

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101519\
 Data File : VD063966.D
 Acq On : 15 Oct 2019 12:30
 Operator : VA/SY
 Sample : VD1015SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

Quant Time: Oct 16 02:13:55 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	190615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	305300	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	292667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	151496	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	90837	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
35) Dibromofluoromethane	7.92	113	92796	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
50) Toluene-d8	10.34	98	394521	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
62) 4-Bromofluorobenzene	12.63	95	123903	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	27895	20.636	ug/l	94
3) Chloromethane	2.21	50	77639	18.503	ug/l	99
4) Vinyl Chloride	2.35	62	95487	21.855	ug/l	95
5) Bromomethane	2.76	94	61048	21.734	ug/l	90
6) Chloroethane	2.93	64	60753	21.026	ug/l	98
7) Trichlorofluoromethane	3.27	101	132532	22.943	ug/l	100
8) Diethyl Ether	3.70	74	16649	17.957	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	35664	22.304	ug/l	94
10) Methyl Iodide	4.30	142	42131	19.122	ug/l	98
11) Tert butyl alcohol	5.26	59	9844	70.599	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	33732	21.115	ug/l	97
13) Acrolein	3.93	56	11755	70.921	ug/l	98
14) Allyl chloride	4.70	41	52065	19.603	ug/l	98
15) Acrylonitrile	5.43	53	40543	99.182	ug/l	98
16) Acetone	4.17	43	39864	82.507	ug/l	99
17) Carbon Disulfide	4.41	76	110474	19.024	ug/l	98
18) Methyl Acetate	4.73	43	19563	20.701	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	75821	18.329	ug/l	96
20) Methylene Chloride	4.97	84	47990	20.616	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	40550	20.390	ug/l	94
22) Diisopropyl ether	6.37	45	106822	19.693	ug/l	98
23) Vinyl Acetate	6.31	43	312058	96.706	ug/l	99
24) 1,1-Dichloroethane	6.27	63	69084	20.677	ug/l	96
25) 2-Butanone	7.22	43	51962	90.748	ug/l	99
26) 2,2-Dichloropropane	7.21	77	62451	20.663	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	43810	19.463	ug/l	99
28) Bromochloromethane	7.56	49	20938	17.733	ug/l	100
29) Tetrahydrofuran	7.57	42	31724	94.921	ug/l	96
30) Chloroform	7.71	83	73431	20.235	ug/l	99
31) Cyclohexane	7.98	56	67254	22.121	ug/l #	95
32) 1,1,1-Trichloroethane	7.91	97	65684	21.101	ug/l	99
36) 1,1-Dichloropropene	8.11	75	58650	21.011	ug/l	98
37) Ethyl Acetate	7.30	43	21202	16.250	ug/l #	92
38) Carbon Tetrachloride	8.10	117	59189	20.983	ug/l #	94

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 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)
39) Methylcyclohexane	9.36	83	73358	21.373	ug/l	92
40) Benzene	8.35	78	165265	20.660	ug/l	99
41) Methacrylonitrile	7.53	41	14213	21.961	ug/l #	80
42) 1,2-Dichloroethane	8.43	62	44981	19.439	ug/l	100
43) Isopropyl Acetate	8.47	43	43015	18.375	ug/l	98
44) Trichloroethene	9.12	130	47311	20.510	ug/l	100
45) 1,2-Dichloropropane	9.39	63	38585	19.707	ug/l	92
46) Dibromomethane	9.47	93	20530	18.411	ug/l	89
47) Bromodichloromethane	9.67	83	56335	19.622	ug/l	98
48) Methyl methacrylate	9.46	41	21686	19.334	ug/l #	89
49) 1,4-Dioxane	9.46	88	5663	372.053	ug/l	94
51) 4-Methyl-2-Pentanone	10.24	43	116297	95.789	ug/l	98
52) Toluene	10.40	92	113304	20.633	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	51456	18.367	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	60482	18.755	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	30727	19.516	ug/l	95
56) Ethyl methacrylate	10.67	69	35921	18.016	ug/l	98
57) 1,3-Dichloropropane	10.95	76	51739	19.206	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	80226	93.610	ug/l	100
59) 2-Hexanone	10.98	43	79626	90.666	ug/l	99
60) Dibromochloromethane	11.14	129	38211	18.641	ug/l	98
61) 1,2-Dibromoethane	11.25	107	29602	19.394	ug/l	97
64) Tetrachloroethene	10.88	164	42940	21.492	ug/l	89
65) Chlorobenzene	11.67	112	121963	20.751	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	43731	20.192	ug/l	97
67) Ethyl Benzene	11.75	91	218323	20.600	ug/l	99
68) m/p-Xylenes	11.85	106	170253	41.619	ug/l	97
69) o-Xylene	12.18	106	79478	20.290	ug/l	96
70) Styrene	12.20	104	134974	20.355	ug/l	99
71) Bromoform	12.36	173	24213	20.832	ug/l #	98
73) Isopropylbenzene	12.48	105	219096	21.513	ug/l	99
74) N-amyl acetate	12.29	43	39728	18.118	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	36136	20.390	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	46323	45.653	ug/l #	100
77) Bromobenzene	12.76	156	54108	21.325	ug/l	98
78) n-propylbenzene	12.82	91	260346	21.779	ug/l	99
79) 2-Chlorotoluene	12.91	91	144767	21.963	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	182591	21.490	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	10238	17.855	ug/l	94
82) 4-Chlorotoluene	13.01	91	144948	20.729	ug/l	99
83) tert-Butylbenzene	13.23	119	158383	20.945	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	181421	20.712	ug/l	99
85) sec-Butylbenzene	13.40	105	226646	22.194	ug/l	99
86) p-Isopropyltoluene	13.52	119	208821	21.610	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	105537	21.050	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	102980	20.821	ug/l	98
89) n-Butylbenzene	13.84	91	202260	22.487	ug/l	96
90) Hexachloroethane	14.11	117	37011	21.296	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	93478	21.636	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6353	21.680	ug/l	97

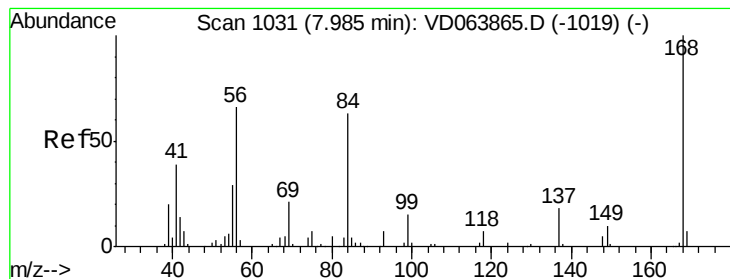
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101519\
Data File : VD063966.D
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Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	62275	18.680	ug/l	89
94) Hexachlorobutadiene	15.27	225	40203	21.853	ug/l	98
95) Naphthalene	15.40	128	111667	19.929	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	58101	20.200	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

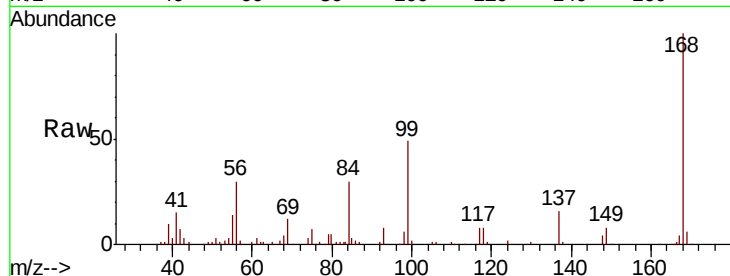
VD1015SBS01

Tot Ion:168 Resp: 190615

Ion Ratio Lower Upper

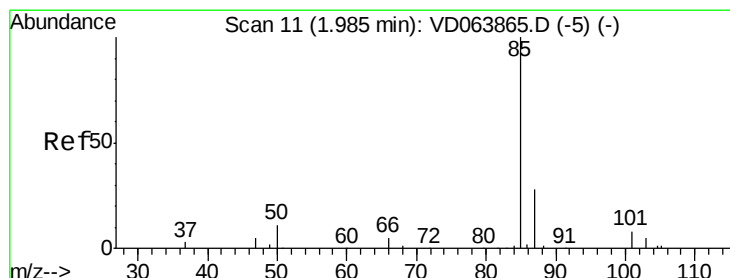
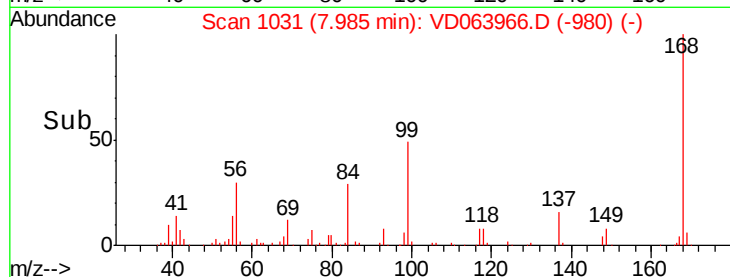
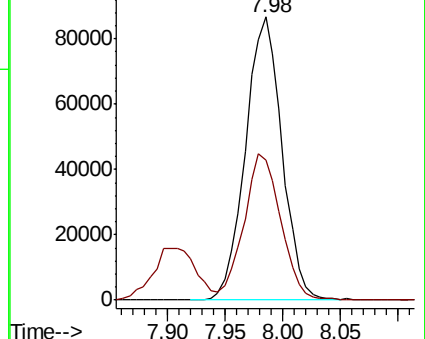
168 100

99 49.0 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: 20.636 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063966.D

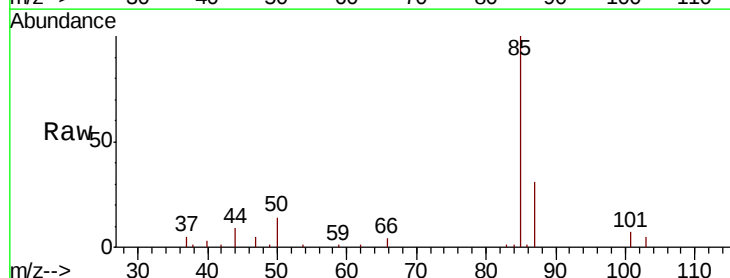
Acq: 15 Oct 2019 12:30

Tgt Ion: 85 Resp: 27895

Ion Ratio Lower Upper

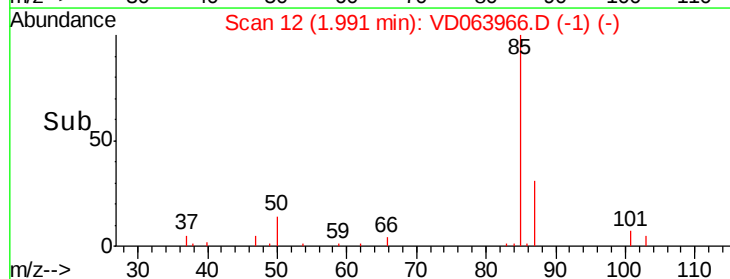
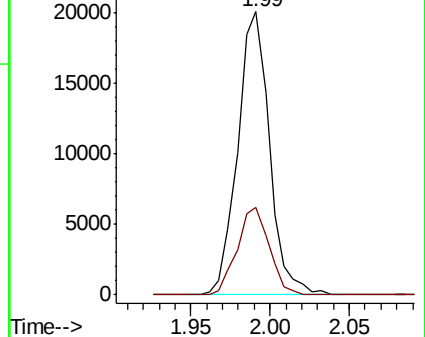
85 100

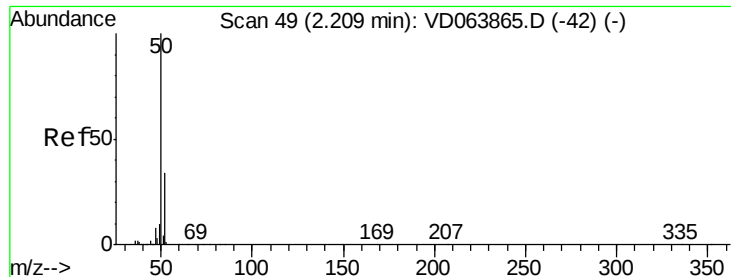
87 31.0 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

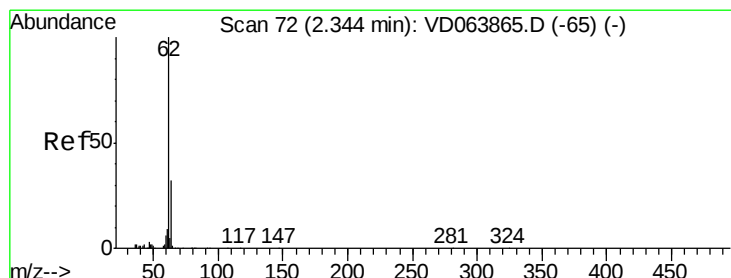
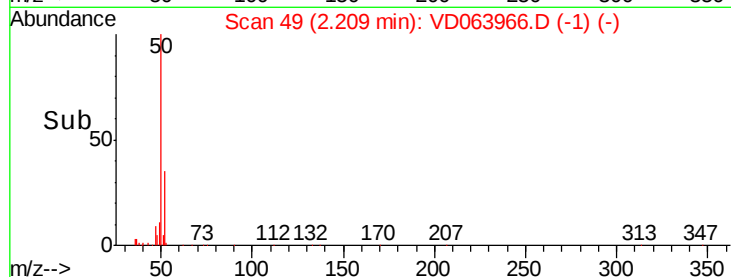
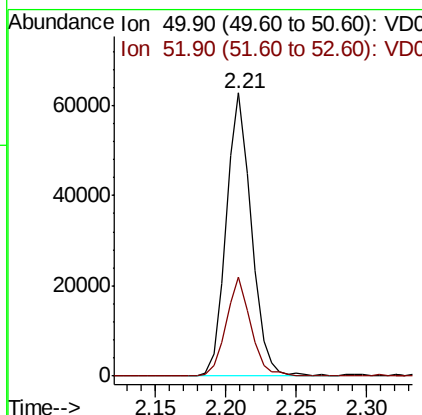
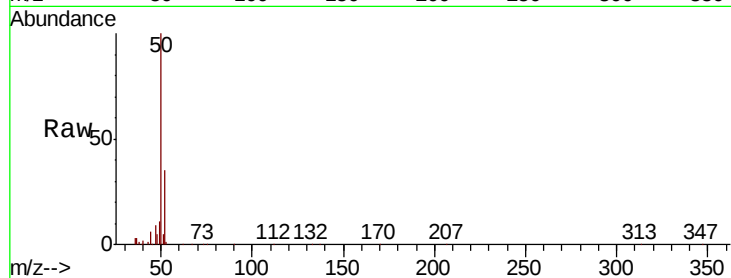




#3
Chloromethane
Concen: 18.503 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

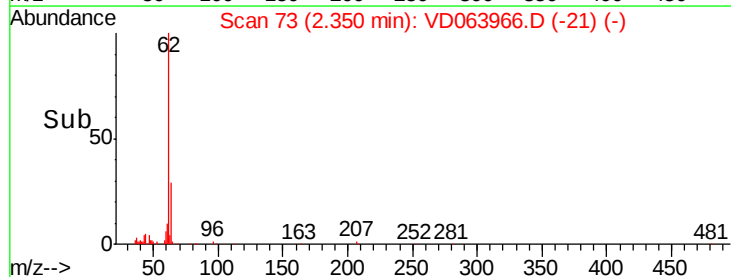
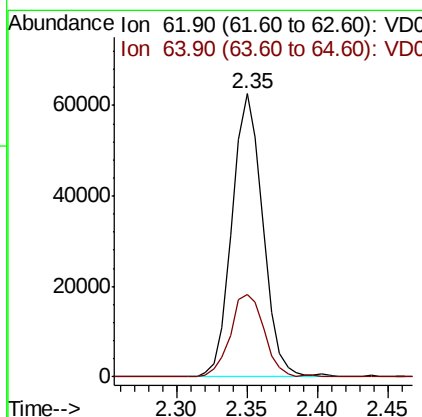
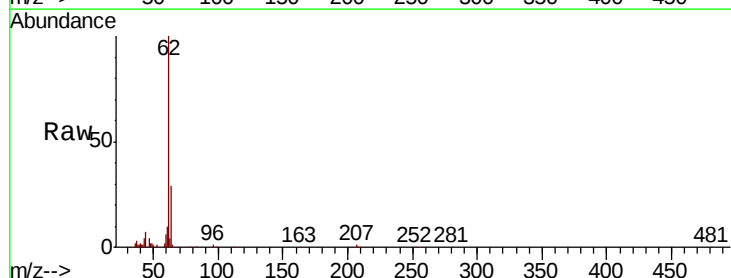
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBSD01

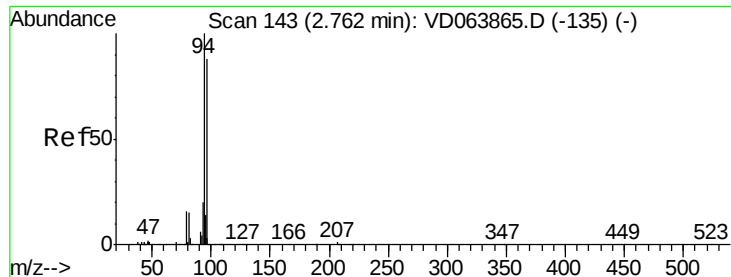
Tot Ion: 50 Resp: 77639
Ion Ratio Lower Upper
50 100
52 34.8 27.5 41.3



#4
Vinyl Chloride
Concen: 21.855 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion: 62 Resp: 95487
Ion Ratio Lower Upper
62 100
64 29.0 25.4 38.0





#5

Bromomethane

Concen: 21.734 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

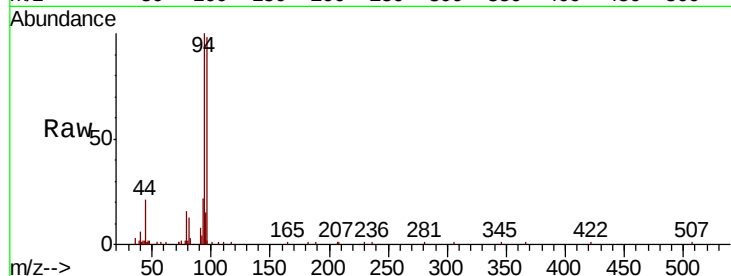
VD1015SBS01

Tot Ion: 94 Resp: 61048

Ion Ratio Lower Upper

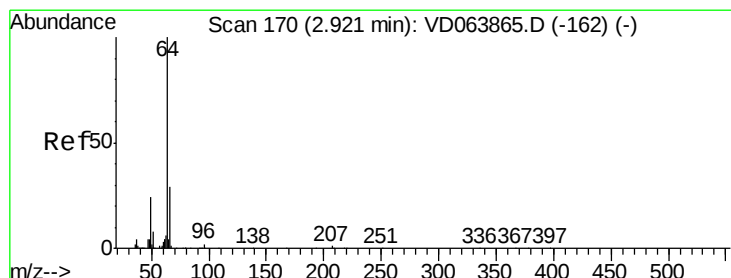
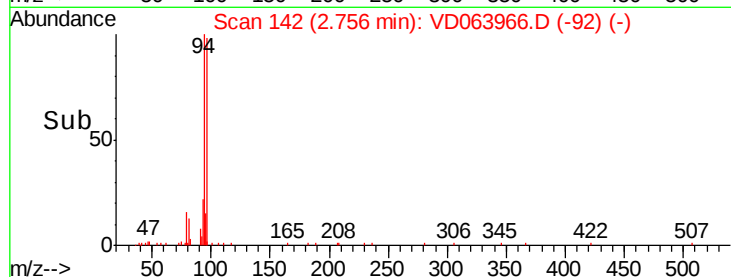
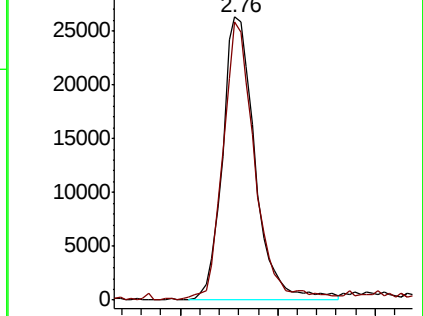
94 100

96 97.6 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.026 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD063966.D

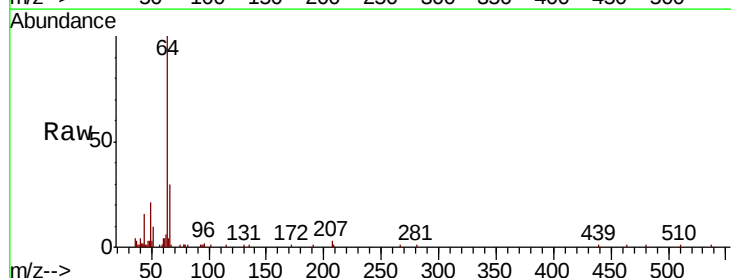
Acq: 15 Oct 2019 12:30

Tgt Ion: 64 Resp: 60753

Ion Ratio Lower Upper

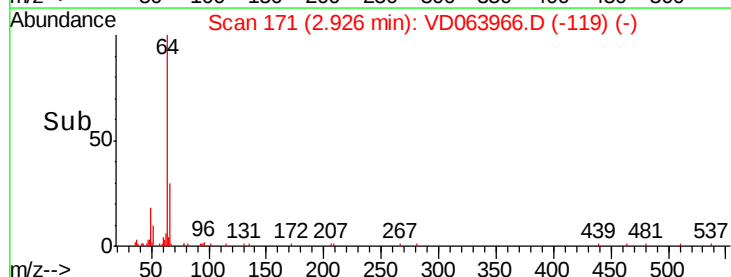
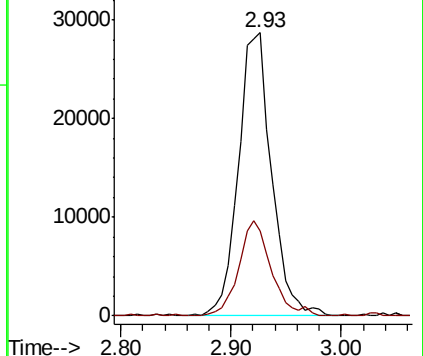
64 100

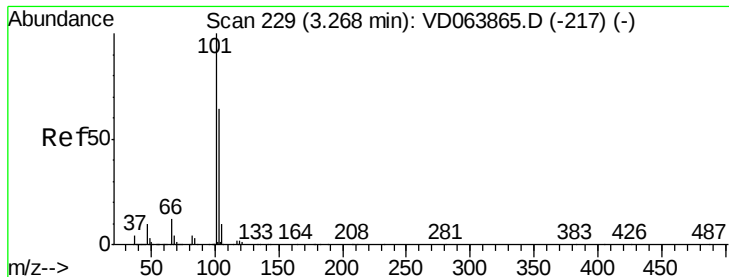
66 29.8 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



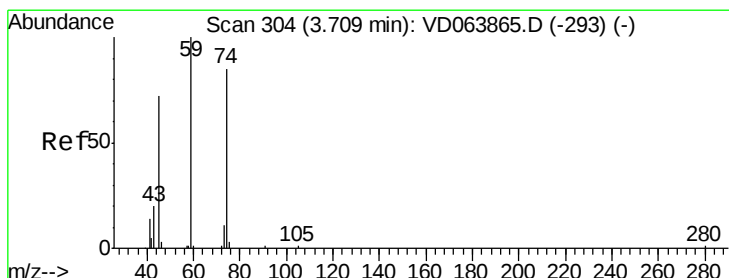
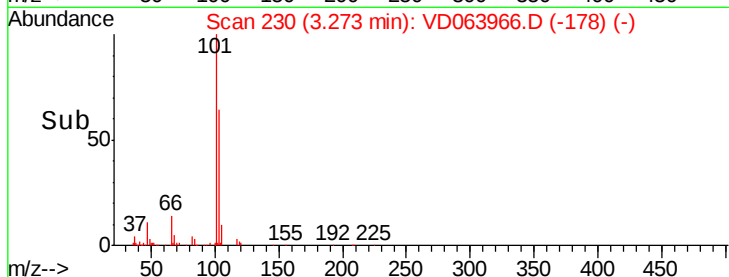
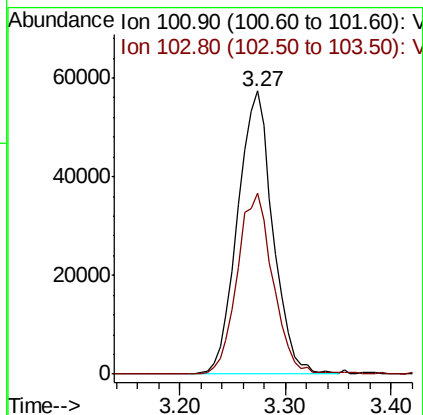
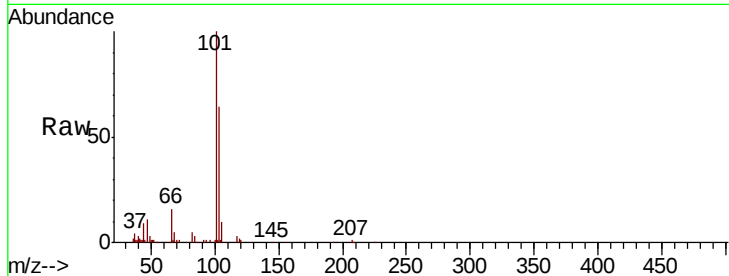


#7

Trichlorofluoromethane
 Concen: 22.943 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBSD01

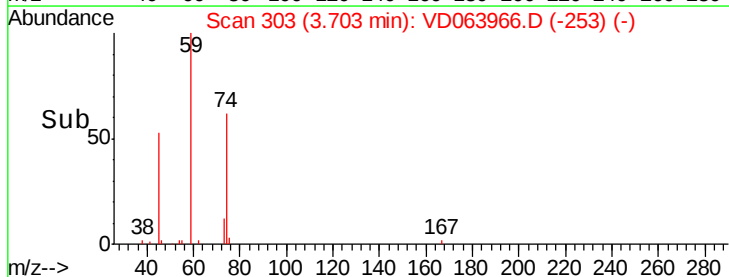
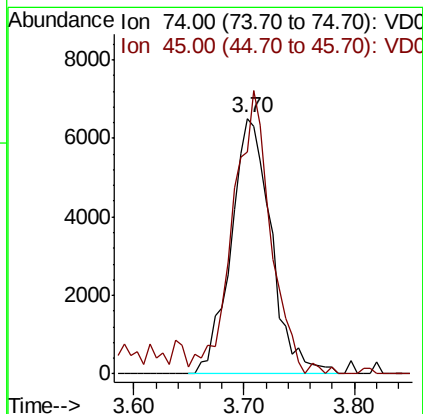
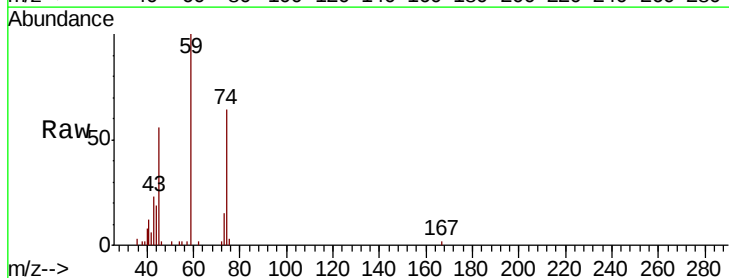
Tot Ion:101 Resp: 132532
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.1 76.7

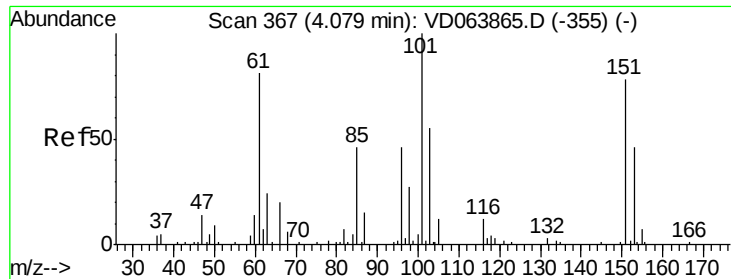


#8

Diethyl Ether
 Concen: 17.957 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

Tgt Ion: 74 Resp: 16649
 Ion Ratio Lower Upper
 74 100
 45 103.0 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.304 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

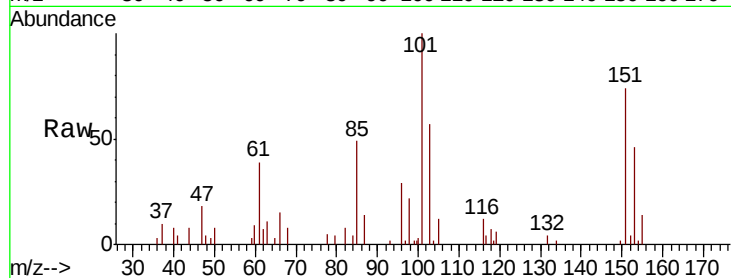
Tot Ion:101 Resp: 35664

Ion Ratio Lower Upper

101 100

85 46.5 37.5 56.3

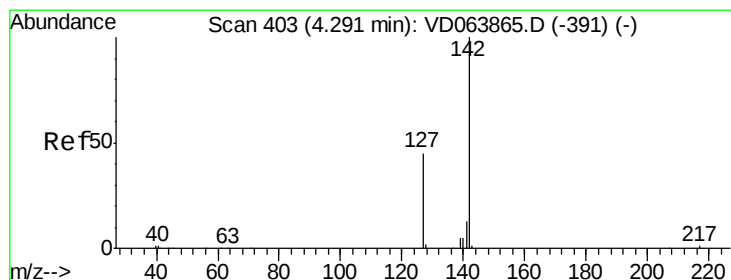
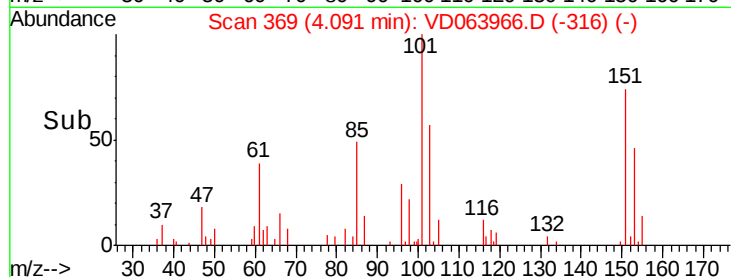
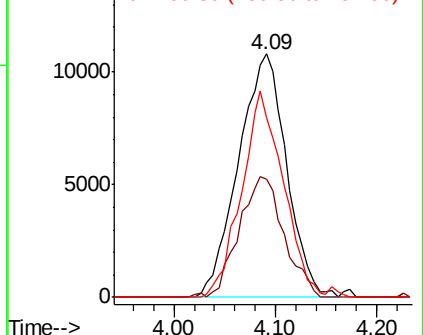
151 73.5 65.5 98.3



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: 19.122 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

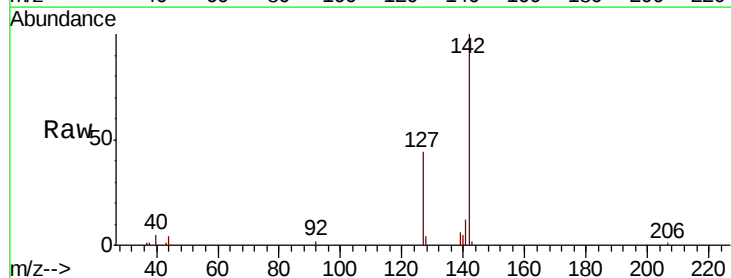
Tgt Ion:142 Resp: 42131

Ion Ratio Lower Upper

142 100

127 45.3 35.3 52.9

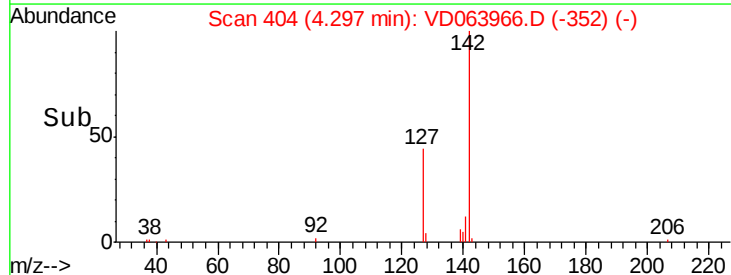
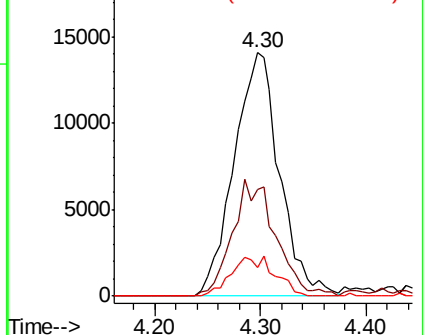
141 15.5 12.2 18.2

