

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101519\
 Data File : VD063965.D
 Acq On : 15 Oct 2019 12:03
 Operator : VA/SY
 Sample : VD1015SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

Quant Time: Oct 16 02:13:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	188672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	292052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	285053	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	152575	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	88435	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	
35) Dibromofluoromethane	7.91	113	91862	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
50) Toluene-d8	10.34	98	386992	53.42	ug/l	0.00
Spiked Amount			Recovery	=	106.84%	
62) 4-Bromofluorobenzene	12.63	95	125560	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	26674	19.936	ug/l	96
3) Chloromethane	2.21	50	85441	21.109	ug/l	95
4) Vinyl Chloride	2.35	62	98270	22.724	ug/l	96
5) Bromomethane	2.76	94	56687	20.390	ug/l	95
6) Chloroethane	2.92	64	62597	21.888	ug/l #	88
7) Trichlorofluoromethane	3.27	101	135639	23.723	ug/l	98
8) Diethyl Ether	3.71	74	19537	21.289	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.08	101	33264	21.017	ug/l	95
10) Methyl Iodide	4.29	142	38513	17.660	ug/l	100
11) Tert butyl alcohol	5.23	59	2474	11.744	ug/l #	24
12) 1,1-Dichloroethene	4.06	96	32008	20.242	ug/l	95
13) Acrolein	3.92	56	10883	66.336	ug/l	94
14) Allyl chloride	4.71	41	51103	19.439	ug/l	98
15) Acrylonitrile	5.43	53	42208	104.318	ug/l	97
16) Acetone	4.16	43	40399	84.475	ug/l	100
17) Carbon Disulfide	4.40	76	105308	18.321	ug/l #	94
18) Methyl Acetate	4.73	43	19471	20.816	ug/l #	78
19) Methyl tert-butyl Ether	5.48	73	74274	18.140	ug/l	98
20) Methylene Chloride	4.97	84	46110	19.919	ug/l #	87
21) trans-1,2-Dichloroethene	5.47	96	39749	20.193	ug/l	94
22) Diisopropyl ether	6.37	45	108807	20.266	ug/l #	95
23) Vinyl Acetate	6.31	43	308576	96.612	ug/l	98
24) 1,1-Dichloroethane	6.27	63	67753	20.487	ug/l #	93
25) 2-Butanone	7.23	43	53677	94.708	ug/l	93
26) 2,2-Dichloropropane	7.20	77	61392	20.522	ug/l	78
27) cis-1,2-Dichloroethene	7.21	96	43729	19.627	ug/l	98
28) Bromochloromethane	7.56	49	20581	17.623	ug/l	95
29) Tetrahydrofuran	7.57	42	31114	94.055	ug/l	97
30) Chloroform	7.71	83	74241	20.669	ug/l	91
31) Cyclohexane	7.98	56	65483	21.689	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	65691	21.320	ug/l	100
36) 1,1-Dichloropropene	8.12	75	59339	22.222	ug/l	99
37) Ethyl Acetate	7.30	43	20895	16.872	ug/l #	96
38) Carbon Tetrachloride	8.10	117	58651	21.735	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	73083	22.259	ug/l	91
40) Benzene	8.35	78	168594	22.032	ug/l	97
41) Methacrylonitrile	7.52	41	11942	19.289	ug/l	93
42) 1,2-Dichloroethane	8.43	62	44969	20.315	ug/l	98
43) Isopropyl Acetate	8.46	43	42041	18.773	ug/l	97
44) Trichloroethene	9.11	130	48337	21.905	ug/l	96
45) 1,2-Dichloropropane	9.39	63	39376	21.023	ug/l	97
46) Dibromomethane	9.48	93	22025	20.648	ug/l	97
47) Bromodichloromethane	9.66	83	53611	19.521	ug/l #	98
48) Methyl methacrylate	9.46	41	19872	18.520	ug/l	97
49) 1,4-Dioxane	9.47	88	6502	446.552	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	114254	98.375	ug/l	99
52) Toluene	10.40	92	110708	21.075	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	53470	19.952	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	59410	19.258	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	31038	20.608	ug/l	94
56) Ethyl methacrylate	10.67	69	36547	19.162	ug/l	97
57) 1,3-Dichloropropane	10.95	76	51764	20.087	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	78377	95.601	ug/l	98
59) 2-Hexanone	10.99	43	82408	98.090	ug/l	98
60) Dibromochloromethane	11.14	129	39571	20.181	ug/l	99
61) 1,2-Dibromoethane	11.25	107	30288	20.743	ug/l	97
64) Tetrachloroethene	10.88	164	41481	21.316	ug/l	93
65) Chlorobenzene	11.67	112	123877	21.639	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	43015	20.392	ug/l	95
67) Ethyl Benzene	11.75	91	219461	21.260	ug/l	96
68) m/p-Xylenes	11.85	106	175339	44.007	ug/l	99
69) o-Xylene	12.18	106	81512	21.365	ug/l	95
70) Styrene	12.20	104	137460	21.284	ug/l	97
71) Bromoform	12.36	173	23797	21.021	ug/l #	93
73) Isopropylbenzene	12.48	105	220413	21.489	ug/l	100
74) N-amyl acetate	12.29	43	42234	19.125	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	35393	19.830	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	45438	44.464	ug/l #	100
77) Bromobenzene	12.76	156	51646	20.210	ug/l	97
78) n-propylbenzene	12.82	91	269168	22.357	ug/l	98
79) 2-Chlorotoluene	12.91	91	141927	21.379	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	179644	20.994	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	10779	18.666	ug/l	92
82) 4-Chlorotoluene	13.01	91	146455	20.797	ug/l	98
83) tert-Butylbenzene	13.23	119	157237	20.647	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	185485	21.026	ug/l	98
85) sec-Butylbenzene	13.40	105	233354	22.690	ug/l	98
86) p-Isopropyltoluene	13.52	119	213497	21.938	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	103328	20.464	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	105378	21.155	ug/l	99
89) n-Butylbenzene	13.85	91	199406	22.012	ug/l	98
90) Hexachloroethane	14.11	117	37804	21.598	ug/l	91
91) 1,2-Dichlorobenzene	13.89	146	89460	20.559	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.50	75	5663	18.892	ug/l	94

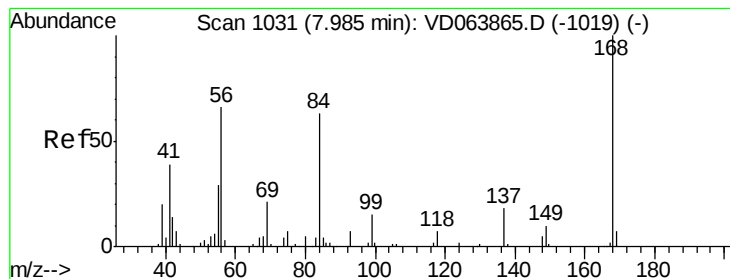
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101519\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	64610	19.243	ug/l	97
94) Hexachlorobutadiene	15.27	225	39048	21.075	ug/l	98
95) Naphthalene	15.40	128	112425	19.922	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	54278	18.737	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

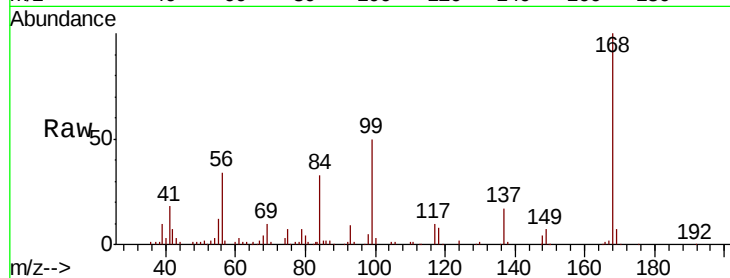
VD1015SBS01

Tot Ion:168 Resp: 188672

Ion Ratio Lower Upper

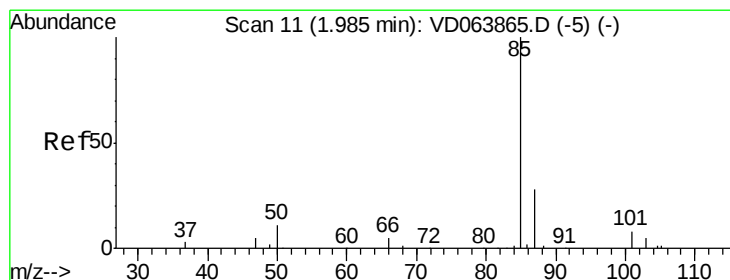
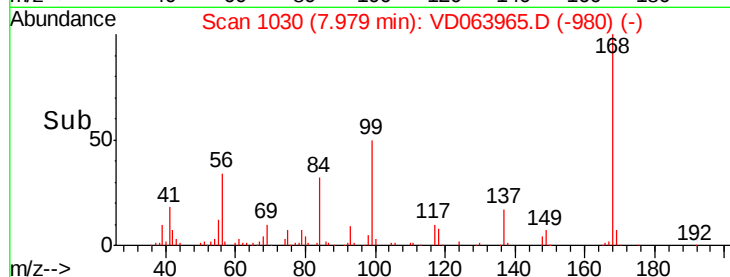
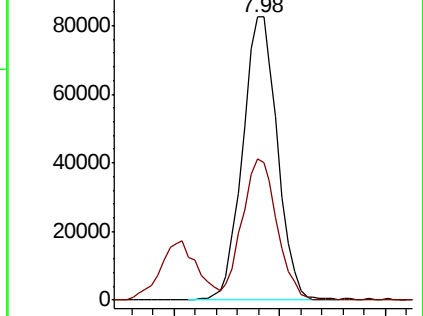
168 100

99 49.5 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 19.936 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063965.D

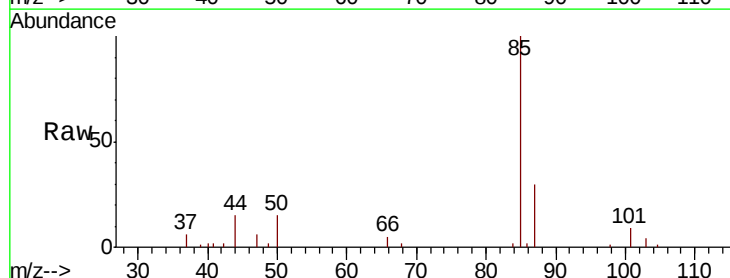
Acq: 15 Oct 2019 12:03

Tgt Ion: 85 Resp: 26674

Ion Ratio Lower Upper

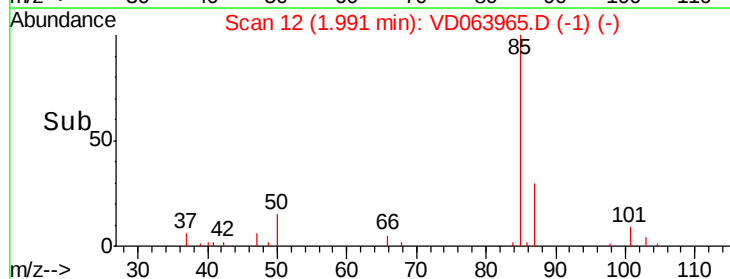
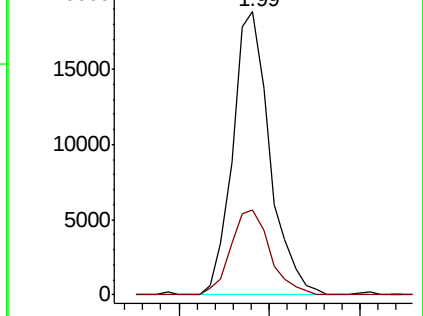
85 100

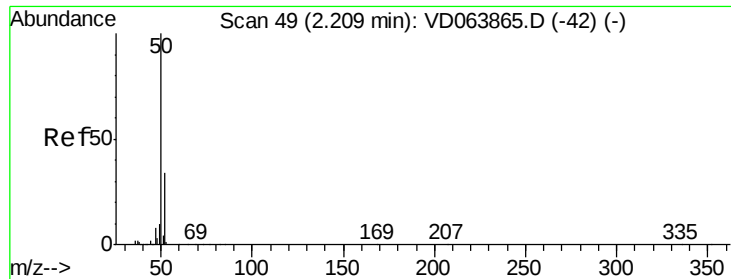
87 30.2 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

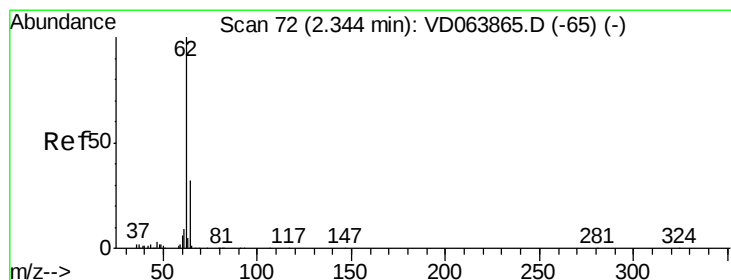
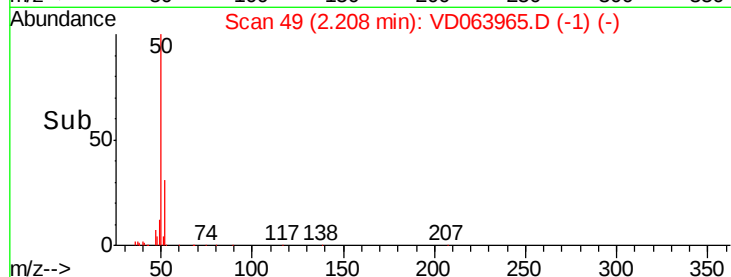
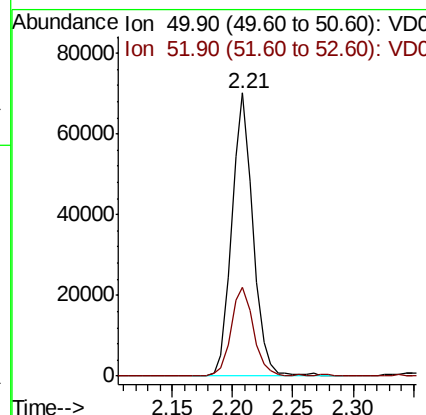
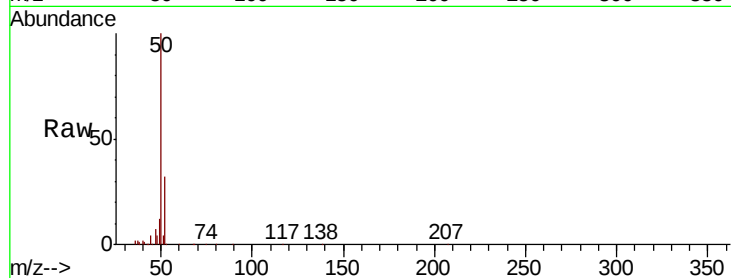




#3
Chloromethane
Concen: 21.109 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

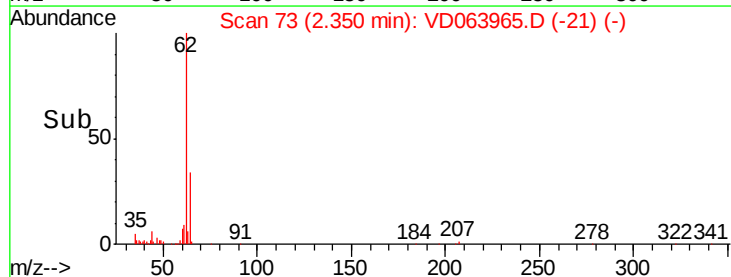
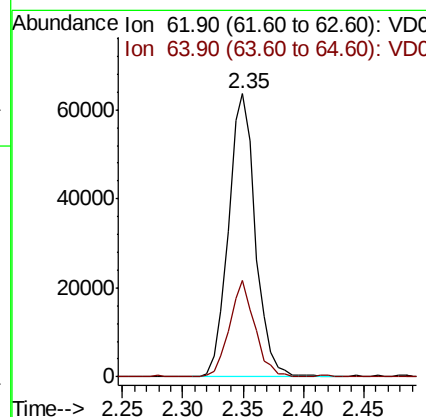
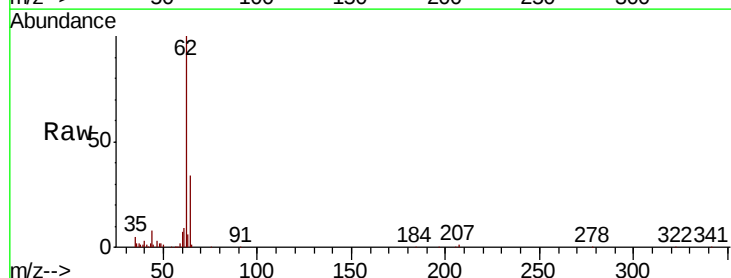
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

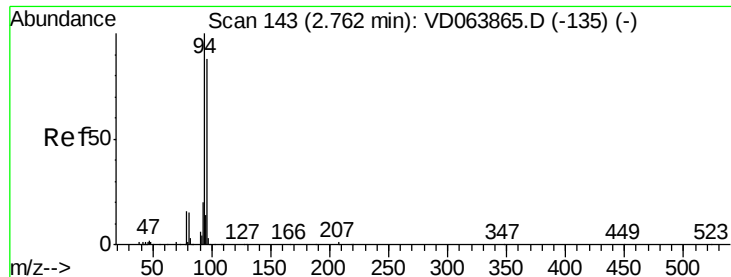
Tot Ion: 50 Resp: 85441
Ion Ratio Lower Upper
50 100
52 31.6 27.5 41.3



#4
Vinyl Chloride
Concen: 22.724 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion: 62 Resp: 98270
Ion Ratio Lower Upper
62 100
64 33.9 25.4 38.0





#5

Bromomethane

Concen: 20.390 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

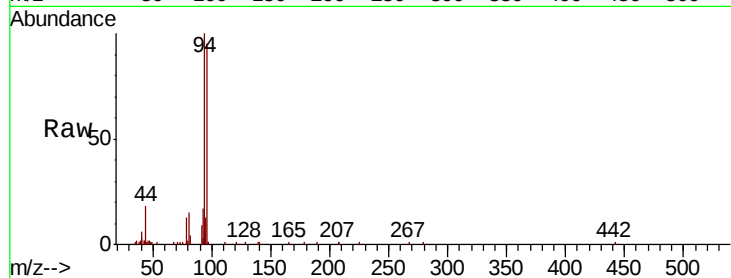
VD1015SBS01

Tot Ion: 94 Resp: 56687

Ion Ratio Lower Upper

94 100

96 93.3 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

25000

20000

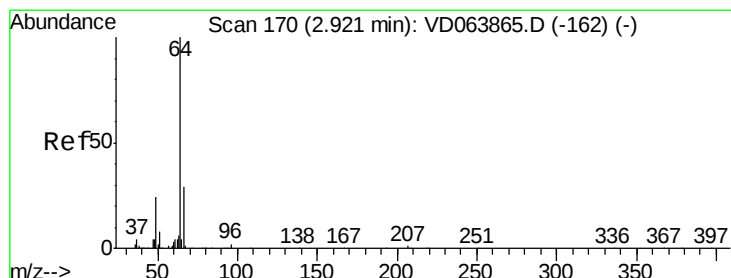
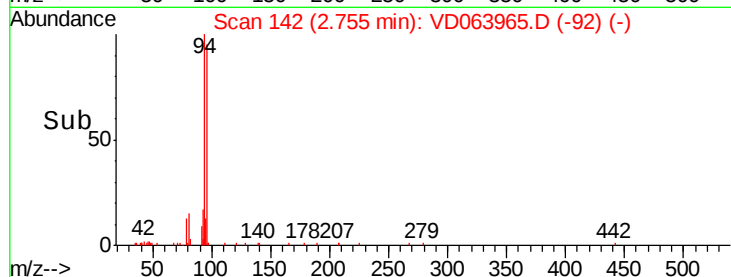
15000

10000

5000

0

Time--> 2.60 2.70 2.80 2.90



#6

Chloroethane

Concen: 21.888 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063965.D

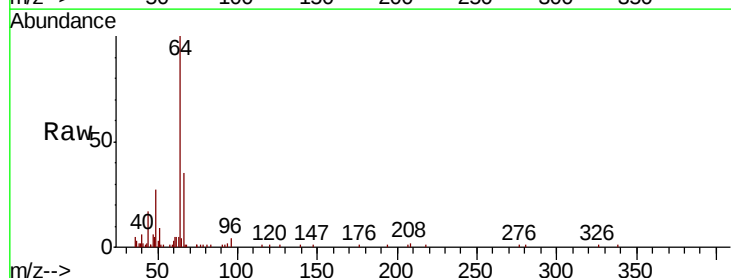
Acq: 15 Oct 2019 12:03

Tgt Ion: 64 Resp: 62597

Ion Ratio Lower Upper

64 100

66 35.2 23.0 34.4#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

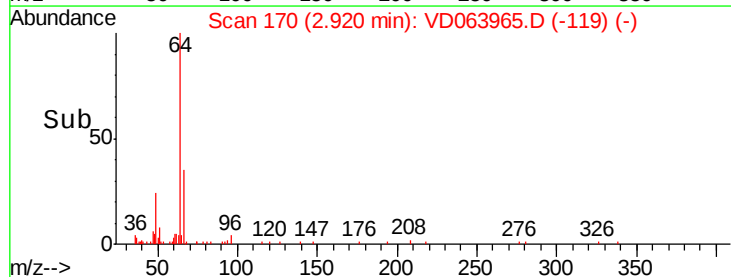
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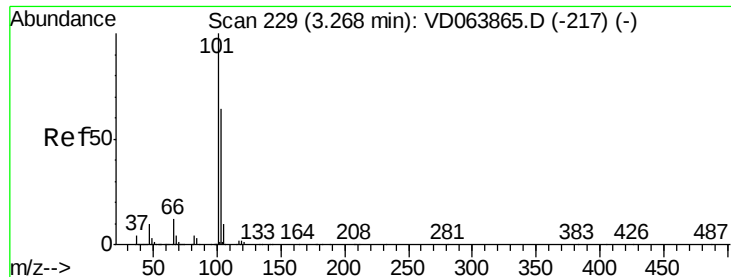
20000

10000

0

Time--> 2.80 2.90 3.00



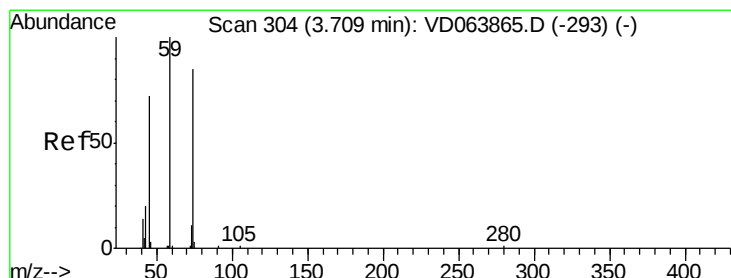
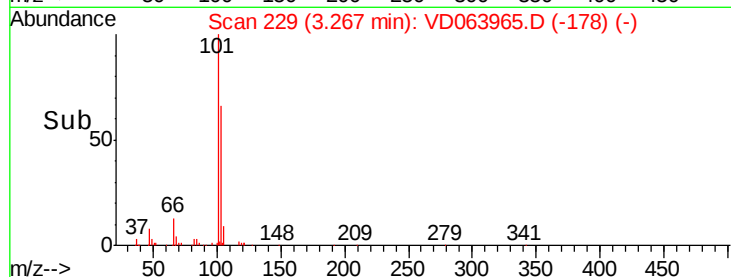
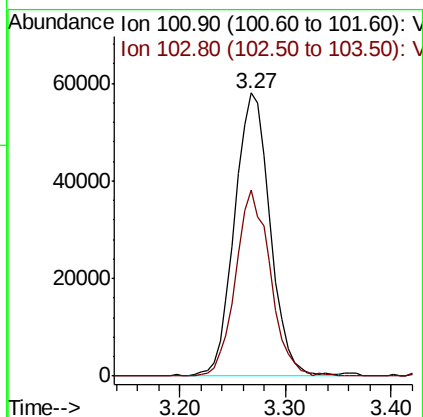
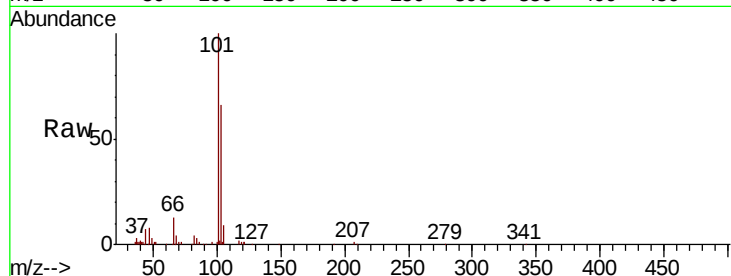


#7

Trichlorofluoromethane
 Concen: 23.723 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

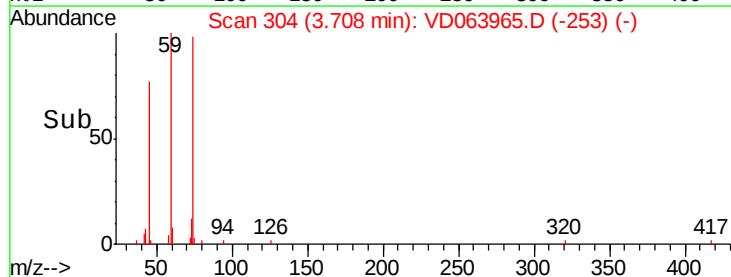
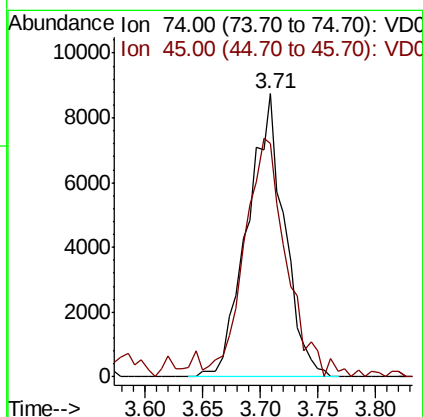
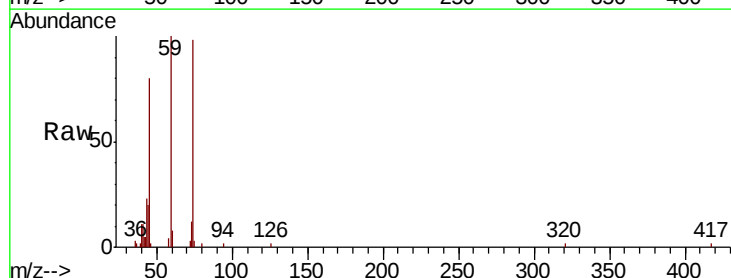
Tot Ion:101 Resp: 135639
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.1 76.7

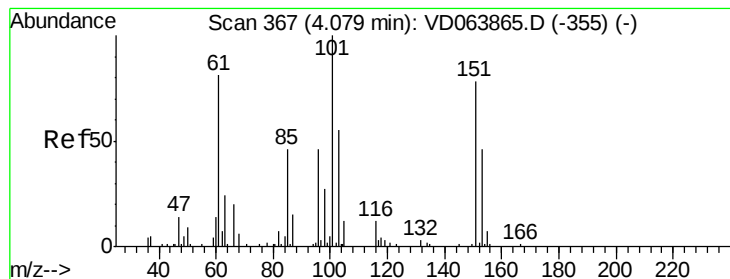


#8

Diethyl Ether
 Concen: 21.289 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Tgt Ion: 74 Resp: 19537
 Ion Ratio Lower Upper
 74 100
 45 96.2 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.017 ug/l

RT: 4.08 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

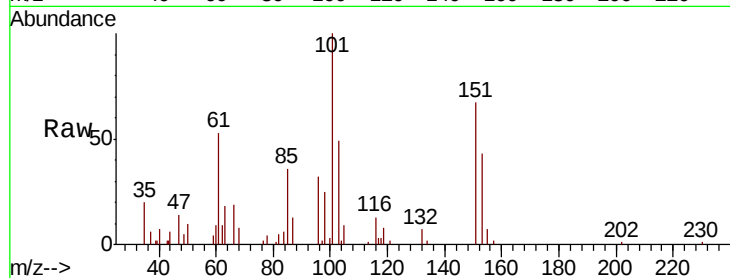
Tot Ion:101 Resp: 33264

Ion Ratio Lower Upper

101 100

85 49.6 37.5 56.3

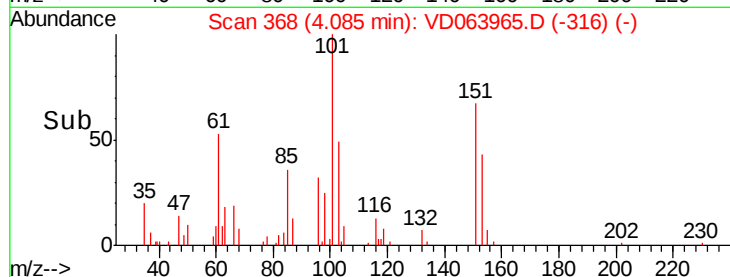
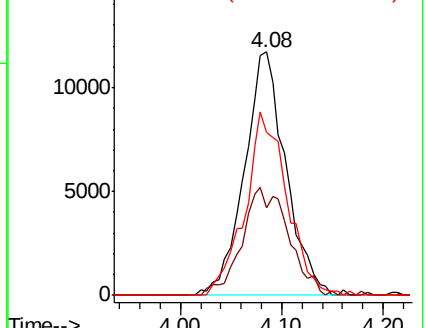
151 76.7 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.660 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

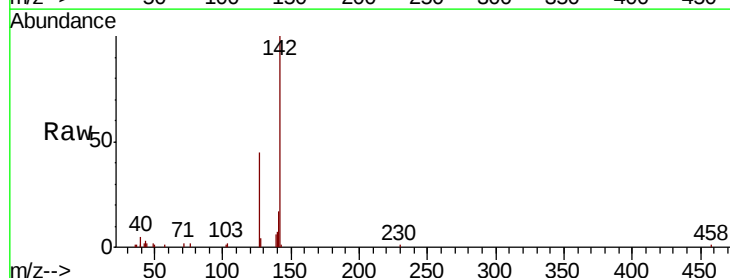
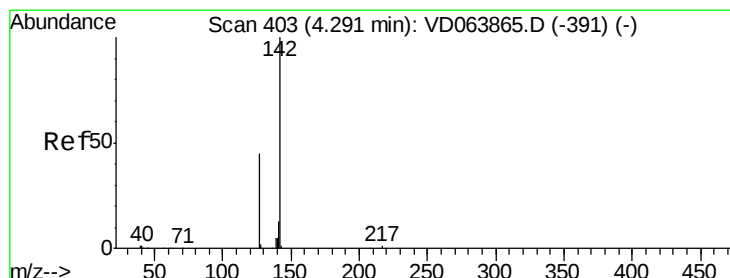
Tgt Ion:142 Resp: 38513

Ion Ratio Lower Upper

142 100

127 44.3 35.3 52.9

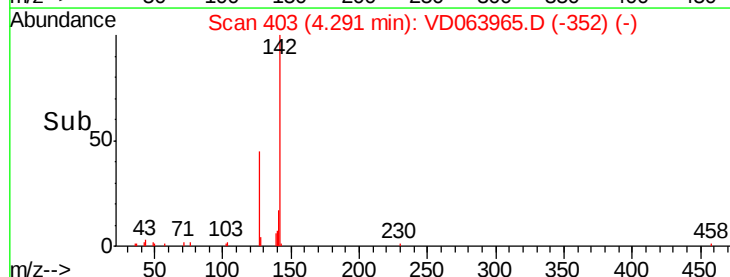
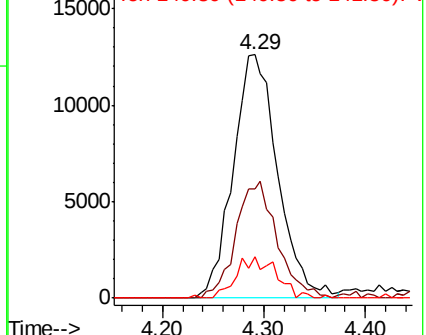
141 15.1 12.2 18.2

