: 21.276 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.03 min
Lab File: VD063707.D
Acq: 21 Aug 2019 12:35

Tgt Ion: 49 Resp: 136606
Ion Ratio Lower Upper
49 100
129 4.2 0.0 6.4
130 102.0 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: 113.957 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.03 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

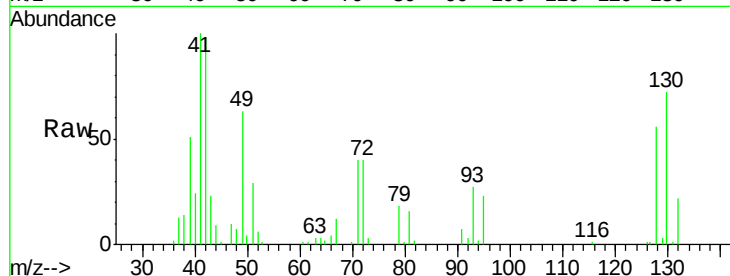
Tot Ion: 42 Resp: 116124

Ion Ratio Lower Upper

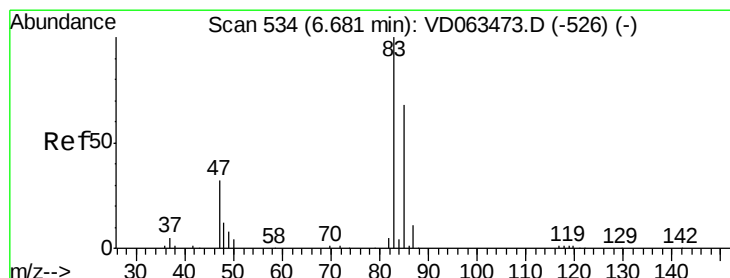
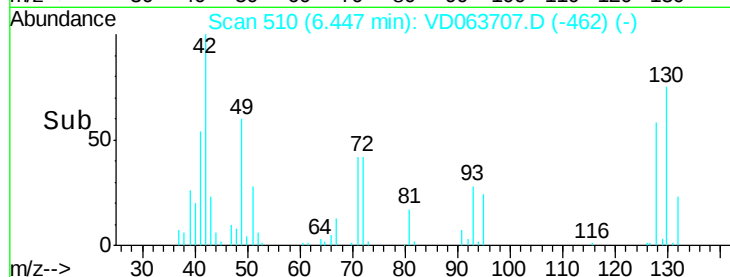
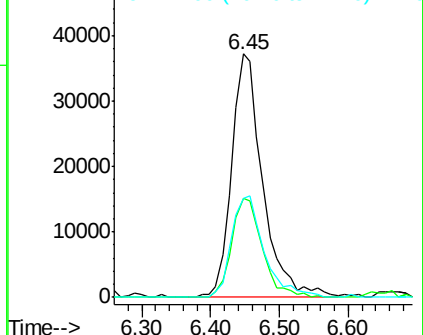
42 100

72 40.0 31.5 47.3

71 43.7 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 22.578 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.03 min

Lab File: VD063707.D

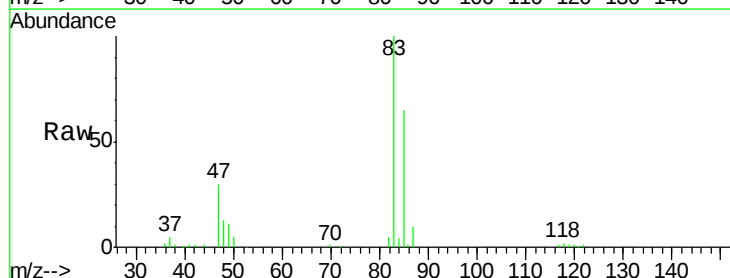
Acq: 21 Aug 2019 12:35

Tgt Ion: 83 Resp: 444597

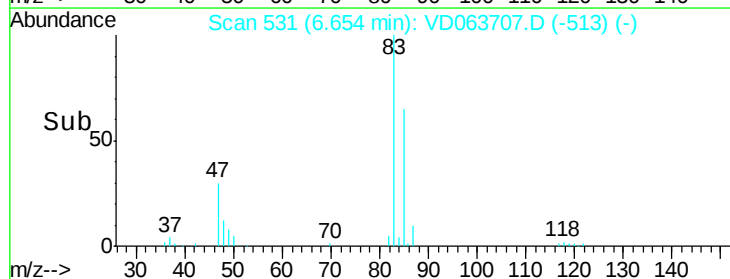
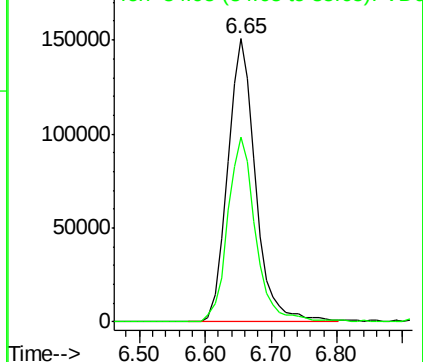
Ion Ratio Lower Upper

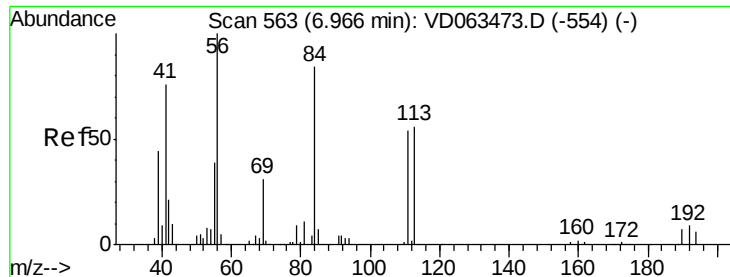
83 100

85 65.4 54.8 82.2



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

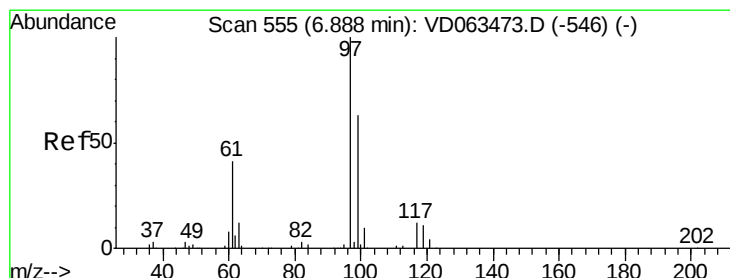
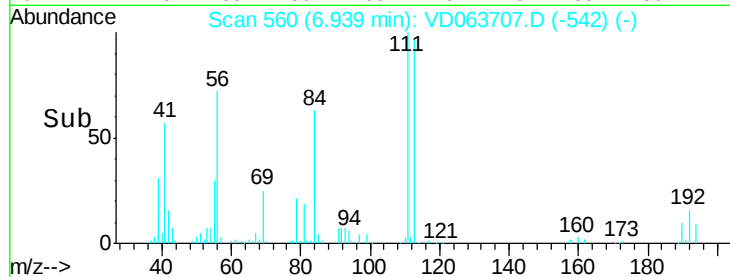
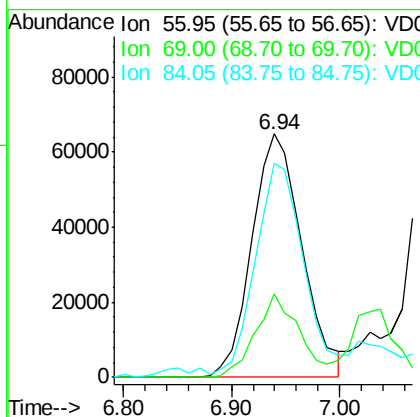
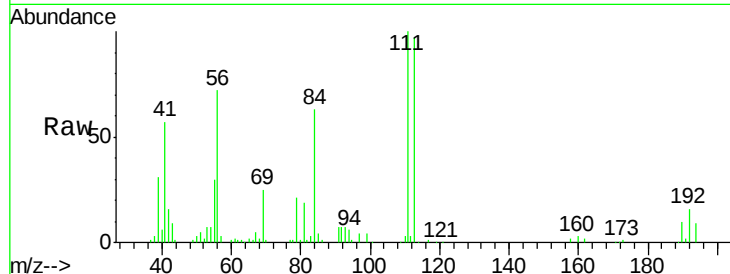




#31
Cyclohexane
Concen: 21.155 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.03 min
Lab File: VD063707.D
Acq: 21 Aug 2019 12:35

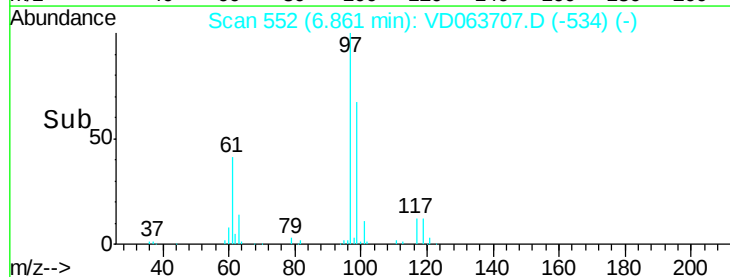
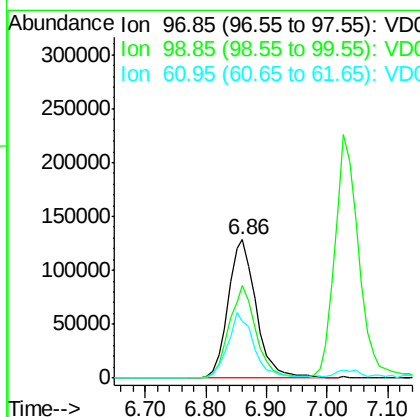
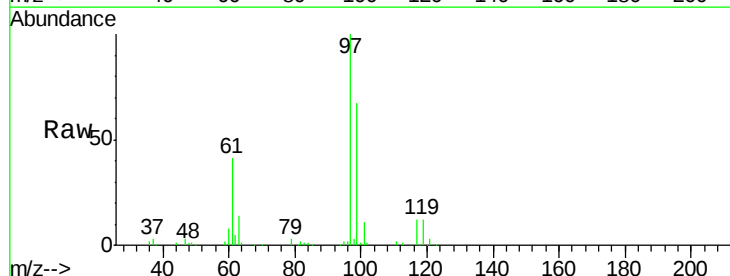
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

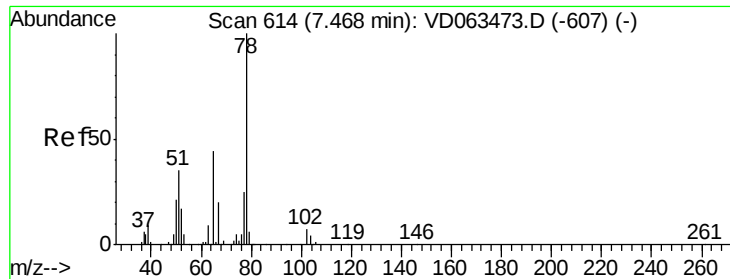
Tot Ion: 56 Resp: 208062
Ion Ratio Lower Upper
56 100
69 34.2 25.0 37.6
84 87.9 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 21.814 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.03 min
Lab File: VD063707.D
Acq: 21 Aug 2019 12:35

Tgt Ion: 97 Resp: 410906
Ion Ratio Lower Upper
97 100
99 67.3 50.2 75.4
61 41.2 33.1 49.7

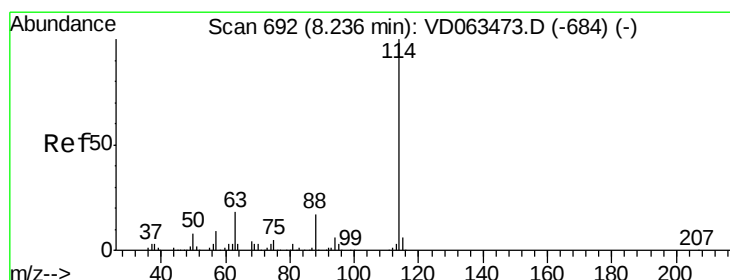
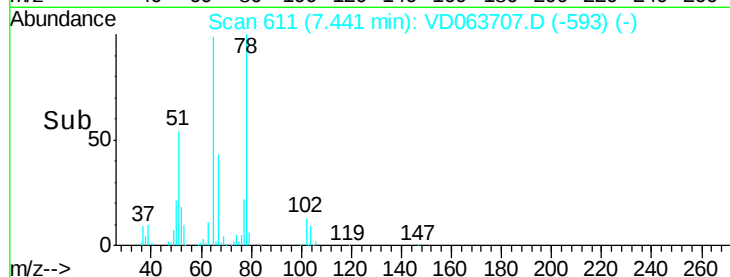
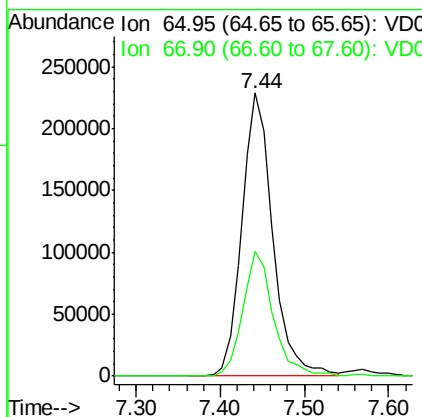
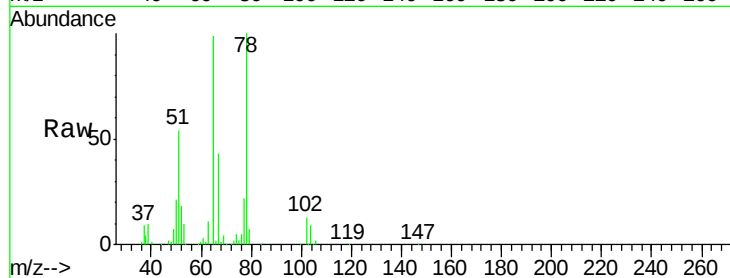




#33
 1,2-Dichloroethane-d4
 Concen: 53.659 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: VD063707.D
 Acq: 21 Aug 2019 12:35

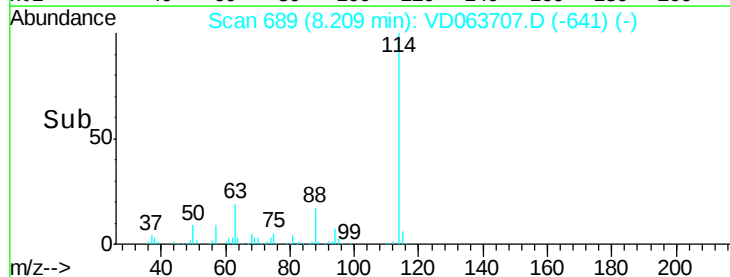
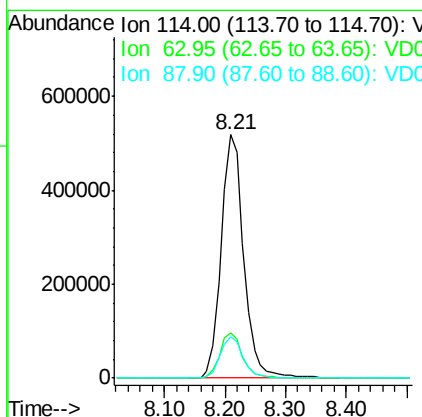
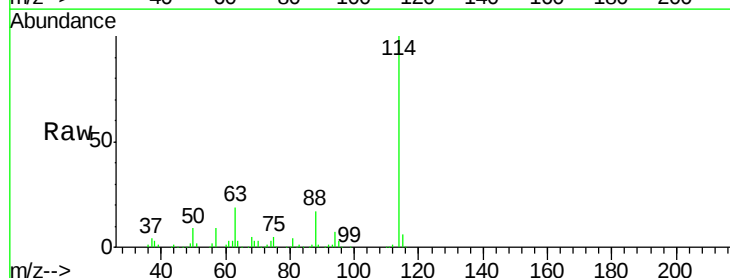
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

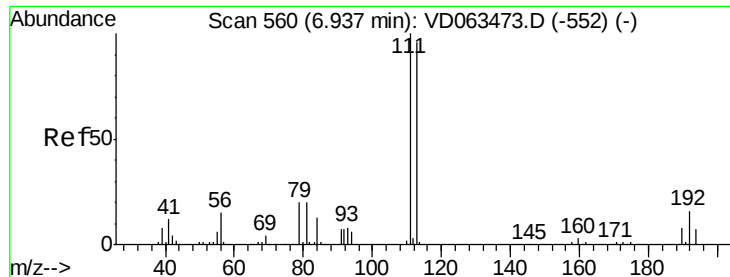
Tot Ion: 65 Resp: 584480
 Ion Ratio Lower Upper
 65 100
 67 43.9 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD063707.D
 Acq: 21 Aug 2019 12:35

Tgt Ion: 114 Resp: 1338755
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 36.2
 88 16.9 0.0 35.0





#35

Dibromofluoromethane

Concen: 57.154 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

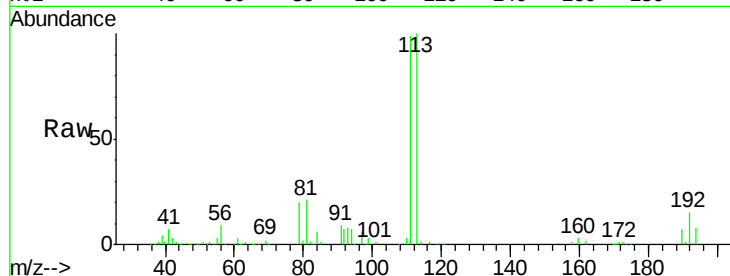
Tot Ion:113 Resp: 644411

Ion Ratio Lower Upper

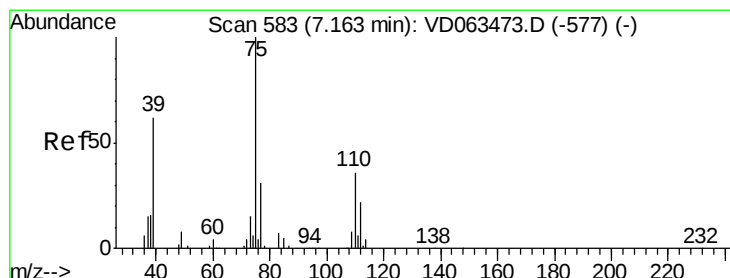
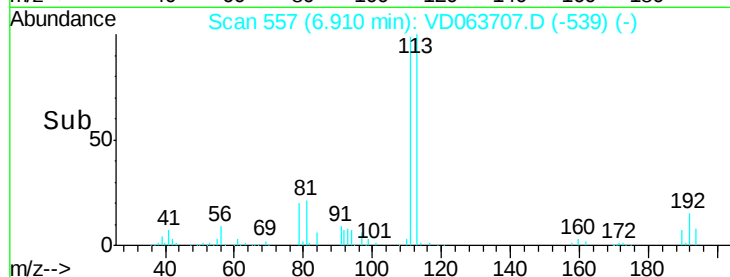
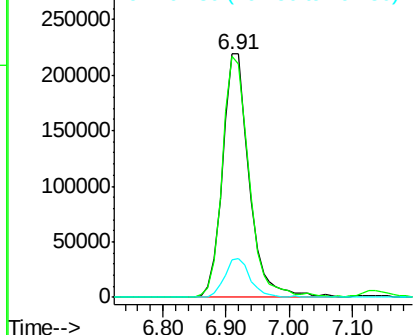
113 100

111 99.0 83.1 124.7

192 15.3 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 24.354 ug/l

RT: 7.13 min Scan# 579

Delta R.T. -0.04 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

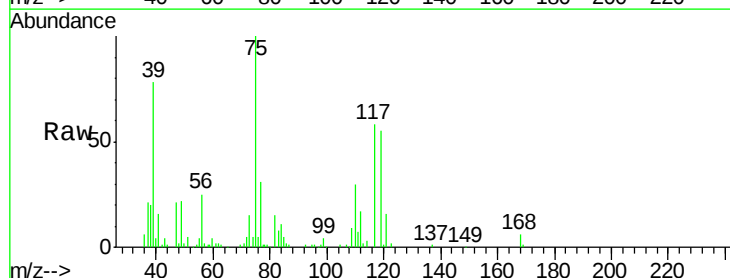
Tgt Ion: 75 Resp: 288221

Ion Ratio Lower Upper

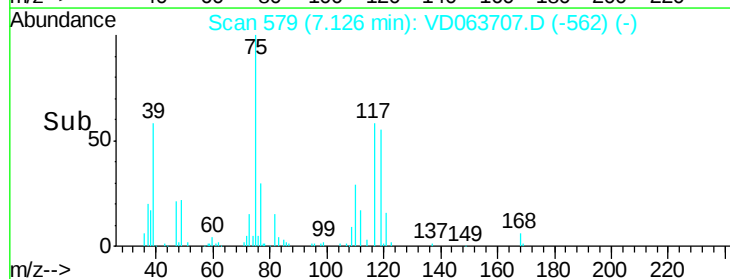
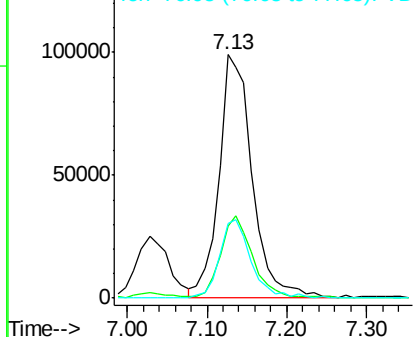
75 100

110 29.8 17.6 52.8

77 30.7 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

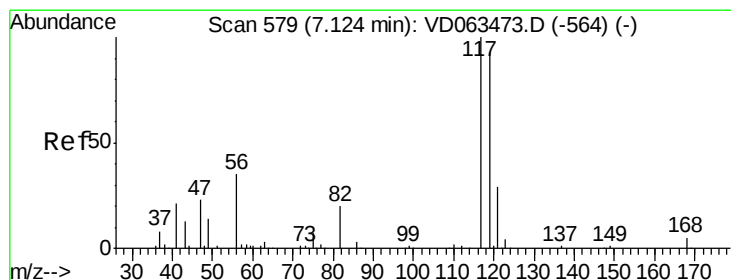
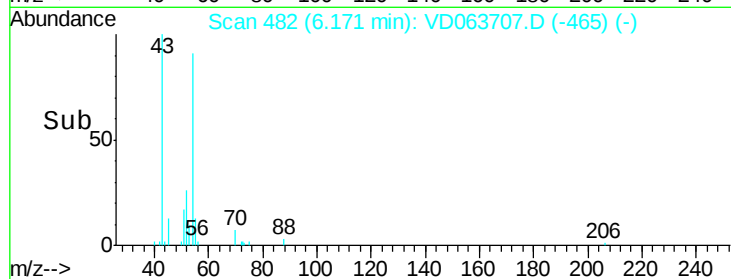
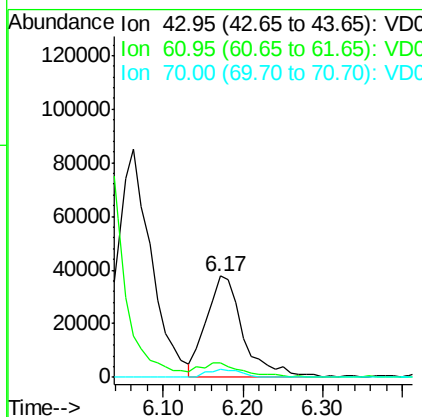
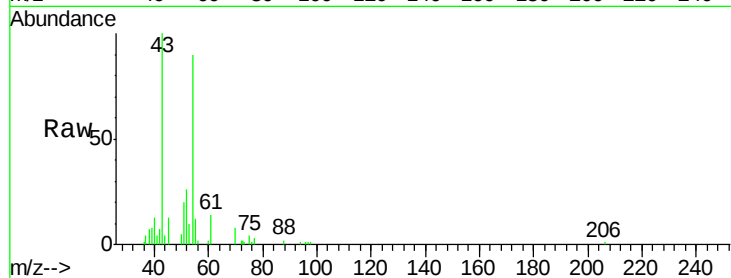