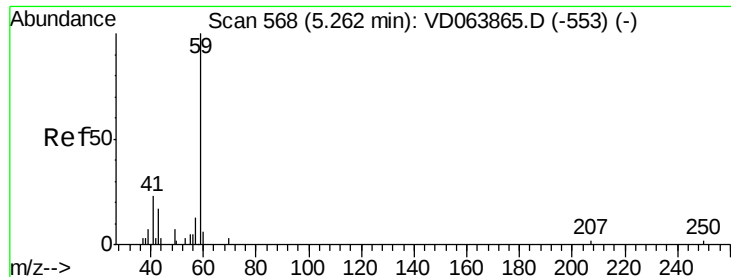


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



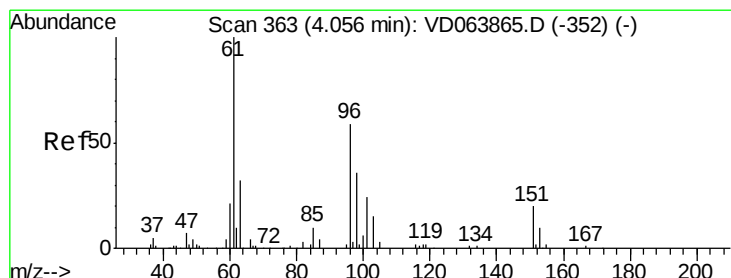
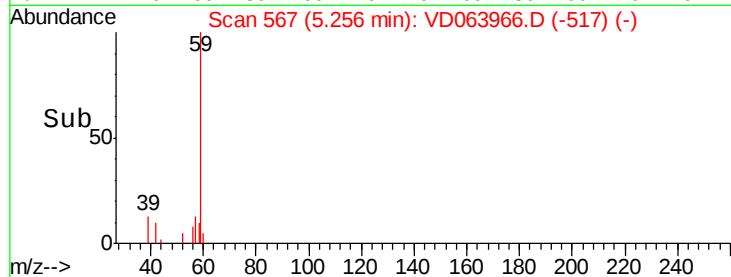
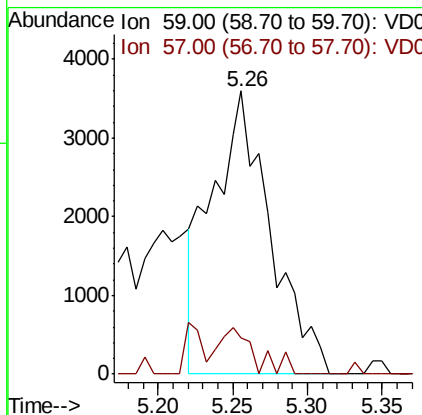
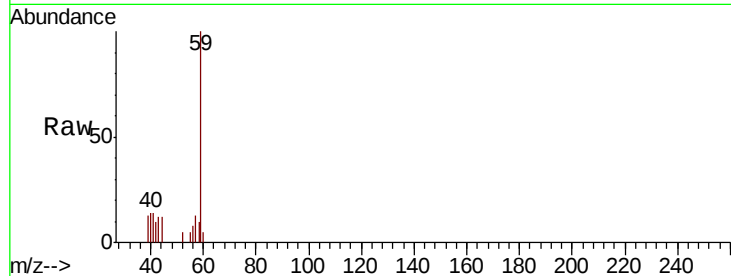


#11

Tert butyl alcohol
 Concen: 70.599 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

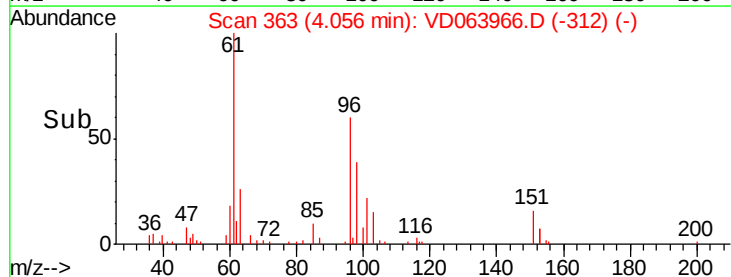
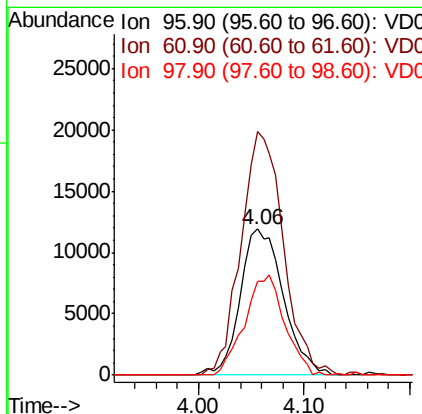
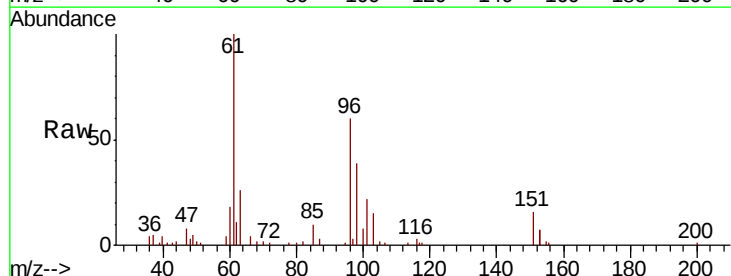
Tot Ion: 59 Resp: 9844
 Ion Ratio Lower Upper
 59 100
 57 8.1 8.8 13.2#

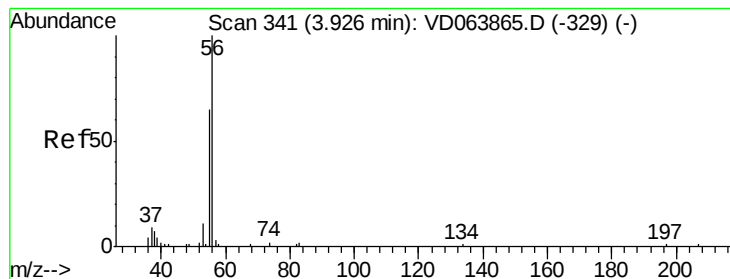


#12

1,1-Dichloroethene
 Concen: 21.115 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

Tgt Ion: 96 Resp: 33732
 Ion Ratio Lower Upper
 96 100
 61 166.6 135.6 203.4
 98 64.4 49.2 73.8





#13

Acrolein

Concen: 70.921 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

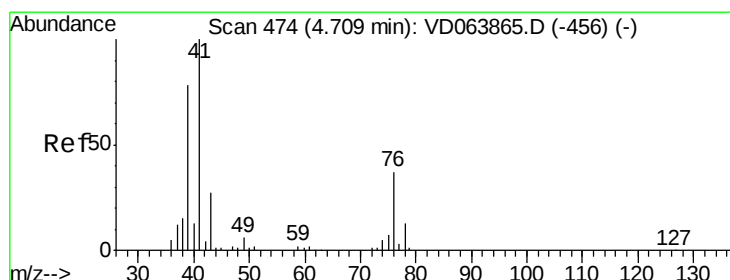
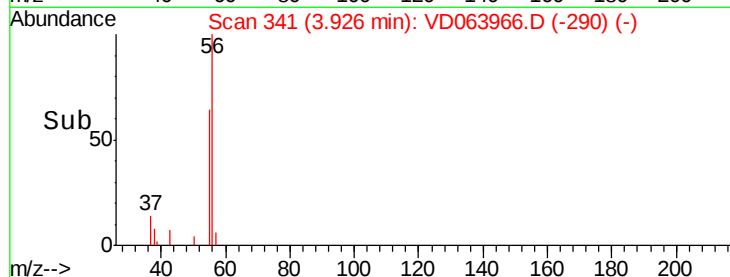
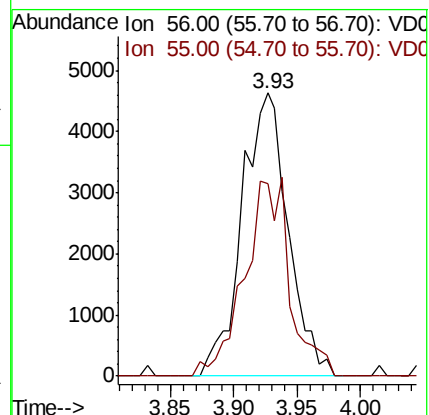
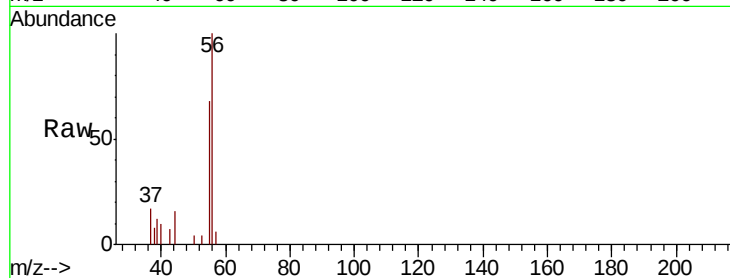
VD1015SBS01

Tot Ion: 56 Resp: 11755

Ion Ratio Lower Upper

56 100

55 67.9 53.0 79.6



#14

Allyl chloride

Concen: 19.603 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

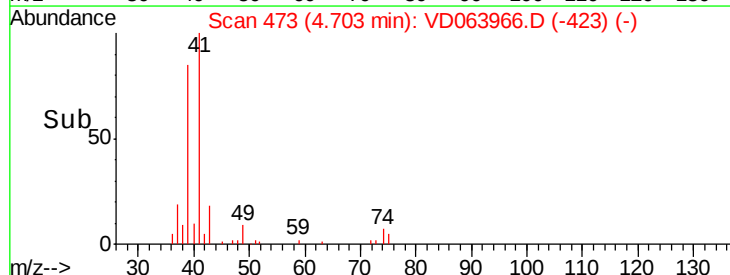
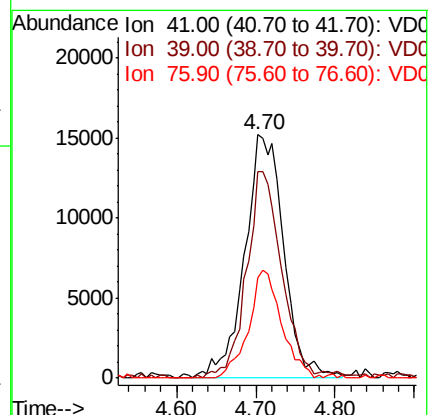
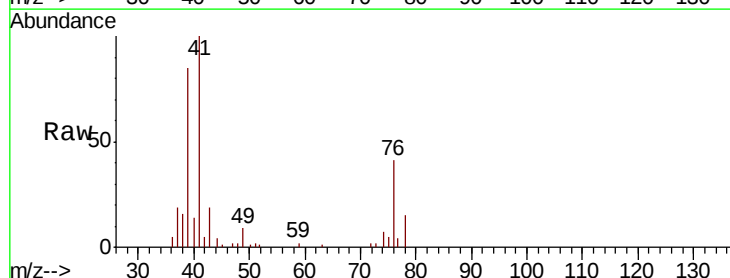
Tgt Ion: 41 Resp: 52065

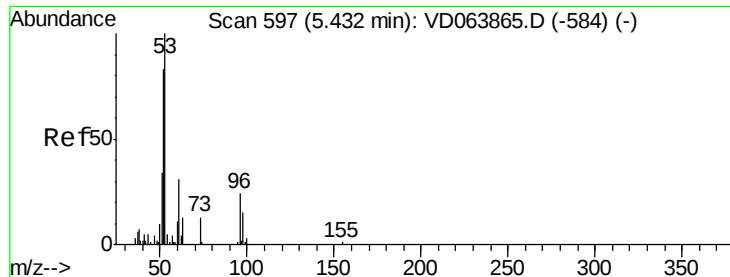
Ion Ratio Lower Upper

41 100

39 76.2 61.8 92.6

76 37.5 31.3 46.9





#15

Acrylonitrile

Concen: 99.182 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

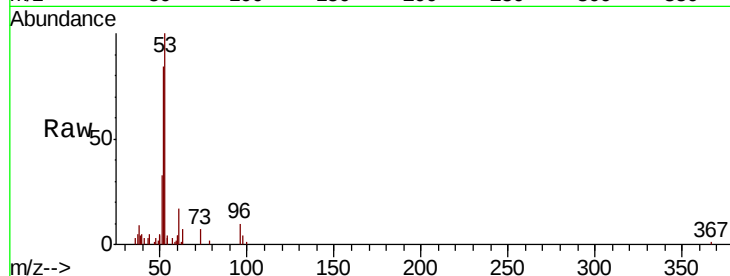
Tot Ion: 53 Resp: 40543

Ion Ratio Lower Upper

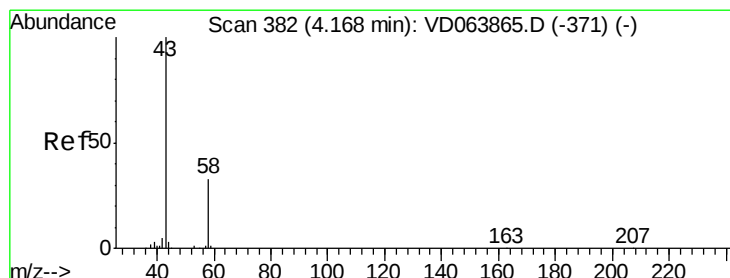
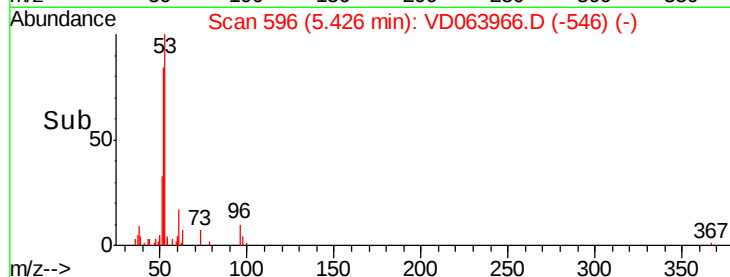
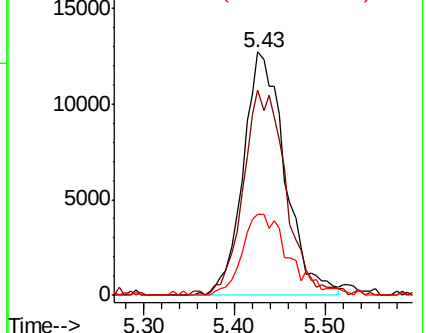
53 100

52 86.3 67.3 100.9

51 36.7 30.5 45.7



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 82.507 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD063966.D

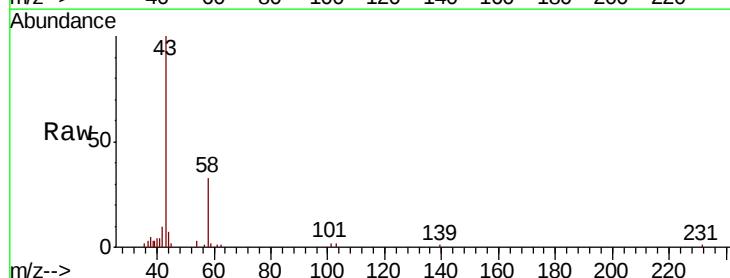
Acq: 15 Oct 2019 12:30

Tgt Ion: 43 Resp: 39864

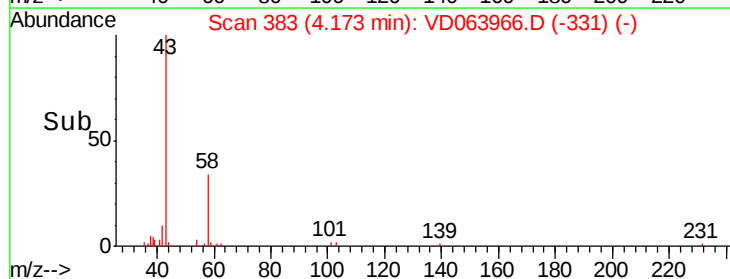
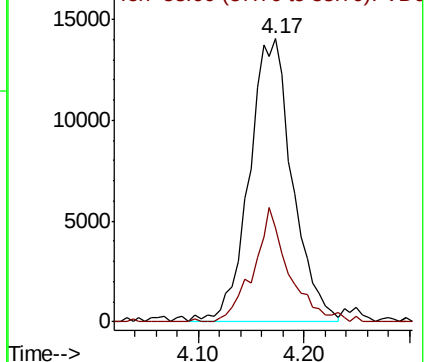
Ion Ratio Lower Upper

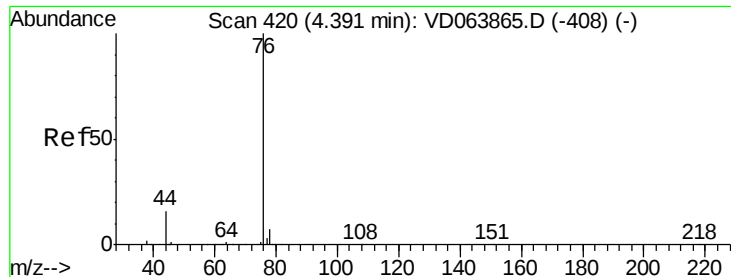
43 100

58 33.4 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

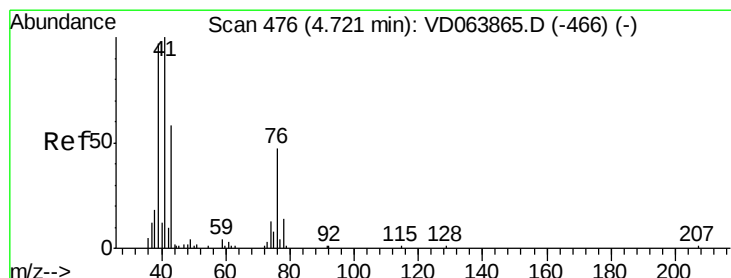
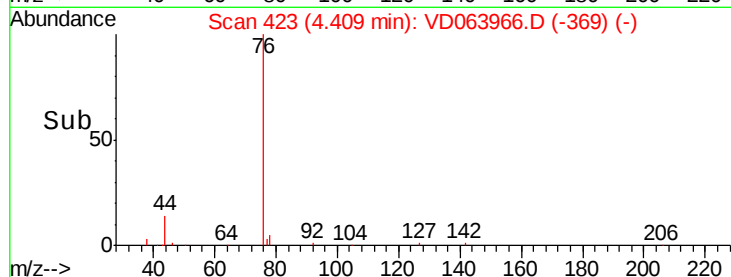
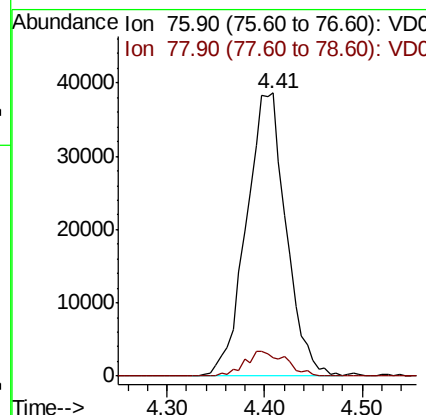
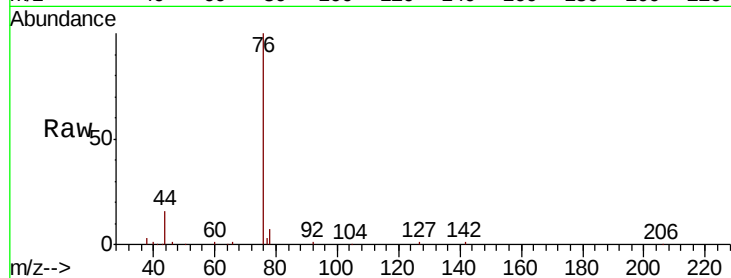




#17
Carbon Disulfide
Concen: 19.024 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.02 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

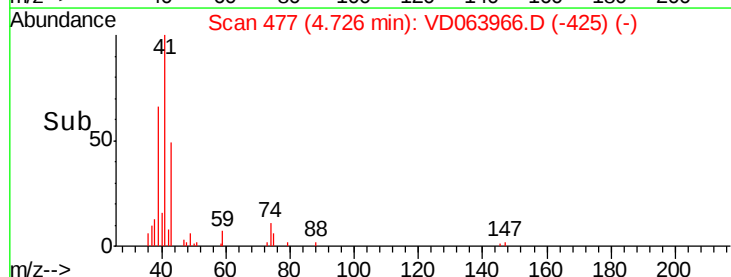
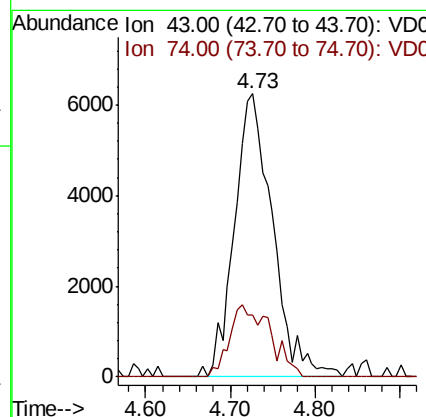
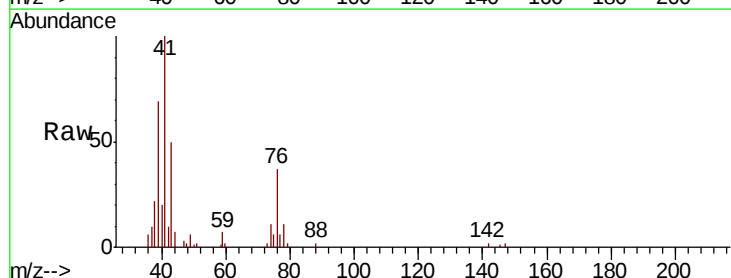
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

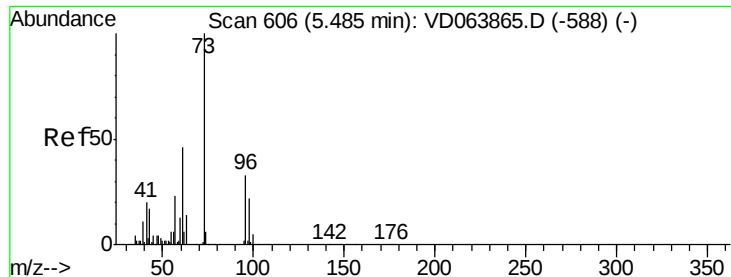
Tot Ion: 76 Resp: 110474
Ion Ratio Lower Upper
76 100
78 6.7 5.8 8.8



#18
Methyl Acetate
Concen: 20.701 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion: 43 Resp: 19563
Ion Ratio Lower Upper
43 100
74 27.0 20.8 31.2

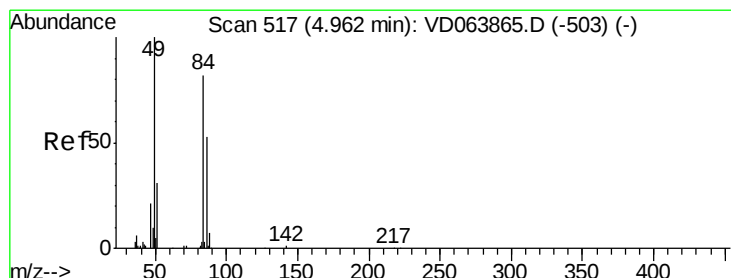
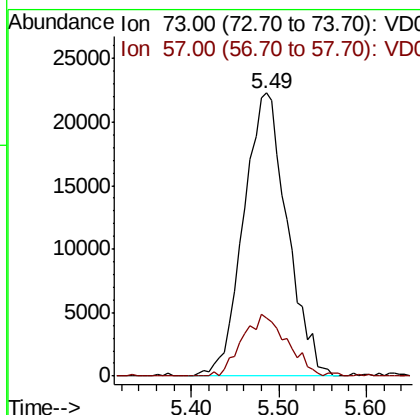
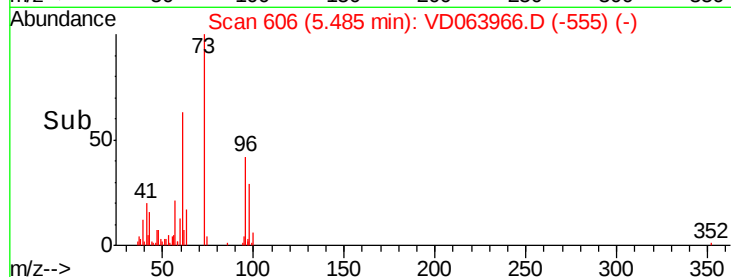
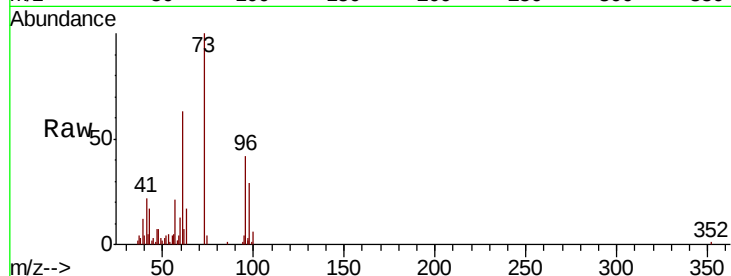




#19
Methvl tert-butvl Ether
Concen: 18.329 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

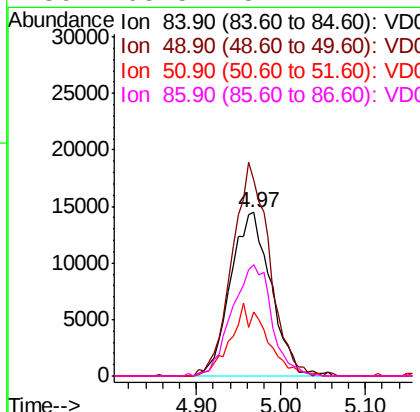
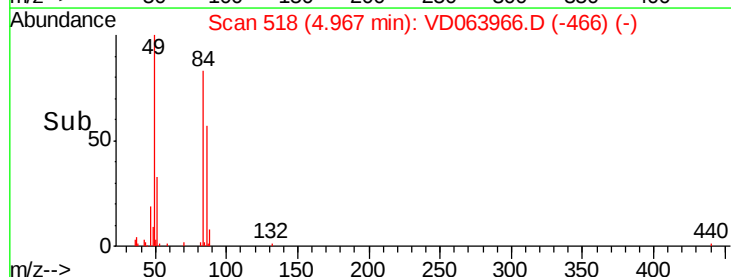
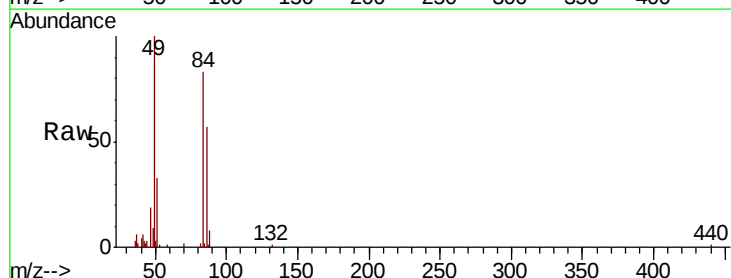
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

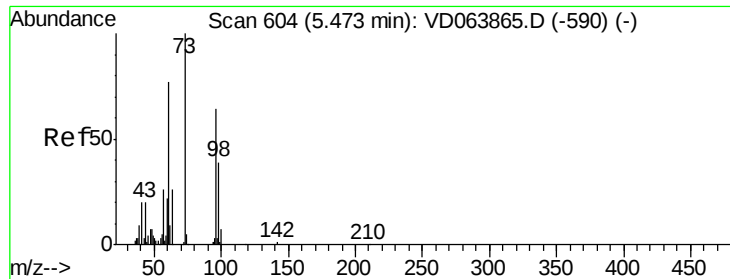
Tot Ion: 73 Resp: 75821
Ion Ratio Lower Upper
73 100
57 20.7 18.1 27.1



#20
Methylene Chloride
Concen: 20.616 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion: 84 Resp: 47990
Ion Ratio Lower Upper
84 100
49 119.9 97.3 145.9
51 39.4 30.1 45.1
86 68.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.390 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

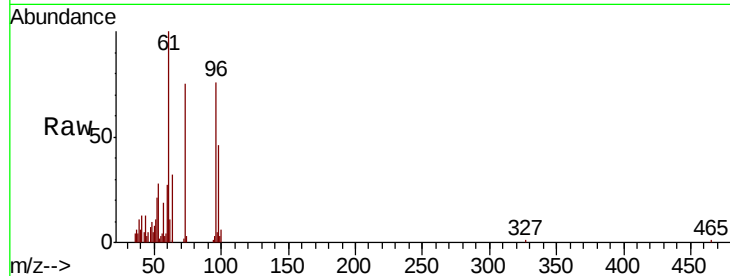
Tot Ion: 96 Resp: 40550

Ion Ratio Lower Upper

96 100

61 131.1 96.6 145.0

98 60.9 48.7 73.1

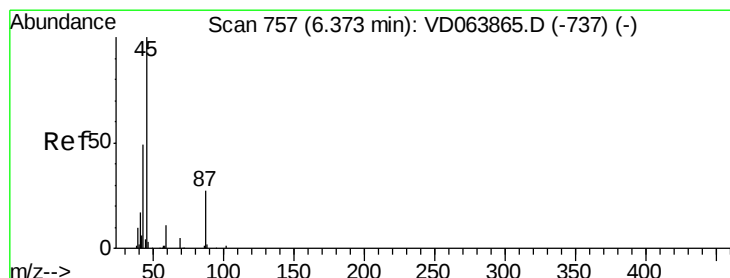
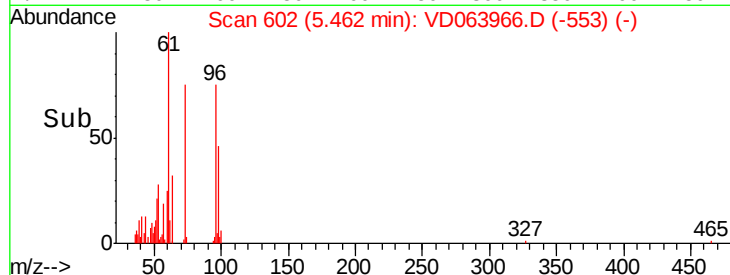
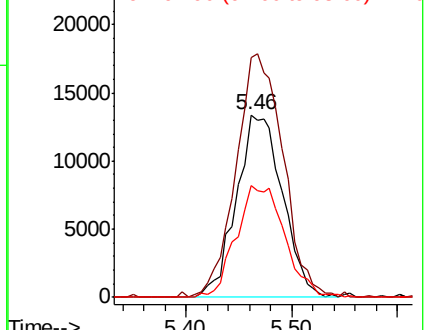


Abundance

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: 19.693 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Tgt Ion: 45 Resp: 106822

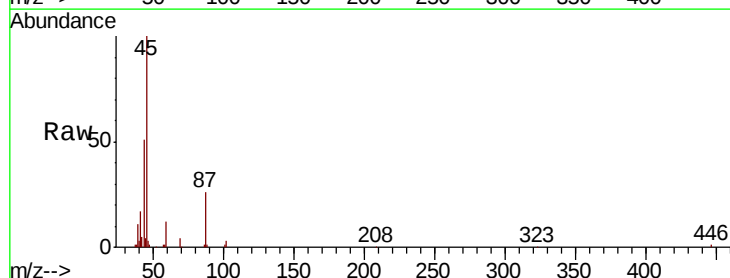
Ion Ratio Lower Upper

45 100

43 49.8 41.2 61.8

87 26.2 22.2 33.4

59 12.0 9.2 13.8



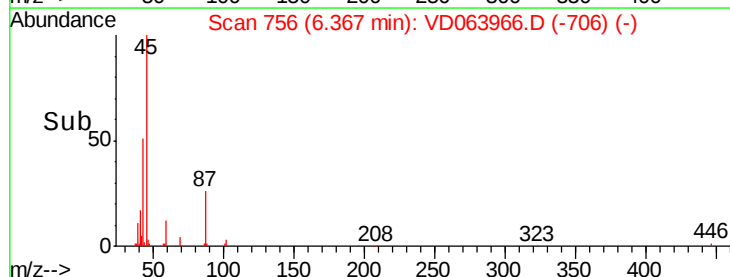
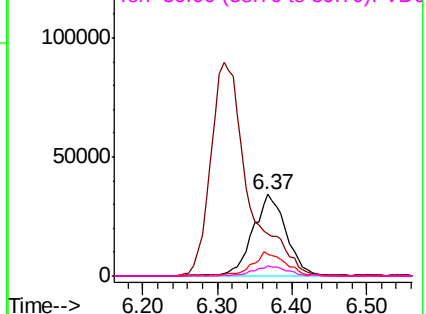
Abundance

