

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101819\
 Data File : VD064005.D
 Acq On : 18 Oct 2019 12:32
 Operator : VA/SY
 Sample : VD1018SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 19 01:37:47 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	174444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	272168	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	264922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	144770	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	83399	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
35) Dibromofluoromethane	7.92	113	84353	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
50) Toluene-d8	10.34	98	356500	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
62) 4-Bromofluorobenzene	12.64	95	116160	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	23413	18.926	ug/l	93
3) Chloromethane	2.21	50	76426	20.265	ug/l	99
4) Vinyl Chloride	2.35	62	90903	22.735	ug/l	98
5) Bromomethane	2.76	94	53522	20.821	ug/l	94
6) Chloroethane	2.92	64	58592	22.158	ug/l	98
7) Trichlorofluoromethane	3.27	101	127497	24.118	ug/l	96
8) Diethyl Ether	3.71	74	16820	19.823	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.10	101	32800	22.415	ug/l #	41
10) Methyl Iodide	4.30	142	35238	17.476	ug/l	99
11) Tert butyl alcohol	5.25	59	12321	99.601	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	30025	20.537	ug/l	97
13) Acrolein	3.93	56	9309	61.370	ug/l	84
14) Allyl chloride	4.71	41	47502	19.543	ug/l	100
15) Acrylonitrile	5.43	53	38980	104.198	ug/l #	88
16) Acetone	4.16	43	40571	91.754	ug/l #	87
17) Carbon Disulfide	4.39	76	95473	17.965	ug/l	98
18) Methyl Acetate	4.73	43	20498	23.702	ug/l	94
19) Methyl tert-butyl Ether	5.49	73	71684	18.935	ug/l	94
20) Methylene Chloride	4.96	84	42571	19.885	ug/l	86
21) trans-1,2-Dichloroethene	5.46	96	37464	20.585	ug/l	95
22) Diisopropyl ether	6.37	45	99968	20.138	ug/l	91
23) Vinyl Acetate	6.31	43	289704	98.101	ug/l	99
24) 1,1-Dichloroethane	6.27	63	63282	20.696	ug/l #	92
25) 2-Butanone	7.23	43	52047	99.322	ug/l #	86
26) 2,2-Dichloropropane	7.21	77	53623	19.387	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	41815	20.299	ug/l	97
28) Bromochloromethane	7.55	49	20876	19.152	ug/l	92
29) Tetrahydrofuran	7.57	42	32060	104.819	ug/l	99
30) Chloroform	7.71	83	66316	19.968	ug/l	95
31) Cyclohexane	7.98	56	61458	22.082	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	59934	21.038	ug/l	98
36) 1,1-Dichloropropene	8.11	75	54841	22.038	ug/l	97
37) Ethyl Acetate	7.30	43	21992	19.616	ug/l #	91
38) Carbon Tetrachloride	8.10	117	52518	20.884	ug/l	95

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 ClientSampleId :

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	65611	21.443	ug/l	92
40) Benzene	8.36	78	151093	21.187	ug/l	97
41) Methacrylonitrile	7.53	41	14543	25.207	ug/l #	76
42) 1,2-Dichloroethane	8.43	62	42500	20.603	ug/l	99
43) Isopropyl Acetate	8.46	43	42083	20.165	ug/l	99
44) Trichloroethene	9.11	130	43858	21.328	ug/l	99
45) 1,2-Dichloropropane	9.40	63	36404	20.856	ug/l	95
46) Dibromomethane	9.48	93	19827	19.945	ug/l	95
47) Bromodichloromethane	9.67	83	51016	19.933	ug/l	99
48) Methyl methacrylate	9.46	41	18696	18.697	ug/l	97
49) 1,4-Dioxane	9.47	88	6357	468.490	ug/l	91
51) 4-Methyl-2-Pentanone	10.24	43	112712	104.138	ug/l	96
52) Toluene	10.41	92	106106	21.674	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	48568	19.447	ug/l #	86
54) cis-1,3-Dichloropropene	10.10	75	59276	20.619	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	30393	21.654	ug/l	94
56) Ethyl methacrylate	10.67	69	33072	18.606	ug/l	96
57) 1,3-Dichloropropane	10.95	76	49862	20.763	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	73496	96.197	ug/l	99
59) 2-Hexanone	10.99	43	77560	99.064	ug/l	99
60) Dibromochloromethane	11.15	129	36803	20.140	ug/l	95
61) 1,2-Dibromoethane	11.25	107	28609	21.025	ug/l	98
64) Tetrachloroethene	10.88	164	38787	21.446	ug/l	96
65) Chlorobenzene	11.67	112	116068	21.816	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	40093	20.451	ug/l	98
67) Ethyl Benzene	11.75	91	204555	21.322	ug/l	100
68) m/p-Xylenes	11.86	106	160470	43.336	ug/l	98
69) o-Xylene	12.18	106	74618	21.045	ug/l	97
70) Styrene	12.20	104	128819	21.461	ug/l	100
71) Bromoform	12.37	173	22158	21.061	ug/l #	96
73) Isopropylbenzene	12.48	105	202255	20.782	ug/l	99
74) N-amyl acetate	12.29	43	38850	18.541	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	36221	21.388	ug/l	93
76) 1,2,3-Trichloropropane	12.79	75	44666	46.065	ug/l #	100
77) Bromobenzene	12.77	156	49423	20.383	ug/l	99
78) n-propylbenzene	12.83	91	245213	21.466	ug/l	99
79) 2-Chlorotoluene	12.91	91	133233	21.152	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	173329	21.348	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	9577	17.478	ug/l	86
82) 4-Chlorotoluene	13.01	91	138001	20.653	ug/l	99
83) tert-Butylbenzene	13.23	119	148634	20.569	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	179508	21.445	ug/l	93
85) sec-Butylbenzene	13.40	105	215419	22.075	ug/l	99
86) p-Isopropyltoluene	13.52	119	196075	21.234	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	97827	20.419	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	98049	20.745	ug/l	98
89) n-Butylbenzene	13.85	91	191169	22.241	ug/l	98
90) Hexachloroethane	14.11	117	35892	21.611	ug/l	94
91) 1,2-Dichlorobenzene	13.89	146	84709	20.517	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5507	19.426	ug/l	91

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Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
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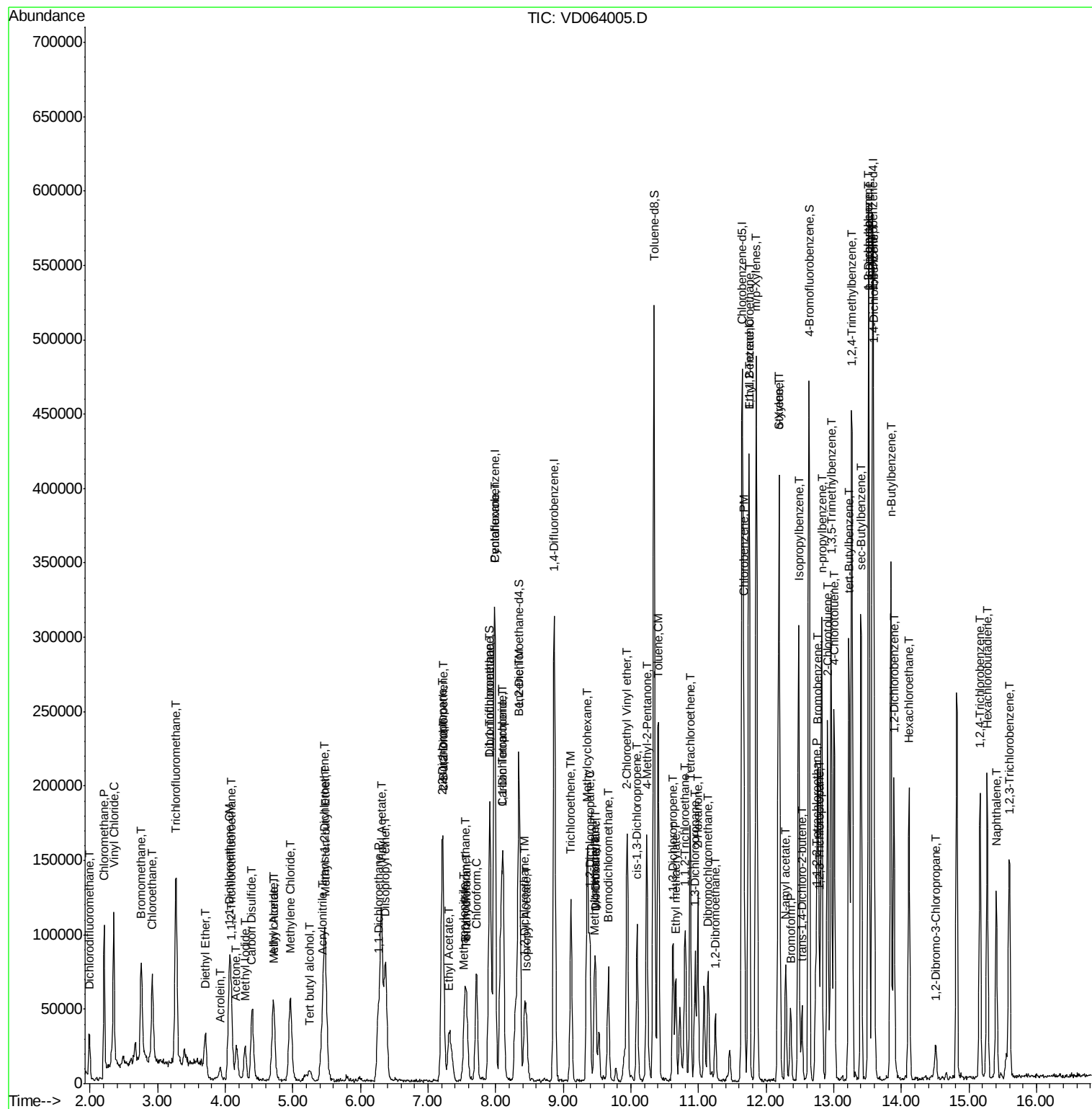
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	59225	18.590	ug/l	96
94) Hexachlorobutadiene	15.27	225	37611	21.394	ug/l	99
95) Naphthalene	15.41	128	104883	19.588	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	53083	19.312	ug/l	97

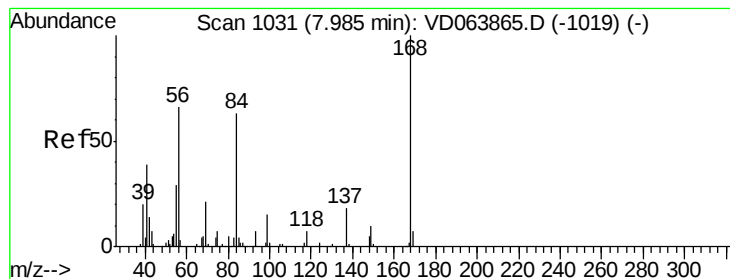
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

Instrument :

MSVOA_D

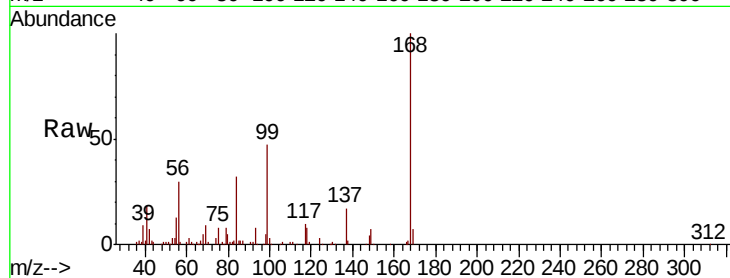
ClientSampleId :

Tot Ion:168 Resp: 174444

Ion Ratio Lower Upper

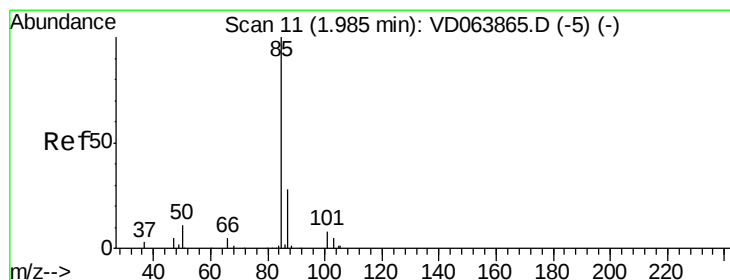
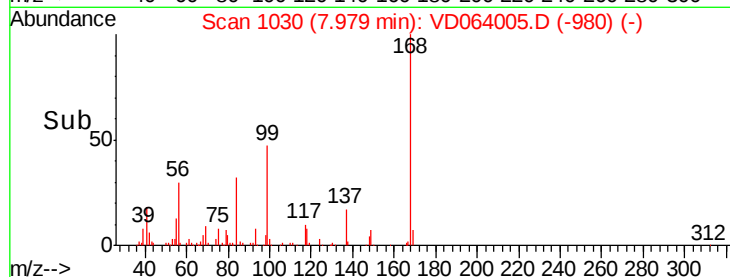
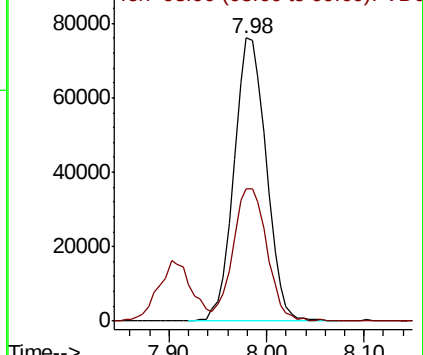
168 100

99 46.9 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: 18.926 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD064005.D

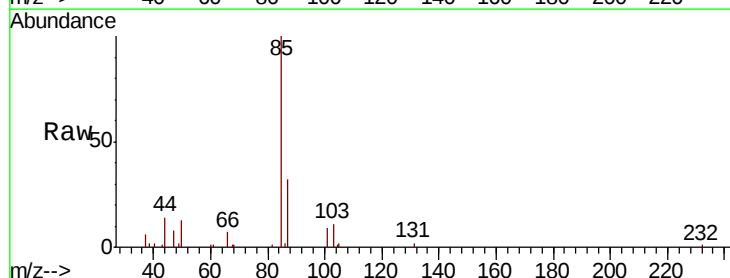
Acq: 18 Oct 2019 12:32

Tgt Ion: 85 Resp: 23413

Ion Ratio Lower Upper

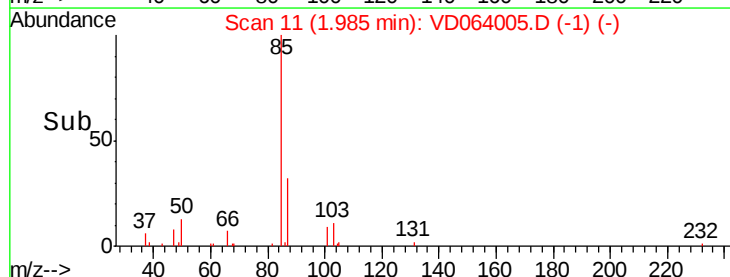
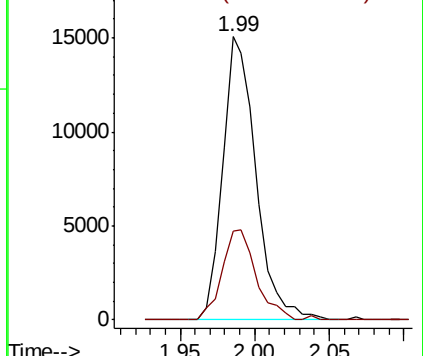
85 100

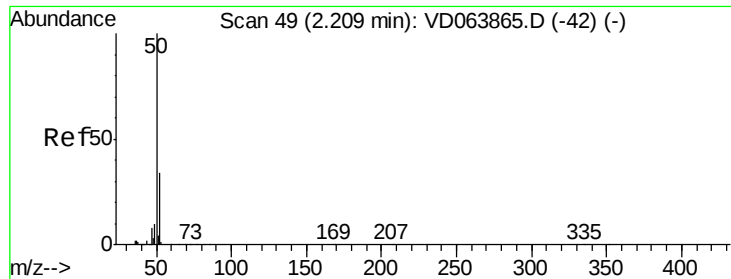
87 31.5 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

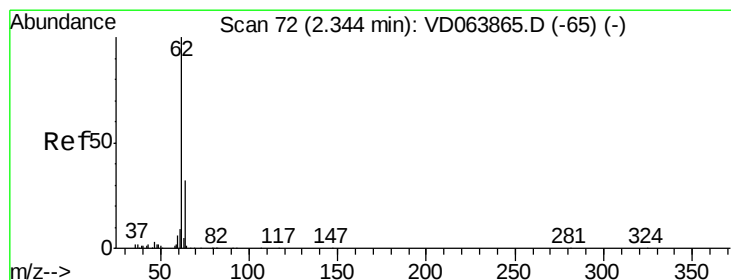
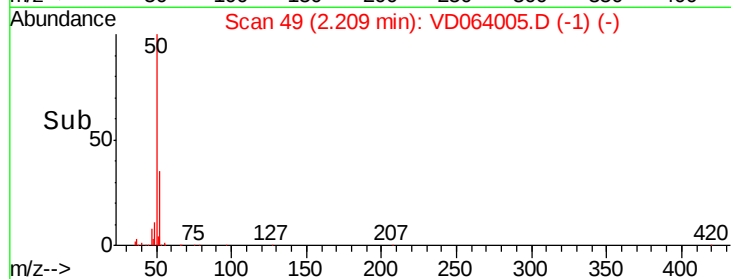
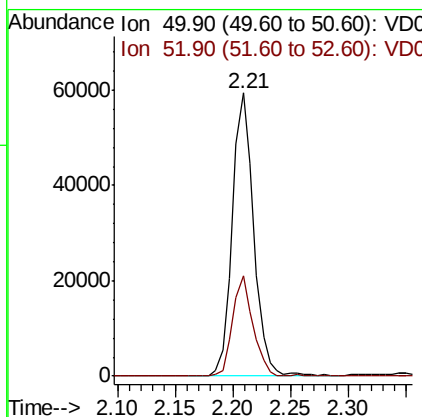
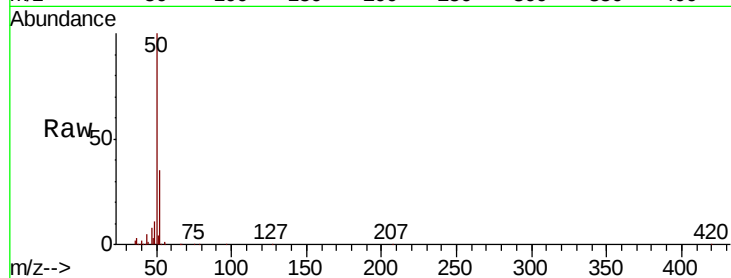




#3
Chloromethane
Concen: 20.265 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

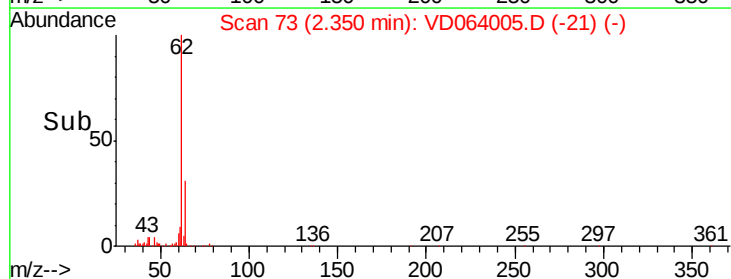
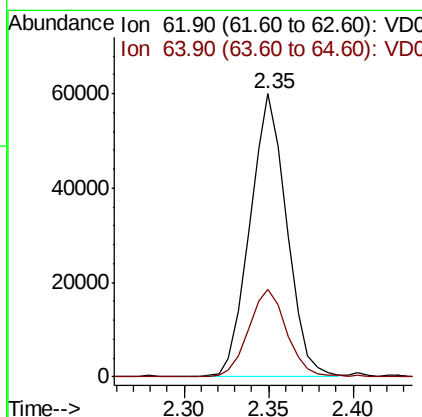
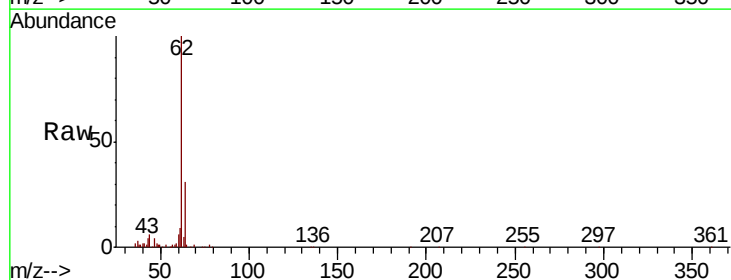
Instrument :
MSVOA_D
ClientSampleId :

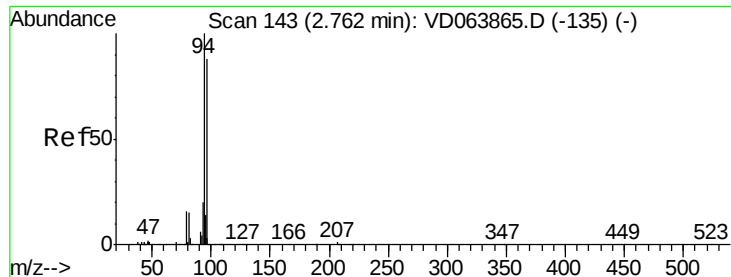
Tot Ion: 50 Resp: 76426
Ion Ratio Lower Upper
50 100
52 35.3 27.5 41.3



#4
Vinyl Chloride
Concen: 22.735 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

Tgt Ion: 62 Resp: 90903
Ion Ratio Lower Upper
62 100
64 30.7 25.4 38.0





#5

Bromomethane

Concen: 20.821 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

Instrument :

MSVOA_D

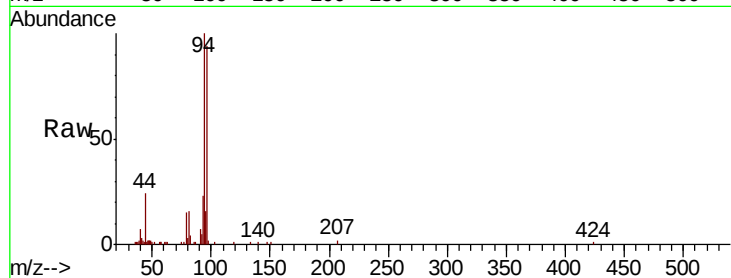
ClientSampleId :

Tot Ion: 94 Resp: 53522

Ion Ratio Lower Upper

94 100

96 93.7 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

25000

20000

15000

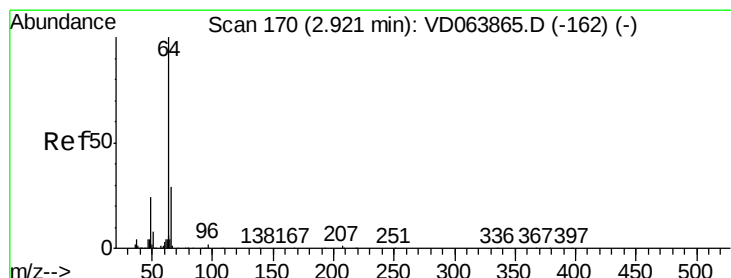
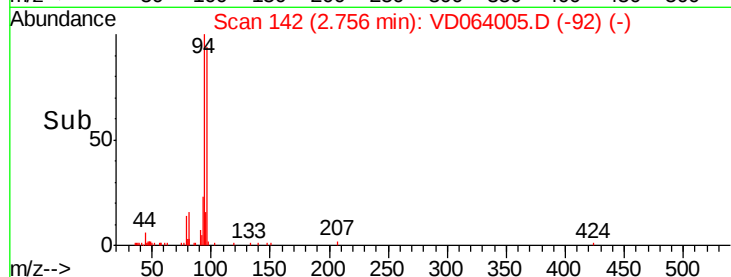
10000