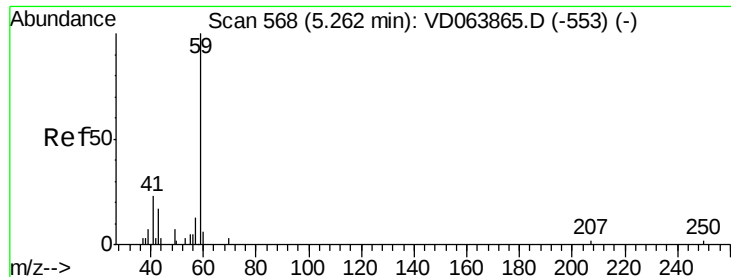


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

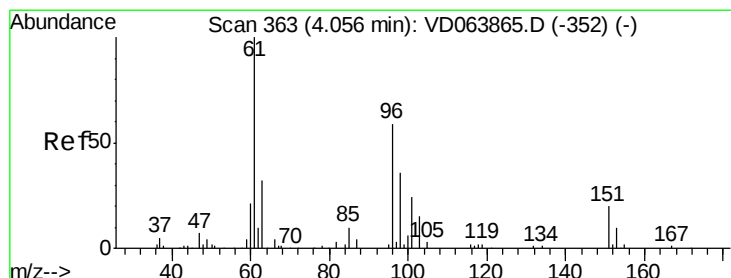
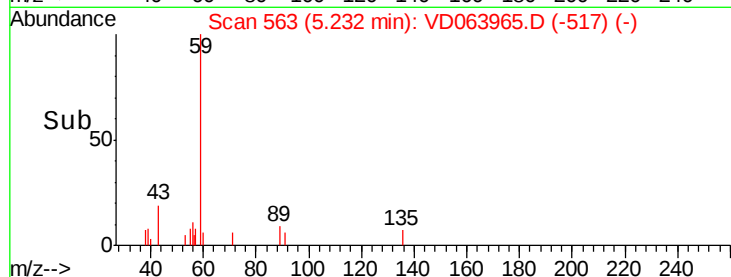
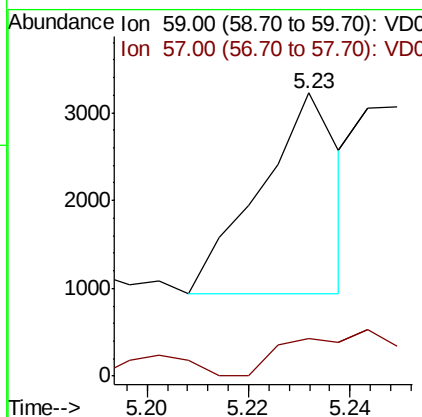
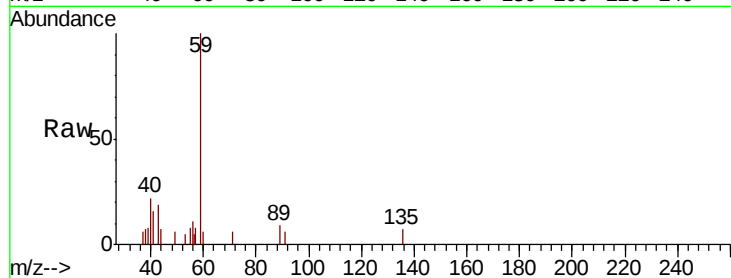




#11
Tert butyl alcohol
Concen: 11.744 ug/l
RT: 5.23 min Scan# 563
Delta R.T. -0.03 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

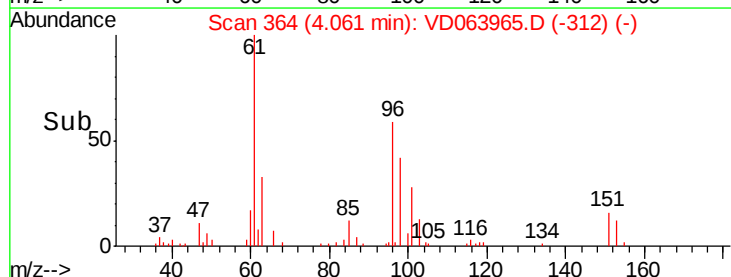
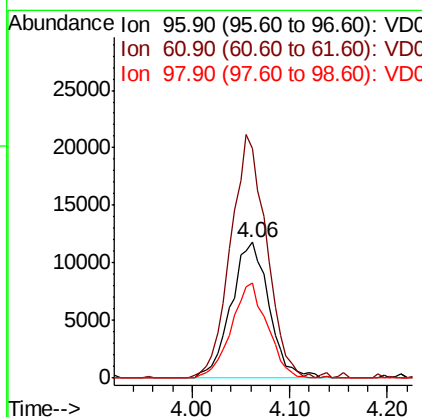
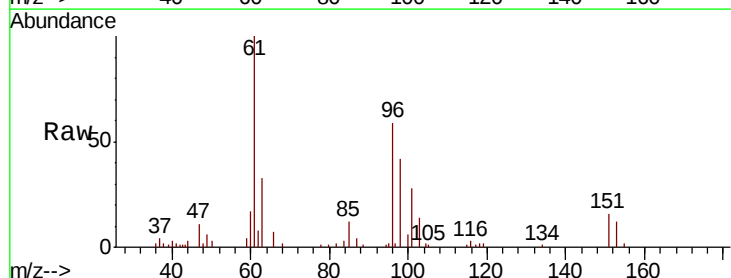
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

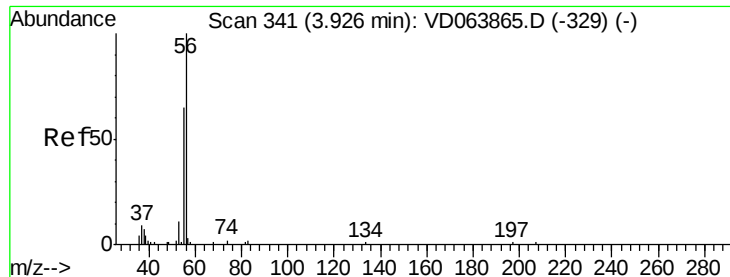
Tot Ion: 59 Resp: 2474
Ion Ratio Lower Upper
59 100
57 40.0 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 20.242 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion: 96 Resp: 32008
Ion Ratio Lower Upper
96 100
61 164.2 135.6 203.4
98 68.4 49.2 73.8





#13

Acrolein

Concen: 66.336 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

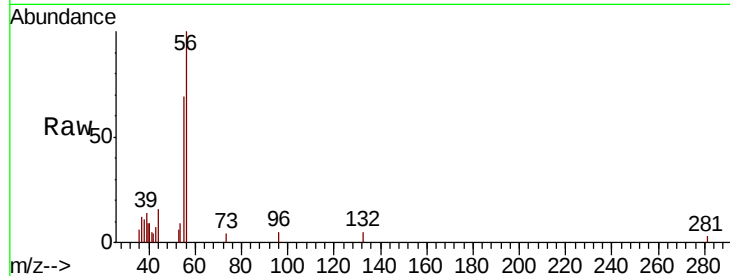
VD1015SBS01

Tot Ion: 56 Resp: 10883

Ion Ratio Lower Upper

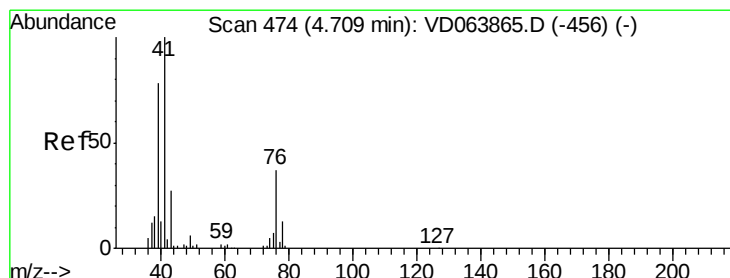
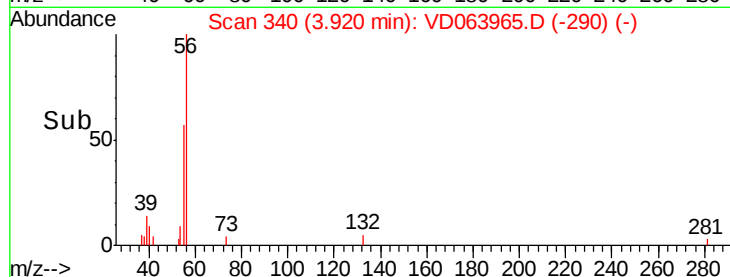
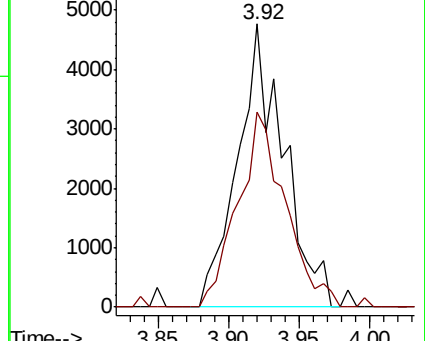
56 100

55 70.9 53.0 79.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.439 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

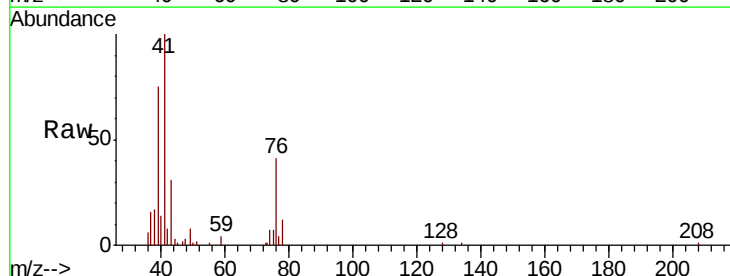
Tgt Ion: 41 Resp: 51103

Ion Ratio Lower Upper

41 100

39 78.5 61.8 92.6

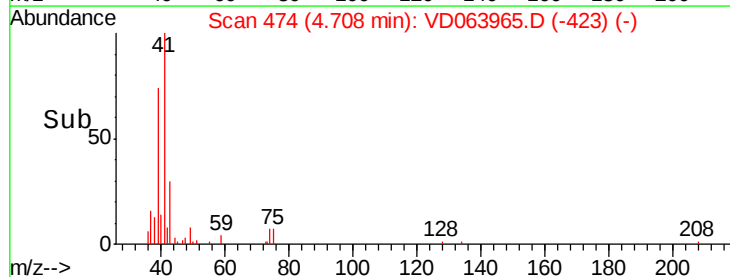
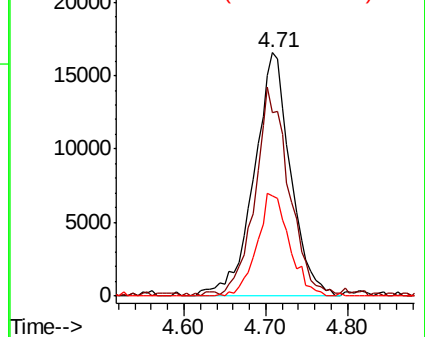
76 37.5 31.3 46.9

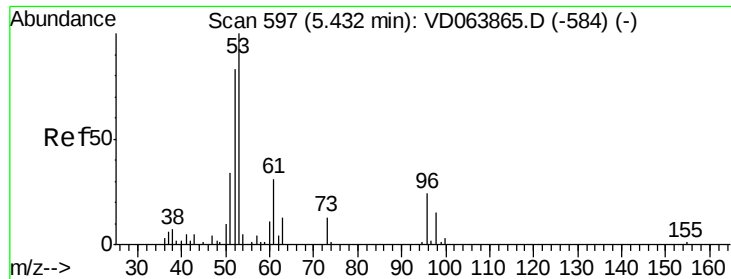


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 104.318 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

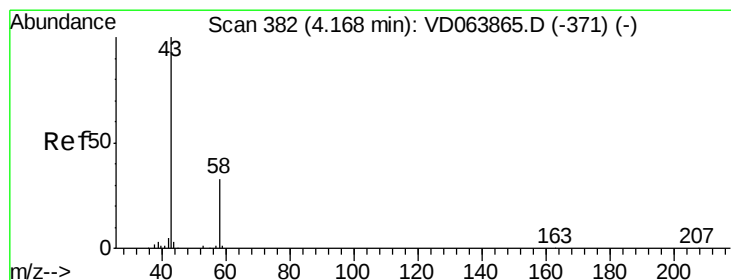
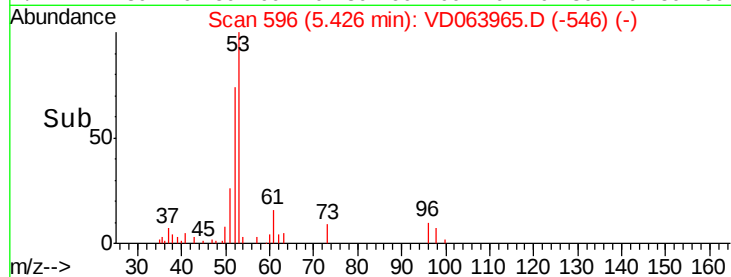
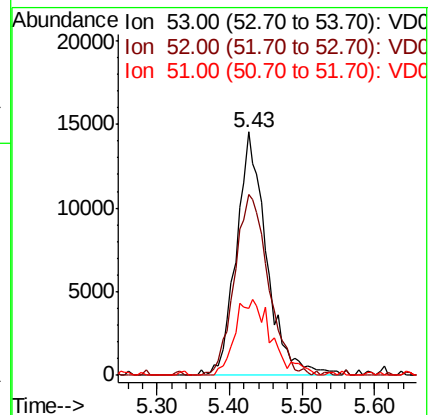
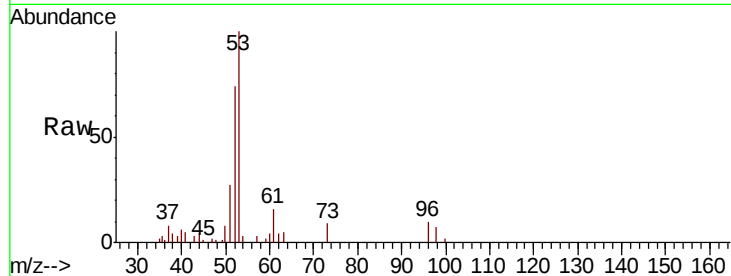
Tot Ion: 53 Resp: 42208

Ion Ratio Lower Upper

53 100

52 82.7 67.3 100.9

51 35.1 30.5 45.7



#16

Acetone

Concen: 84.475 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD063965.D

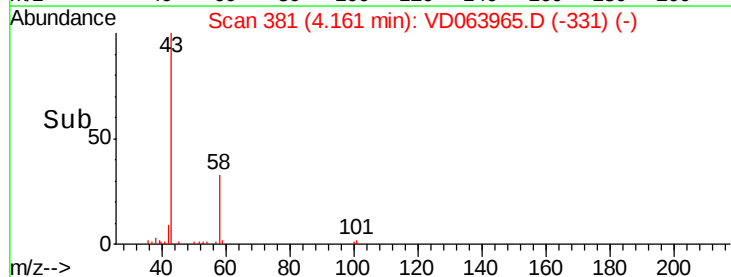
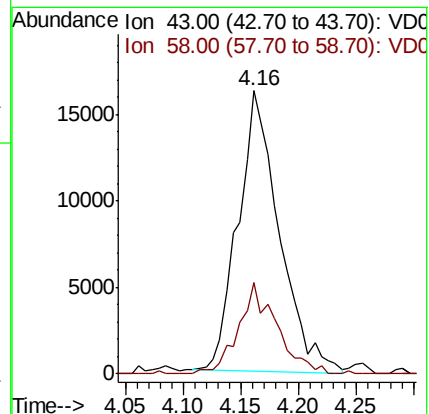
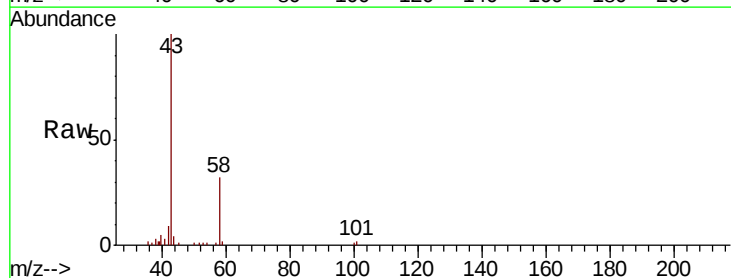
Acq: 15 Oct 2019 12:03

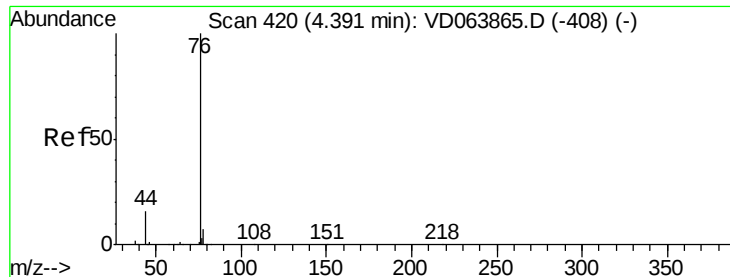
Tgt Ion: 43 Resp: 40399

Ion Ratio Lower Upper

43 100

58 32.9 26.2 39.4

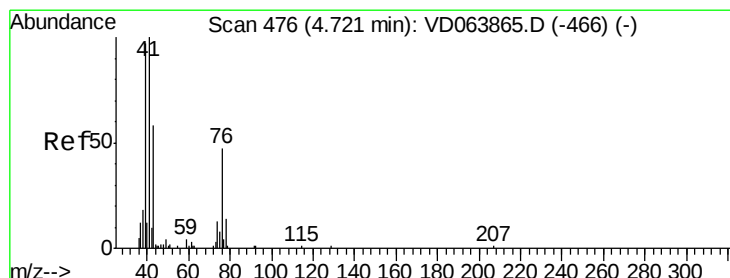
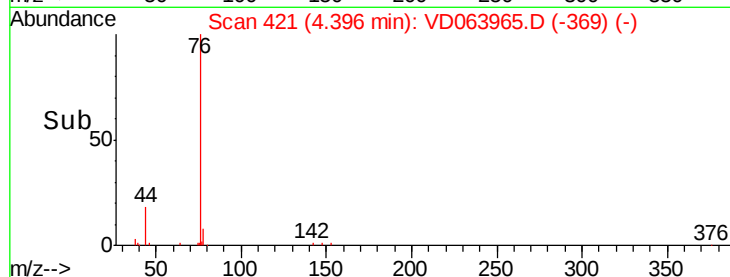
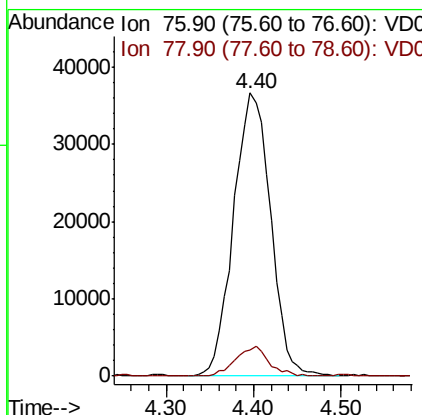
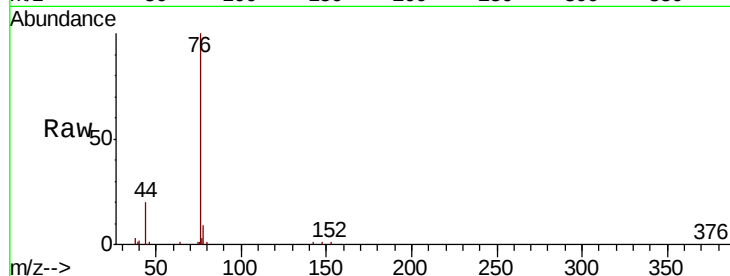




#17
Carbon Disulfide
Concen: 18.321 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

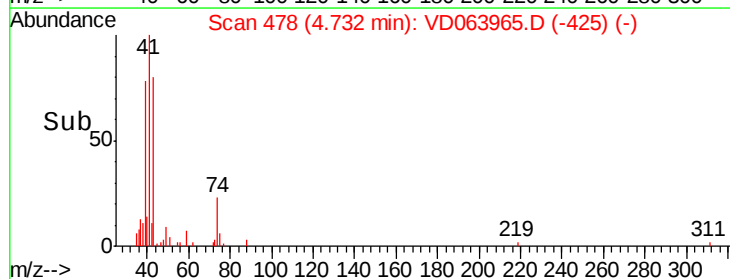
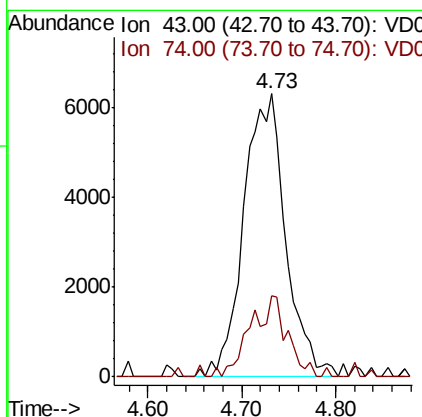
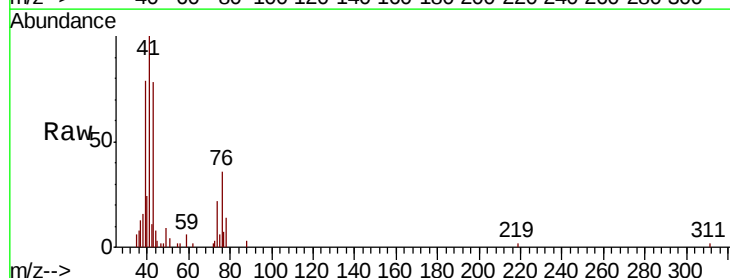
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

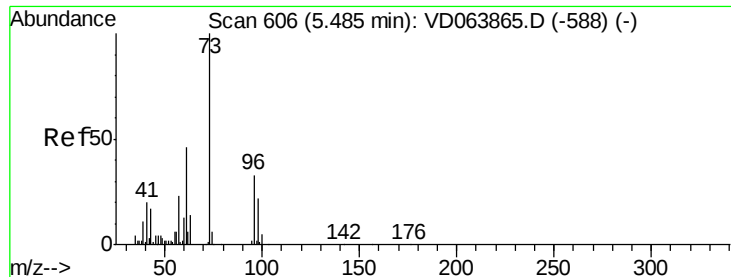
Tot Ion: 76 Resp: 105308
Ion Ratio Lower Upper
76 100
78 9.2 5.8 8.8#



#18
Methyl Acetate
Concen: 20.816 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion: 43 Resp: 19471
Ion Ratio Lower Upper
43 100
74 14.7 20.8 31.2#

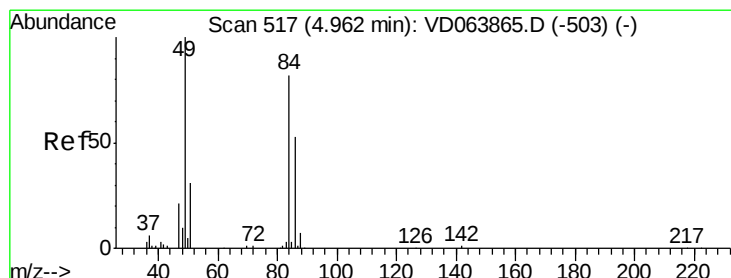
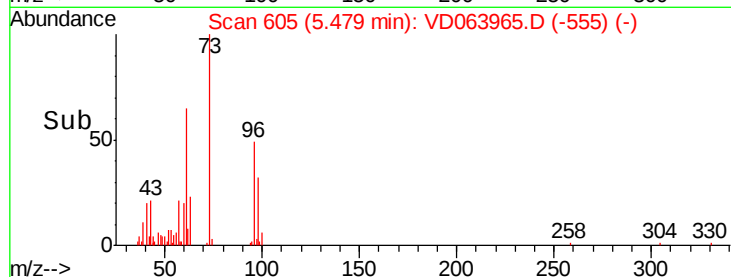
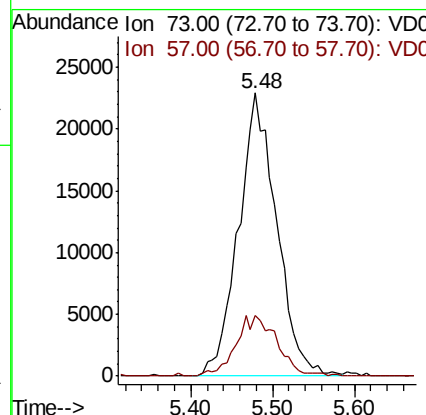
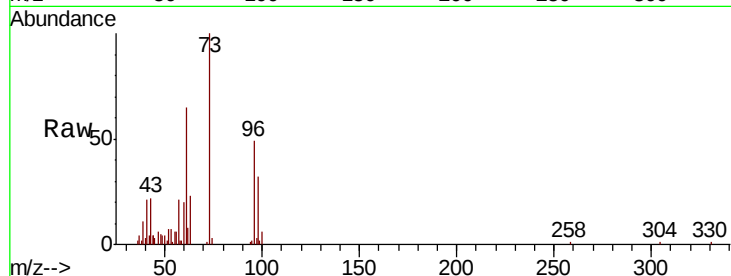




#19
Methyl tert-butyl Ether
Concen: 18.140 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

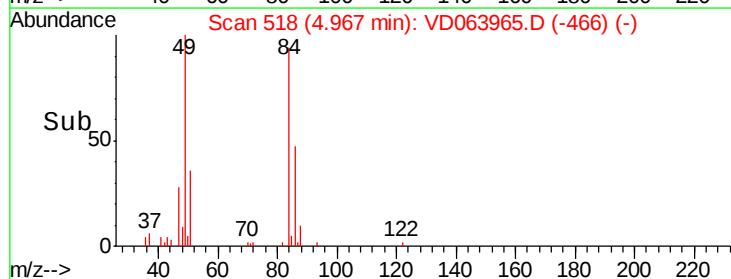
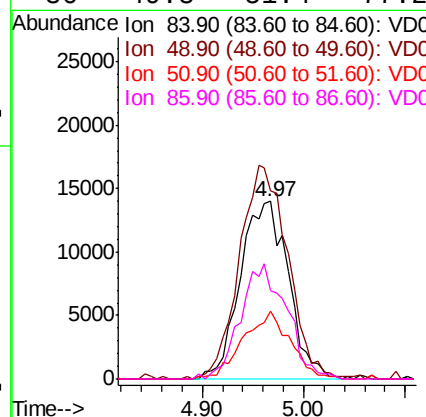
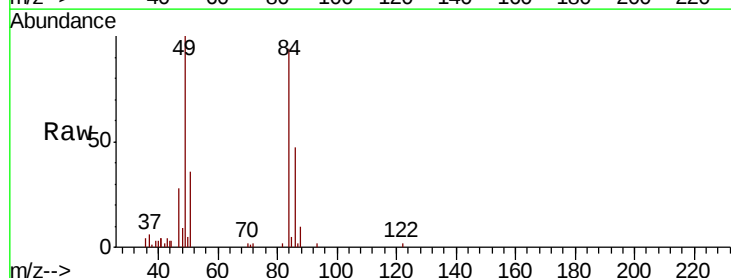
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

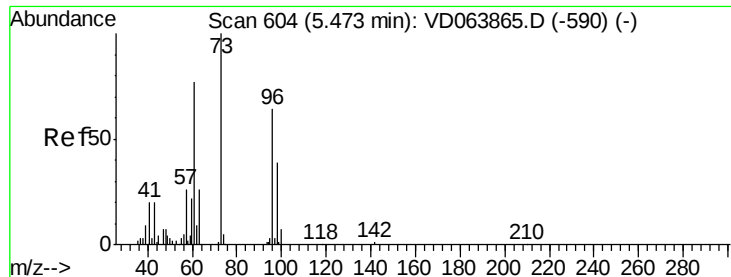
Tot Ion: 73 Resp: 74274
Ion Ratio Lower Upper
73 100
57 21.5 18.1 27.1



#20
Methylene Chloride
Concen: 19.919 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion: 84 Resp: 46110
Ion Ratio Lower Upper
84 100
49 106.3 97.3 145.9
51 38.5 30.1 45.1
86 49.8 51.4 77.2#





#21

trans-1,2-Dichloroethene

Concen: 20.193 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

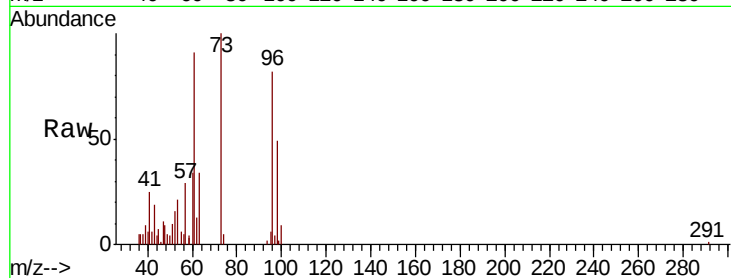
Tot Ion: 96 Resp: 39749

Ion Ratio Lower Upper

96 100

61 111.2 96.6 145.0

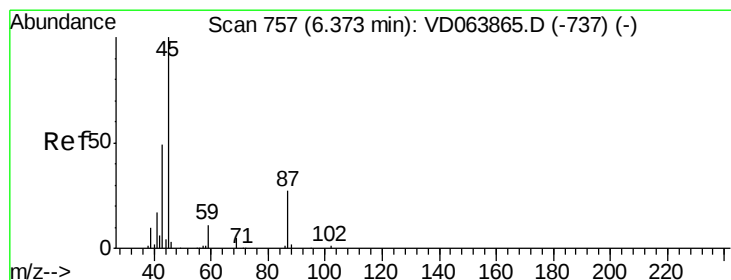
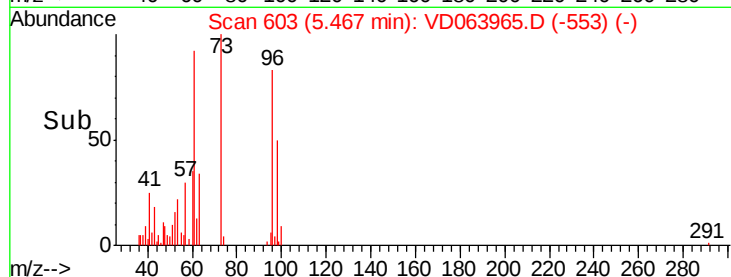
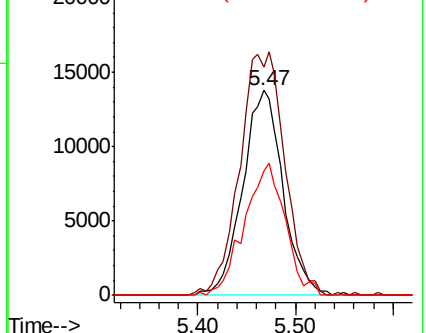
98 60.6 48.7 73.1



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 20.266 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Tgt Ion: 45 Resp: 108807

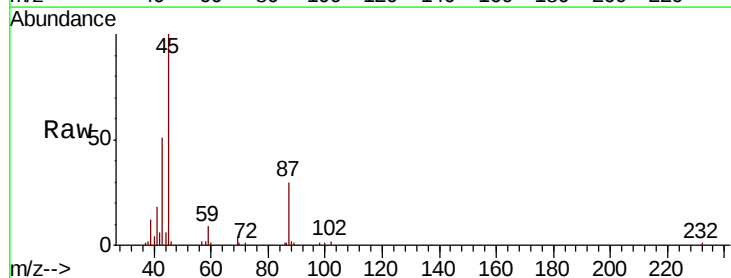
Ion Ratio Lower Upper

45 100

43 48.3 41.2 61.8

87 29.7 22.2 33.4

59 8.8 9.2 13.8#

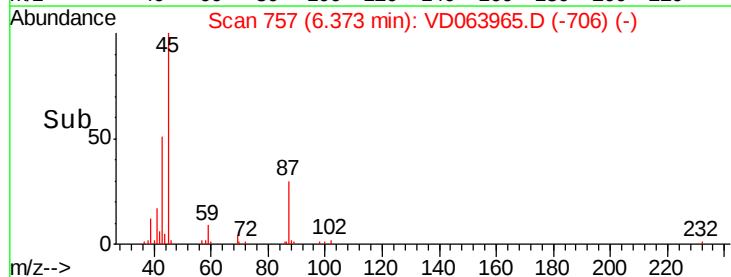
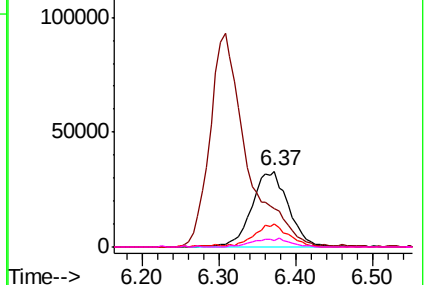