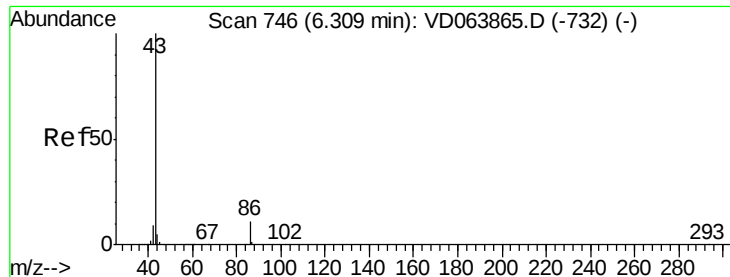
Ion 45.00 (44.70 to 45.70): VDC

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: 96.706 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

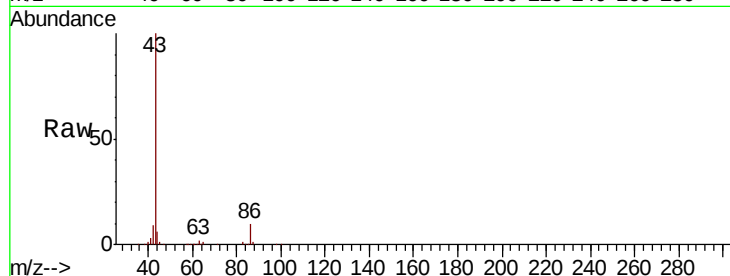
VD1015SBS01

Tot Ion: 43 Resp: 312058

Ion Ratio Lower Upper

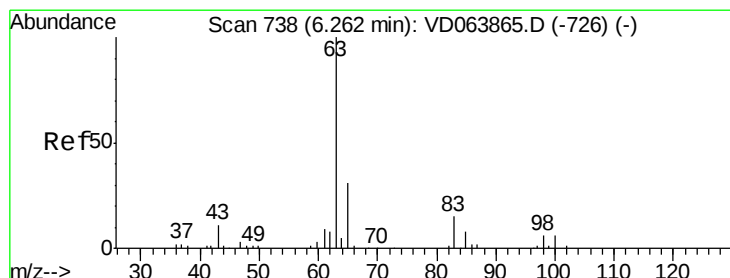
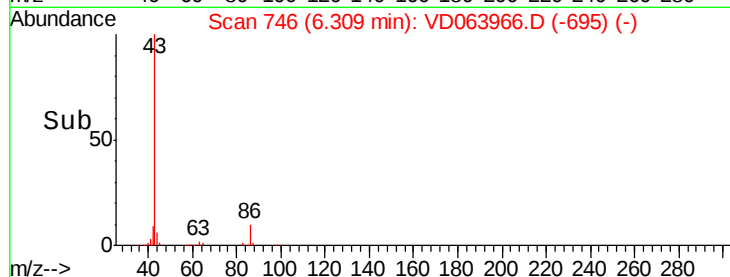
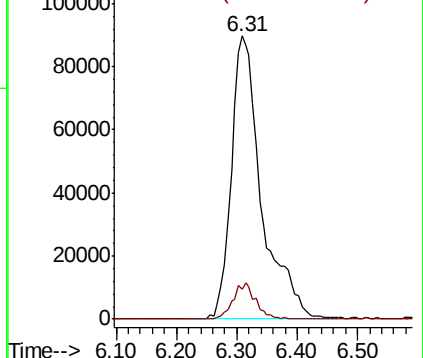
43 100

86 10.5 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: 20.677 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

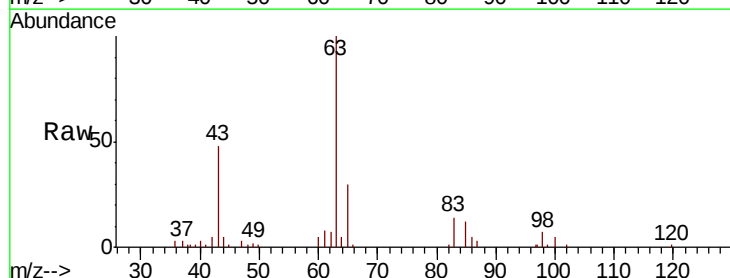
Tgt Ion: 63 Resp: 69084

Ion Ratio Lower Upper

63 100

98 8.1 3.1 9.4

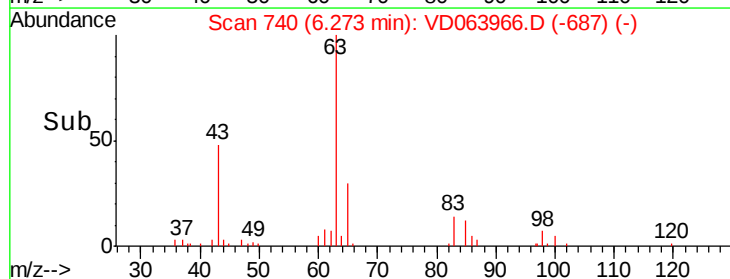
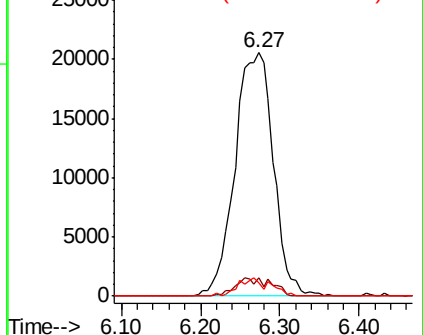
100 5.3 3.0 9.2

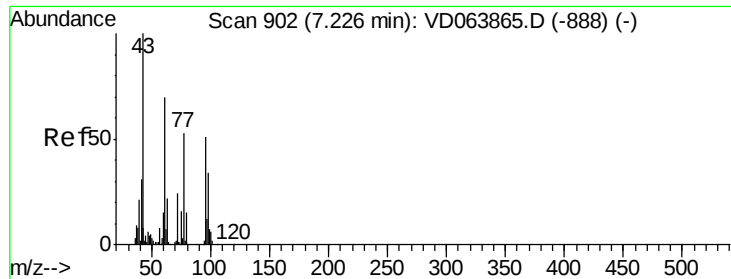


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 90.748 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

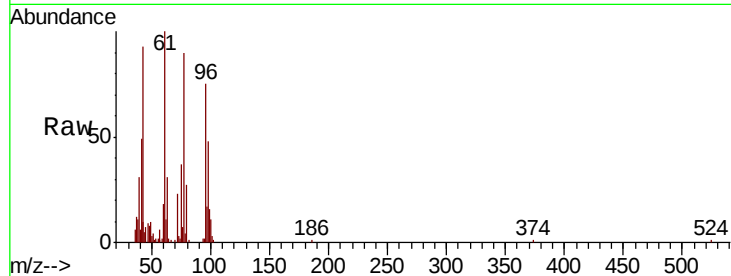
VD1015SBSD01

Tot Ion: 43 Resp: 51962

Ion Ratio Lower Upper

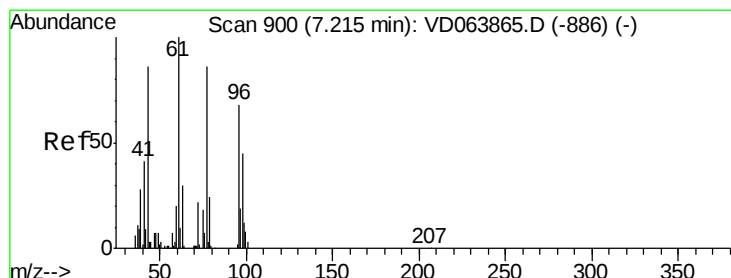
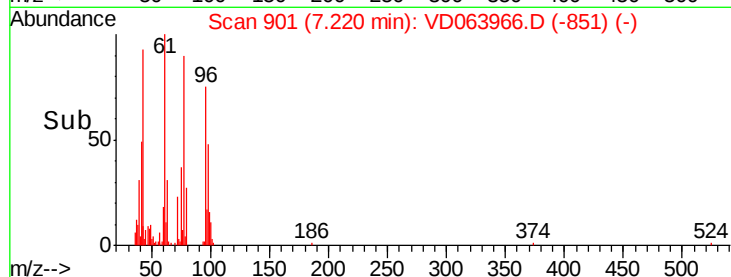
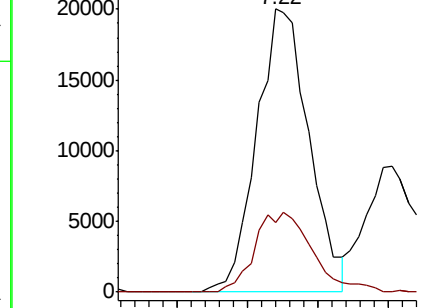
43 100

72 24.6 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: 20.663 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063966.D

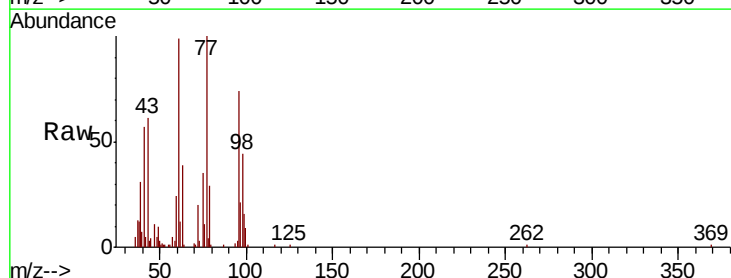
Acq: 15 Oct 2019 12:30

Tgt Ion: 77 Resp: 62451

Ion Ratio Lower Upper

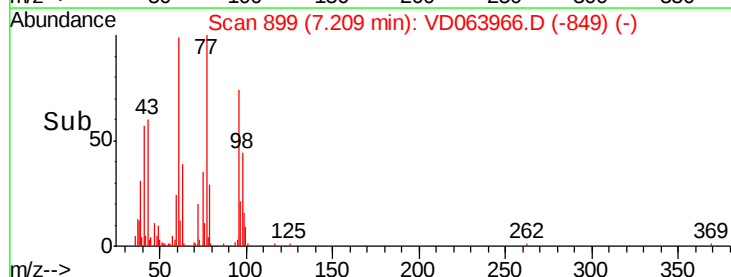
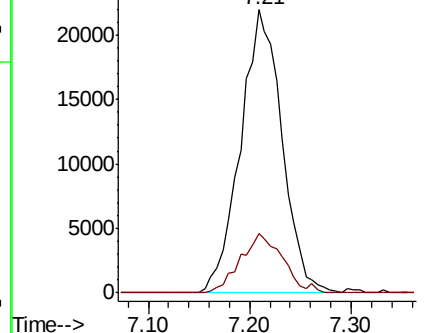
77 100

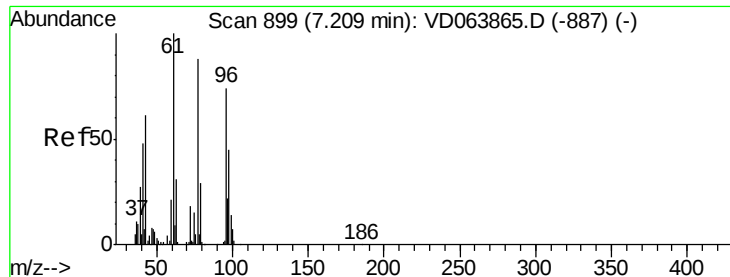
97 21.3 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

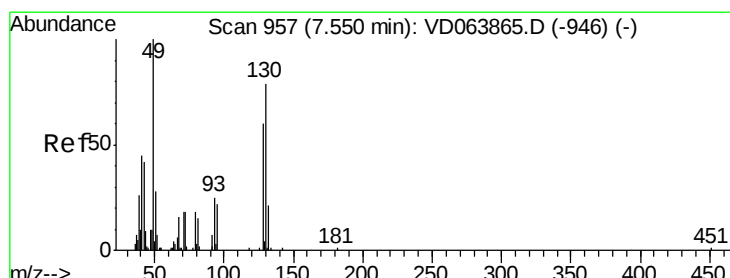
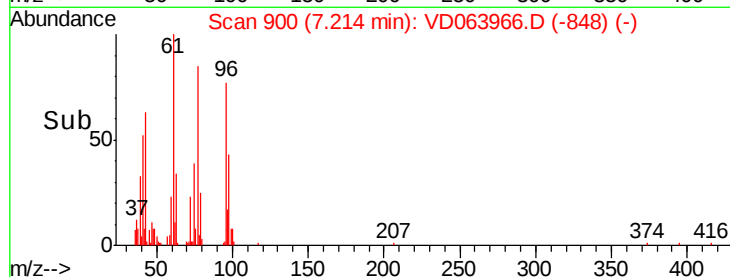
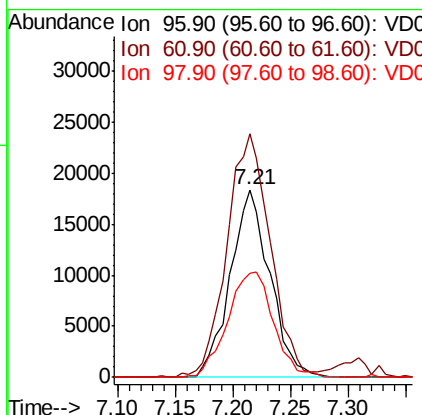
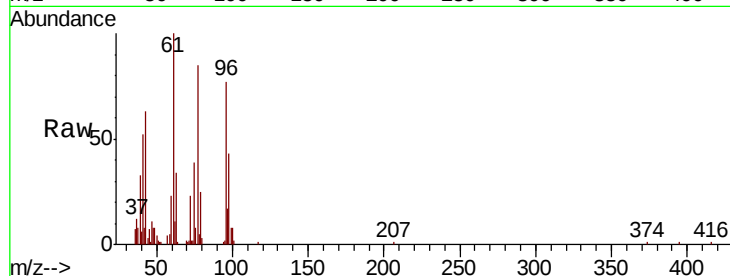




#27
 cis-1,2-Dichloroethene
 Concen: 19.463 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

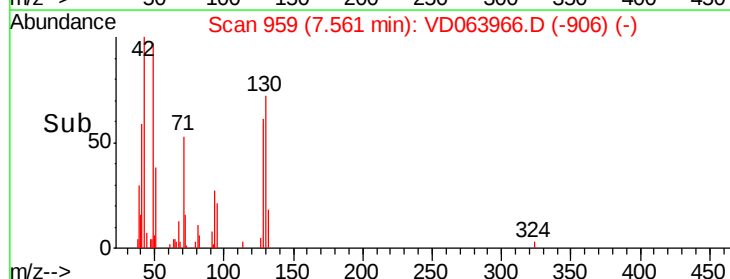
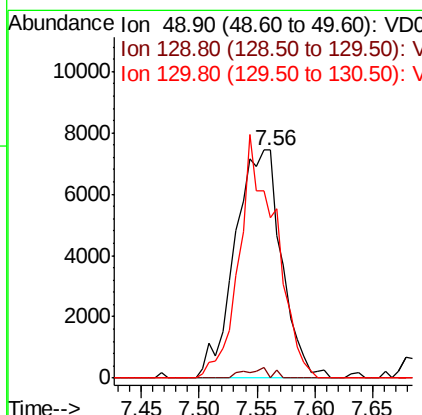
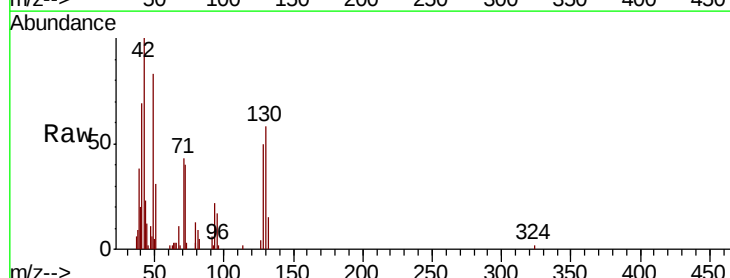
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

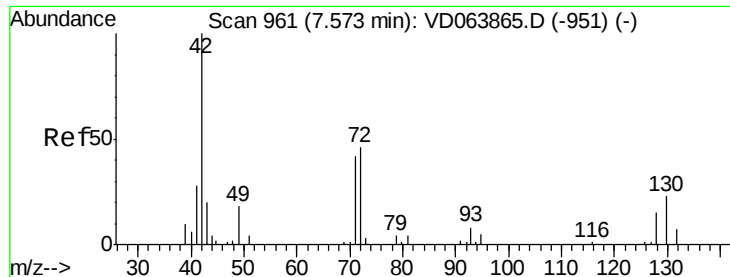
Tot Ion: 96 Resp: 43810
 Ion Ratio Lower Upper
 96 100
 61 142.0 0.0 280.0
 98 65.0 0.0 130.4



#28
 Bromochloromethane
 Concen: 17.733 ug/l
 RT: 7.56 min Scan# 959
 Delta R.T. 0.01 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

Tgt Ion: 49 Resp: 20938
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 5.6
 130 83.9 66.8 100.2

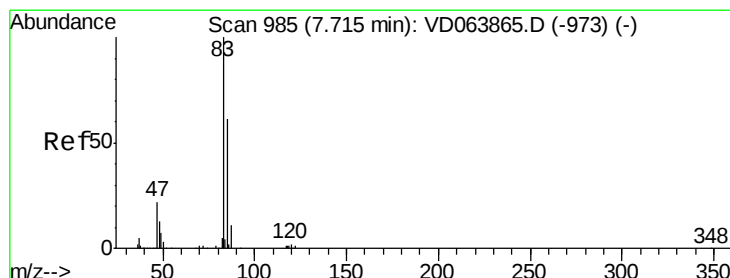
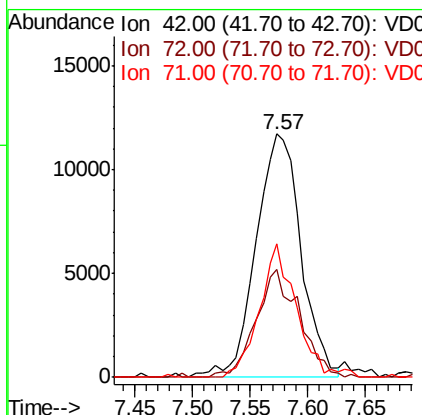
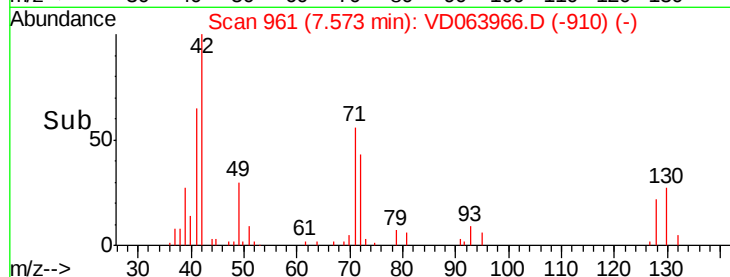
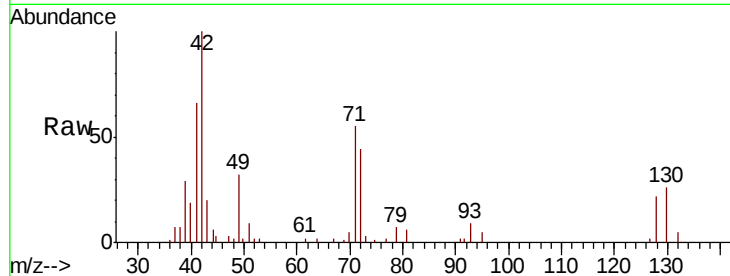




#29
Tetrahydrofuran
Concen: 94.921 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

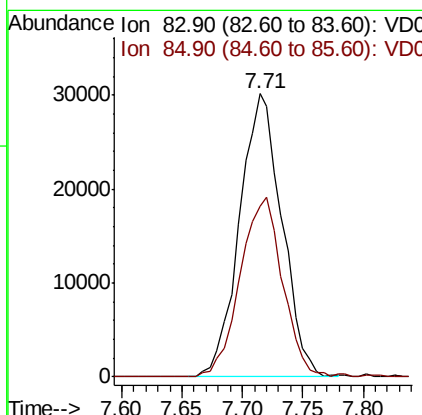
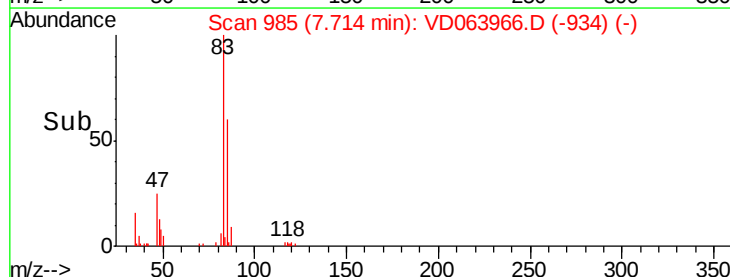
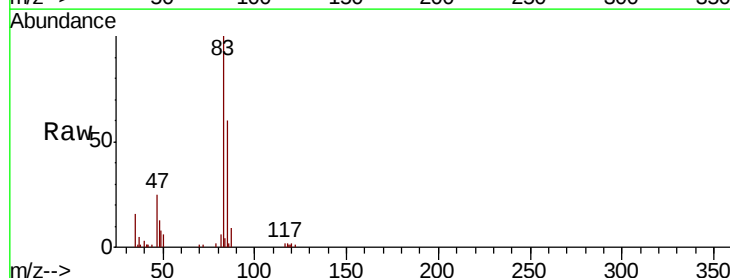
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

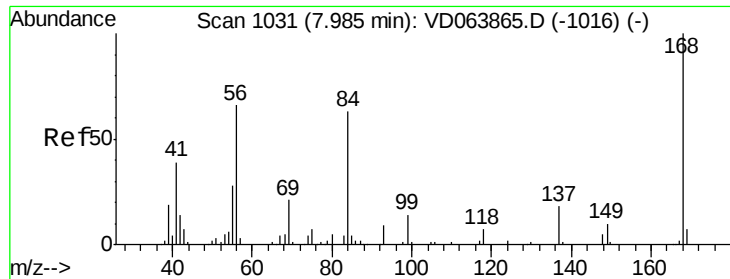
Tot Ion: 42 Resp: 31724
Ion Ratio Lower Upper
42 100
72 43.0 37.6 56.4
71 44.5 35.0 52.6



#30
Chloroform
Concen: 20.235 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion: 83 Resp: 73431
Ion Ratio Lower Upper
83 100
85 60.3 48.9 73.3

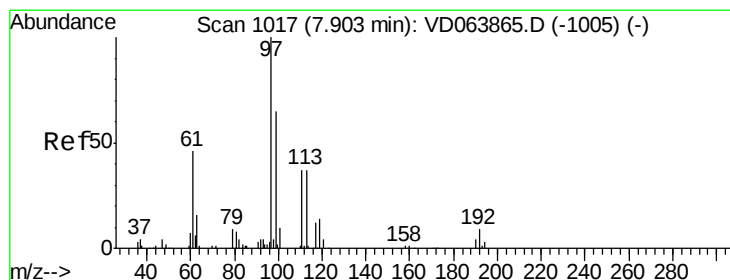
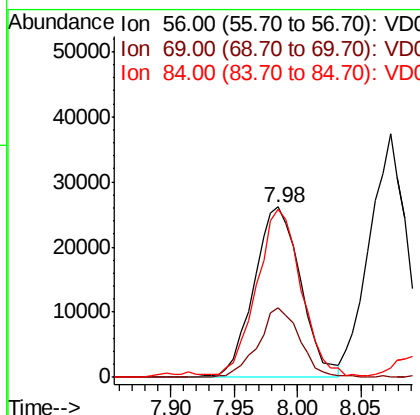
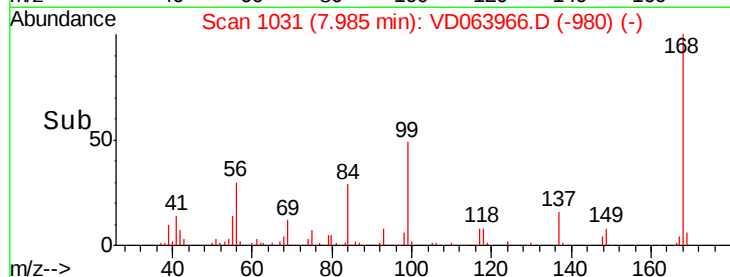
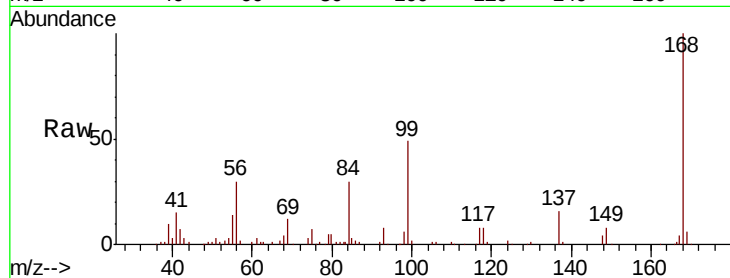




#31
Cyclohexane
Concen: 22.121 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

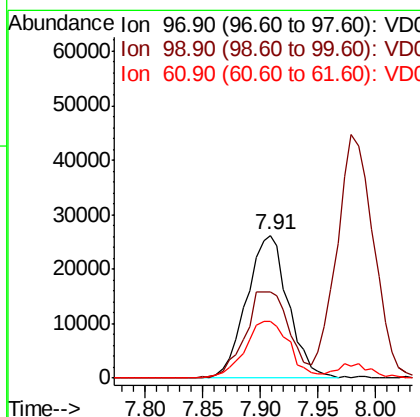
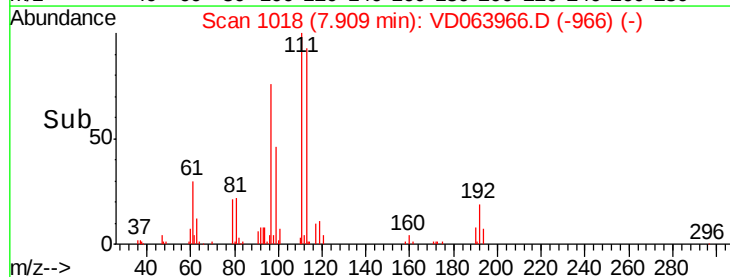
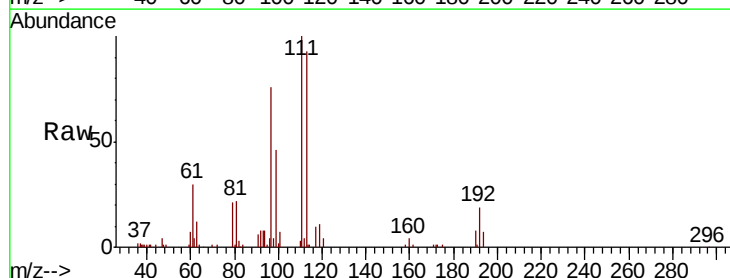
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

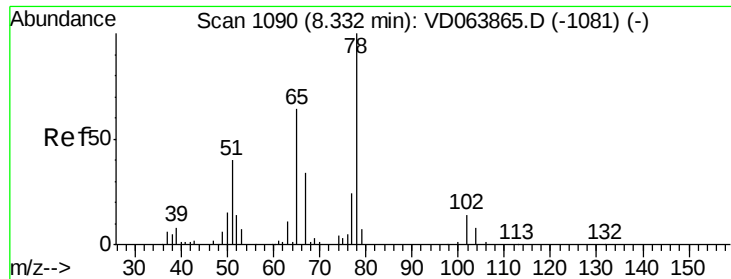
Tot Ion: 56 Resp: 67254
Ion Ratio Lower Upper
56 100
69 41.1 25.0 37.4#
84 95.6 76.3 114.5



#32
1,1,1-Trichloroethane
Concen: 21.101 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion: 97 Resp: 65684
Ion Ratio Lower Upper
97 100
99 64.4 52.4 78.6
61 43.1 33.8 50.8

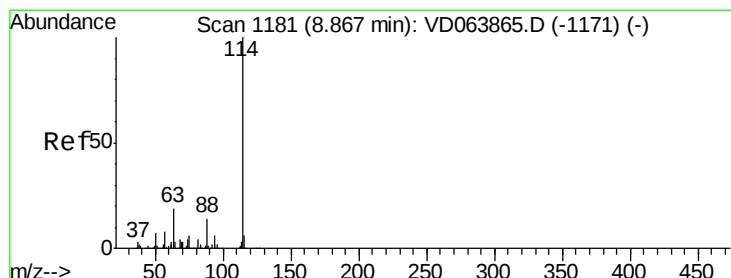
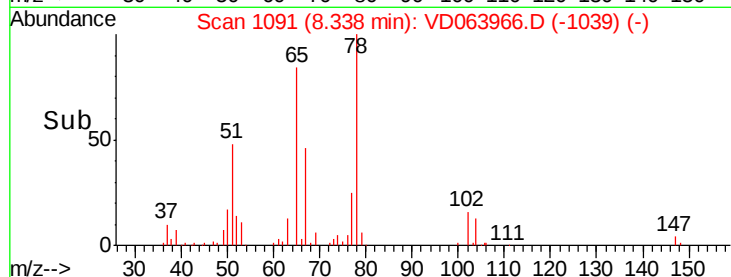
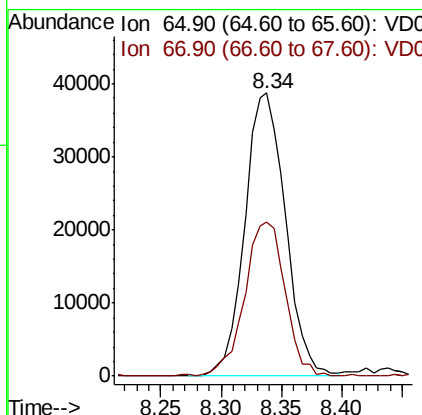
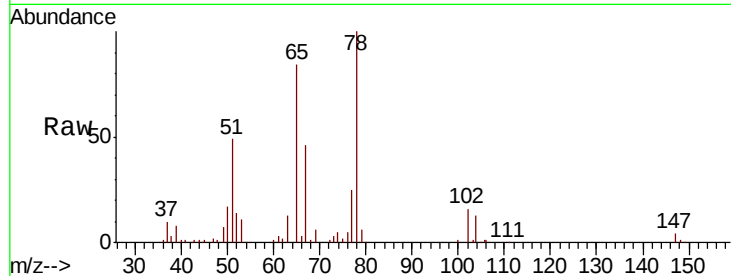




#33
 1,2-Dichloroethane-d4
 Concen: 48.948 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

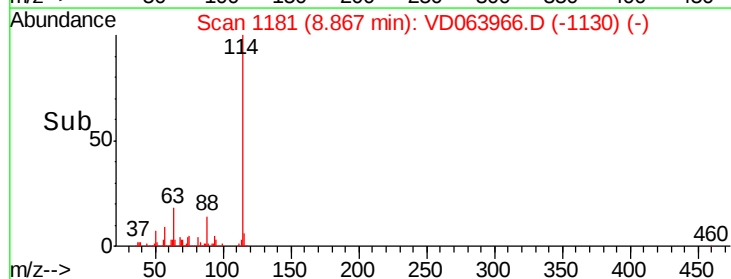
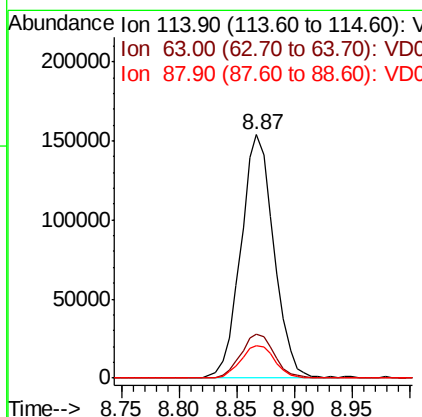
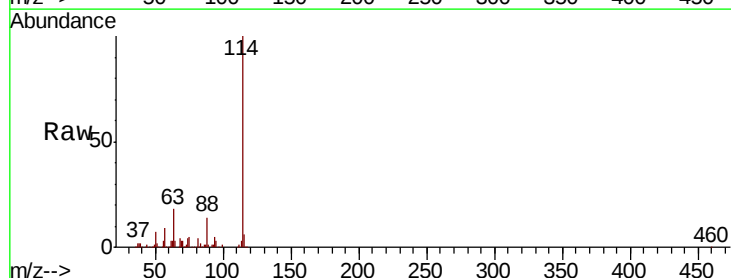
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBSD01