5000

0

Time-->

2.70 2.80



#6

Chloroethane

Concen: 22.158 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD064005.D

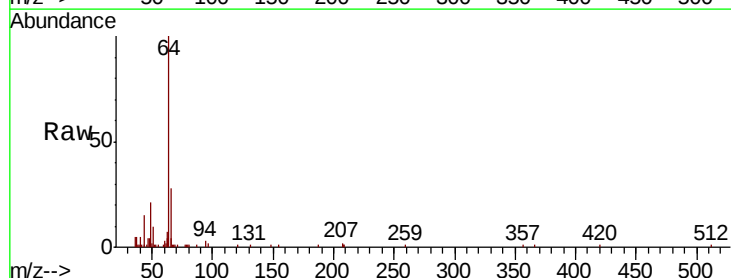
Acq: 18 Oct 2019 12:32

Tgt Ion: 64 Resp: 58592

Ion Ratio Lower Upper

64 100

66 27.8 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

30000

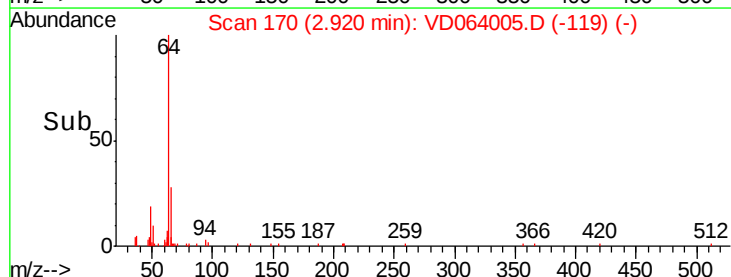
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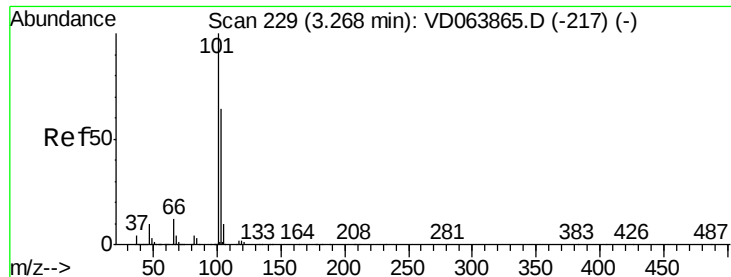
10000

0

Time-->

2.80 2.90 3.00



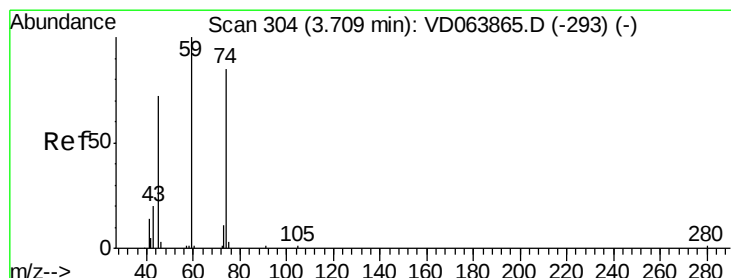
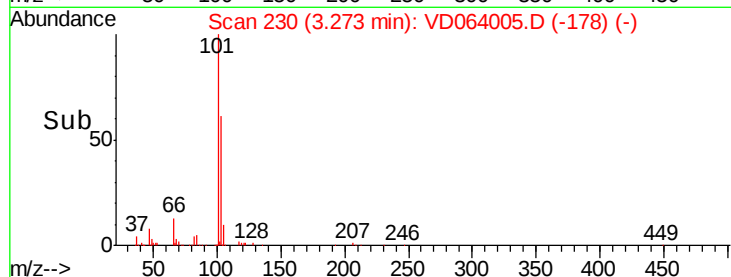
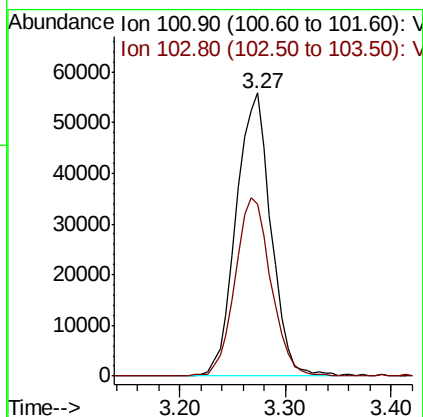
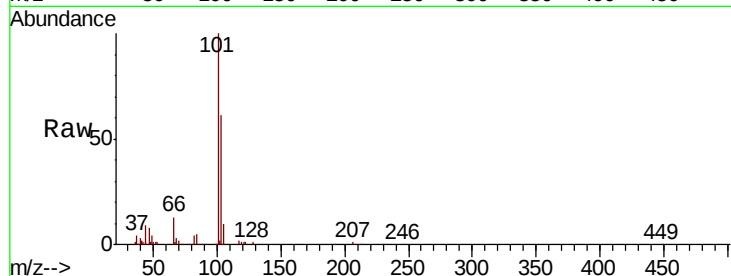


#7

Trichlorofluoromethane
Concen: 24.118 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

Instrument :
MSVOA_D
ClientSampled :

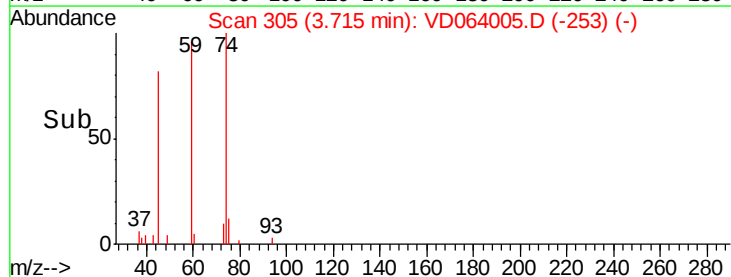
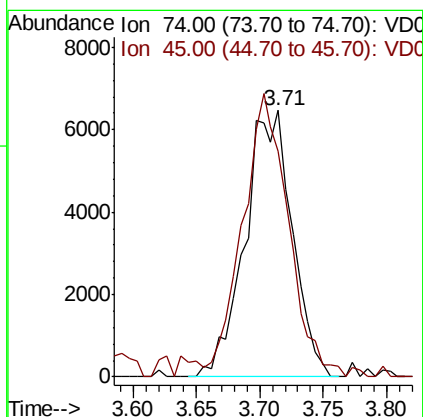
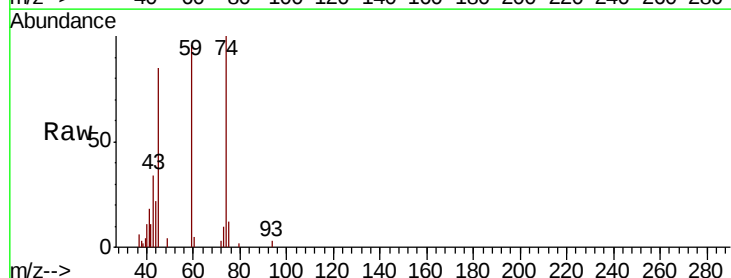
Tot Ion:101 Resp: 127497
Ion Ratio Lower Upper
101 100
103 60.6 51.1 76.7

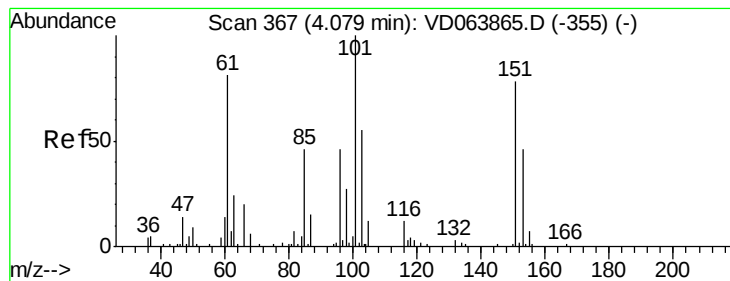


#8

Diethyl Ether
Concen: 19.823 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

Tgt Ion: 74 Resp: 16820
Ion Ratio Lower Upper
74 100
45 102.9 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.415 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.02 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

Instrument :

MSVOA_D

ClientSampled :

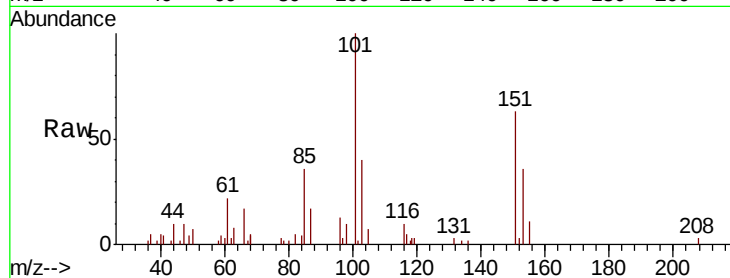
Tot Ion:101 Resp: 32800

Ion Ratio Lower Upper

101 100

85 48.3 37.5 56.3

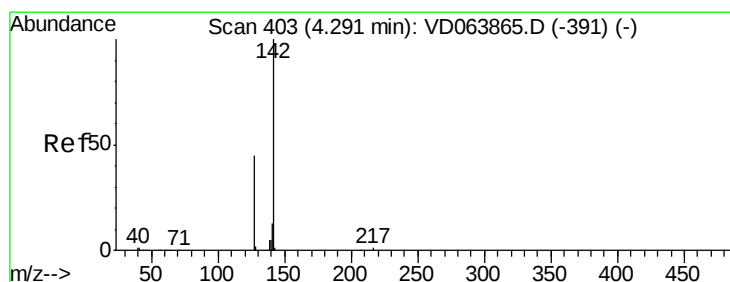
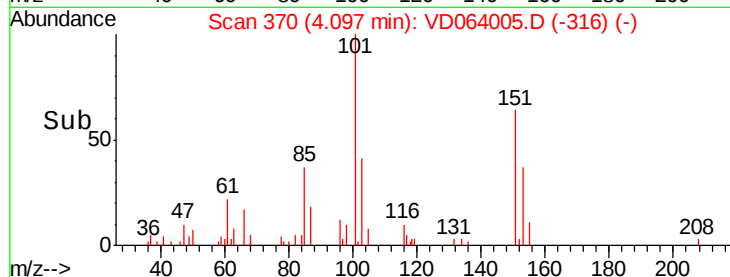
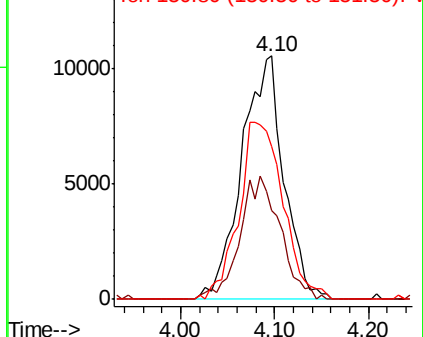
151 0.0 65.5 98.3#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.476 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

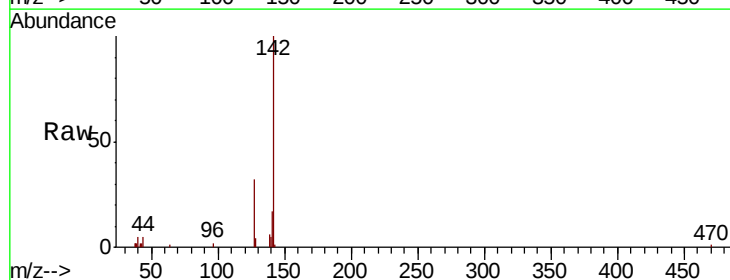
Tgt Ion:142 Resp: 35238

Ion Ratio Lower Upper

142 100

127 43.6 35.3 52.9

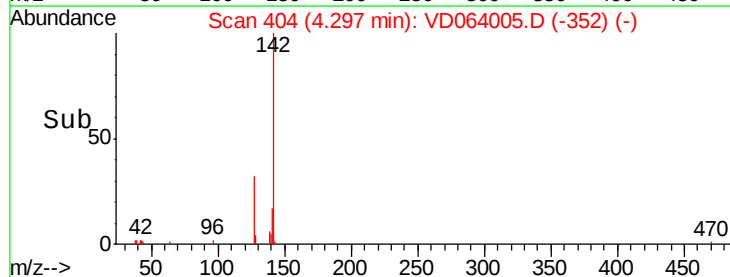
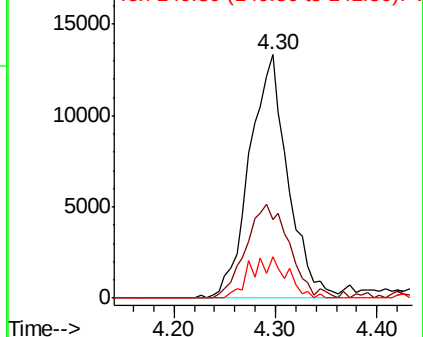
141 16.2 12.2 18.2

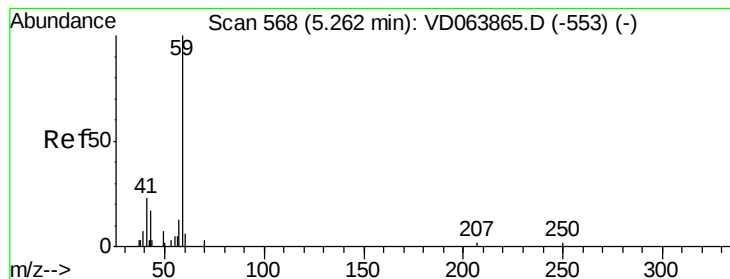


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



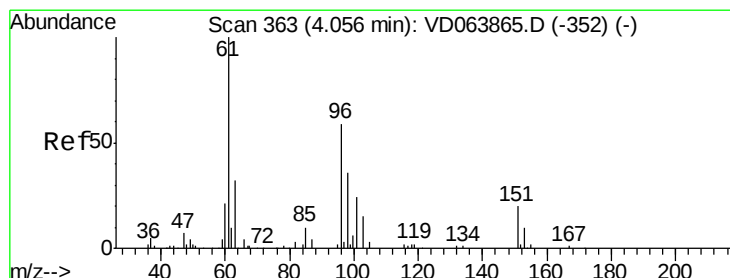
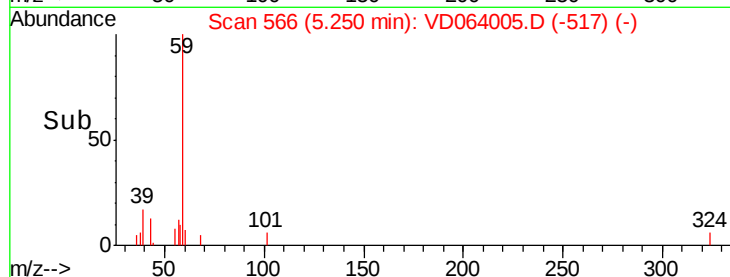
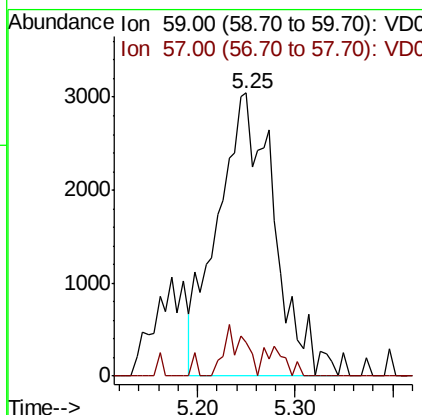
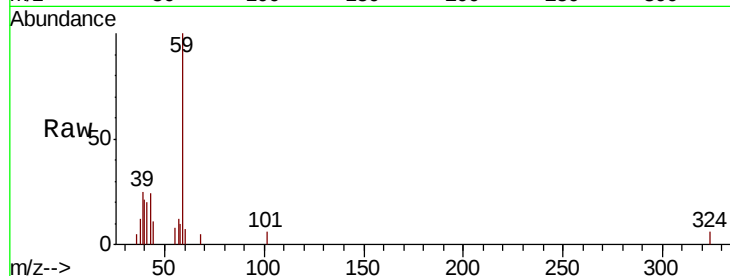


#11

Tert butyl alcohol
 Concen: 99.601 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD064005.D
 Acq: 18 Oct 2019 12:32

Instrument :
 MSVOA_D
 ClientSampleID :

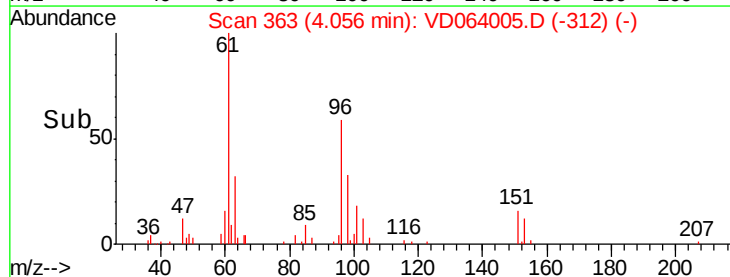
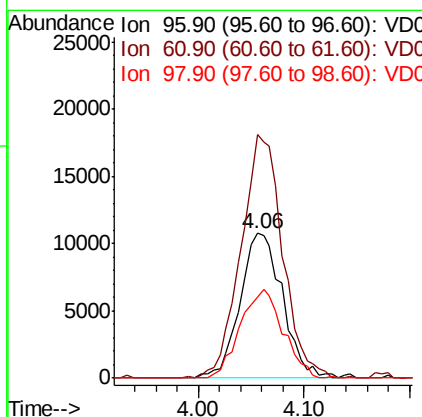
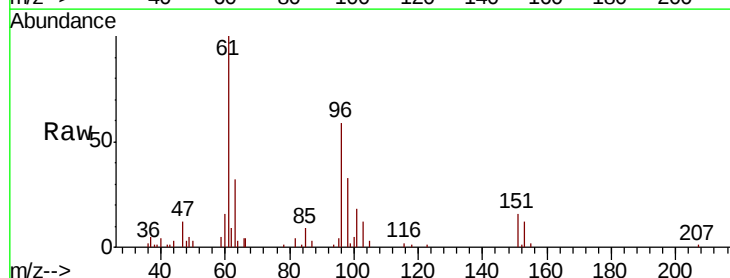
Tot Ion: 59 Resp: 12321
 Ion Ratio Lower Upper
 59 100
 57 6.3 8.8 13.2#

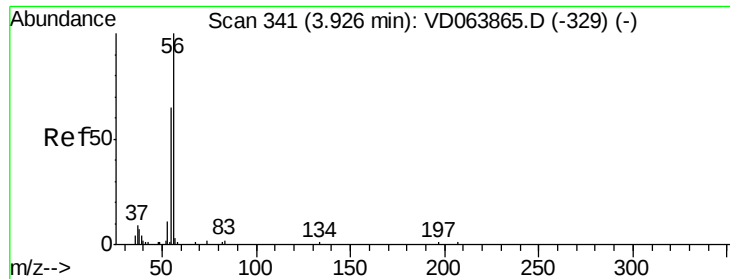


#12

1,1-Dichloroethene
 Concen: 20.537 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD064005.D
 Acq: 18 Oct 2019 12:32

Tgt Ion: 96 Resp: 30025
 Ion Ratio Lower Upper
 96 100
 61 168.1 135.6 203.4
 98 55.9 49.2 73.8





#13

Acrolein

Concen: 61.370 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

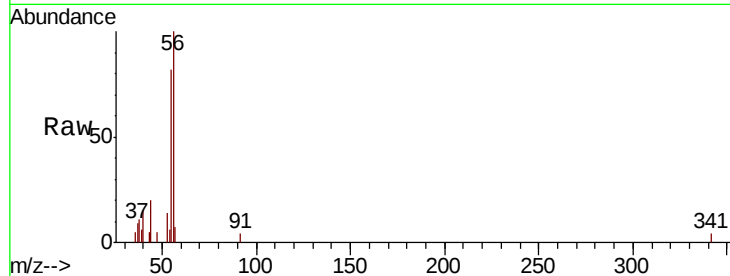
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 9309

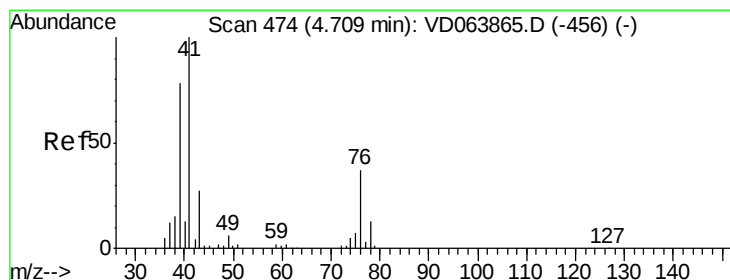
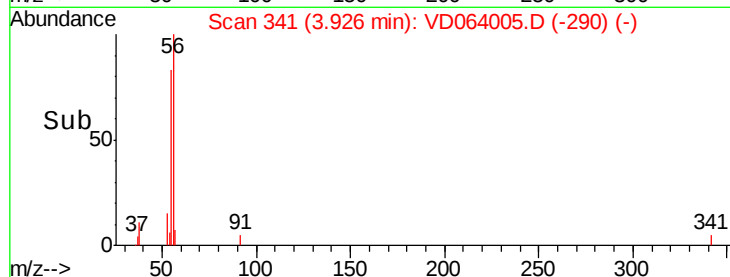
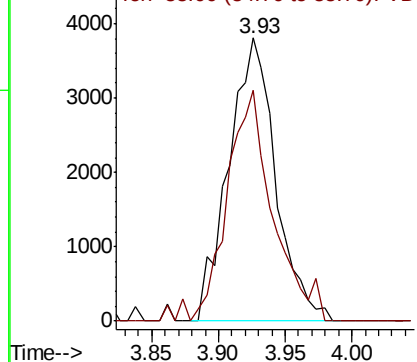
Ion Ratio Lower Upper

56 100

55 79.0 53.0 79.6



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.543 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

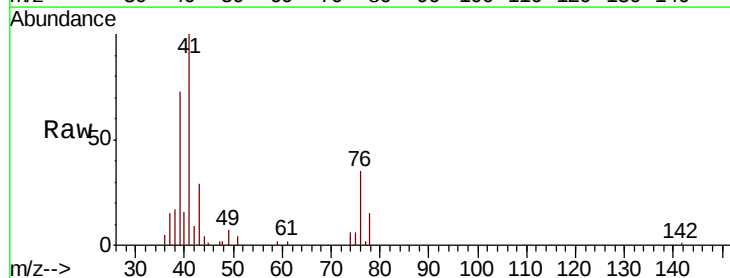
Tgt Ion: 41 Resp: 47502

Ion Ratio Lower Upper

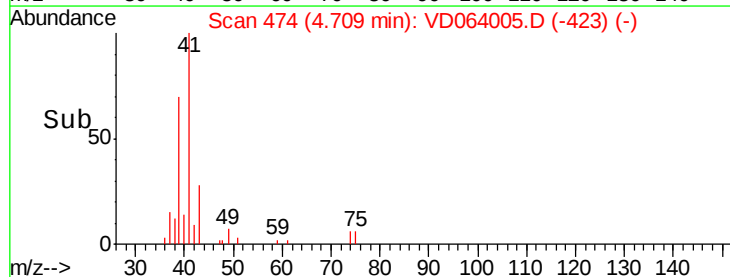
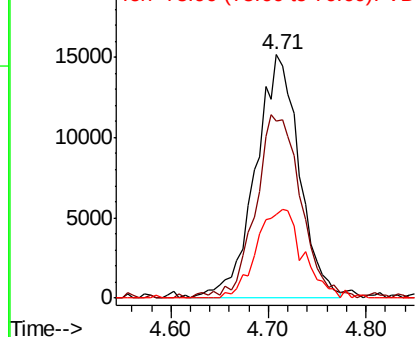
41 100