#37
Ethyl Acetate
Concen: 23.944 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.04 min
Lab File: VD063707.D
Acq: 21 Aug 2019 12:35

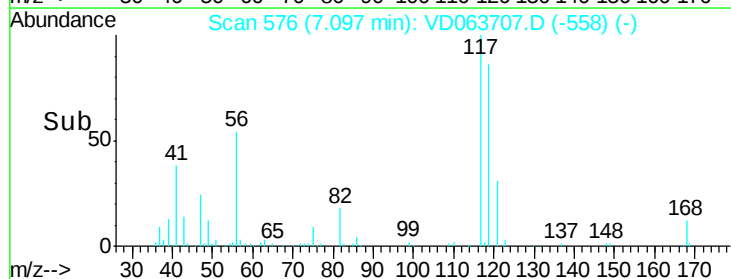
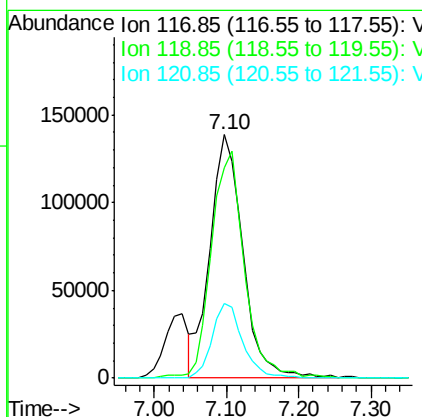
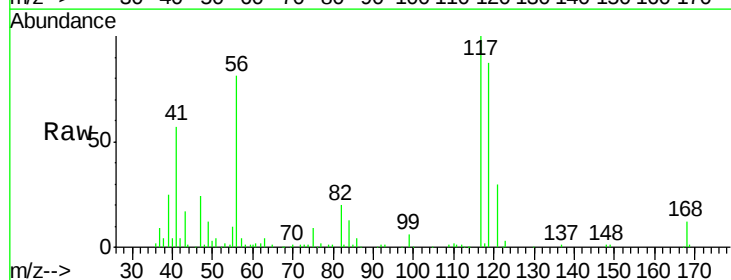
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

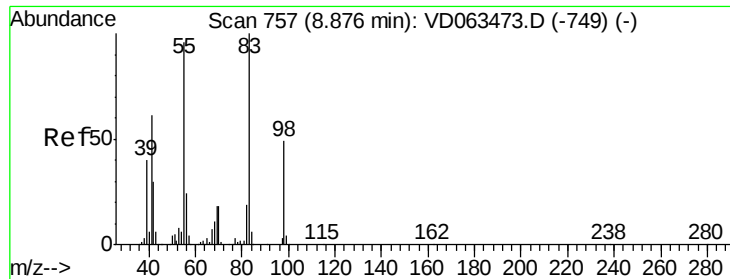
Tot Ion: 43 Resp: 118742
Ion Ratio Lower Upper
43 100
61 13.7 9.0 13.6#
70 8.4 6.9 10.3



#38
Carbon Tetrachloride
Concen: 24.616 ug/l
RT: 7.10 min Scan# 576
Delta R.T. -0.03 min
Lab File: VD063707.D
Acq: 21 Aug 2019 12:35

Tgt Ion: 117 Resp: 439060
Ion Ratio Lower Upper
117 100
119 86.6 74.2 111.2
121 30.4 23.1 34.7

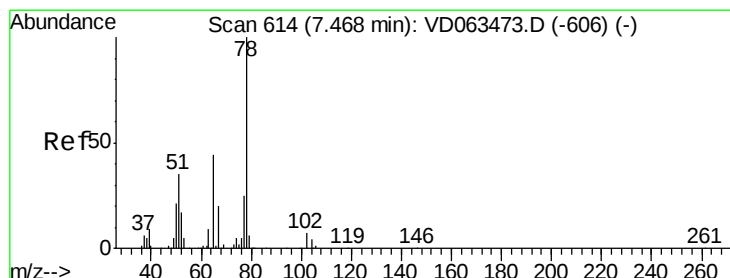
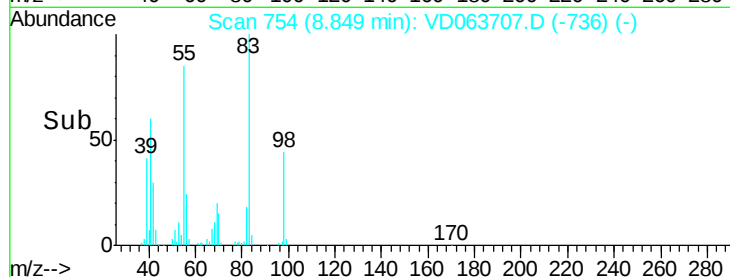
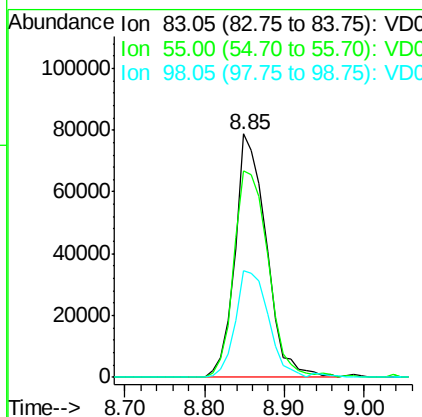
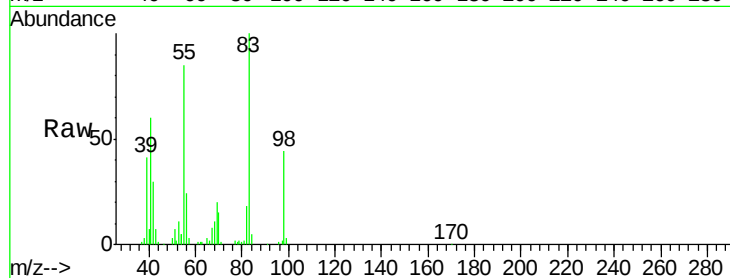




#39
Methvlcvclohexane
Concen: 21.362 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.03 min
Lab File: VD063707.D
Acq: 21 Aug 2019 12:35

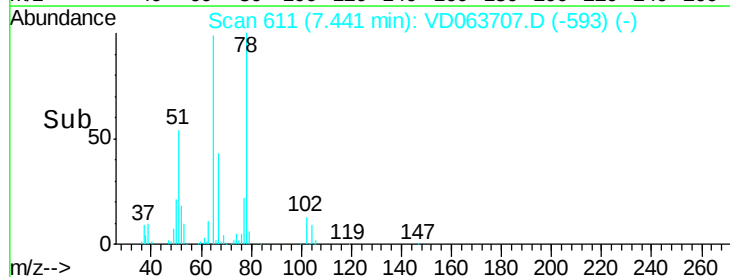
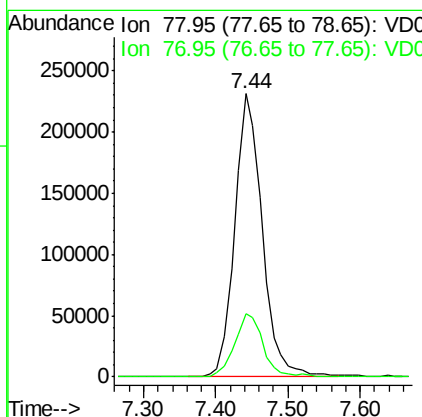
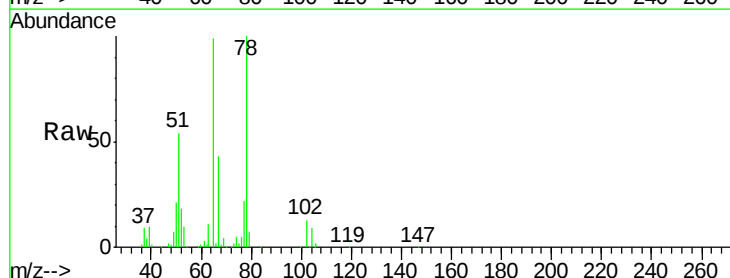
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

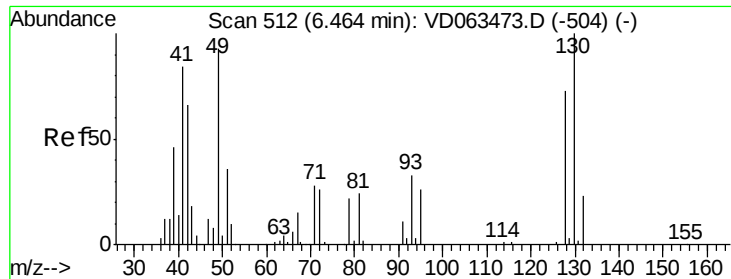
Tot Ion: 83 Resp: 214979
Ion Ratio Lower Upper
83 100
55 84.8 76.6 114.8
98 43.8 39.4 59.0



#40
Benzene
Concen: 23.621 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.03 min
Lab File: VD063707.D
Acq: 21 Aug 2019 12:35

Tgt Ion: 78 Resp: 615204
Ion Ratio Lower Upper
78 100
77 22.2 20.1 30.1

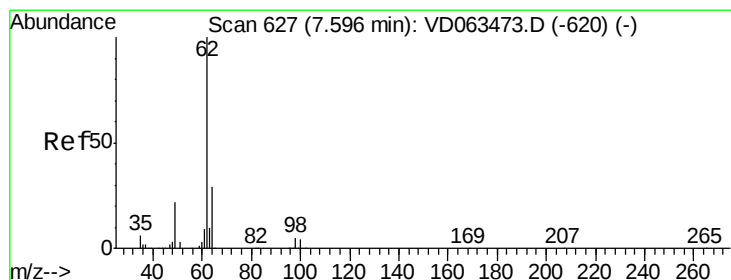
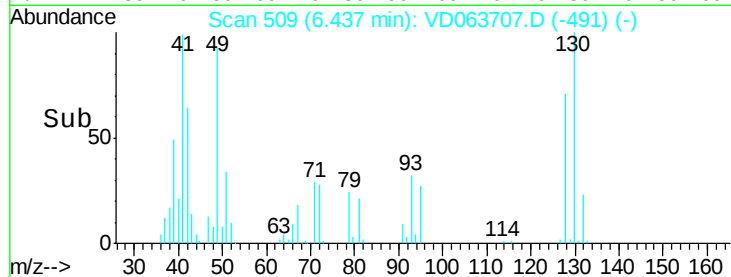
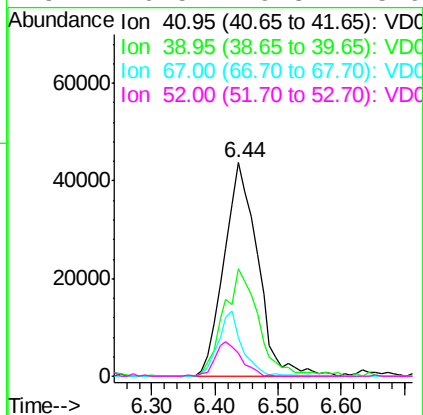
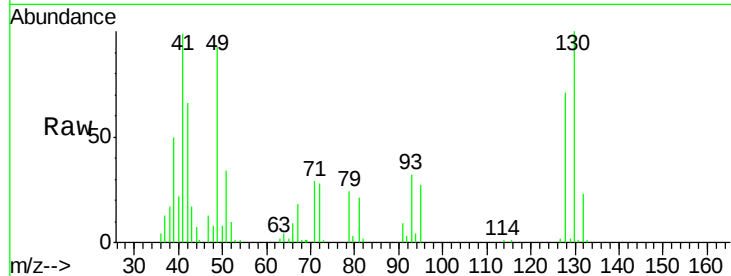




#41
Methacrylonitrile
Concen: 25.907 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.03 min
Lab File: VD063707.D
Acq: 21 Aug 2019 12:35

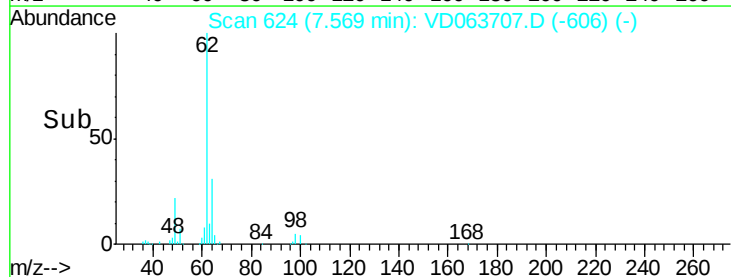
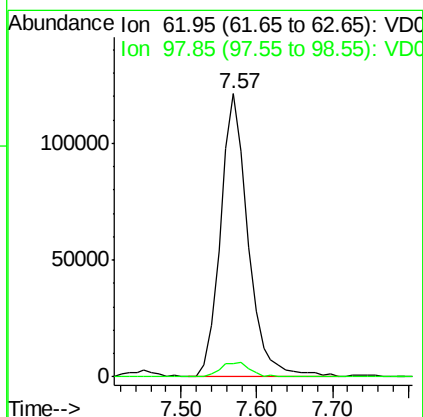
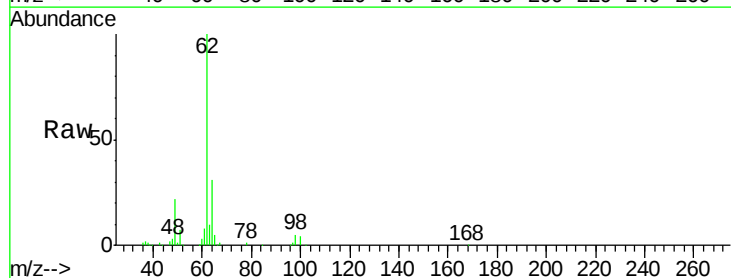
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

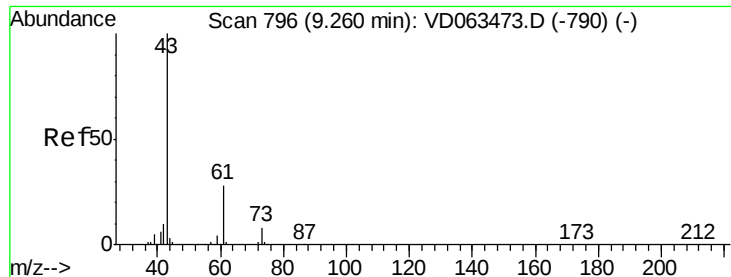
Tot Ion:	41	Resp:	161767
Ion	Ratio	Lower	Upper
41	100		
39	50.3	44.6	66.8
67	18.0	14.4	21.6
52	10.5	9.3	13.9



#42
1,2-Dichloroethane
Concen: 23.356 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.03 min
Lab File: VD063707.D
Acq: 21 Aug 2019 12:35

Tgt Ion:	62	Resp:	305867
Ion	Ratio	Lower	Upper
62	100		
98	4.8	0.0	10.4



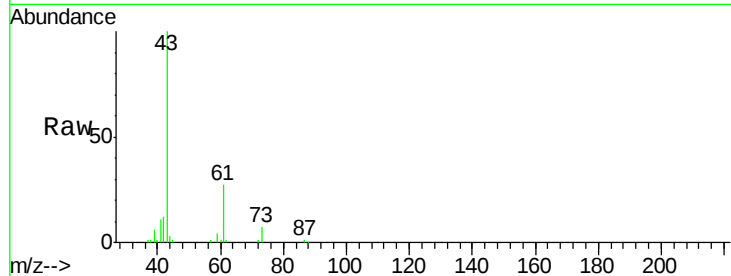


#43

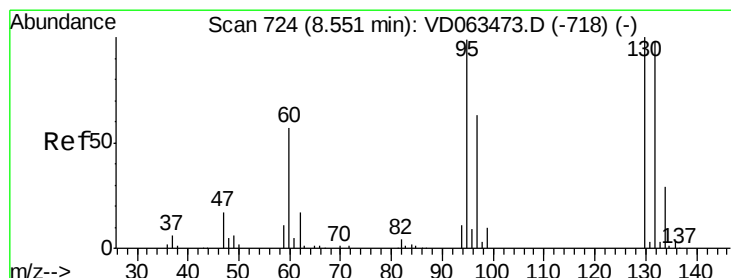
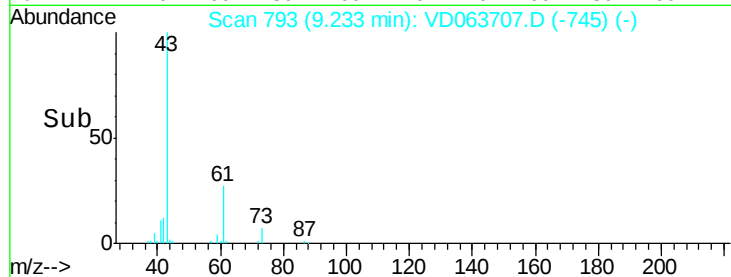
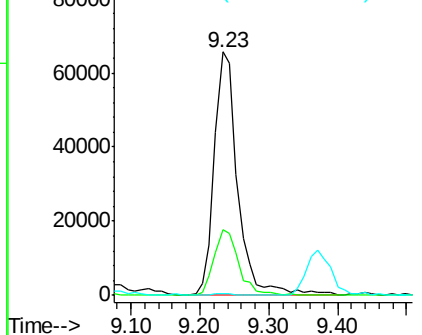
Isopropyl Acetate
 Concen: 23.448 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.03 min
 Lab File: VD063707.D
 Acq: 21 Aug 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion: 43 Resp: 155737
 Ion Ratio Lower Upper
 43 100
 61 26.9 22.2 33.2
 87 0.5 0.2 0.4#



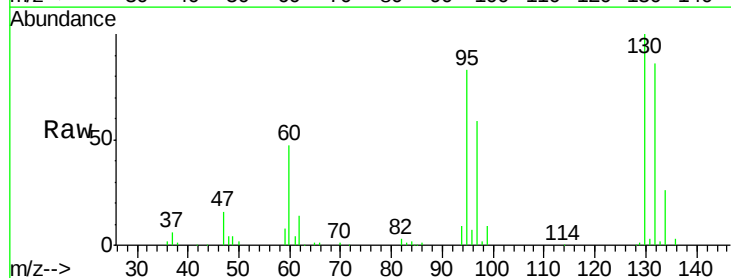
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



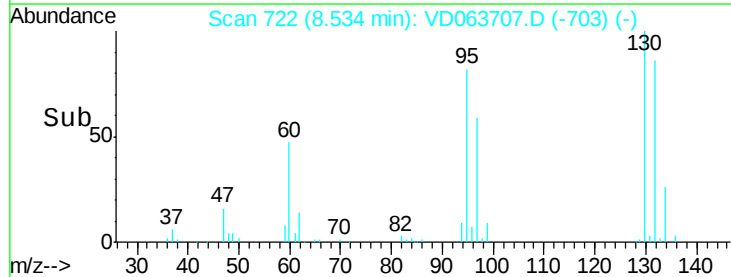
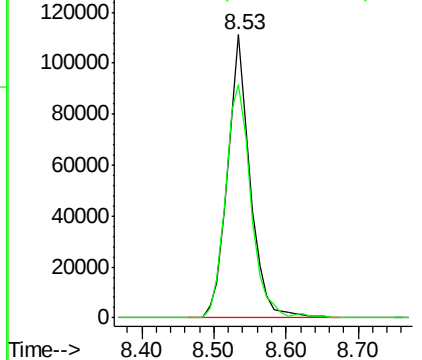
#44

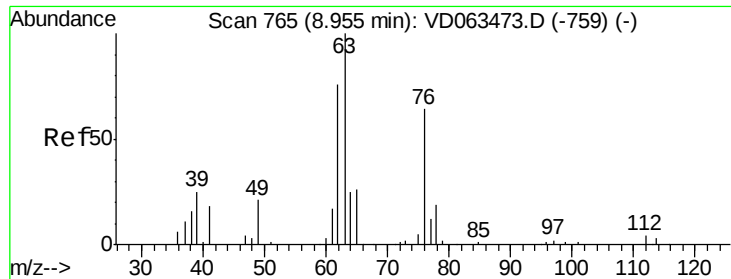
Trichloroethene
 Concen: 24.293 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.02 min
 Lab File: VD063707.D
 Acq: 21 Aug 2019 12:35

Tgt Ion: 130 Resp: 241826
 Ion Ratio Lower Upper
 130 100
 95 82.6 0.0 198.0



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





#45

1,2-Dichloropropane

Concen: 23.106 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.02 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

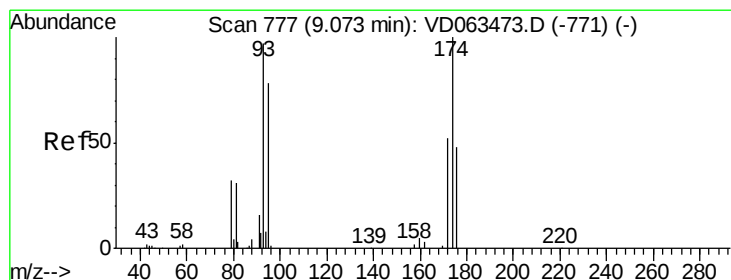
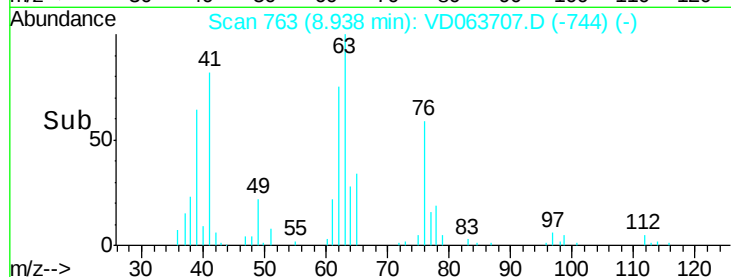
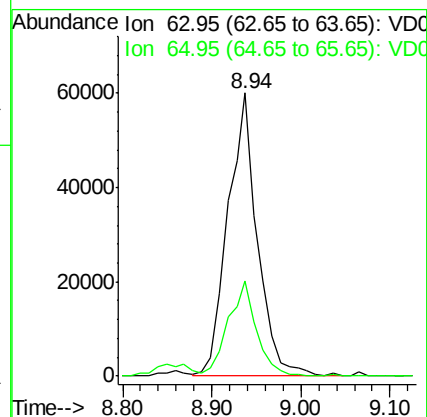
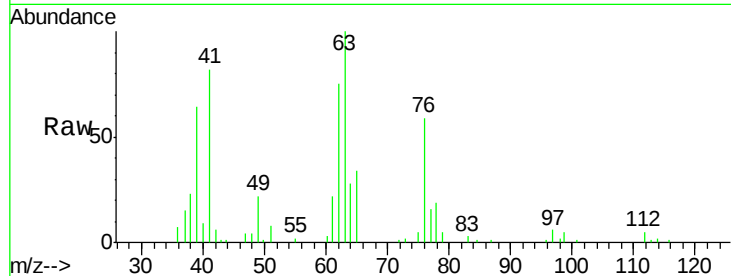
VD0821SBS01