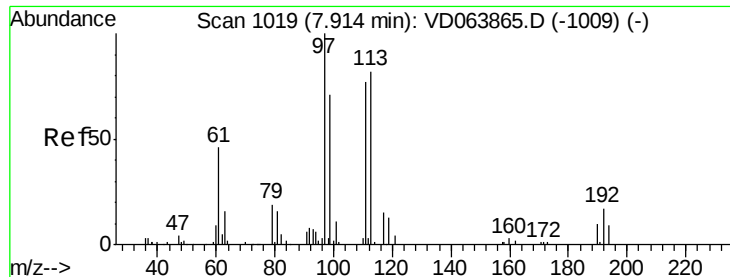
Tot Ion: 65 Resp: 90837
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

Tgt Ion: 114 Resp: 305300
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 38.4
 88 13.5 0.0 27.4

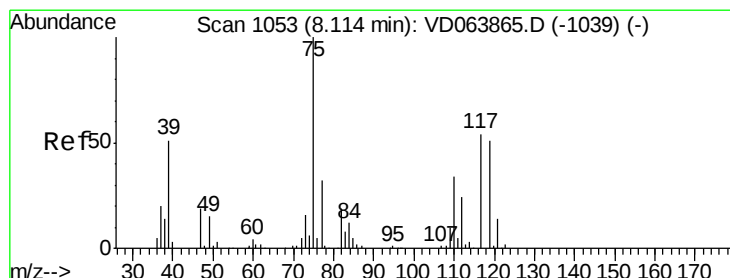
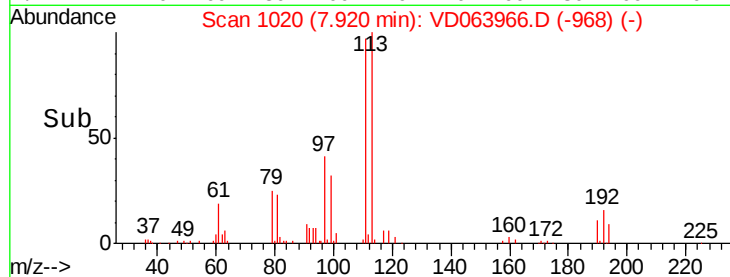
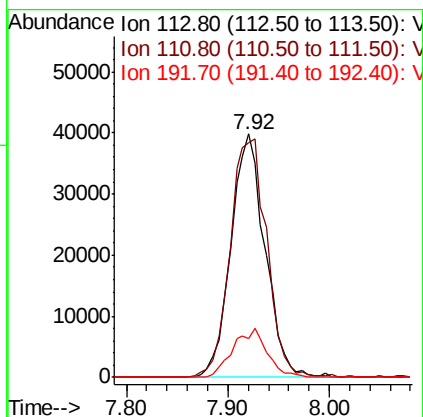
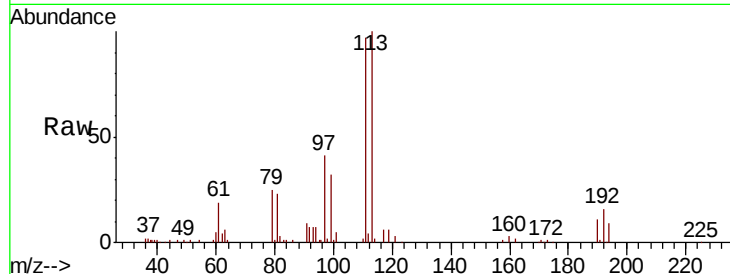




#35
Dibromofluoromethane
Concen: 49.736 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

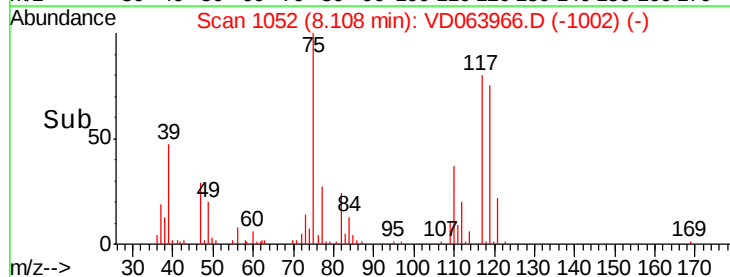
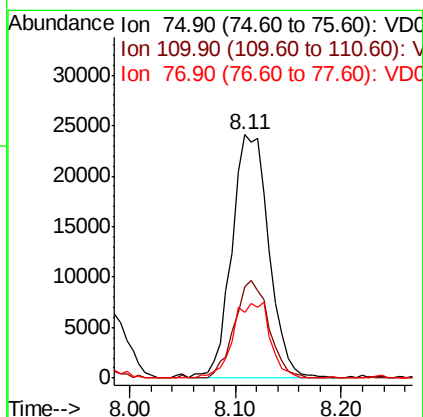
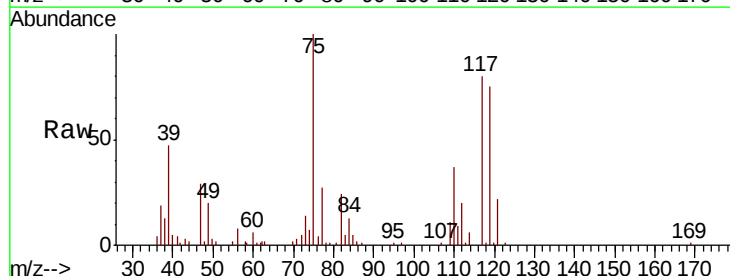
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBSD01

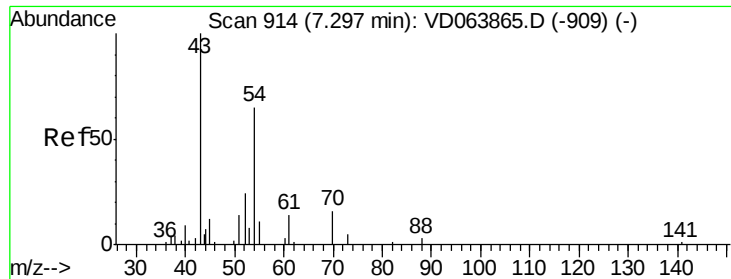
Tot Ion:113 Resp: 92796
Ion Ratio Lower Upper
113 100
111 105.5 82.6 123.8
192 20.3 17.1 25.7



#36
1,1-Dichloropropene
Concen: 21.011 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion: 75 Resp: 58650
Ion Ratio Lower Upper
75 100
110 37.0 17.4 52.3
77 31.2 25.4 38.0

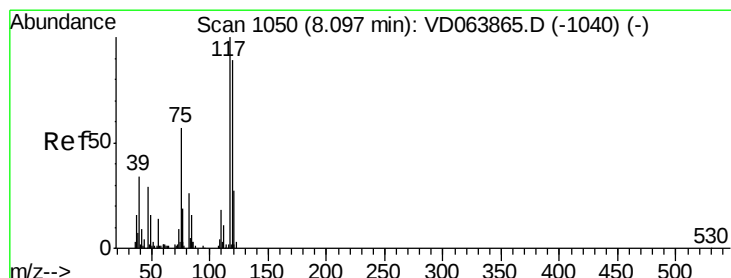
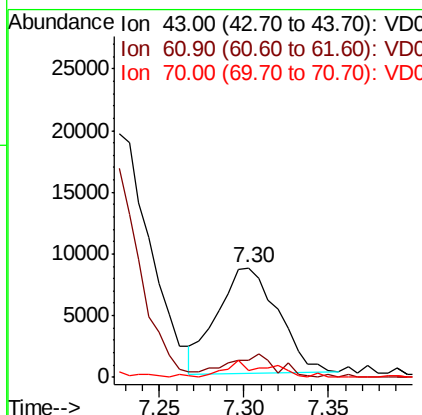
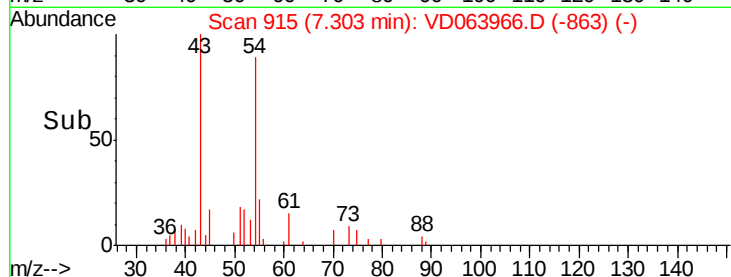
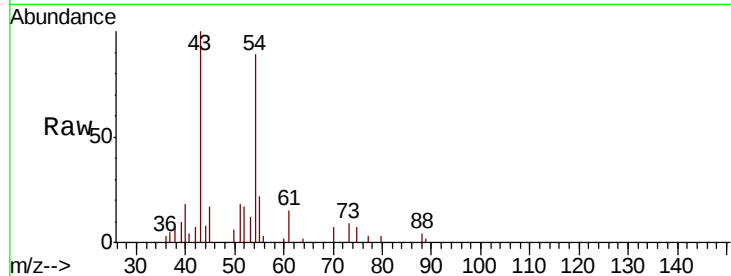




#37
Ethyl Acetate
Concen: 16.250 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

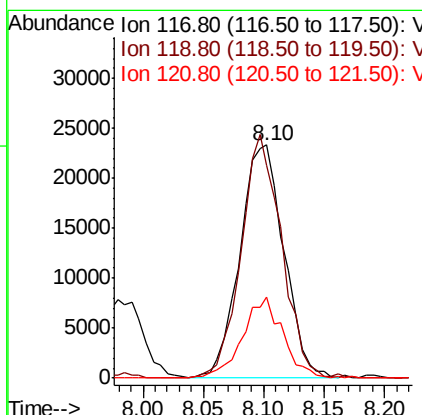
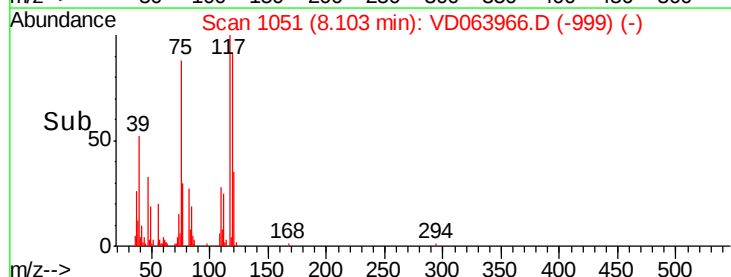
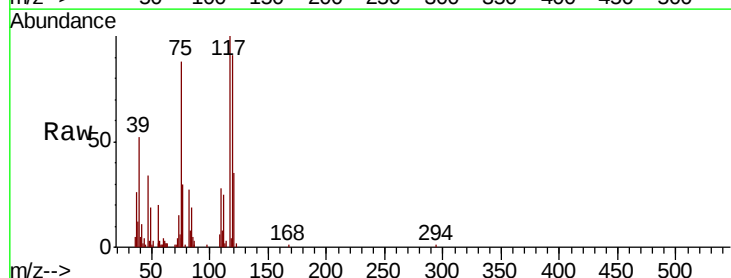
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

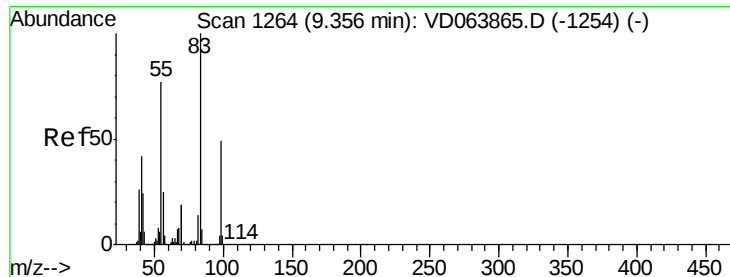
Tot Ion: 43 Resp: 21202
Ion Ratio Lower Upper
43 100
61 17.6 11.5 17.3#
70 7.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 20.983 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion: 117 Resp: 59189
Ion Ratio Lower Upper
117 100
119 91.2 70.8 106.2
121 35.0 21.4 32.0#

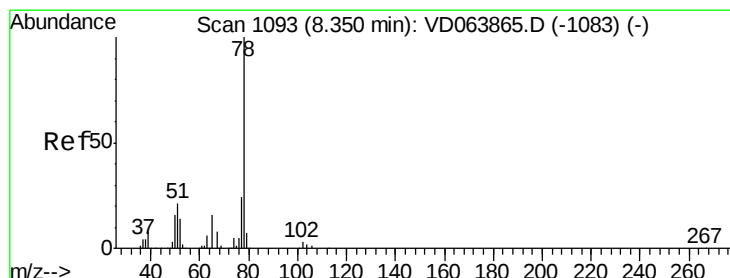
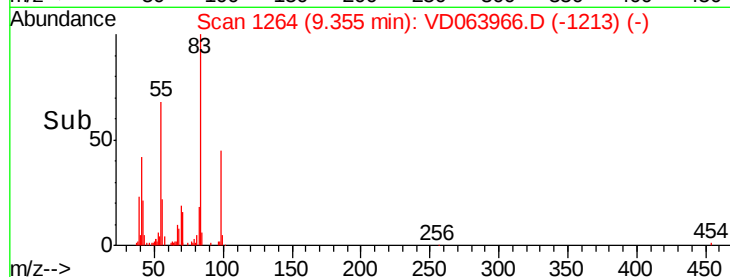
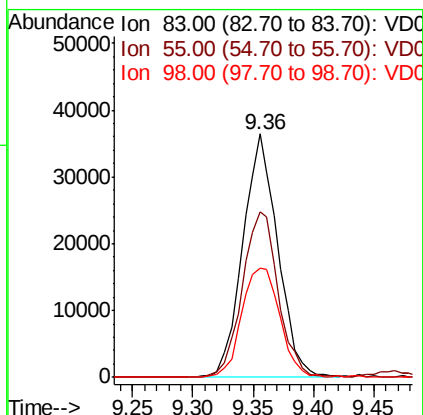
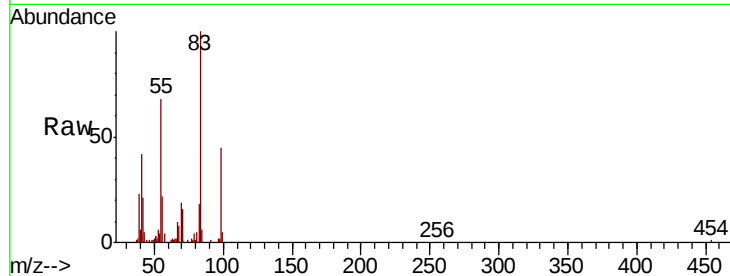




#39
Methylvlcvclohexane
Concen: 21.373 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

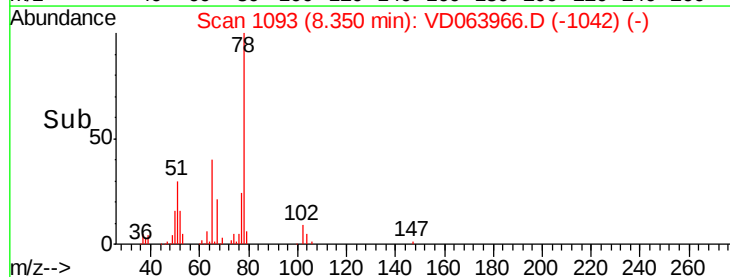
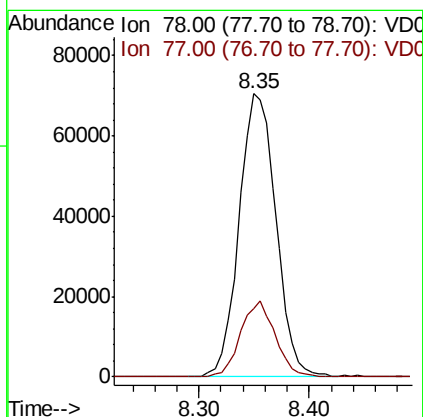
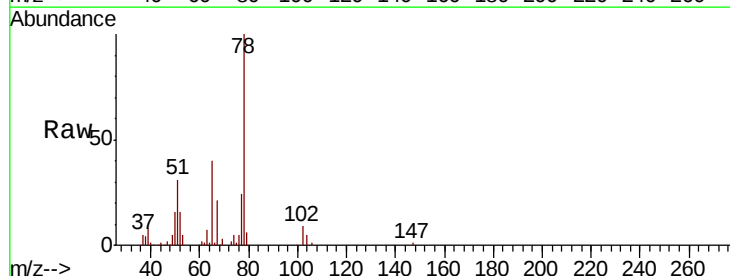
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBSD01

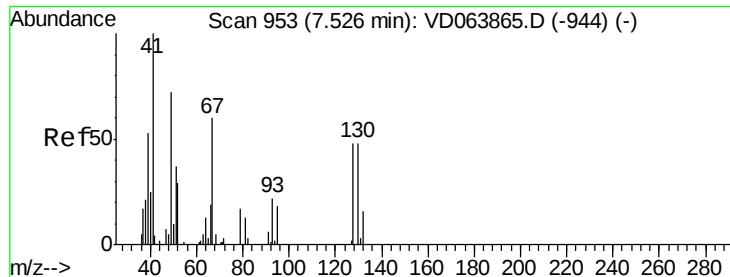
Tot Ion: 83 Resp: 73358
Ion Ratio Lower Upper
83 100
55 68.1 61.3 91.9
98 45.1 39.3 58.9



#40
Benzene
Concen: 20.660 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion: 78 Resp: 165265
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.6

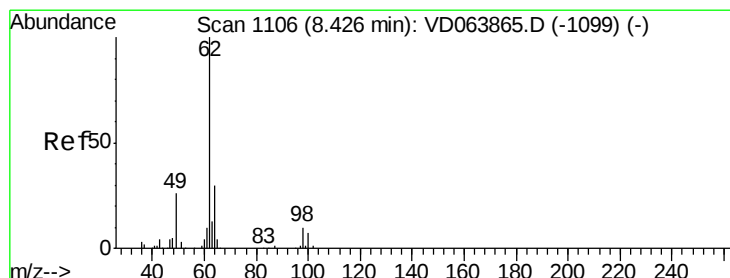
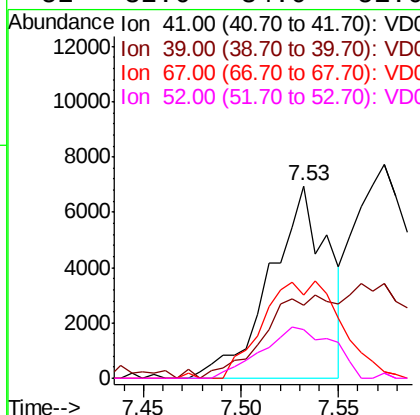
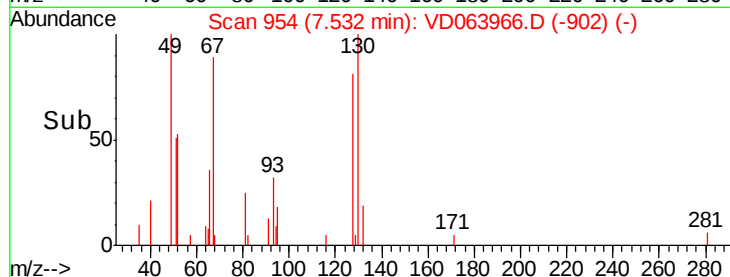
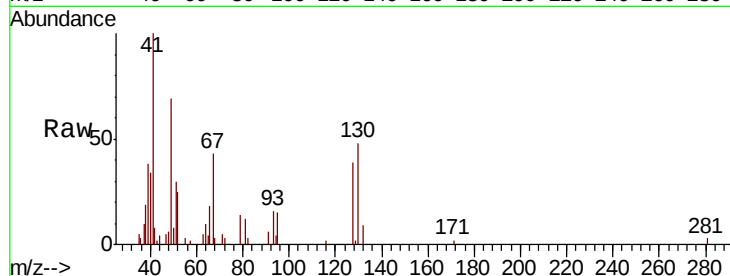




#41
Methacrylonitrile
Concen: 21.961 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

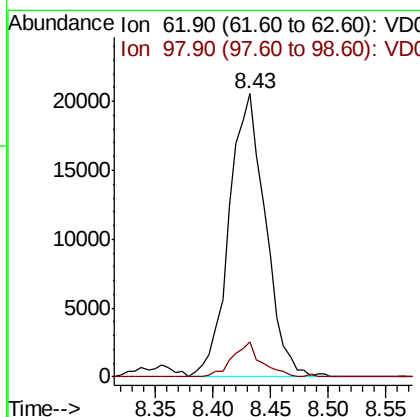
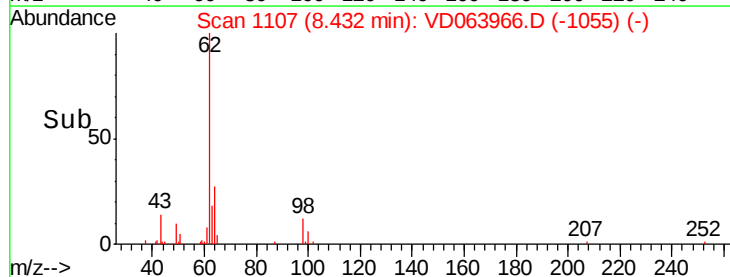
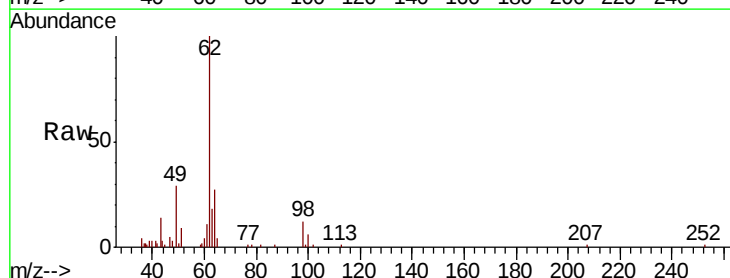
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBSD01

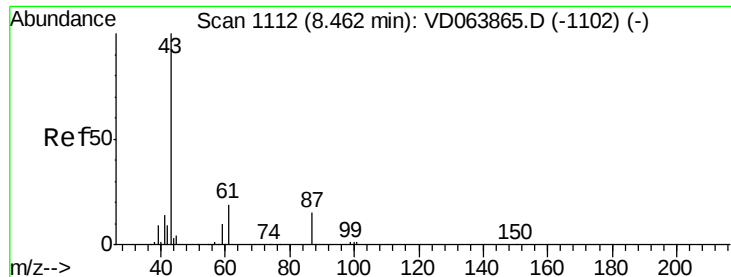
Tot Ion: 41 Resp: 14213
Ion Ratio Lower Upper
41 100
39 54.4 52.6 78.8
67 68.5 74.2 111.2#
52 32.6 34.0 51.0#



#42
1,2-Dichloroethane
Concen: 19.439 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion: 62 Resp: 44981
Ion Ratio Lower Upper
62 100
98 9.8 0.0 20.0





#43

Isopropyl Acetate

Concen: 18.375 ug/l

RT: 8.47 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

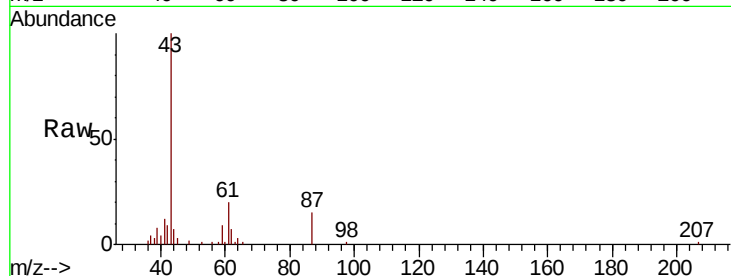
Tot Ion: 43 Resp: 43015

Ion Ratio Lower Upper

43 100

61 30.8 25.7 38.5

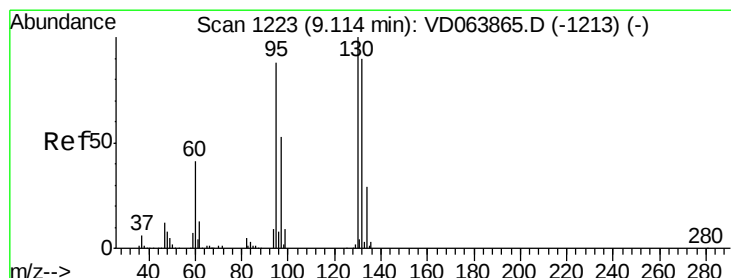
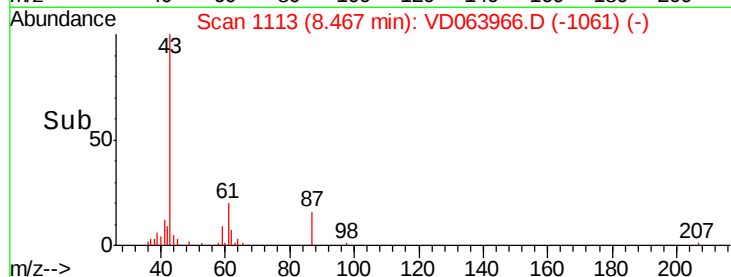
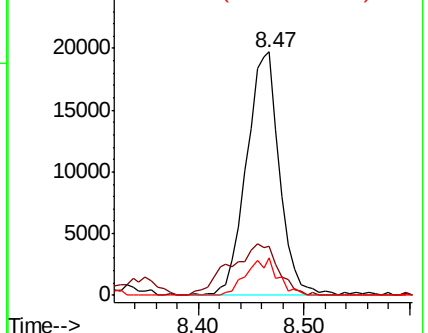
87 14.5 11.6 17.4



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: 20.510 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD063966.D

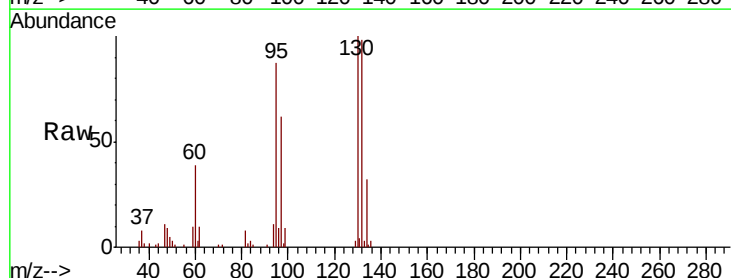
Acq: 15 Oct 2019 12:30

Tgt Ion: 130 Resp: 47311

Ion Ratio Lower Upper

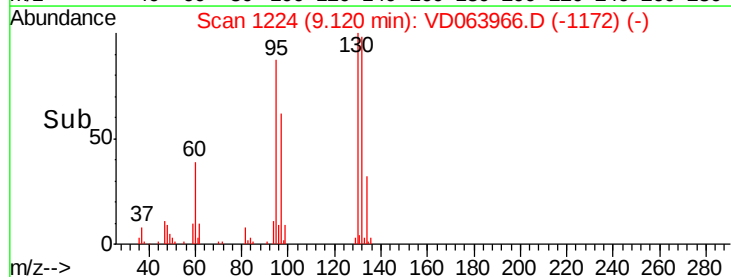
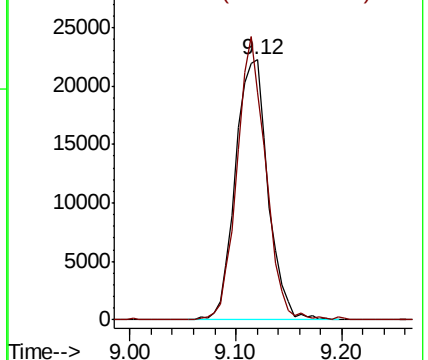
130 100

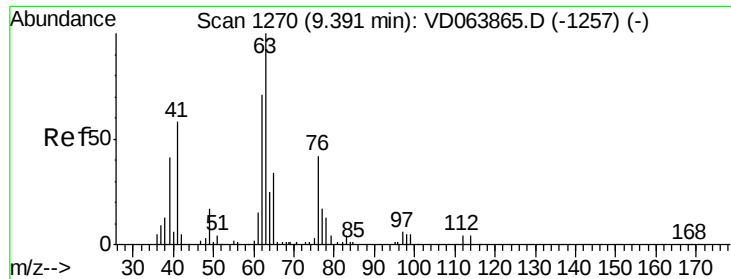
95 87.4 0.0 175.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.707 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

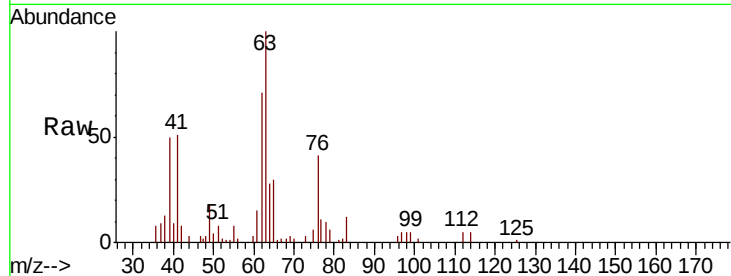
VD1015SBS01

Tot Ion: 63 Resp: 38585

Ion Ratio Lower Upper

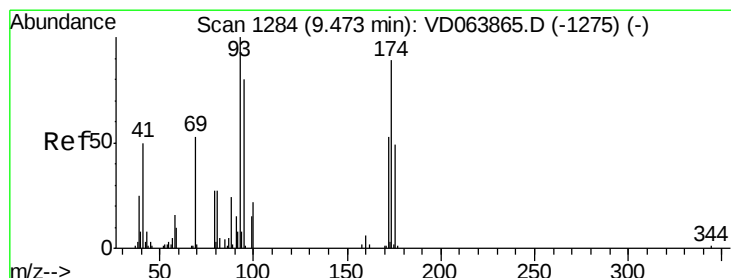
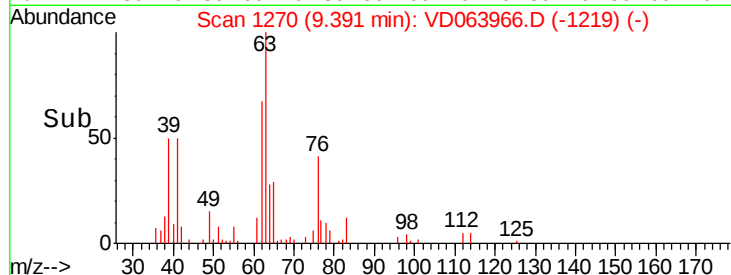
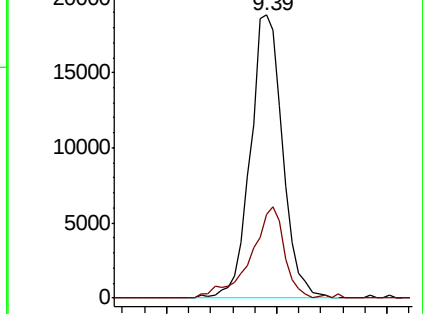
63 100

65 29.5 27.3 40.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 18.411 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