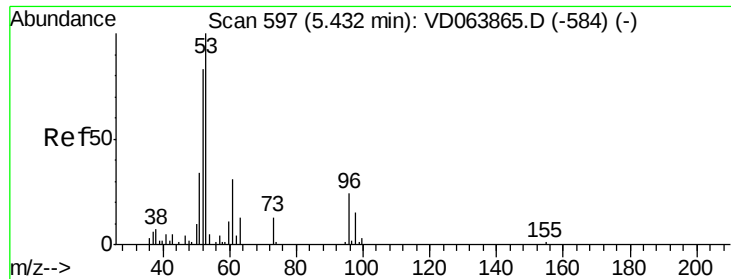
39 77.4 61.8 92.6

76 39.1 31.3 46.9



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 104.198 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

Instrument :

MSVOA_D

ClientSampled :

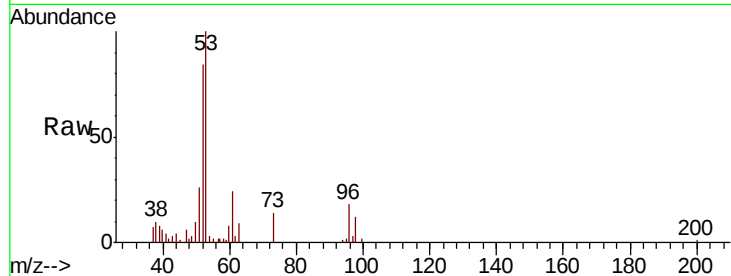
Tot Ion: 53 Resp: 38980

Ion Ratio Lower Upper

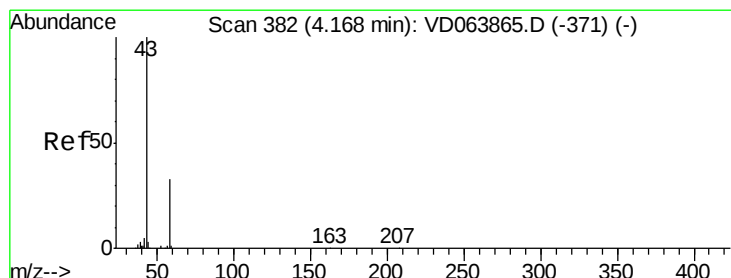
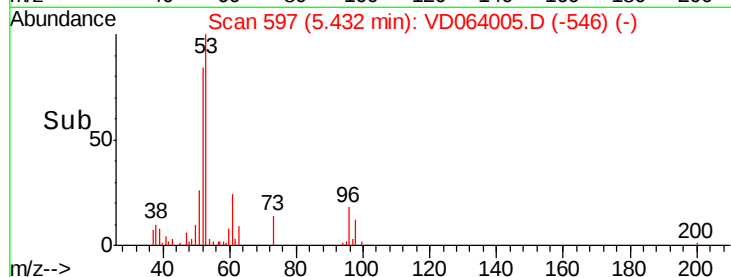
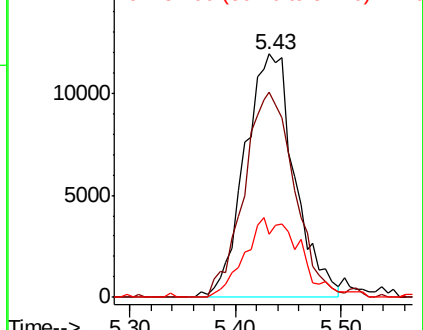
53 100

52 85.1 67.3 100.9

51 17.2 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: 91.754 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064005.D

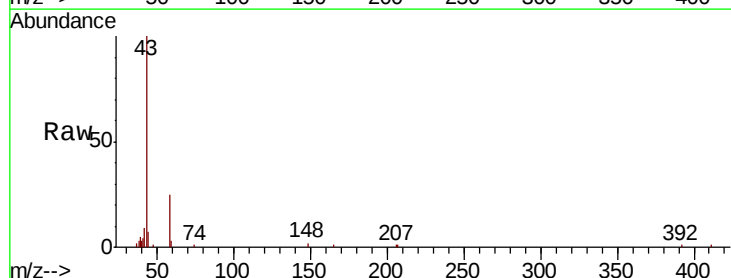
Acq: 18 Oct 2019 12:32

Tgt Ion: 43 Resp: 40571

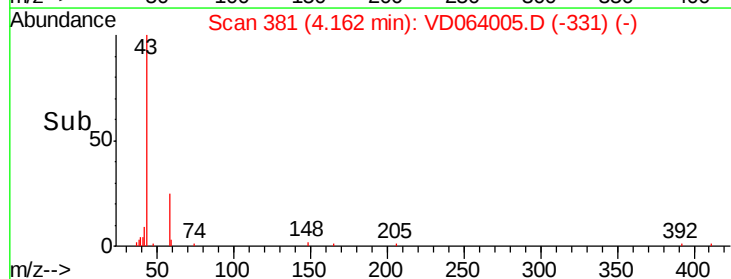
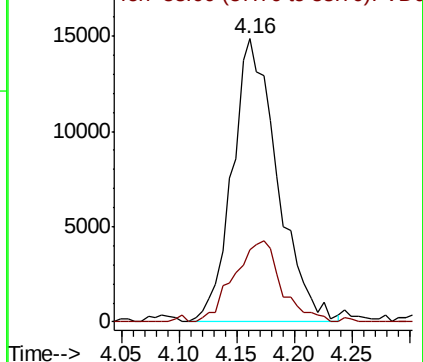
Ion Ratio Lower Upper

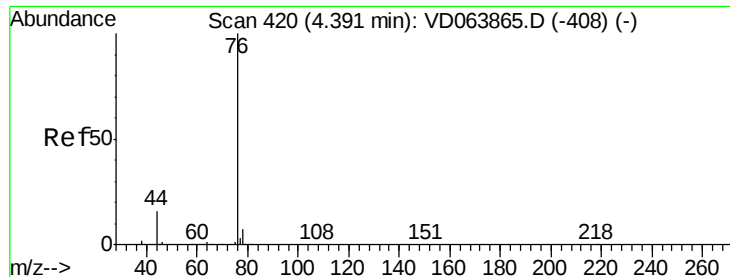
43 100

58 25.4 26.2 39.4#



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

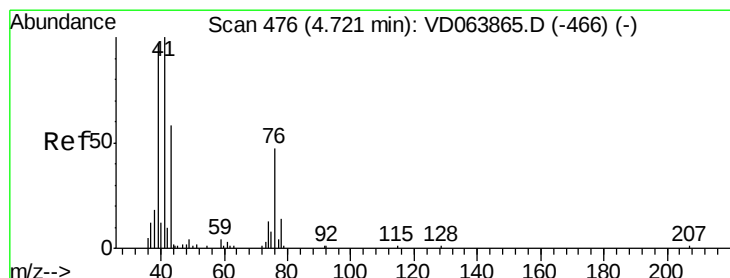
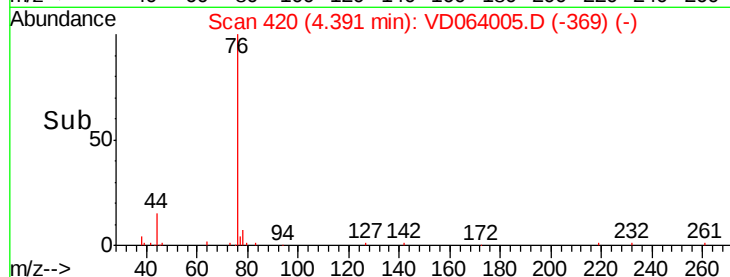
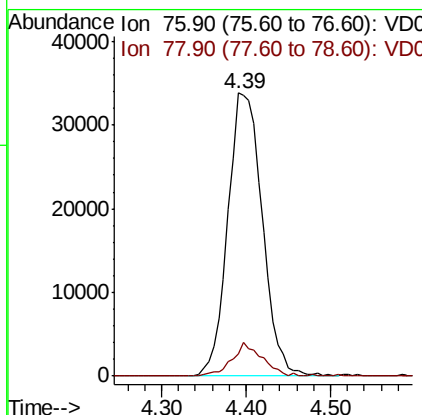
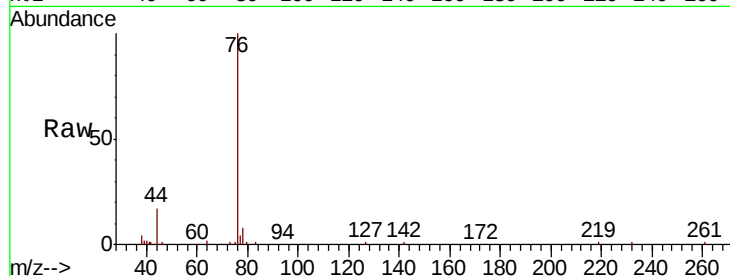




#17
Carbon Disulfide
Concen: 17.965 ug/l
RT: 4.39 min Scan# 420
Delta R.T. -0.00 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

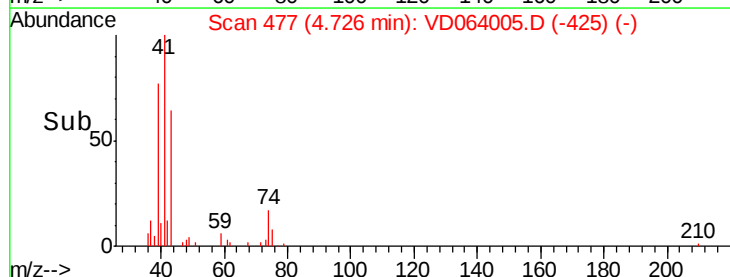
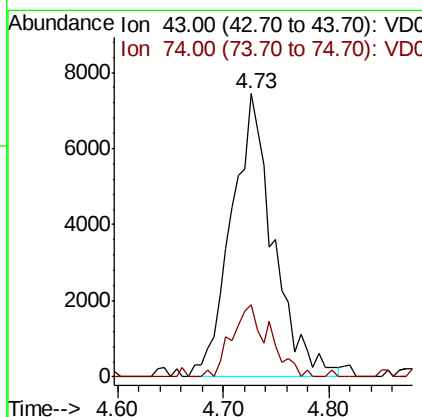
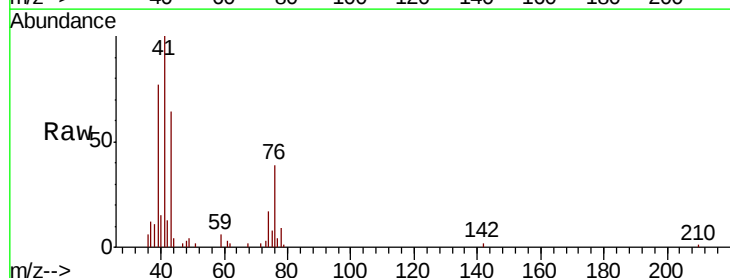
Instrument :
MSVOA_D
ClientSampleId :

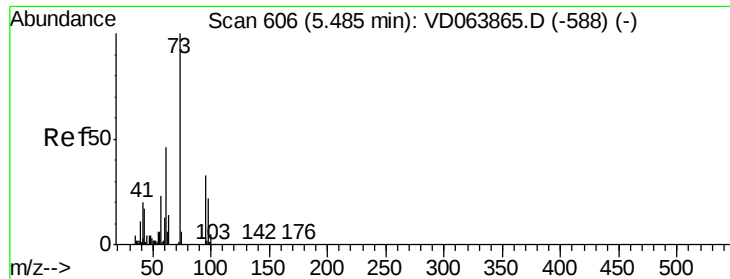
Tot Ion: 76 Resp: 95473
Ion Ratio Lower Upper
76 100
78 7.9 5.8 8.8



#18
Methyl Acetate
Concen: 23.702 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

Tgt Ion: 43 Resp: 20498
Ion Ratio Lower Upper
43 100
74 23.0 20.8 31.2

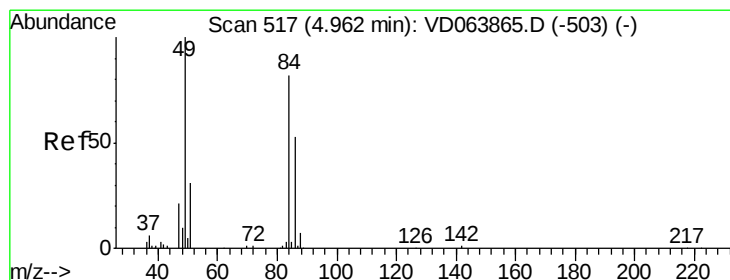
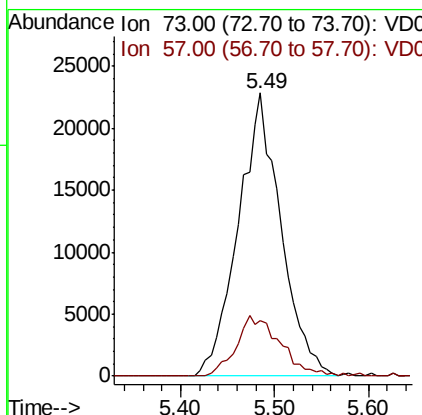
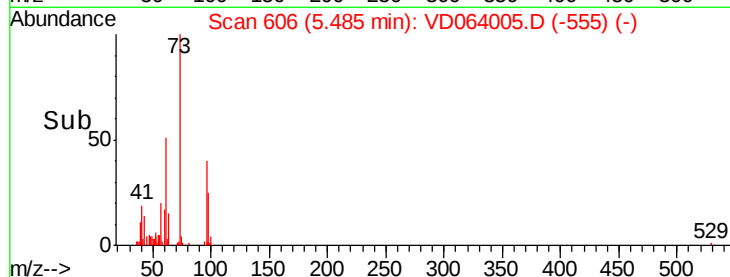
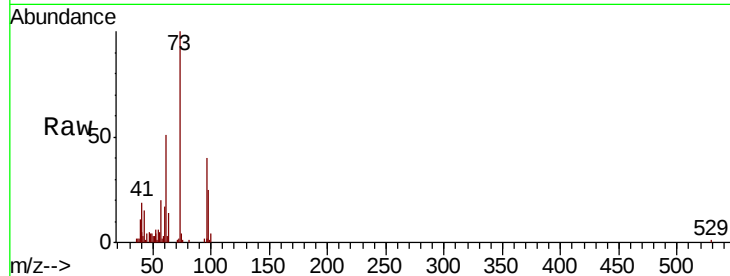




#19
Methvl tert-butvl Ether
Concen: 18.935 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

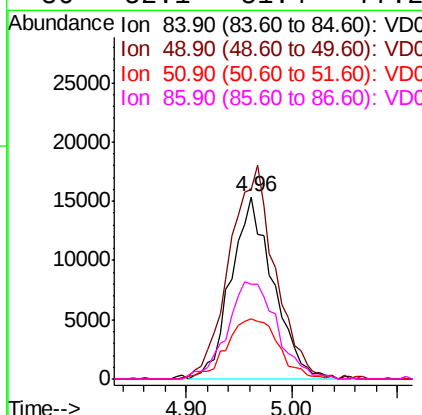
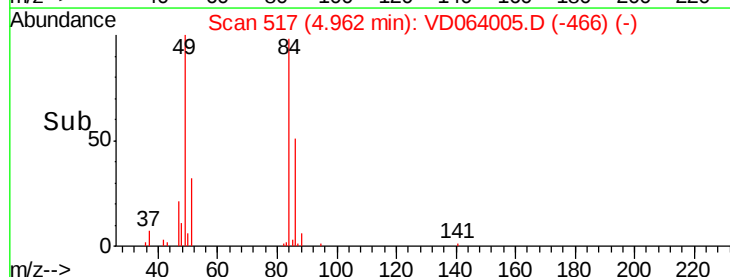
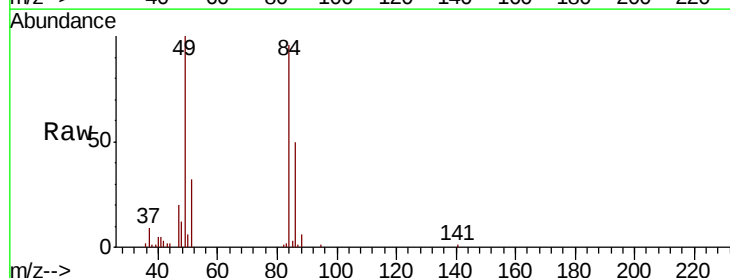
Instrument :
MSVOA_D
ClientSampled :

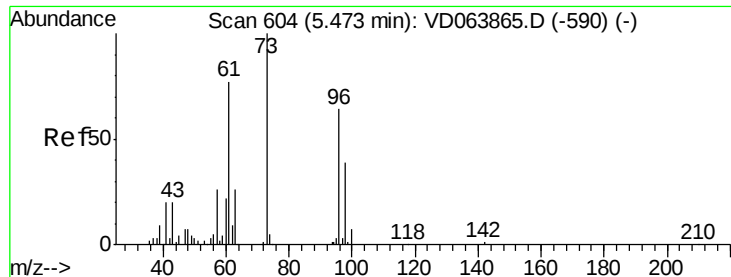
Tot Ion: 73 Resp: 71684
Ion Ratio Lower Upper
73 100
57 19.5 18.1 27.1



#20
Methylene Chloride
Concen: 19.885 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

Tgt Ion: 84 Resp: 42571
Ion Ratio Lower Upper
84 100
49 104.0 97.3 145.9
51 32.8 30.1 45.1
86 52.1 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.585 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

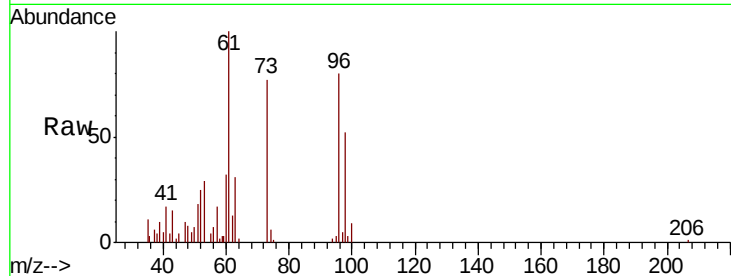
Tot Ion: 96 Resp: 37464

Ion Ratio Lower Upper

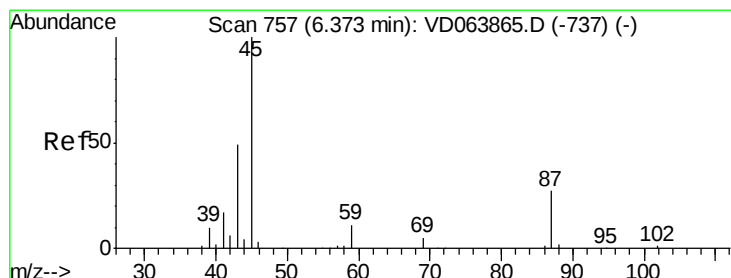
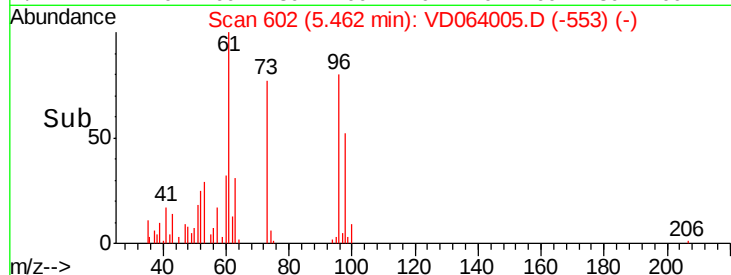
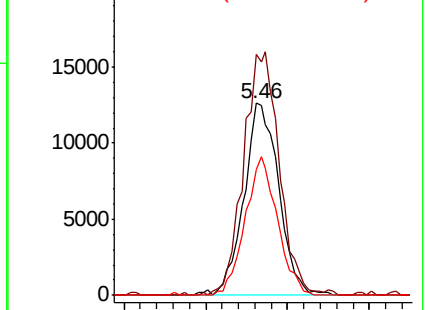
96 100

61 125.4 96.6 145.0

98 65.4 48.7 73.1



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 20.138 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

Tgt Ion: 45 Resp: 99968

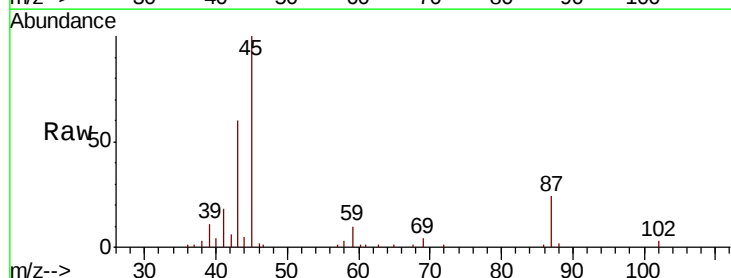
Ion Ratio Lower Upper

45 100

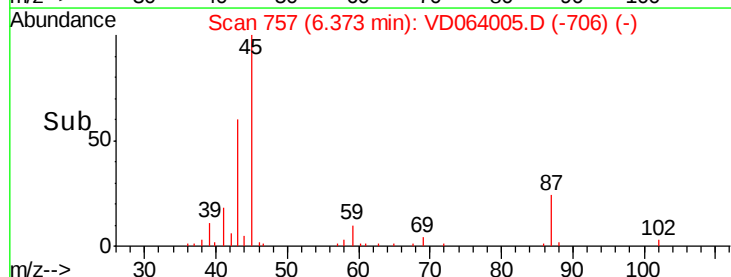
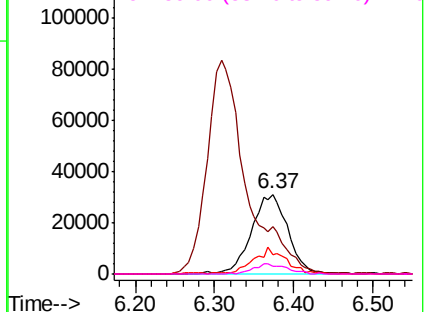
43 58.6 41.2 61.8

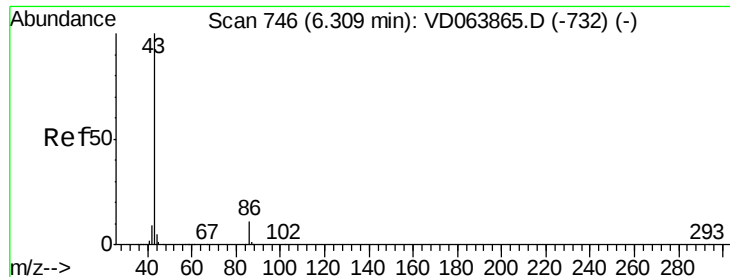
87 23.8 22.2 33.4

59 9.9 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: 98.101 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

Instrument :

MSVOA_D

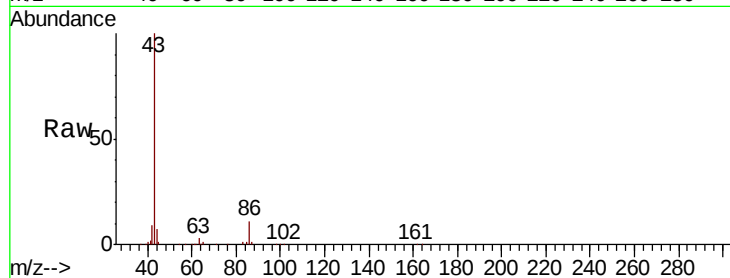
ClientSampleId :