Tot Ion: 63 Resp: 140139

Ion Ratio Lower Upper

63 100

65 33.8 22.5 33.7#



#46

Dibromomethane

Concen: 24.606 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.02 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

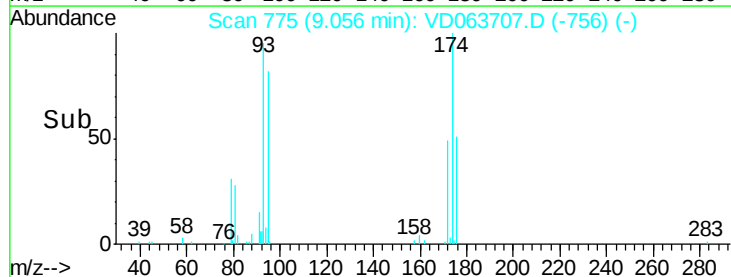
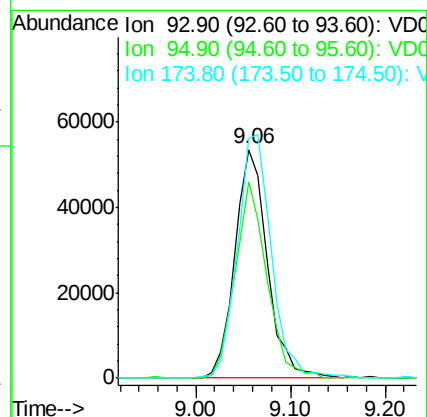
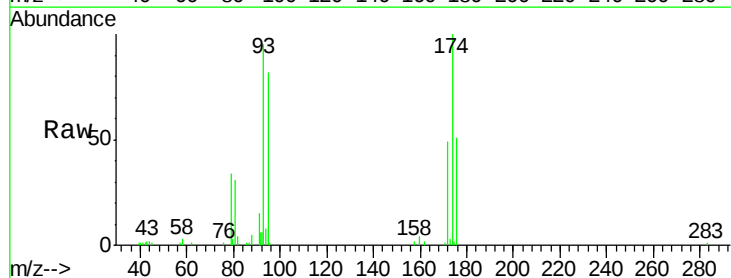
Tgt Ion: 93 Resp: 127449

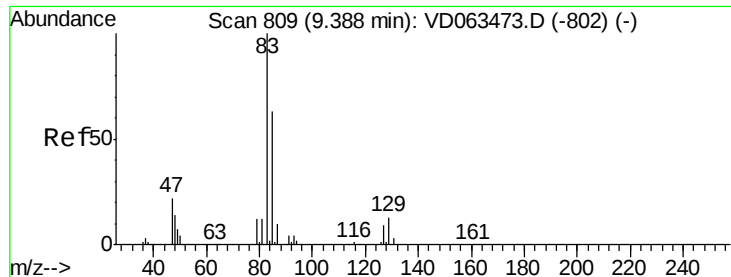
Ion Ratio Lower Upper

93 100

95 85.7 64.2 96.2

174 104.8 82.1 123.1





#47

Bromodichloromethane

Concen: 23.758 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

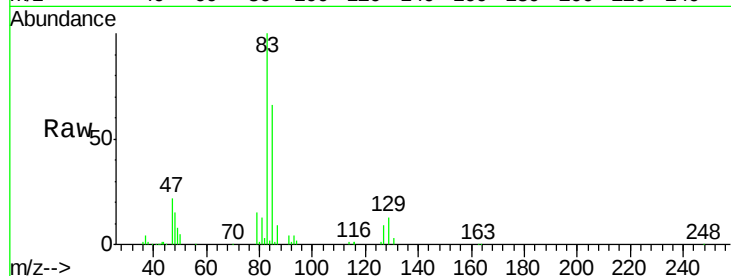
Tot Ion: 83 Resp: 315650

Ion Ratio Lower Upper

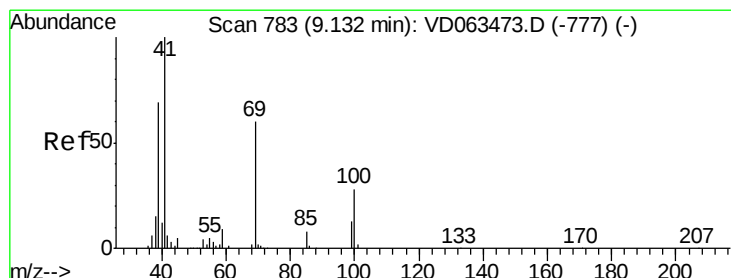
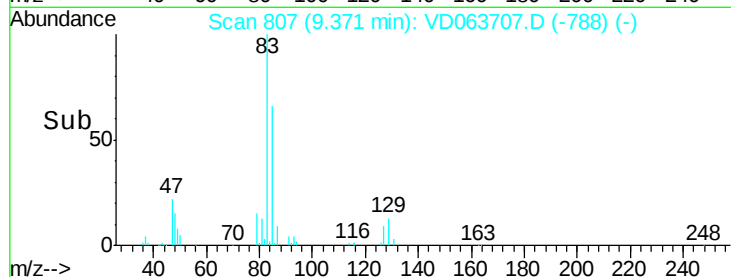
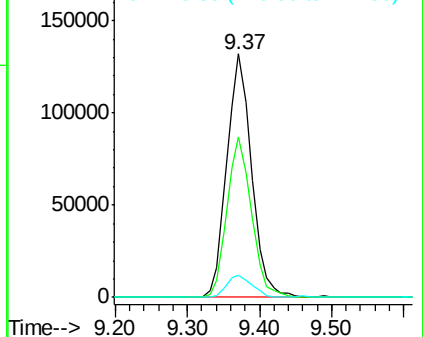
83 100

85 65.9 50.1 75.1

127 8.9 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: 24.034 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.02 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

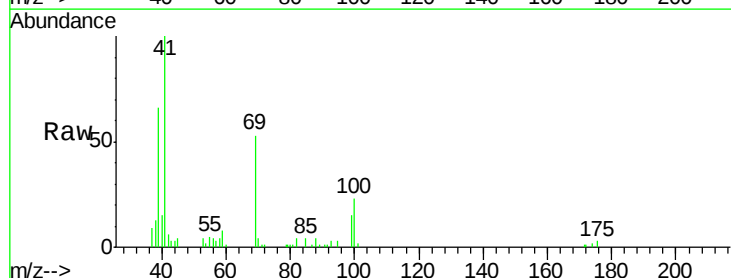
Tgt Ion: 41 Resp: 108259

Ion Ratio Lower Upper

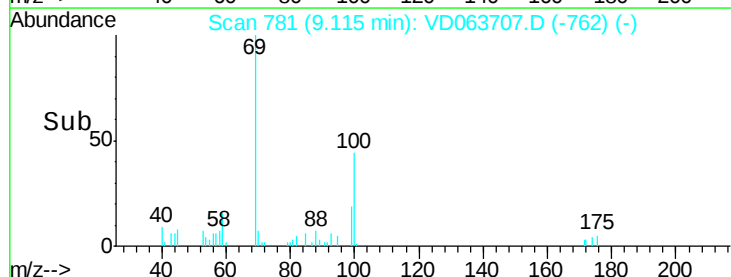
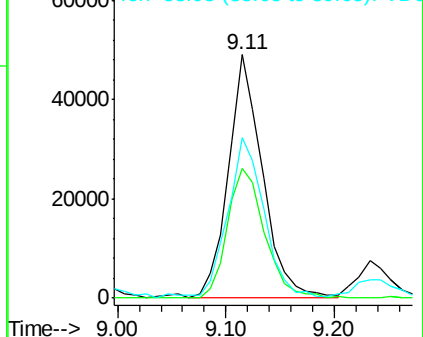
41 100

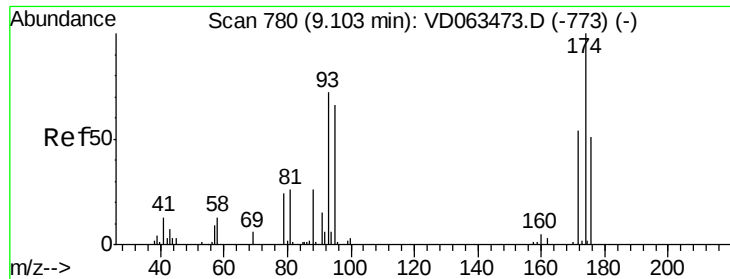
69 53.5 47.6 71.4

39 66.1 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

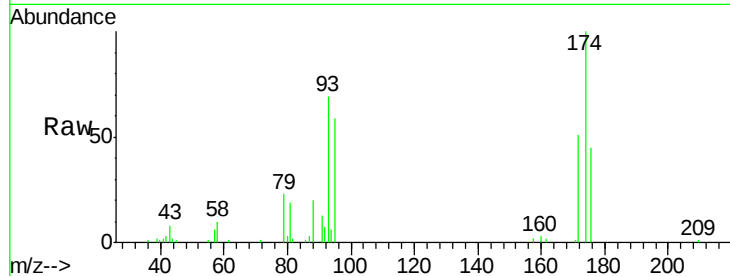




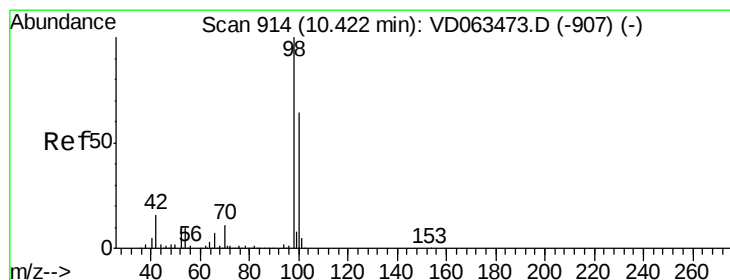
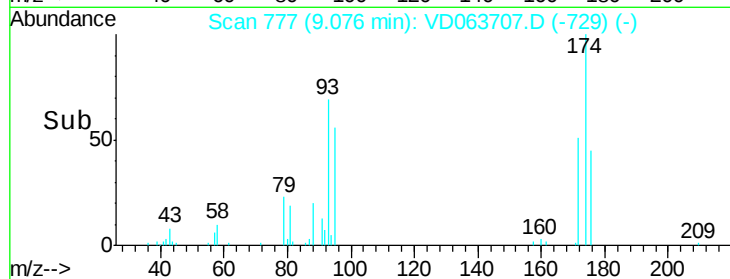
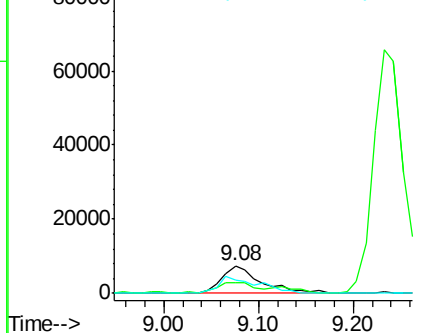
#49
 1,4-Dioxane
 Concen: 539.626 ug/l
 RT: 9.08 min Scan# 777
 Delta R.T. -0.03 min
 Lab File: VD063707.D
 Acq: 21 Aug 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion: 88 Resp: 21236
 Ion Ratio Lower Upper
 88 100
 43 38.3 22.9 34.3#
 58 50.0 40.1 60.1

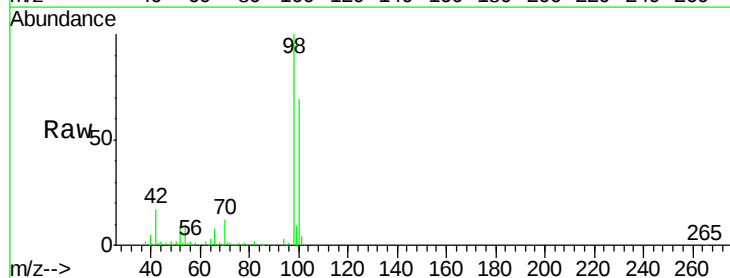


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

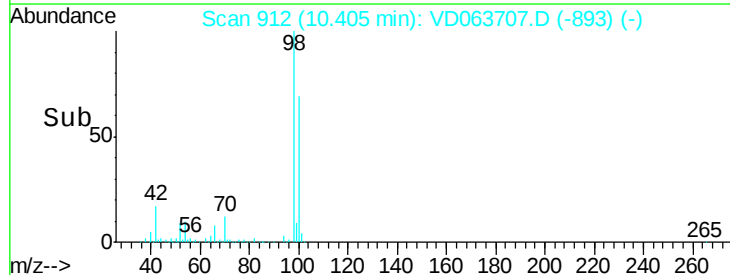
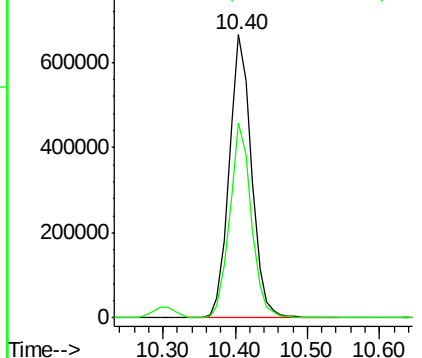


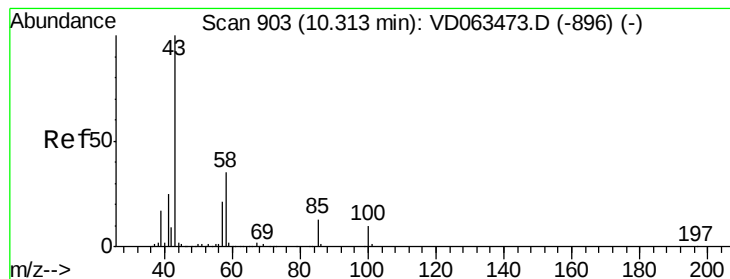
#50
 Toluene-d8
 Concen: 58.000 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.02 min
 Lab File: VD063707.D
 Acq: 21 Aug 2019 12:35

Tgt Ion: 98 Resp: 1437755
 Ion Ratio Lower Upper
 98 100
 100 69.1 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: 119.250 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.02 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

Instrument :

MSVOA_D

ClientSampleID :

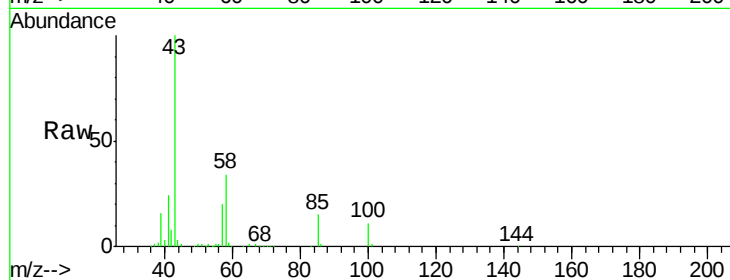
VD0821SBS01

Tot Ion: 43 Resp: 541980

Ion Ratio Lower Upper

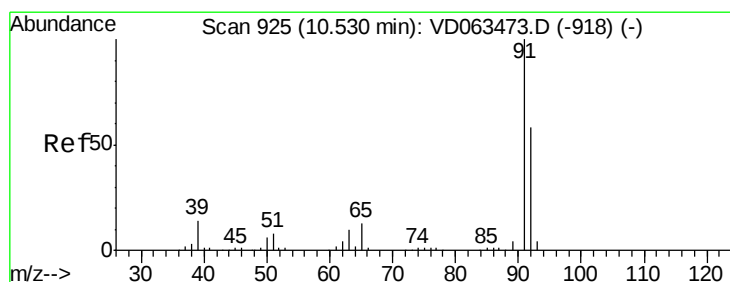
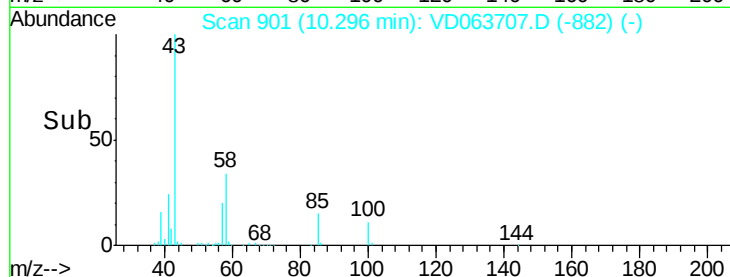
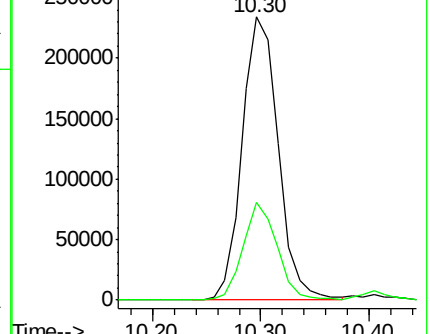
43 100

58 34.4 28.0 42.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 23.265 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.03 min

Lab File: VD063707.D

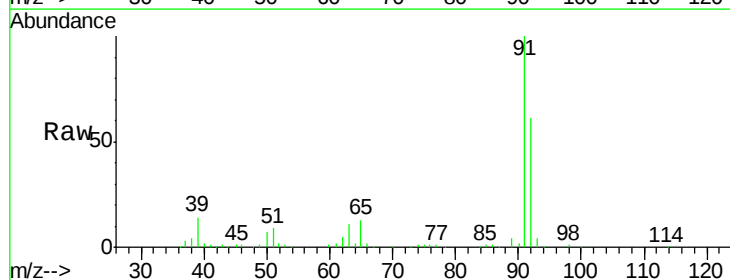
Acq: 21 Aug 2019 12:35

Tgt Ion: 92 Resp: 390268

Ion Ratio Lower Upper

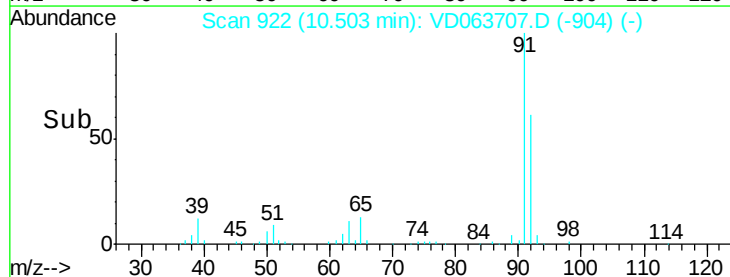
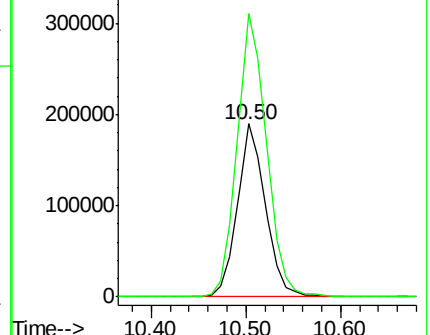
92 100

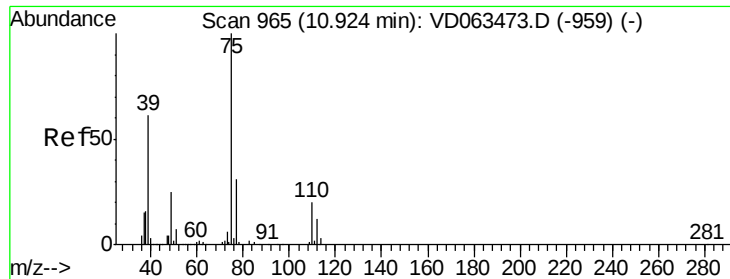
91 163.5 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 24.662 ug/l

RT: 10.91 min Scan# 963

Delta R.T. -0.02 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

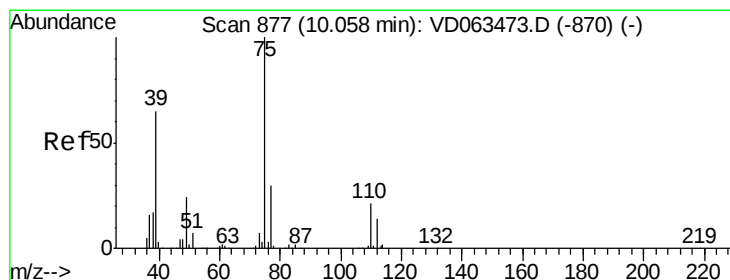
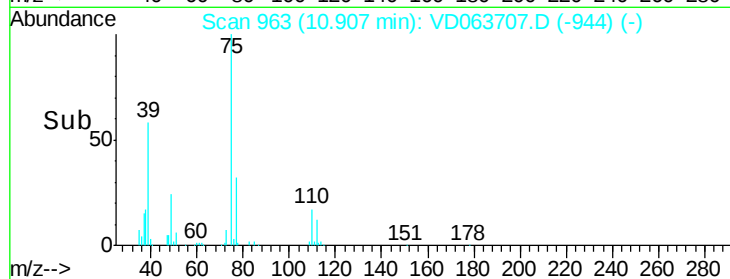
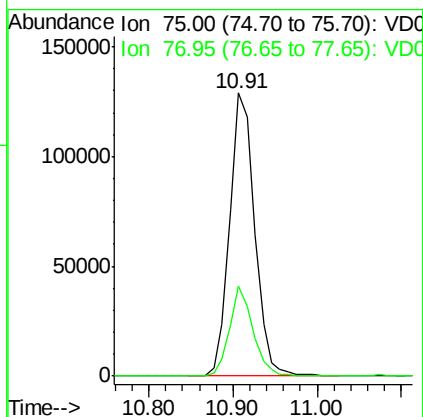
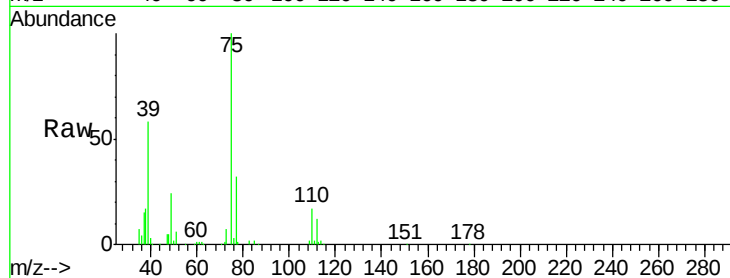
VD0821SBS01