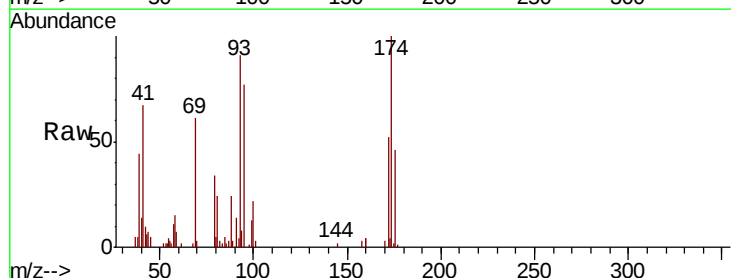
Tgt Ion: 93 Resp: 20530

Ion Ratio Lower Upper

93 100

95 94.0 66.0 99.0

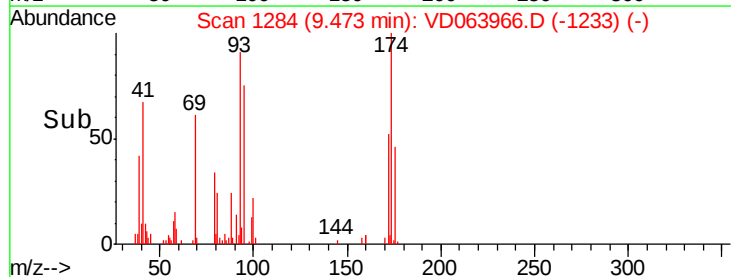
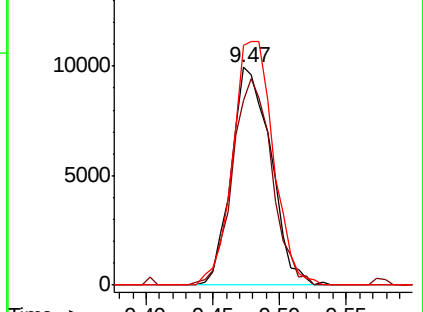
174 114.7 83.4 125.0

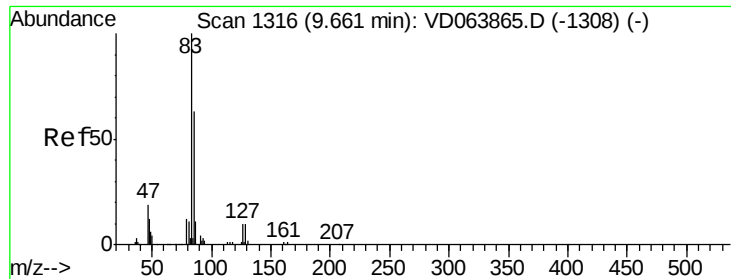


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.622 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

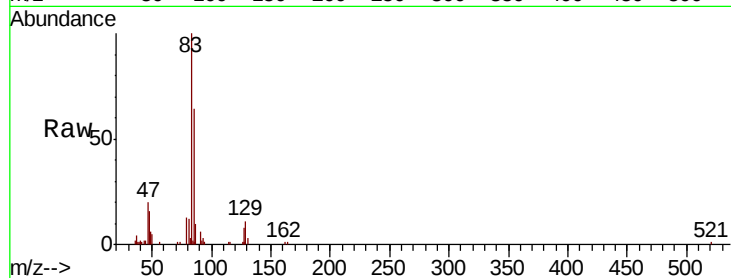
Tot Ion: 83 Resp: 56335

Ion Ratio Lower Upper

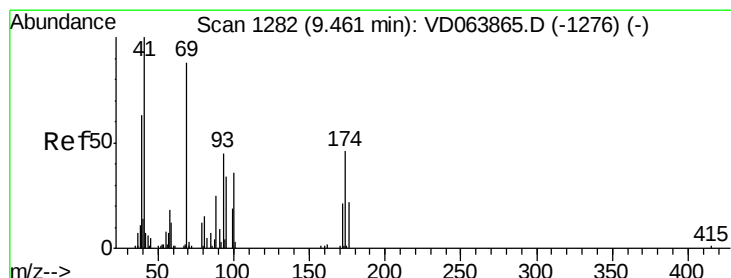
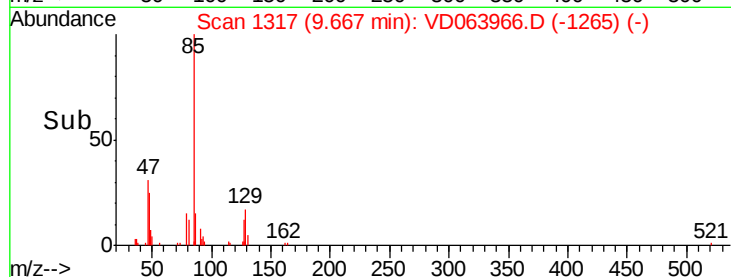
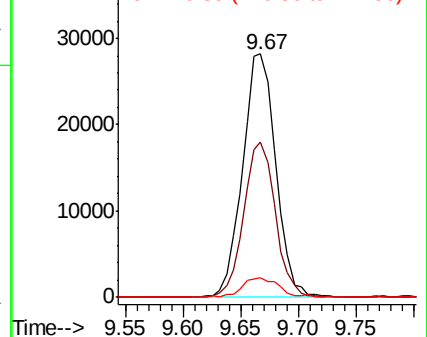
83 100

85 63.6 50.2 75.2

127 7.8 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: 19.334 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

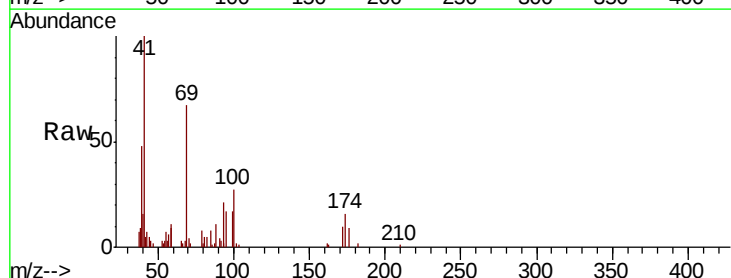
Tgt Ion: 41 Resp: 21686

Ion Ratio Lower Upper

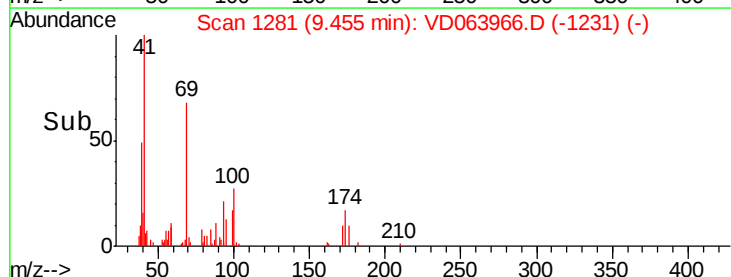
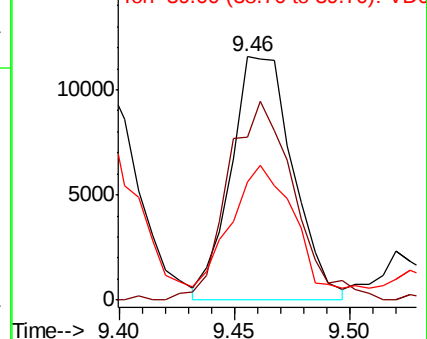
41 100

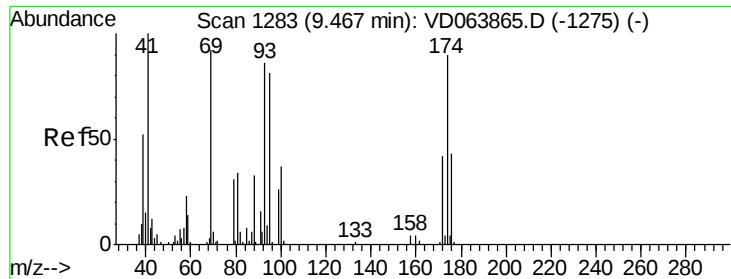
69 87.3 75.1 112.7

39 49.8 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

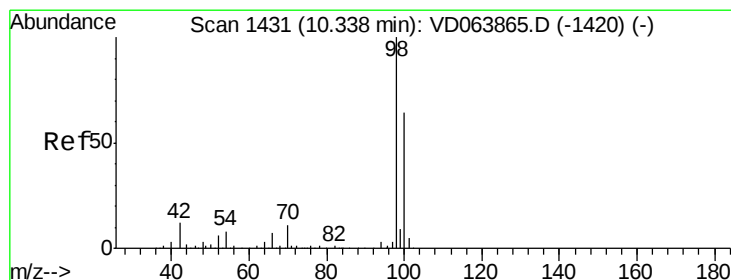
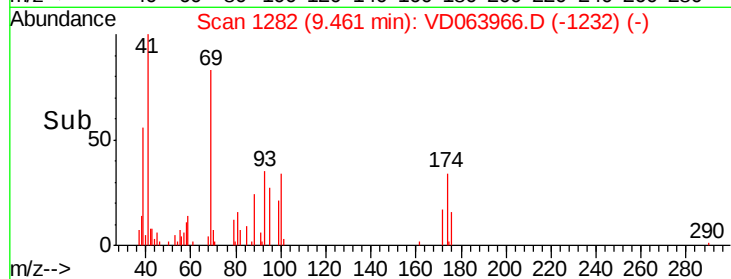
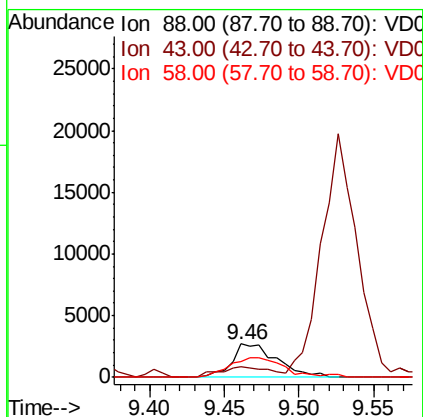
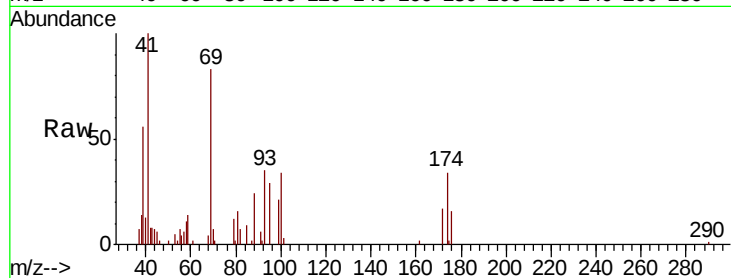




#49
 1,4-Dioxane
 Concen: 372.053 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

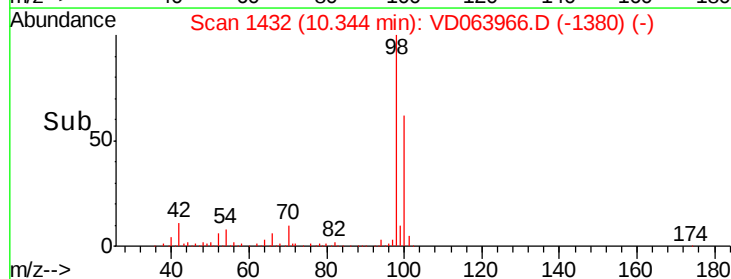
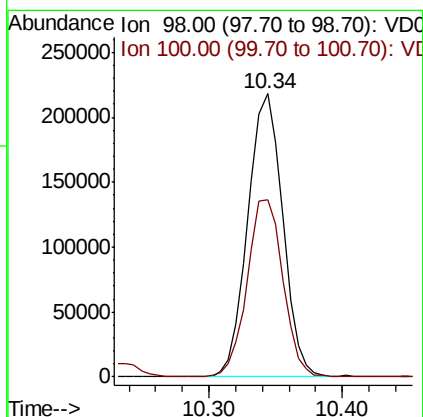
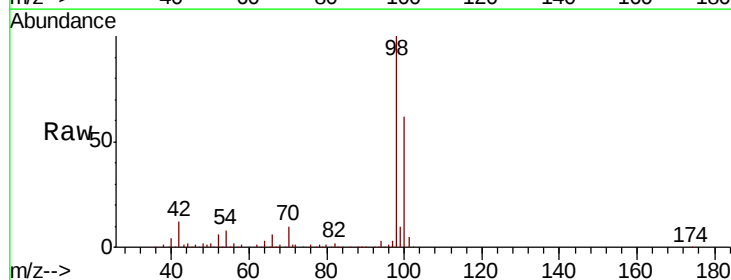
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBSD01

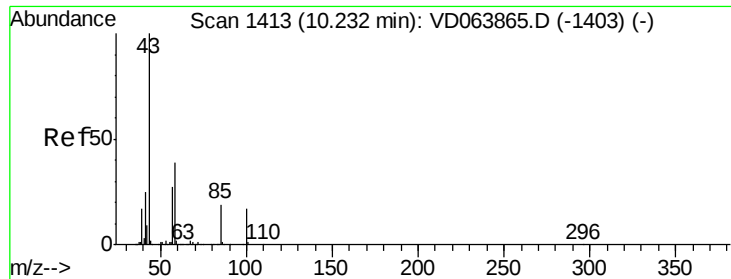
Tot Ion: 88 Resp: 5663
 Ion Ratio Lower Upper
 88 100
 43 36.9 27.6 41.4
 58 73.5 54.1 81.1



#50
 Toluene-d8
 Concen: 52.096 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

Tgt Ion: 98 Resp: 394521
 Ion Ratio Lower Upper
 98 100
 100 64.2 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 95.789 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

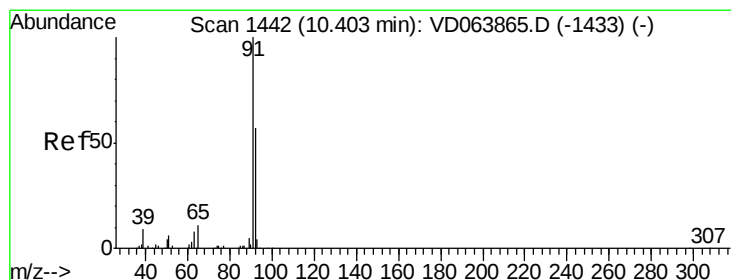
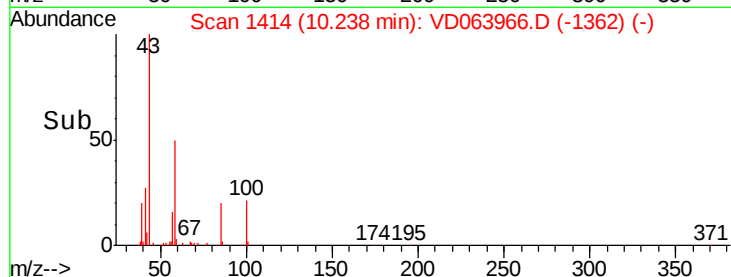
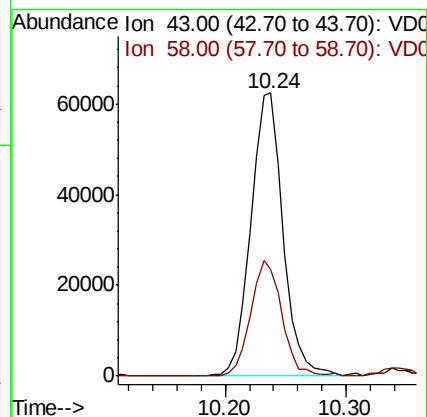
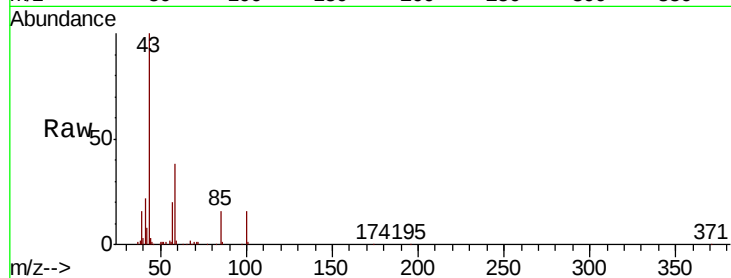
VD1015SBS01

Tot Ion: 43 Resp: 116297

Ion Ratio Lower Upper

43 100

58 39.6 33.0 49.4



#52

Toluene

Concen: 20.633 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063966.D

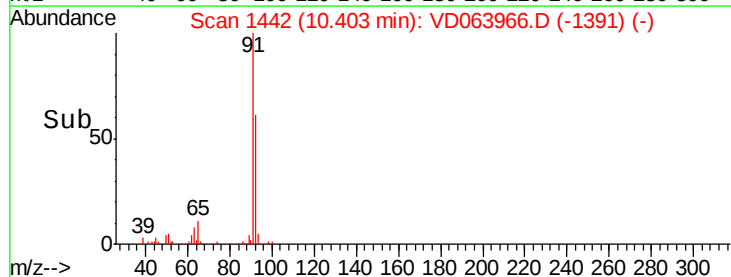
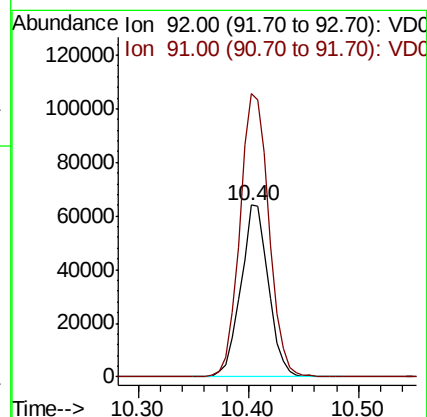
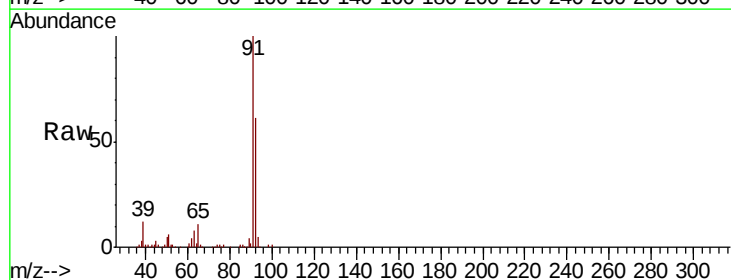
Acq: 15 Oct 2019 12:30

Tgt Ion: 92 Resp: 113304

Ion Ratio Lower Upper

92 100

91 171.9 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 18.367 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

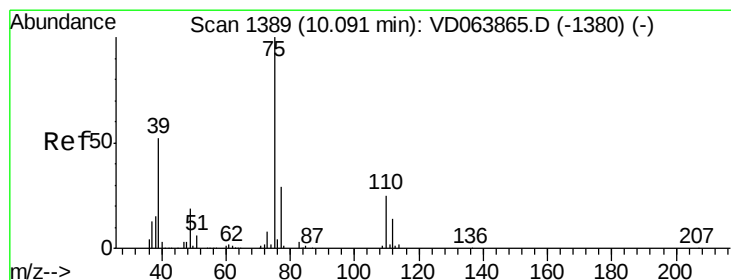
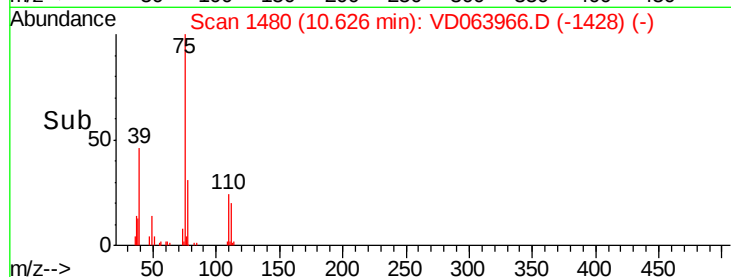
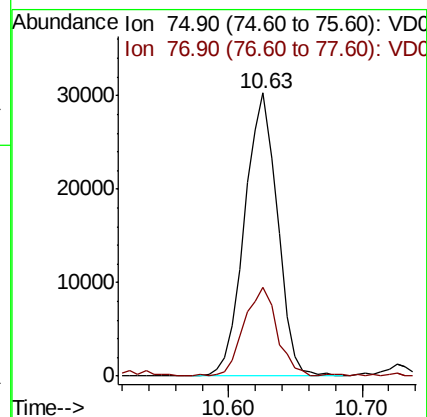
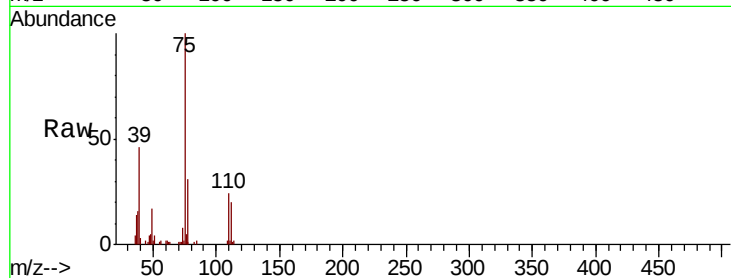
VD1015SBS01

Tot Ion: 75 Resp: 51456

Ion Ratio Lower Upper

75 100

77 31.3 22.8 34.2



#54

cis-1,3-Dichloropropene

Concen: 18.755 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

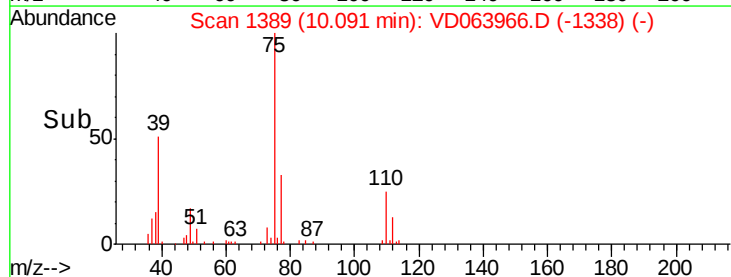
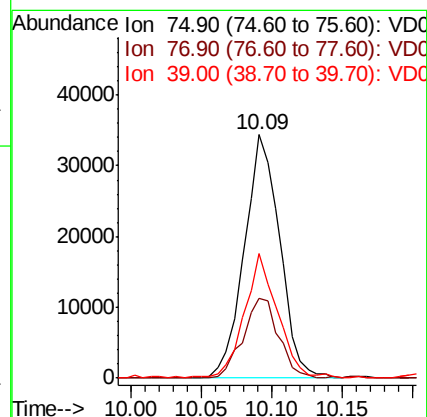
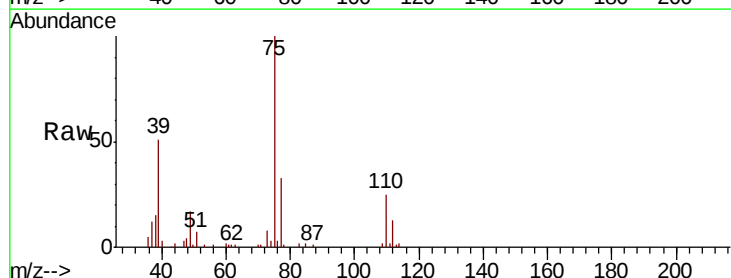
Tgt Ion: 75 Resp: 60482

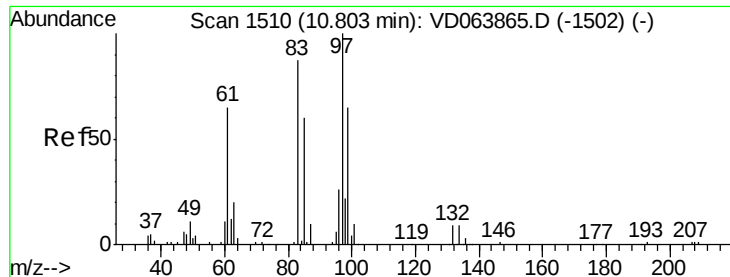
Ion Ratio Lower Upper

75 100

77 33.0 23.2 34.8

39 51.1 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 19.516 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBSD01

Tot Ion: 97 Resp: 30727

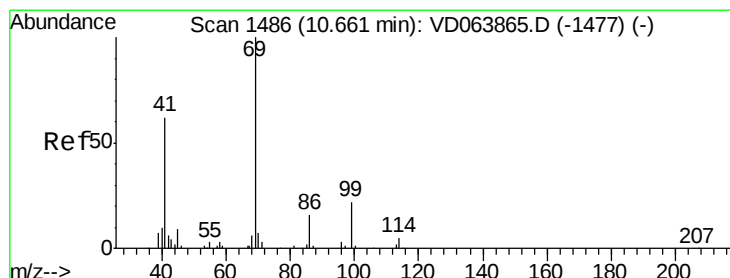
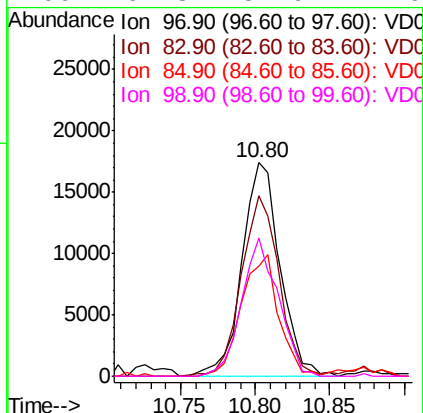
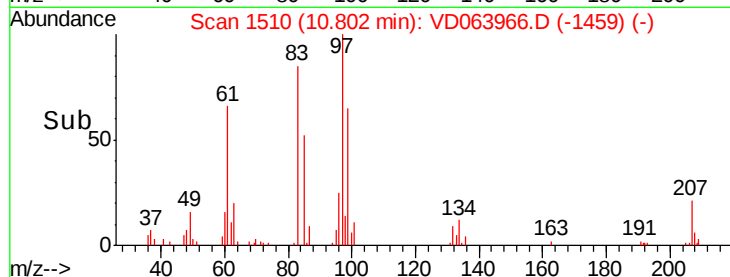
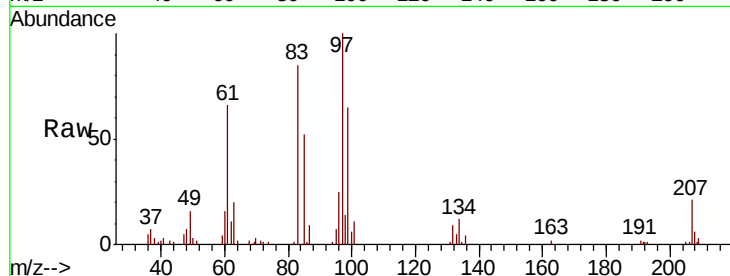
Ion	Ratio	Lower	Upper
97	100		
83	83.9	69.7	104.5
85	51.7	48.1	72.1
99	64.8	51.9	77.9

97 100

83 83.9 69.7 104.5

85 51.7 48.1 72.1

99 64.8 51.9 77.9



#56

Ethyl methacrylate

Concen: 18.016 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

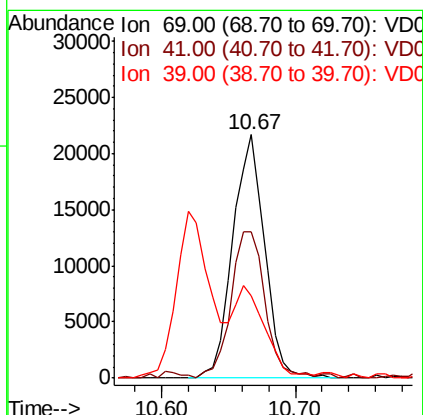
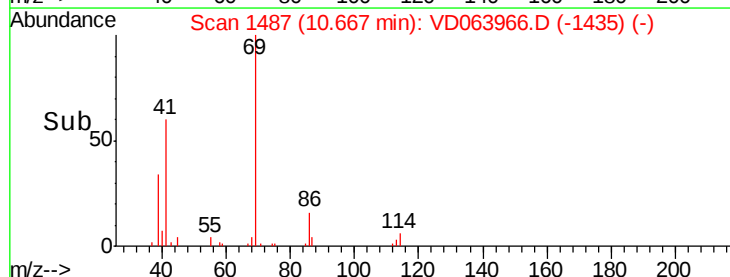
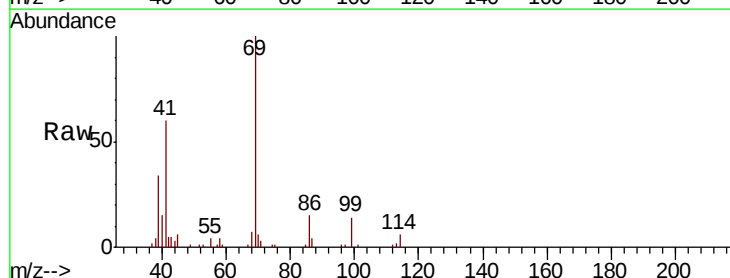
Tgt Ion: 69 Resp: 35921

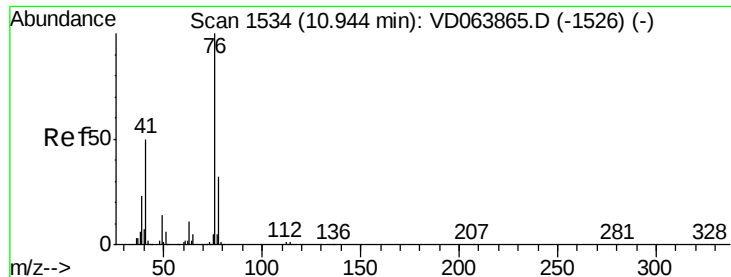
Ion	Ratio	Lower	Upper
69	100		
41	65.4	51.3	76.9
39	35.8	28.0	42.0

69 100

41 65.4 51.3 76.9

39 35.8 28.0 42.0





#57

1,3-Dichloropropane

Concen: 19.206 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

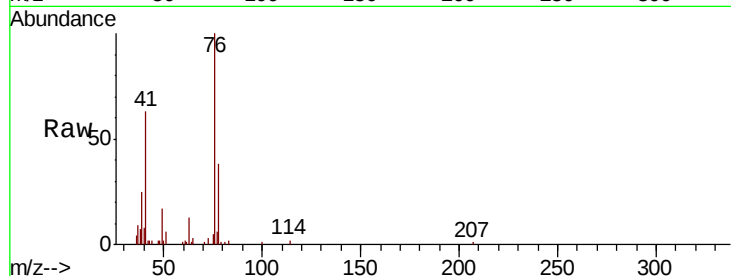
VD1015SBS01

Tot Ion: 76 Resp: 51739

Ion Ratio Lower Upper

76 100

78 32.9 26.6 40.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

30000

25000

20000

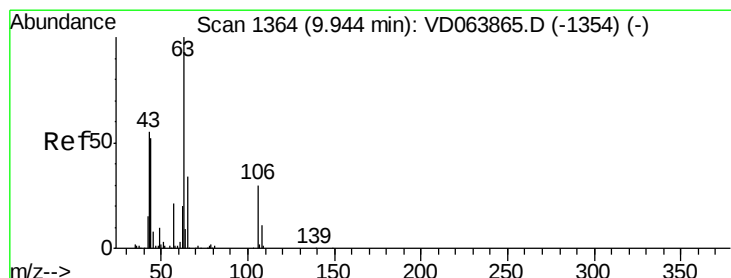
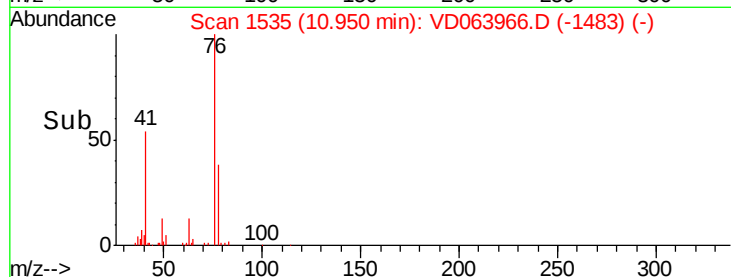
15000

10000

5000

0

Time--> 10.85 10.90 10.95 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 93.610 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD063966.D