Tot Ion: 43 Resp: 289704

Ion Ratio Lower Upper

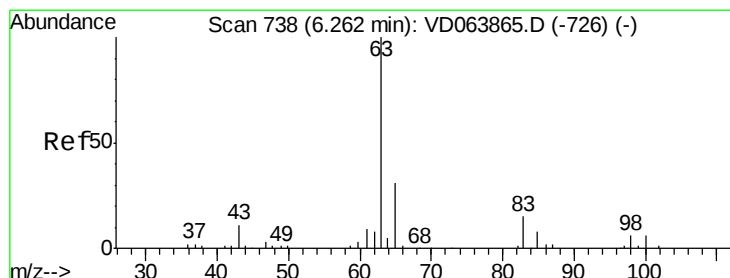
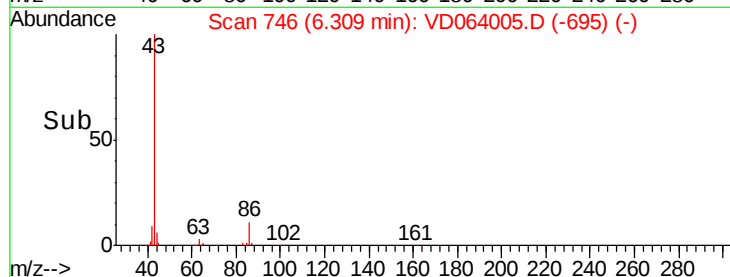
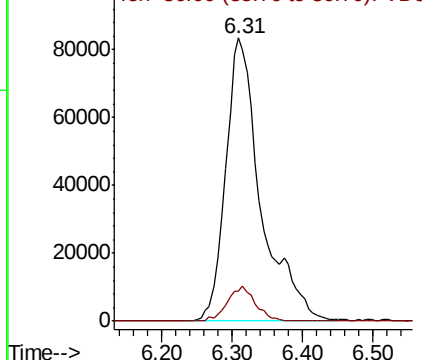
43 100

86 10.8 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: 20.696 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

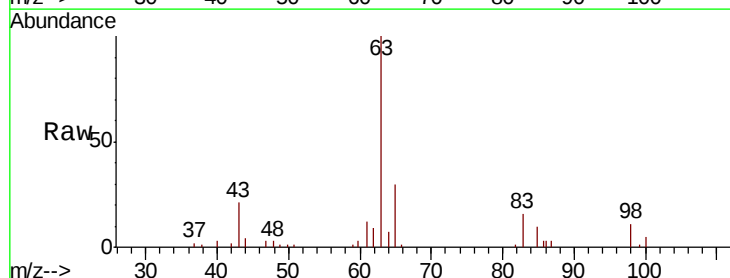
Tgt Ion: 63 Resp: 63282

Ion Ratio Lower Upper

63 100

98 10.6 3.1 9.4#

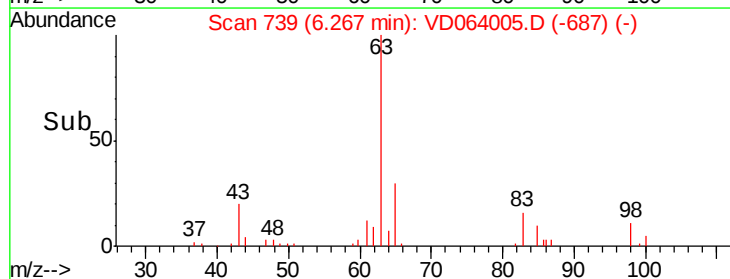
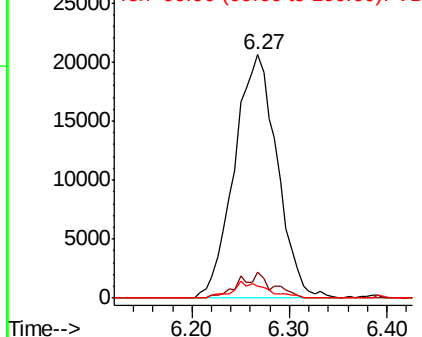
100 5.0 3.0 9.2

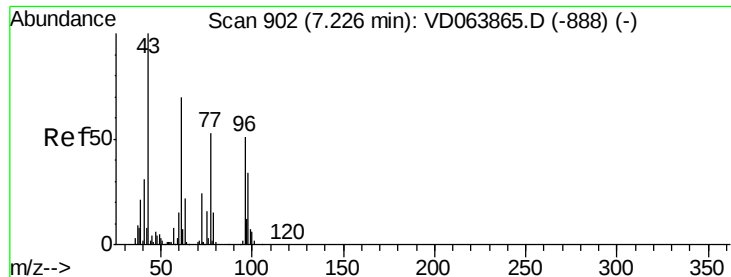


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 99.322 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

Instrument :

MSVOA_D

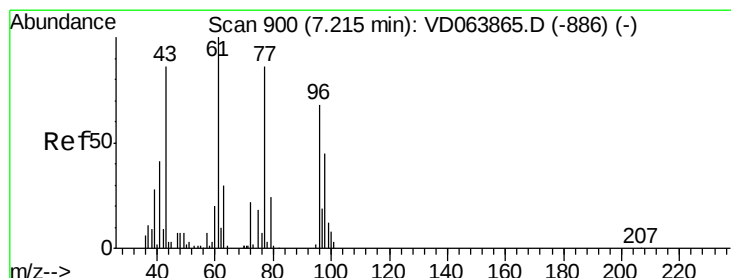
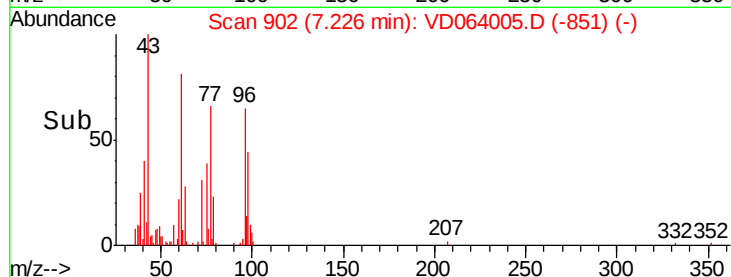
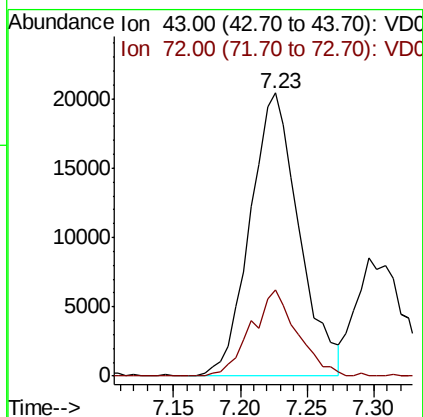
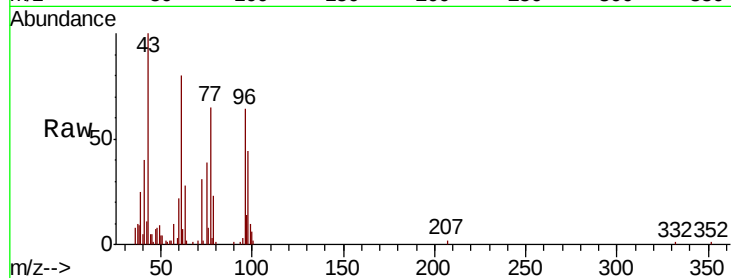
ClientSampleId :

Tot Ion: 43 Resp: 52047

Ion Ratio Lower Upper

43 100

72 30.7 19.2 28.8#



#26

2,2-Dichloropropane

Concen: 19.387 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064005.D

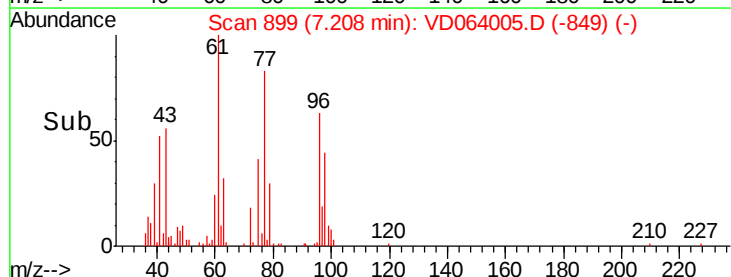
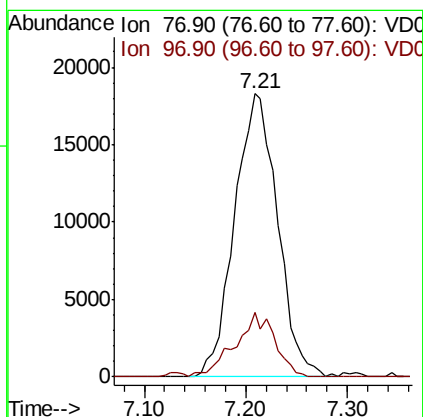
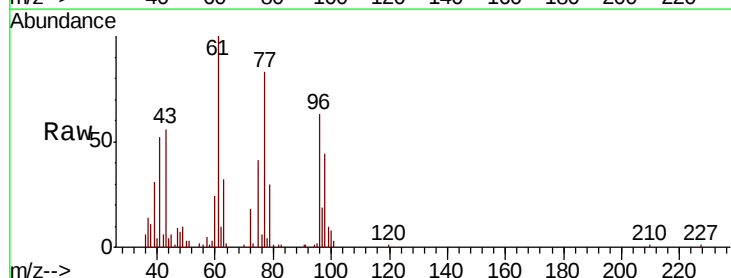
Acq: 18 Oct 2019 12:32

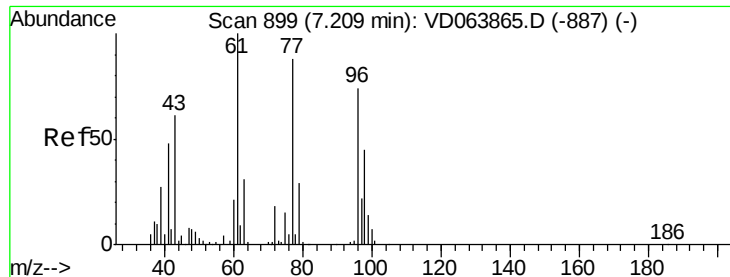
Tgt Ion: 77 Resp: 53623

Ion Ratio Lower Upper

77 100

97 21.0 11.4 34.1



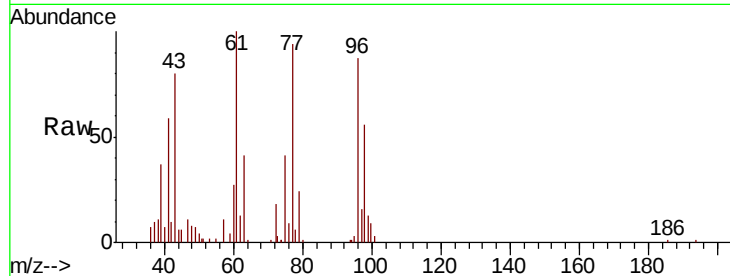


#27

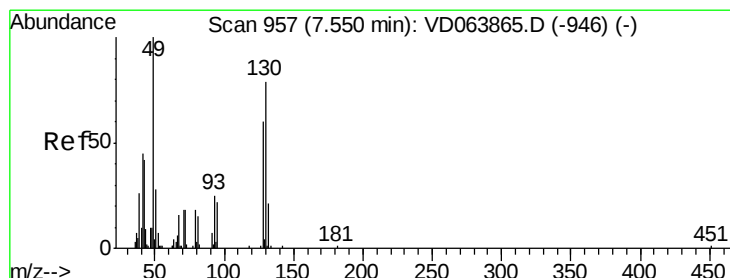
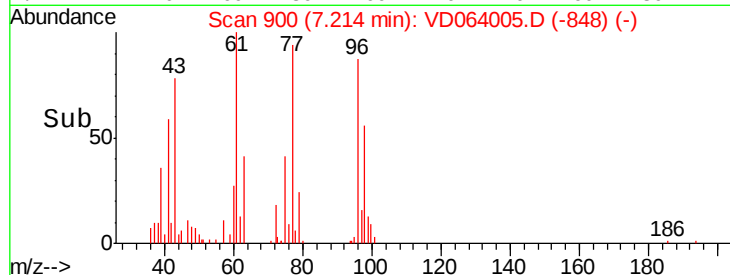
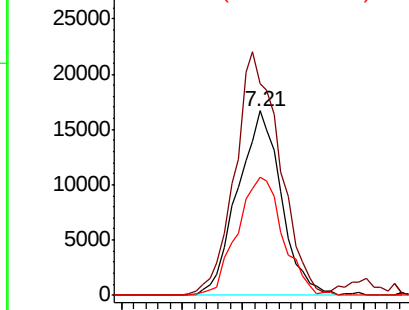
cis-1,2-Dichloroethene
Concen: 20.299 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 41815
Ion Ratio Lower Upper
96 100
61 135.5 0.0 280.0
98 67.2 0.0 130.4



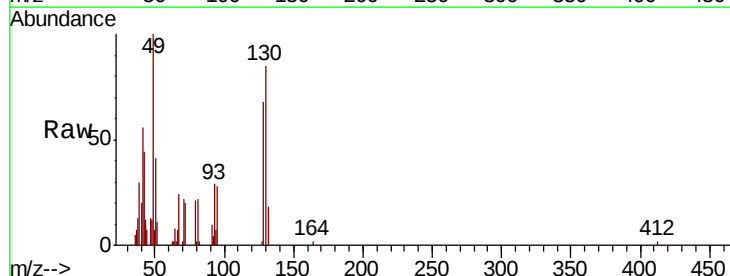
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



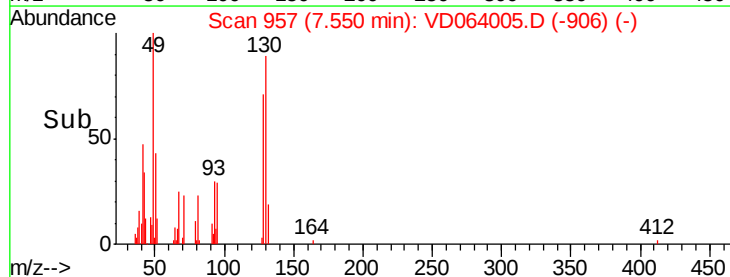
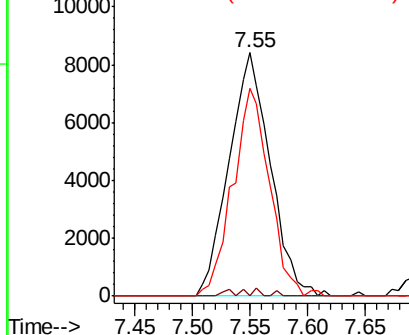
#28

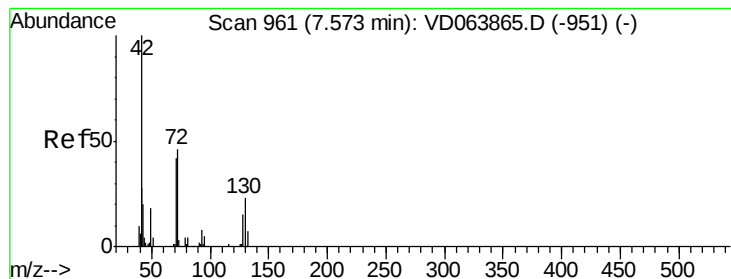
Bromochloromethane
Concen: 19.152 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

Tgt Ion: 49 Resp: 20876
Ion Ratio Lower Upper
49 100
129 0.4 0.0 5.6
130 76.0 66.8 100.2



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





#29

Tetrahydrofuran

Concen: 104.819 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

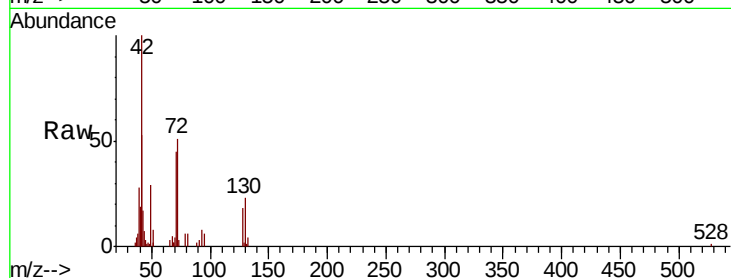
Tot Ion: 42 Resp: 32060

Ion Ratio Lower Upper

42 100

72 46.0 37.6 56.4

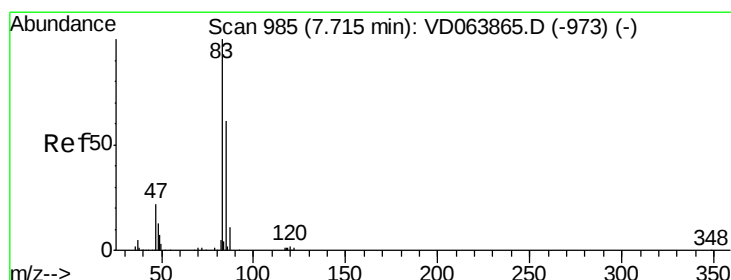
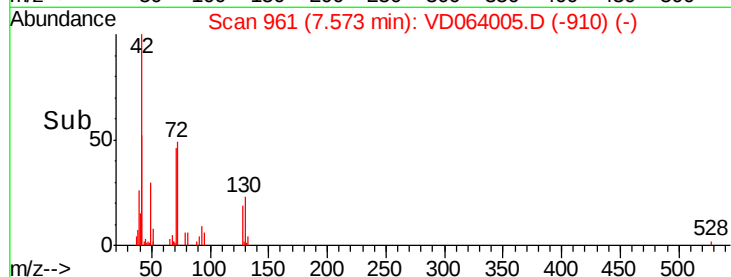
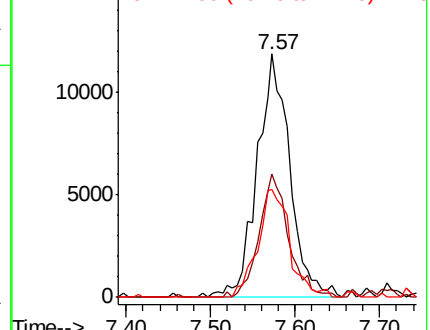
71 43.7 35.0 52.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 19.968 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD064005.D

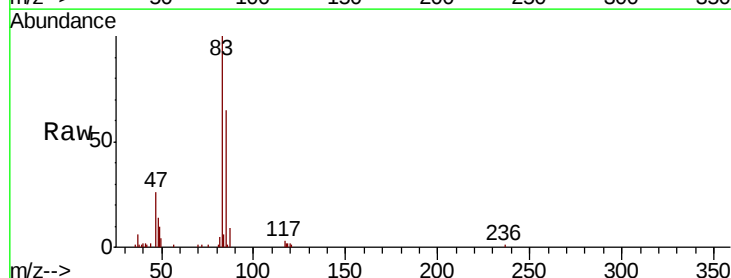
Acq: 18 Oct 2019 12:32

Tgt Ion: 83 Resp: 66316

Ion Ratio Lower Upper

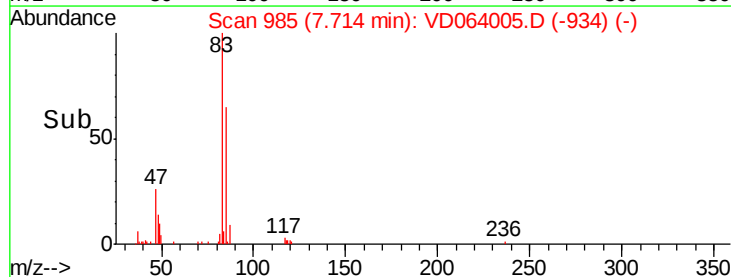
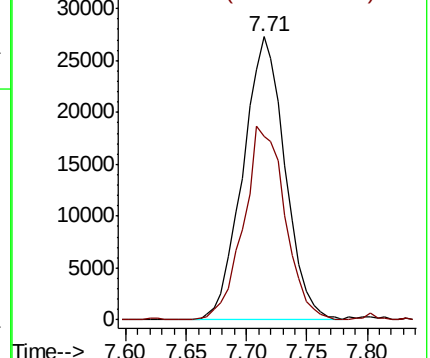
83 100

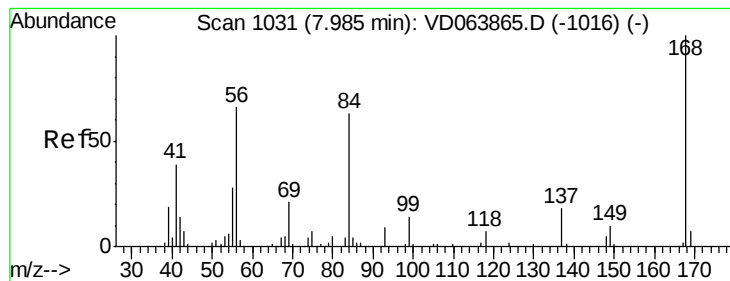
85 65.0 48.9 73.3



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 22.082 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

Instrument :
MSVOA_D
ClientSampled :

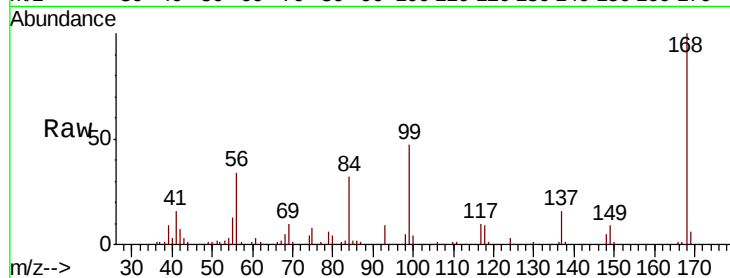
Tot Ion: 56 Resp: 61458

Ion Ratio Lower Upper

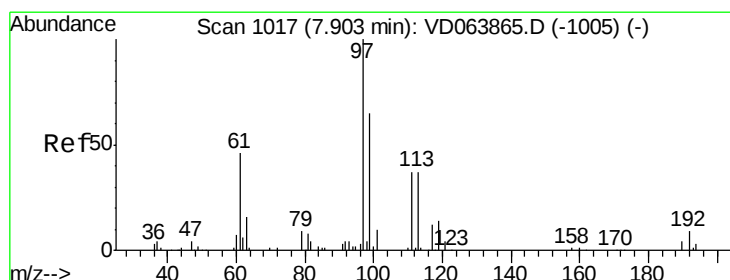
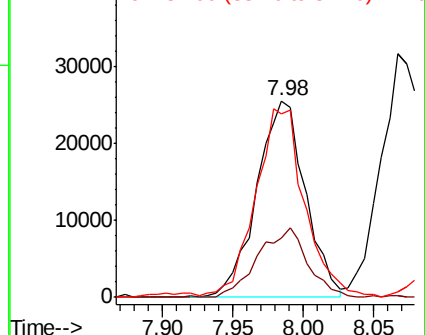
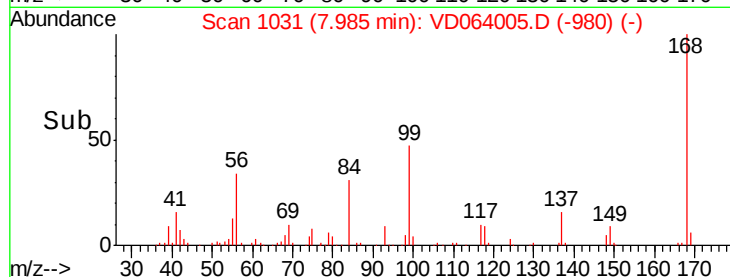
56 100