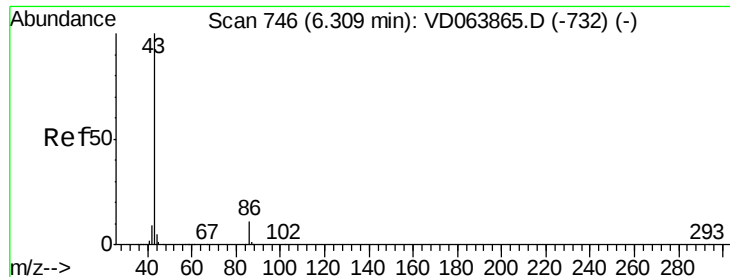
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 96.612 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

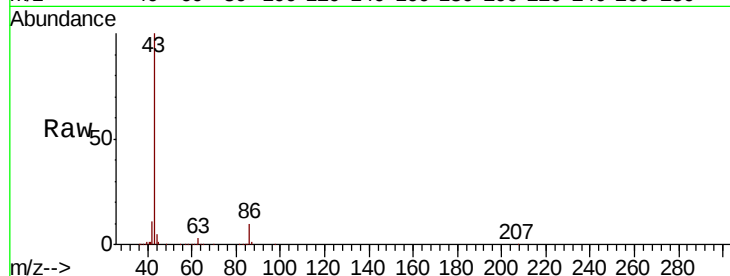
VD1015SBS01

Tot Ion: 43 Resp: 308576

Ion Ratio Lower Upper

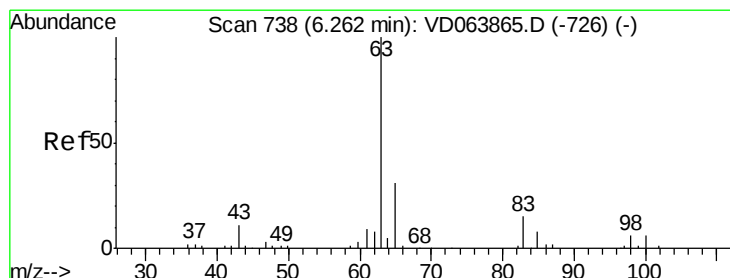
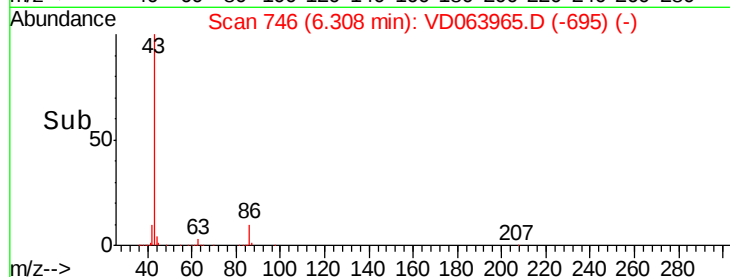
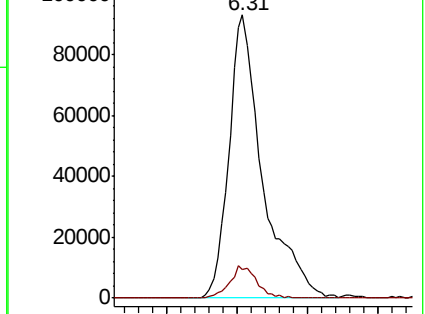
43 100

86 10.2 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.487 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

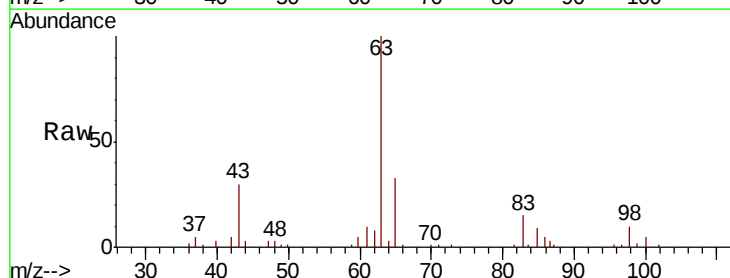
Tgt Ion: 63 Resp: 67753

Ion Ratio Lower Upper

63 100

98 9.8 3.1 9.4#

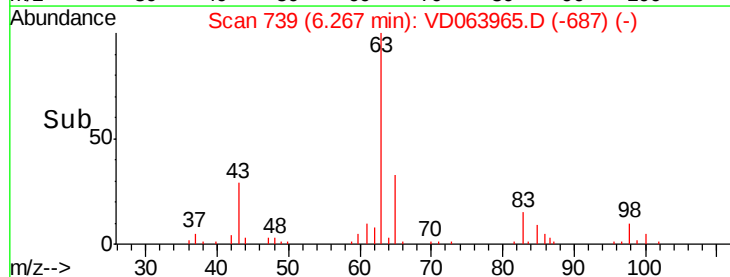
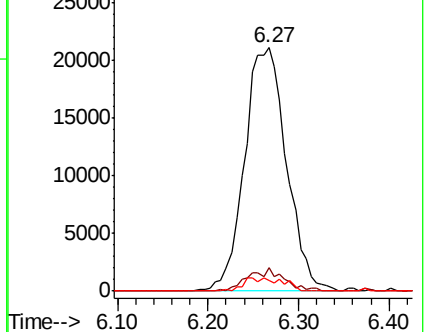
100 4.6 3.0 9.2

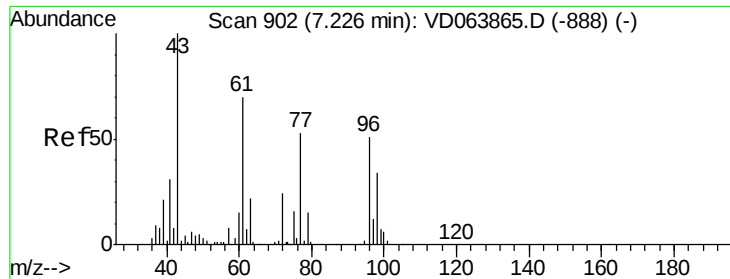


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 94.708 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

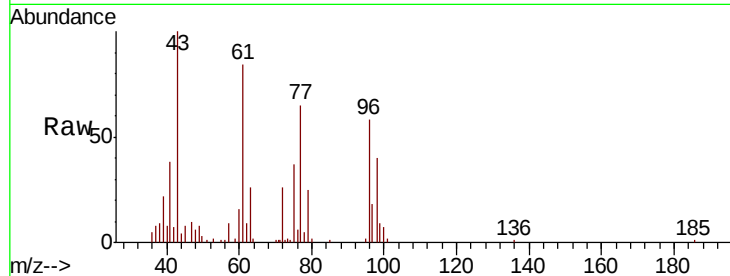
VD1015SBS01

Tot Ion: 43 Resp: 53677

Ion Ratio Lower Upper

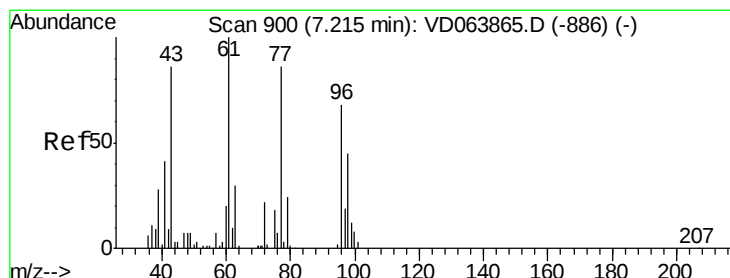
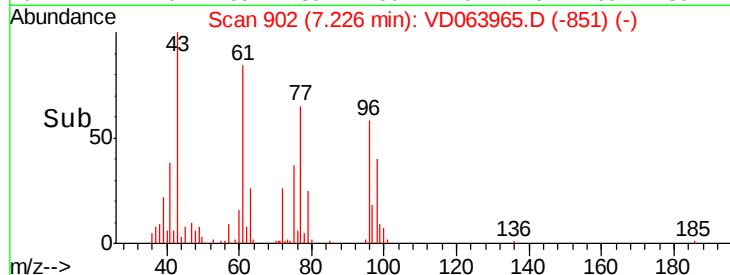
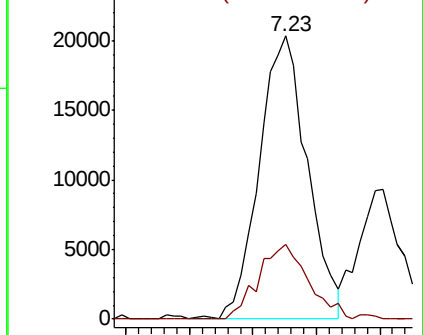
43 100

72 27.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.522 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD063965.D

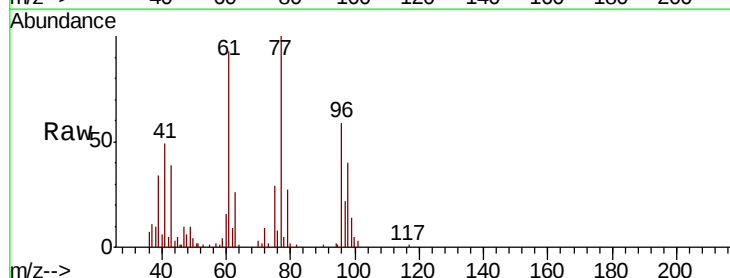
Acq: 15 Oct 2019 12:03

Tgt Ion: 77 Resp: 61392

Ion Ratio Lower Upper

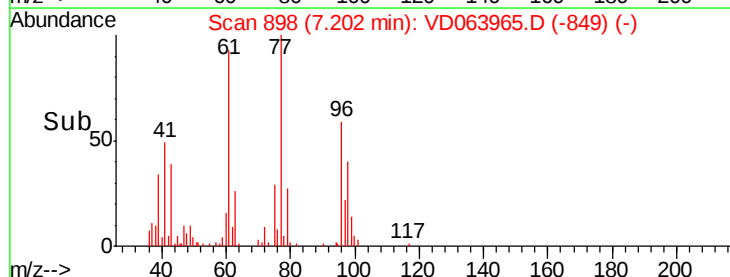
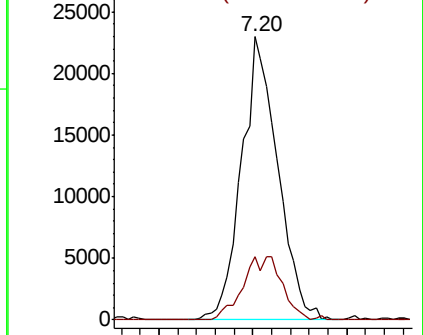
77 100

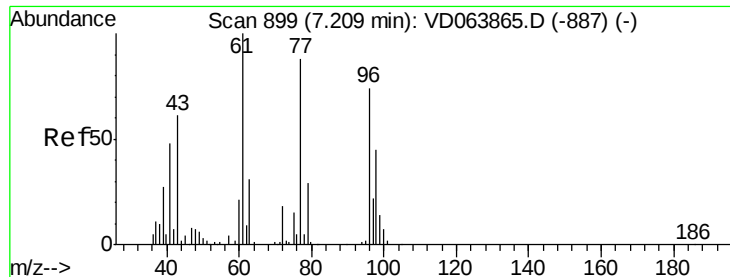
97 12.3 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



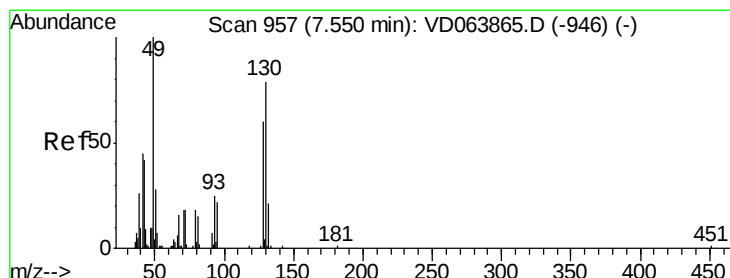
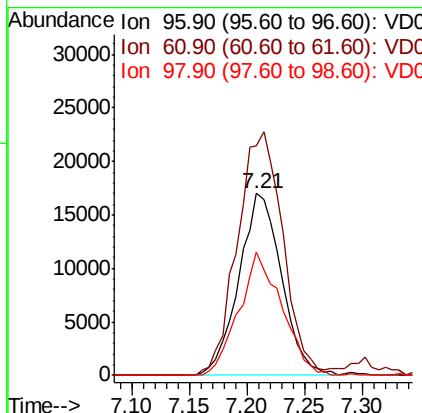
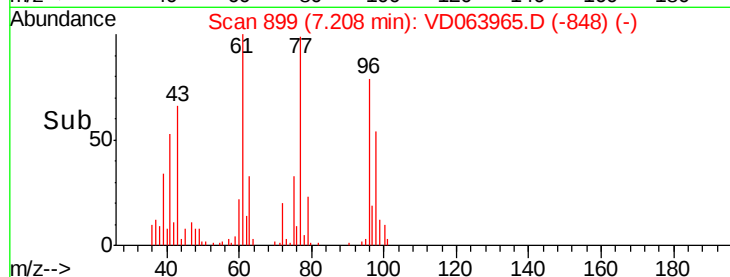
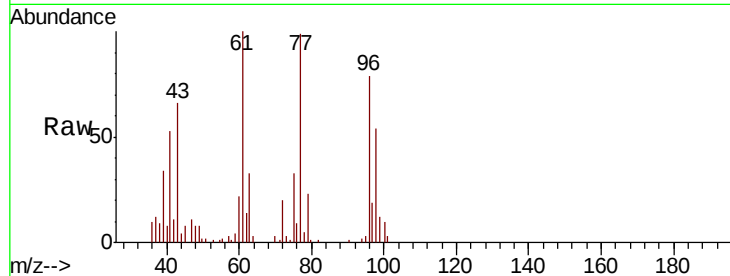


#27

cis-1,2-Dichloroethene
 Concen: 19.627 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

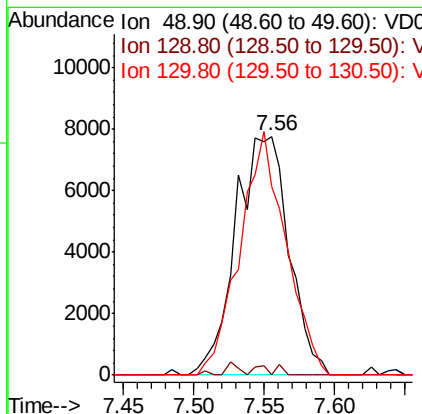
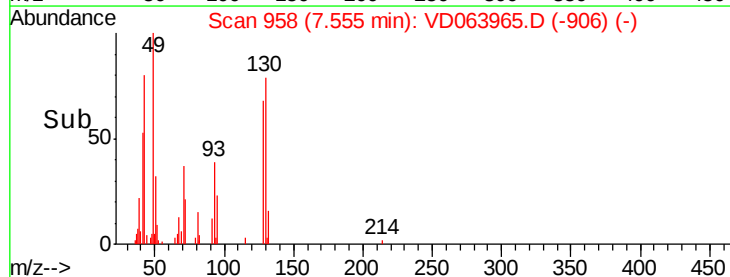
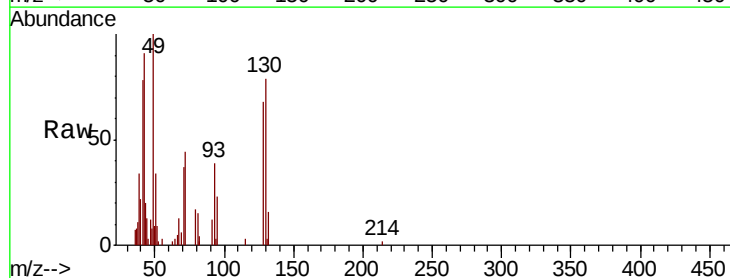
Tot Ion: 96 Resp: 43729
 Ion Ratio Lower Upper
 96 100
 61 142.5 0.0 280.0
 98 67.8 0.0 130.4

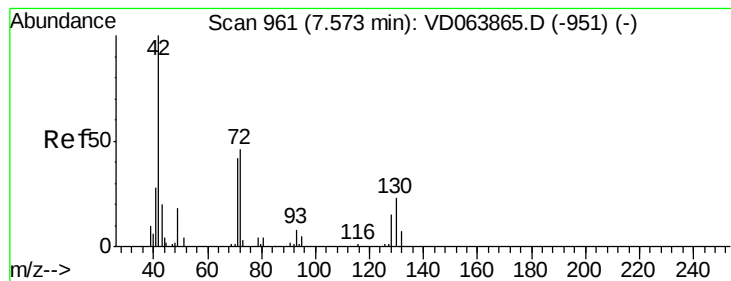


#28

Bromochloromethane
 Concen: 17.623 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Tgt Ion: 49 Resp: 20581
 Ion Ratio Lower Upper
 49 100
 129 0.9 0.0 5.6
 130 87.7 66.8 100.2





#29

Tetrahydrofuran

Concen: 94.055 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

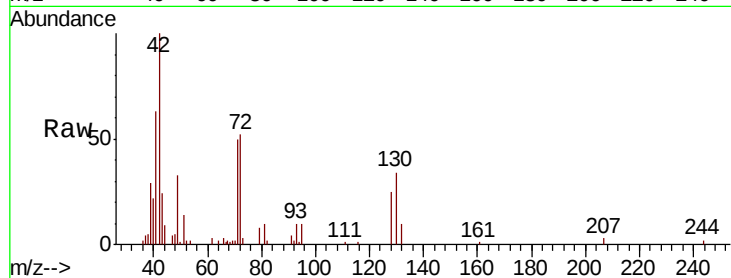
Tot Ion: 42 Resp: 31114

Ion Ratio Lower Upper

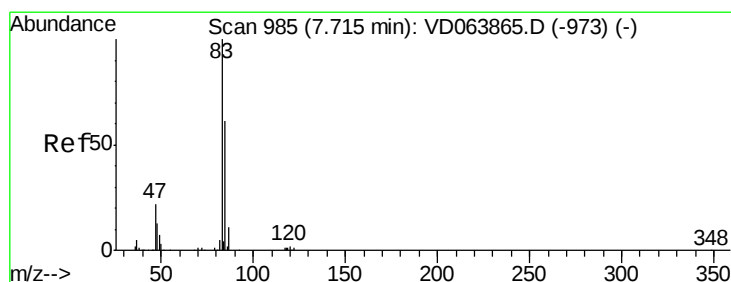
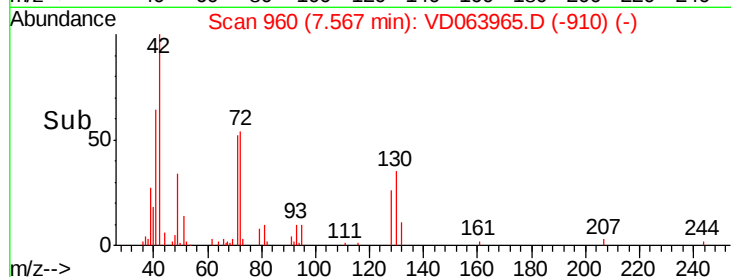
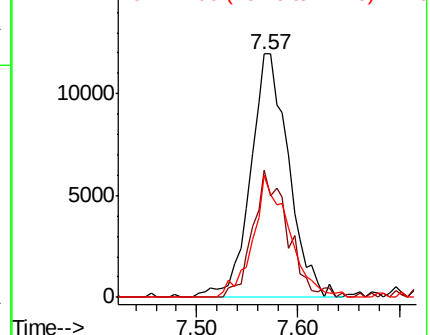
42 100

72 46.8 37.6 56.4

71 47.7 35.0 52.6



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: 20.669 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD063965.D

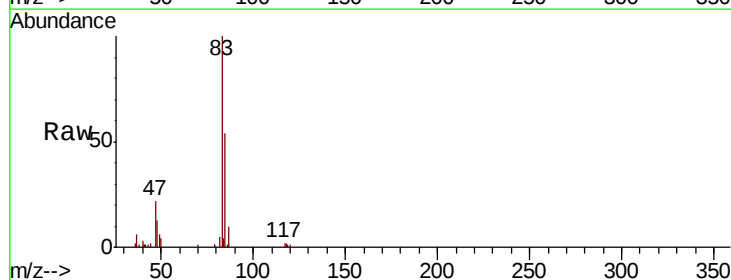
Acq: 15 Oct 2019 12:03

Tgt Ion: 83 Resp: 74241

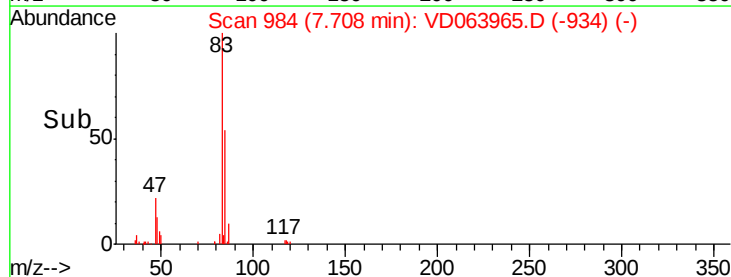
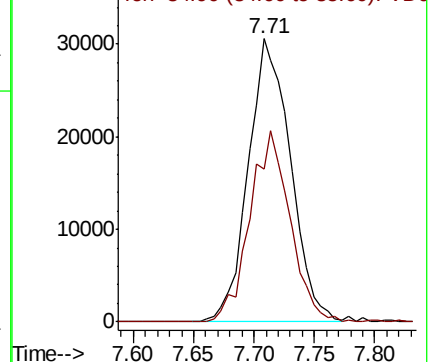
Ion Ratio Lower Upper

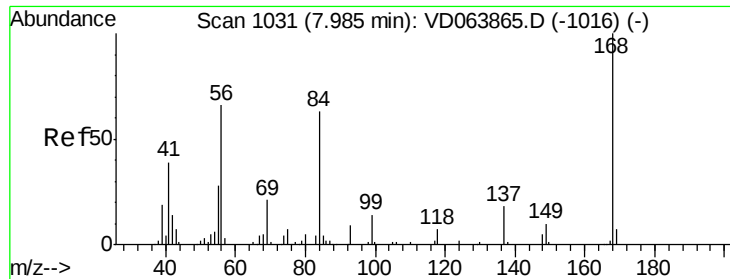
83 100

85 54.1 48.9 73.3



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC

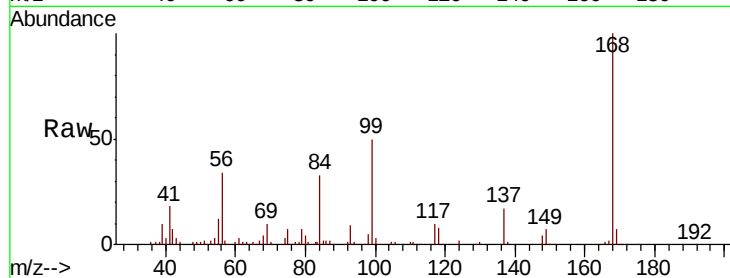




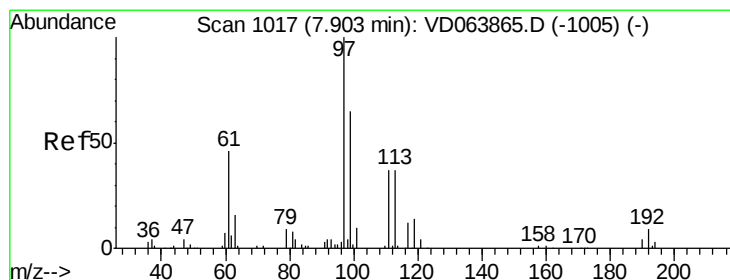
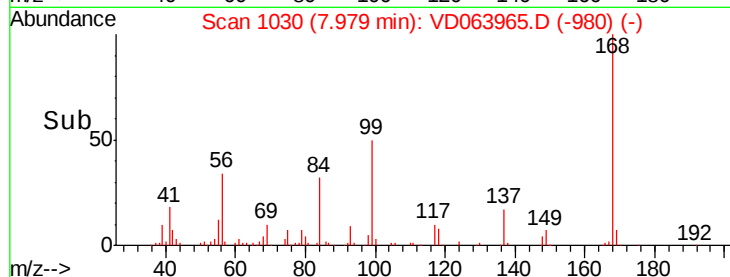
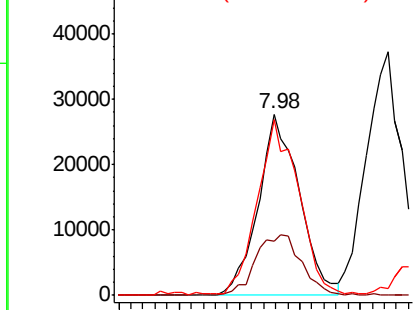
#31
Cyclohexane
Concen: 21.689 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion: 56 Resp: 65483
Ion Ratio Lower Upper
56 100
69 29.8 25.0 37.4
84 96.2 76.3 114.5

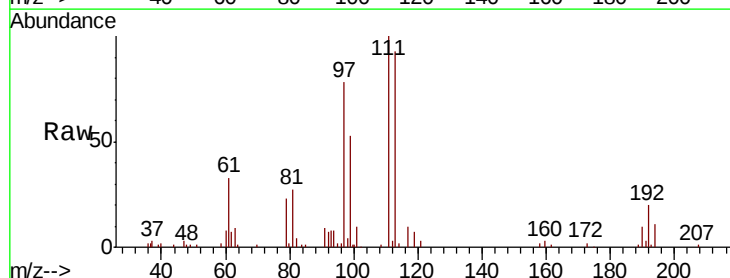


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

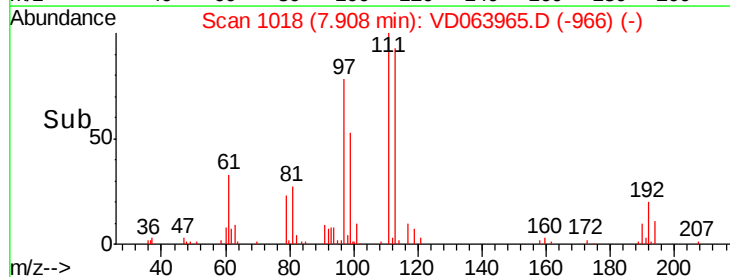
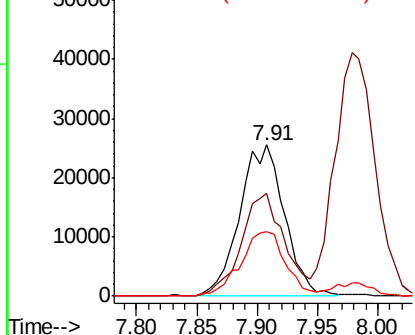


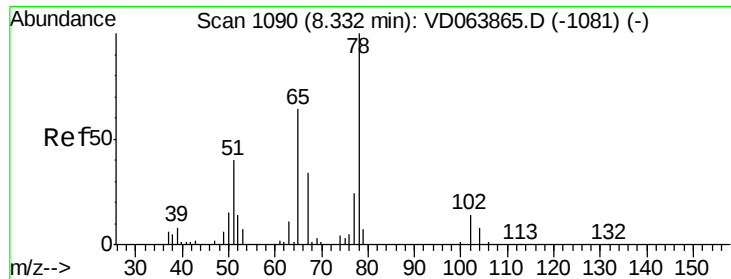
#32
1,1,1-Trichloroethane
Concen: 21.320 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion: 97 Resp: 65691
Ion Ratio Lower Upper
97 100
99 65.7 52.4 78.6
61 42.8 33.8 50.8



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 48.145 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

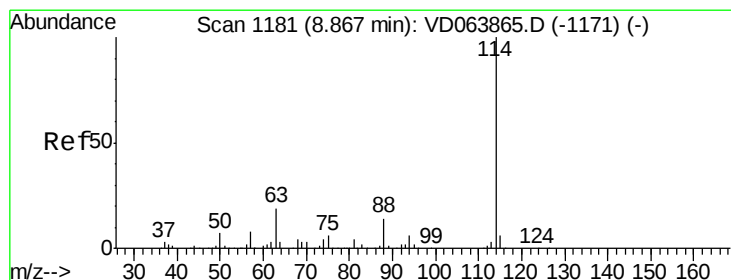
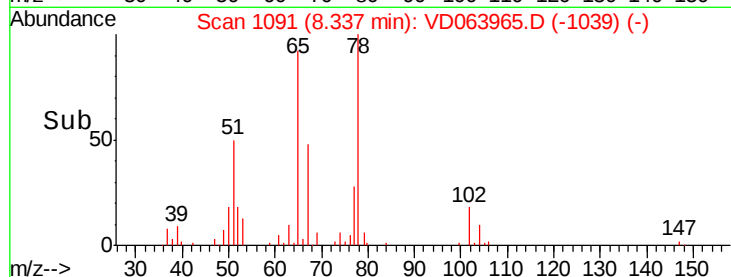
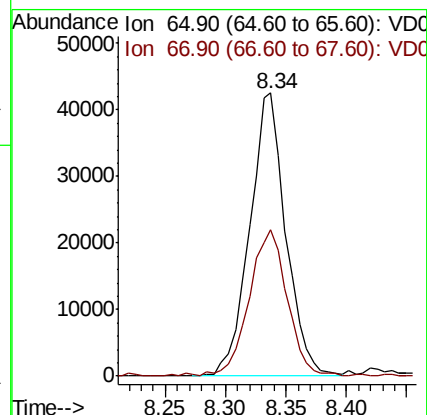
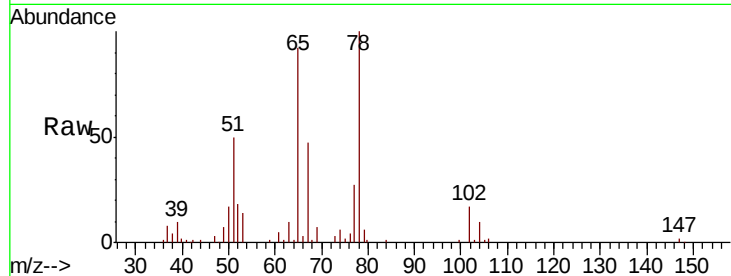
VD1015SBS01

Tot Ion: 65 Resp: 88435

Ion Ratio Lower Upper

65 100

67 54.3 0.0 106.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

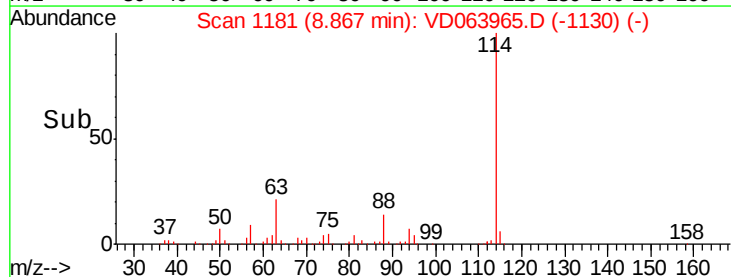
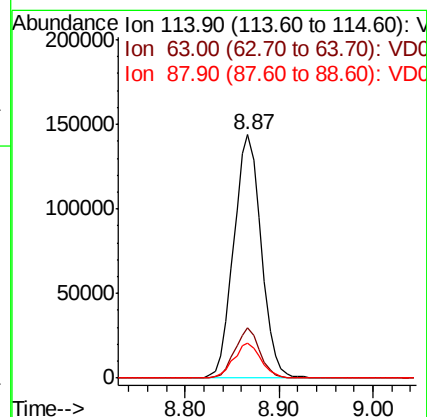
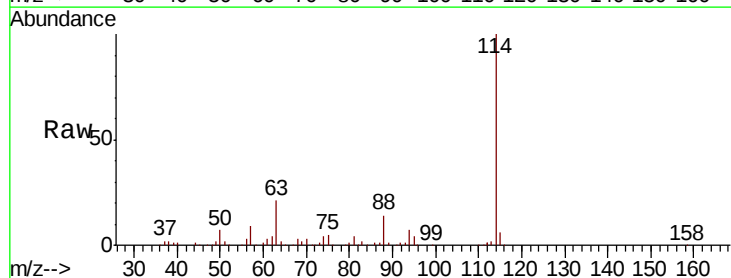
Tgt Ion: 114 Resp: 292052