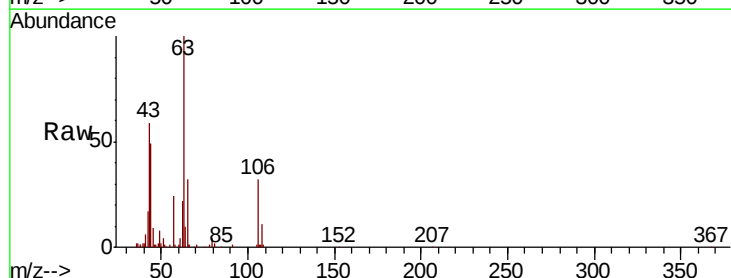
Acq: 15 Oct 2019 12:30

Tgt Ion: 63 Resp: 80226

Ion Ratio Lower Upper

63 100

106 30.4 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.94

50000

40000

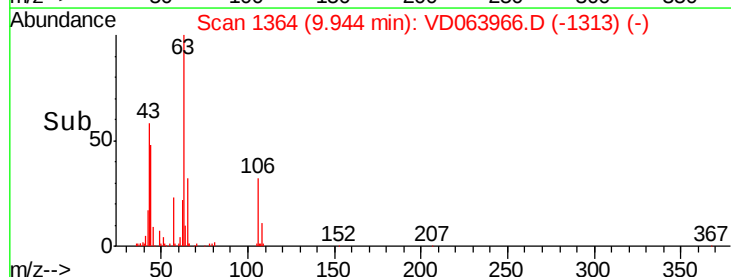
30000

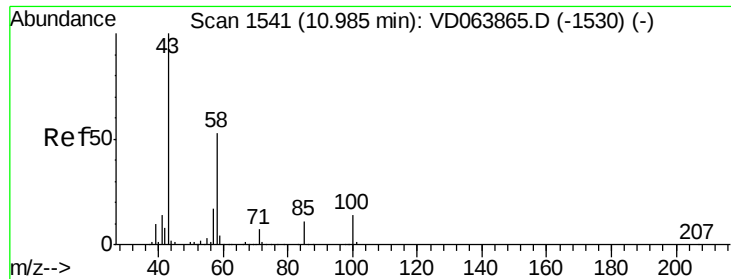
20000

10000

0

Time--> 9.85 9.90 9.95 10.00

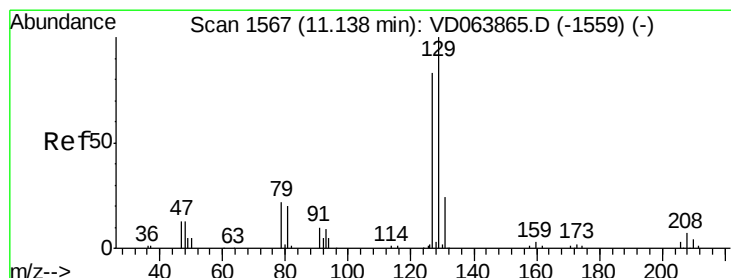
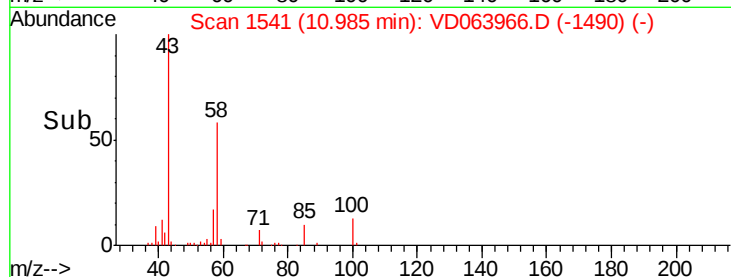
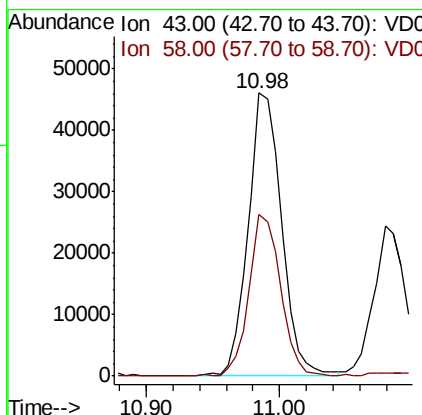
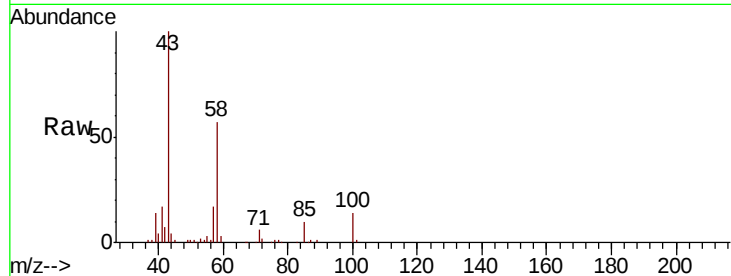




#59
2-Hexanone
Concen: 90.666 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

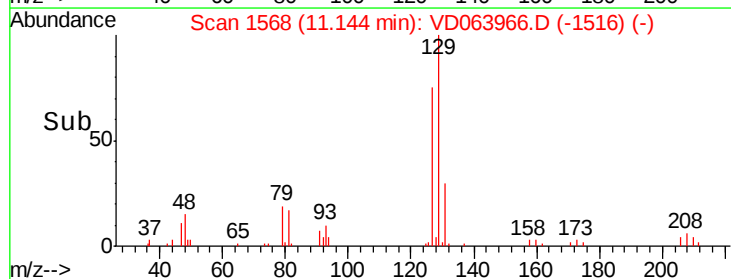
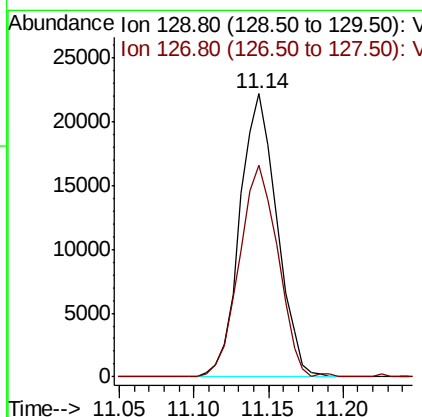
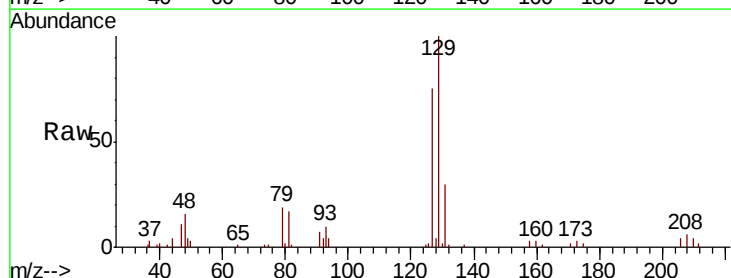
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

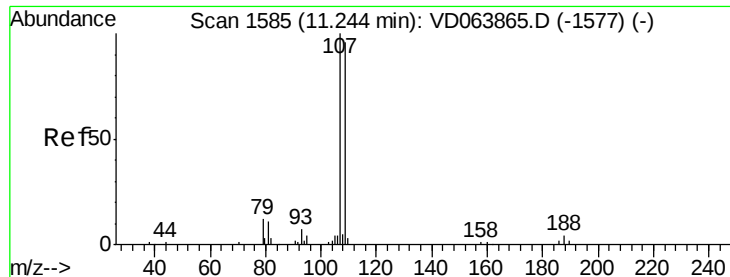
Tot Ion: 43 Resp: 79626
Ion Ratio Lower Upper
43 100
58 54.4 27.7 83.0



#60
Dibromochloromethane
Concen: 18.641 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion: 129 Resp: 38211
Ion Ratio Lower Upper
129 100
127 77.9 39.9 119.6

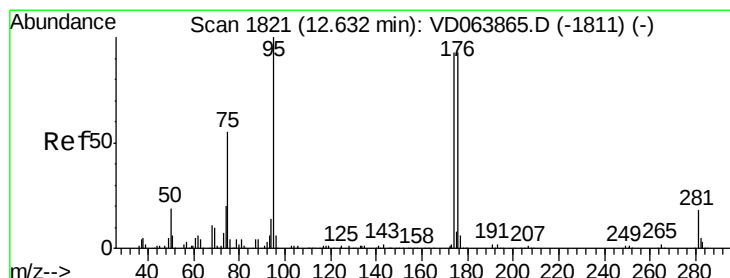
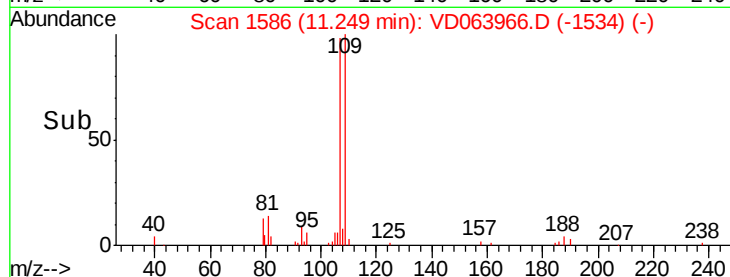
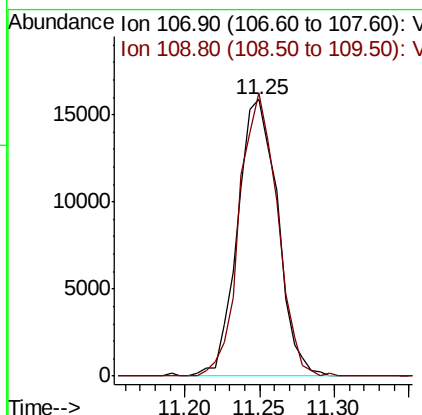
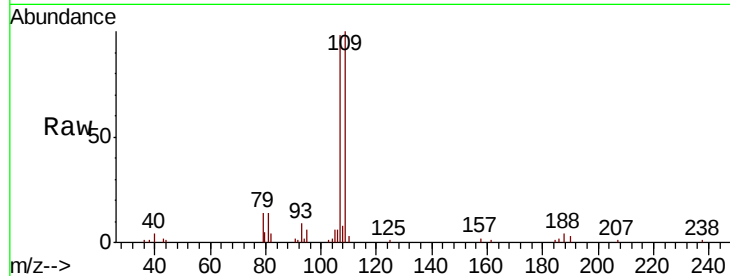




#61
 1,2-Dibromoethane
 Concen: 19.394 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

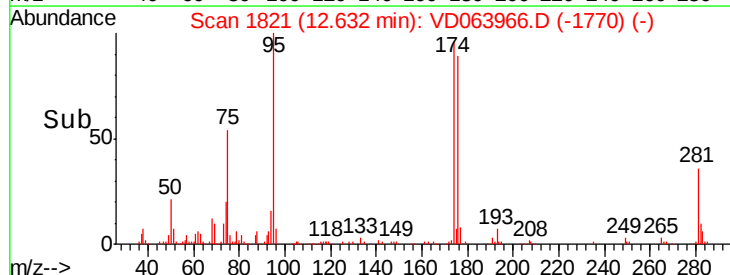
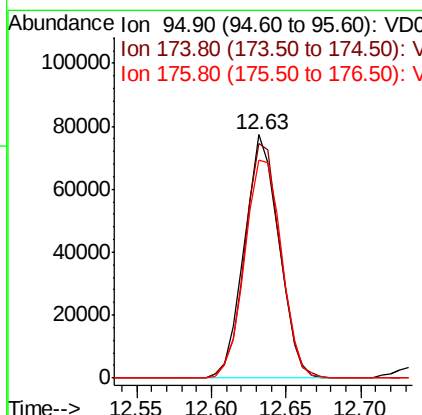
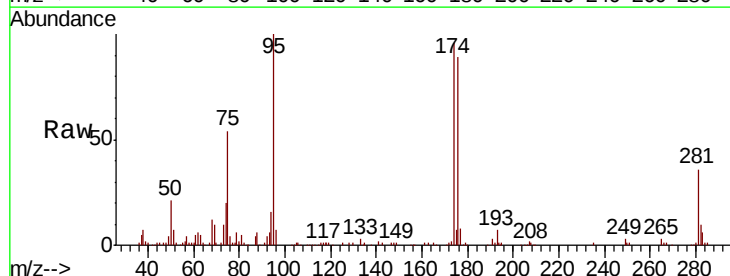
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBSD01

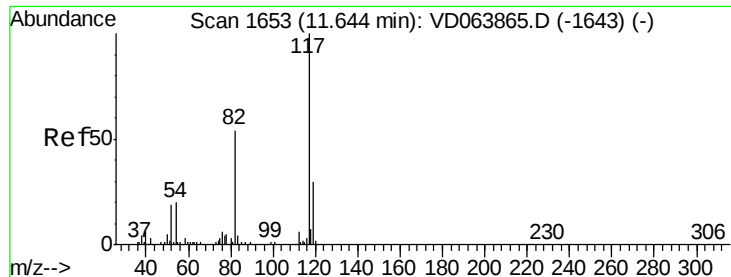
Tot Ion:107 Resp: 29602
 Ion Ratio Lower Upper
 107 100
 109 96.8 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 47.083 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

Tgt Ion: 95 Resp: 123903
 Ion Ratio Lower Upper
 95 100
 174 98.4 0.0 186.4
 176 95.4 0.0 184.2

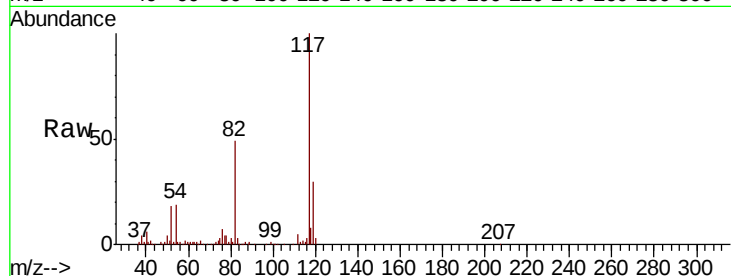




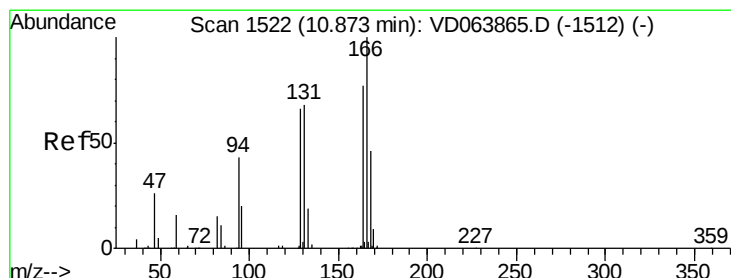
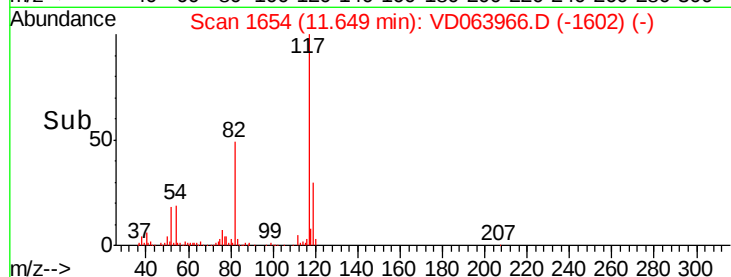
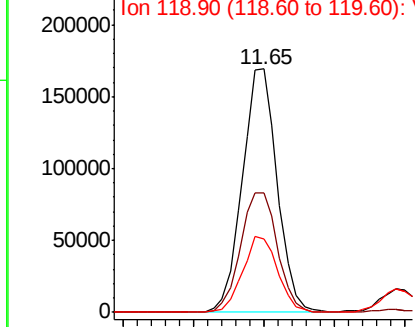
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.1	42.8	64.2
119	30.2	24.4	36.6

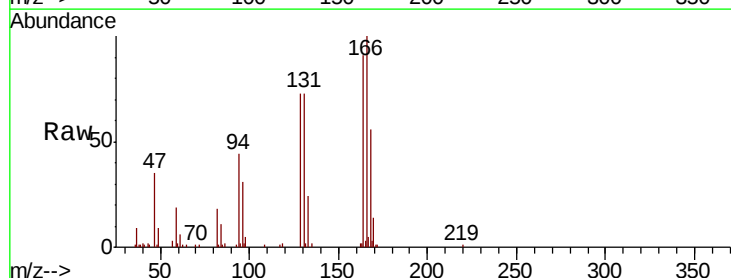


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

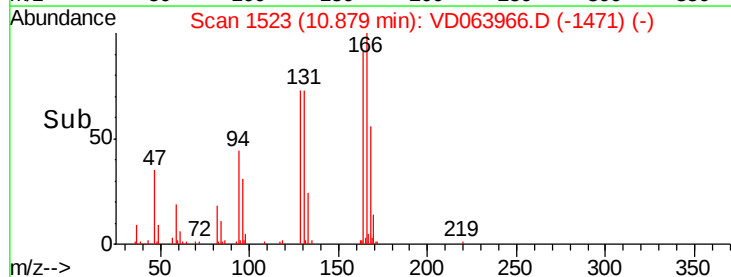
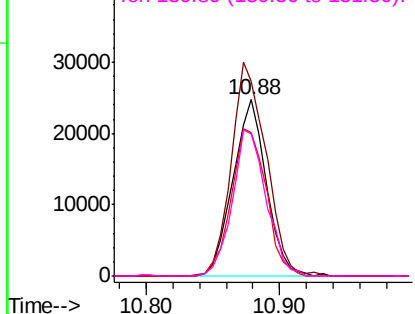


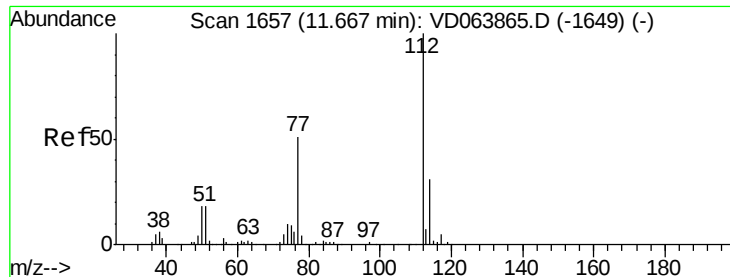
#64
Tetrachloroethene
Concen: 21.492 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	110.4	103.8	155.6
129	81.0	68.9	103.3
131	80.5	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

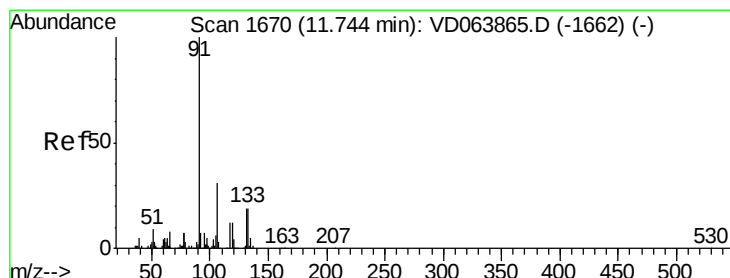
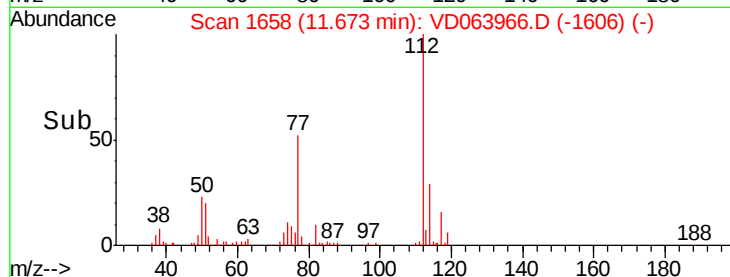
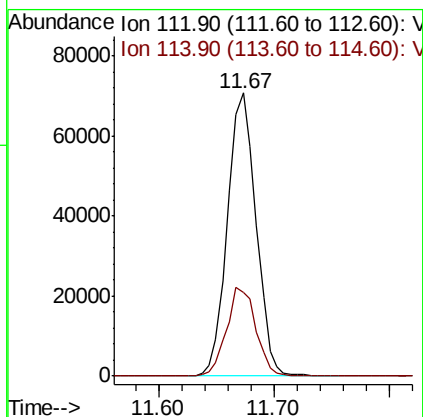
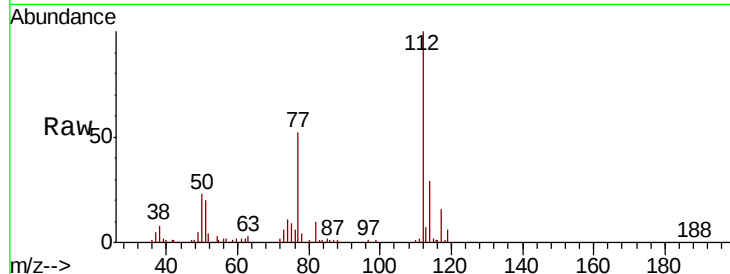




#65
Chlorobenzene
Concen: 20.751 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

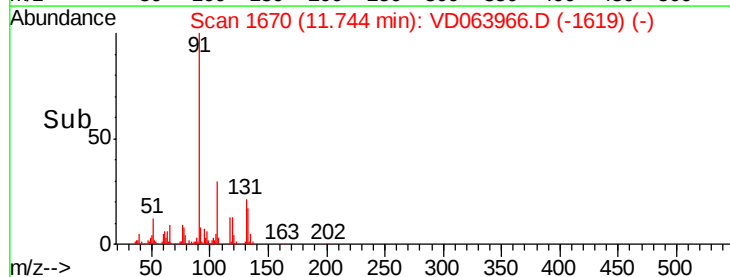
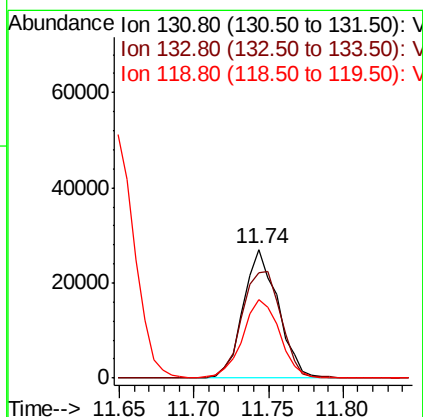
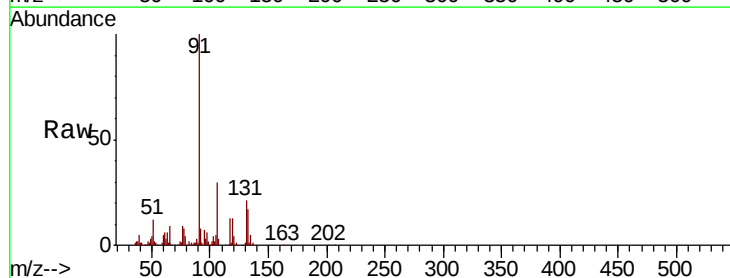
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion:112 Resp: 121963
Ion Ratio Lower Upper
112 100
114 29.4 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.192 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion:131 Resp: 43731
Ion Ratio Lower Upper
131 100
133 93.8 48.9 146.7
119 64.8 32.6 97.8





#67

Ethyl Benzene

Concen: 20.600 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

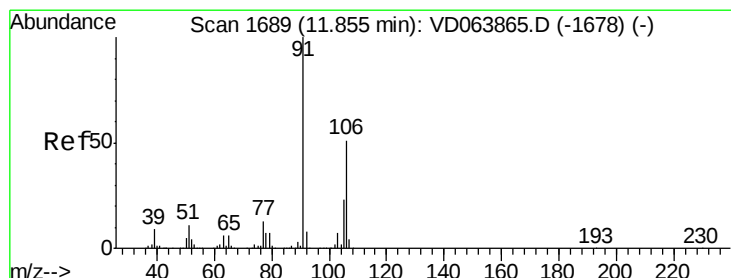
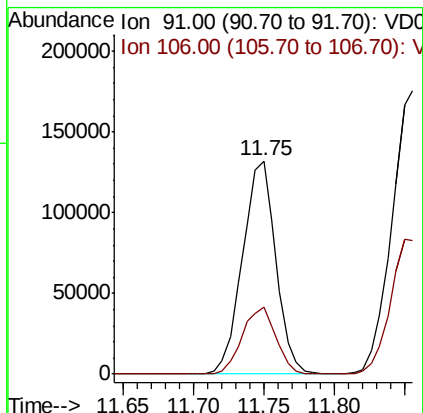
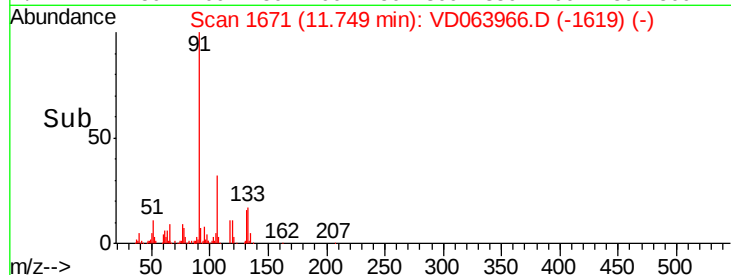
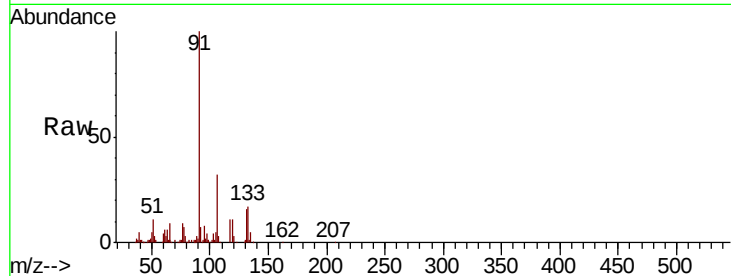
VD1015SBS01

Tot Ion: 91 Resp: 218323

Ion Ratio Lower Upper

91 100

106 31.5 24.6 37.0



#68

m/p-Xylenes

Concen: 41.619 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VD063966.D

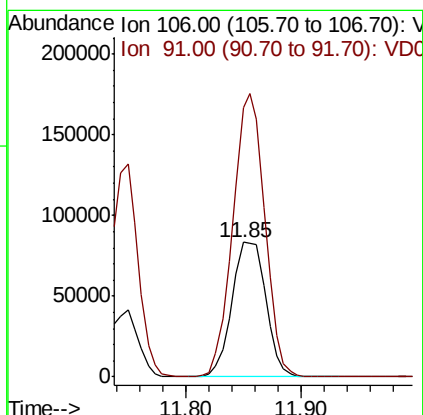
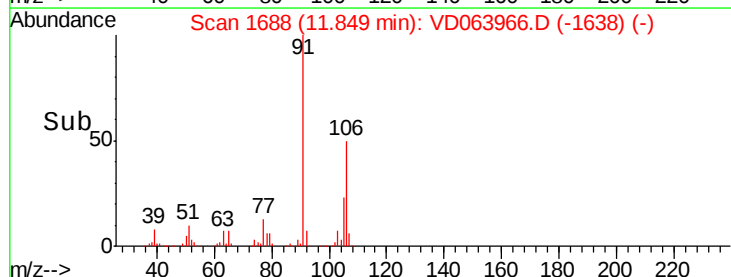
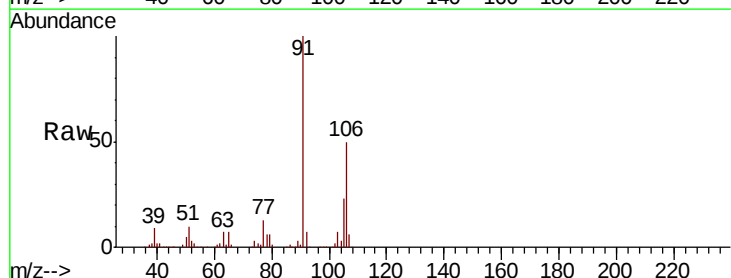
Acq: 15 Oct 2019 12:30

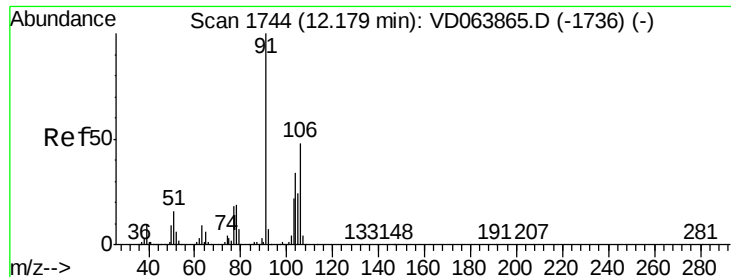
Tgt Ion: 106 Resp: 170253

Ion Ratio Lower Upper

106 100

91 197.5 154.8 232.2

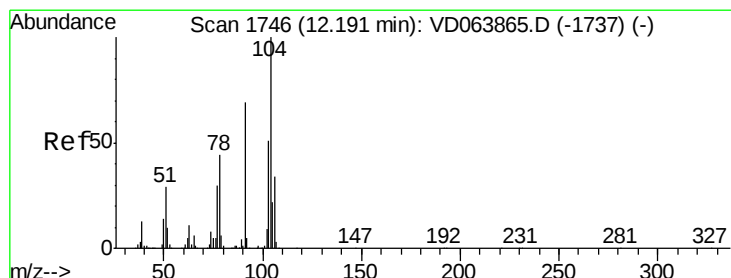
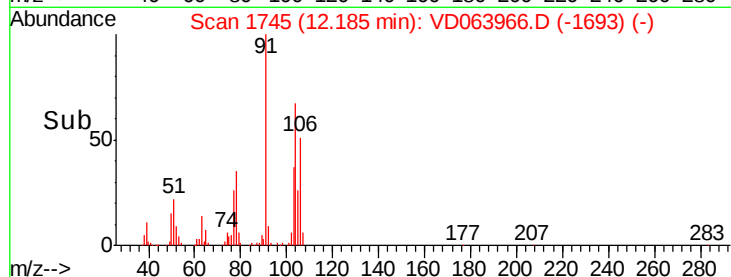
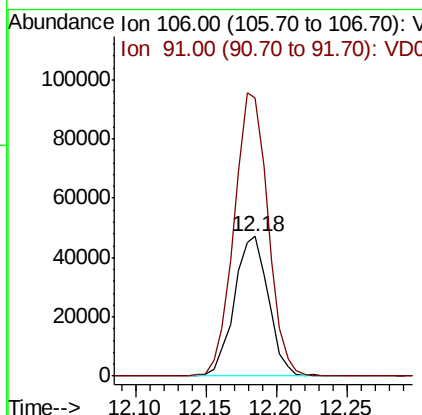
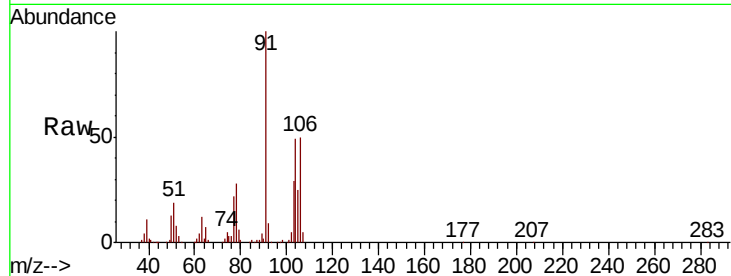




#69
o-Xylene
Concen: 20.290 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

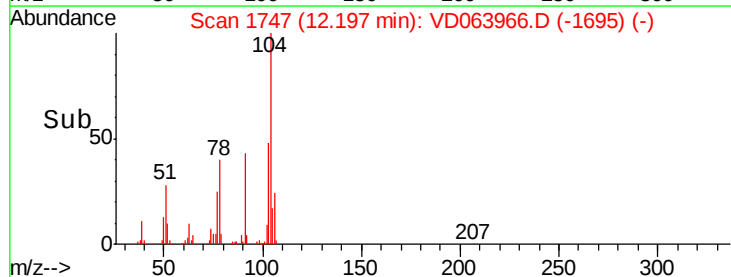
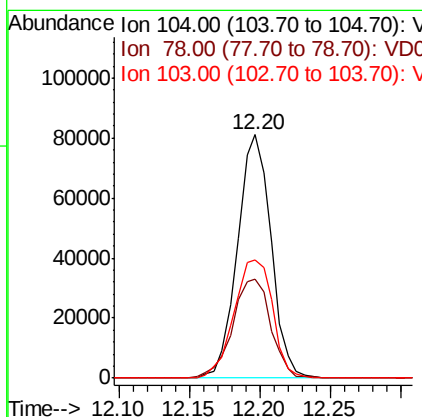
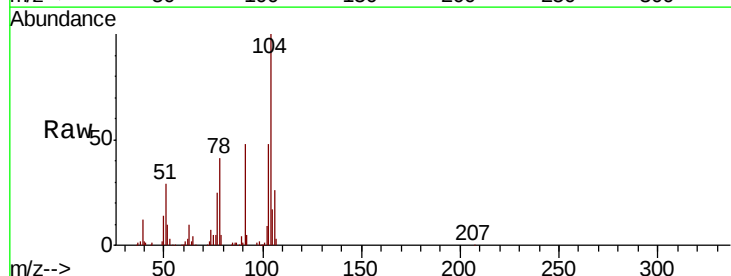
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBSD01

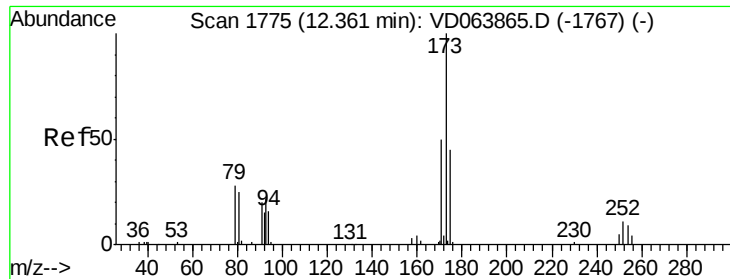
Tot Ion:106 Resp: 79478
Ion Ratio Lower Upper
106 100
91 202.0 103.9 311.7