69 29.6 25.0 37.4

84 91.5 76.3 114.5



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



#32

1,1,1-Trichloroethane

Concen: 21.038 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

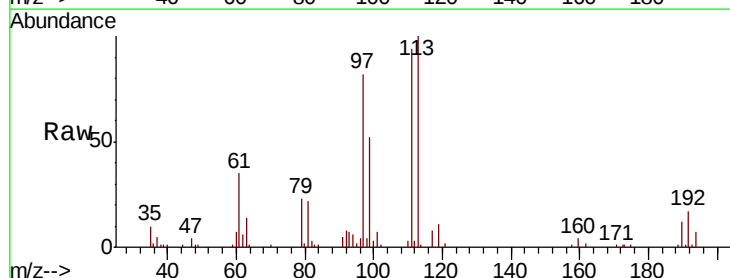
Tgt Ion: 97 Resp: 59934

Ion Ratio Lower Upper

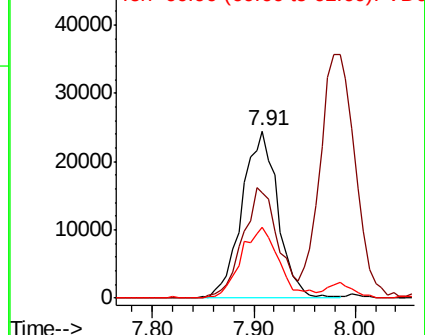
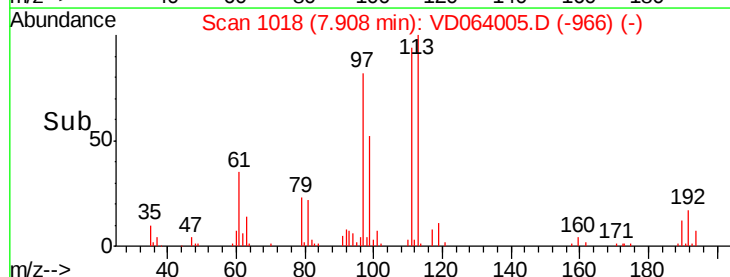
97 100

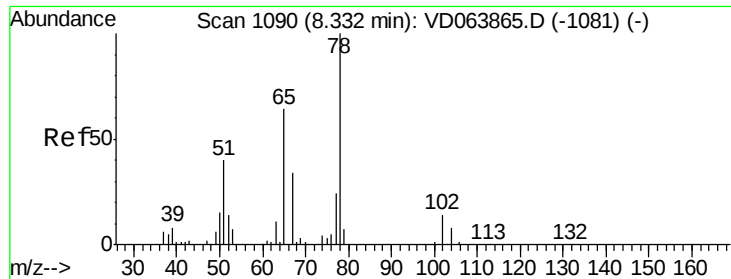
99 65.4 52.4 78.6

61 45.1 33.8 50.8



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





#33

1,2-Dichloroethane-d4

Concen: 49.106 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

Instrument :

MSVOA_D

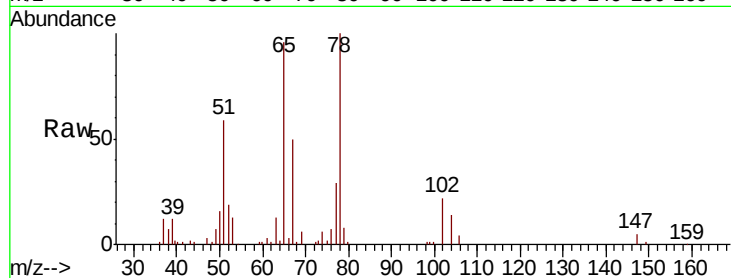
ClientSampleId :

Tot Ion: 65 Resp: 83399

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

40000

30000

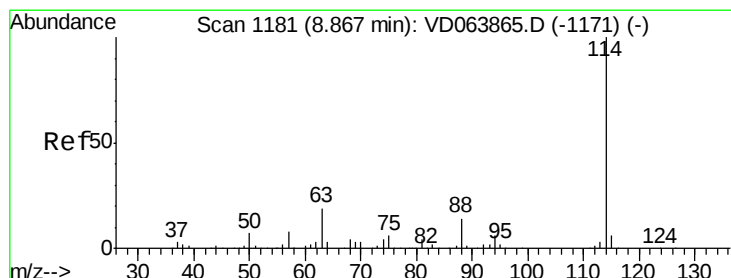
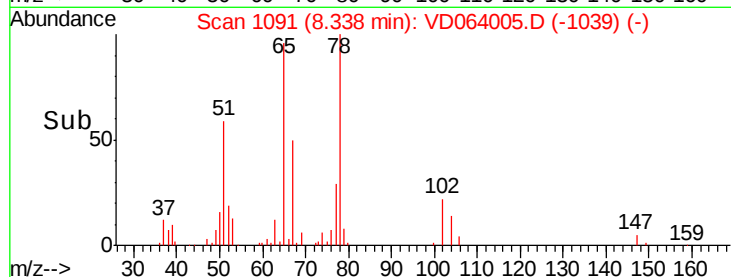
20000

10000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

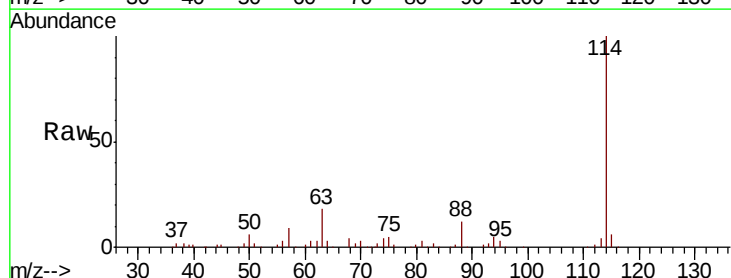
Tgt Ion: 114 Resp: 272168

Ion Ratio Lower Upper

114 100

63 17.6 0.0 38.4

88 12.5 0.0 27.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

150000

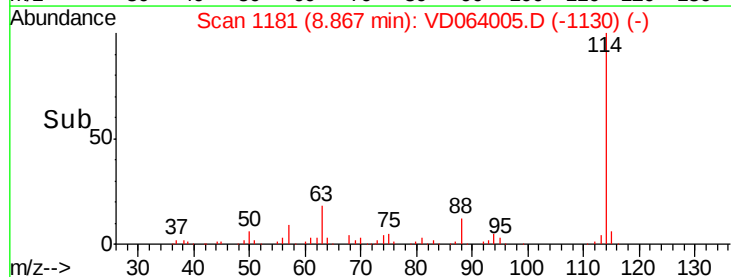
100000

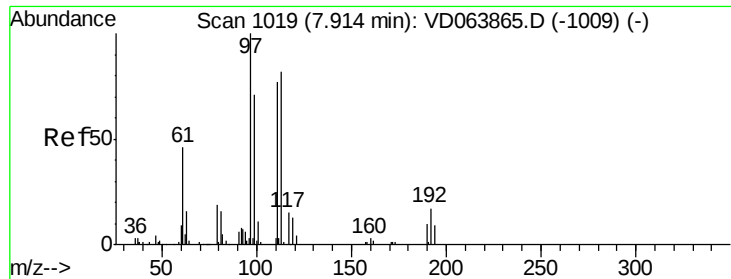
50000

0

8.75 8.80 8.85 8.90 8.95

Time-->

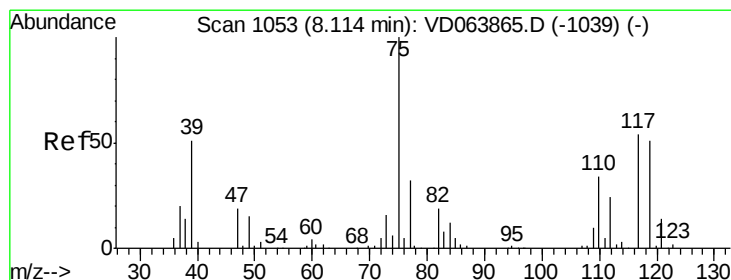
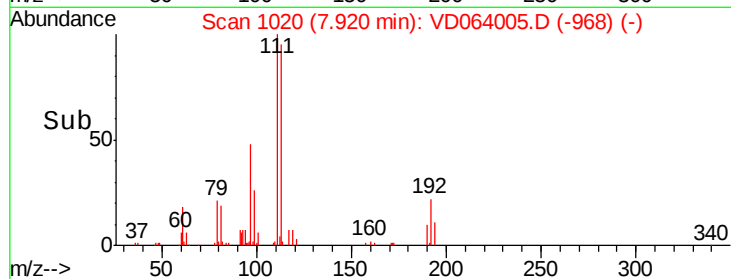
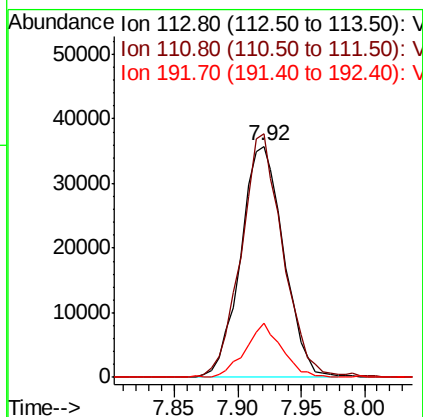
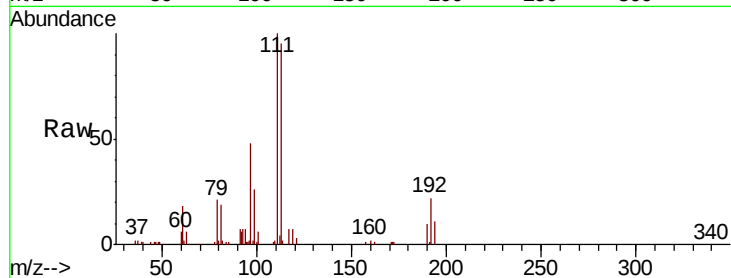




#35
 Dibromofluoromethane
 Concen: 50.714 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064005.D
 Acq: 18 Oct 2019 12:32

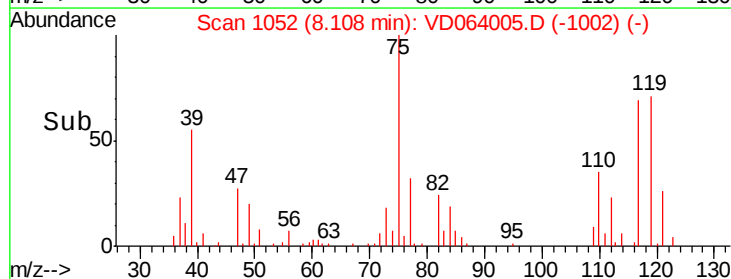
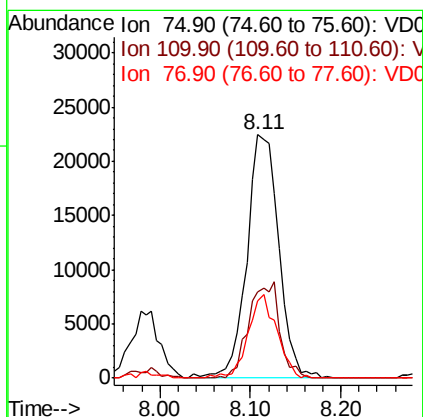
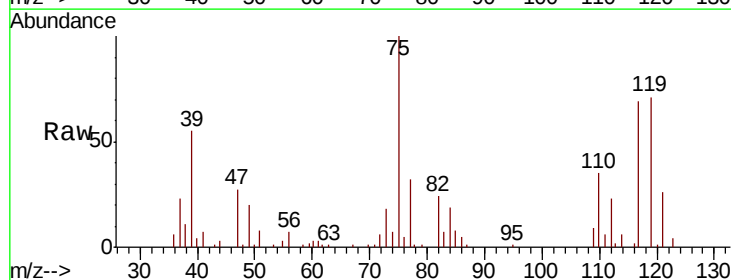
Instrument :
 MSVOA_D
 ClientSampleId :

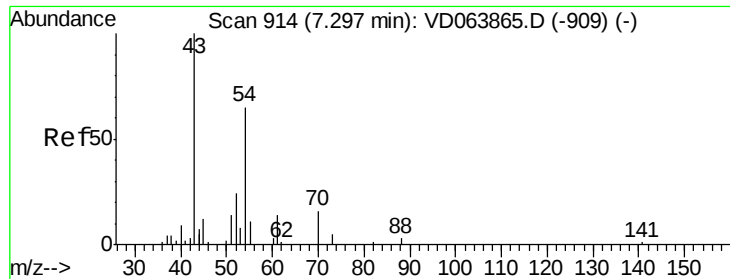
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.6	123.8
192	20.0	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 22.038 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064005.D
 Acq: 18 Oct 2019 12:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.9	17.4	52.3
77	30.8	25.4	38.0

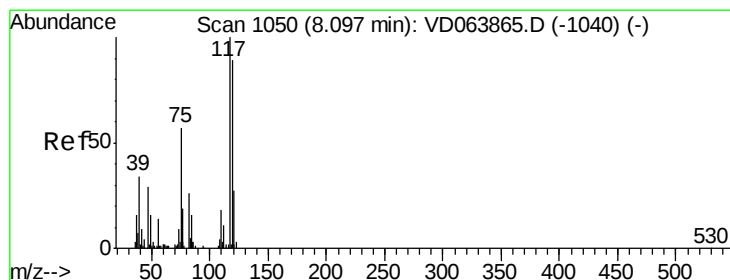
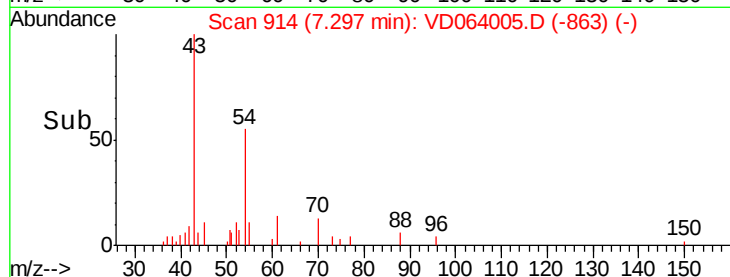
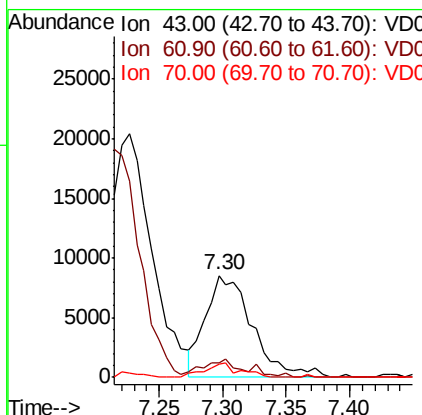
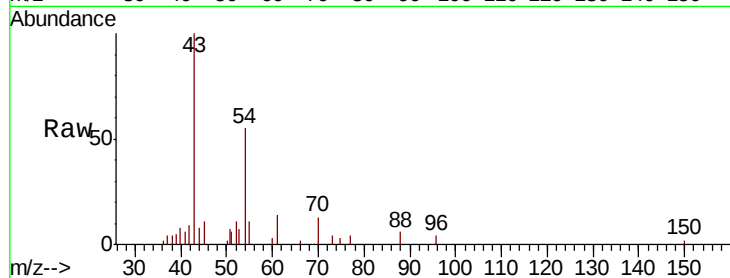




#37
Ethyl Acetate
Concen: 19.616 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

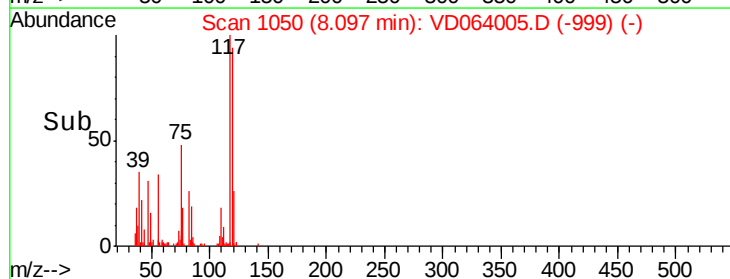
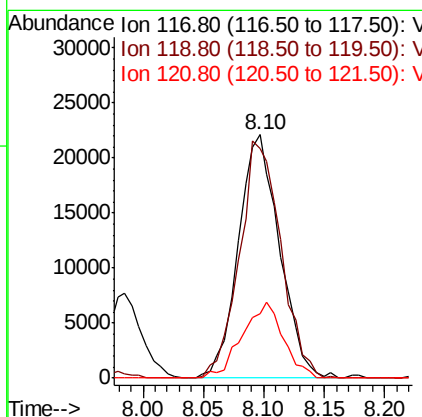
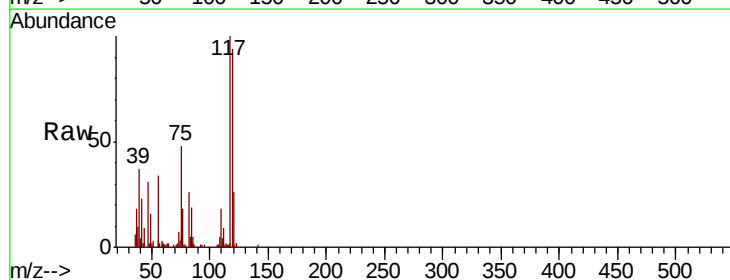
Instrument :
MSVOA_D
ClientSampled :

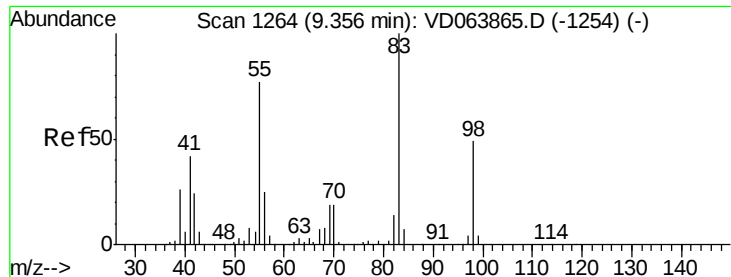
Tot Ion: 43 Resp: 21992
Ion Ratio Lower Upper
43 100
61 8.5 11.5 17.3#
70 10.1 8.2 12.4



#38
Carbon Tetrachloride
Concen: 20.884 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

Tgt Ion: 117 Resp: 52518
Ion Ratio Lower Upper
117 100
119 94.5 70.8 106.2
121 26.3 21.4 32.0

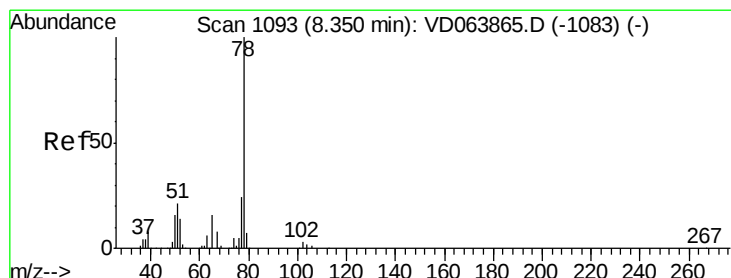
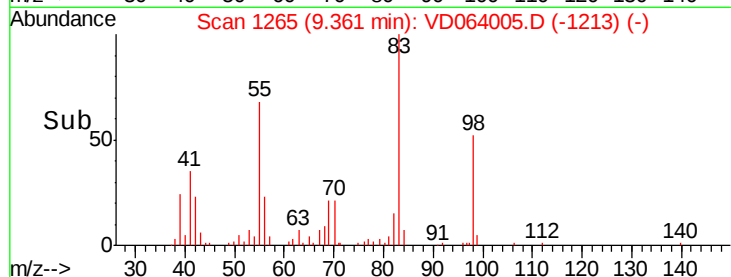
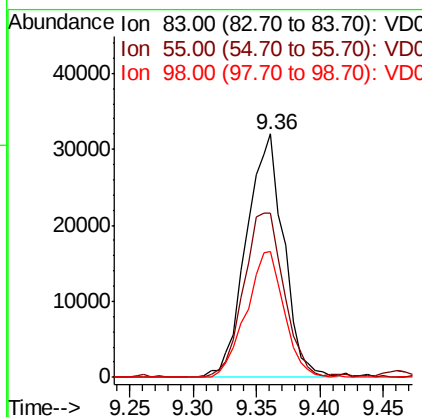
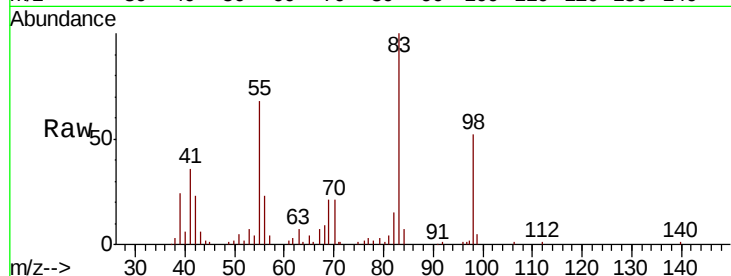




#39
Methvlcvclohexane
Concen: 21.443 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

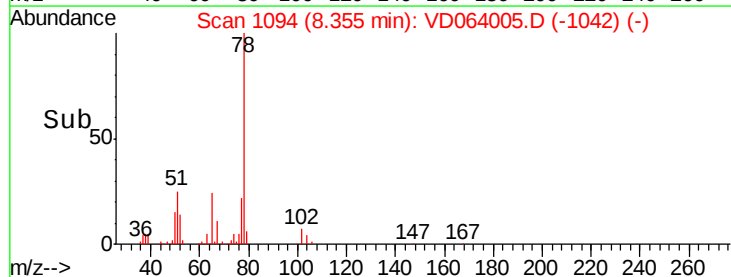
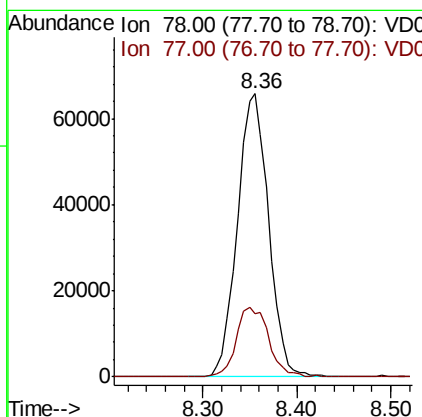
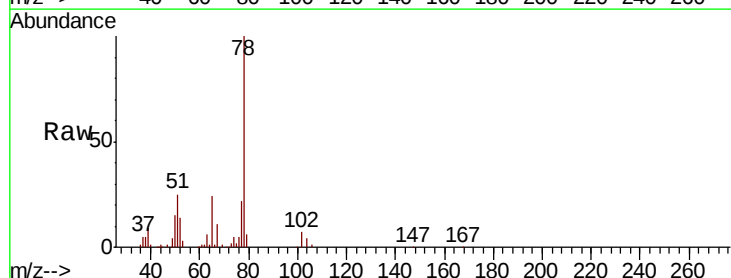
Instrument :
MSVOA_D
ClientSampleId :

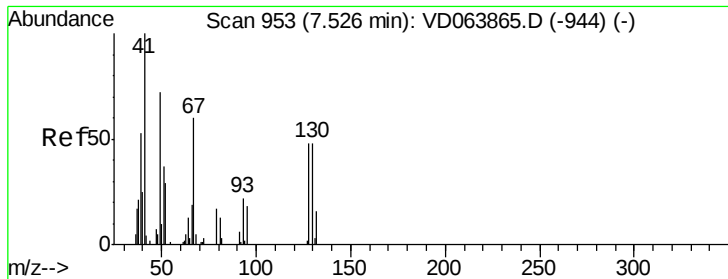
Tot Ion: 83 Resp: 65611
Ion Ratio Lower Upper
83 100
55 67.7 61.3 91.9
98 51.7 39.3 58.9



#40
Benzene
Concen: 21.187 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

Tgt Ion: 78 Resp: 151093
Ion Ratio Lower Upper
78 100
77 22.5 19.0 28.6





#41

Methacrylonitrile

Concen: 25.207 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.00 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 14543