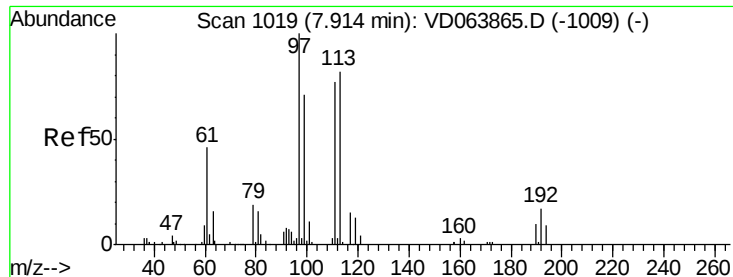
Ion Ratio Lower Upper

114 100

63 20.5 0.0 38.4

88 14.5 0.0 27.4

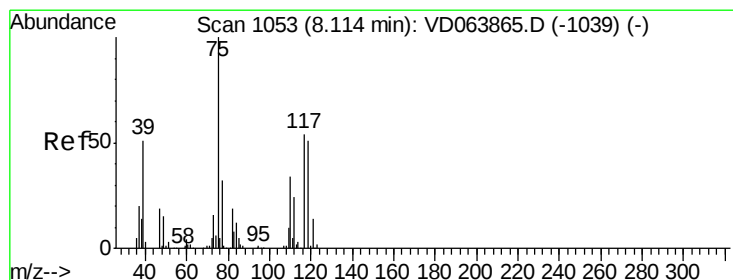
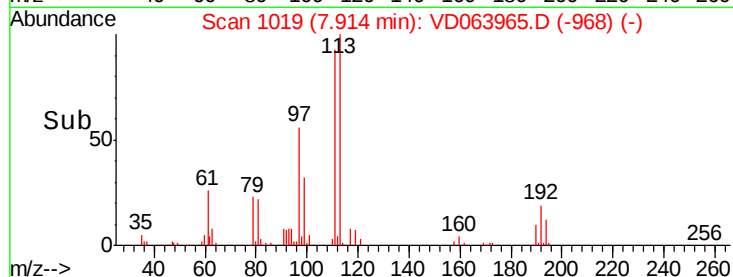
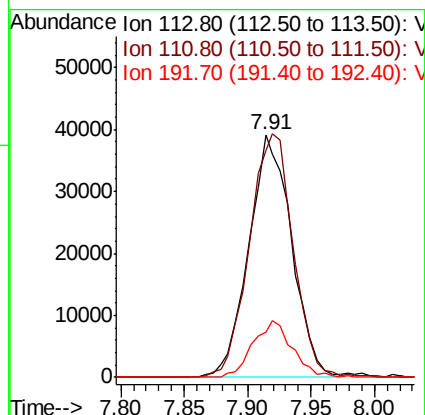
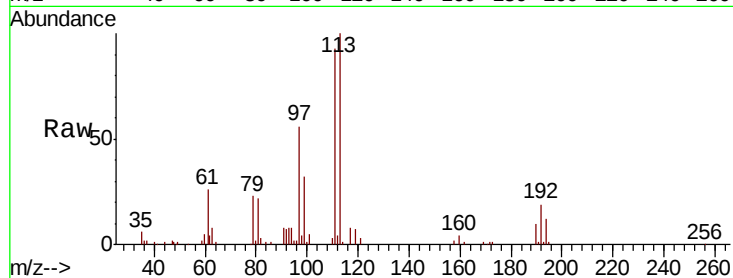




#35
 Dibromofluoromethane
 Concen: 51.469 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

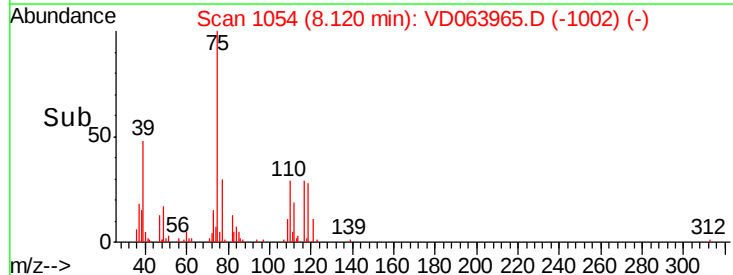
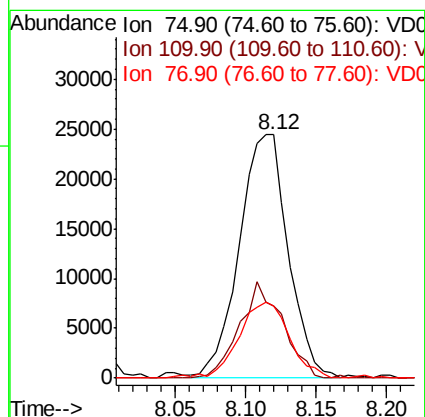
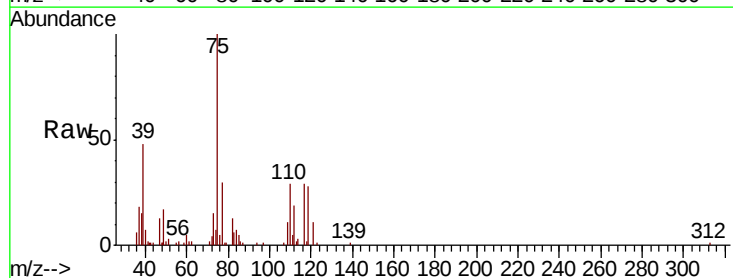
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

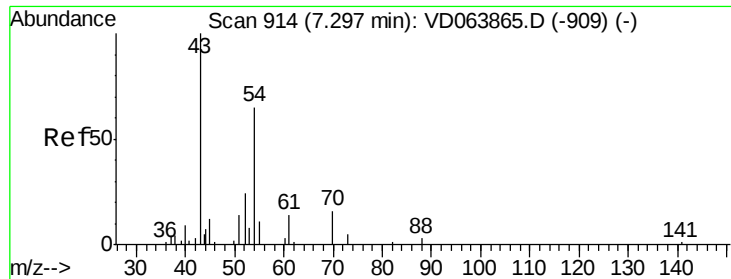
Tot Ion:113 Resp: 91862
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.6 123.8
 192 21.4 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 22.222 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Tgt Ion: 75 Resp: 59339
 Ion Ratio Lower Upper
 75 100
 110 34.8 17.4 52.3
 77 32.3 25.4 38.0

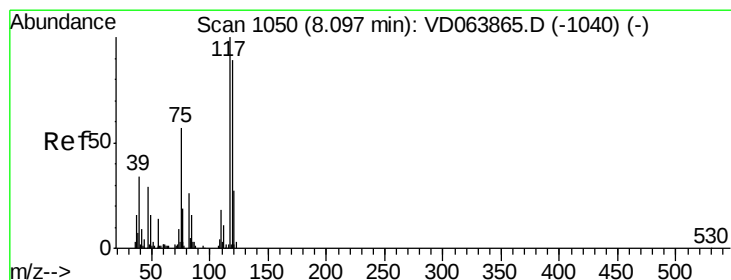
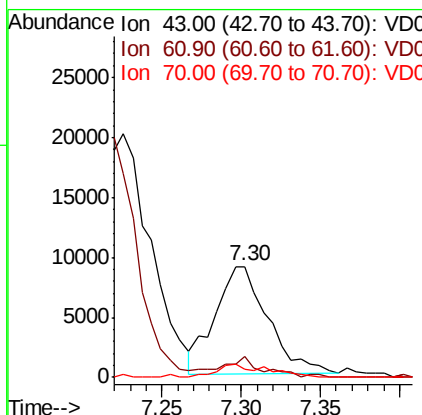
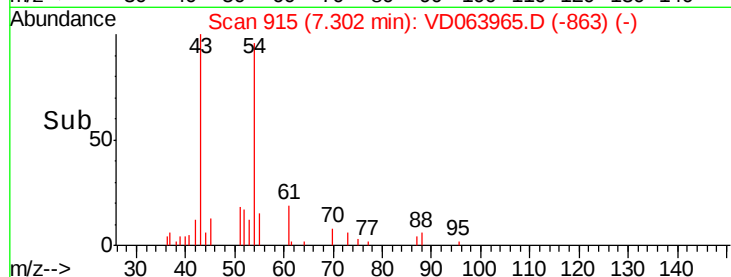
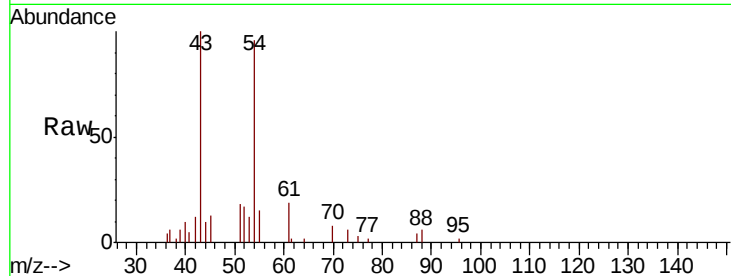




#37
Ethyl Acetate
Concen: 16.872 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

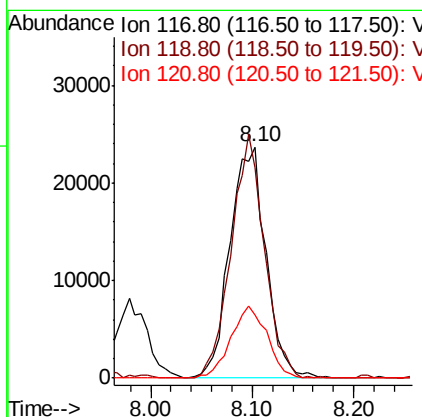
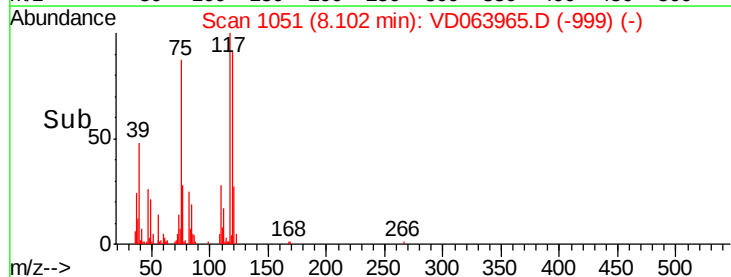
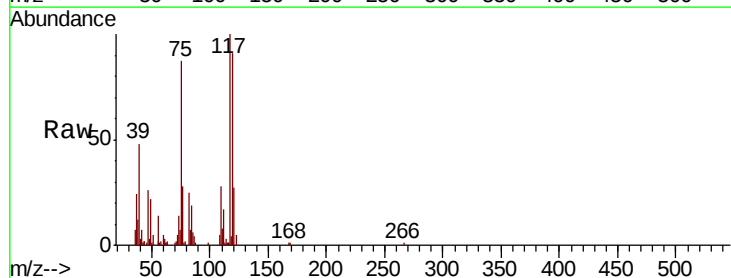
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

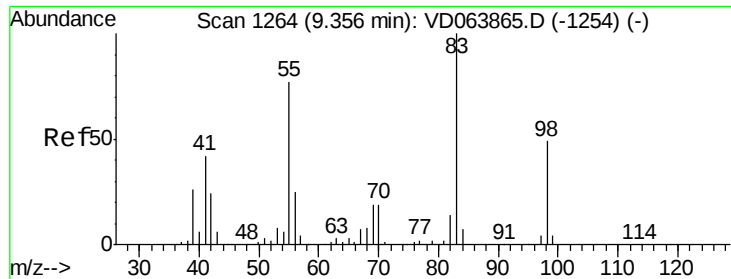
Tot Ion: 43 Resp: 20895
Ion Ratio Lower Upper
43 100
61 13.7 11.5 17.3
70 7.4 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 21.735 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion: 117 Resp: 58651
Ion Ratio Lower Upper
117 100
119 91.2 70.8 106.2
121 27.4 21.4 32.0

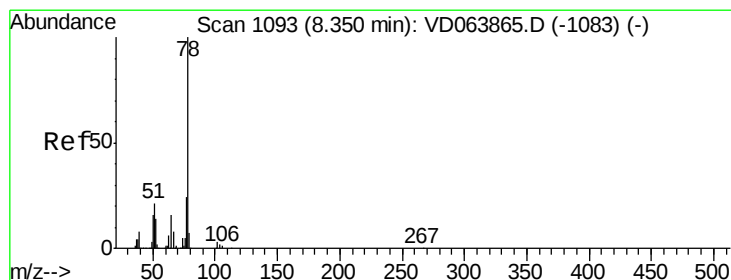
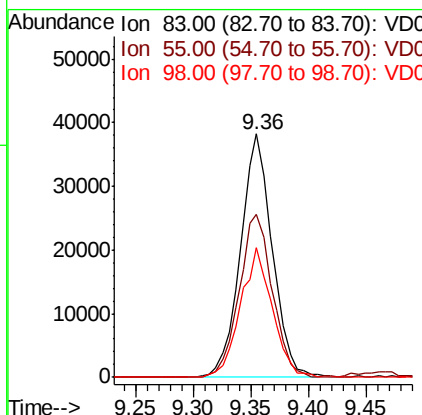
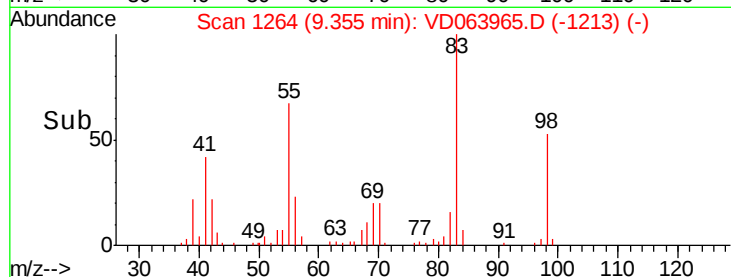
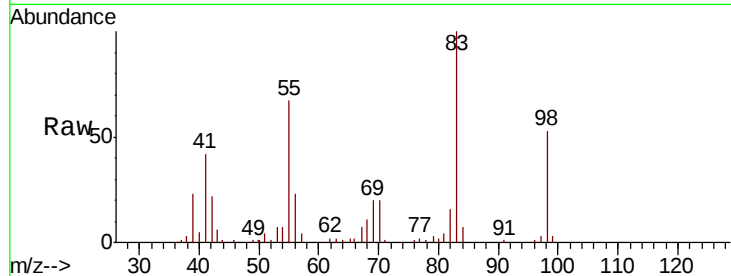




#39
Methvlcvclohexane
Concen: 22.259 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

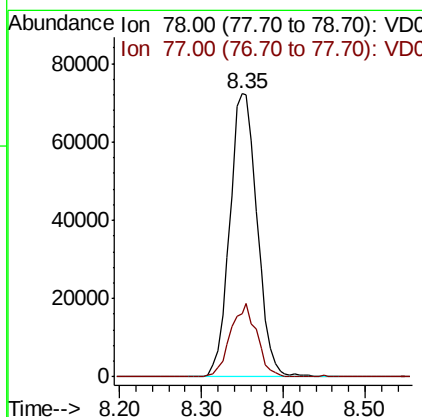
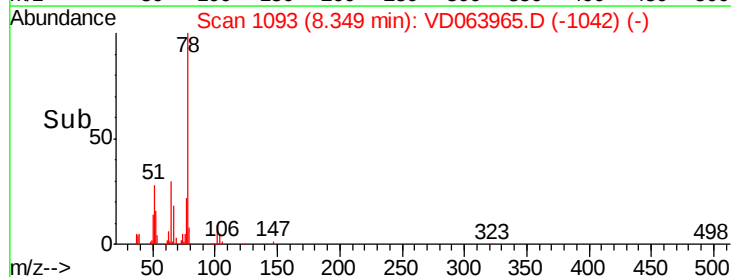
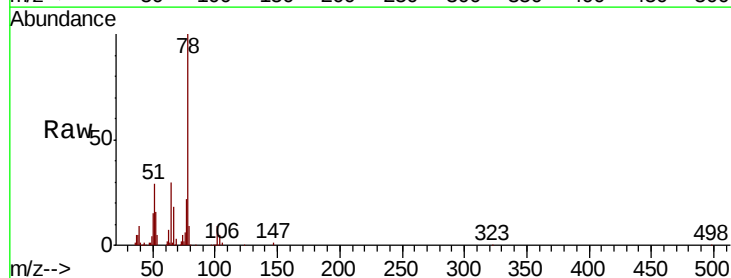
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

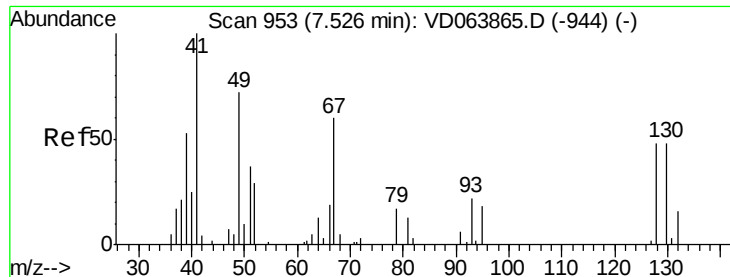
Tot Ion: 83 Resp: 73083
Ion Ratio Lower Upper
83 100
55 67.0 61.3 91.9
98 53.4 39.3 58.9



#40
Benzene
Concen: 22.032 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion: 78 Resp: 168594
Ion Ratio Lower Upper
78 100
77 22.3 19.0 28.6

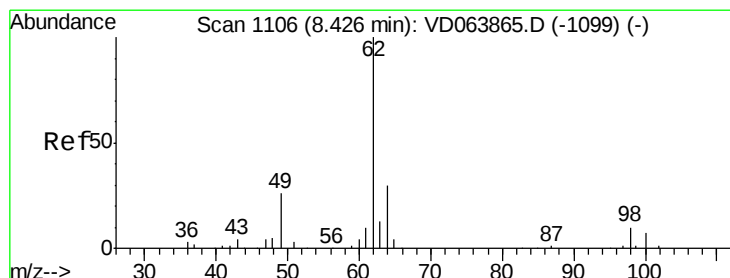
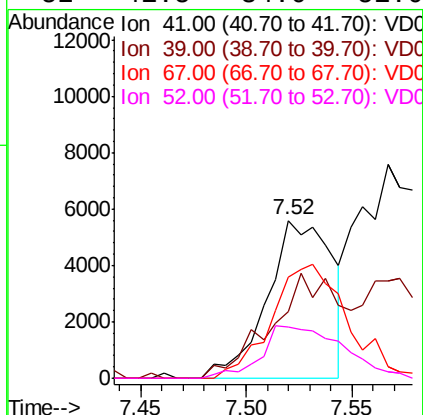
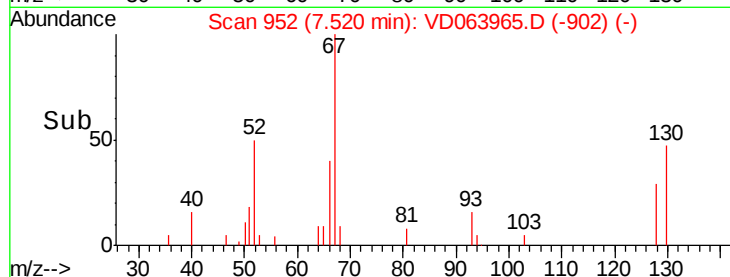
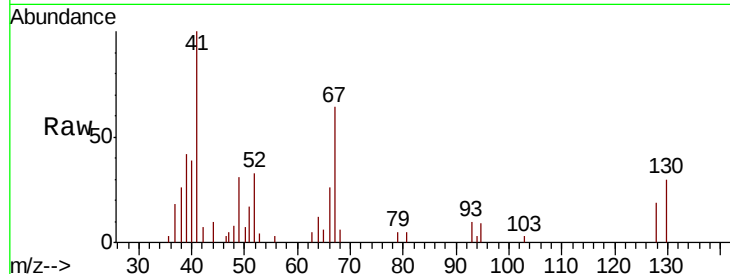




#41
Methacrylonitrile
Concen: 19.289 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

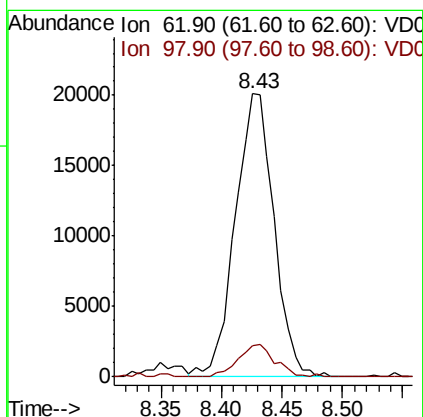
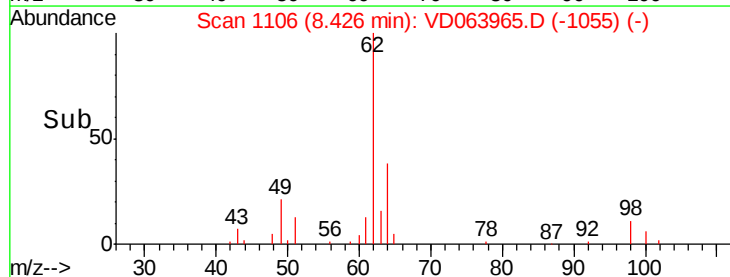
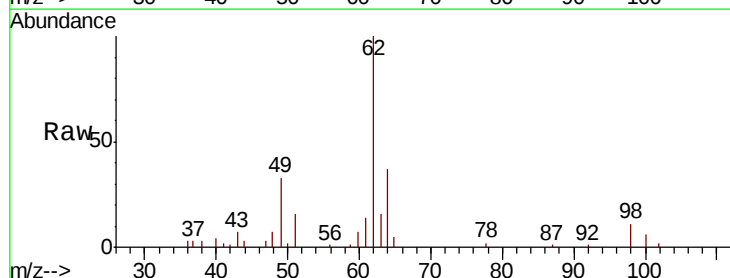
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

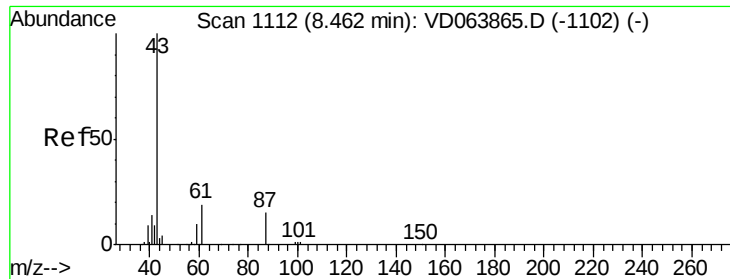
Tot Ion: 41 Resp: 11942
Ion Ratio Lower Upper
41 100
39 71.2 52.6 78.8
67 84.3 74.2 111.2
52 41.5 34.0 51.0



#42
1,2-Dichloroethane
Concen: 20.315 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion: 62 Resp: 44969
Ion Ratio Lower Upper
62 100
98 10.8 0.0 20.0





#43

Isopropyl Acetate

Concen: 18.773 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

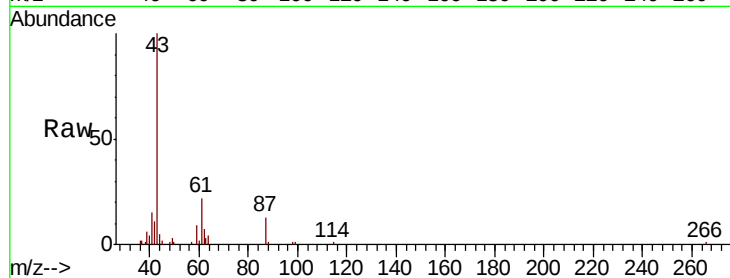
Tot Ion: 43 Resp: 42041

Ion Ratio Lower Upper

43 100

61 34.7 25.7 38.5

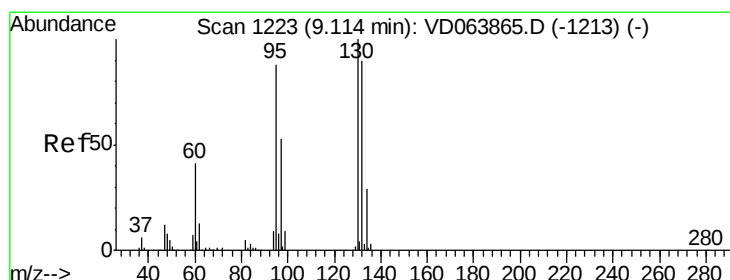
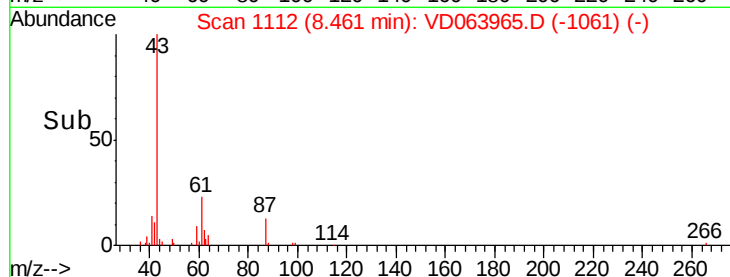
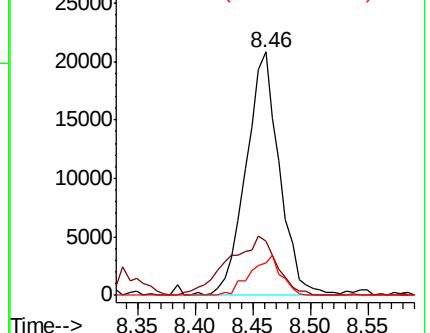
87 14.8 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.905 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063965.D

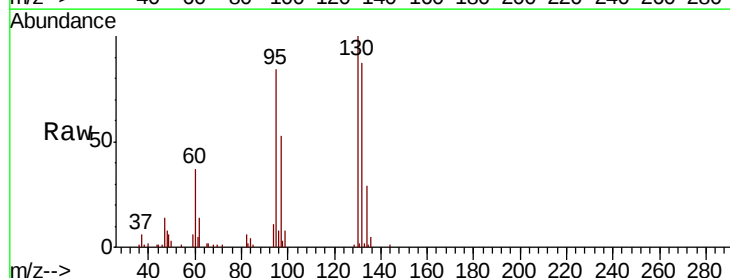
Acq: 15 Oct 2019 12:03

Tgt Ion:130 Resp: 48337

Ion Ratio Lower Upper

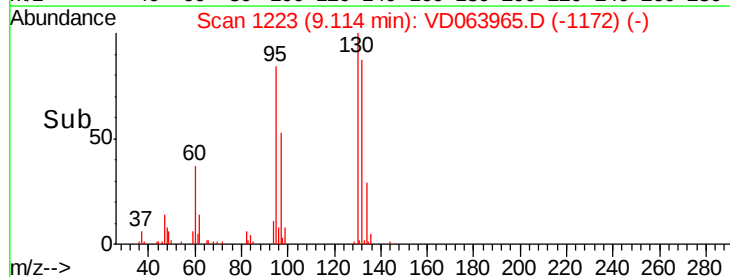
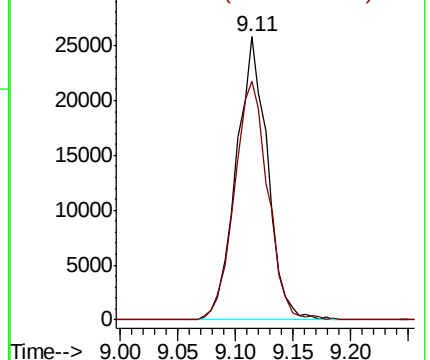
130 100

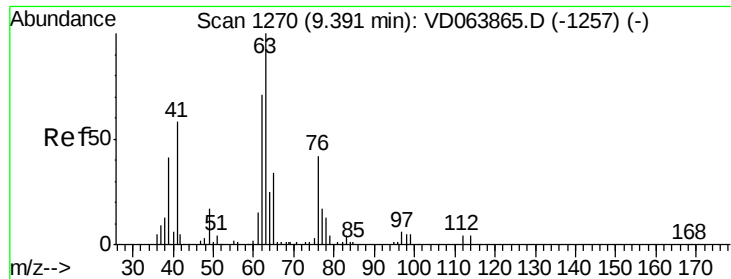
95 84.2 0.0 175.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

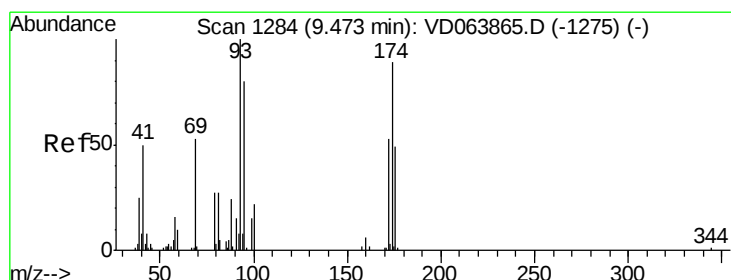
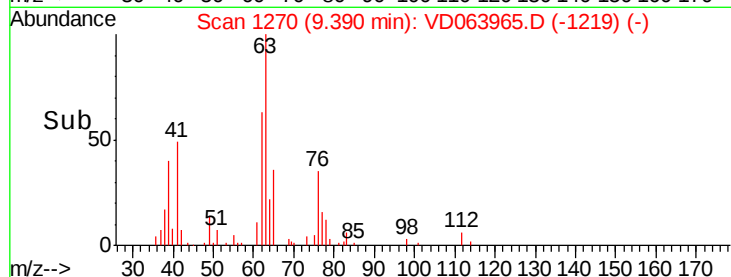
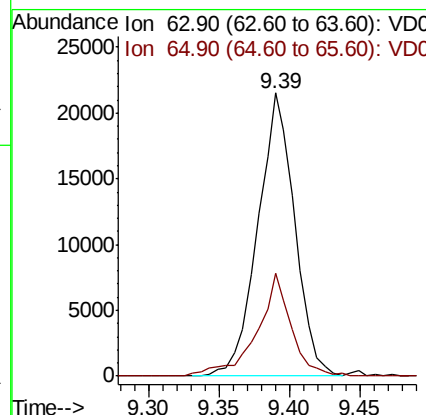
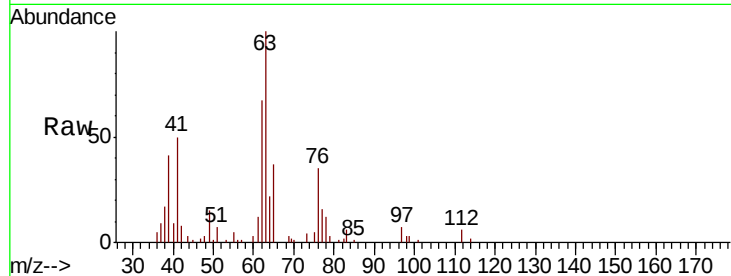




#45
 1,2-Dichloropropane
 Concen: 21.023 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

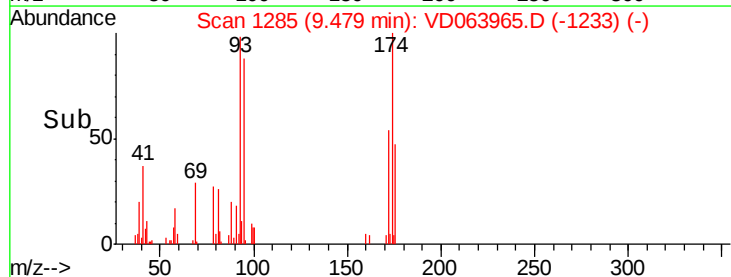
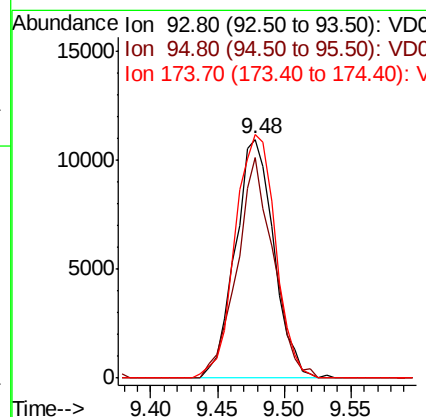
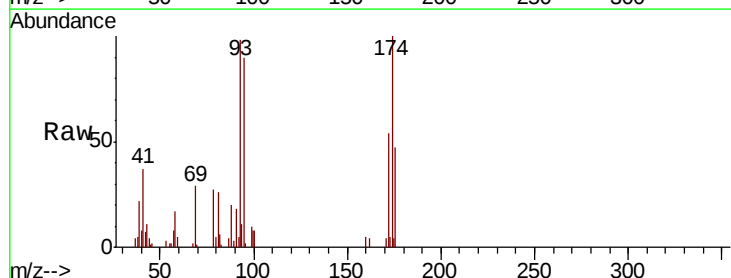
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

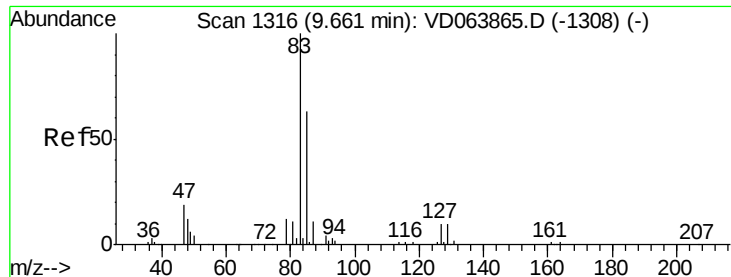
Tot Ion: 63 Resp: 39376
 Ion Ratio Lower Upper
 63 100
 65 35.5 27.3 40.9