#70
Styrene
Concen: 20.355 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion:104 Resp: 134974
Ion Ratio Lower Upper
104 100
78 46.4 37.0 55.4
103 55.9 44.2 66.4





#71

Bromoform

Concen: 20.832 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

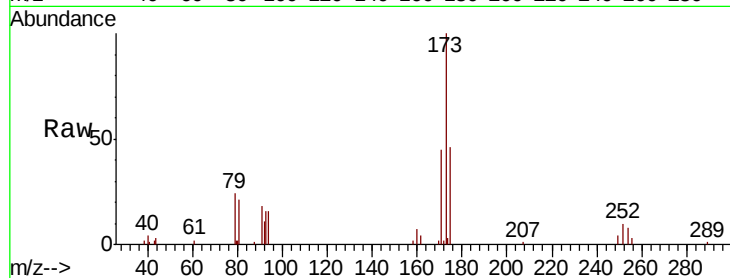
Tot Ion:173 Resp: 24213

Ion Ratio Lower Upper

173 100

175 47.9 24.6 74.0

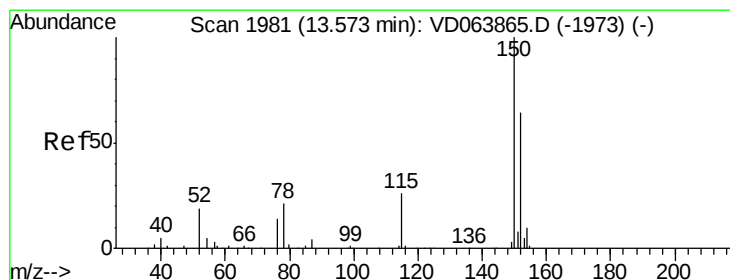
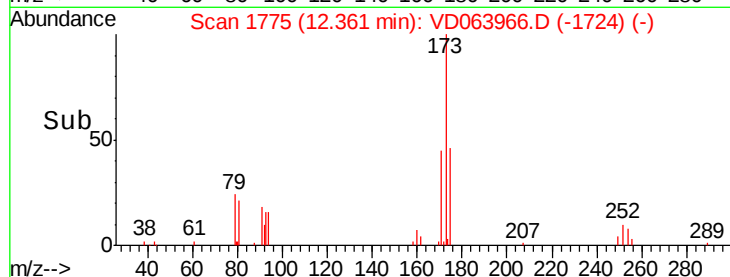
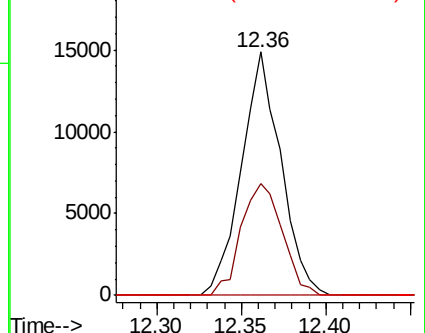
254 0.0 0.0 0.0



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: VD063966.D

Acq: 15 Oct 2019 12:30

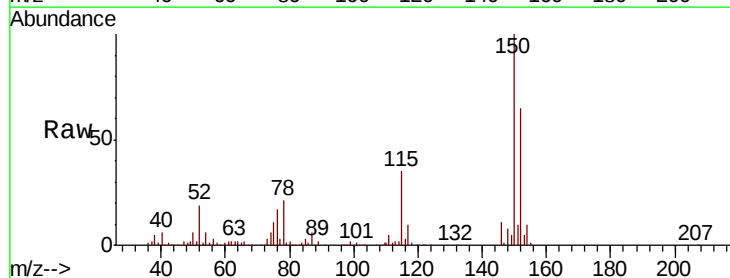
Tgt Ion:152 Resp: 151496

Ion Ratio Lower Upper

152 100

115 55.7 25.9 77.7

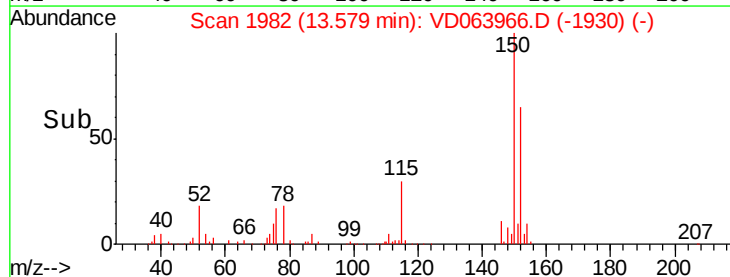
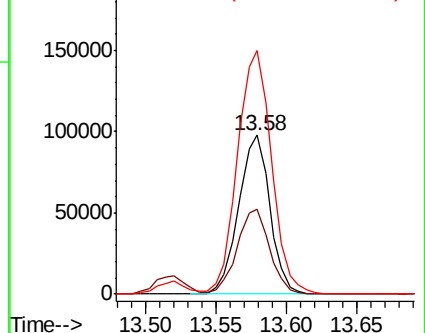
150 167.2 0.0 344.2

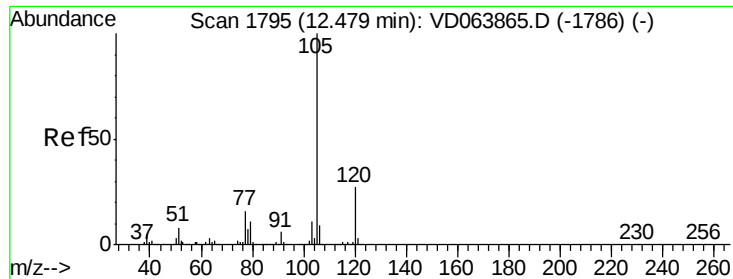


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.513 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

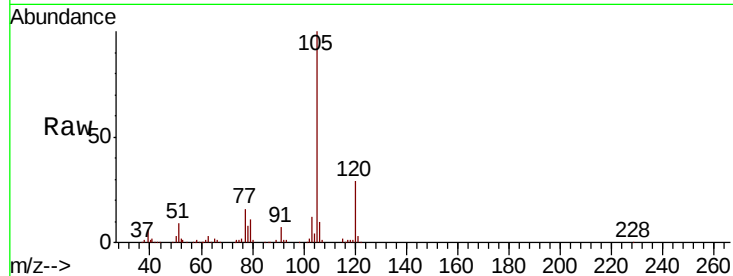
VD1015SBS01

Tot Ion:105 Resp: 219096

Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

120000

100000

50000

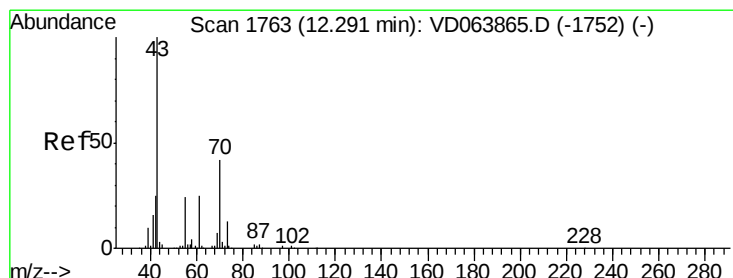
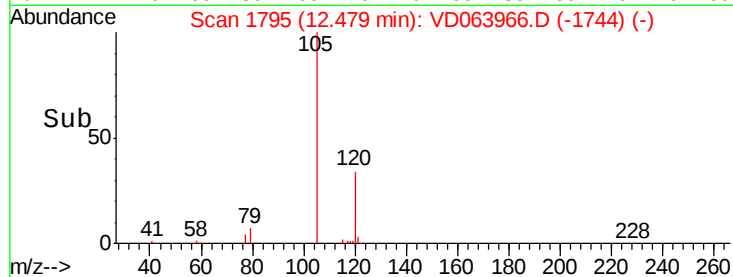
0

12.40

12.48

12.50

Time-->



#74

N-ethyl acetate

Concen: 18.118 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Tgt Ion: 43 Resp: 39728

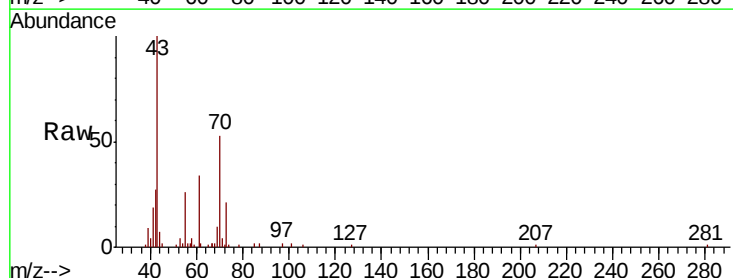
Ion Ratio Lower Upper

43 100

70 47.6 35.8 53.6

55 26.2 19.4 29.0

61 27.5 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

30000

20000

10000

0

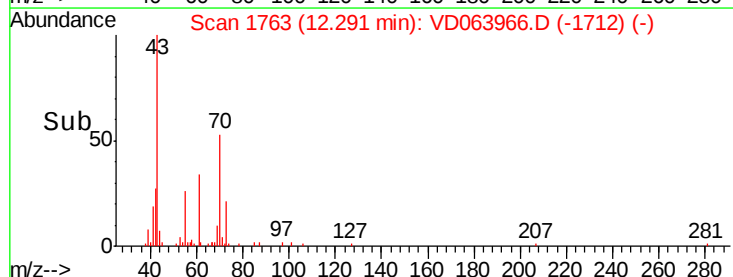
12.20

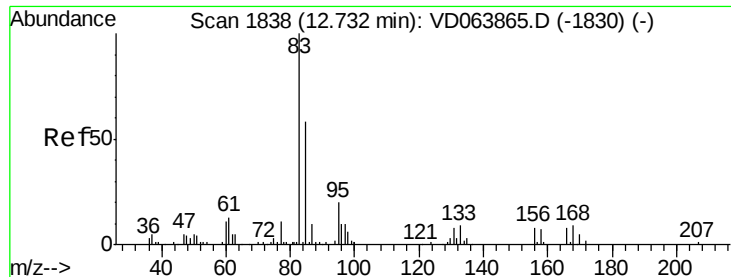
12.25

12.29

12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.390 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBSD01

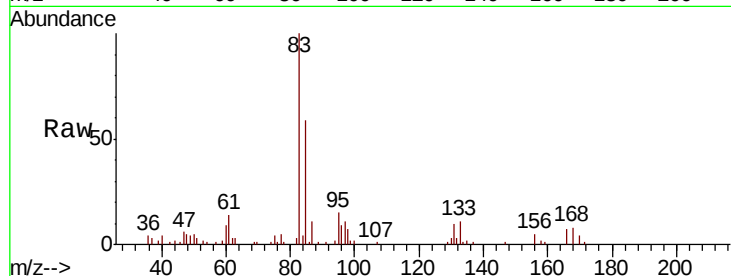
Tot Ion: 83 Resp: 36136

Ion Ratio Lower Upper

83 100

131 11.1 5.6 16.8

85 67.0 32.3 96.8



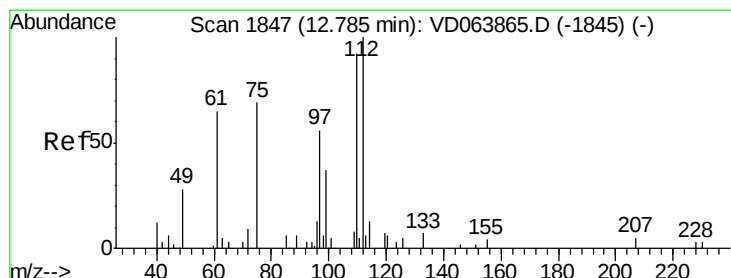
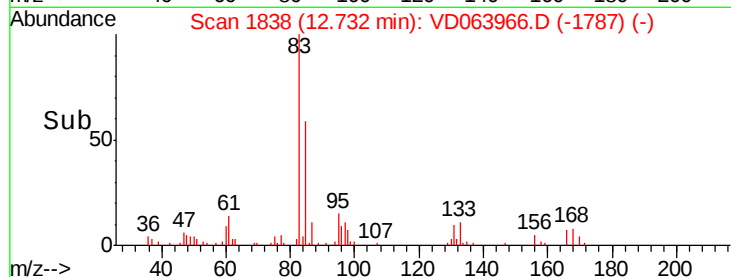
Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC

12.73

Time--> 12.65 12.70 12.75



#76

1,2,3-Trichloropropane

Concen: 45.653 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD063966.D

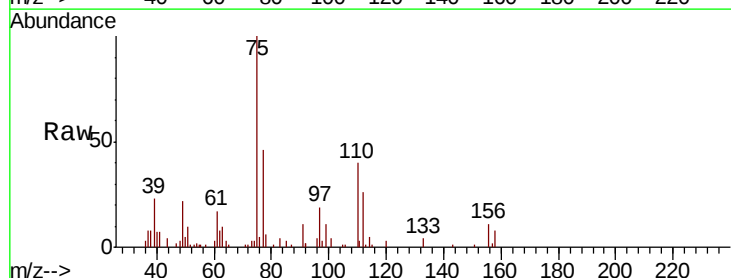
Acq: 15 Oct 2019 12:30

Tgt Ion: 75 Resp: 46323

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

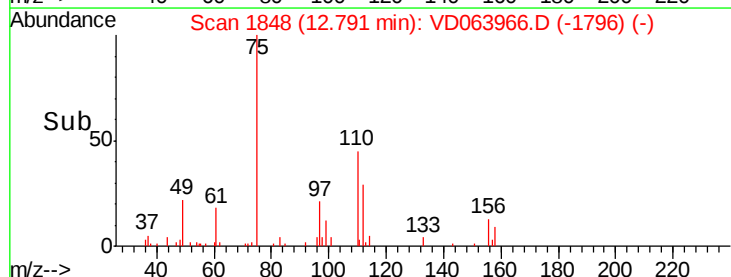


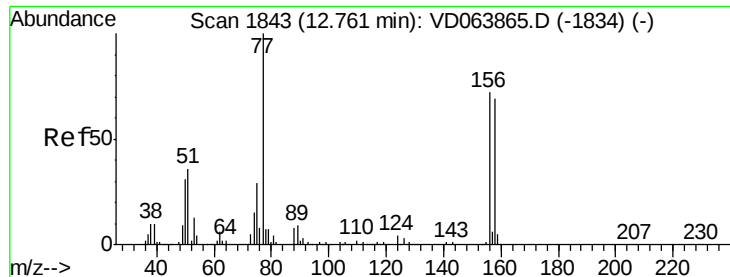
Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.79

Time--> 12.70 12.80





#77

Bromobenzene

Concen: 21.325 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

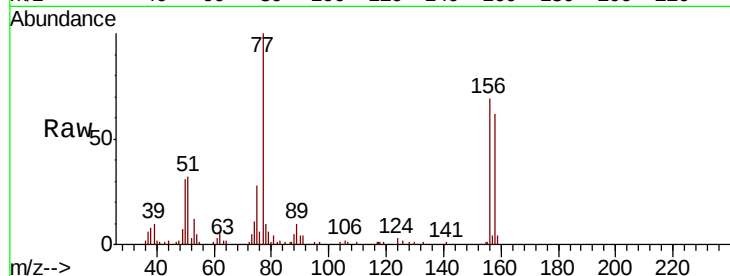
Tot Ion:156 Resp: 54108

Ion Ratio Lower Upper

156 100

77 157.7 80.3 241.0

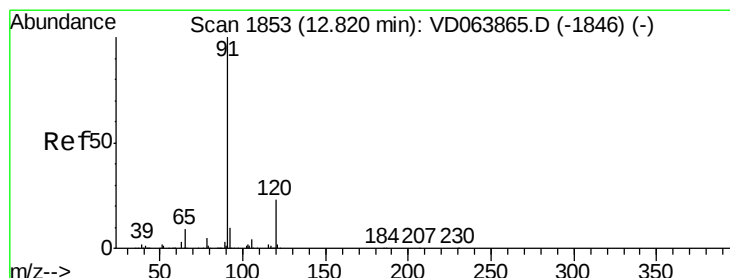
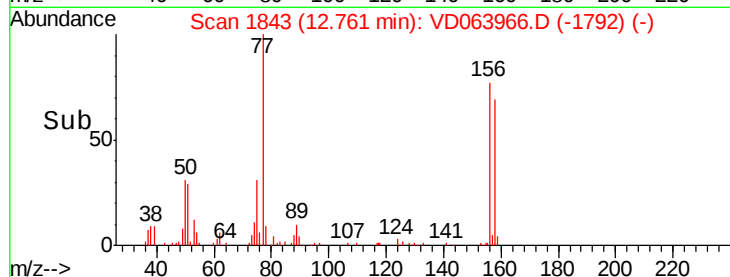
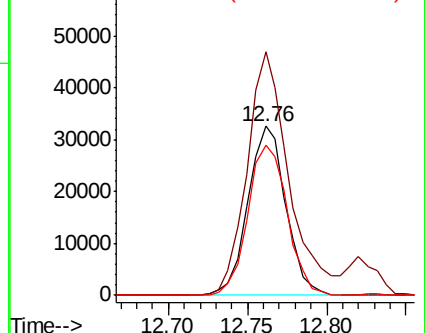
158 92.5 47.4 142.2



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: 21.779 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063966.D

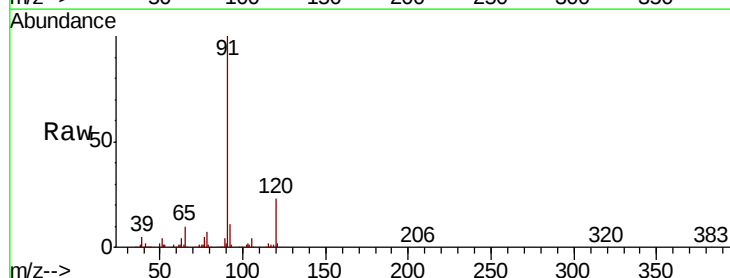
Acq: 15 Oct 2019 12:30

Tgt Ion: 91 Resp: 260346

Ion Ratio Lower Upper

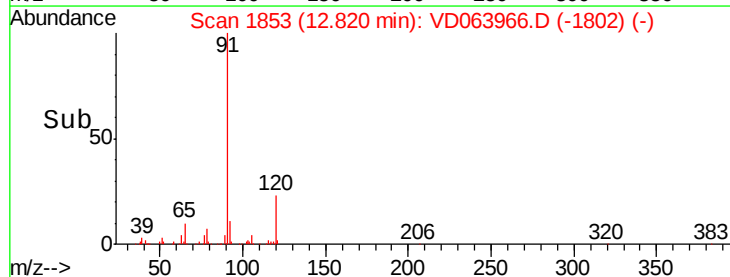
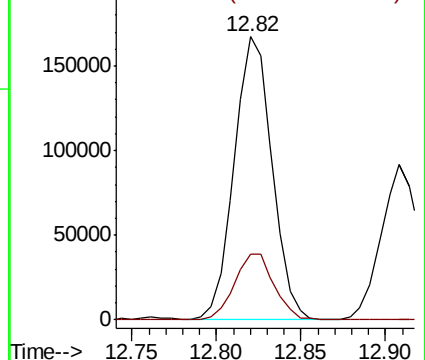
91 100

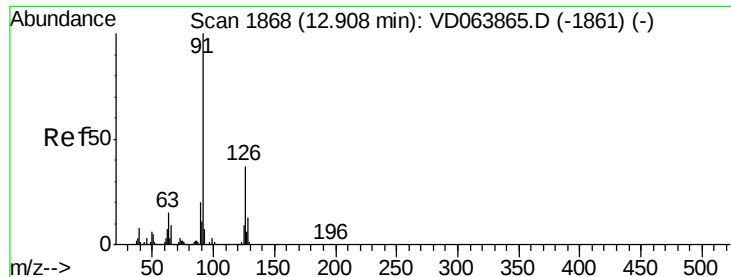
120 24.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.963 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

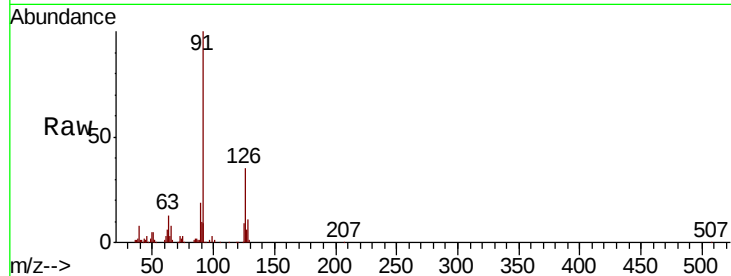
VD1015SBS01

Tot Ion: 91 Resp: 144767

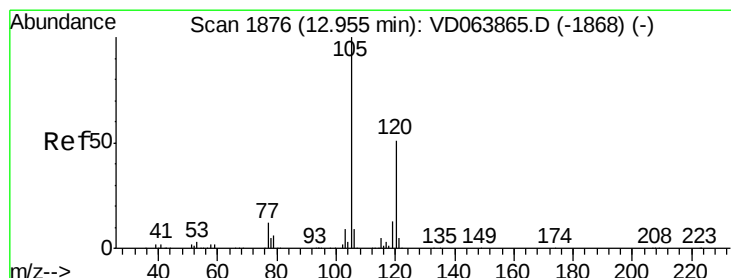
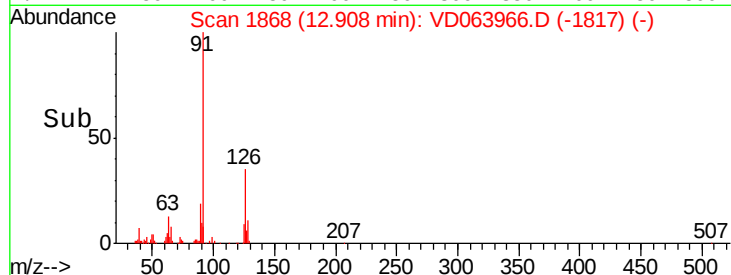
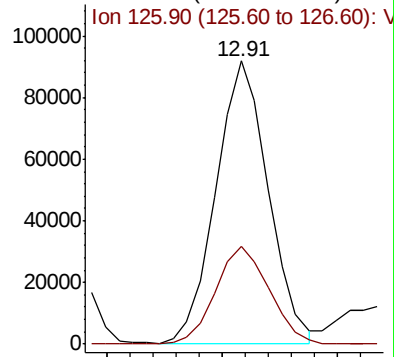
Ion Ratio Lower Upper

91 100

126 35.4 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 21.490 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063966.D

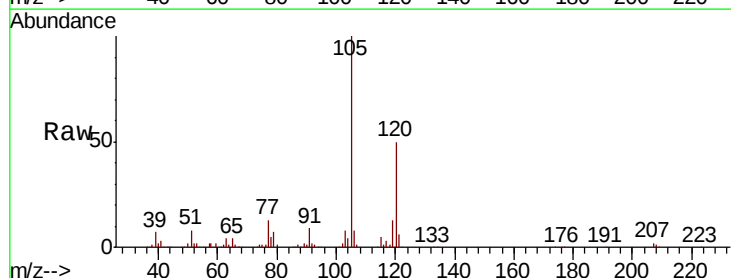
Acq: 15 Oct 2019 12:30

Tgt Ion:105 Resp: 182591

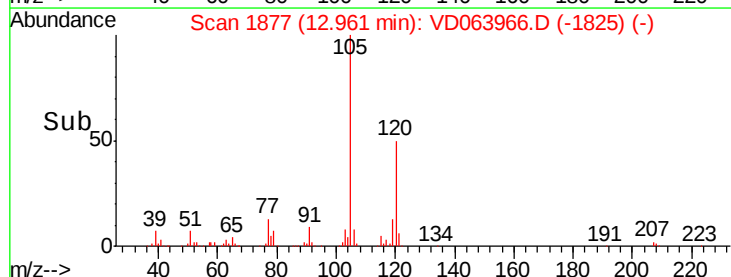
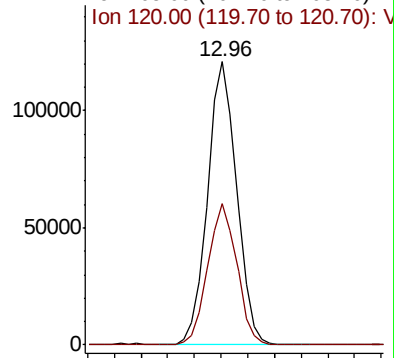
Ion Ratio Lower Upper

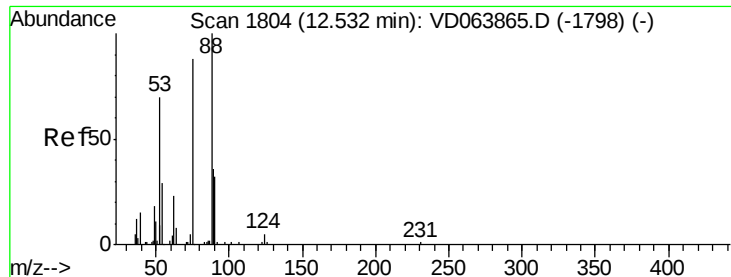
105 100

120 50.1 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.855 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

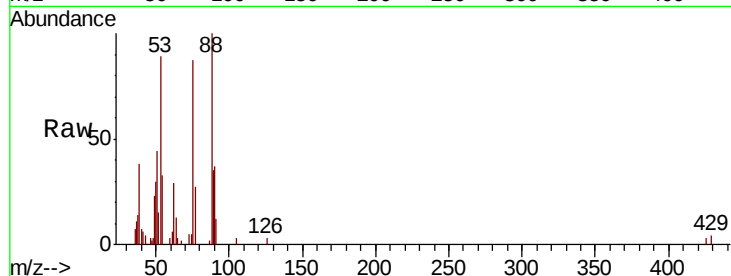
Tot Ion: 75 Resp: 10238

Ion Ratio Lower Upper

75 100

53 101.8 75.0 112.6

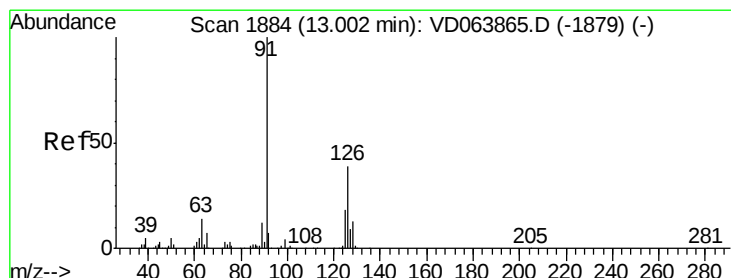
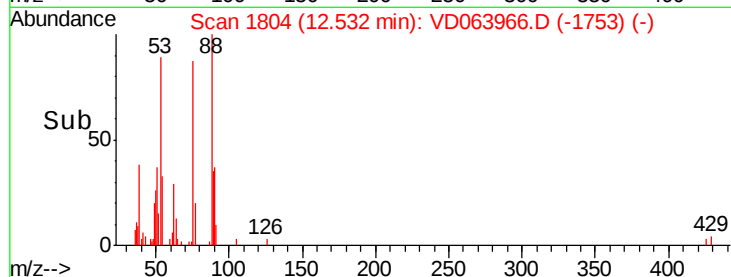
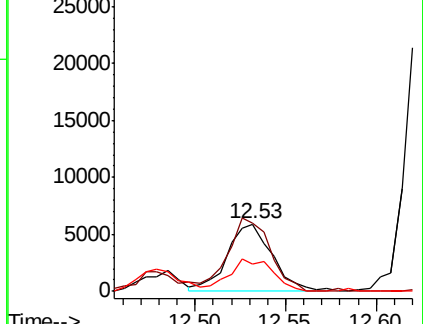
89 46.3 38.2 57.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.729 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD063966.D

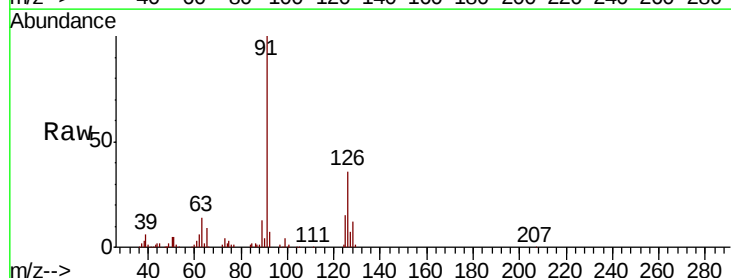
Acq: 15 Oct 2019 12:30

Tgt Ion: 91 Resp: 144948

Ion Ratio Lower Upper

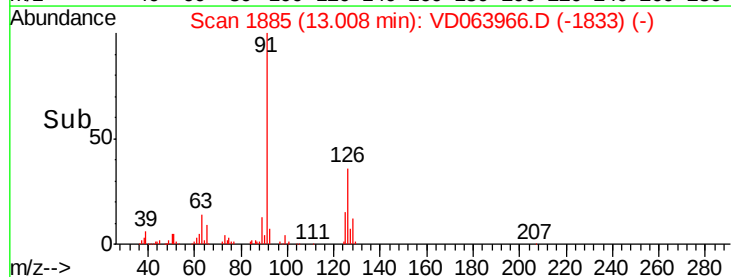
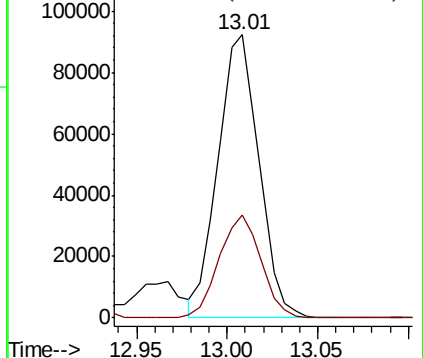
91 100

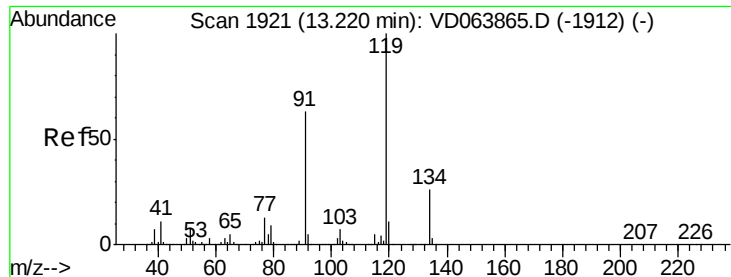
126 36.9 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

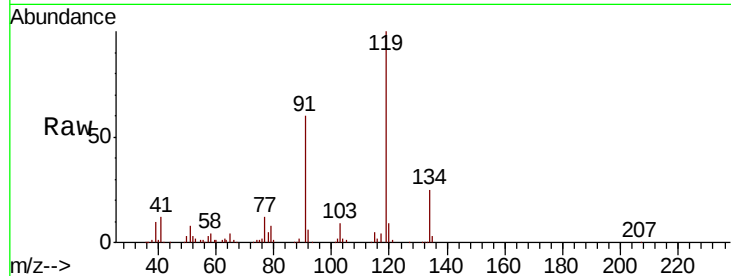




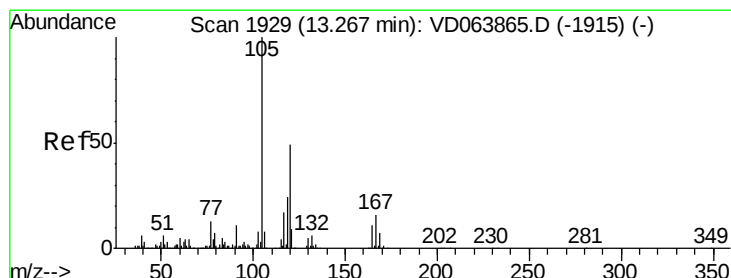
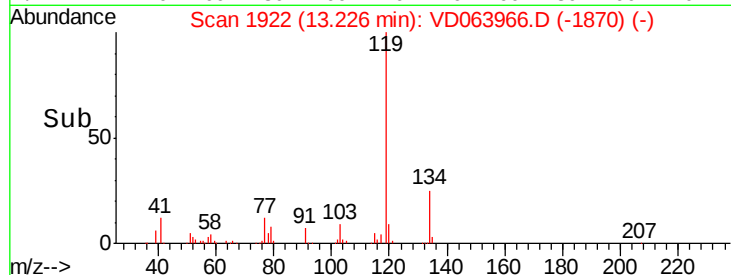
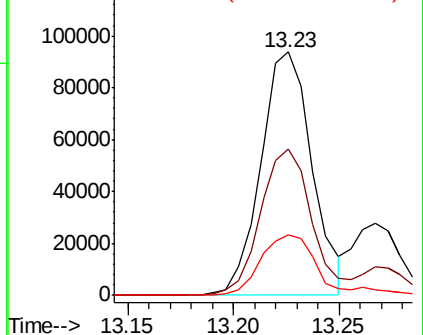
#83
tert-Butylbenzene
Concen: 20.945 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion:119 Resp: 158383
Ion Ratio Lower Upper
119 100
91 60.4 30.0 90.0
134 28.4 13.0 38.9