Tot Ion: 75 Resp: 267402

Ion Ratio Lower Upper

75 100

77 31.9 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 22.462 ug/l

RT: 10.04 min Scan# 875

Delta R.T. -0.02 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

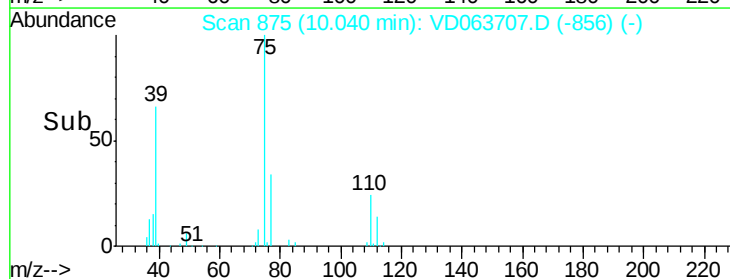
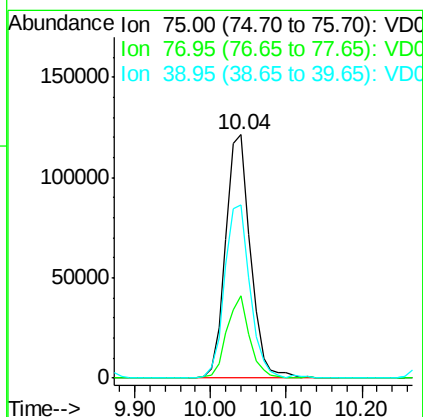
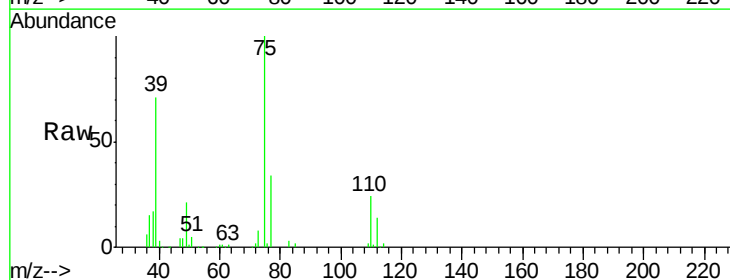
Tgt Ion: 75 Resp: 274618

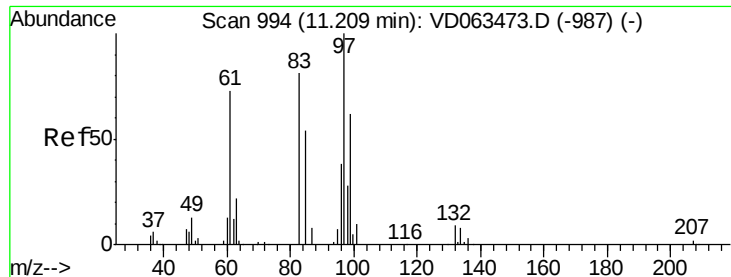
Ion Ratio Lower Upper

75 100

77 34.1 23.7 35.5

39 71.1 52.2 78.4

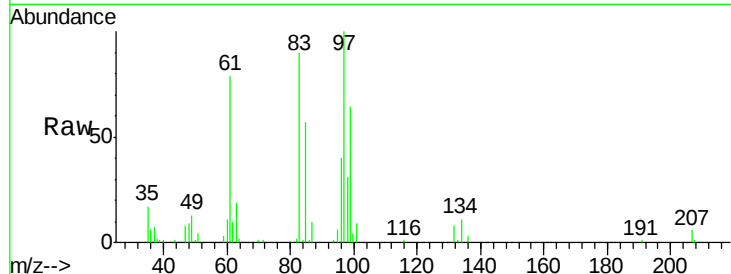




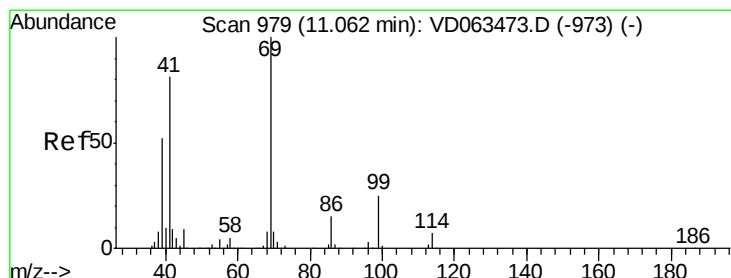
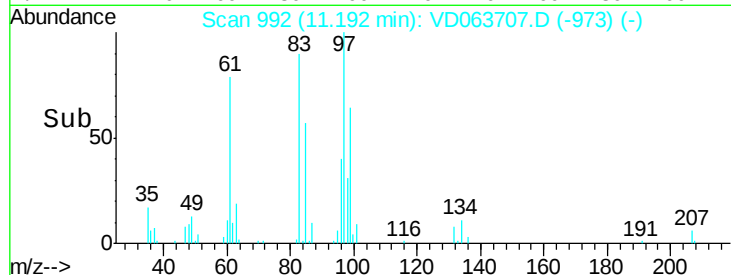
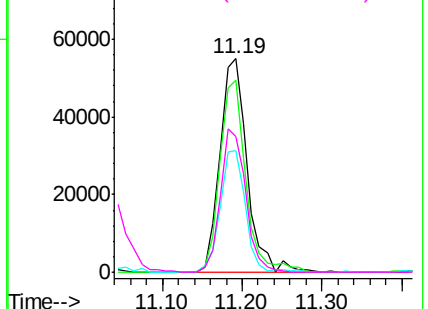
#55
 1,1,2-Trichloroethane
 Concen: 23.426 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.02 min
 Lab File: VD063707.D
 Acq: 21 Aug 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion:	97	Resp:	132744
Ion	Ratio	Lower	Upper
97	100		
83	90.0	64.7	97.1
85	56.9	42.9	64.3
99	63.8	49.7	74.5

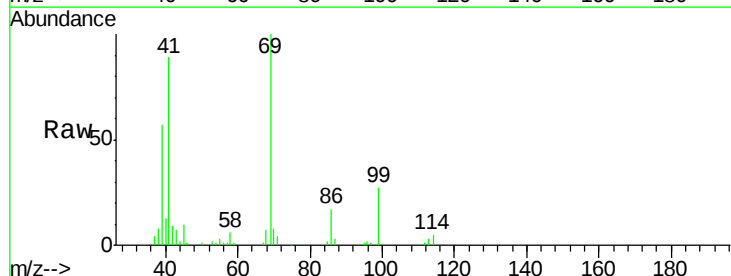


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

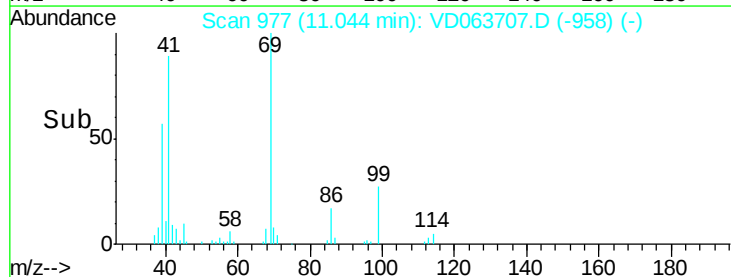
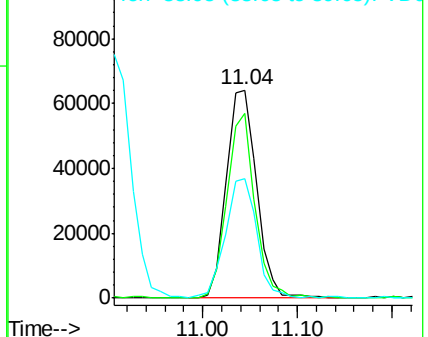


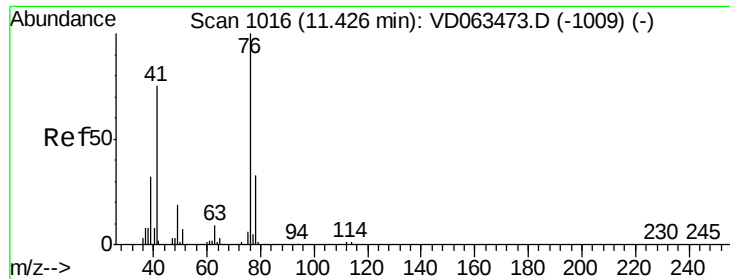
#56
 Ethyl methacrylate
 Concen: 23.088 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.02 min
 Lab File: VD063707.D
 Acq: 21 Aug 2019 12:35

Tgt Ion:	69	Resp:	142003
Ion	Ratio	Lower	Upper
69	100		
41	88.9	64.8	97.2
39	57.3	42.4	63.6



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

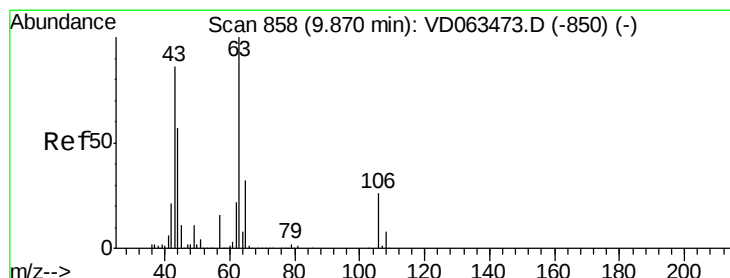
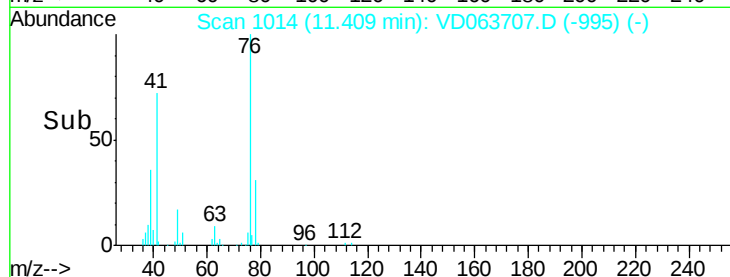
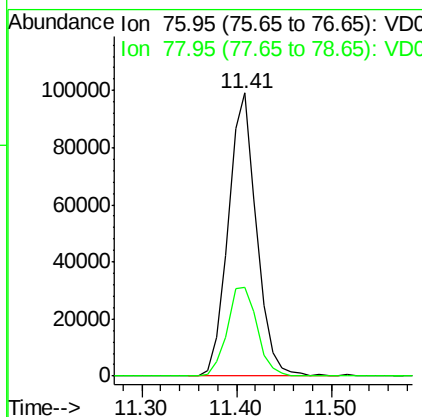
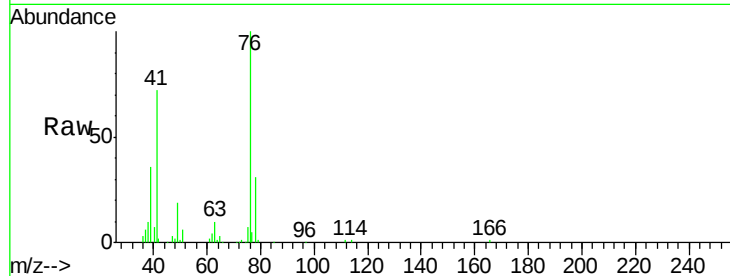




#57
 1,3-Dichloropropane
 Concen: 23.823 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.02 min
 Lab File: VD063707.D
 Acq: 21 Aug 2019 12:35

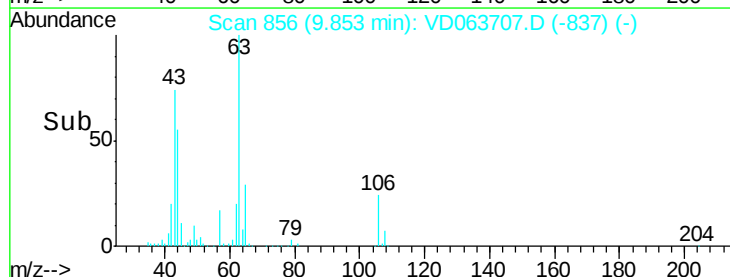
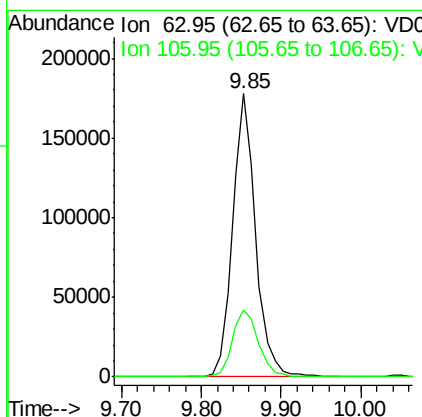
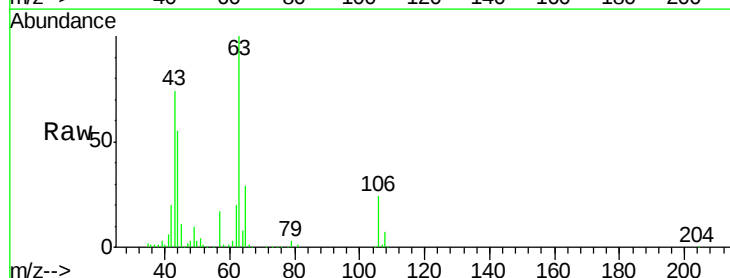
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

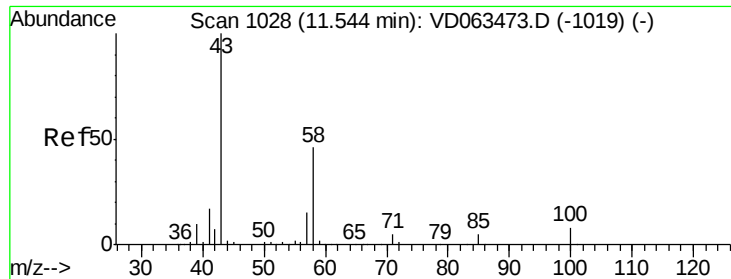
Tot Ion: 76 Resp: 204058
 Ion Ratio Lower Upper
 76 100
 78 31.3 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.916 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.02 min
 Lab File: VD063707.D
 Acq: 21 Aug 2019 12:35

Tgt Ion: 63 Resp: 356900
 Ion Ratio Lower Upper
 63 100
 106 23.6 20.8 31.2

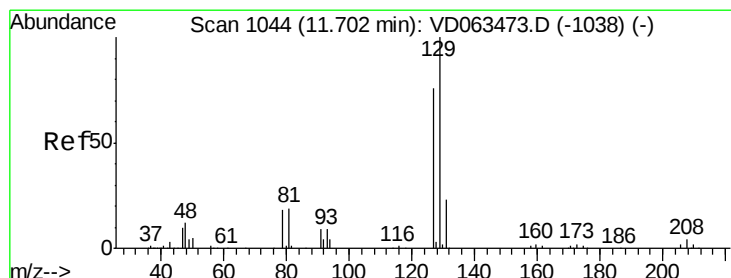
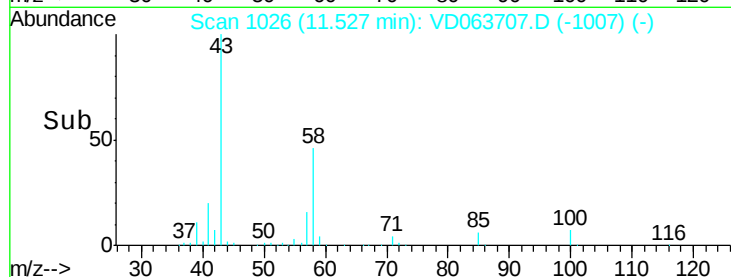
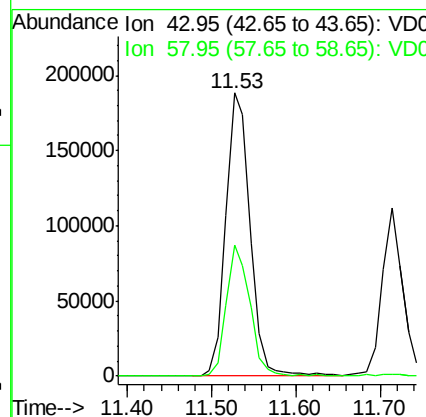
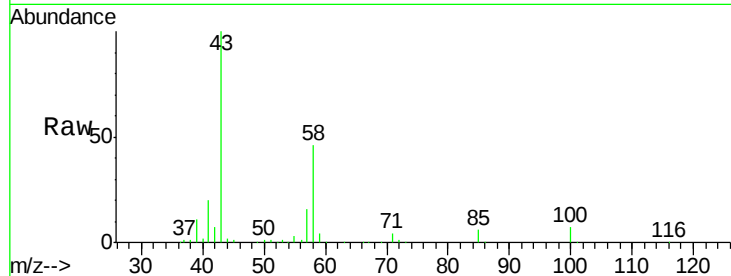




#59
2-Hexanone
Concen: 113.821 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.02 min
Lab File: VD063707.D
Acq: 21 Aug 2019 12:35

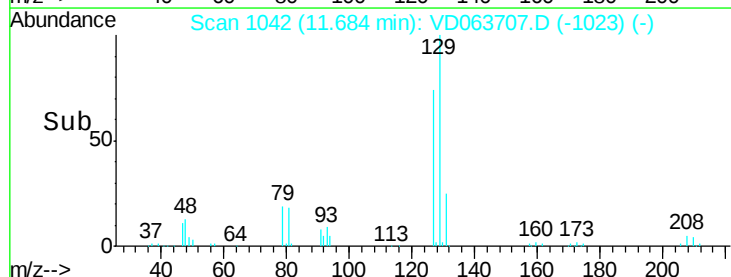
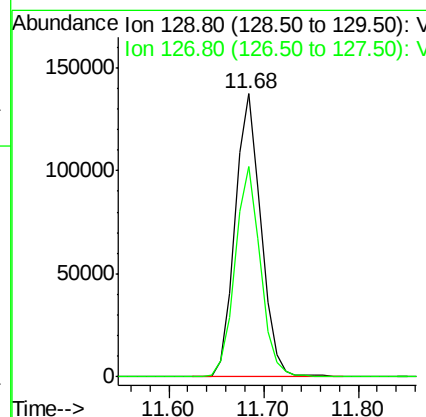
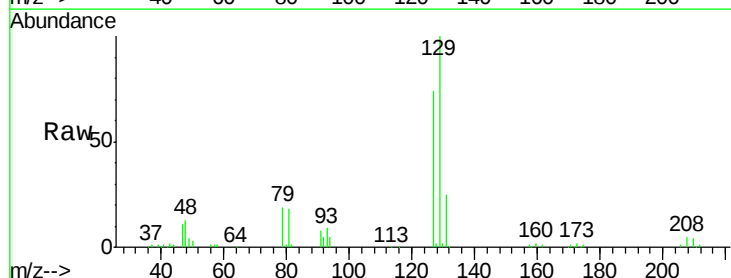
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

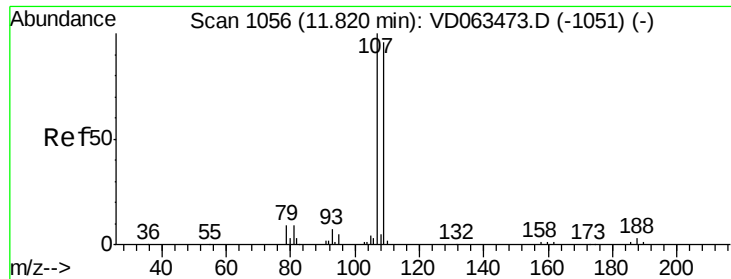
Tot Ion: 43 Resp: 376406
Ion Ratio Lower Upper
43 100
58 46.5 23.1 69.2



#60
Dibromochloromethane
Concen: 25.245 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD063707.D
Acq: 21 Aug 2019 12:35

Tgt Ion: 129 Resp: 260306
Ion Ratio Lower Upper
129 100
127 74.5 37.8 113.4

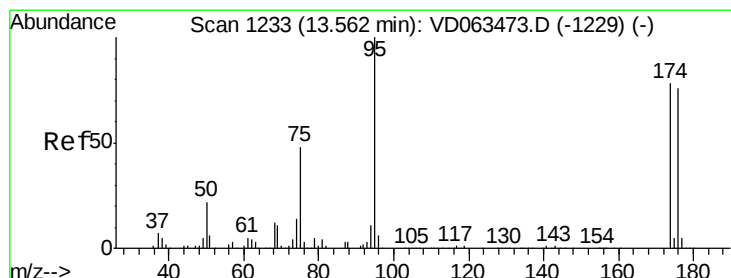
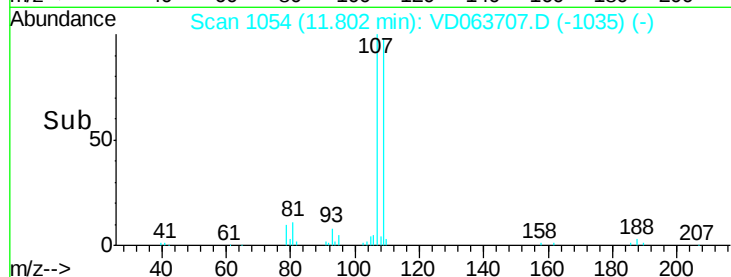
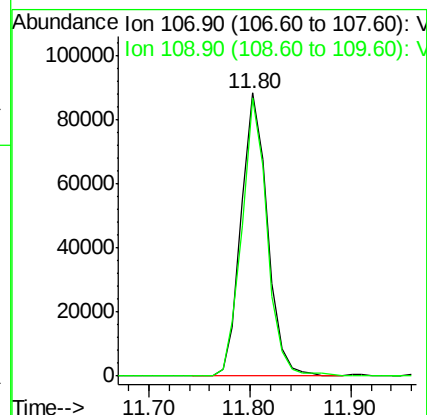
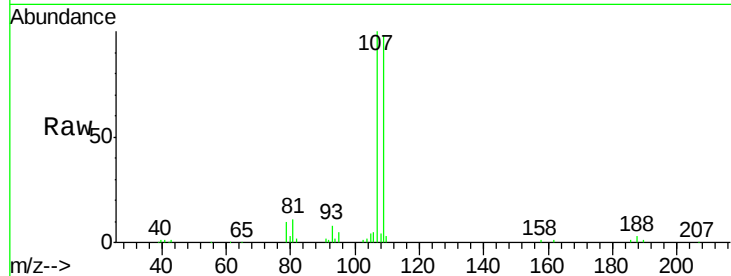




#61
 1,2-Dibromoethane
 Concen: 23.314 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: VD063707.D
 Acq: 21 Aug 2019 12:35