#46
 Dibromomethane
 Concen: 20.648 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Tgt Ion: 93 Resp: 22025
 Ion Ratio Lower Upper
 93 100
 95 87.0 66.0 99.0
 174 106.4 83.4 125.0





#47

Bromodichloromethane

Concen: 19.521 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

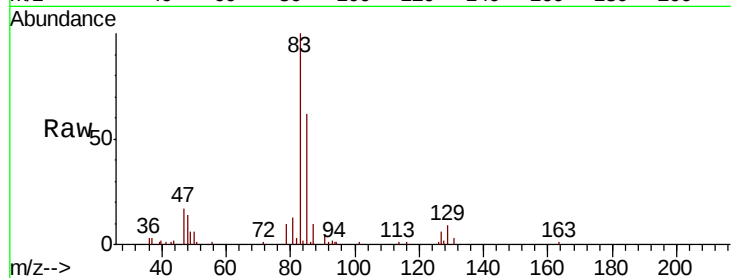
Tot Ion: 83 Resp: 53611

Ion Ratio Lower Upper

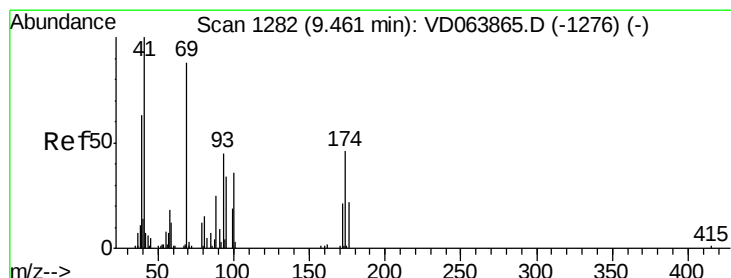
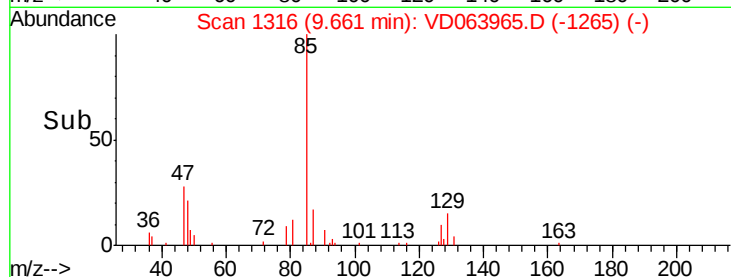
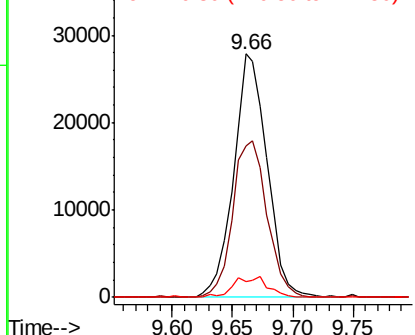
83 100

85 62.1 50.2 75.2

127 6.3 7.6 11.4#



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 18.520 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

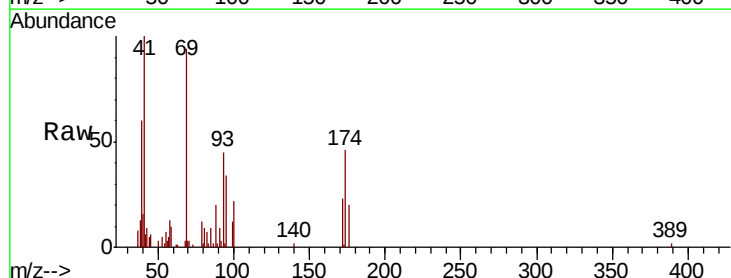
Tgt Ion: 41 Resp: 19872

Ion Ratio Lower Upper

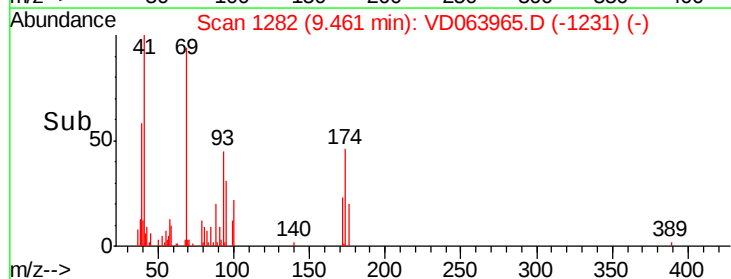
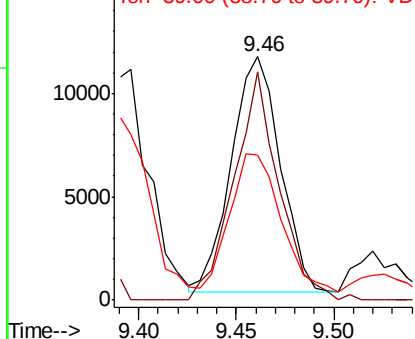
41 100

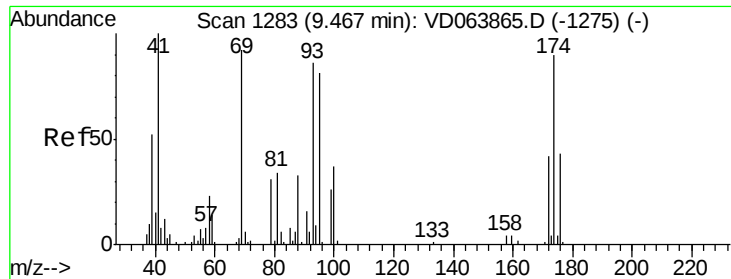
69 88.8 75.1 112.7

39 62.1 50.2 75.2



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

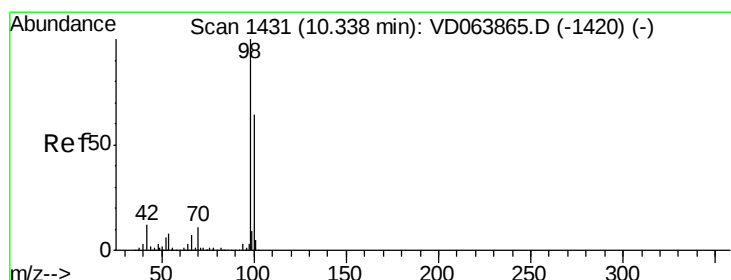
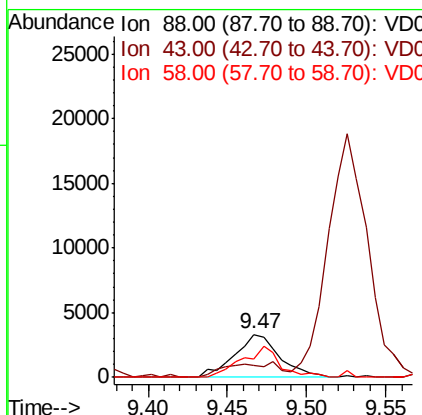
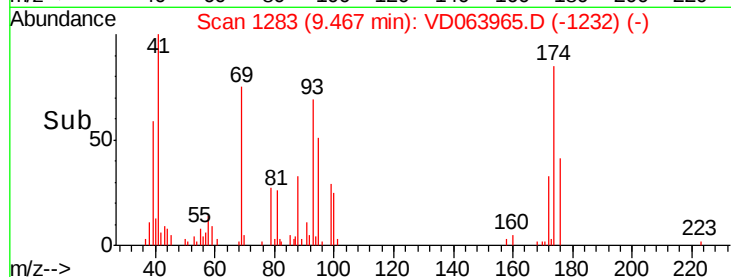
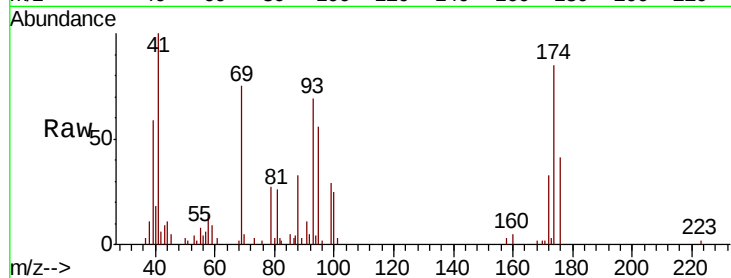




#49
1,4-Dioxane
Concen: 446.552 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

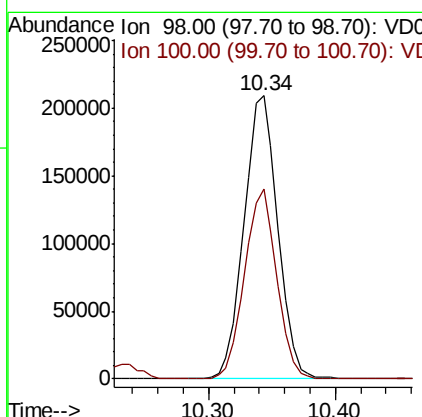
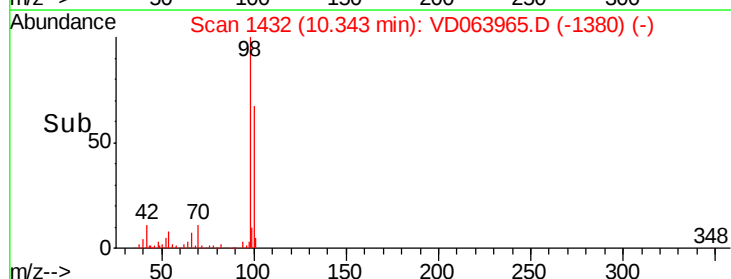
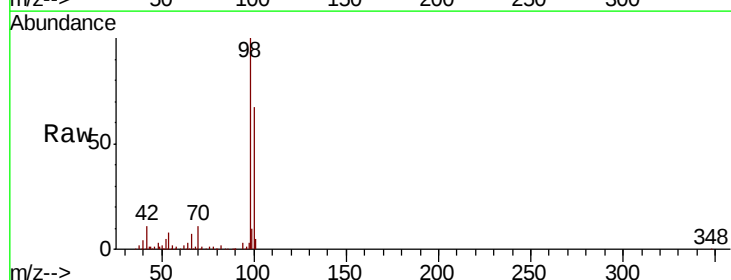
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

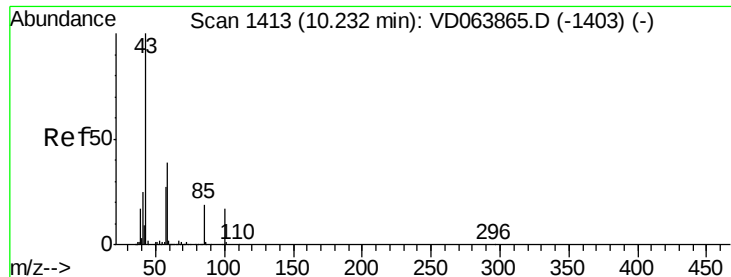
Tot Ion: 88 Resp: 6502
Ion Ratio Lower Upper
88 100
43 40.7 27.6 41.4
58 62.8 54.1 81.1



#50
Toluene-d8
Concen: 53.420 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion: 98 Resp: 386992
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 98.375 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

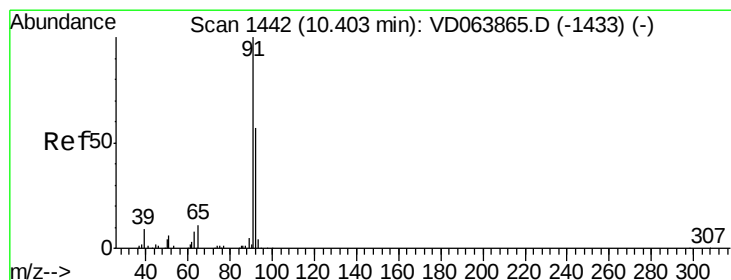
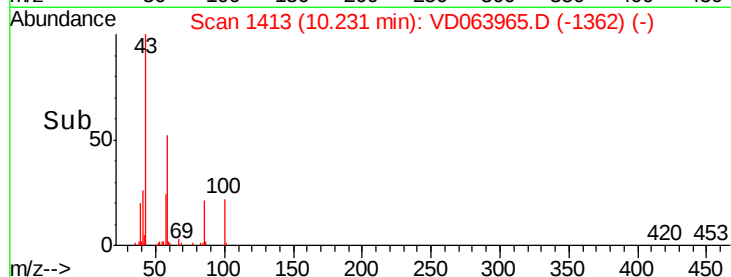
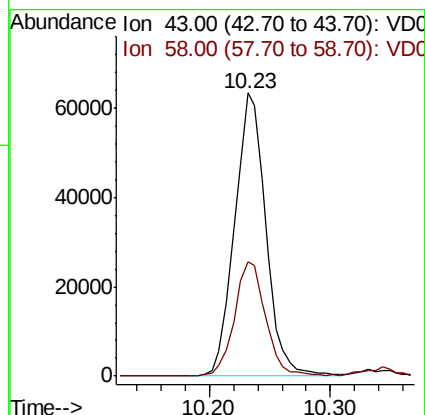
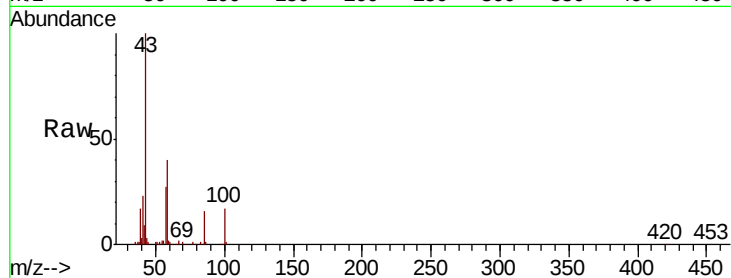
VD1015SBS01

Tot Ion: 43 Resp: 114254

Ion Ratio Lower Upper

43 100

58 40.3 33.0 49.4



#52

Toluene

Concen: 21.075 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063965.D

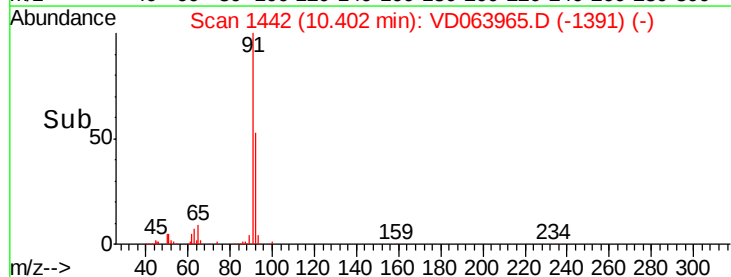
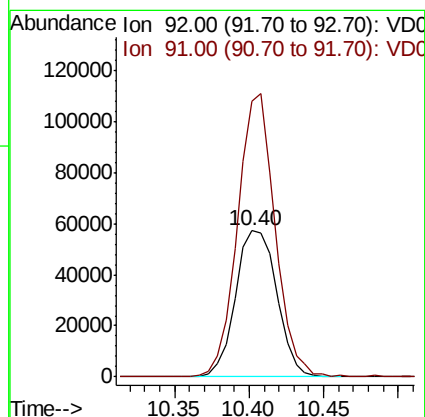
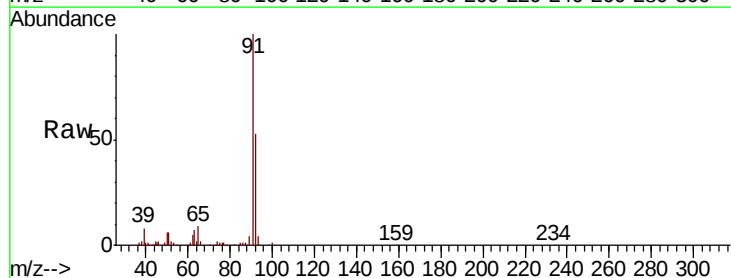
Acq: 15 Oct 2019 12:03

Tgt Ion: 92 Resp: 110708

Ion Ratio Lower Upper

92 100

91 174.6 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 19.952 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

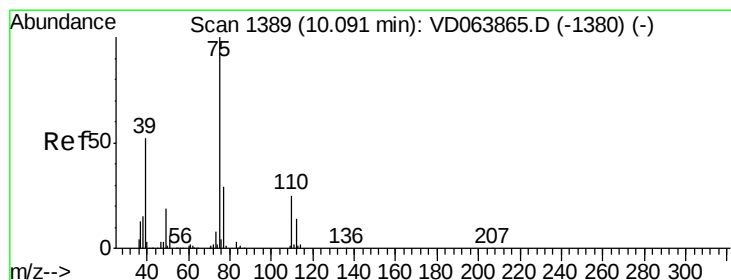
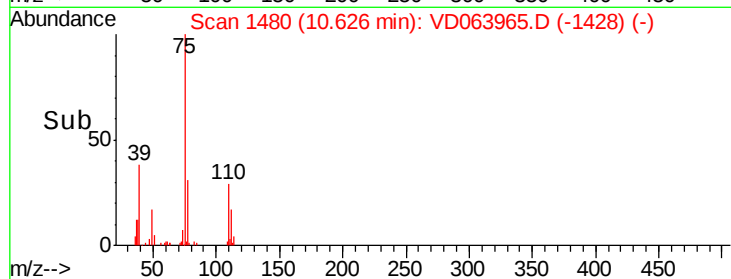
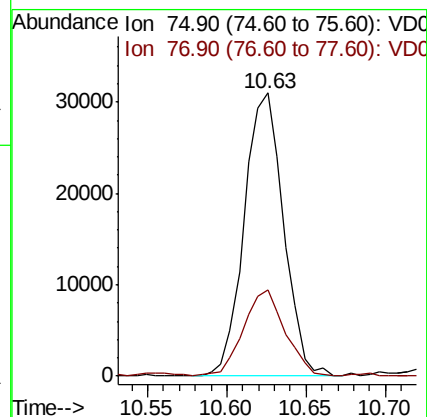
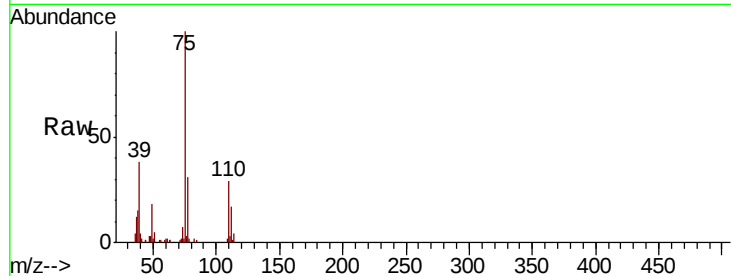
VD1015SBS01

Tot Ion: 75 Resp: 53470

Ion Ratio Lower Upper

75 100

77 30.7 22.8 34.2



#54

cis-1,3-Dichloropropene

Concen: 19.258 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

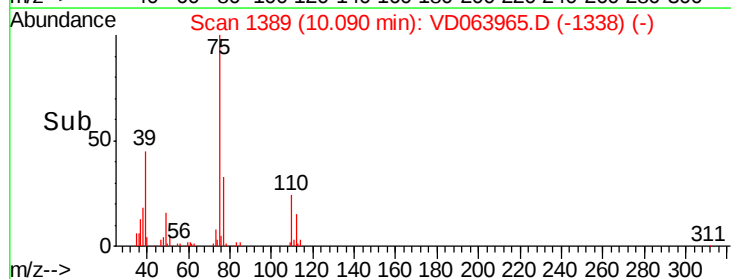
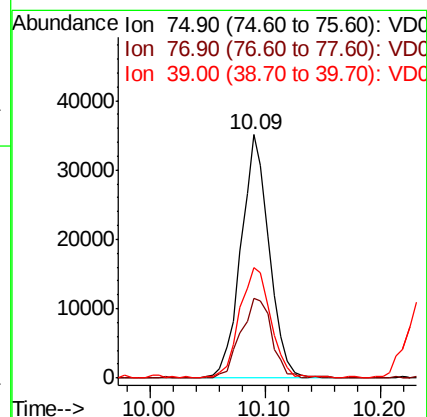
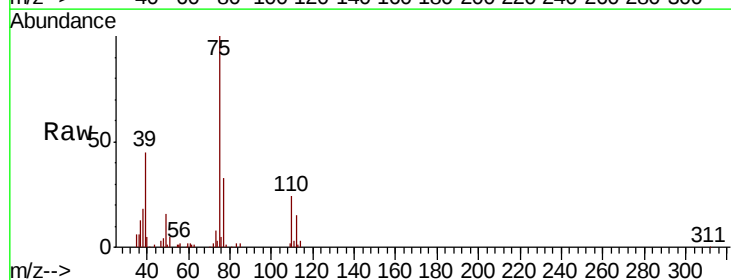
Tgt Ion: 75 Resp: 59410

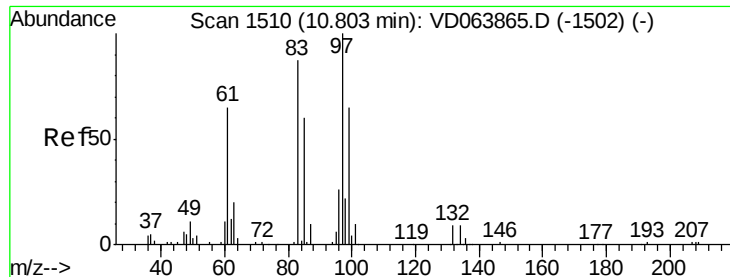
Ion Ratio Lower Upper

75 100

77 32.6 23.2 34.8

39 45.4 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 20.608 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

Tot Ion: 97 Resp: 31038

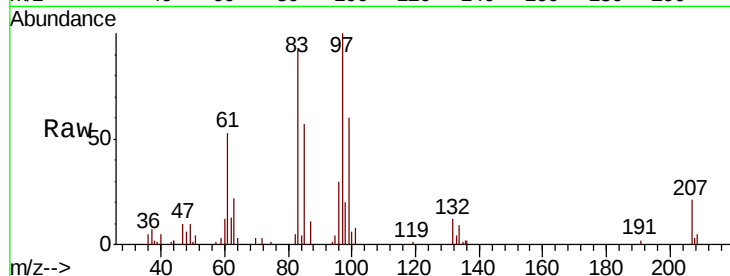
Ion Ratio Lower Upper

97 100

83 91.6 69.7 104.5

85 55.7 48.1 72.1

99 59.7 51.9 77.9



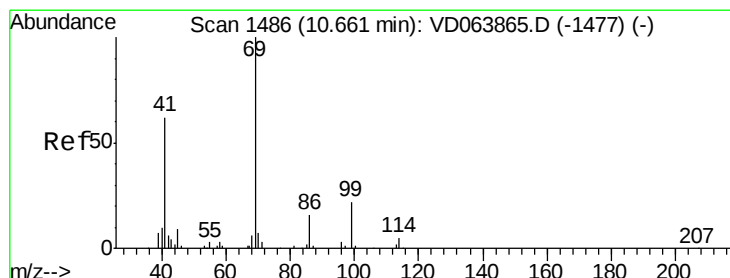
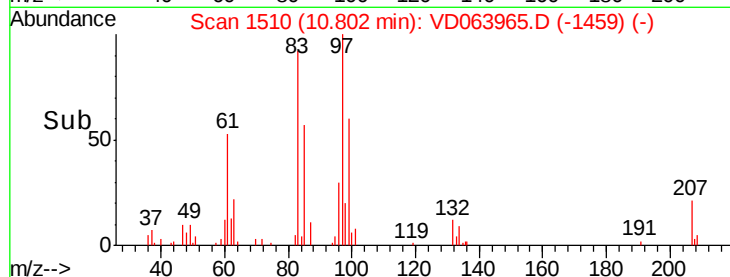
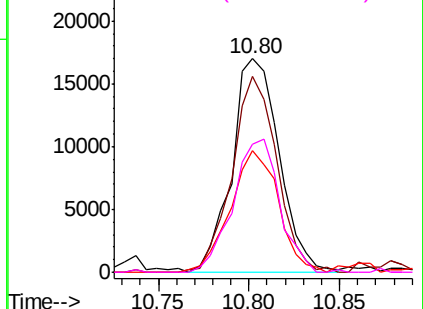
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 19.162 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

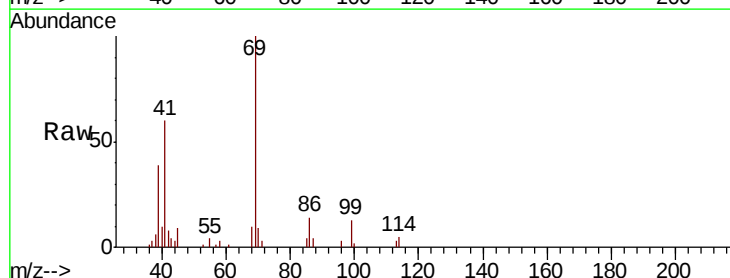
Tgt Ion: 69 Resp: 36547

Ion Ratio Lower Upper

69 100

41 62.3 51.3 76.9

39 38.3 28.0 42.0

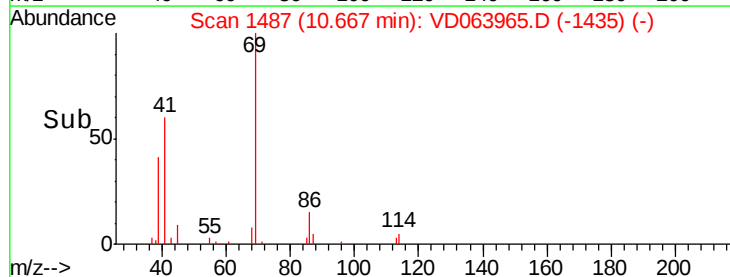
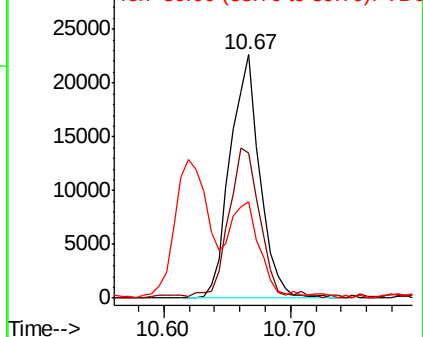


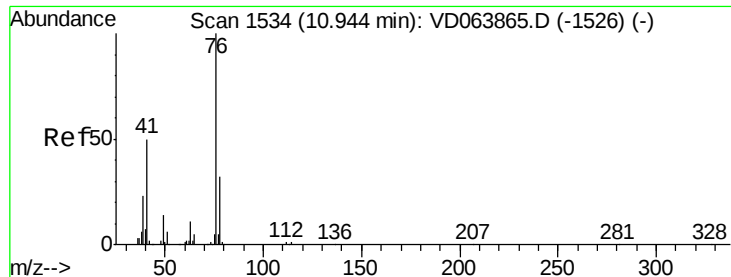
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 20.087 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

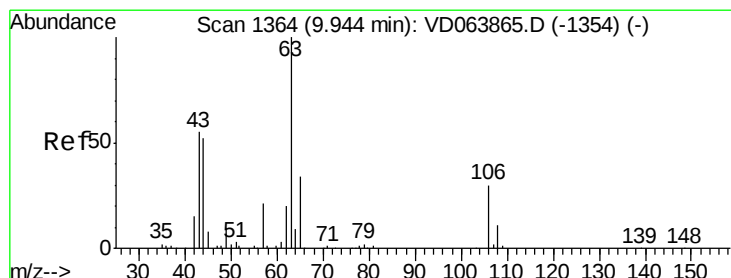
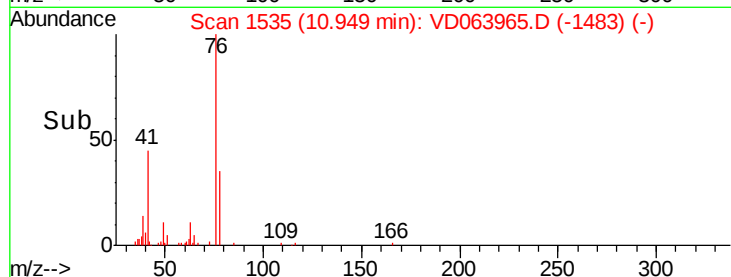
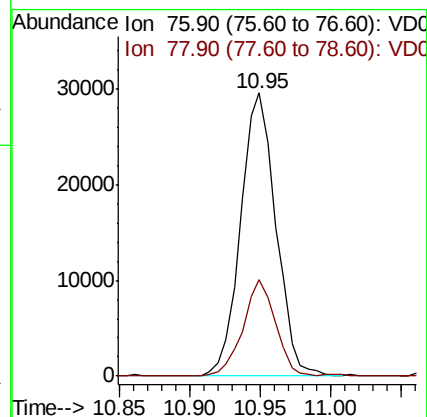
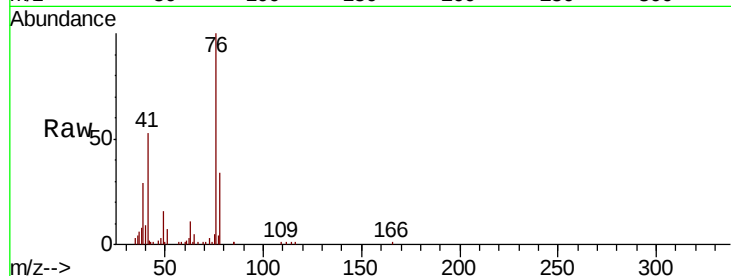
VD1015SBS01

Tot Ion: 76 Resp: 51764

Ion Ratio Lower Upper

76 100

78 31.3 26.6 40.0



#58

2-Chloroethyl Vinyl ether

Concen: 95.601 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD063965.D

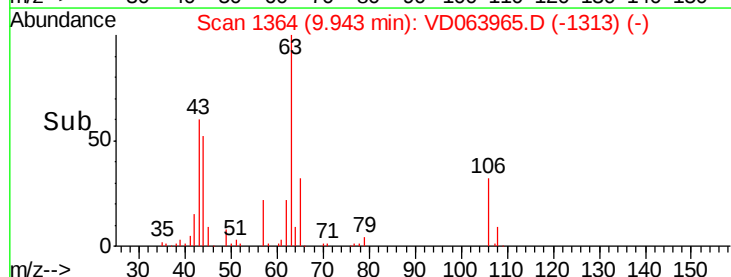
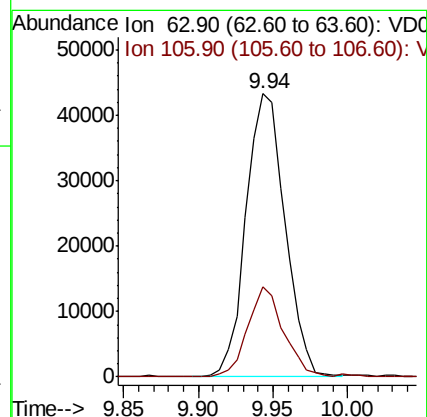
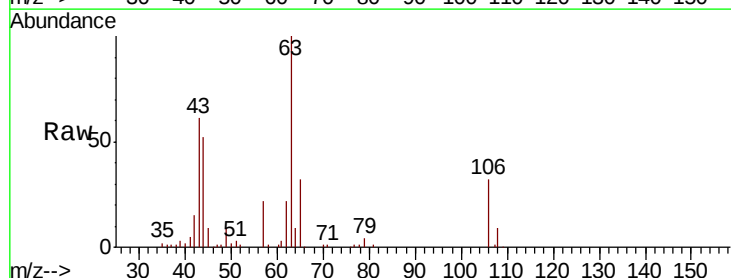
Acq: 15 Oct 2019 12:03