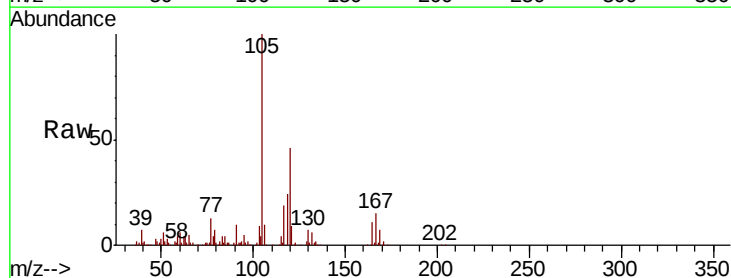


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

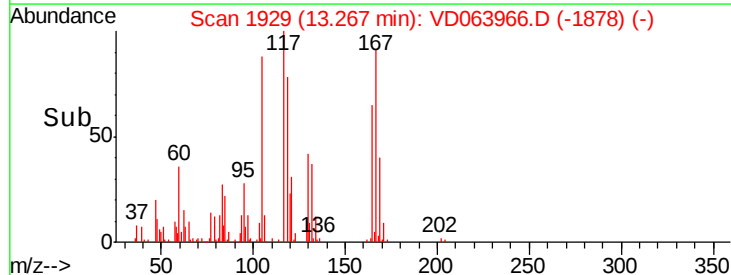
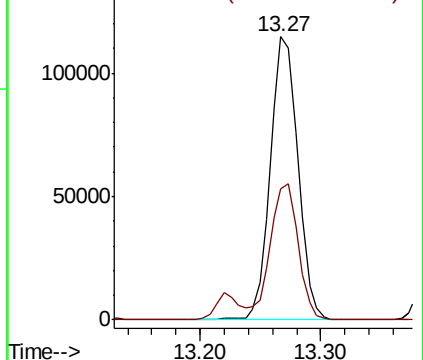


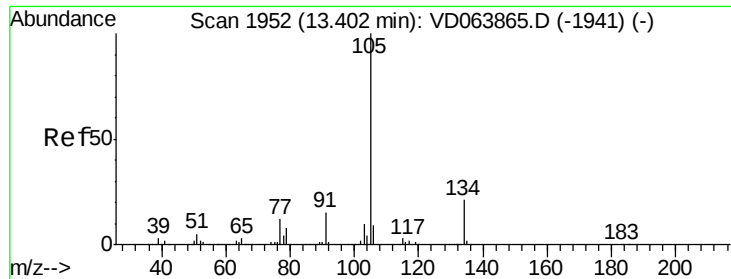
#84
1,2,4-Trimethylbenzene
Concen: 20.712 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion:105 Resp: 181421
Ion Ratio Lower Upper
105 100
120 48.6 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.194 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

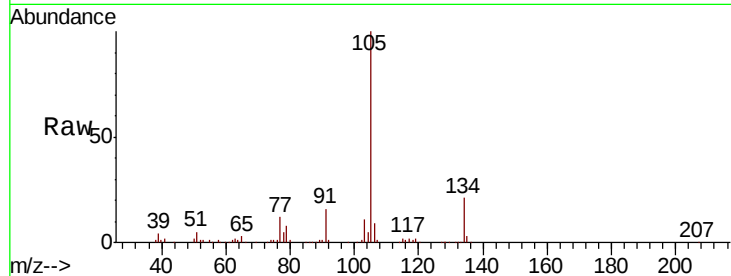
VD1015SBS01

Tot Ion:105 Resp: 226646

Ion Ratio Lower Upper

105 100

134 21.8 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

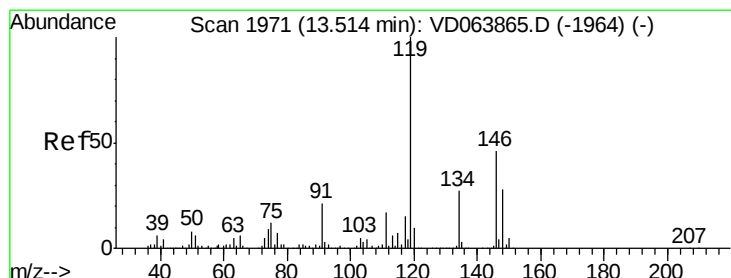
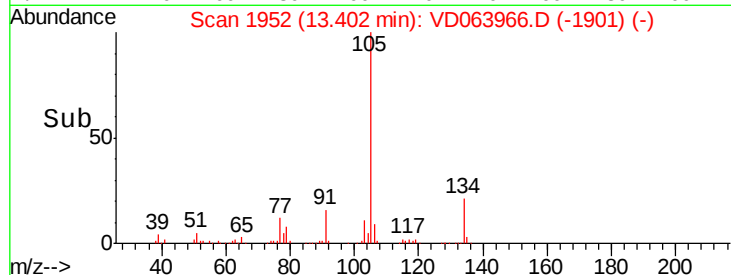
100000

50000

0

13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 21.610 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

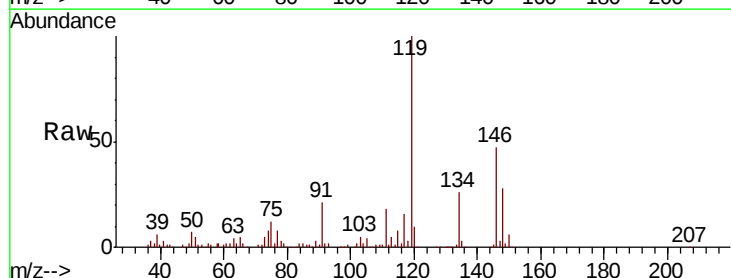
Tgt Ion:119 Resp: 208821

Ion Ratio Lower Upper

119 100

134 27.2 13.9 41.6

91 22.0 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

150000

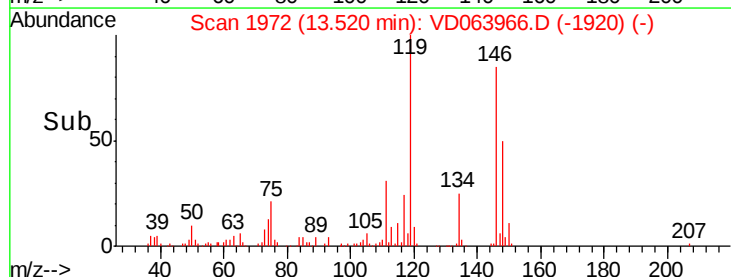
100000

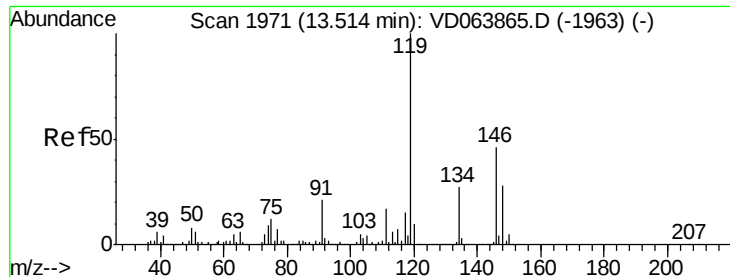
50000

0

13.45 13.50 13.55

Time-->

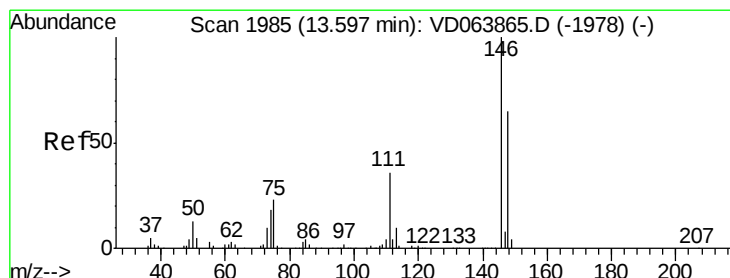
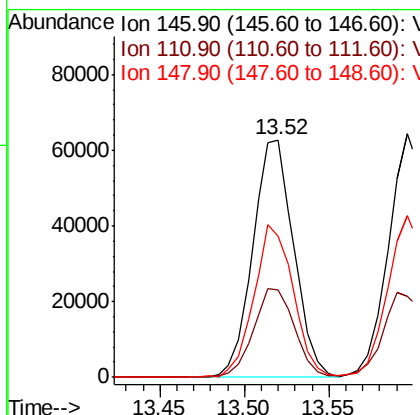
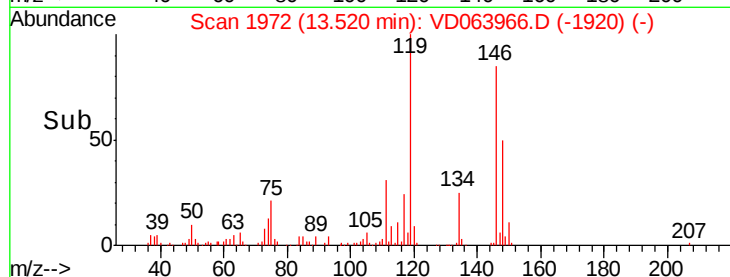
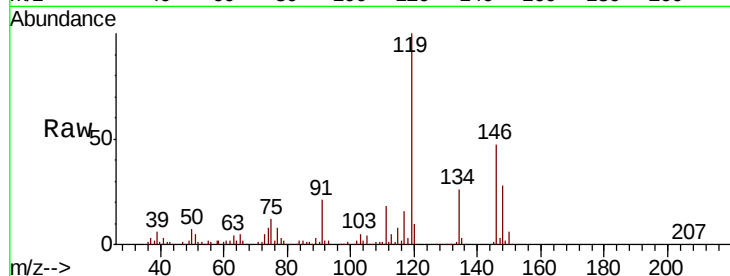




#87
 1,3-Dichlorobenzene
 Concen: 21.050 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

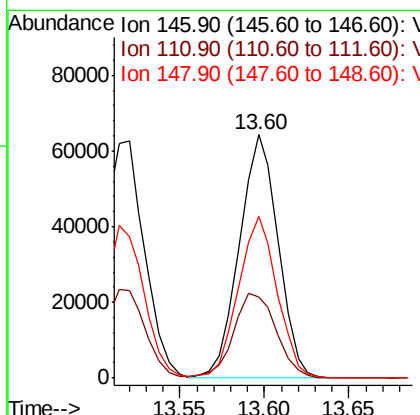
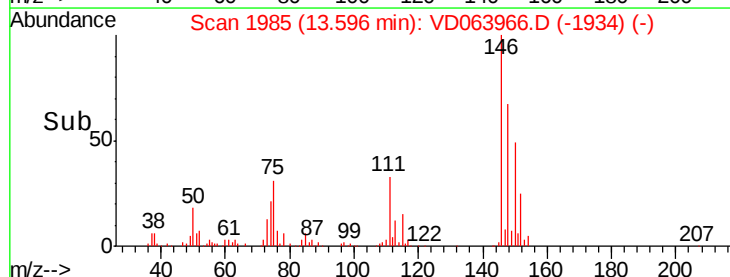
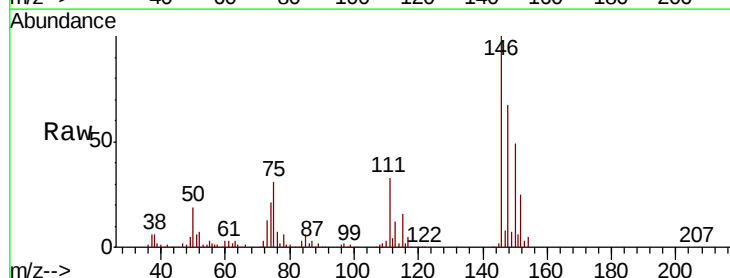
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

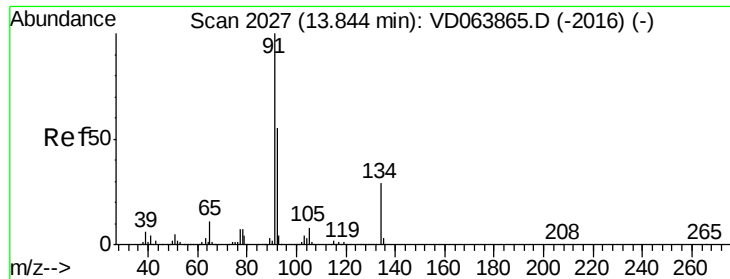
Tot Ion:146 Resp: 105537
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.3 54.9
 148 61.9 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.821 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

Tgt Ion:146 Resp: 102980
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.6 56.0
 148 66.6 32.6 98.0

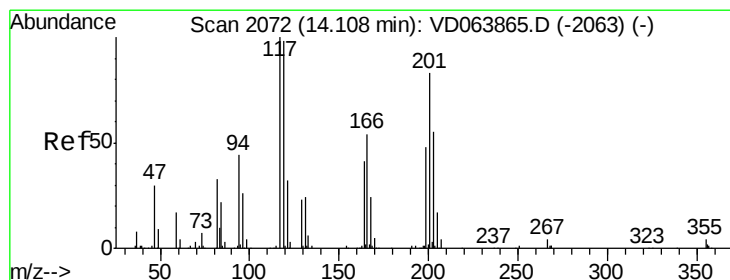
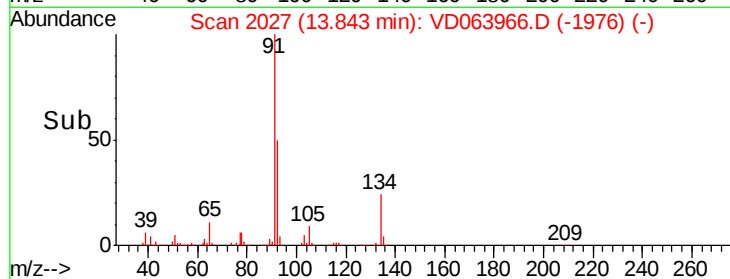
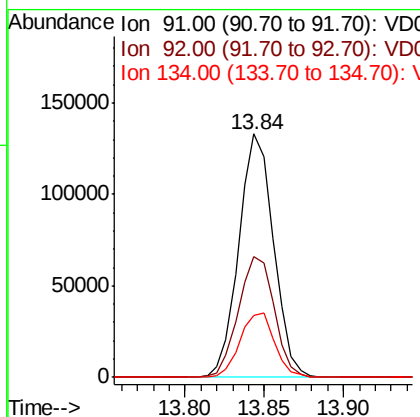
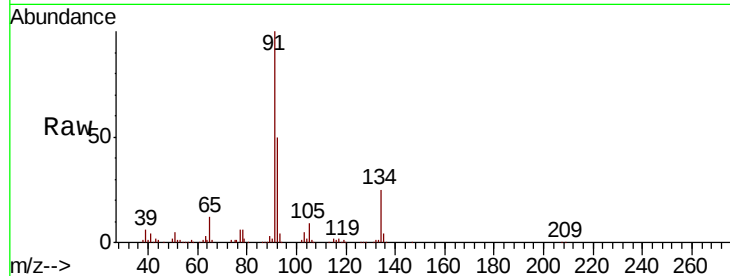




#89
n-Butylbenzene
Concen: 22.487 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

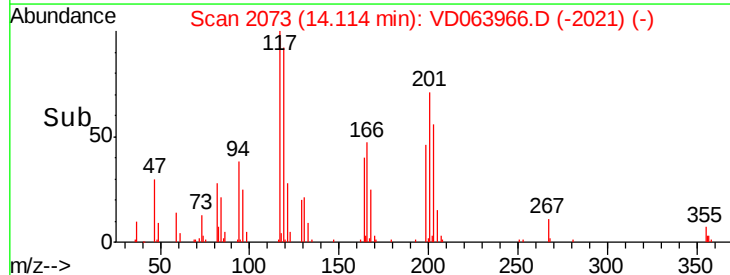
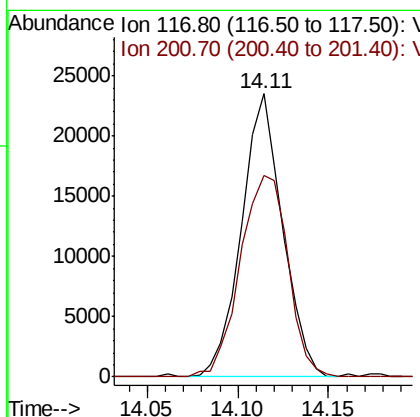
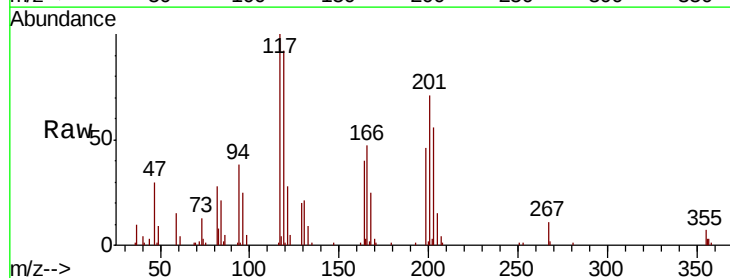
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

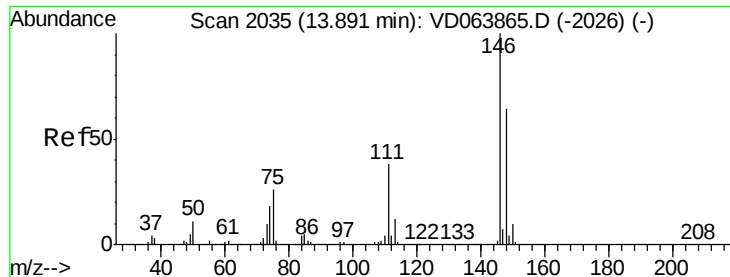
Tot Ion: 91 Resp: 202260
Ion Ratio Lower Upper
91 100
92 51.2 26.8 80.3
134 26.3 14.4 43.0



#90
Hexachloroethane
Concen: 21.296 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion: 117 Resp: 37011
Ion Ratio Lower Upper
117 100
201 82.8 40.6 121.7





#91

1,2-Dichlorobenzene

Concen: 21.636 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBSD01

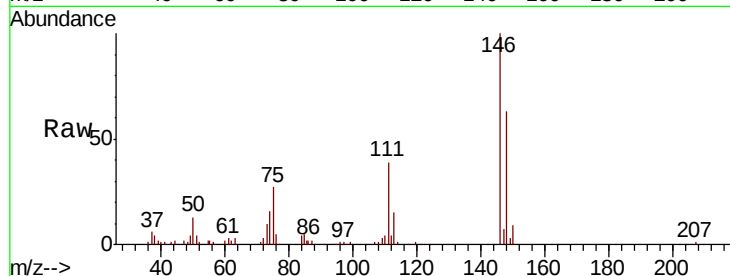
Tot Ion:146 Resp: 93478

Ion Ratio Lower Upper

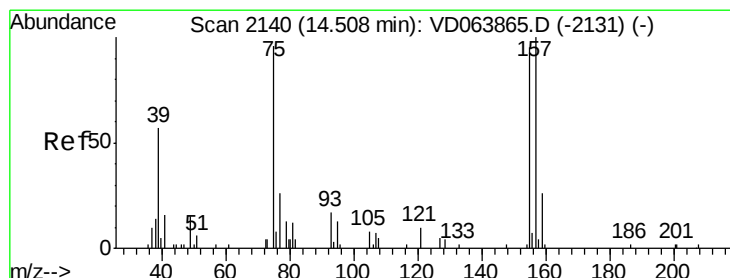
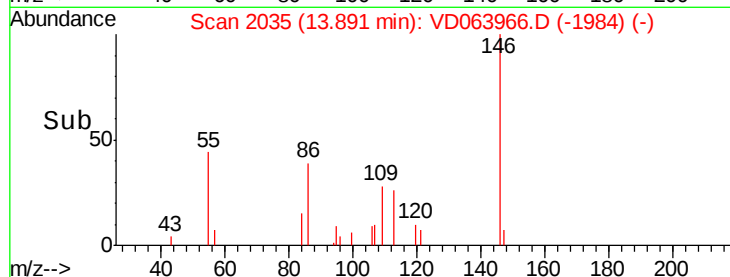
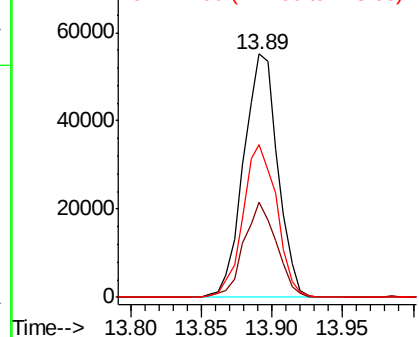
146 100

111 37.3 18.6 55.6

148 62.2 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.680 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

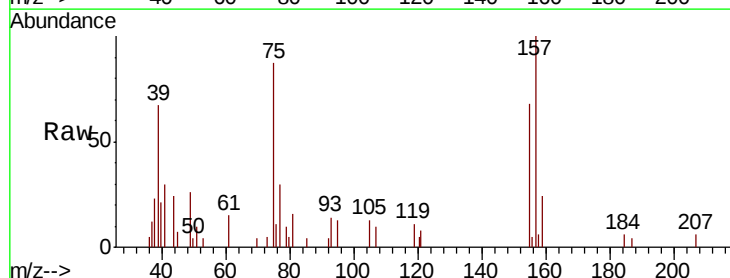
Tgt Ion: 75 Resp: 6353

Ion Ratio Lower Upper

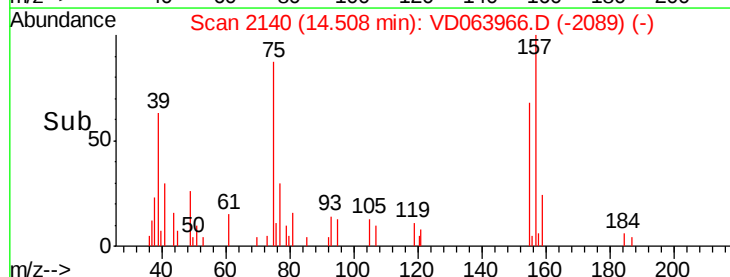
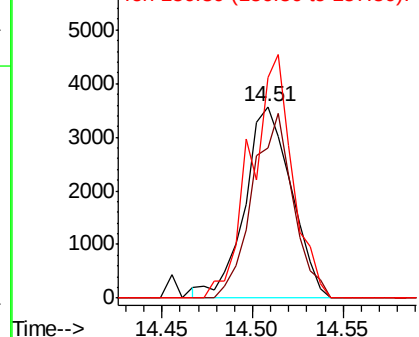
75 100

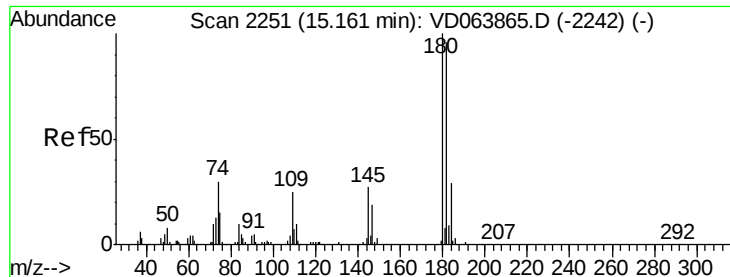
155 84.8 43.9 131.6

157 115.3 56.0 167.9



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

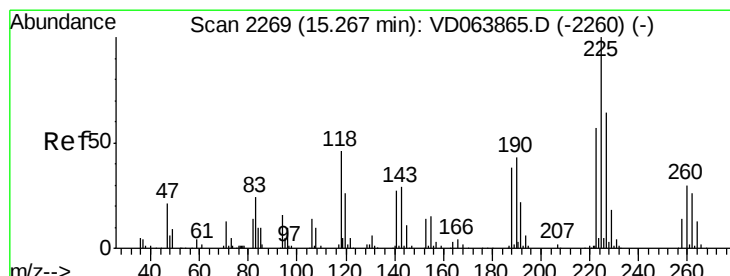
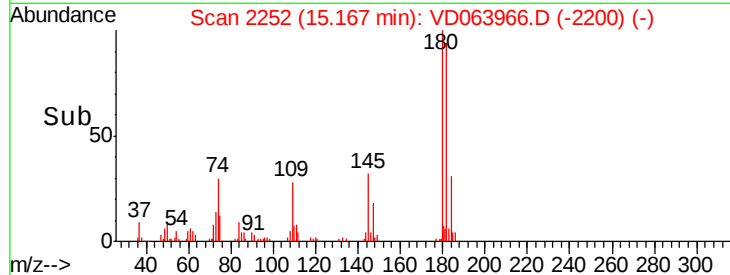
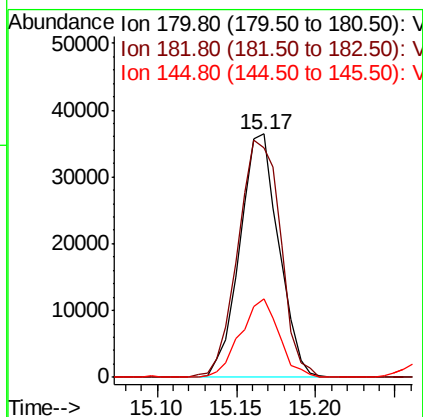
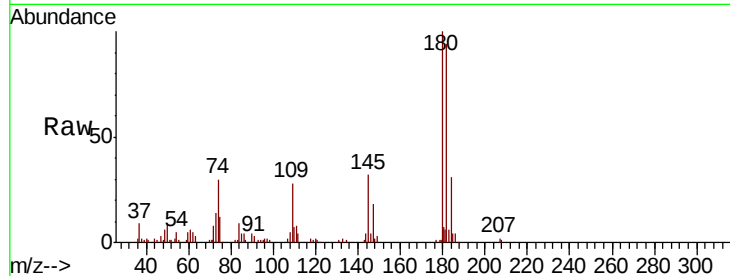




#93
 1,2,4-Trichlorobenzene
 Concen: 18.680 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

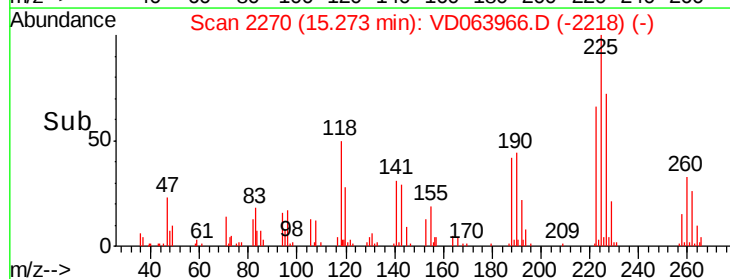
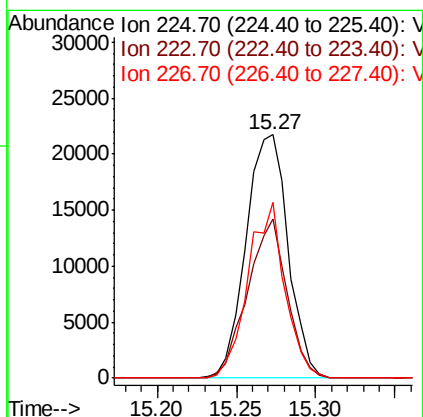
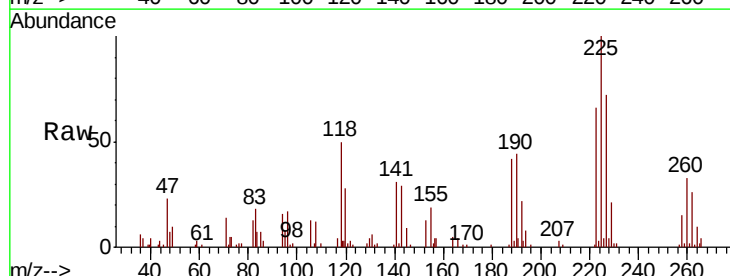
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

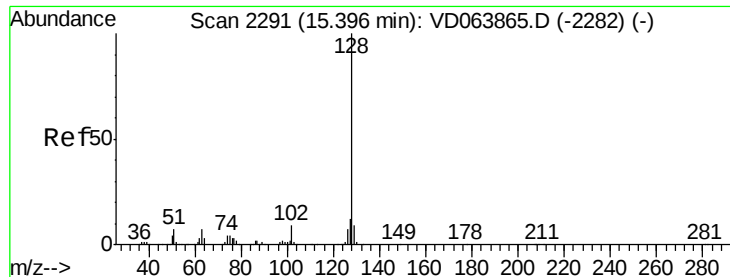
Tot Ion	Ratio	Lower	Upper
180	100		
182	106.5	47.4	142.3
145	31.9	13.9	41.7



#94
 Hexachlorobutadiene
 Concen: 21.853 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	29.5	88.6
227	63.0	30.8	92.4





#95

Naphthalene

Concen: 19.929 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBSD01

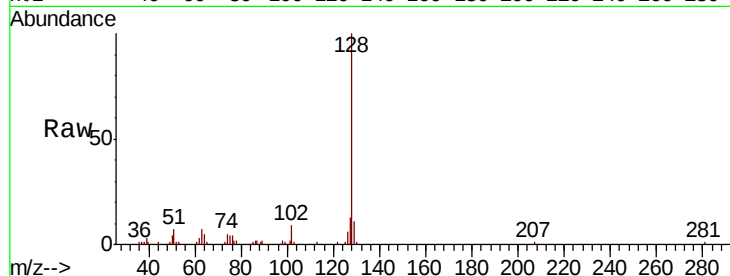
Tot Ion:128 Resp: 111667

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

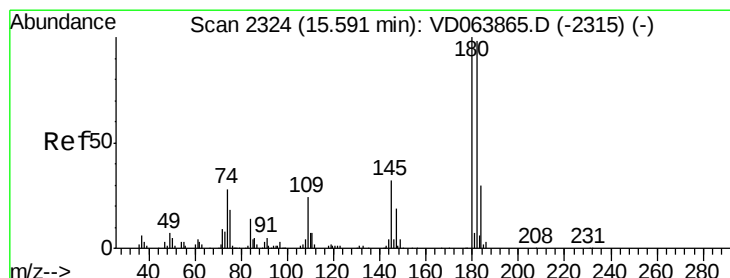
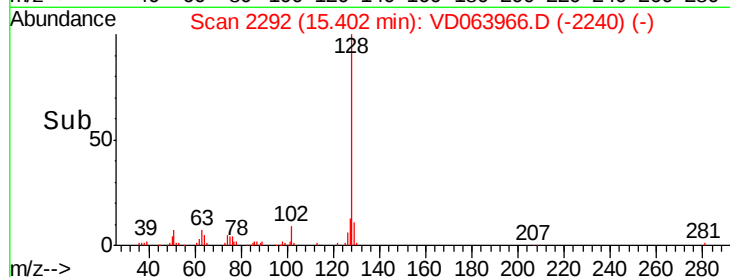
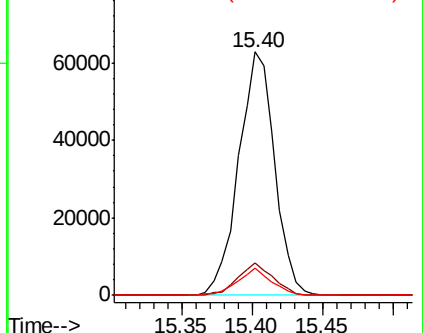
129 10.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.200 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

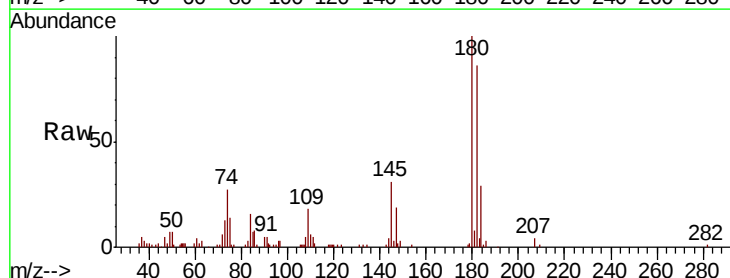
Tgt Ion:180 Resp: 58101

Ion Ratio Lower Upper

180 100

182 96.4 47.0 141.0

145 29.6 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