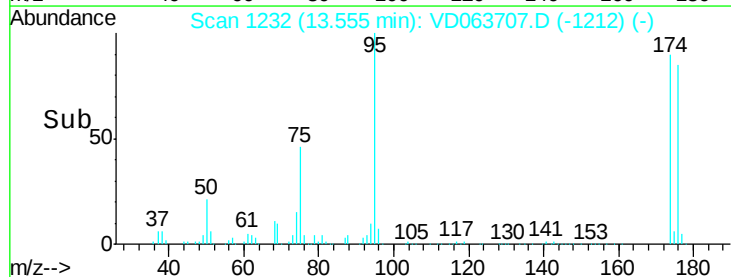
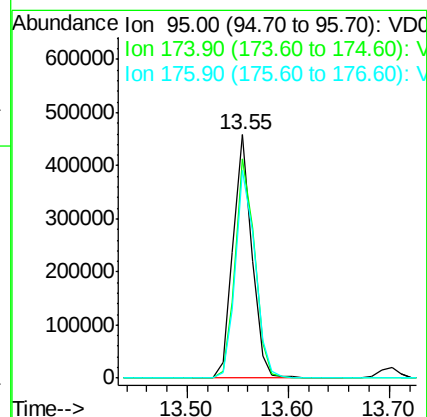
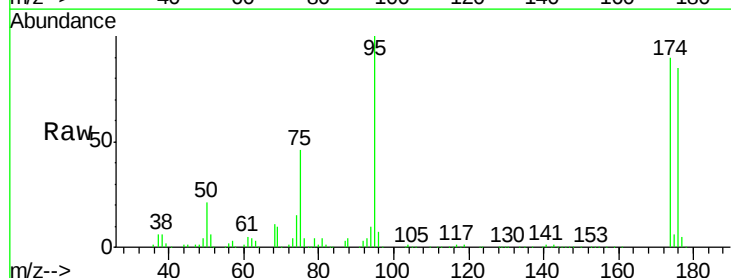
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

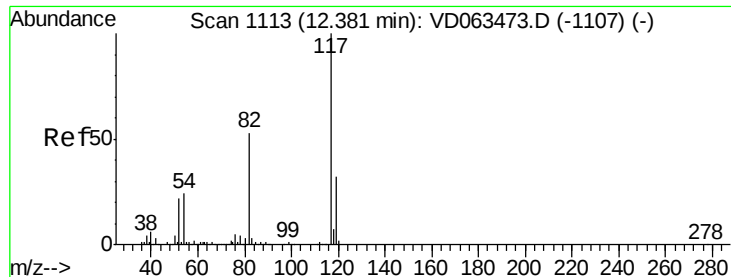
Tot Ion:107 Resp: 159932
 Ion Ratio Lower Upper
 107 100
 109 98.4 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 52.675 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD063707.D
 Acq: 21 Aug 2019 12:35

Tgt Ion: 95 Resp: 591824
 Ion Ratio Lower Upper
 95 100
 174 89.9 0.0 155.4
 176 85.2 0.0 152.4

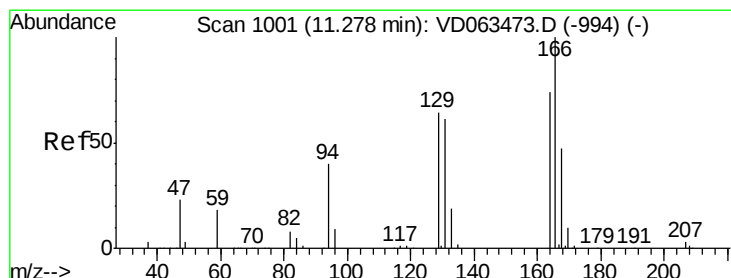
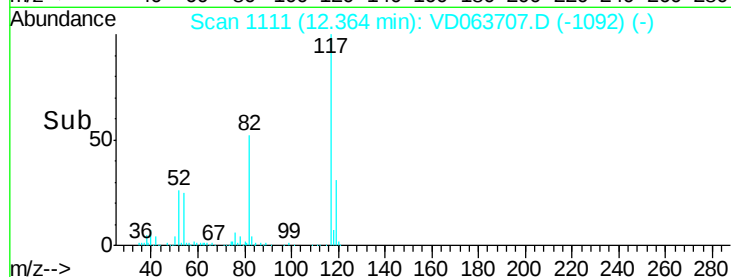
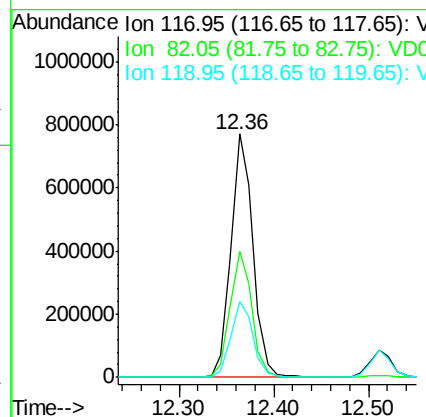
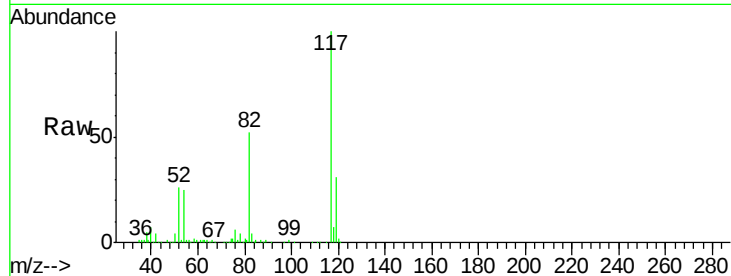




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063707.D
Acq: 21 Aug 2019 12:35

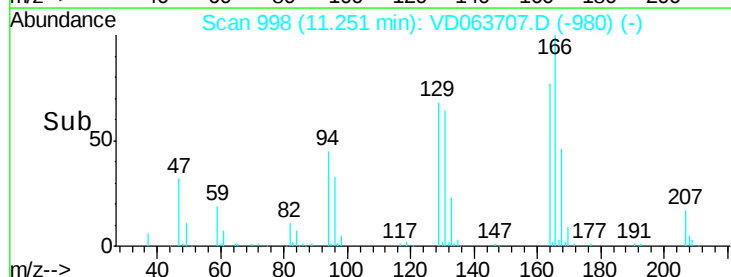
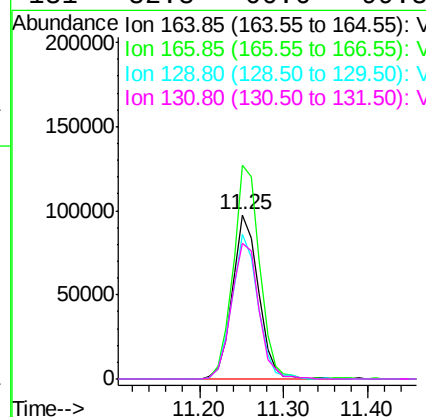
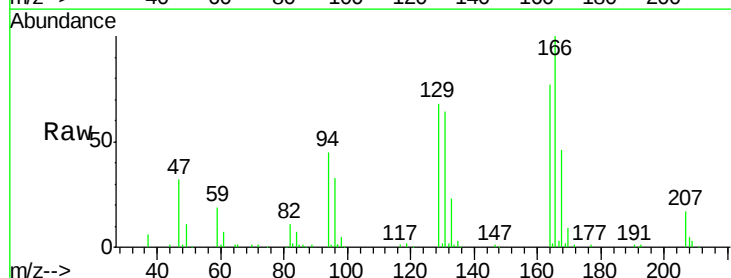
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

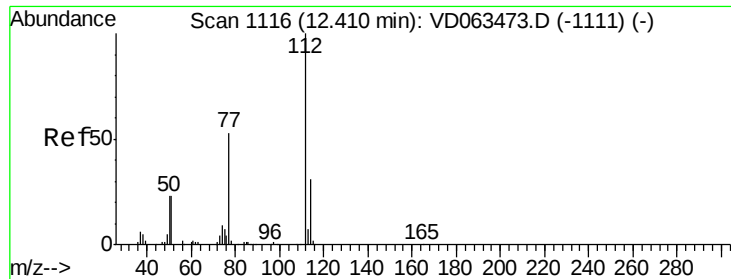
Tot Ion:117 Resp: 1229065
Ion Ratio Lower Upper
117 100
82 51.9 42.0 63.0
119 31.1 25.4 38.0



#64
Tetrachloroethene
Concen: 22.100 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.03 min
Lab File: VD063707.D
Acq: 21 Aug 2019 12:35

Tgt Ion:164 Resp: 209682
Ion Ratio Lower Upper
164 100
166 130.1 108.6 163.0
129 88.4 69.0 103.6
131 82.8 66.6 99.8





#65

Chlorobenzene

Concen: 22.810 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. -0.02 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

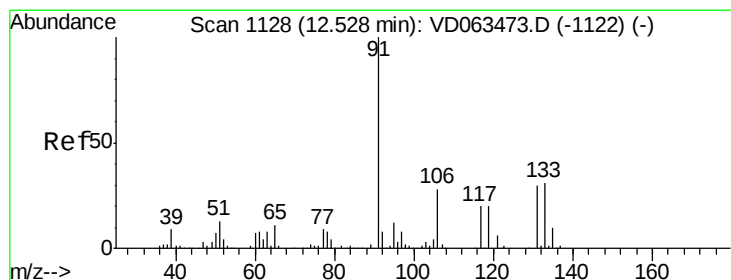
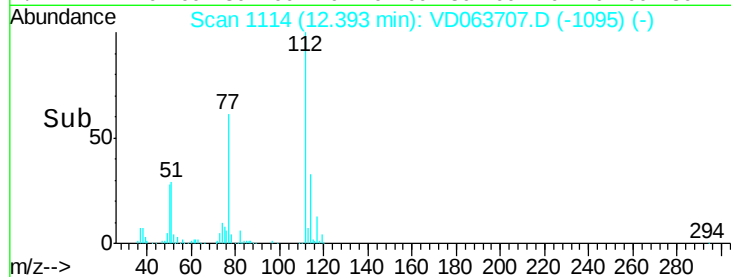
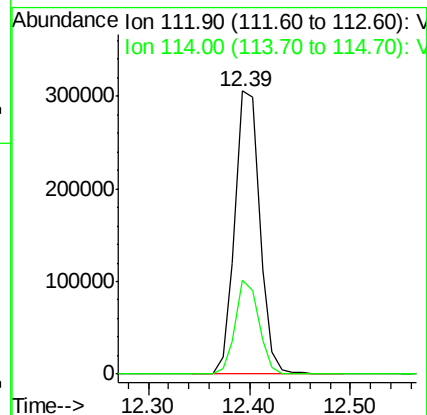
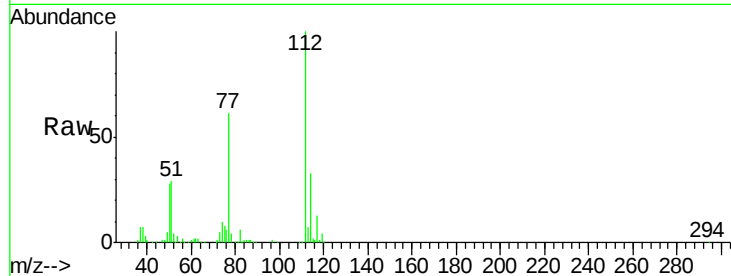
VD0821SBS01

Tot Ion:112 Resp: 525439

Ion Ratio Lower Upper

112 100

114 33.1 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 21.699 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. -0.02 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

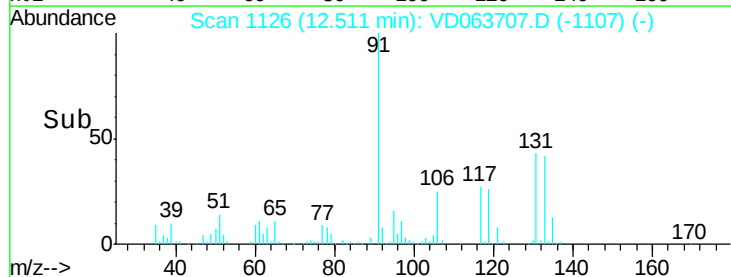
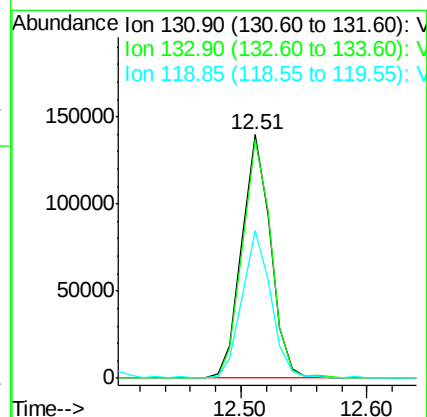
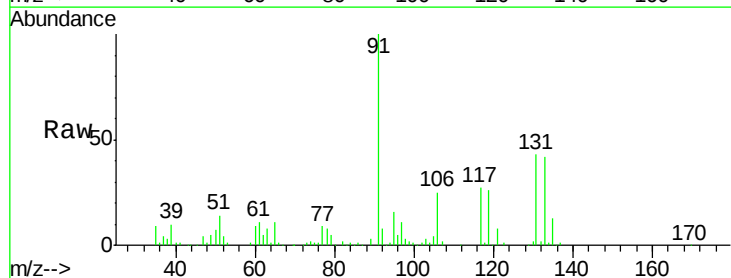
Tgt Ion:131 Resp: 219978

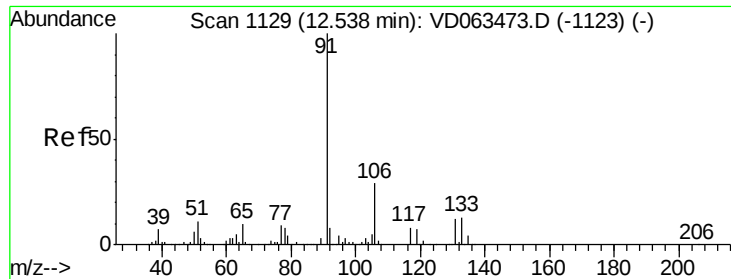
Ion Ratio Lower Upper

131 100

133 98.0 51.1 153.3

119 60.5 33.1 99.3

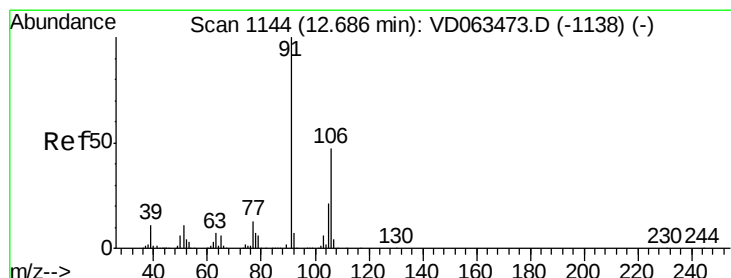
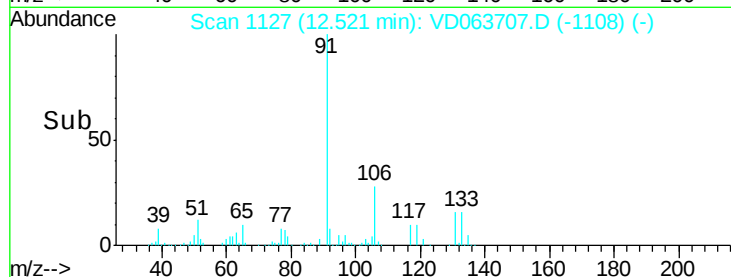
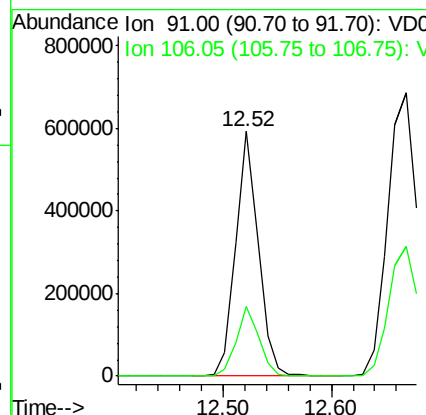
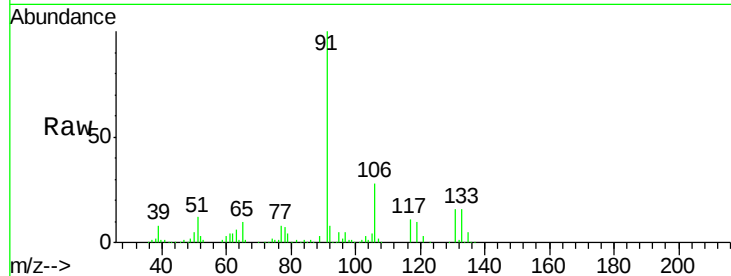




#67
Ethyl Benzene
Concen: 21.706 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD063707.D
Acq: 21 Aug 2019 12:35

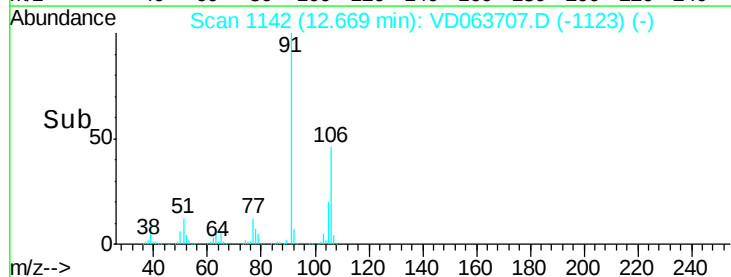
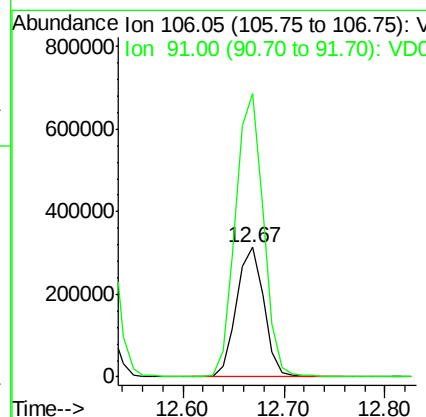
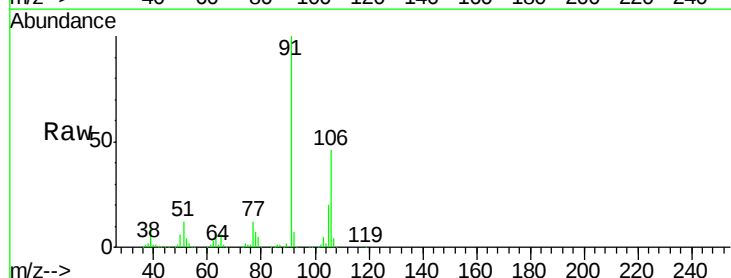
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

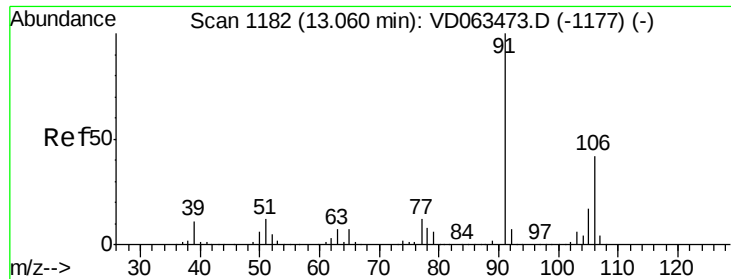
Tot Ion: 91 Resp: 869384
Ion Ratio Lower Upper
91 100
106 28.4 23.1 34.7



#68
m/p-Xylenes
Concen: 42.045 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD063707.D
Acq: 21 Aug 2019 12:35

Tgt Ion: 106 Resp: 591655
Ion Ratio Lower Upper
106 100
91 218.6 171.8 257.8

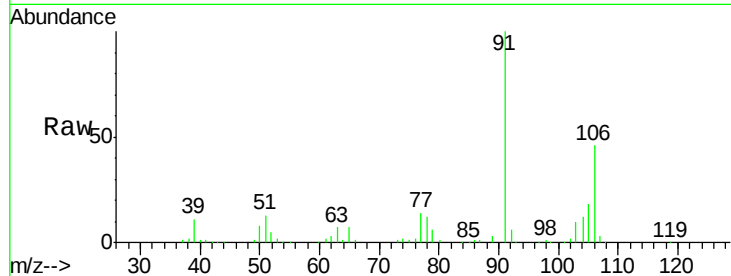




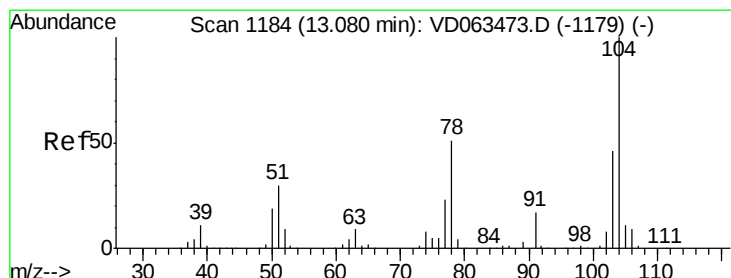
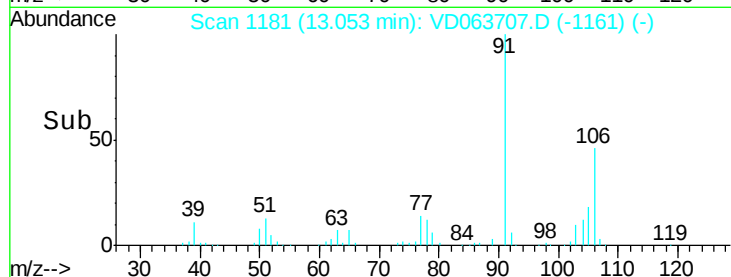
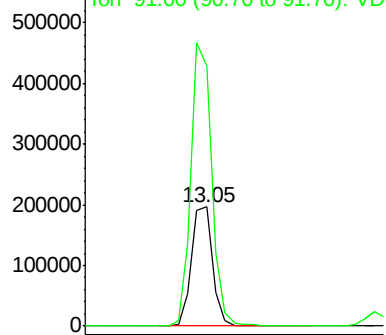
#69
o-Xylene
Concen: 22.359 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD063707.D
Acq: 21 Aug 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion:106 Resp: 302827
Ion Ratio Lower Upper
106 100
91 218.8 118.1 354.2

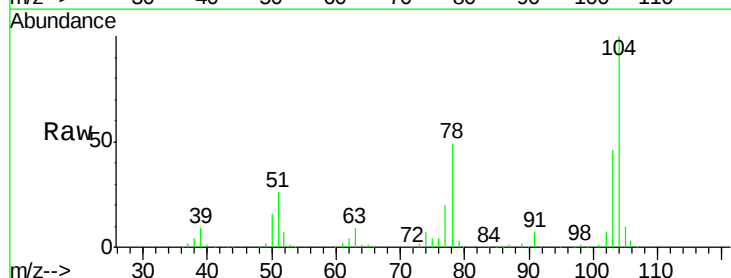


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

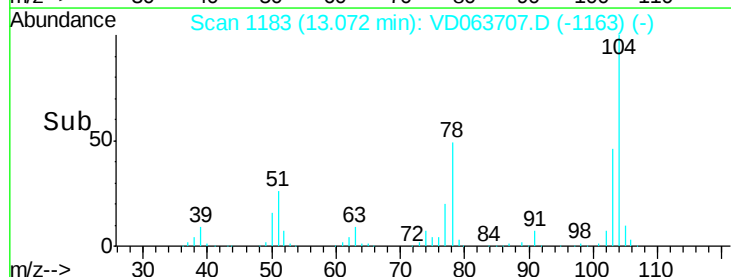
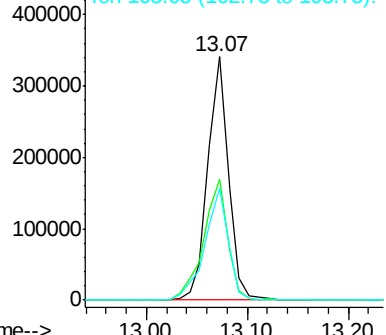