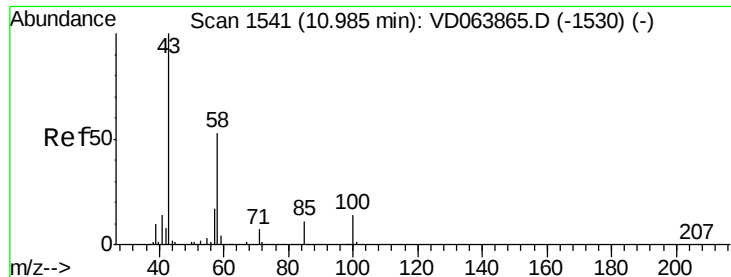
Tgt Ion: 63 Resp: 78377

Ion Ratio Lower Upper

63 100

106 29.2 24.3 36.5

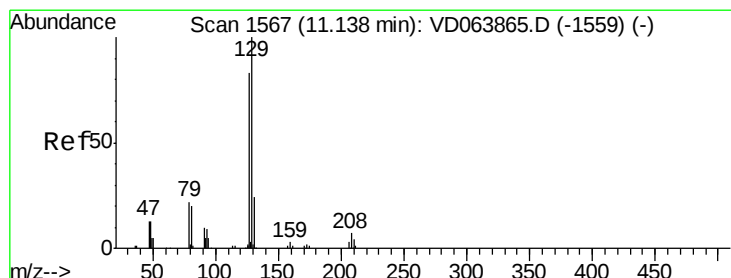
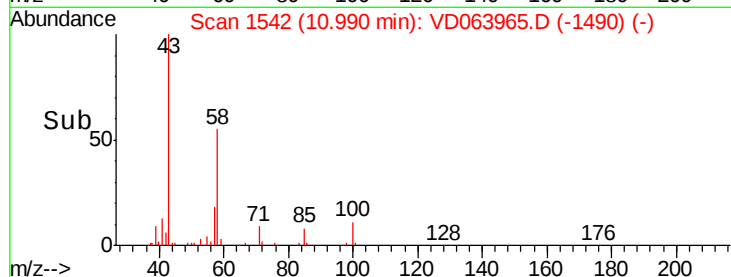
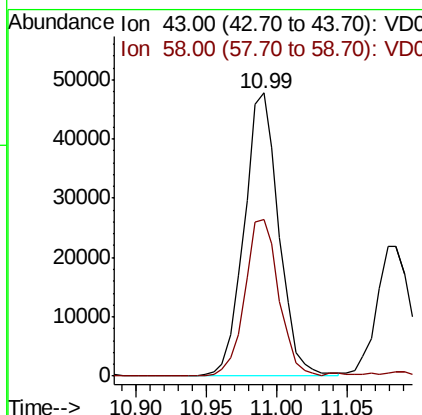
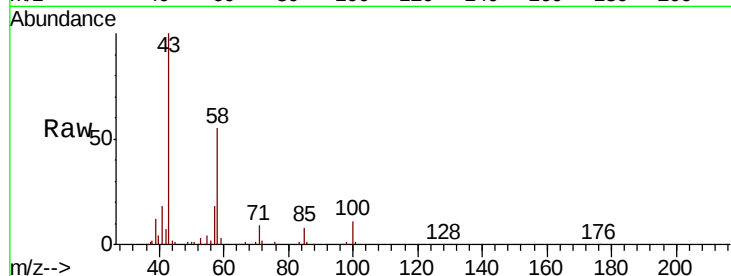




#59
2-Hexanone
Concen: 98.090 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

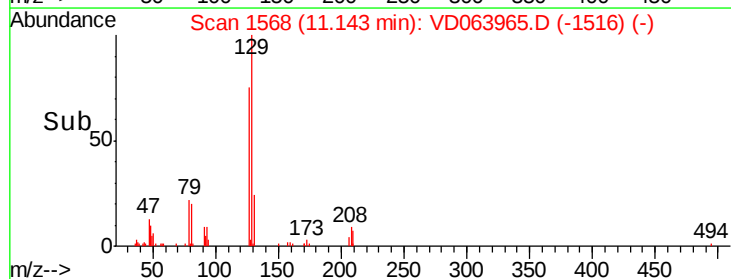
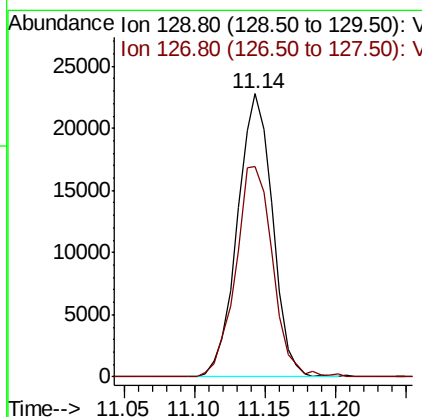
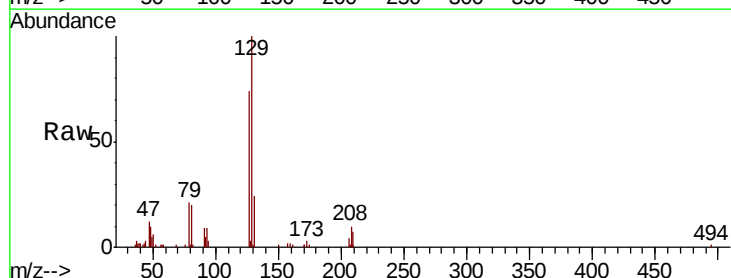
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

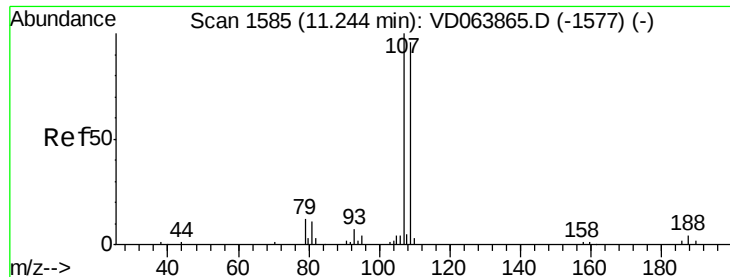
Tot Ion: 43 Resp: 82408
Ion Ratio Lower Upper
43 100
58 54.1 27.7 83.0



#60
Dibromochloromethane
Concen: 20.181 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion: 129 Resp: 39571
Ion Ratio Lower Upper
129 100
127 78.5 39.9 119.6

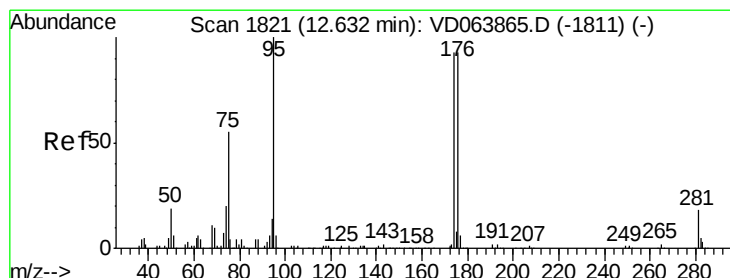
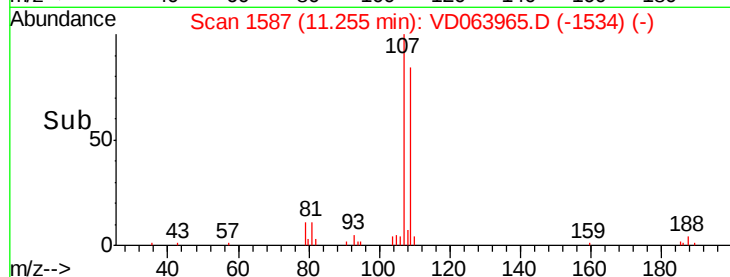
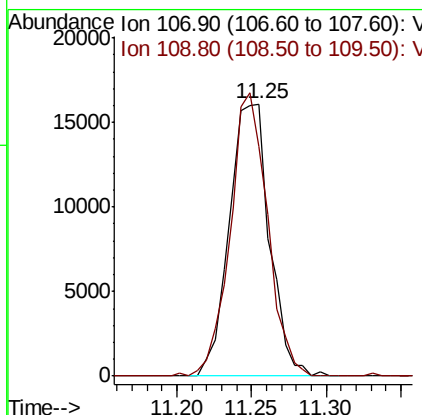
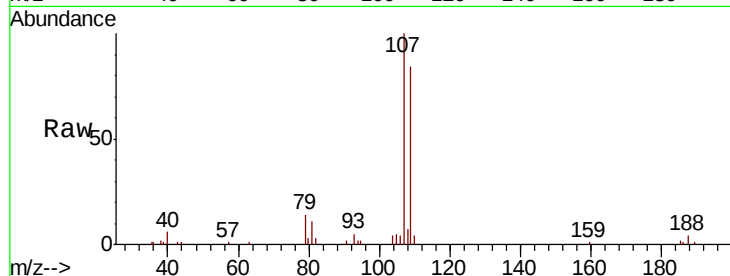




#61
 1,2-Dibromoethane
 Concen: 20.743 ug/l
 RT: 11.25 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

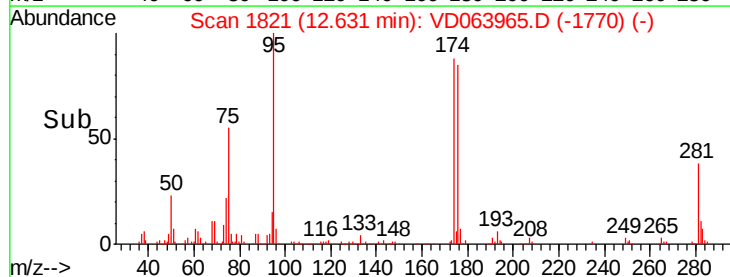
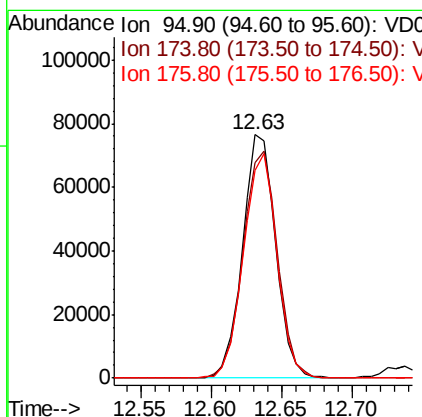
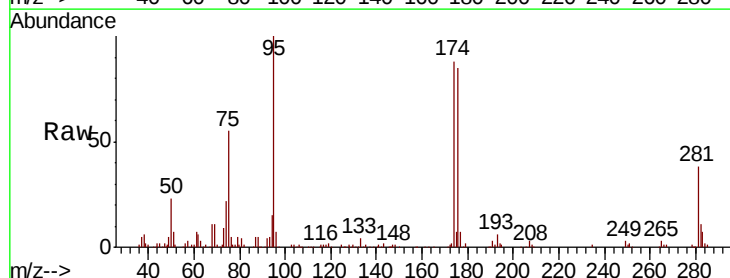
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

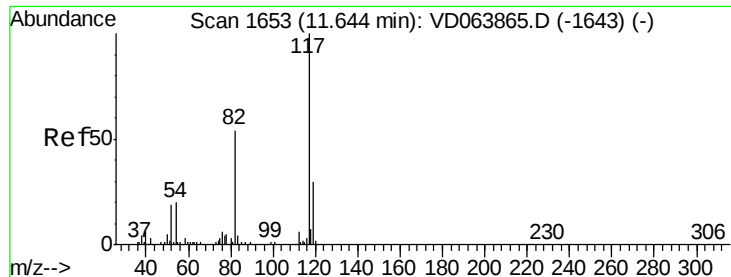
Tot Ion:107 Resp: 30288
 Ion Ratio Lower Upper
 107 100
 109 96.6 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 49.877 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Tgt Ion: 95 Resp: 125560
 Ion Ratio Lower Upper
 95 100
 174 97.1 0.0 186.4
 176 93.8 0.0 184.2

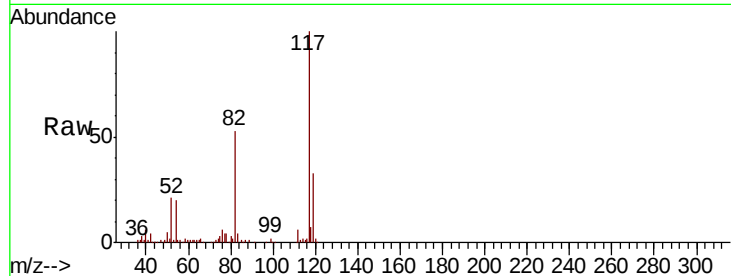




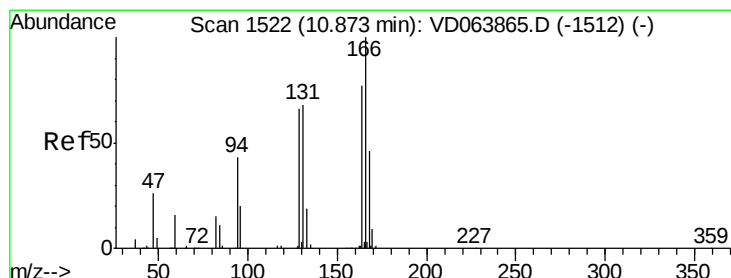
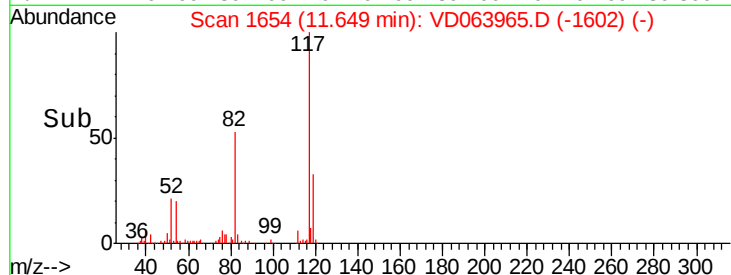
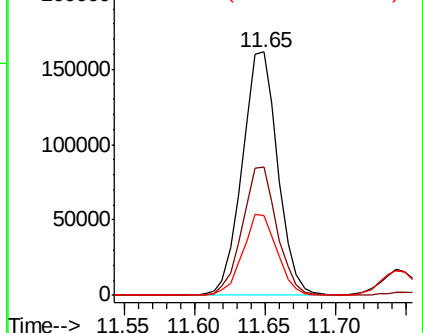
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion:117 Resp: 285053
Ion Ratio Lower Upper
117 100
82 52.8 42.8 64.2
119 33.0 24.4 36.6

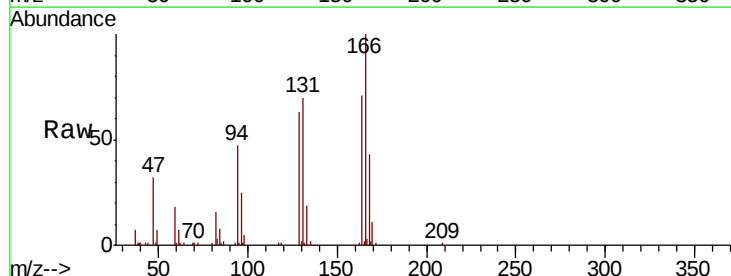


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

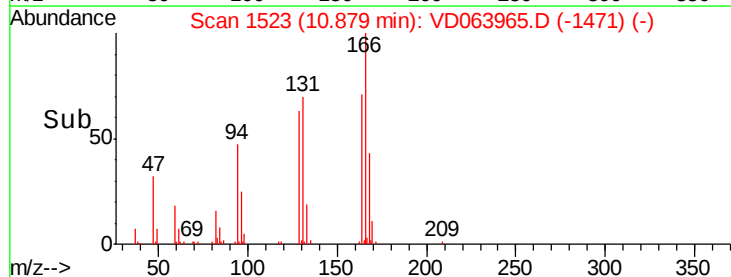
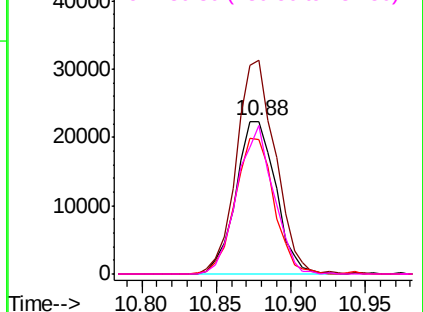


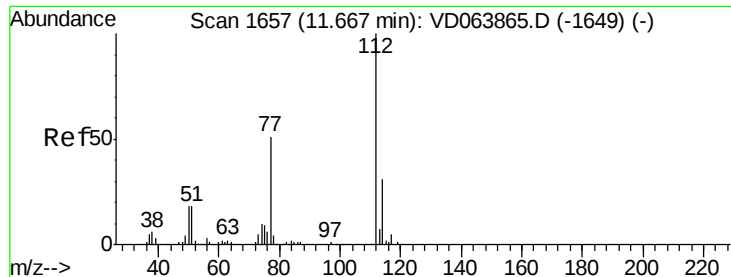
#64
Tetrachloroethene
Concen: 21.316 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion:164 Resp: 41481
Ion Ratio Lower Upper
164 100
166 139.9 103.8 155.6
129 87.7 68.9 103.3
131 97.5 70.9 106.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

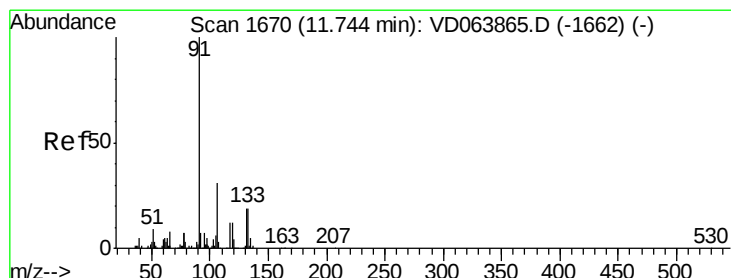
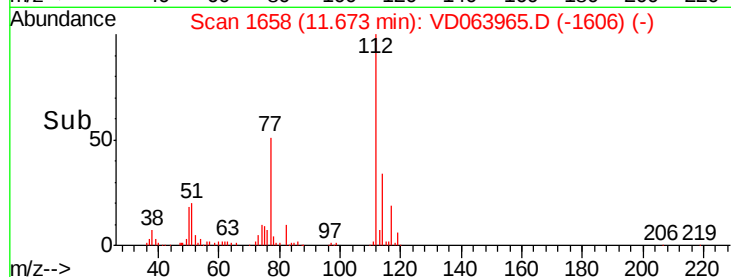
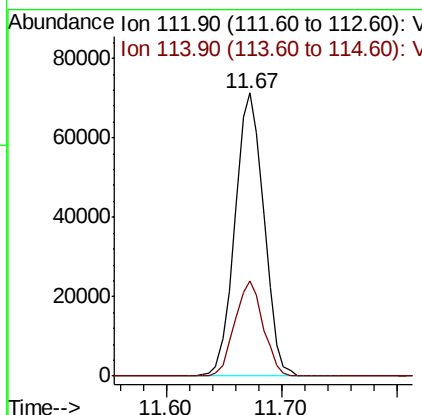
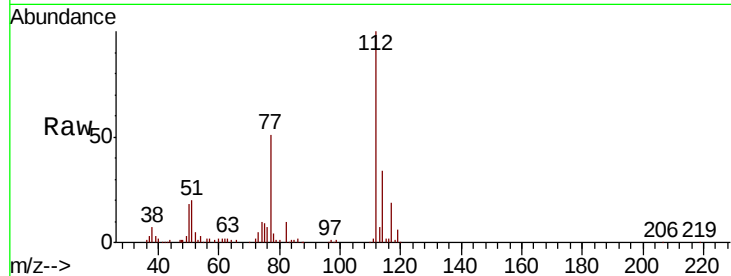




#65
Chlorobenzene
Concen: 21.639 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

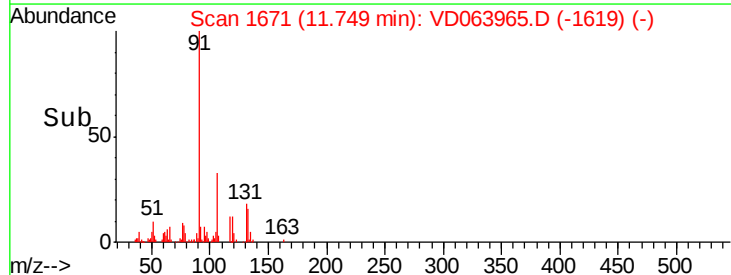
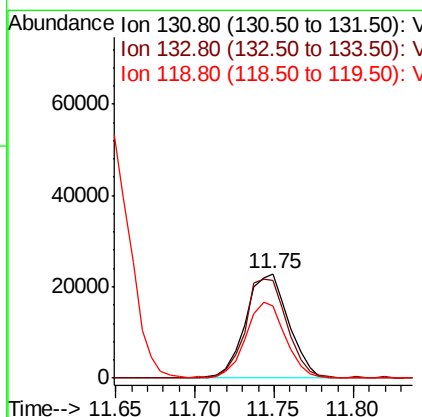
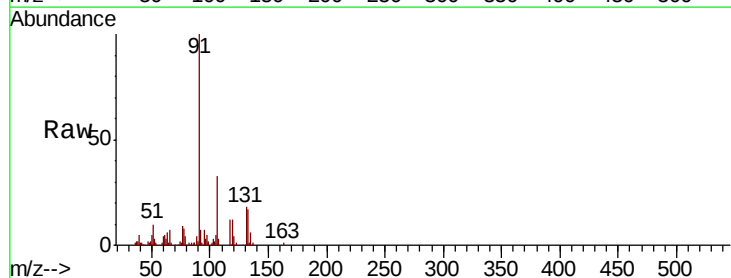
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

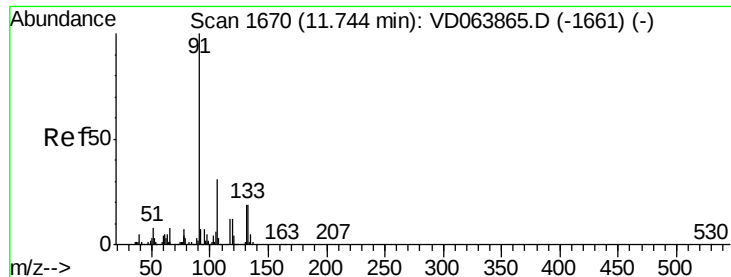
Tot Ion:112 Resp: 123877
Ion Ratio Lower Upper
112 100
114 33.7 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.392 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion:131 Resp: 43015
Ion Ratio Lower Upper
131 100
133 92.2 48.9 146.7
119 67.7 32.6 97.8





#67

Ethyl Benzene

Concen: 21.260 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

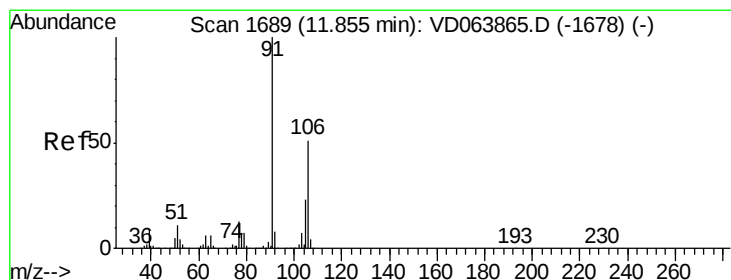
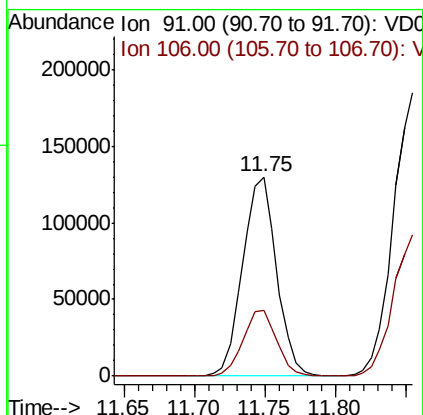
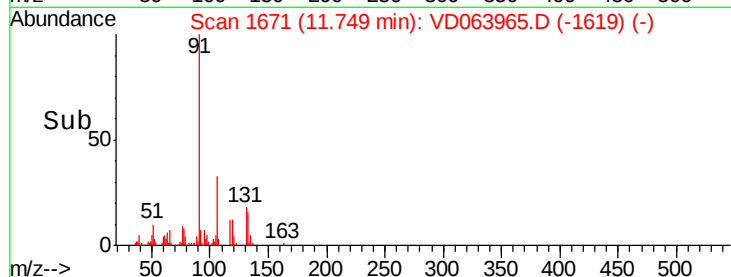
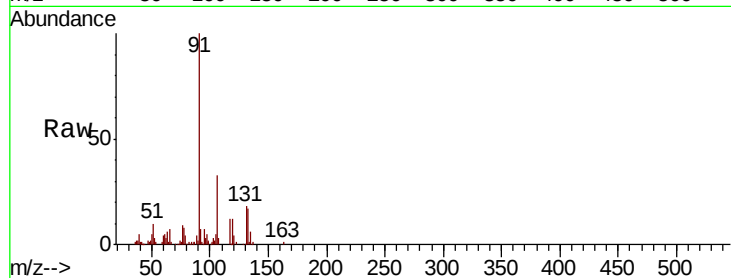
VD1015SBS01

Tot Ion: 91 Resp: 219461

Ion Ratio Lower Upper

91 100

106 32.8 24.6 37.0



#68

m/p-Xylenes

Concen: 44.007 ug/l

RT: 11.85 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063965.D

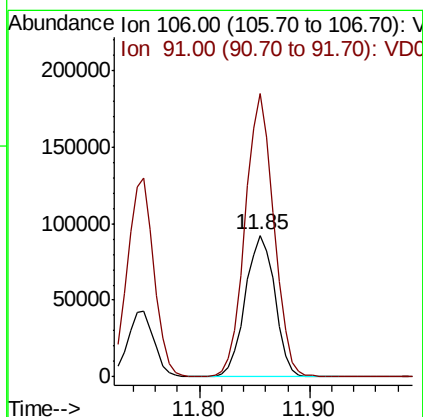
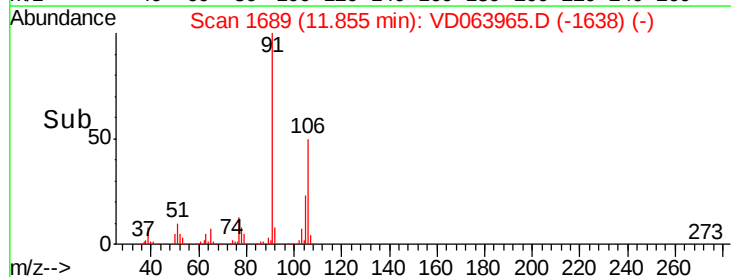
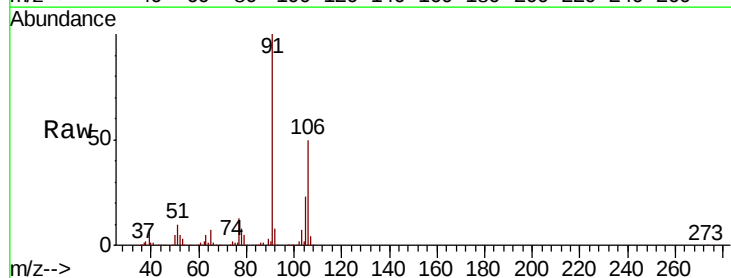
Acq: 15 Oct 2019 12:03

Tgt Ion: 106 Resp: 175339

Ion Ratio Lower Upper

106 100

91 192.4 154.8 232.2

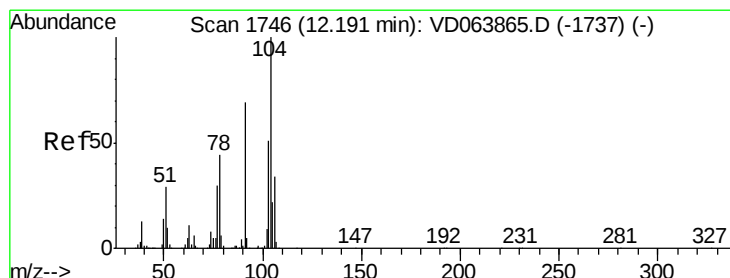
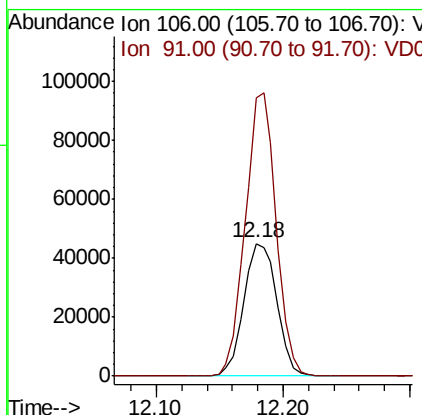
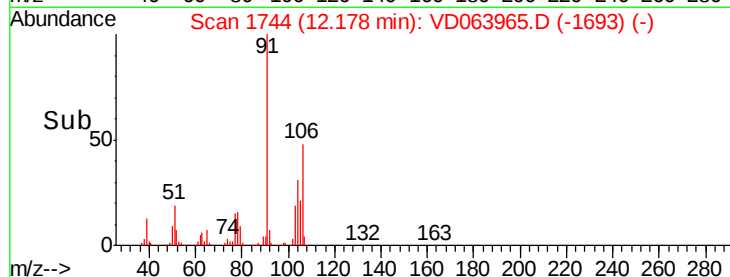
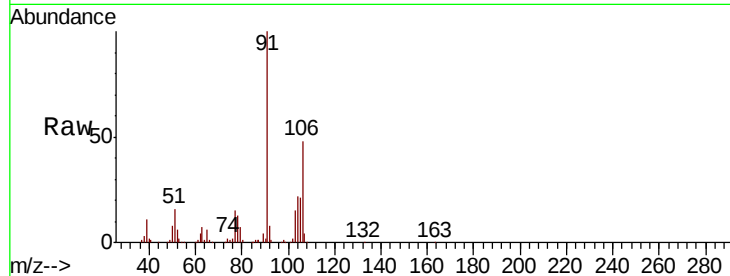




#69
o-Xylene
Concen: 21.365 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

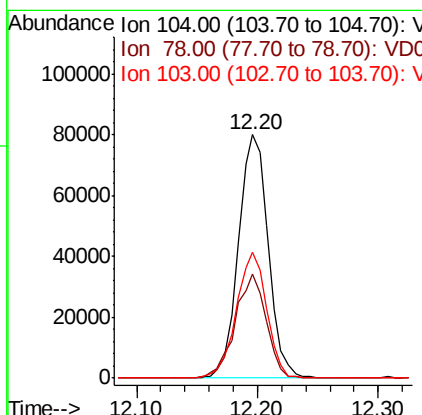
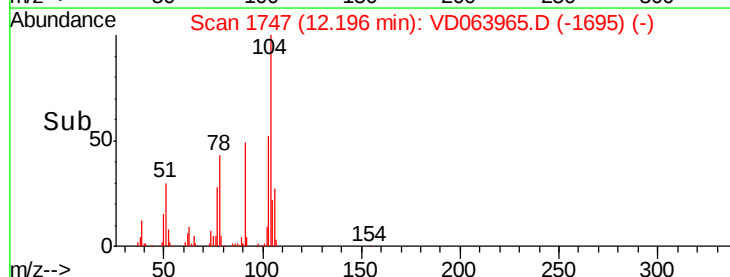
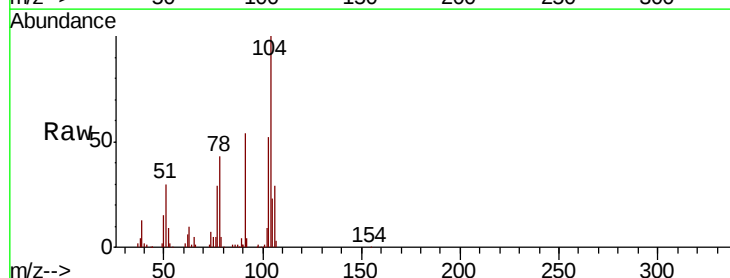
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

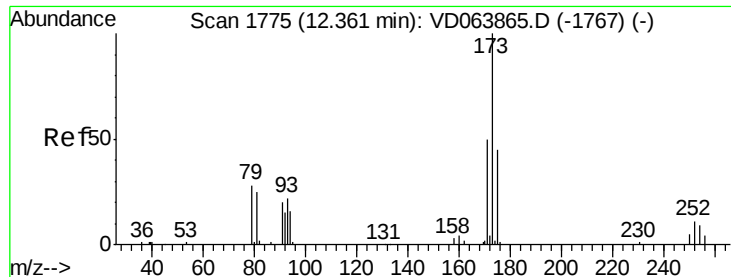
Tot Ion:106 Resp: 81512
Ion Ratio Lower Upper
106 100
91 200.1 103.9 311.7



#70
Styrene
Concen: 21.284 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion:104 Resp: 137460
Ion Ratio Lower Upper
104 100
78 44.6 37.0 55.4
103 52.7 44.2 66.4