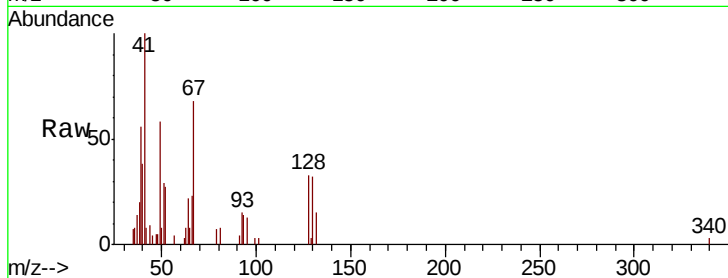
Ion Ratio Lower Upper

41 100

39 41.5 52.6 78.8#

67 70.2 74.2 111.2#

52 34.2 34.0 51.0

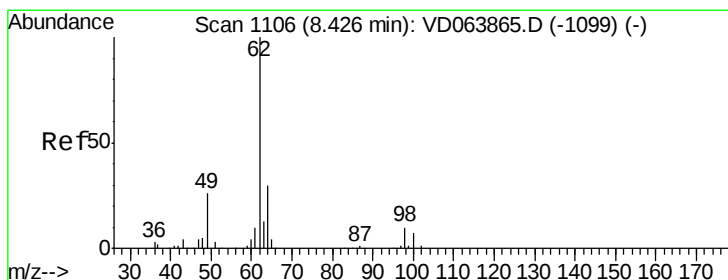
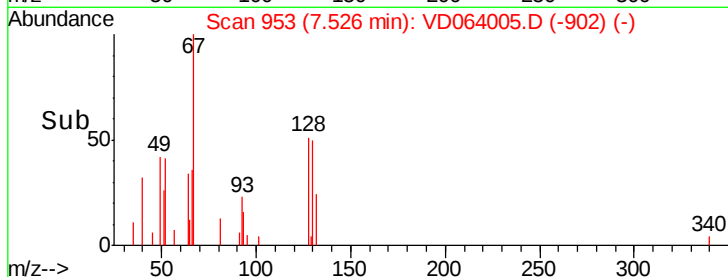
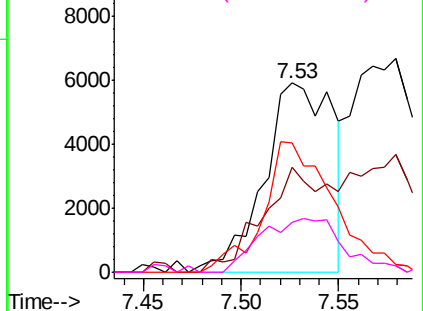


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.603 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD064005.D

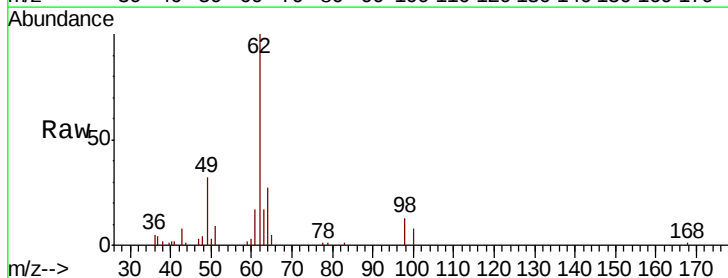
Acq: 18 Oct 2019 12:32

Tgt Ion: 62 Resp: 42500

Ion Ratio Lower Upper

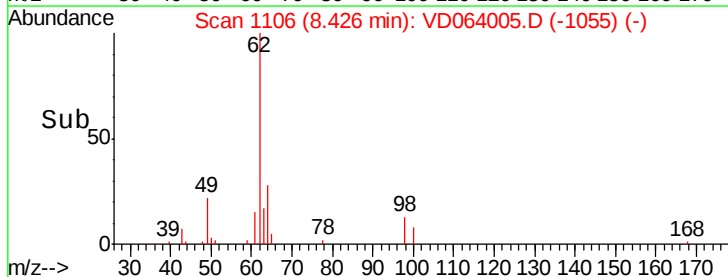
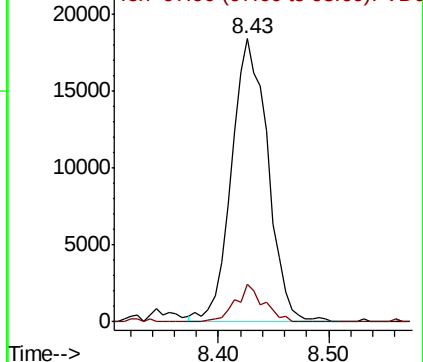
62 100

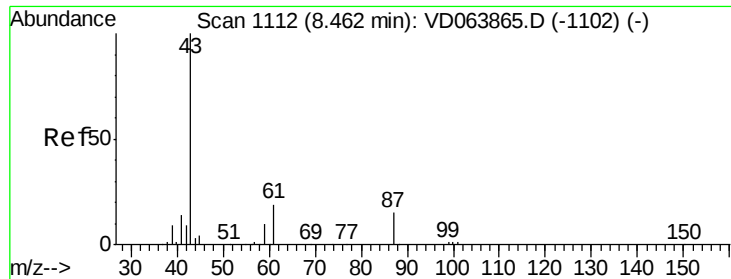
98 10.3 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.165 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

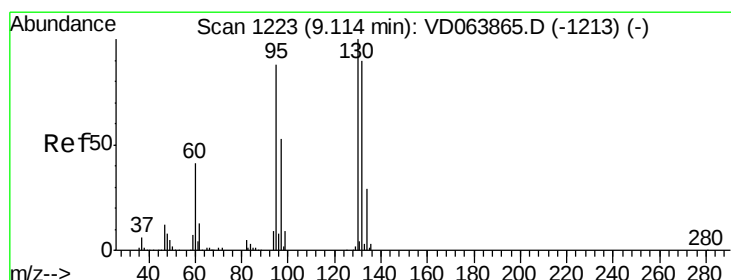
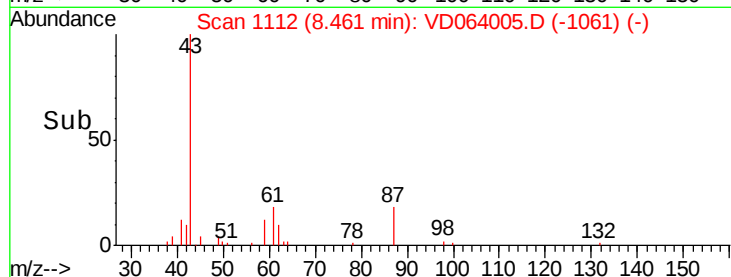
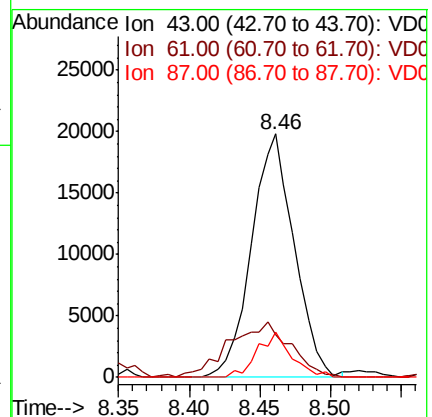
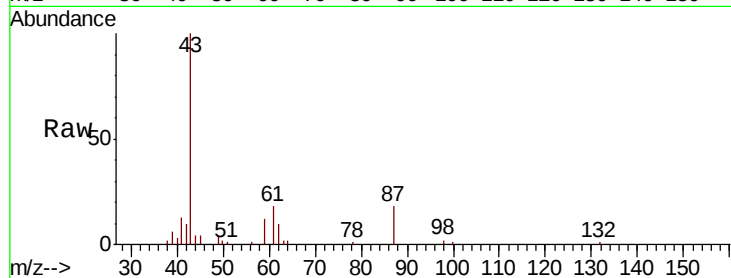
Tot Ion: 43 Resp: 42083

Ion Ratio Lower Upper

43 100

61 32.5 25.7 38.5

87 14.9 11.6 17.4



#44

Trichloroethene

Concen: 21.328 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064005.D

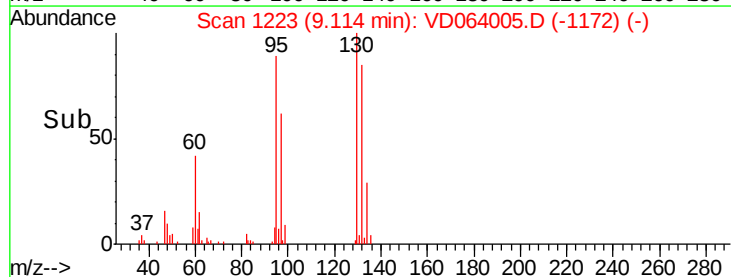
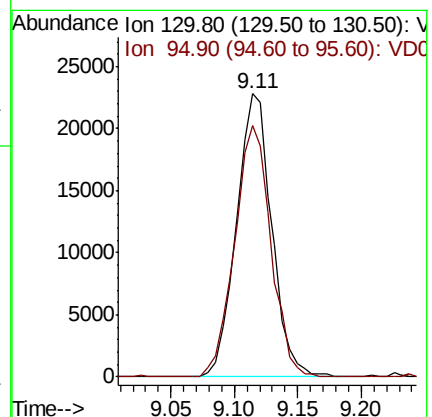
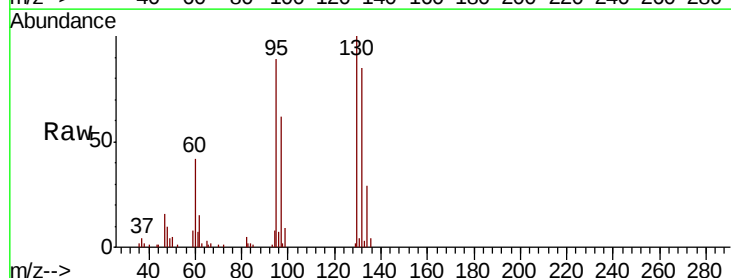
Acq: 18 Oct 2019 12:32

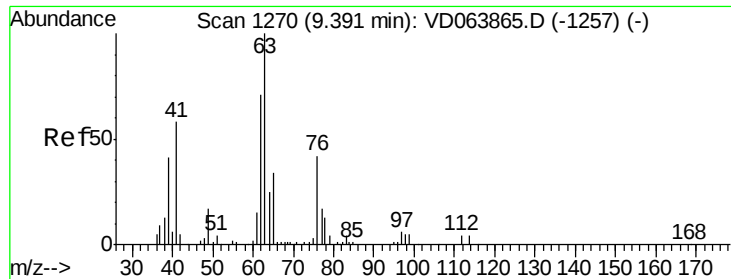
Tgt Ion:130 Resp: 43858

Ion Ratio Lower Upper

130 100

95 89.0 0.0 175.6





#45

1,2-Dichloropropane

Concen: 20.856 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

Instrument :

MSVOA_D

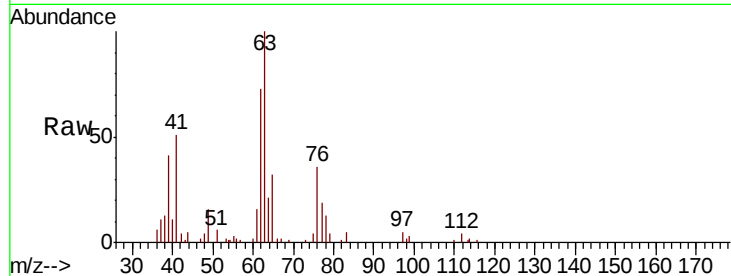
ClientSampled :

Tot Ion: 63 Resp: 36404

Ion Ratio Lower Upper

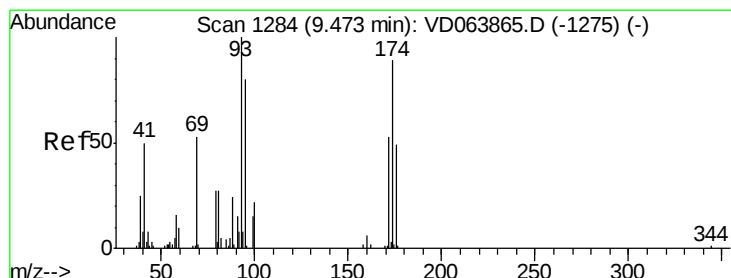
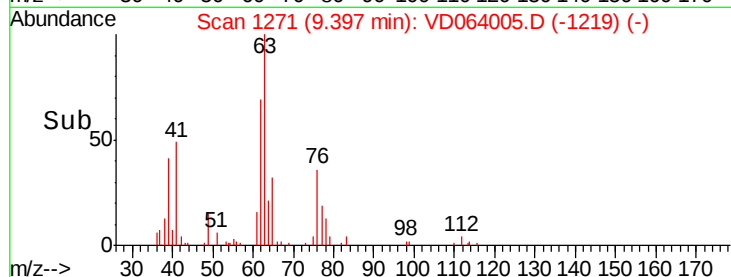
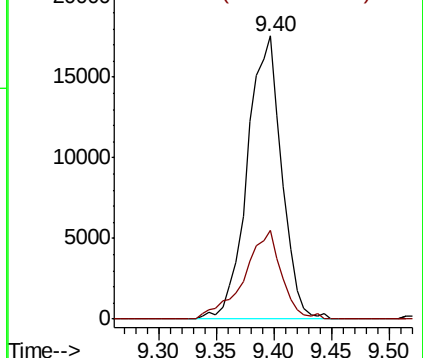
63 100

65 31.5 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: 19.945 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

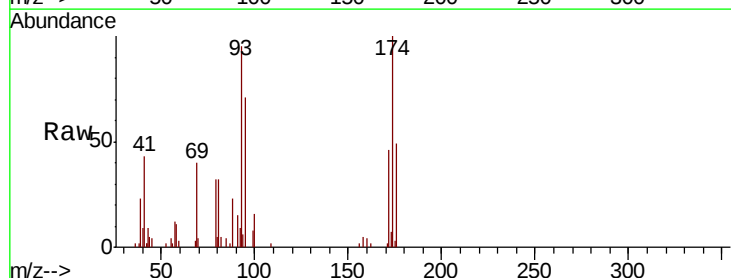
Tgt Ion: 93 Resp: 19827

Ion Ratio Lower Upper

93 100

95 86.9 66.0 99.0

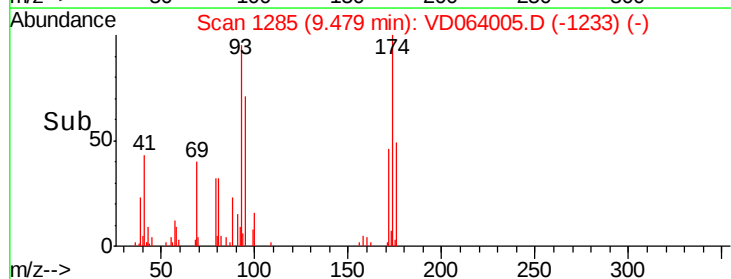
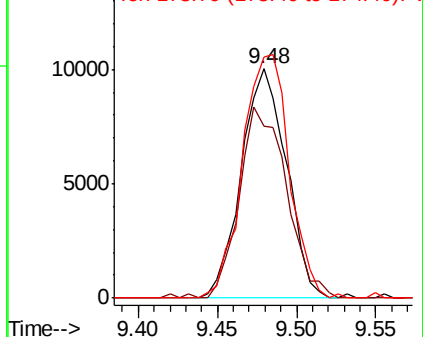
174 110.2 83.4 125.0

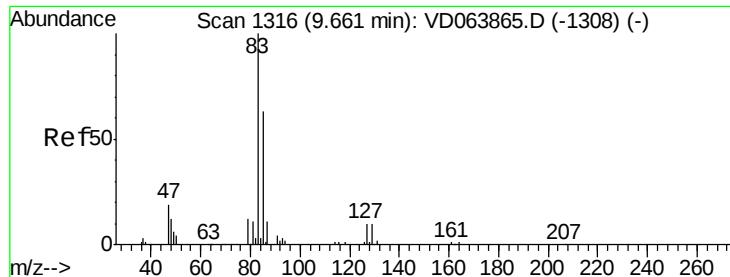


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 19.933 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

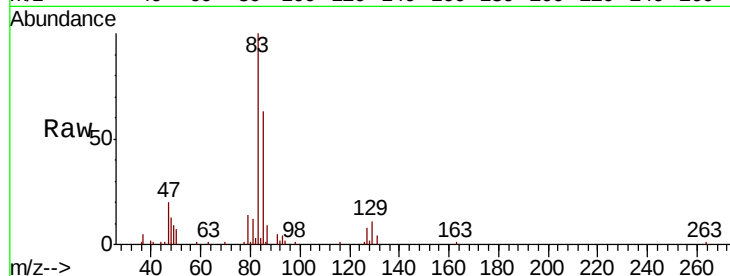
Tot Ion: 83 Resp: 51016

Ion Ratio Lower Upper

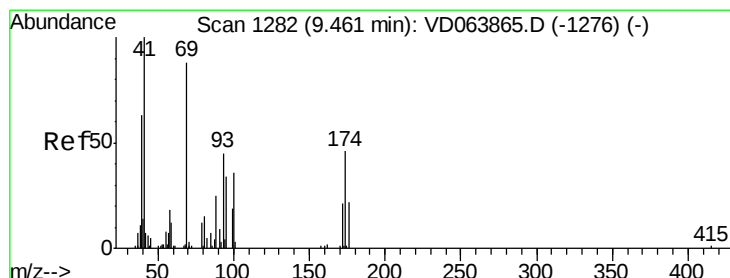
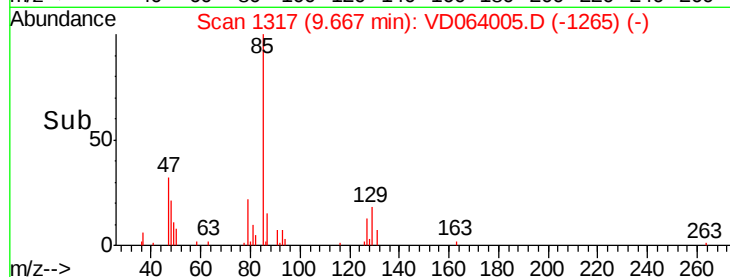
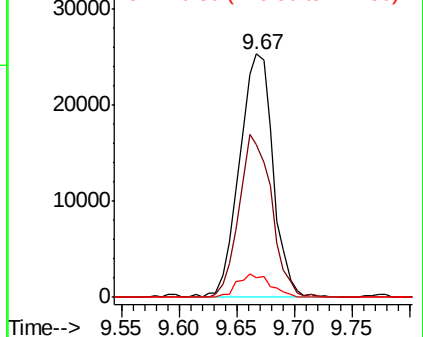
83 100

85 62.9 50.2 75.2

127 8.1 7.6 11.4



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



#48

Methyl methacrylate

Concen: 18.697 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

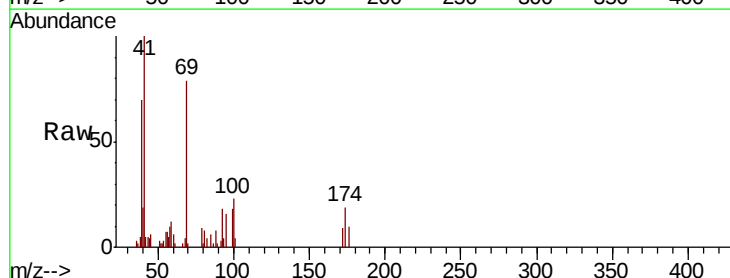
Tgt Ion: 41 Resp: 18696

Ion Ratio Lower Upper

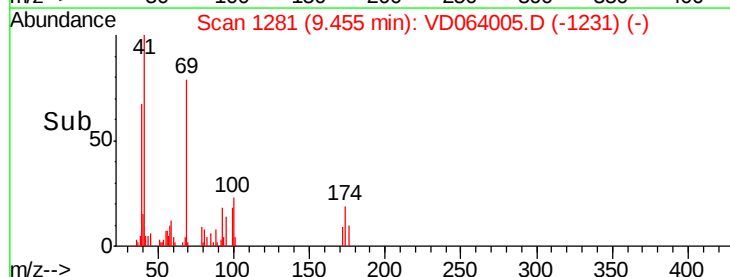
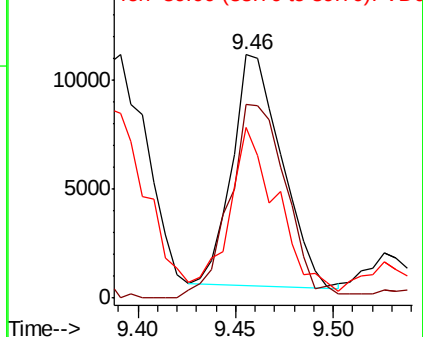
41 100

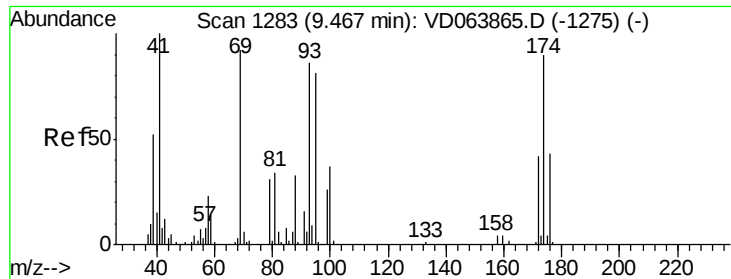
69 95.8 75.1 112.7

39 66.2 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

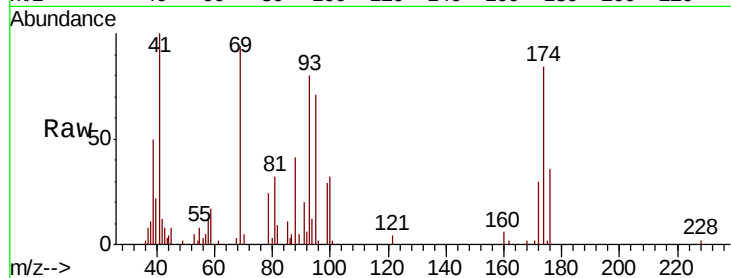




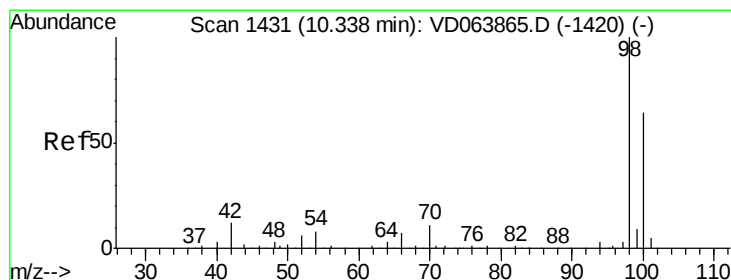
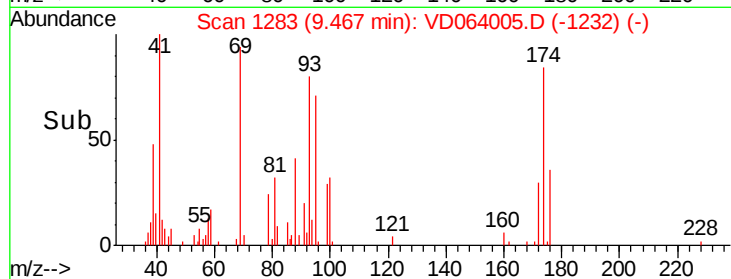
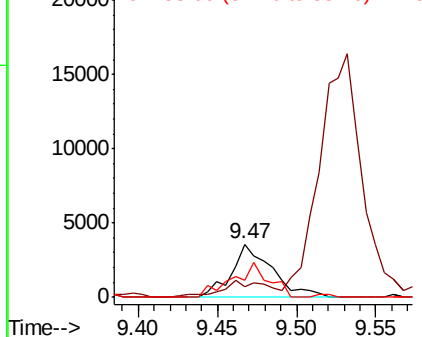
#49
1,4-Dioxane
Concen: 468.490 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 6357
Ion Ratio Lower Upper
88 100
43 35.4 27.6 41.4
58 57.3 54.1 81.1