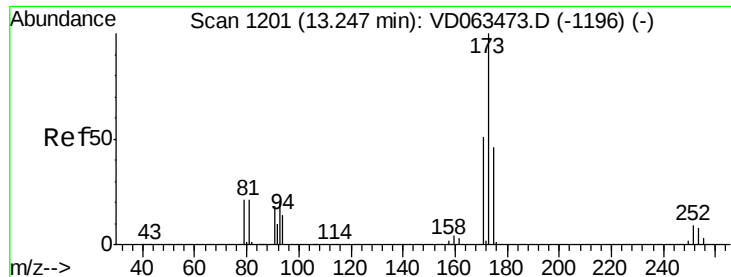
#70
Styrene
Concen: 20.208 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD063707.D
Acq: 21 Aug 2019 12:35

Tgt Ion:104 Resp: 486851
Ion Ratio Lower Upper
104 100
78 49.4 40.8 61.2
103 45.8 36.4 54.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 22.059 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.02 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

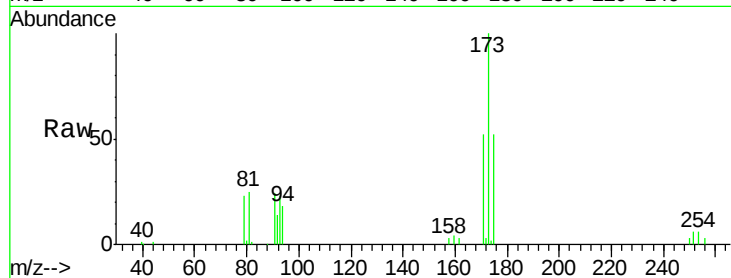
Tot Ion:173 Resp: 153341

Ion Ratio Lower Upper

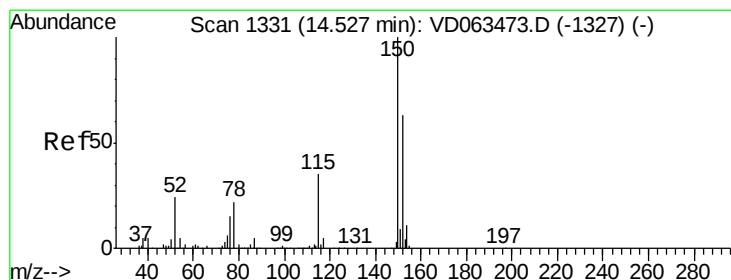
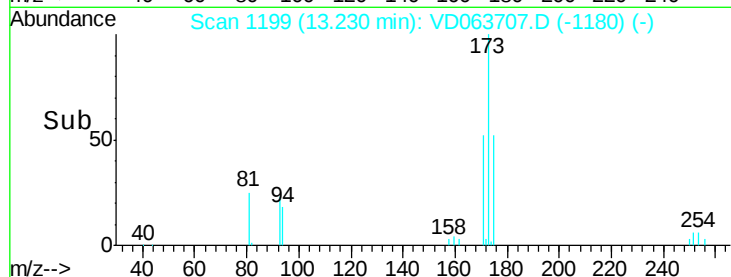
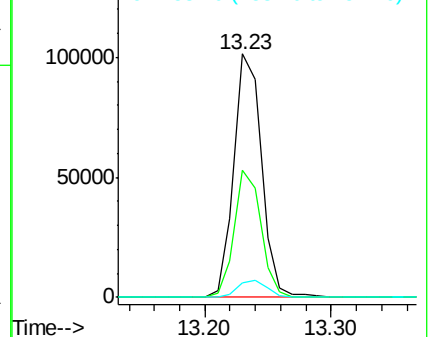
173 100

175 52.3 22.8 68.3

254 6.1 6.6 9.8#



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

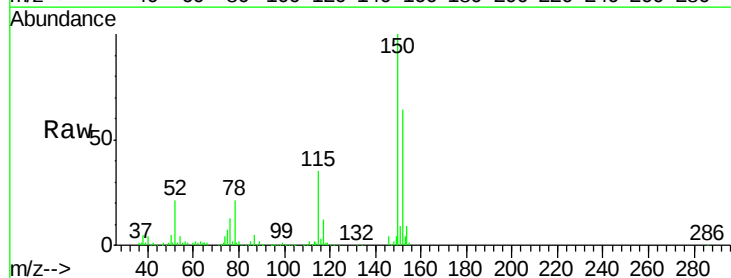
Tgt Ion:152 Resp: 564771

Ion Ratio Lower Upper

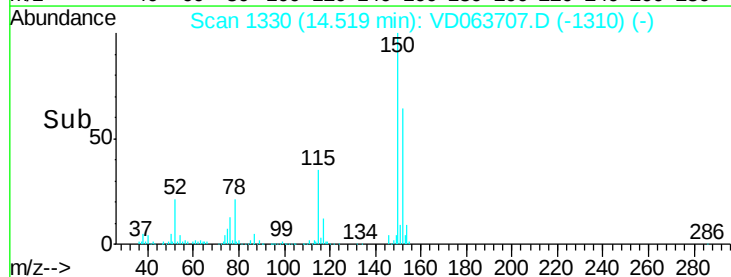
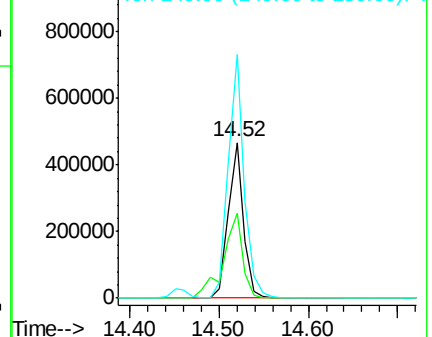
152 100

115 54.7 30.9 92.7

150 156.7 0.0 318.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 24.802 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

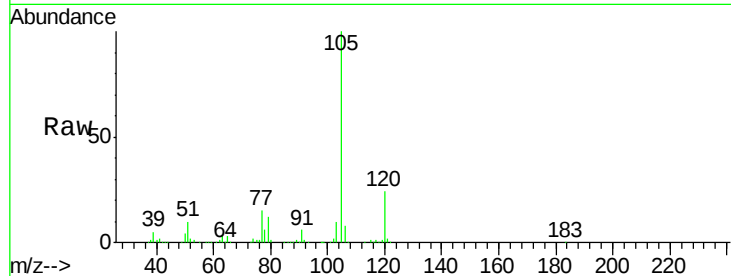
VD0821SBS01

Tot Ion:105 Resp: 890950

Ion Ratio Lower Upper

105 100

120 23.7 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

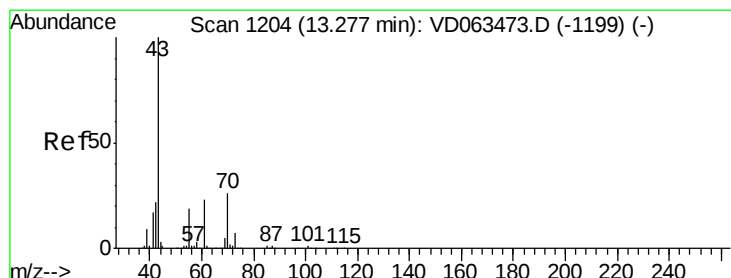
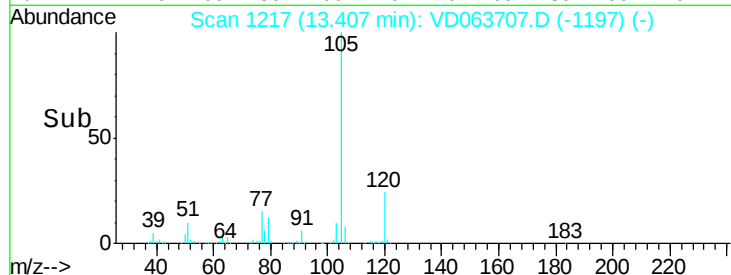
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 23.589 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

Tgt Ion: 43 Resp: 212715

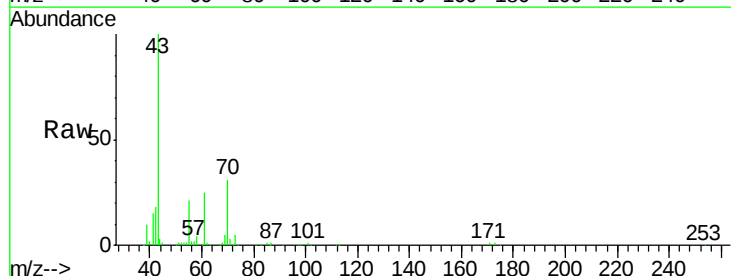
Ion Ratio Lower Upper

43 100

70 31.0 21.1 31.7

55 20.9 15.4 23.0

61 25.1 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

200000

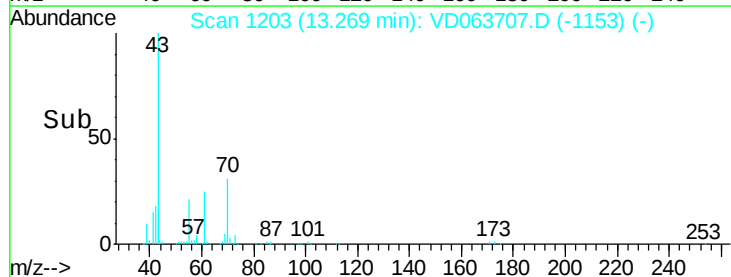
150000

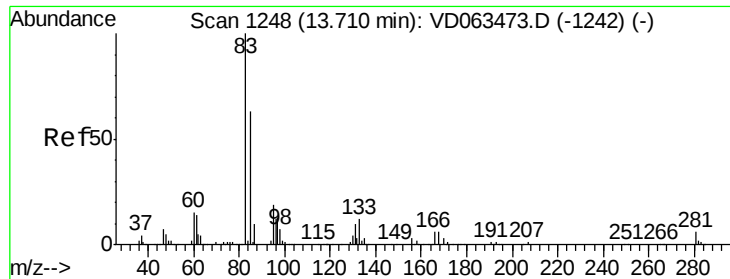
100000

50000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 25.208 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

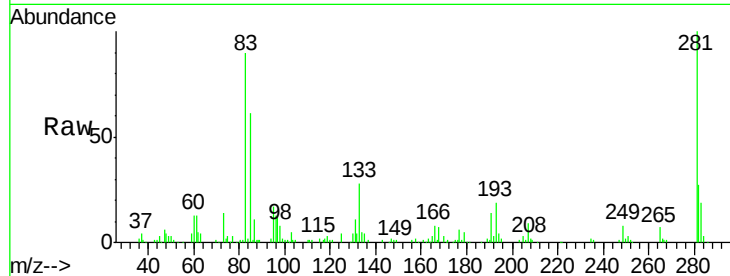
Tot Ion: 83 Resp: 150303

Ion Ratio Lower Upper

83 100

131 12.0 5.3 15.8

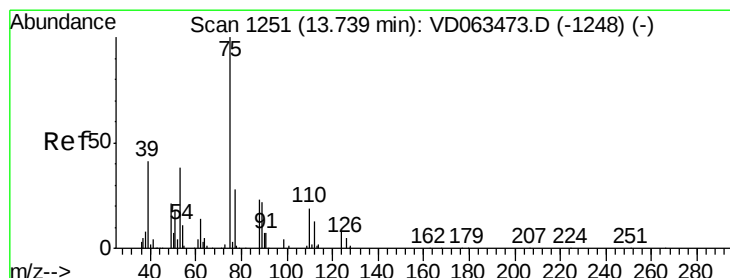
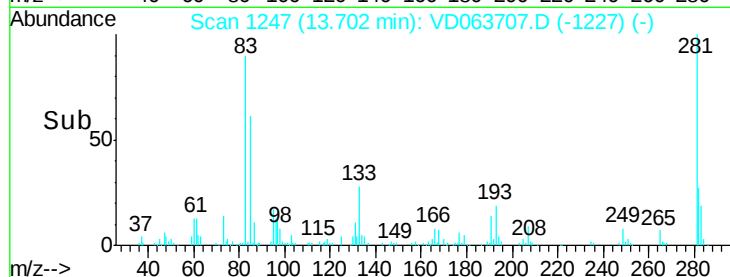
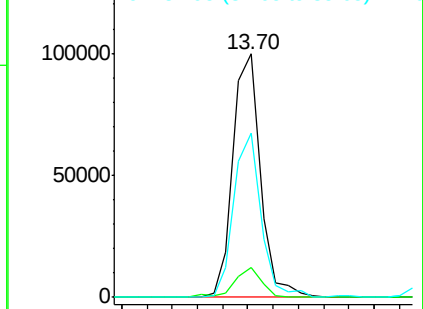
85 67.6 31.4 94.3



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 26.847 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD063707.D

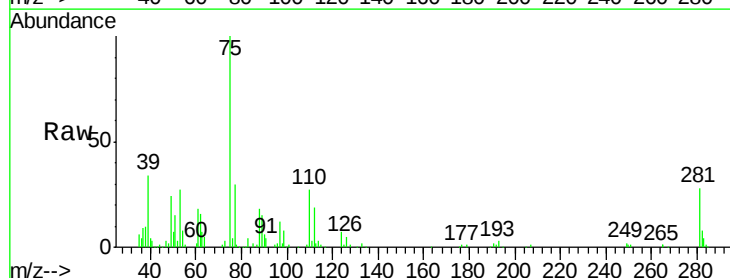
Acq: 21 Aug 2019 12:35

Tgt Ion: 75 Resp: 174013

Ion Ratio Lower Upper

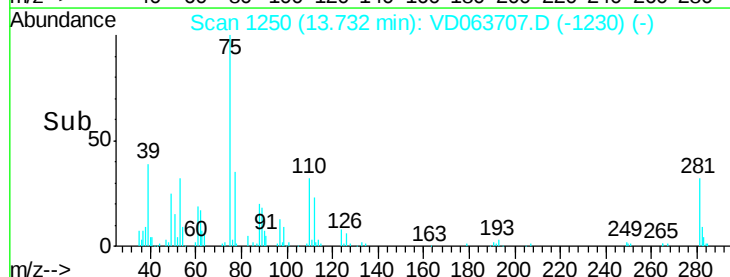
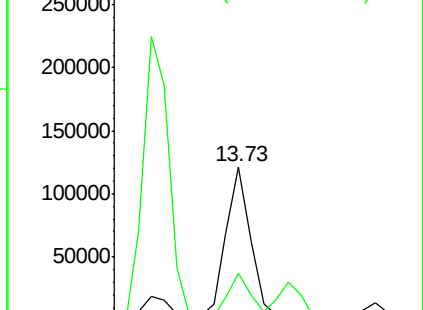
75 100

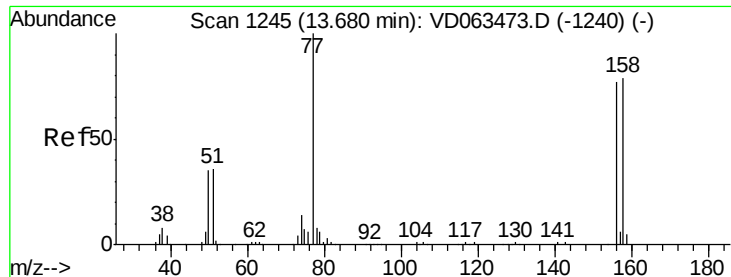
77 30.0 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 25.648 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

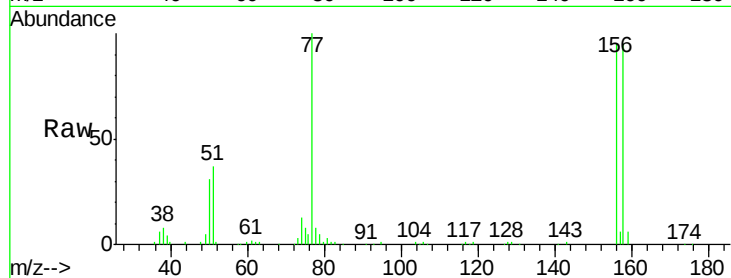
Tot Ion:156 Resp: 251805

Ion Ratio Lower Upper

156 100

77 105.1 64.6 193.8

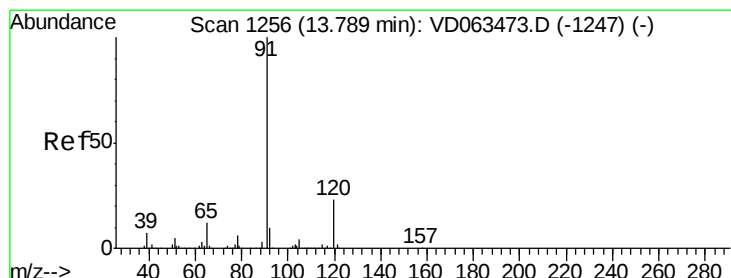
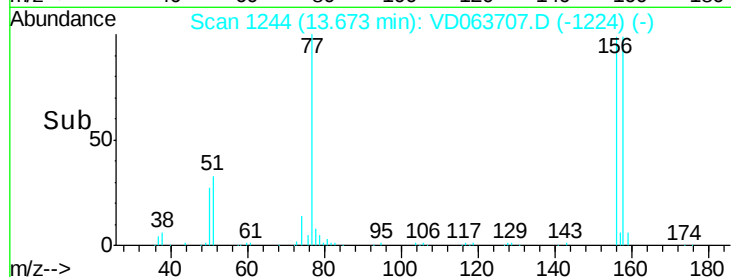
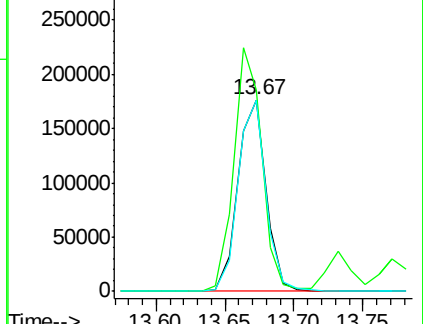
158 99.7 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 23.388 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.02 min

Lab File: VD063707.D

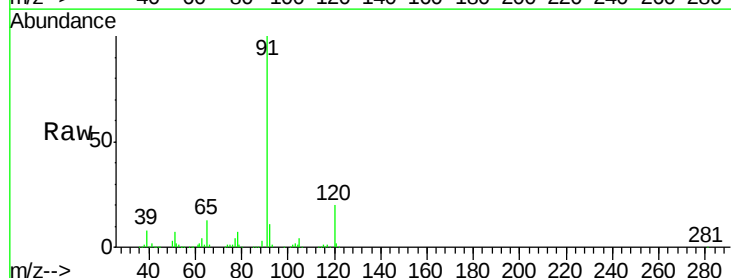
Acq: 21 Aug 2019 12:35

Tgt Ion: 91 Resp: 983023

Ion Ratio Lower Upper

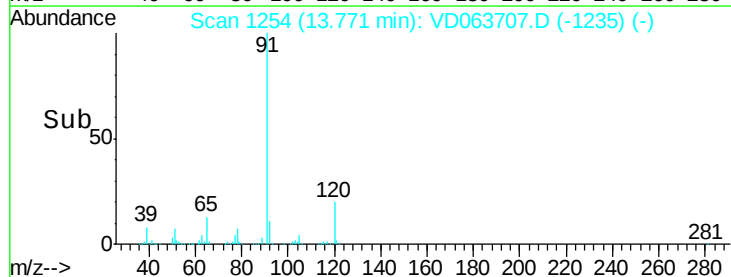
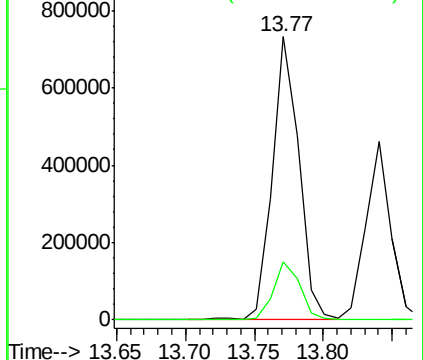
91 100

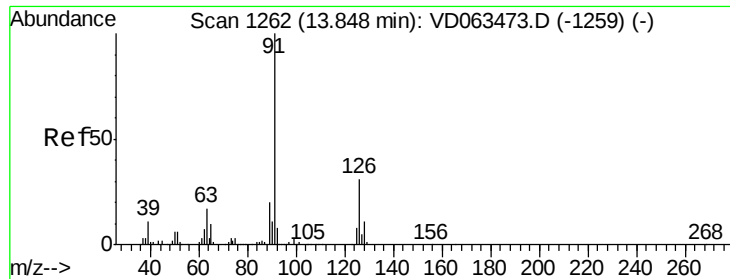
120 20.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

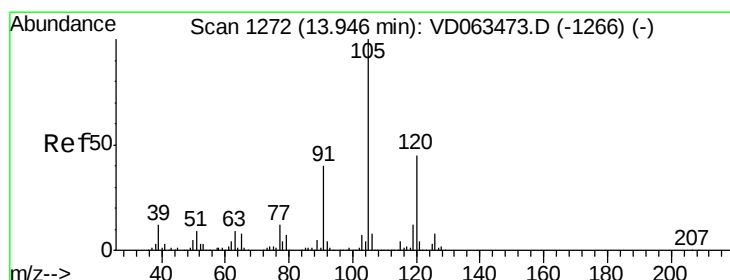
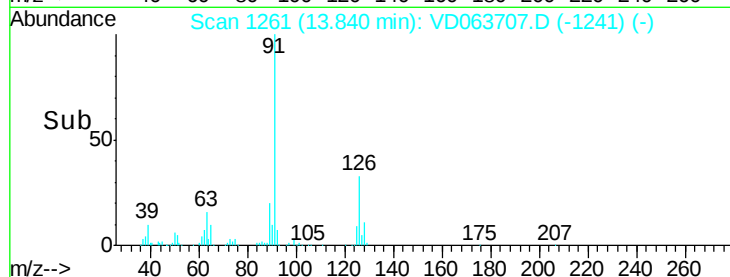
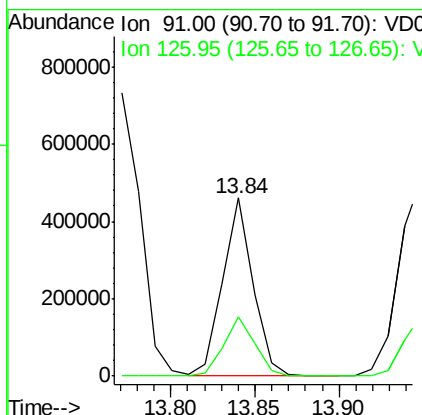
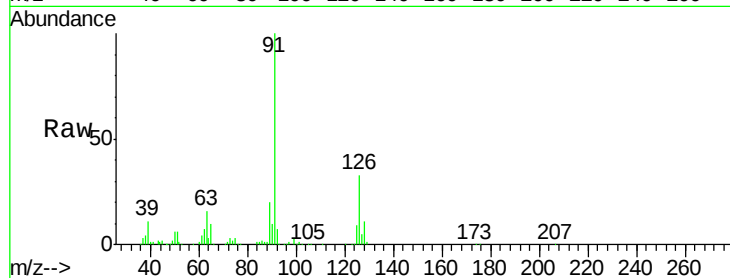