#71

Bromoform

Concen: 21.021 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

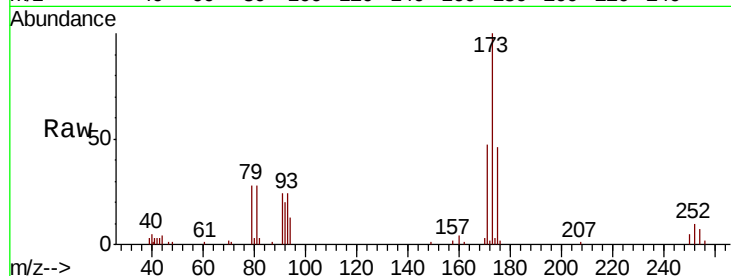
Tot Ion:173 Resp: 23797

Ion Ratio Lower Upper

173 100

175 44.8 24.6 74.0

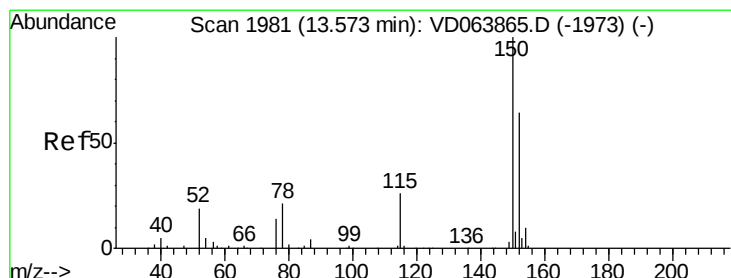
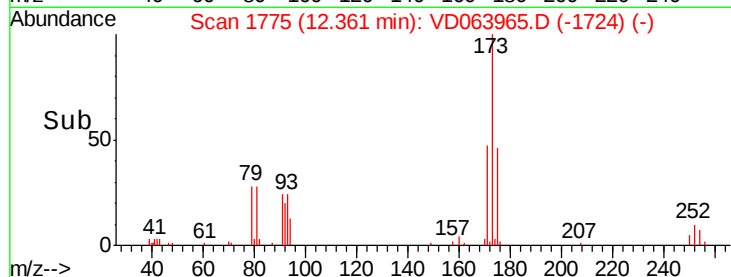
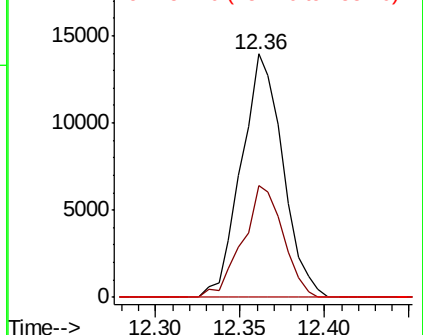
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

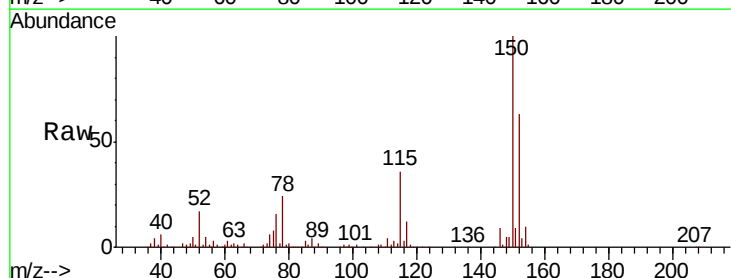
Tgt Ion:152 Resp: 152575

Ion Ratio Lower Upper

152 100

115 57.3 25.9 77.7

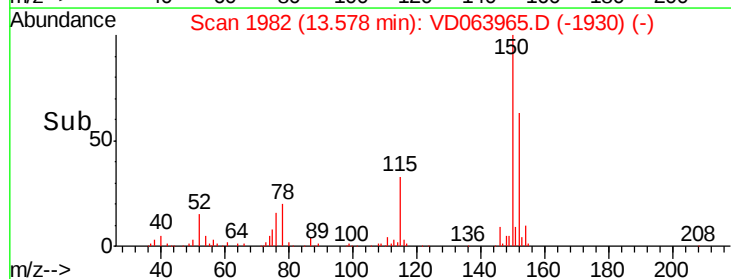
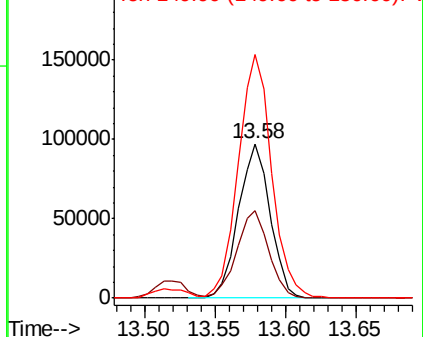
150 166.0 0.0 344.2

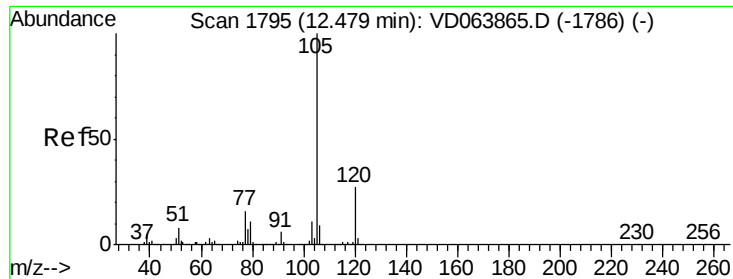


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.489 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

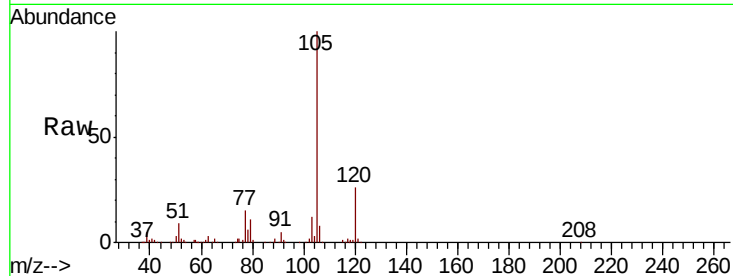
VD1015SBS01

Tot Ion:105 Resp: 220413

Ion Ratio Lower Upper

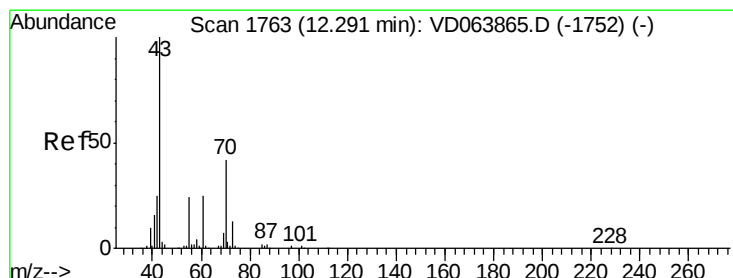
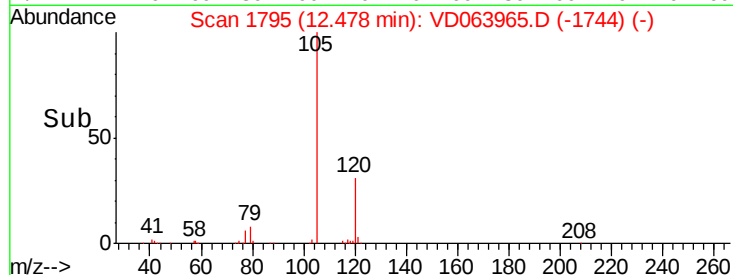
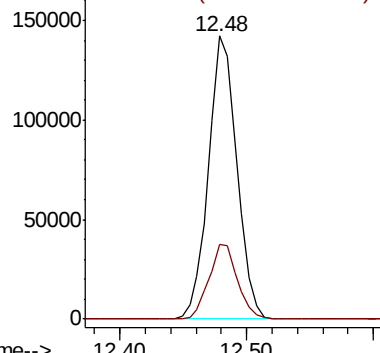
105 100

120 26.4 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.125 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Tgt Ion: 43 Resp: 42234

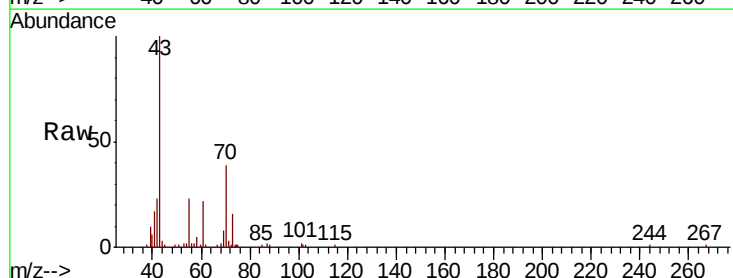
Ion Ratio Lower Upper

43 100

70 41.7 35.8 53.6

55 23.8 19.4 29.0

61 23.8 20.4 30.6

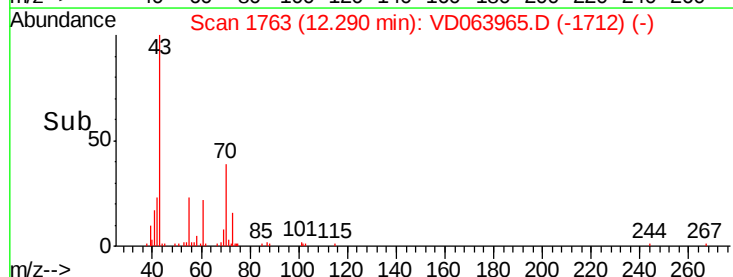
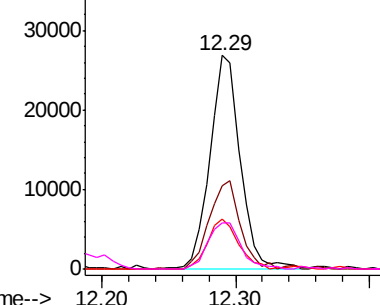


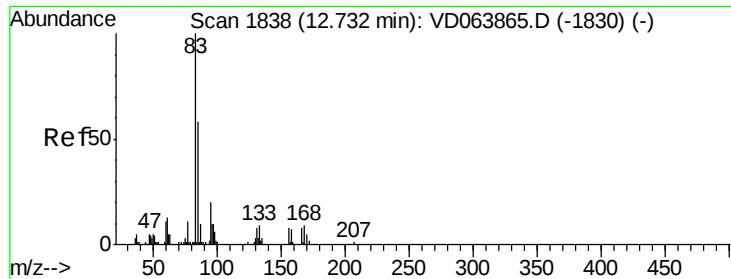
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.830 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

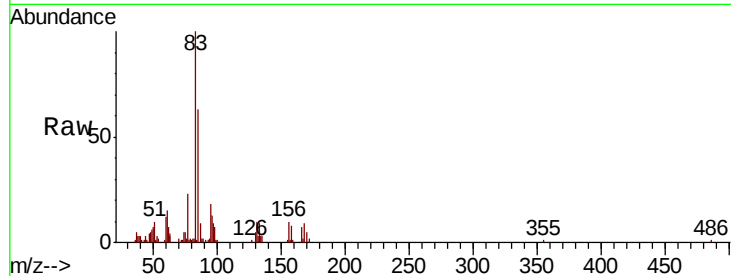
Tot Ion: 83 Resp: 35393

Ion Ratio Lower Upper

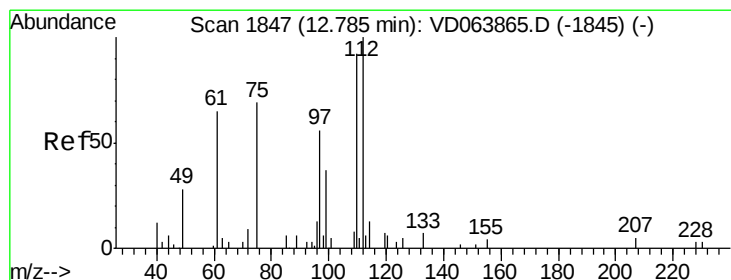
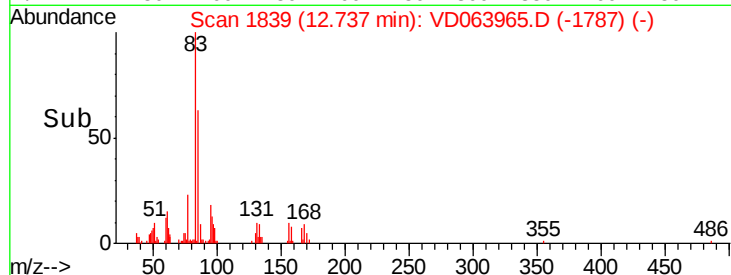
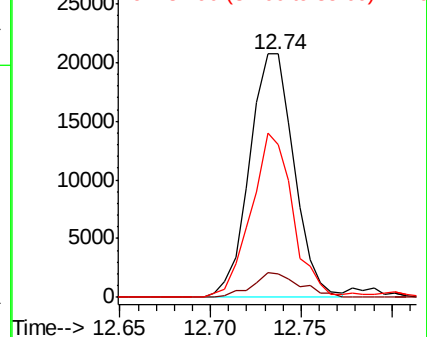
83 100

131 11.0 5.6 16.8

85 63.3 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 44.464 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD063965.D

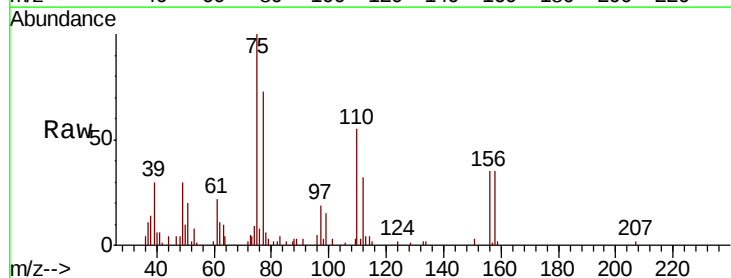
Acq: 15 Oct 2019 12:03

Tgt Ion: 75 Resp: 45438

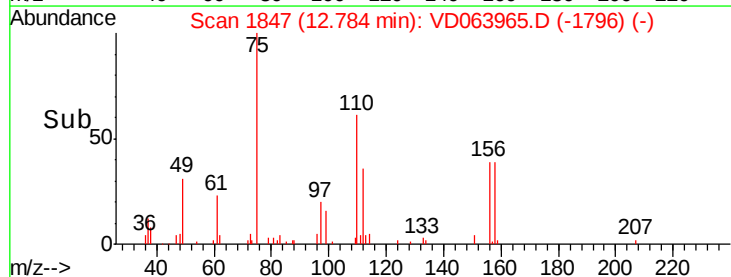
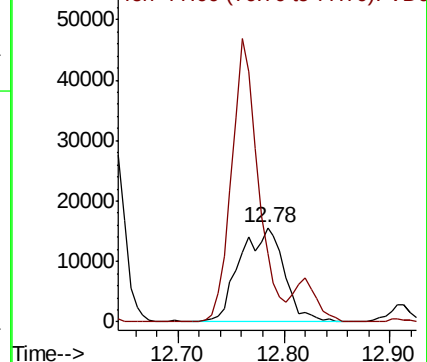
Ion Ratio Lower Upper

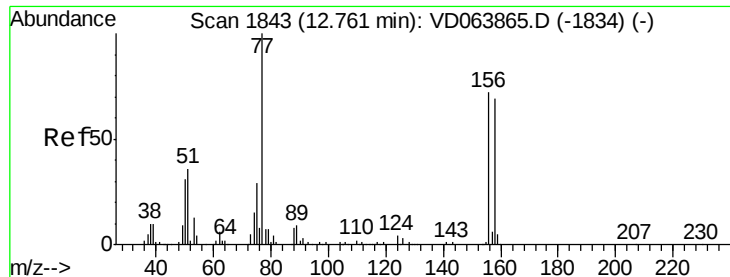
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.210 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

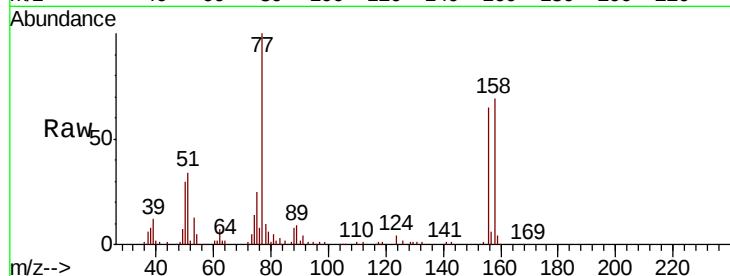
Tot Ion:156 Resp: 51646

Ion Ratio Lower Upper

156 100

77 158.5 80.3 241.0

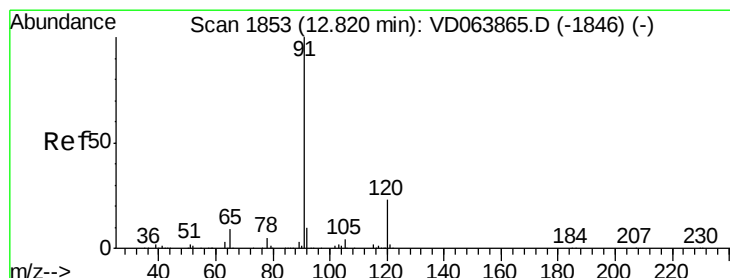
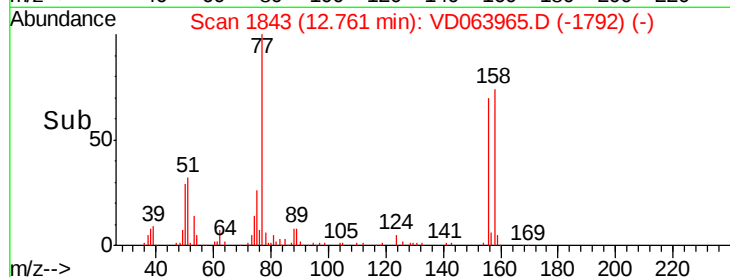
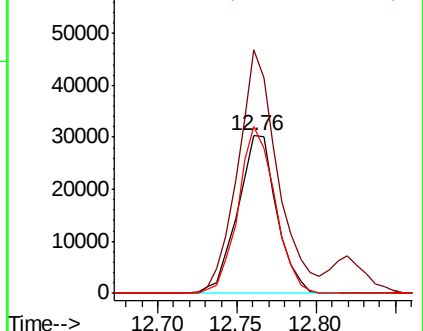
158 100.2 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.357 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063965.D

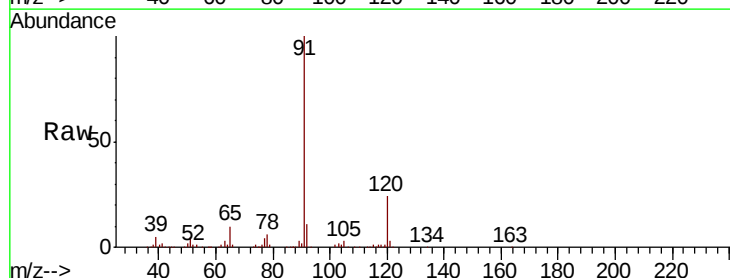
Acq: 15 Oct 2019 12:03

Tgt Ion: 91 Resp: 269168

Ion Ratio Lower Upper

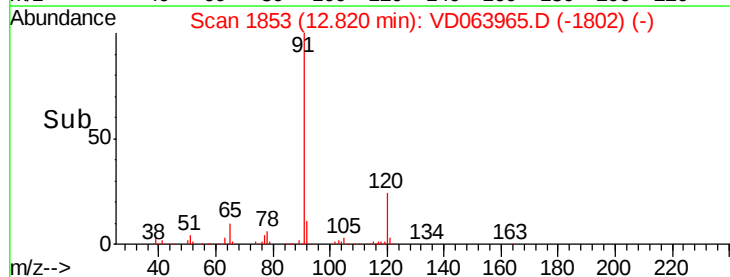
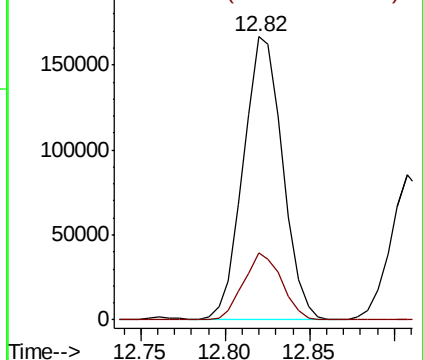
91 100

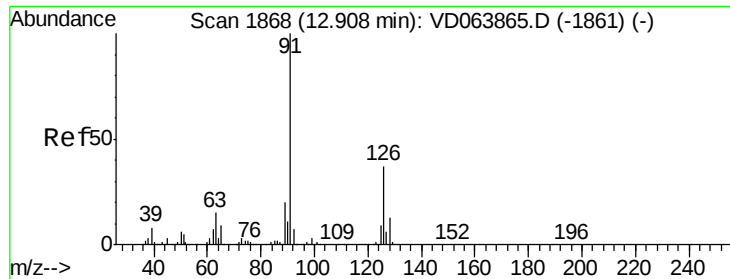
120 23.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

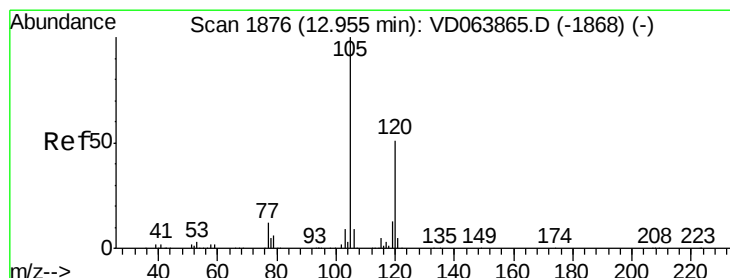
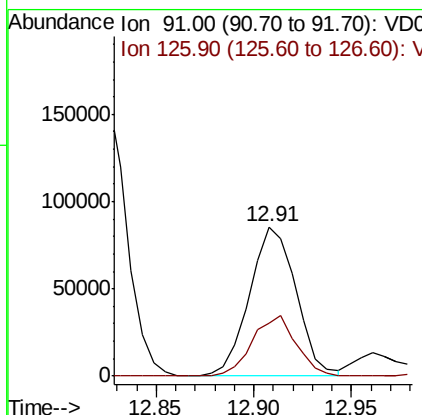
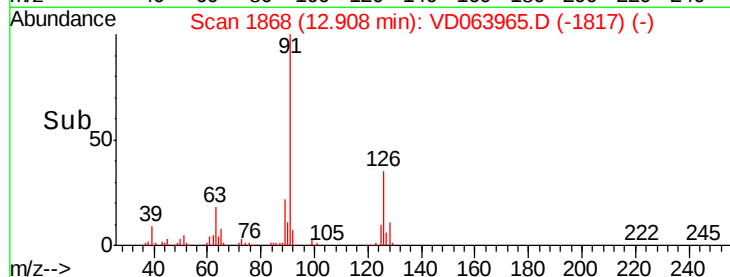
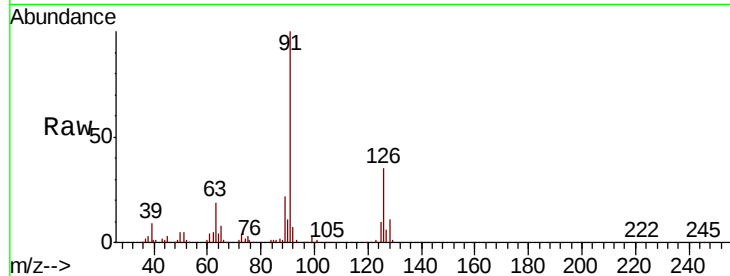




#79
 2-Chlorotoluene
 Concen: 21.379 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

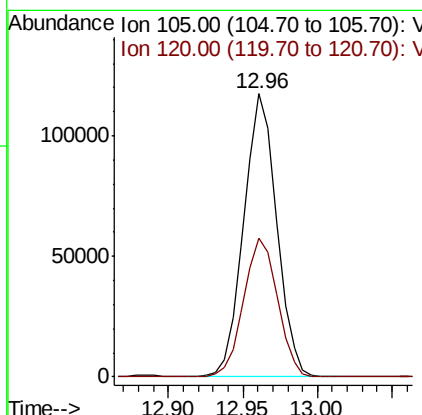
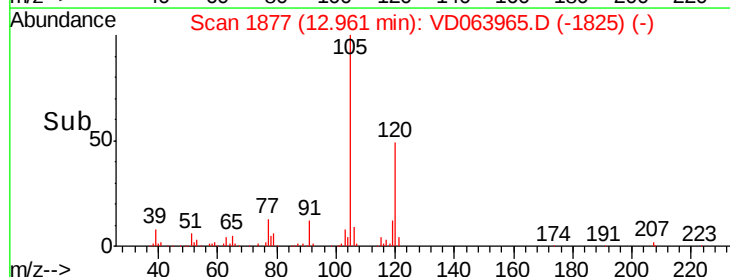
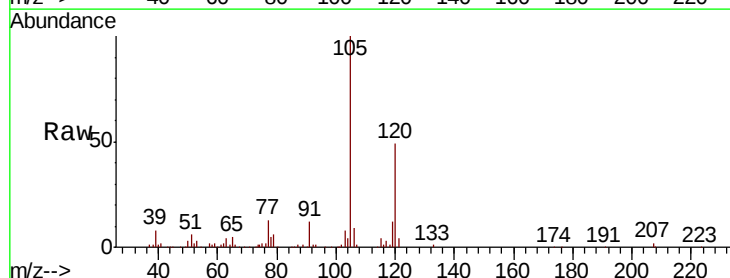
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

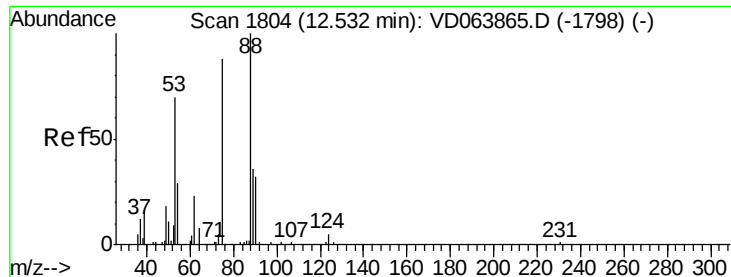
Tot Ion: 91 Resp: 141927
 Ion Ratio Lower Upper
 91 100
 126 38.1 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 20.994 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Tgt Ion:105 Resp: 179644
 Ion Ratio Lower Upper
 105 100
 120 50.2 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.666 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

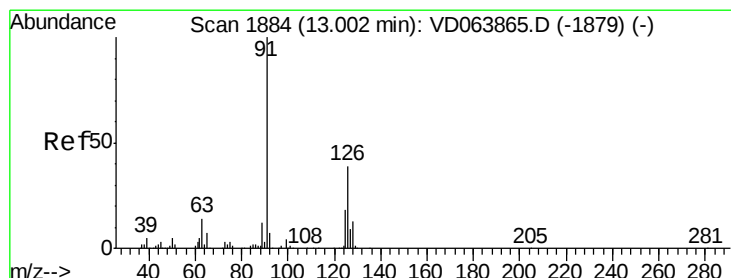
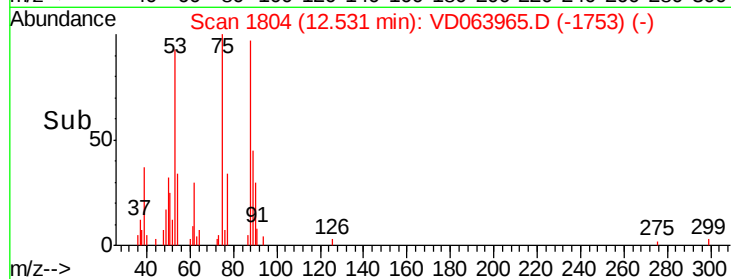
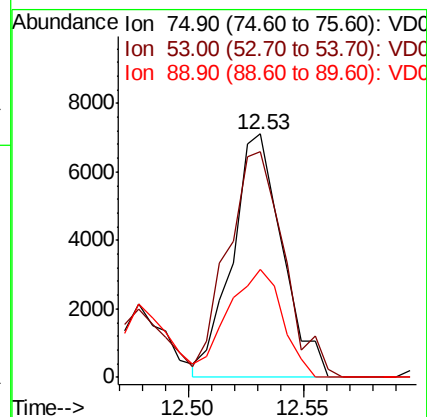
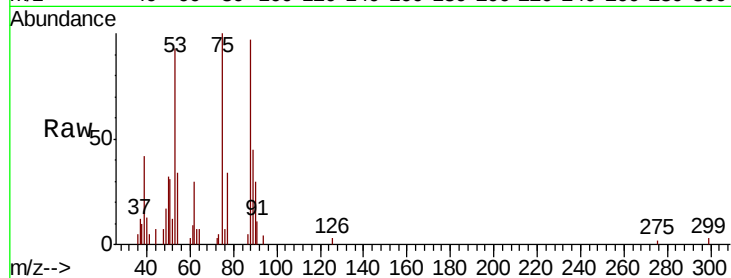
Tot Ion: 75 Resp: 10779

Ion Ratio Lower Upper

75 100

53 104.6 75.0 112.6

89 48.1 38.2 57.4



#82

4-Chlorotoluene

Concen: 20.797 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD063965.D

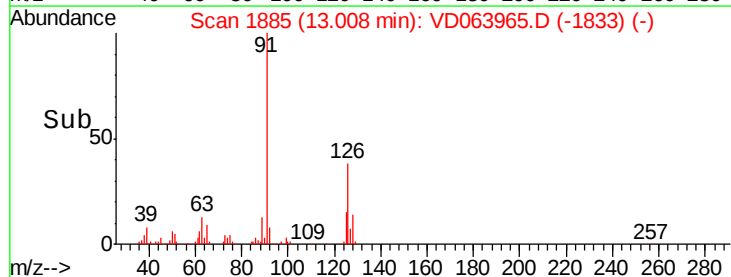
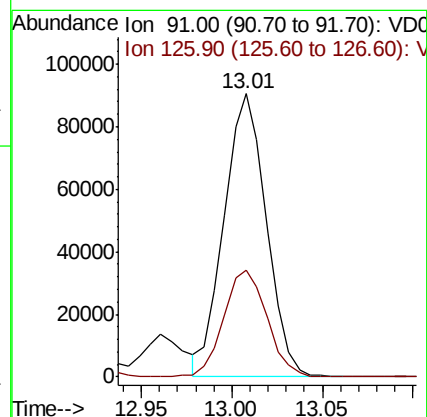
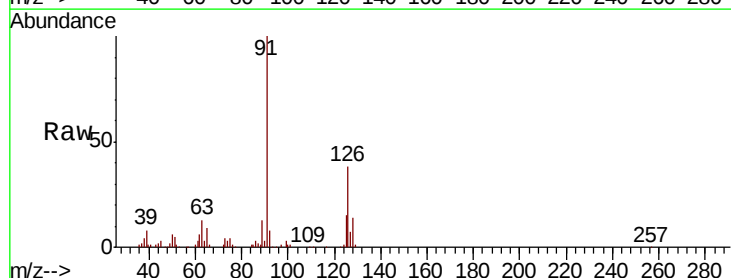
Acq: 15 Oct 2019 12:03

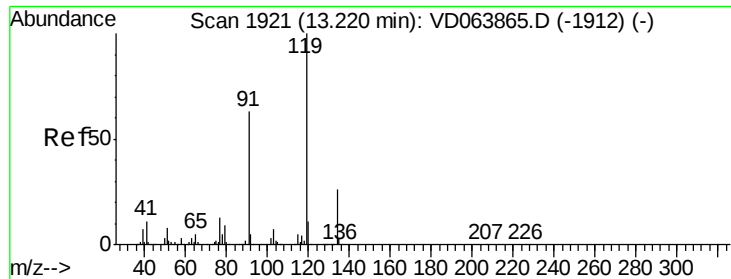
Tgt Ion: 91 Resp: 146455

Ion Ratio Lower Upper

91 100

126 38.7 18.6 55.8

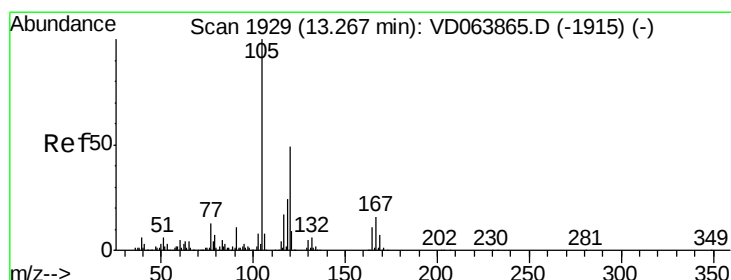
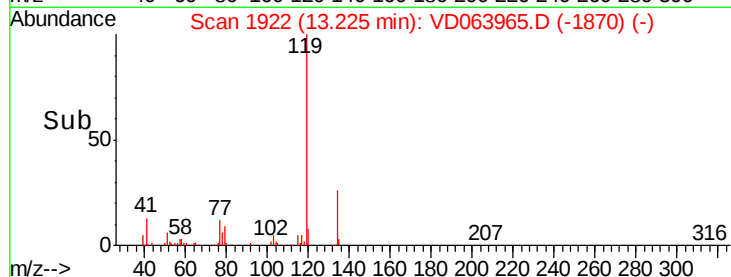
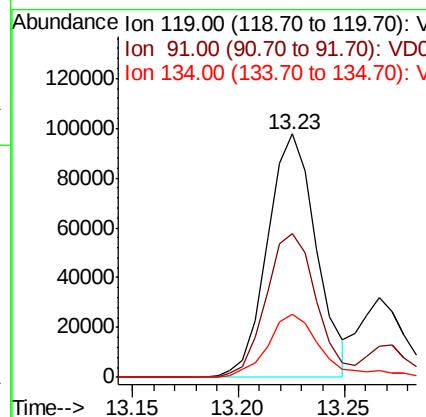
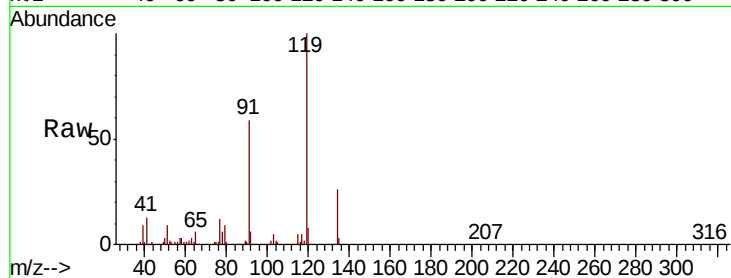