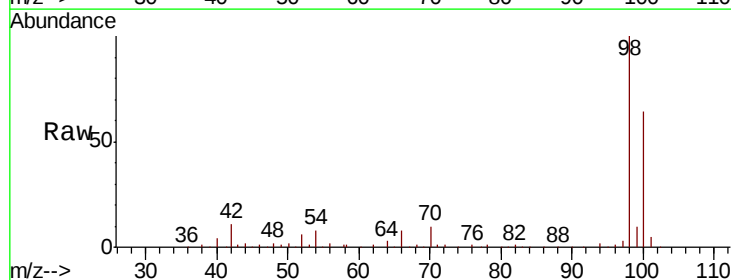


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

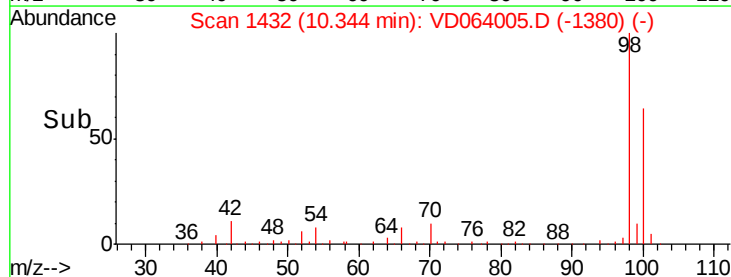
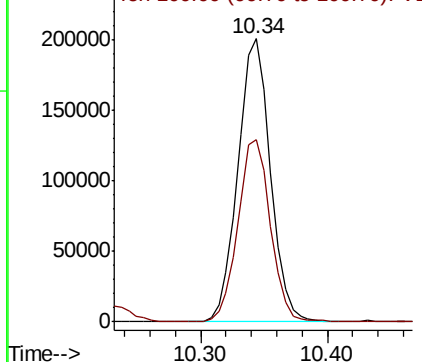


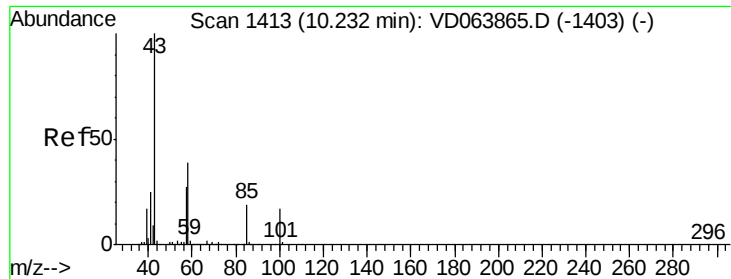
#50
Toluene-d8
Concen: 52.806 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

Tgt Ion: 98 Resp: 356500
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

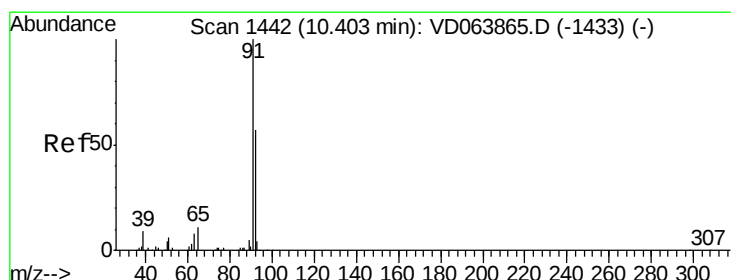
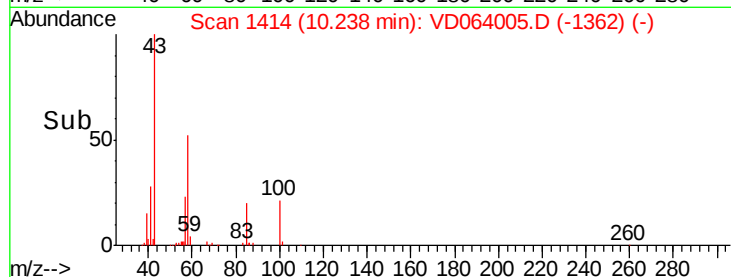
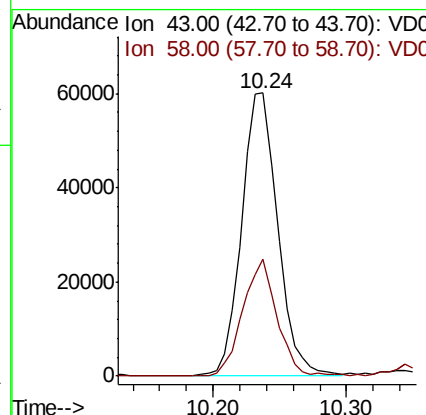
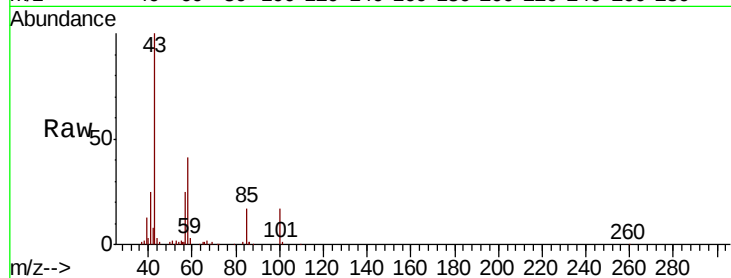




#51
 4-Methyl-2-Pentanone
 Concen: 104.138 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. 0.01 min
 Lab File: VD064005.D
 Acq: 18 Oct 2019 12:32

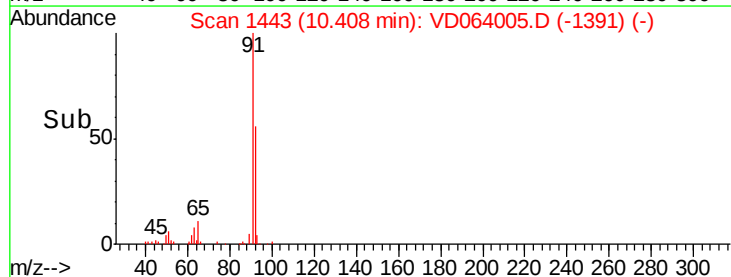
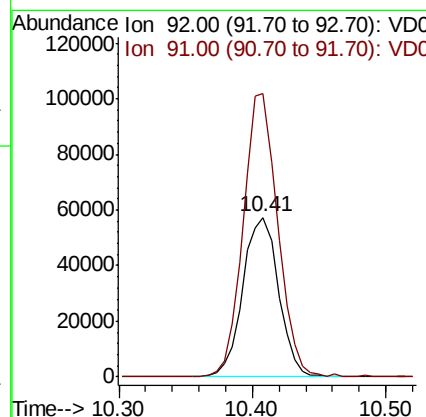
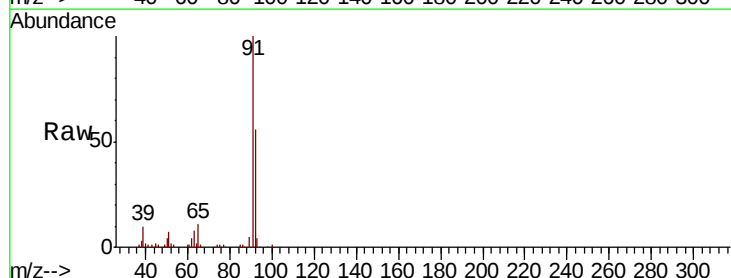
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 112712
 Ion Ratio Lower Upper
 43 100
 58 38.9 33.0 49.4



#52
 Toluene
 Concen: 21.674 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: VD064005.D
 Acq: 18 Oct 2019 12:32

Tgt Ion: 92 Resp: 106106
 Ion Ratio Lower Upper
 92 100
 91 171.9 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 19.447 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

Instrument :

MSVOA_D

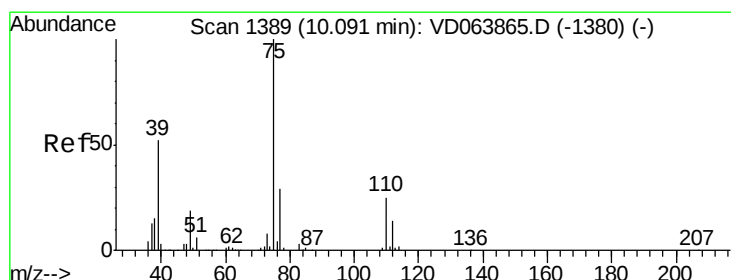
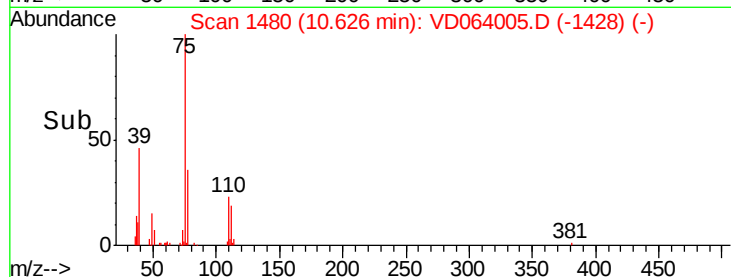
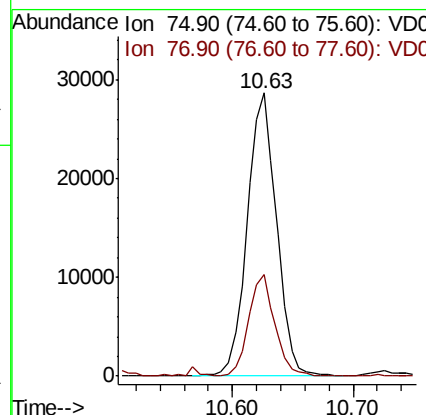
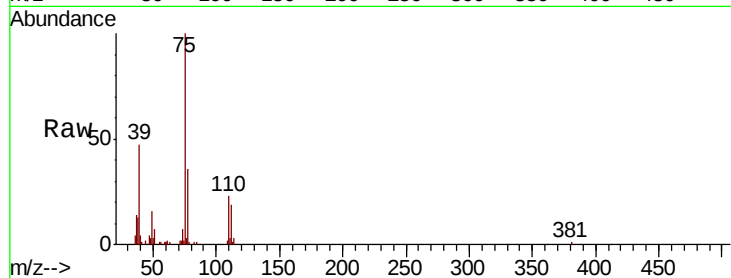
ClientSampleId :

Tot Ion: 75 Resp: 48568

Ion Ratio Lower Upper

75 100

77 35.8 22.8 34.2#



#54

cis-1,3-Dichloropropene

Concen: 20.619 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

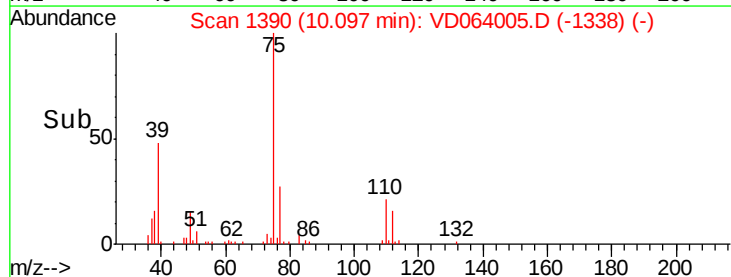
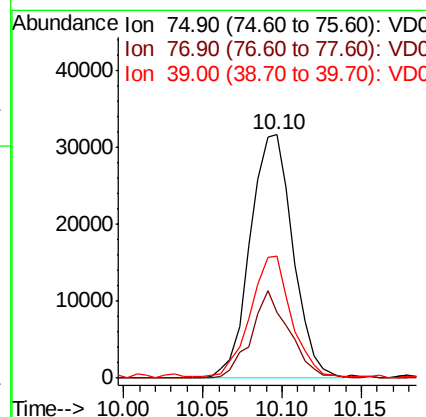
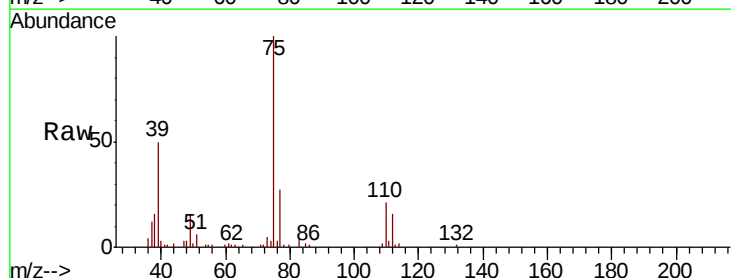
Tgt Ion: 75 Resp: 59276

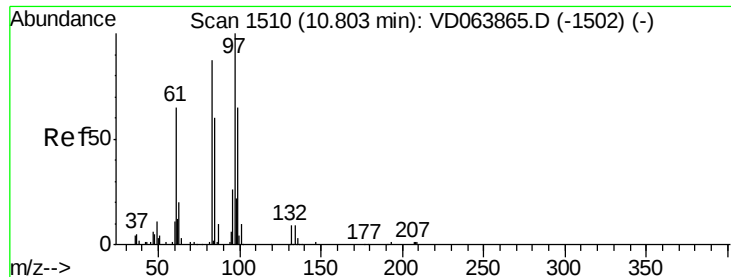
Ion Ratio Lower Upper

75 100

77 26.8 23.2 34.8

39 49.7 41.5 62.3

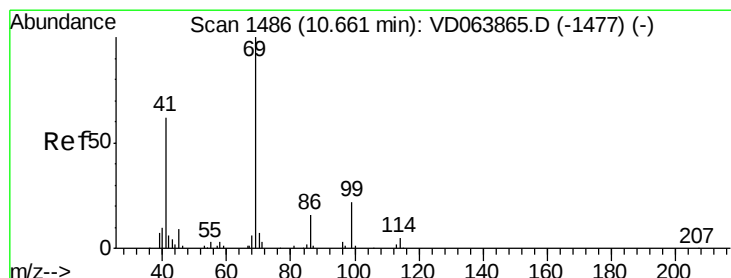
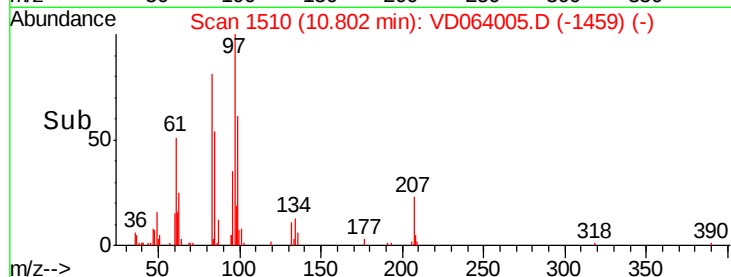
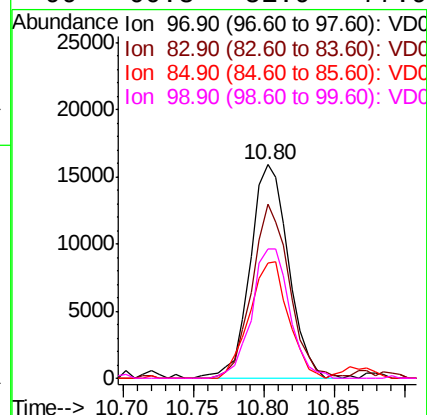
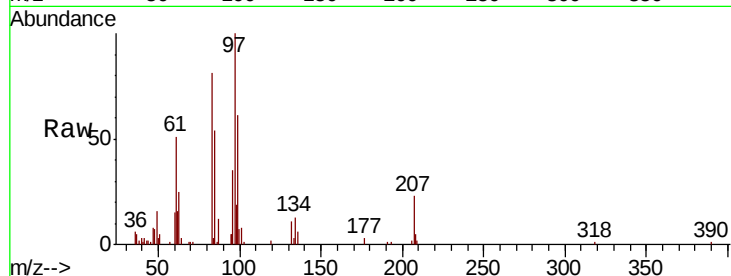




#55
 1,1,2-Trichloroethane
 Concen: 21.654 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064005.D
 Acq: 18 Oct 2019 12:32

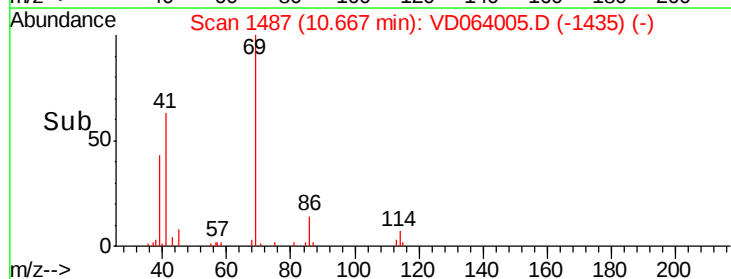
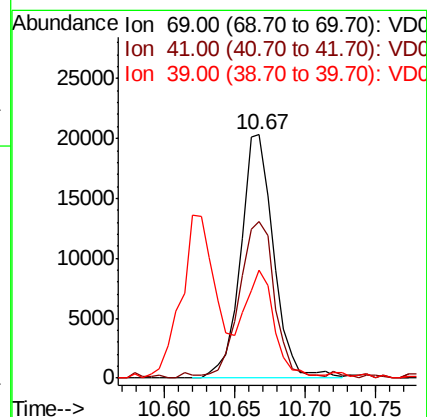
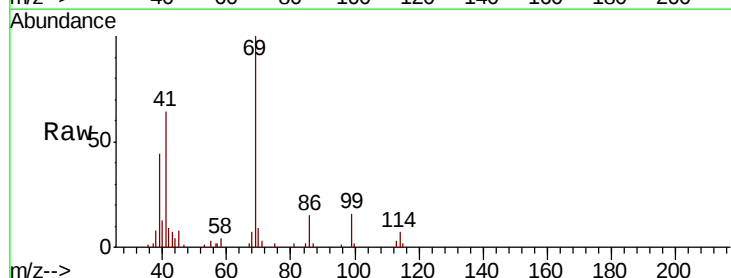
Instrument :
 MSVOA_D
 ClientSampleID :

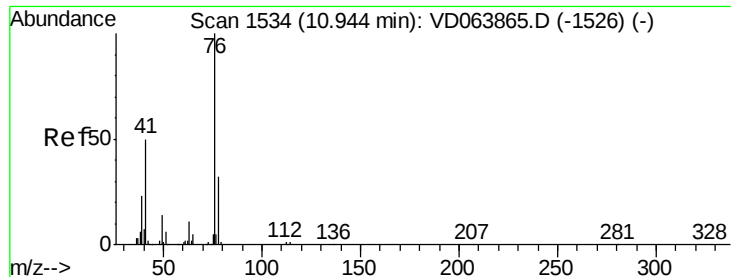
Tot Ion	97	Resp	30393
Ion	Ratio	Lower	Upper
97	100		
83	81.4	69.7	104.5
85	54.2	48.1	72.1
99	60.8	51.9	77.9



#56
 Ethyl methacrylate
 Concen: 18.606 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064005.D
 Acq: 18 Oct 2019 12:32

Tgt Ion	69	Resp	33072
Ion	Ratio	Lower	Upper
69	100		
41	66.2	51.3	76.9
39	39.3	28.0	42.0





#57

1,3-Dichloropropane

Concen: 20.763 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

Instrument :

MSVOA_D

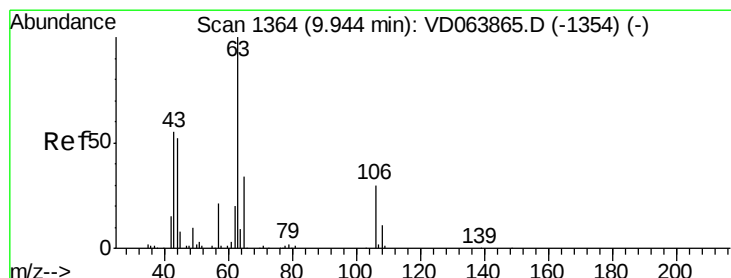
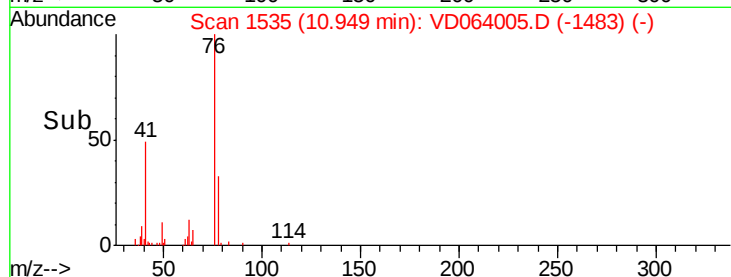
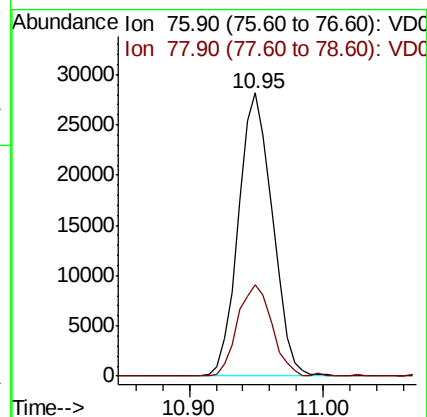
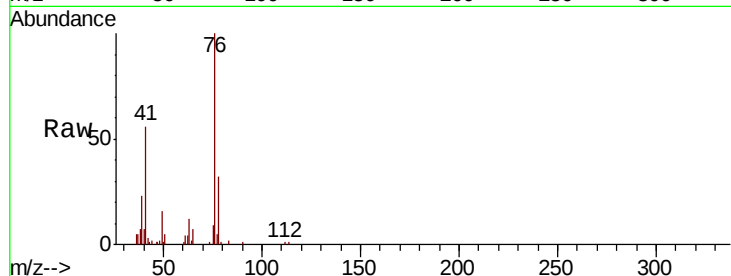
ClientSampleId :

Tot Ion: 76 Resp: 49862

Ion Ratio Lower Upper

76 100

78 32.3 26.6 40.0



#58

2-Chloroethyl Vinyl ether

Concen: 96.197 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD064005.D

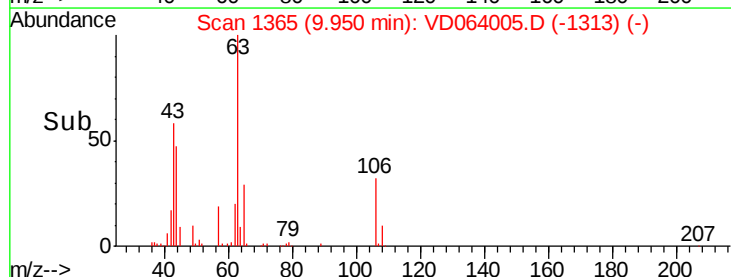
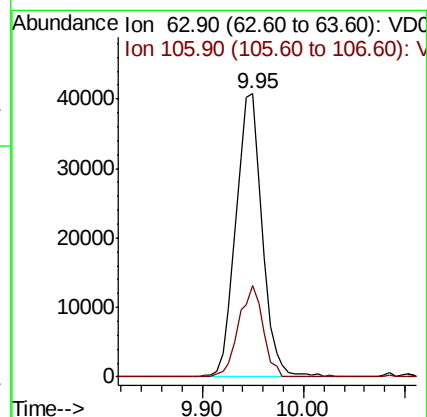
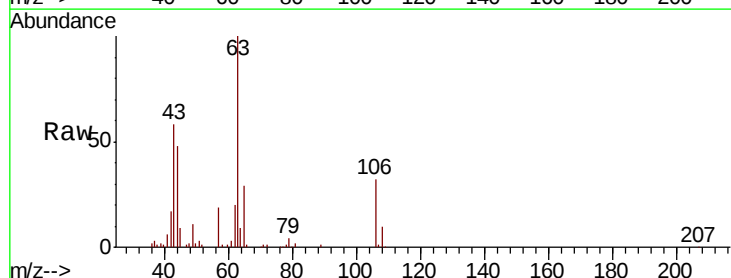
Acq: 18 Oct 2019 12:32