#79
 2-Chlorotoluene
 Concen: 23.837 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VD063707.D
 Acq: 21 Aug 2019 12:35

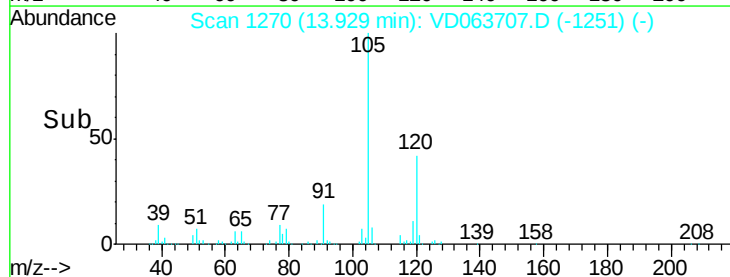
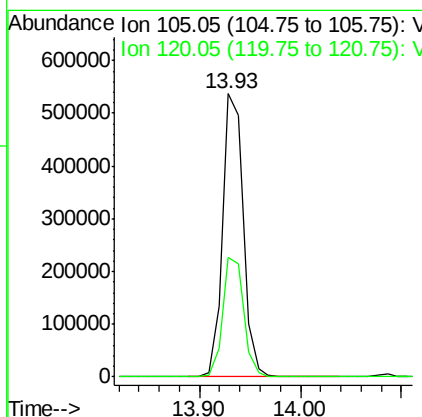
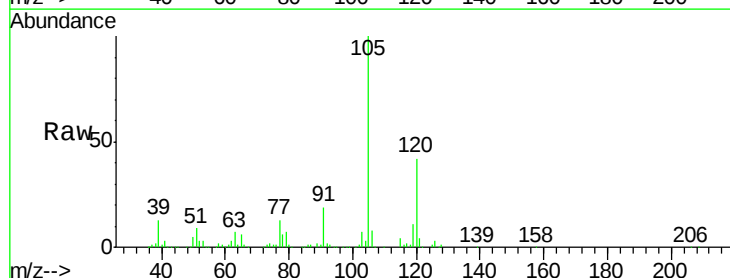
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

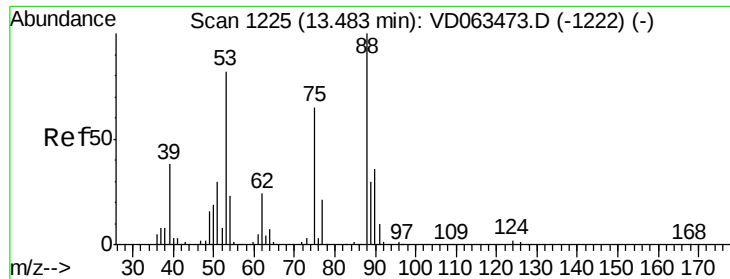
Tot Ion: 91 Resp: 577677
 Ion Ratio Lower Upper
 91 100
 126 33.4 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 24.437 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: VD063707.D
 Acq: 21 Aug 2019 12:35

Tgt Ion: 105 Resp: 767005
 Ion Ratio Lower Upper
 105 100
 120 42.5 22.8 68.3

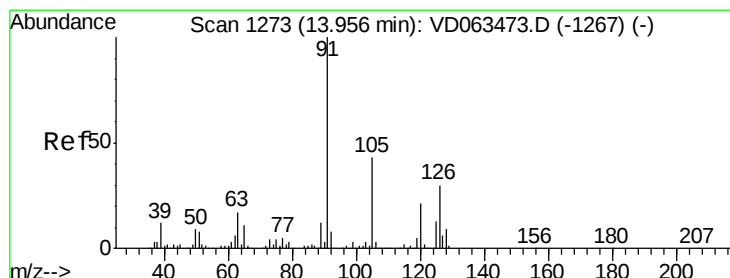
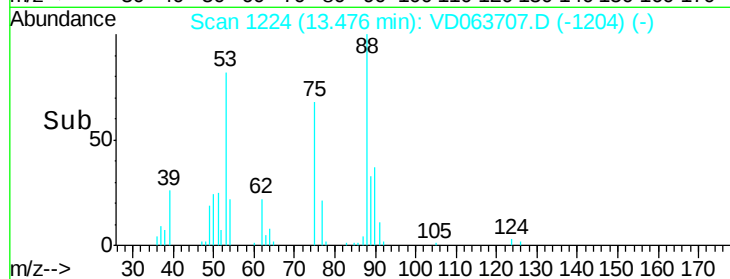
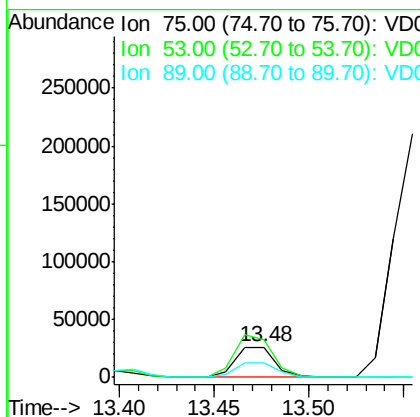
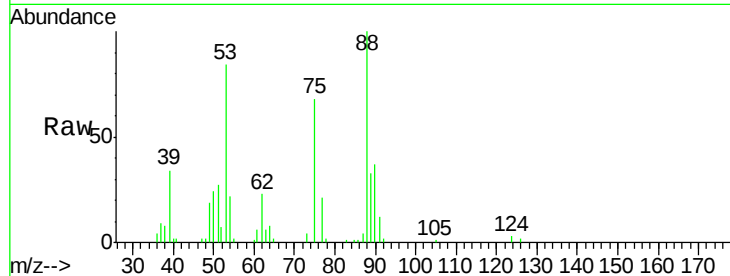




#81
trans-1,4-Dichloro-2-butene
Concen: 22.048 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD063707.D
Acq: 21 Aug 2019 12:35

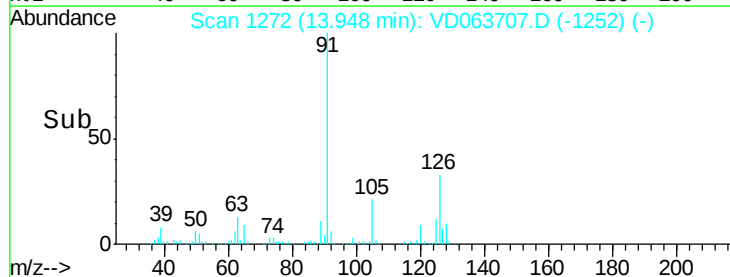
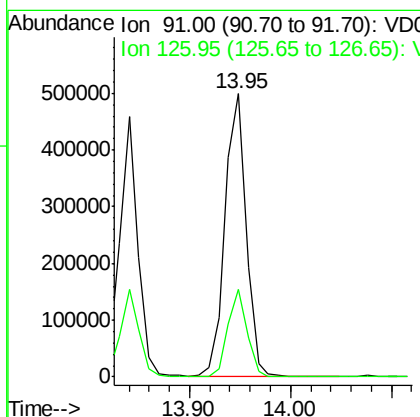
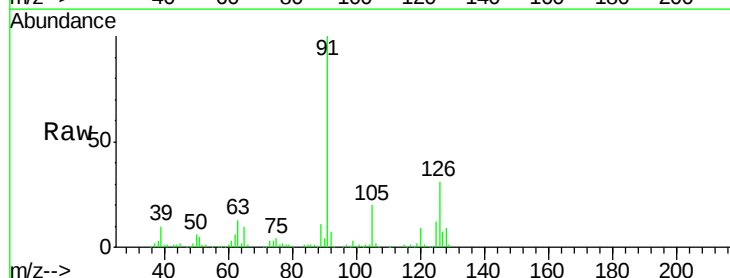
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

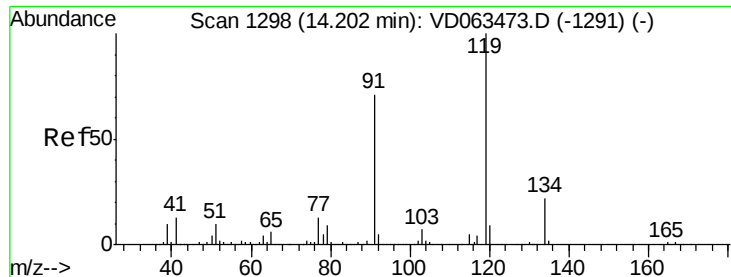
Tot Ion: 75 Resp: 38410
Ion Ratio Lower Upper
75 100
53 123.6 101.0 151.4
89 49.1 37.0 55.6



#82
4-Chlorotoluene
Concen: 24.941 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD063707.D
Acq: 21 Aug 2019 12:35

Tgt Ion: 91 Resp: 726800
Ion Ratio Lower Upper
91 100
126 31.1 15.2 45.6

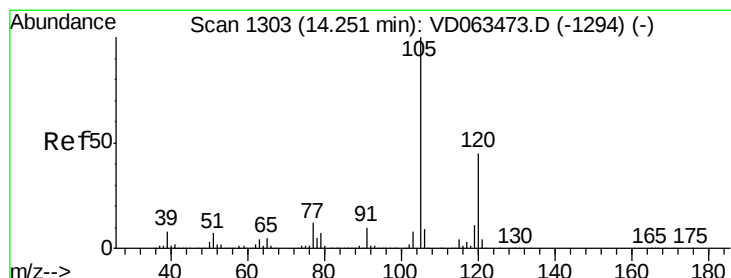
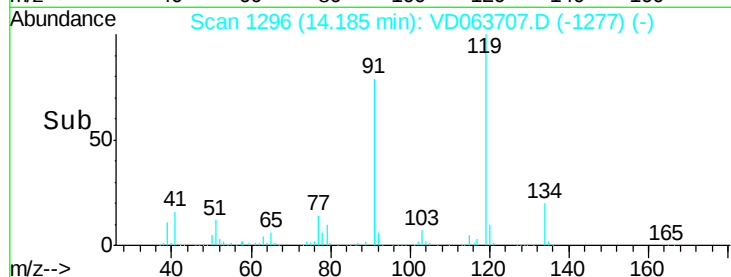
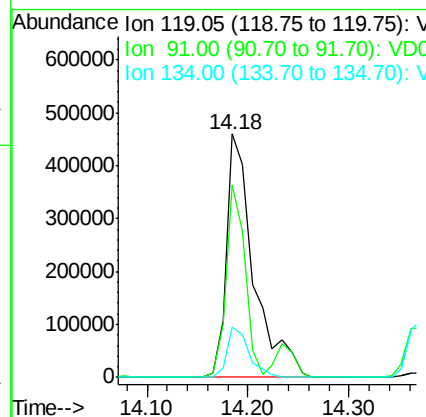
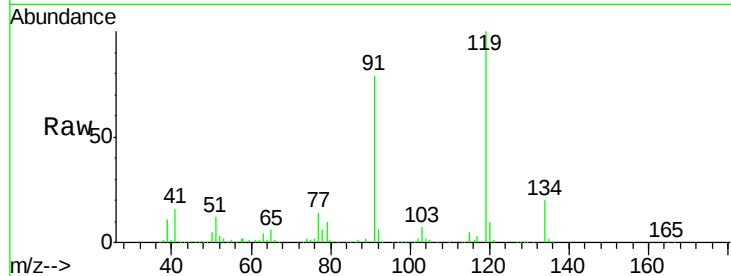




#83
tert-Butylbenzene
Concen: 26.223 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.02 min
Lab File: VD063707.D
Acq: 21 Aug 2019 12:35

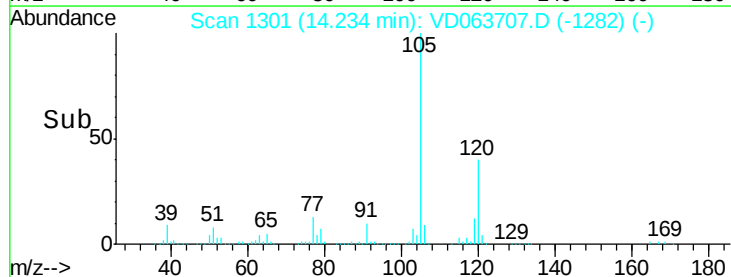
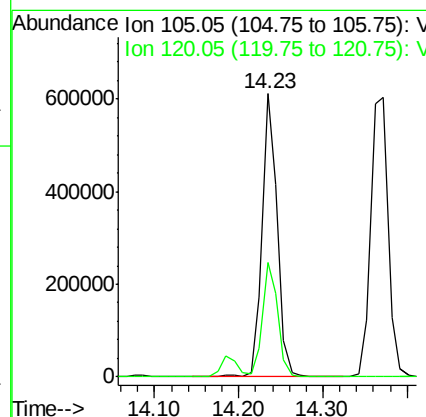
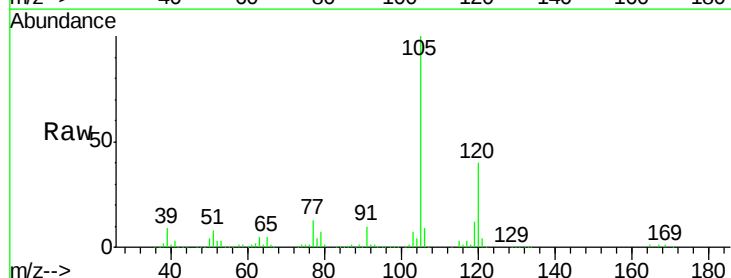
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

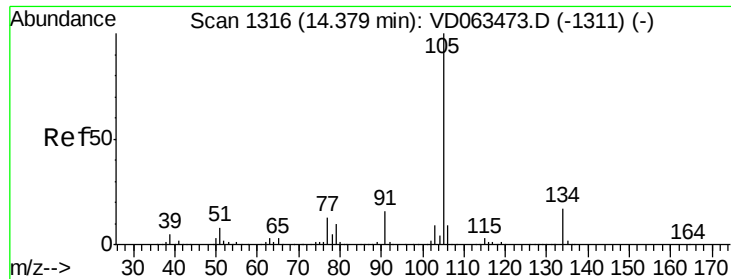
Tot Ion:119 Resp: 866709
Ion Ratio Lower Upper
119 100
91 79.1 35.5 106.7
134 20.4 11.1 33.1



#84
1,2,4-Trimethylbenzene
Concen: 26.741 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.02 min
Lab File: VD063707.D
Acq: 21 Aug 2019 12:35

Tgt Ion:105 Resp: 776597
Ion Ratio Lower Upper
105 100
120 40.4 22.7 68.1

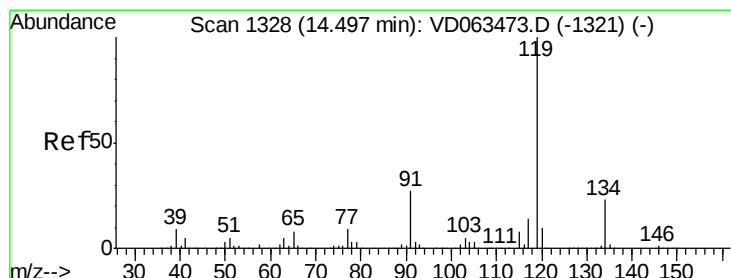
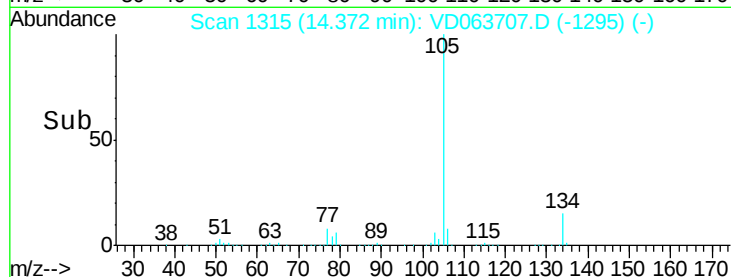
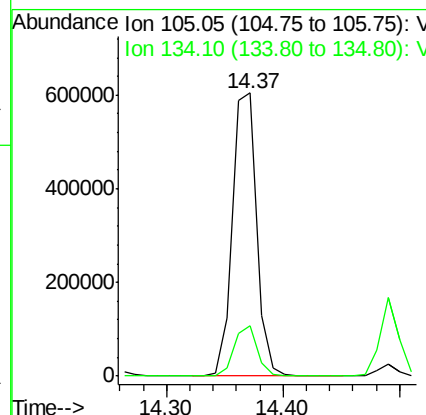
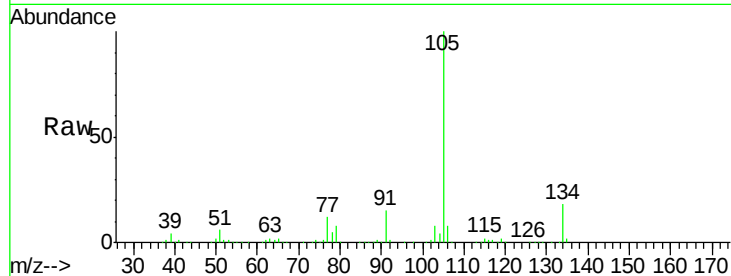




#85
 sec-Butylbenzene
 Concen: 24.812 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VD063707.D
 Acq: 21 Aug 2019 12:35

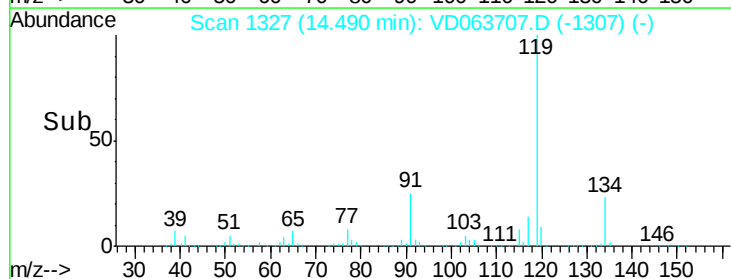
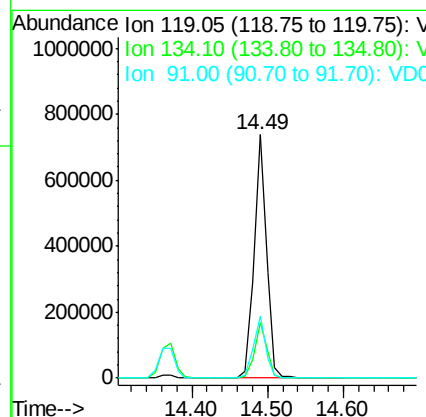
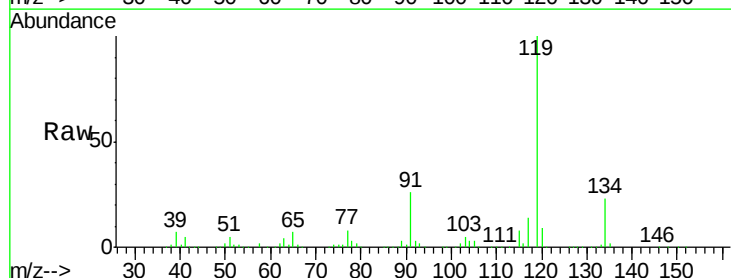
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

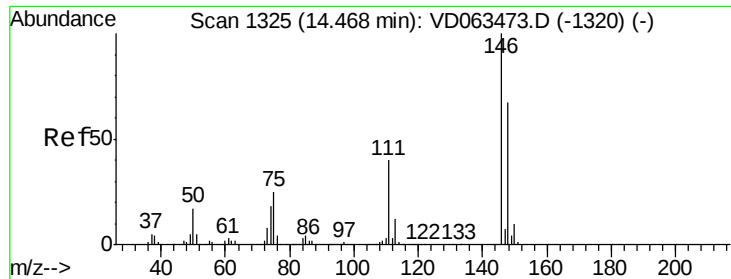
Tot Ion:105 Resp: 870885
 Ion Ratio Lower Upper
 105 100
 134 17.9 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 24.995 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD063707.D
 Acq: 21 Aug 2019 12:35

Tgt Ion:119 Resp: 838852
 Ion Ratio Lower Upper
 119 100
 134 22.7 11.3 33.8
 91 25.6 13.5 40.4





#87

1,3-Dichlorobenzene

Concen: 22.797 ug/l

RT: 14.45 min Scan# 1323

Delta R.T. -0.02 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

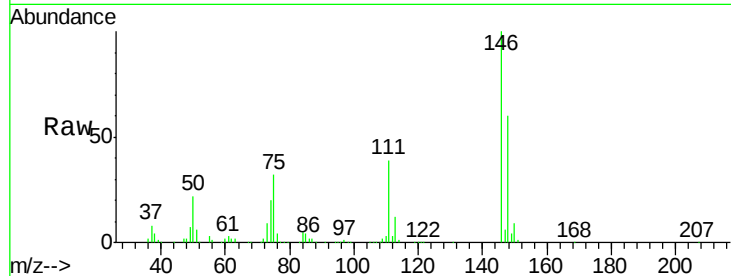
Tot Ion:146 Resp: 404839

Ion Ratio Lower Upper

146 100

111 39.1 20.0 60.0

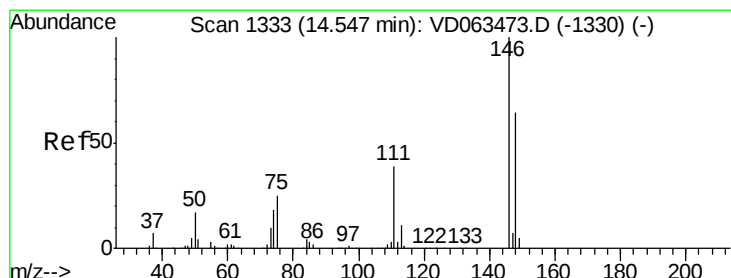
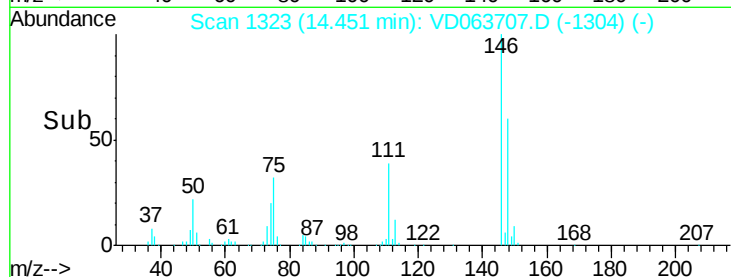
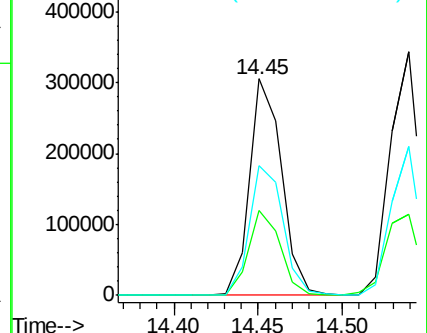
148 59.7 33.6 100.6