#83
tert-Butylbenzene
Concen: 20.647 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

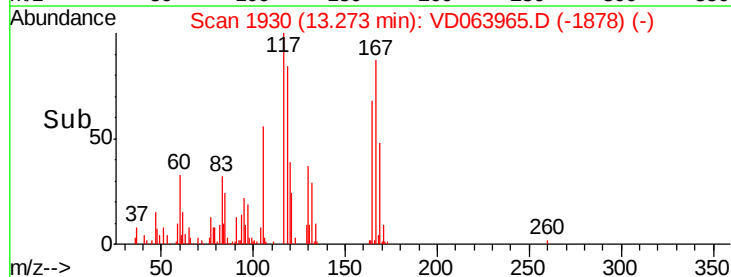
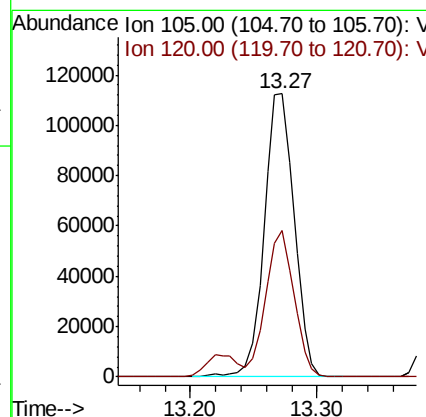
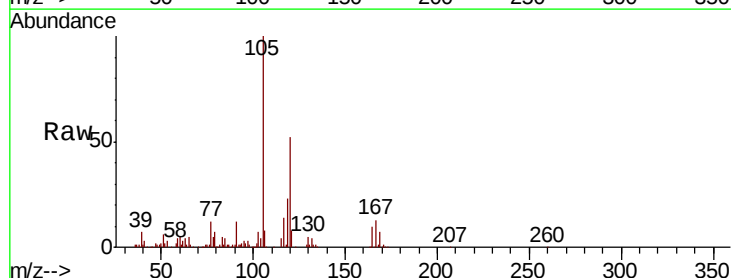
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

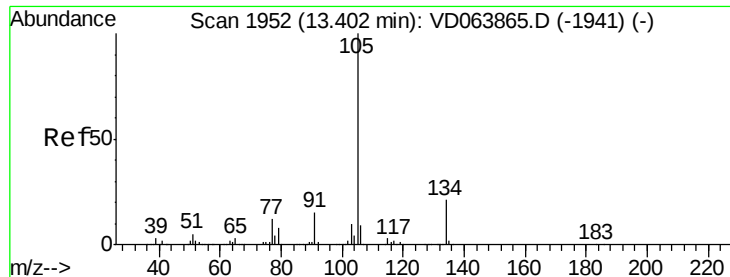
Tot Ion:119 Resp: 157237
Ion Ratio Lower Upper
119 100
91 61.5 30.0 90.0
134 28.8 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 21.026 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion:105 Resp: 185485
Ion Ratio Lower Upper
105 100
120 48.7 23.8 71.5





#85

sec-Butylbenzene

Concen: 22.690 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

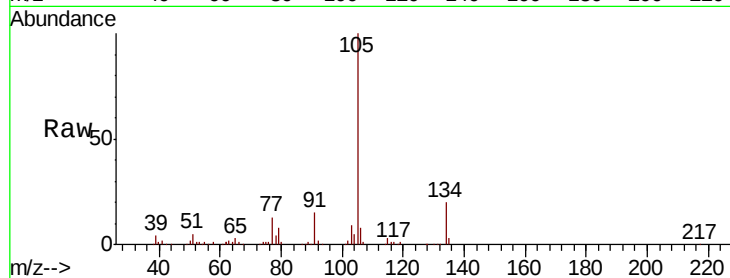
VD1015SBS01

Tot Ion:105 Resp: 233354

Ion Ratio Lower Upper

105 100

134 20.3 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

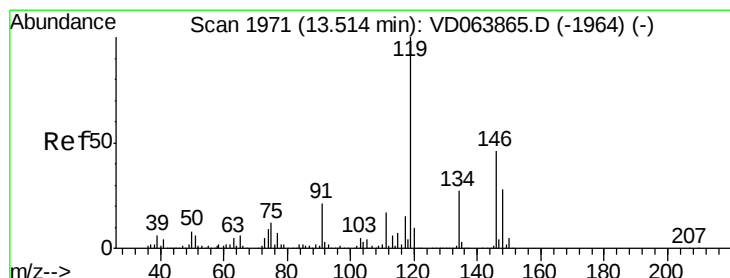
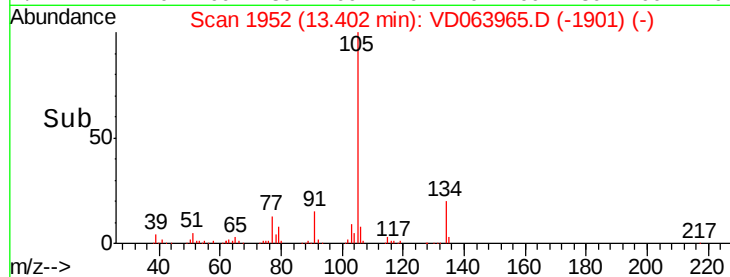
100000

50000

0

13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 21.938 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

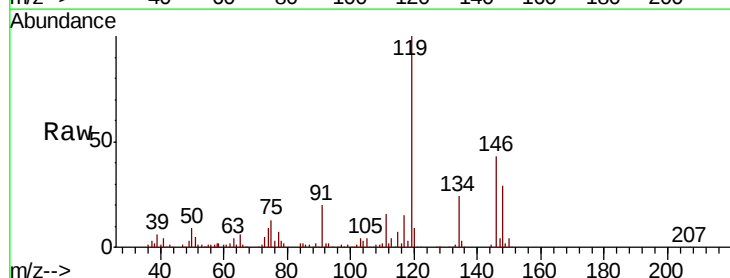
Tgt Ion:119 Resp: 213497

Ion Ratio Lower Upper

119 100

134 25.4 13.9 41.6

91 22.3 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

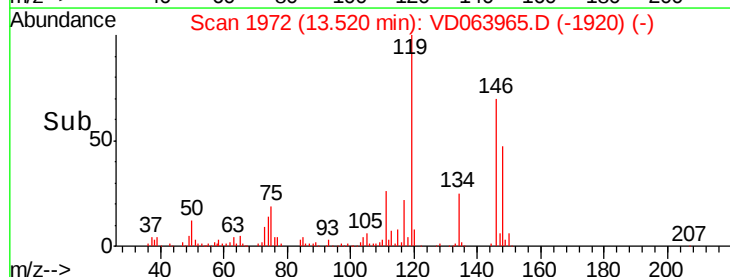
100000

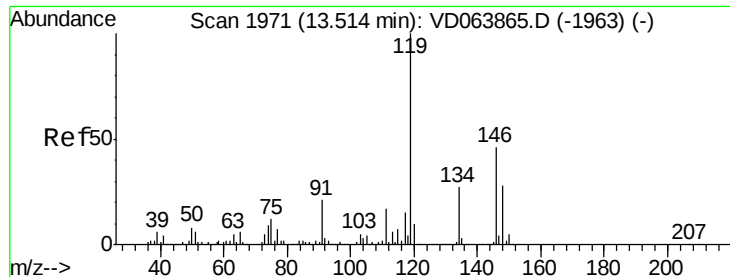
50000

0

13.50 13.52 13.54

Time-->

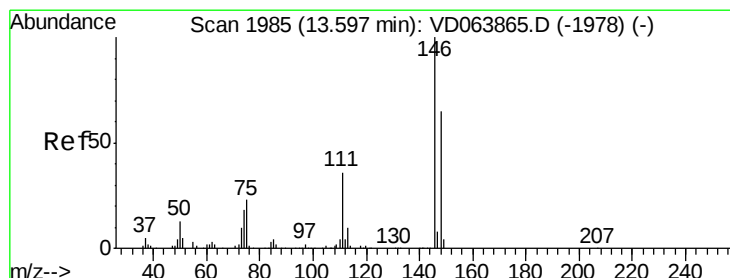
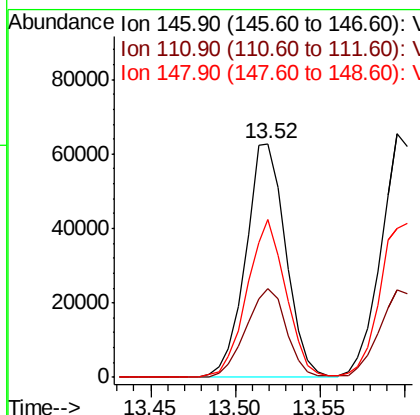
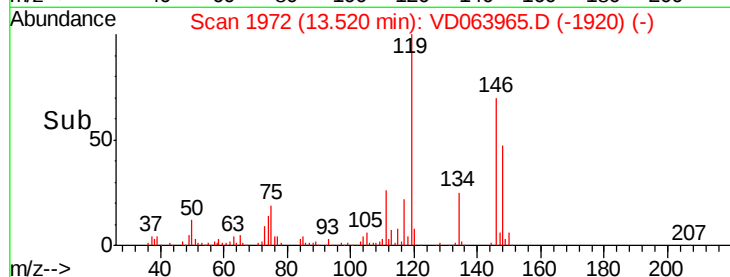
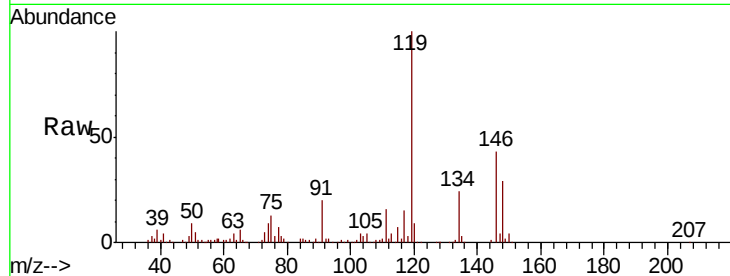




#87
 1,3-Dichlorobenzene
 Concen: 20.464 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

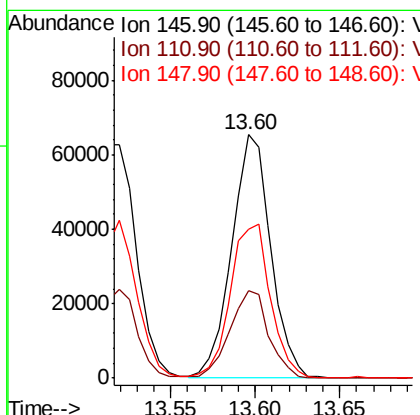
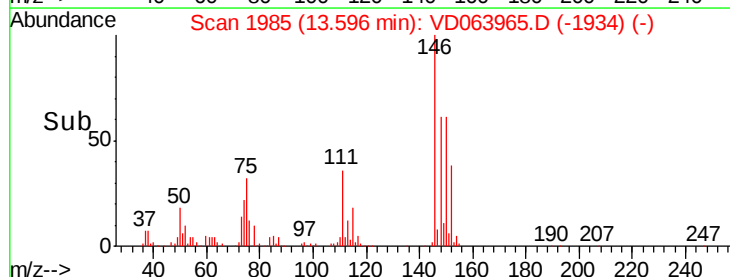
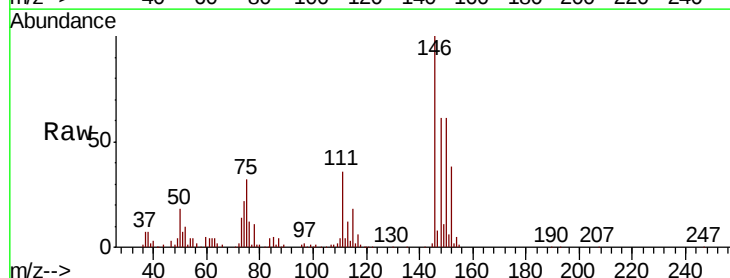
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

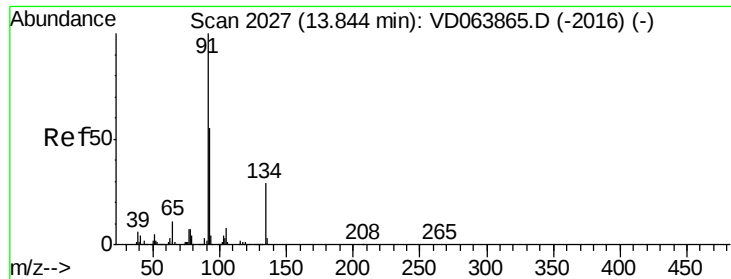
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.3	54.9
148	65.8	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.155 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.6	56.0
148	64.8	32.6	98.0

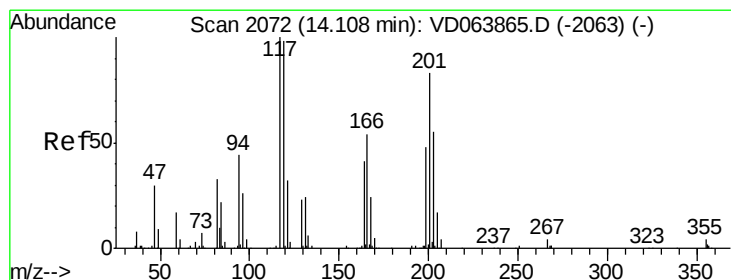
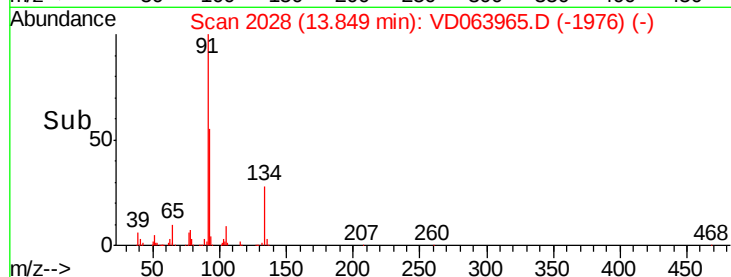
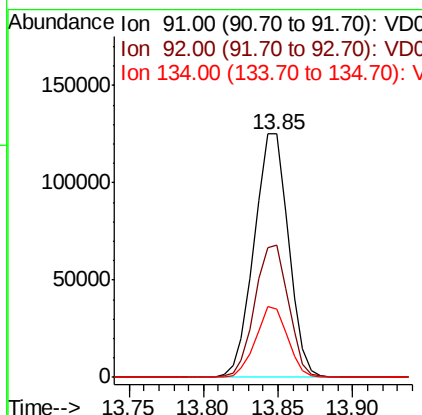
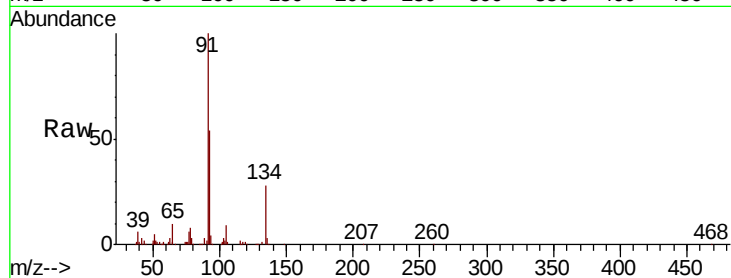




#89
n-Butylbenzene
Concen: 22.012 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

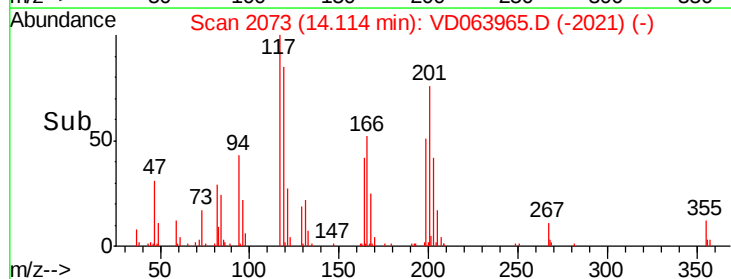
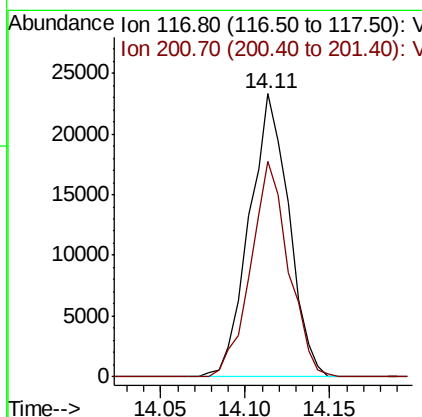
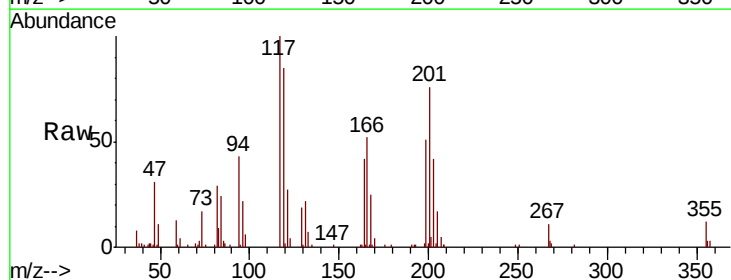
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

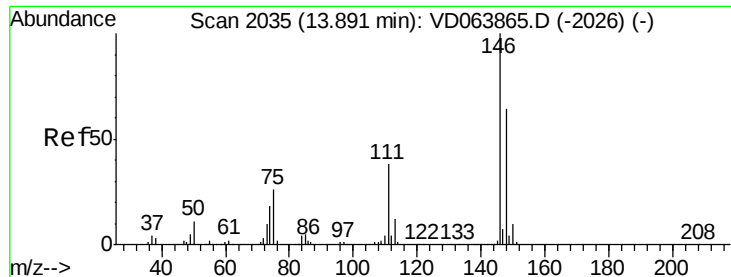
Tot Ion: 91 Resp: 199406
Ion Ratio Lower Upper
91 100
92 53.1 26.8 80.3
134 26.8 14.4 43.0



#90
Hexachloroethane
Concen: 21.598 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion: 117 Resp: 37804
Ion Ratio Lower Upper
117 100
201 73.1 40.6 121.7

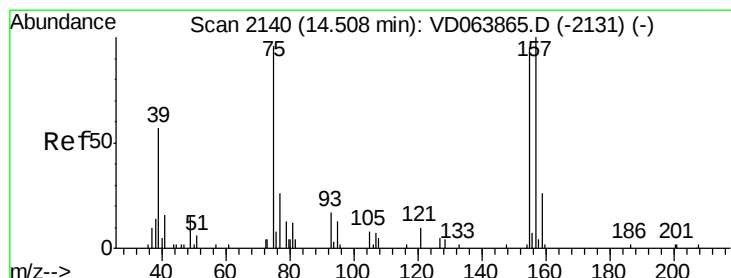
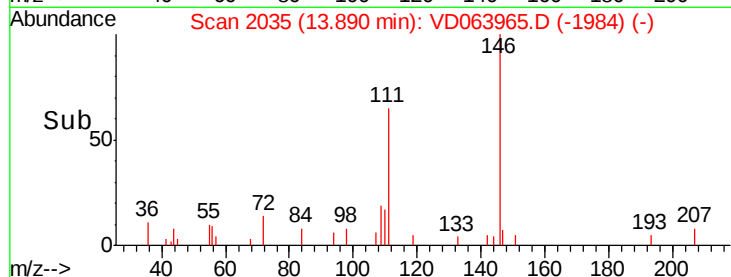
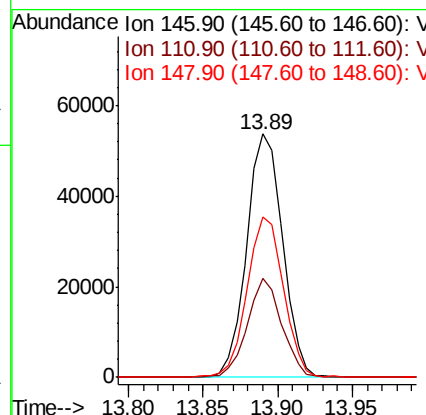
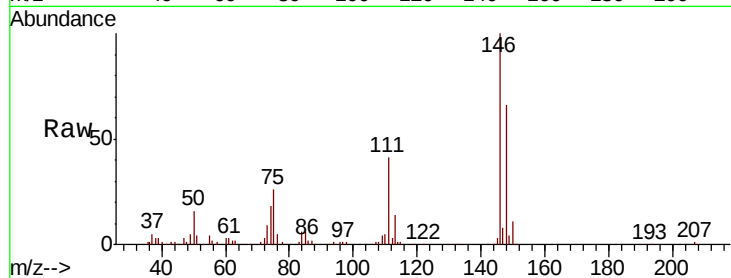




#91
 1,2-Dichlorobenzene
 Concen: 20.559 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

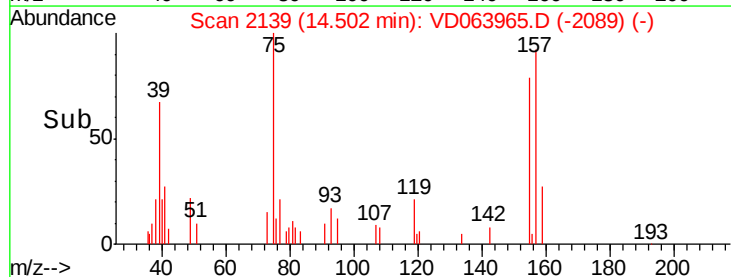
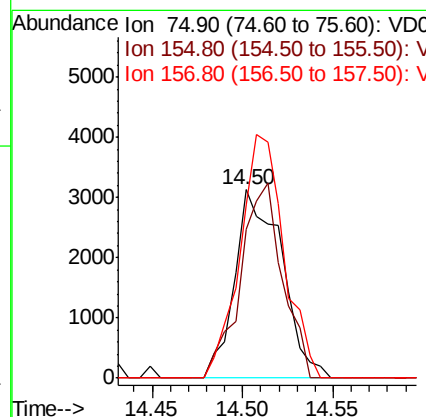
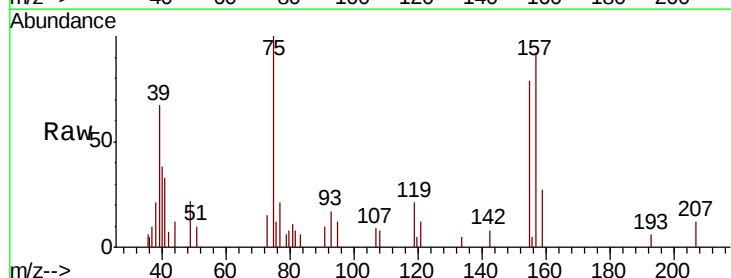
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

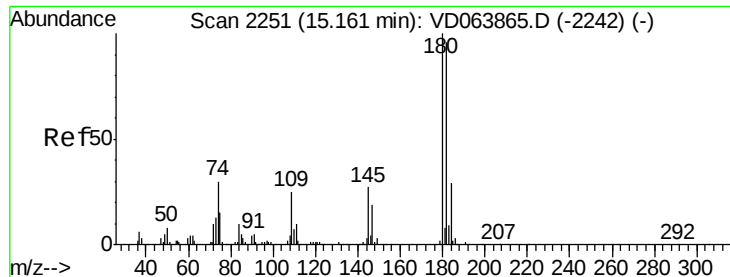
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.6	55.6
148	66.7	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.892 ug/l
 RT: 14.50 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.8	43.9	131.6
157	120.4	56.0	167.9

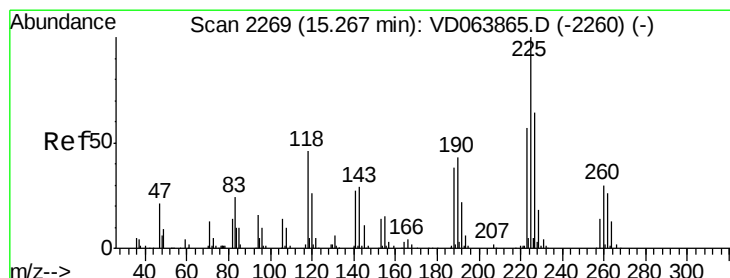
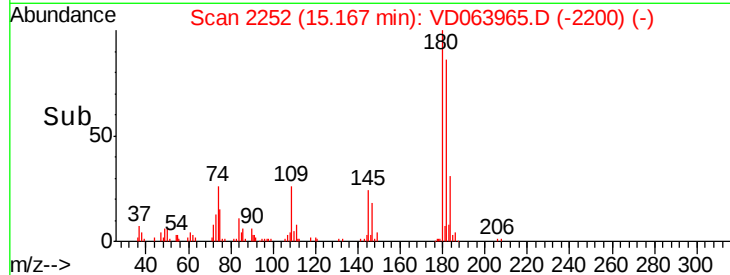
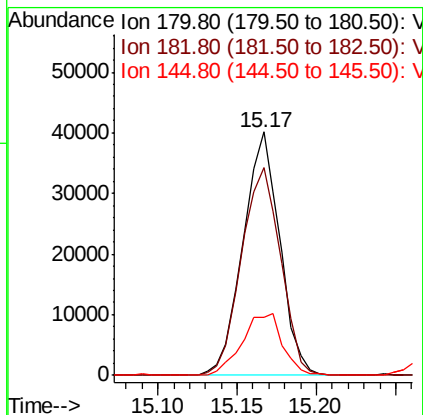
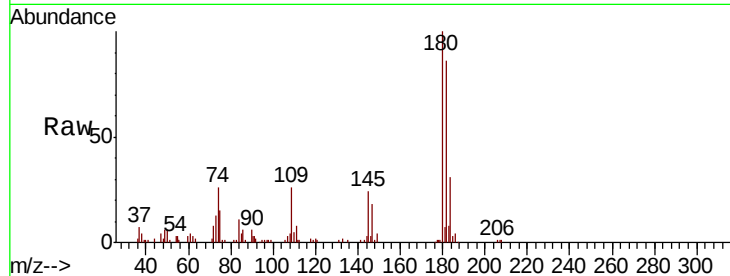




#93
 1,2,4-Trichlorobenzene
 Concen: 19.243 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

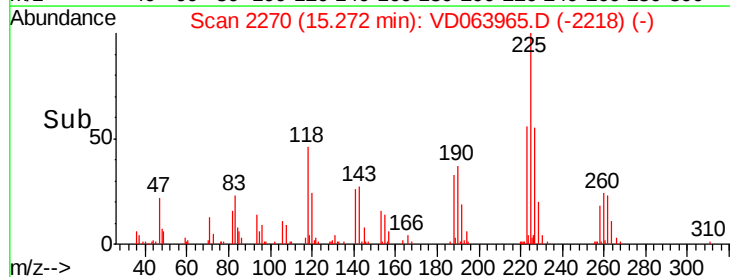
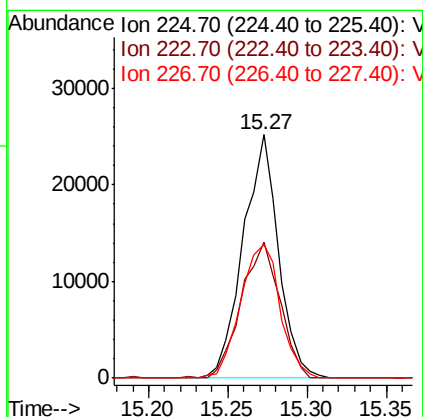
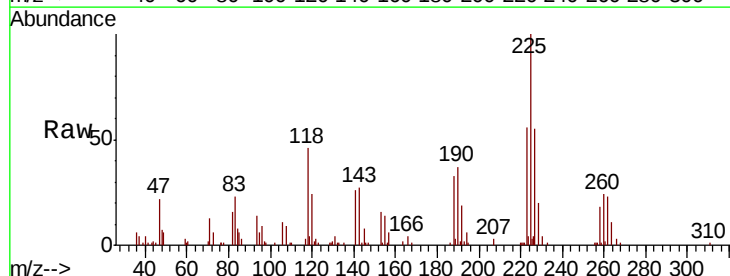
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

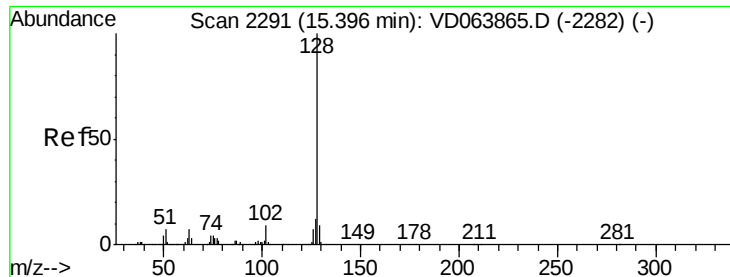
Tot Ion:180 Resp: 64610
 Ion Ratio Lower Upper
 180 100
 182 91.3 47.4 142.3
 145 27.8 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 21.075 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Tgt Ion:225 Resp: 39048
 Ion Ratio Lower Upper
 225 100
 223 61.2 29.5 88.6
 227 61.4 30.8 92.4

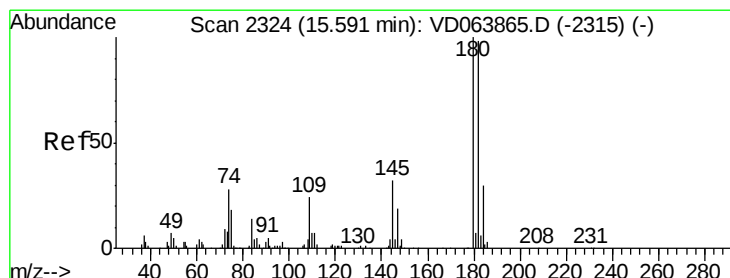
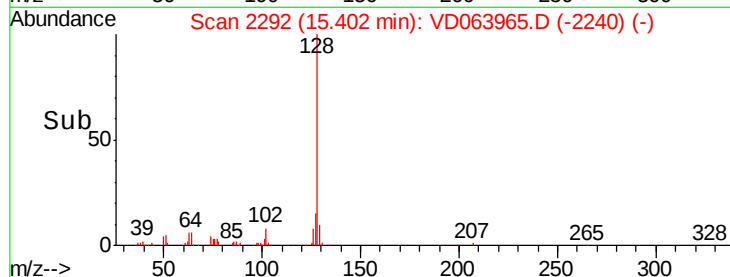
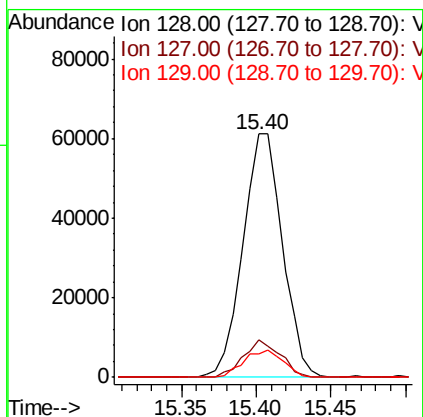
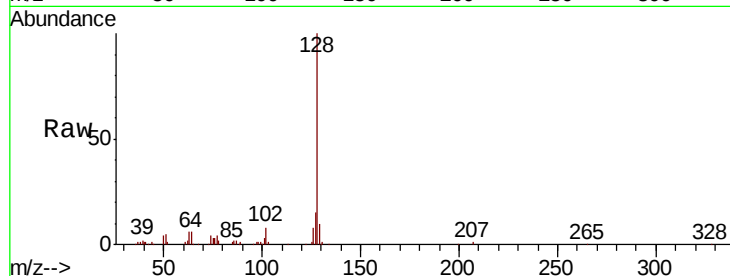




#95
Naphthalene
Concen: 19.922 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.6	16.0
129	11.3	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 18.737 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.0	141.0
145	31.4	15.3	45.9