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



#88

1,4-Dichlorobenzene

Concen: 25.091 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. -0.01 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

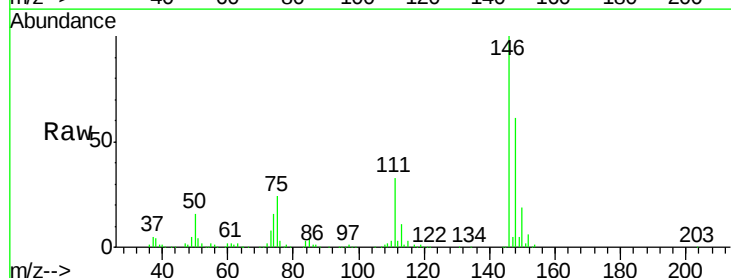
Tgt Ion:146 Resp: 427502

Ion Ratio Lower Upper

146 100

111 33.4 19.7 59.0

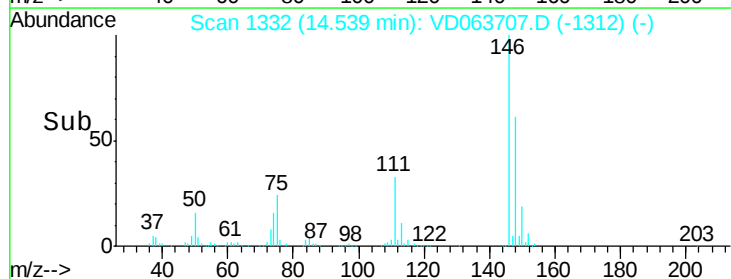
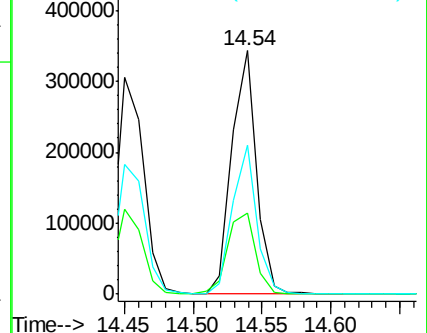
148 61.4 32.1 96.3

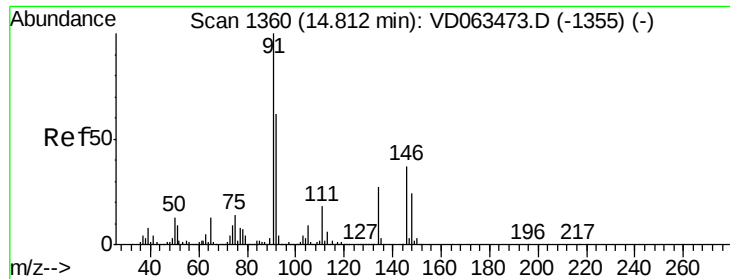


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 24.868 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

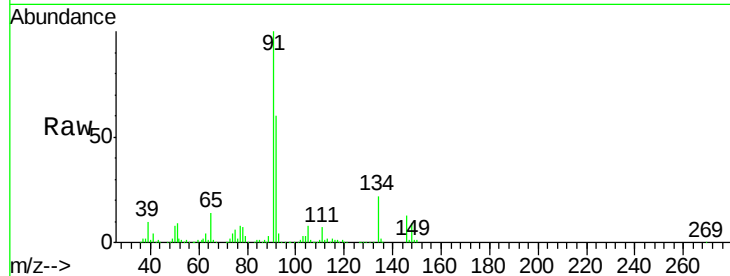
Tot Ion: 91 Resp: 761725

Ion Ratio Lower Upper

91 100

92 59.7 30.8 92.3

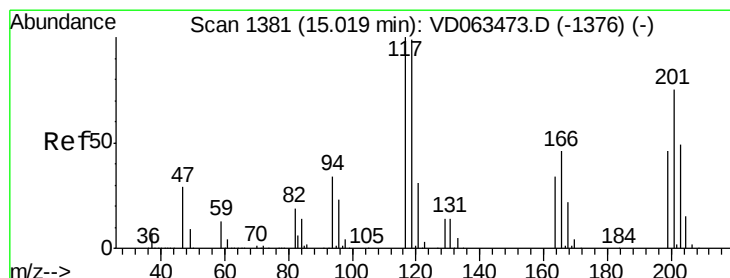
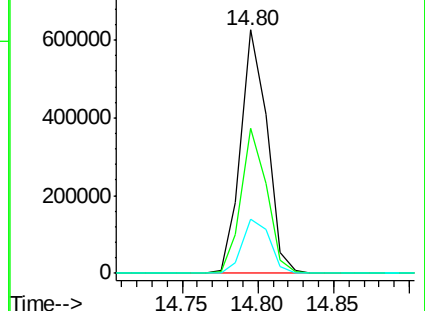
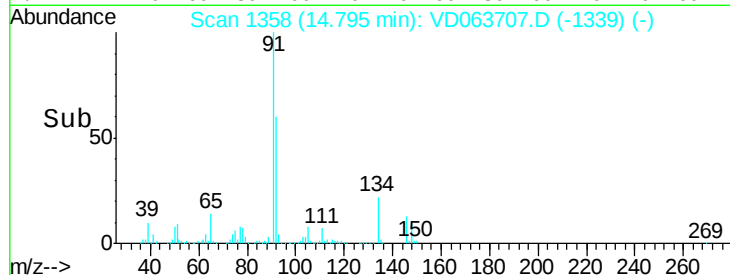
134 22.3 13.4 40.2



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: 24.475 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.02 min

Lab File: VD063707.D

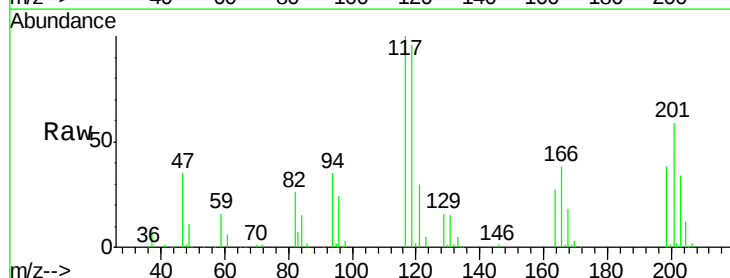
Acq: 21 Aug 2019 12:35

Tgt Ion: 117 Resp: 206456

Ion Ratio Lower Upper

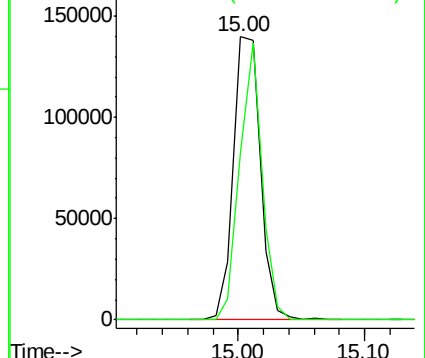
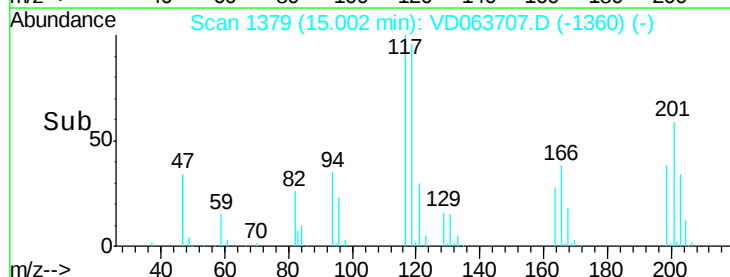
117 100

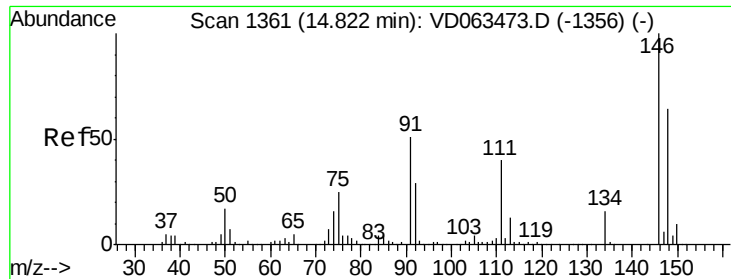
201 59.1 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

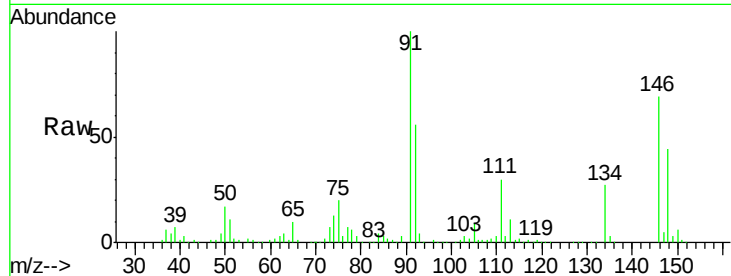




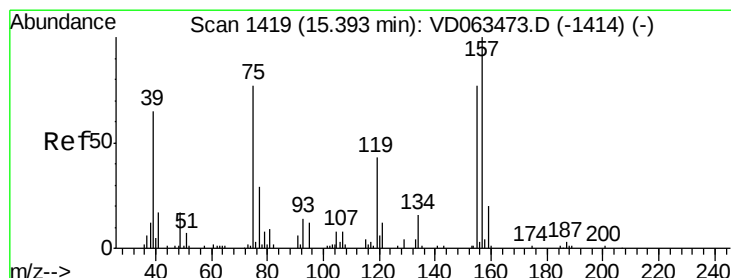
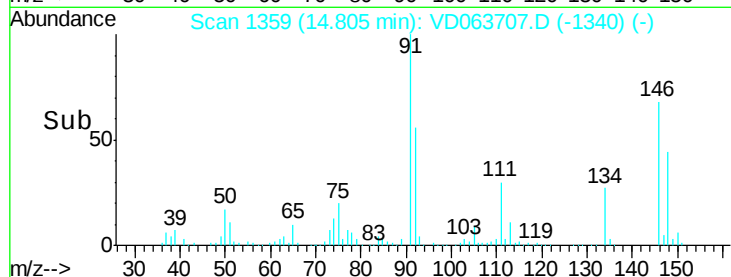
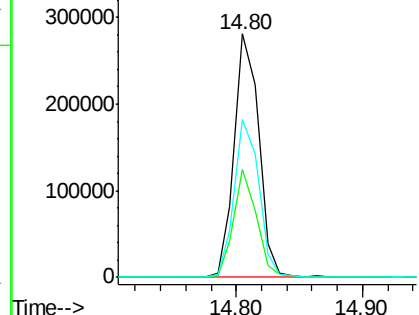
#91
 1,2-Dichlorobenzene
 Concen: 25.098 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VD063707.D
 Acq: 21 Aug 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion:146 Resp: 378144
 Ion Ratio Lower Upper
 146 100
 111 44.2 20.2 60.6
 148 64.6 32.1 96.5

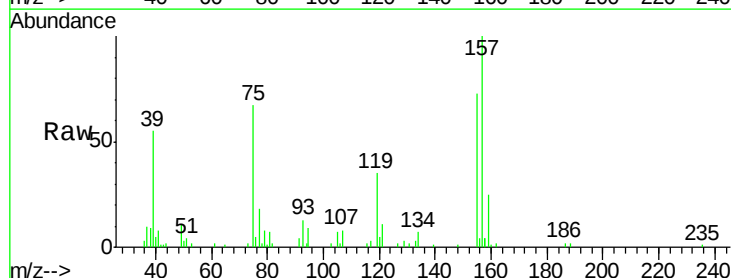


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

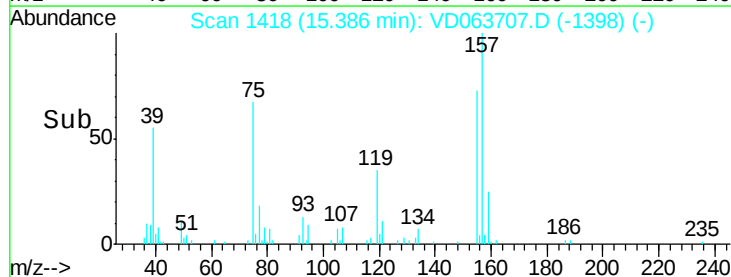
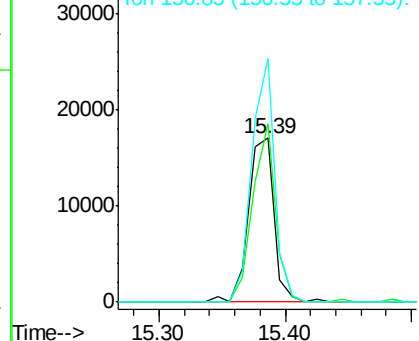


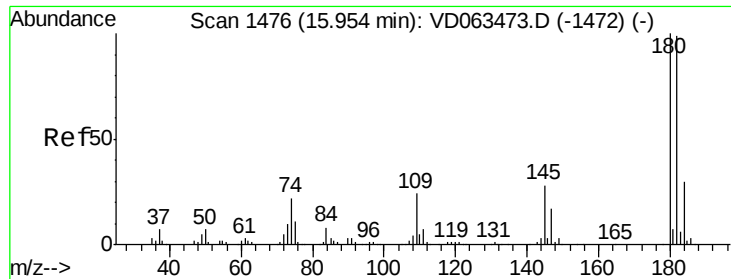
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.314 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: VD063707.D
 Acq: 21 Aug 2019 12:35

Tgt Ion: 75 Resp: 23929
 Ion Ratio Lower Upper
 75 100
 155 109.1 50.1 150.3
 157 154.5 65.0 195.1



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

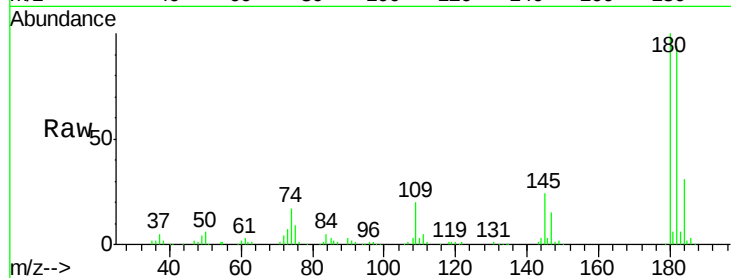




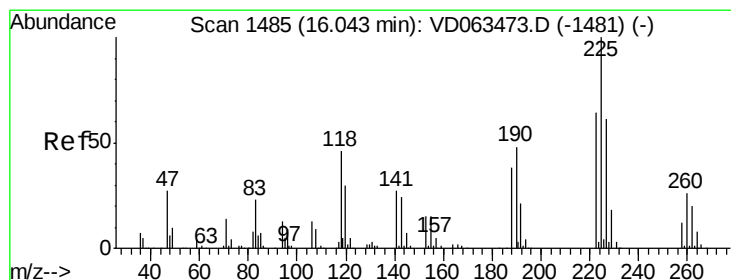
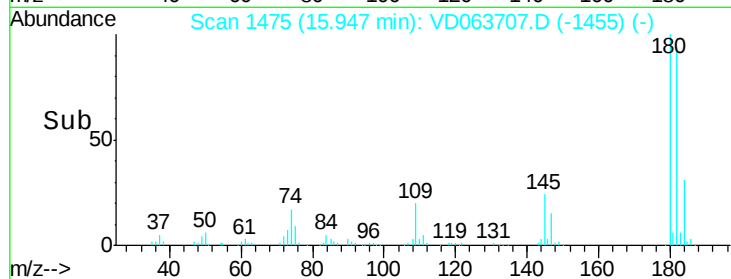
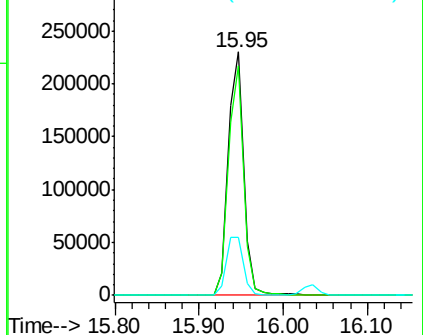
#93
 1,2,4-Trichlorobenzene
 Concen: 26.711 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063707.D
 Acq: 21 Aug 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	49.7	149.1
145	24.1	14.1	42.2

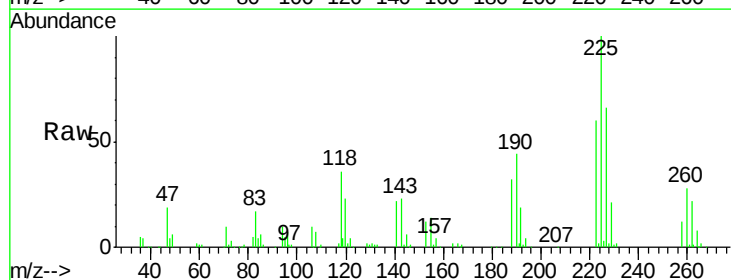


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

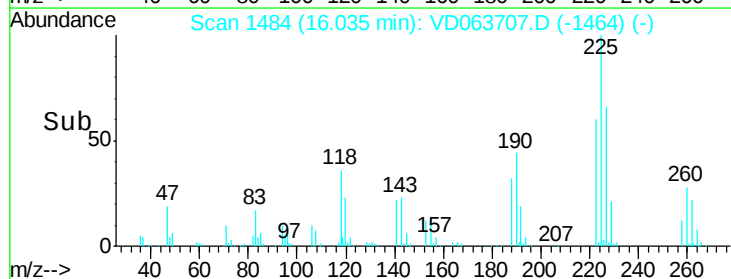
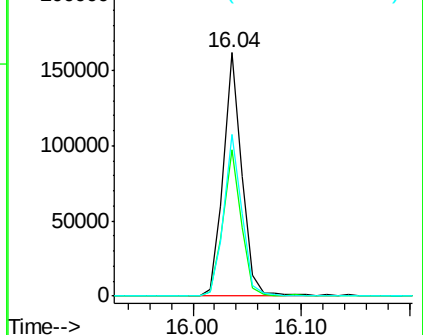


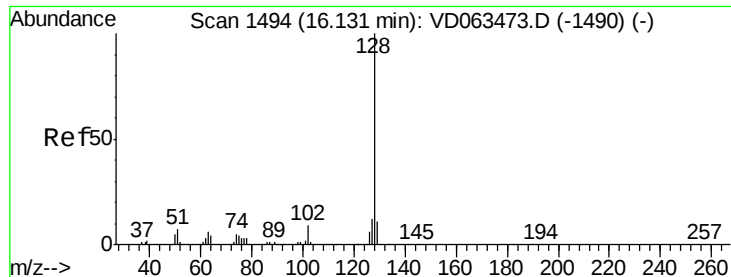
#94
 Hexachlorobutadiene
 Concen: 22.938 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD063707.D
 Acq: 21 Aug 2019 12:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.9	31.9	95.5
227	66.2	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: 22.945 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

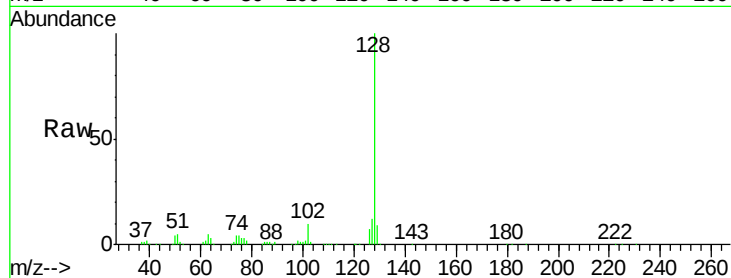
Tot Ion:128 Resp: 385507

Ion Ratio Lower Upper

128 100

127 11.9 9.4 14.0

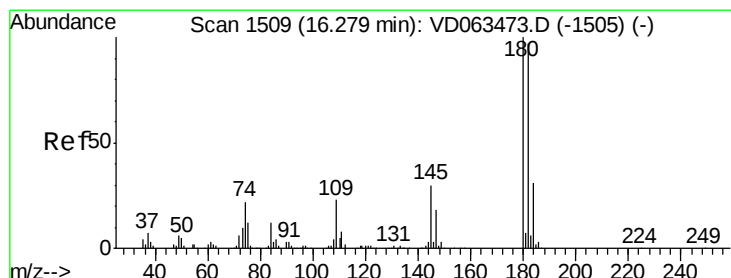
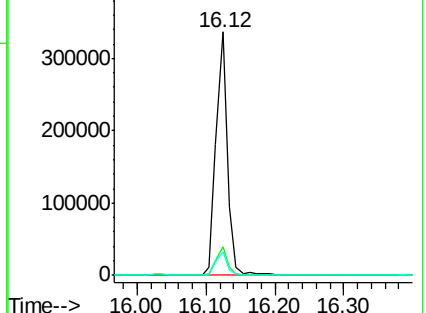
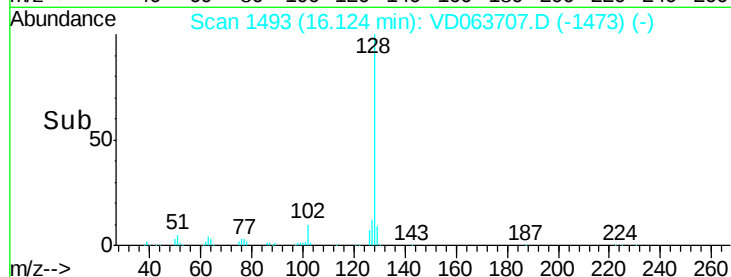
129 9.4 8.5 12.7



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: 26.877 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.01 min

Lab File: VD063707.D

Acq: 21 Aug 2019 12:35

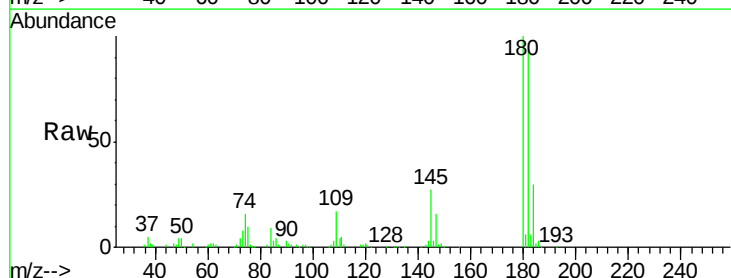
Tgt Ion:180 Resp: 240667

Ion Ratio Lower Upper

180 100

182 92.6 48.4 145.2

145 27.3 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