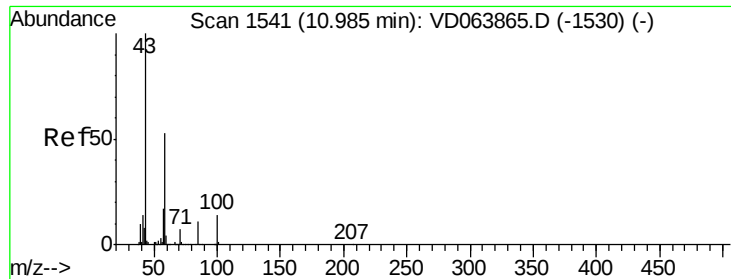
Tgt Ion: 63 Resp: 73496

Ion Ratio Lower Upper

63 100

106 29.9 24.3 36.5

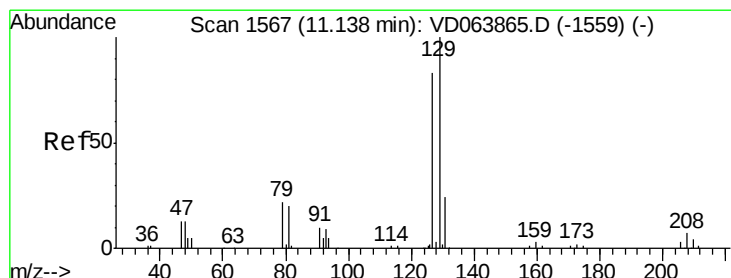
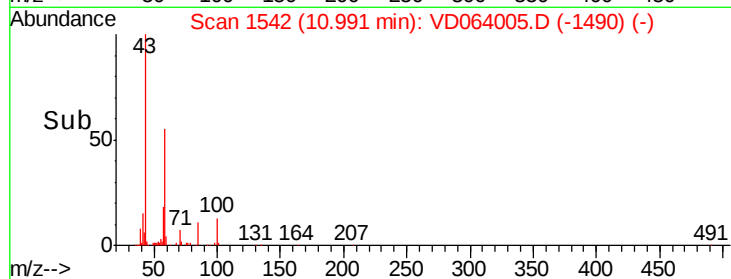
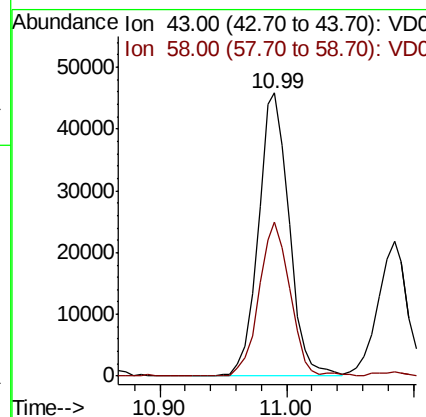
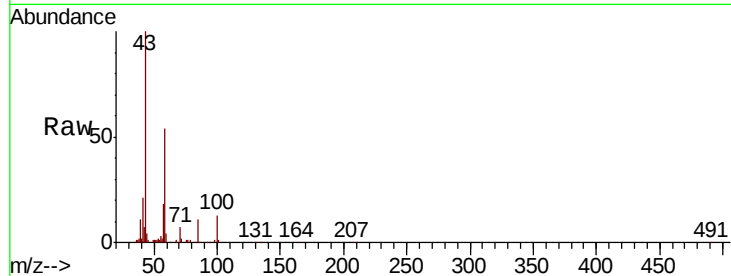




#59
2-Hexanone
Concen: 99.064 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

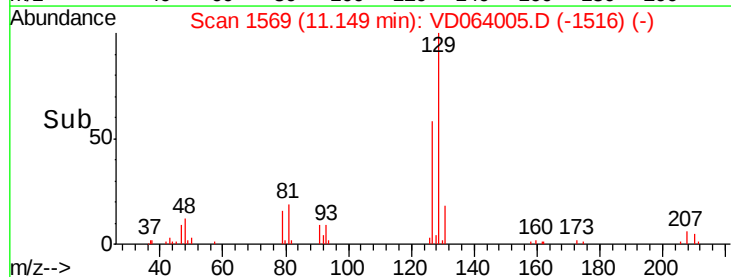
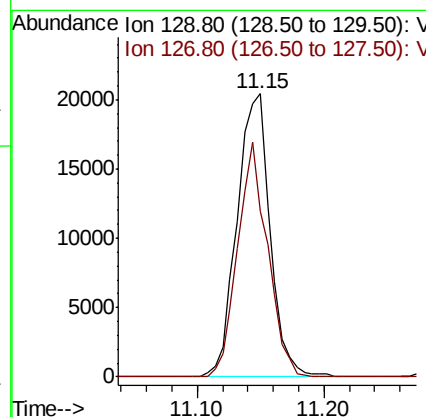
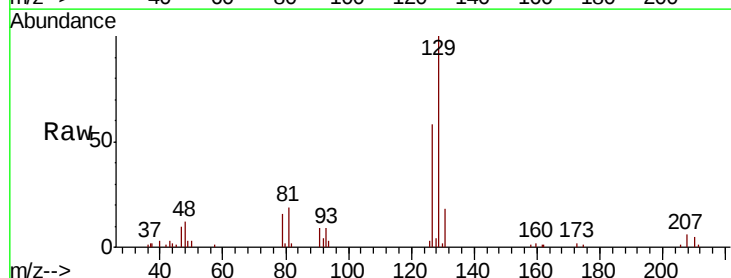
Instrument :
MSVOA_D
ClientSampled :

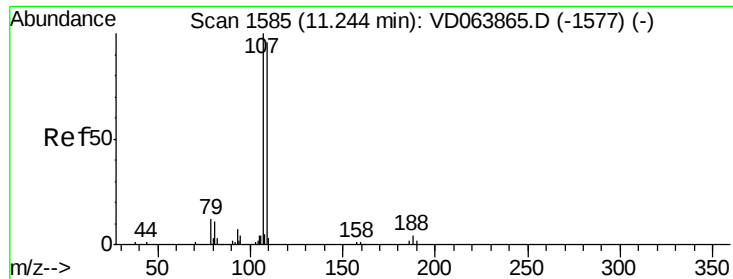
Tot Ion: 43 Resp: 77560
Ion Ratio Lower Upper
43 100
58 54.8 27.7 83.0



#60
Dibromochloromethane
Concen: 20.140 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

Tgt Ion: 129 Resp: 36803
Ion Ratio Lower Upper
129 100
127 75.0 39.9 119.6

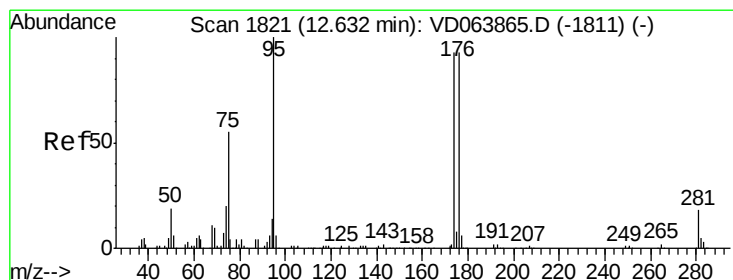
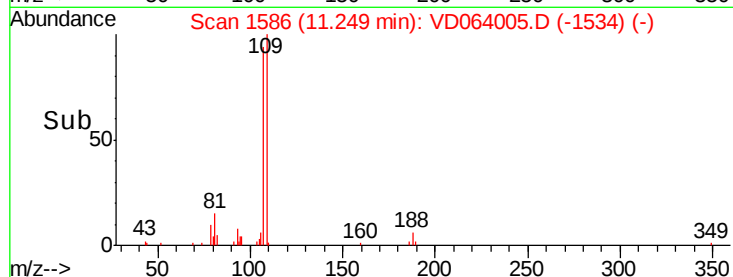
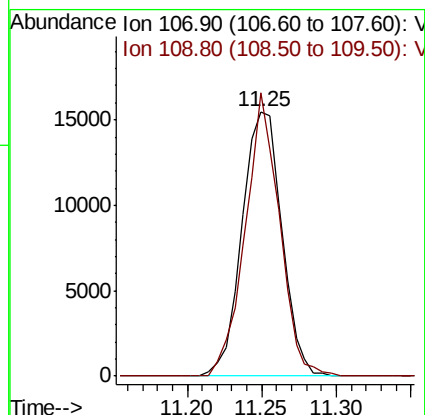
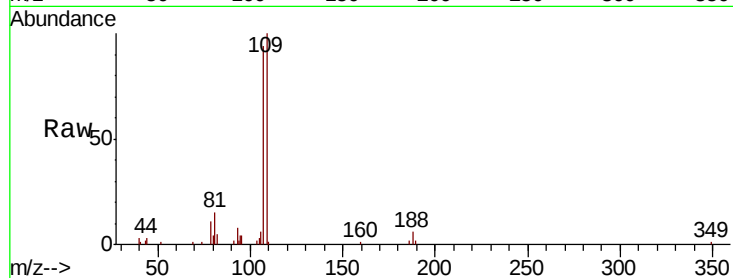




#61
 1,2-Dibromoethane
 Concen: 21.025 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD064005.D
 Acq: 18 Oct 2019 12:32

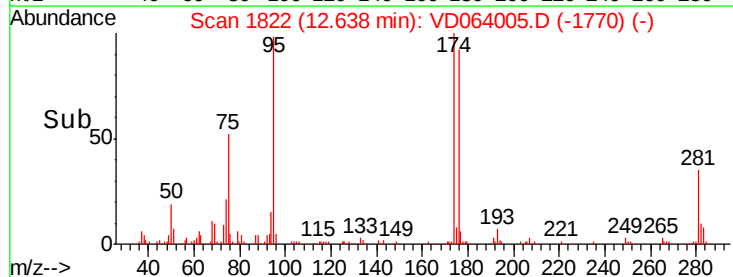
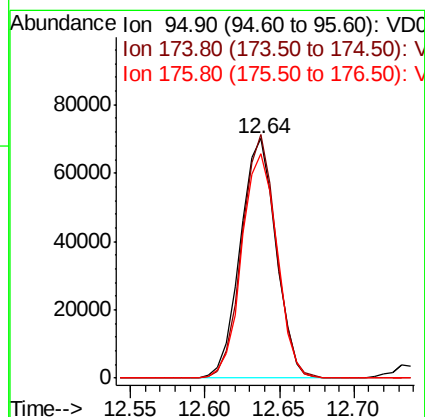
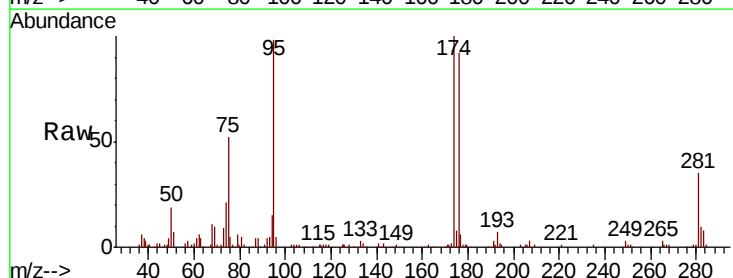
Instrument :
 MSVOA_D
 ClientSampleId :

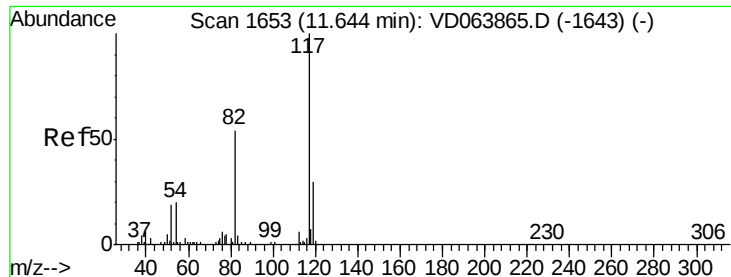
Tot Ion:107 Resp: 28609
 Ion Ratio Lower Upper
 107 100
 109 91.9 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 49.514 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD064005.D
 Acq: 18 Oct 2019 12:32

Tgt Ion: 95 Resp: 116160
 Ion Ratio Lower Upper
 95 100
 174 97.4 0.0 186.4
 176 92.8 0.0 184.2

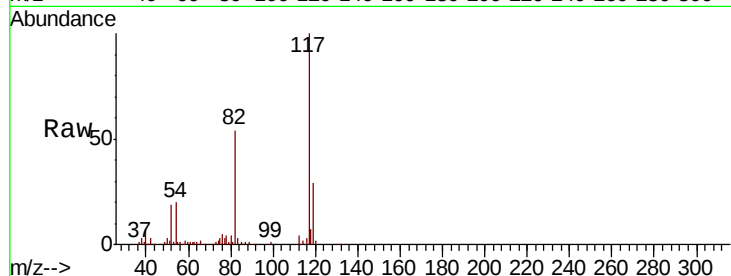




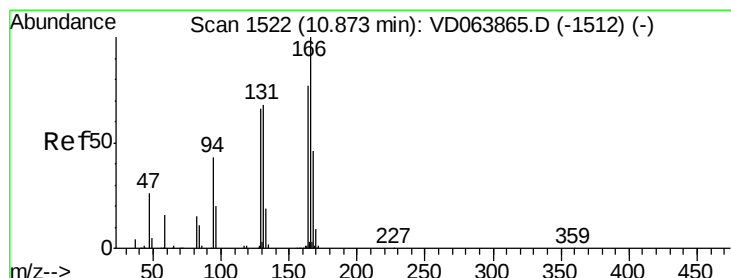
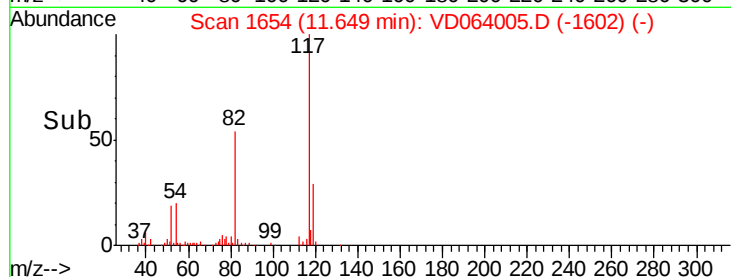
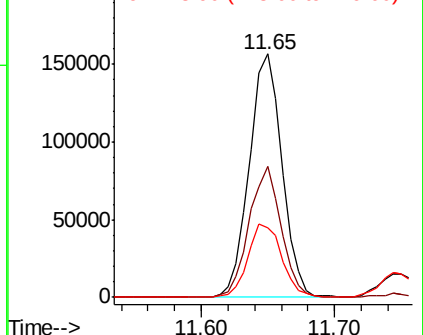
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 264922
Ion Ratio Lower Upper
117 100
82 53.6 42.8 64.2
119 28.6 24.4 36.6



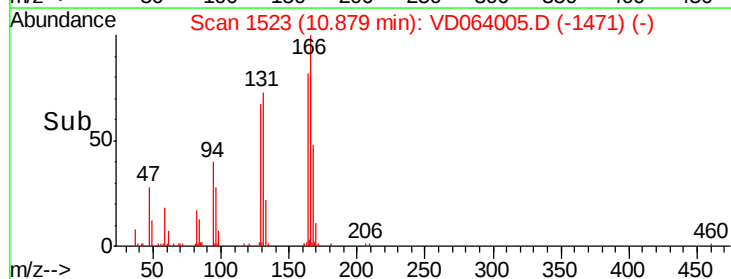
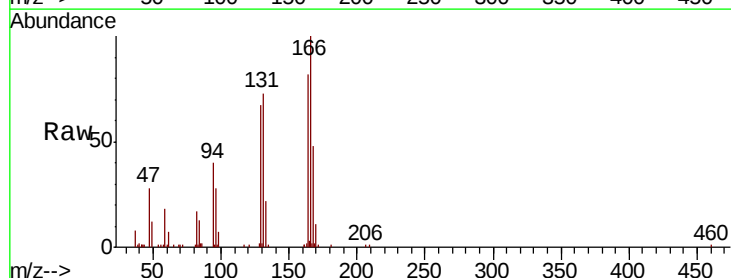
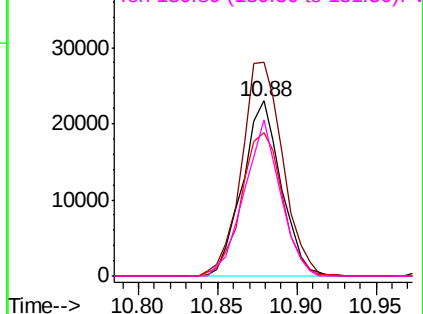
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VD
Ion 118.90 (118.60 to 119.60): V

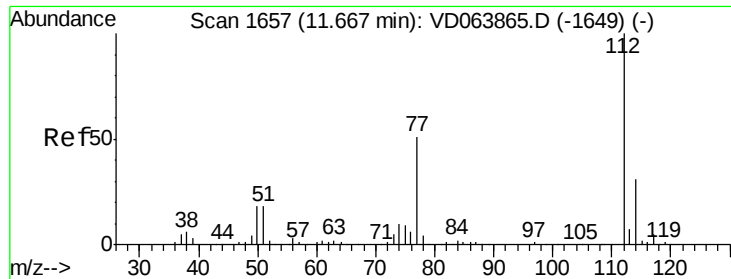


#64
Tetrachloroethene
Concen: 21.446 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

Tgt Ion:164 Resp: 38787
Ion Ratio Lower Upper
164 100
166 122.0 103.8 155.6
129 82.0 68.9 103.3
131 89.4 70.9 106.3

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

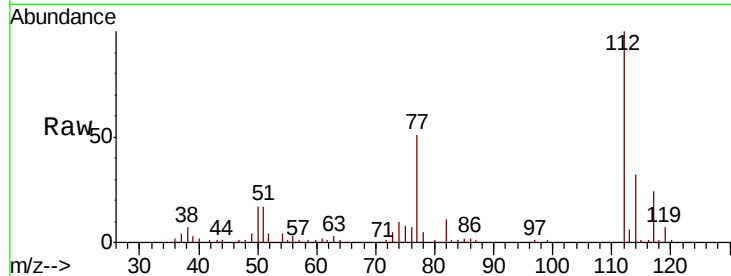




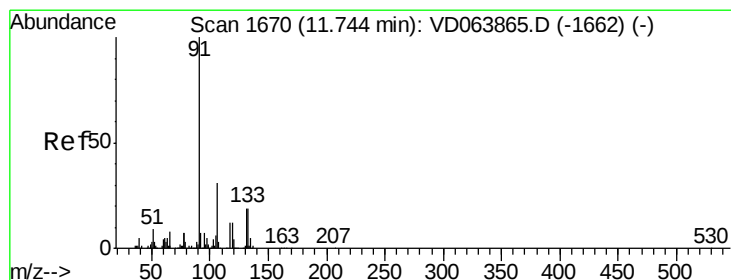
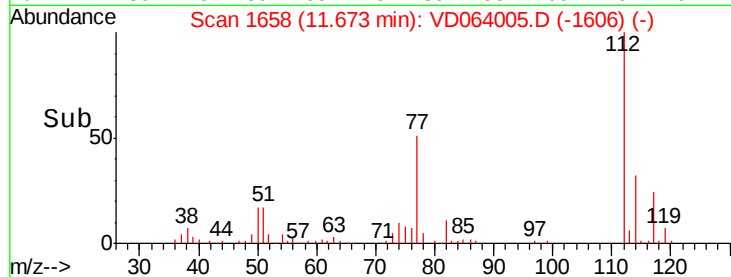
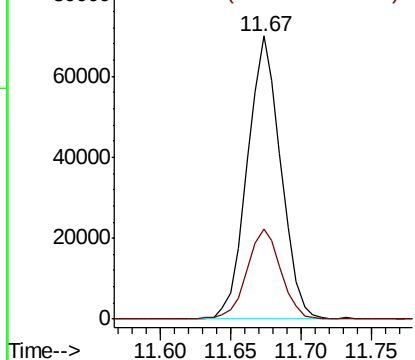
#65
Chlorobenzene
Concen: 21.816 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:112 Resp: 116068
Ion Ratio Lower Upper
112 100
114 31.9 25.1 37.7

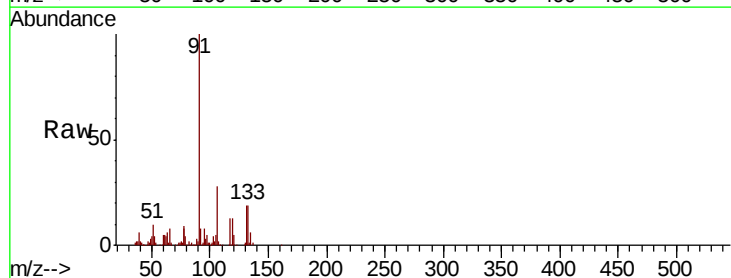


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

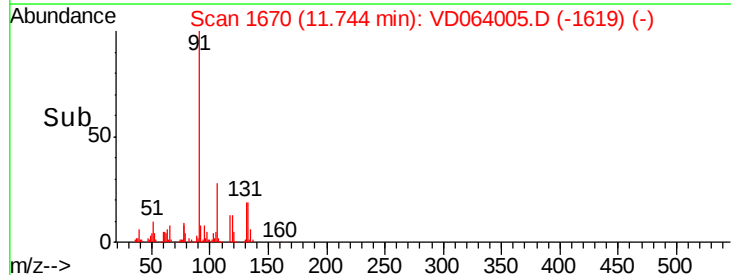
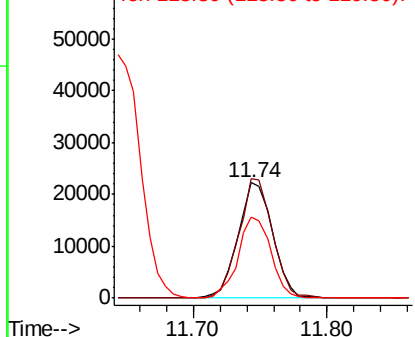


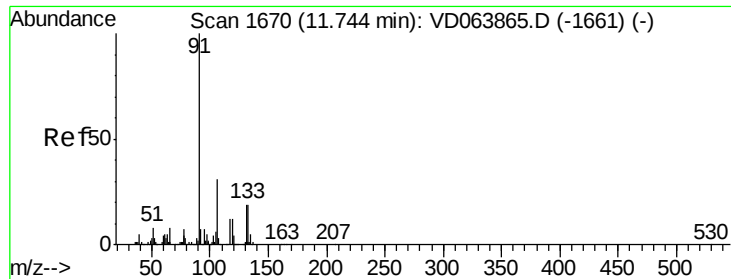
#66
1,1,1,2-Tetrachloroethane
Concen: 20.451 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

Tgt Ion:131 Resp: 40093
Ion Ratio Lower Upper
131 100
133 100.3 48.9 146.7
119 66.7 32.6 97.8



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 21.322 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

Instrument :

MSVOA_D

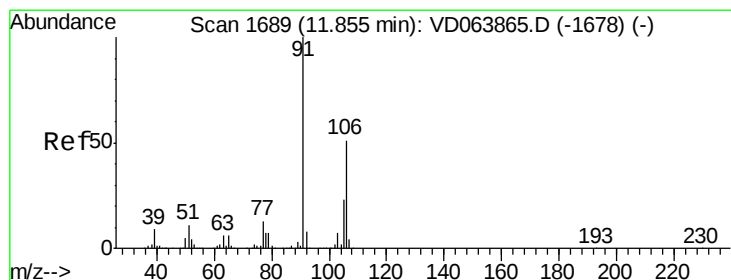
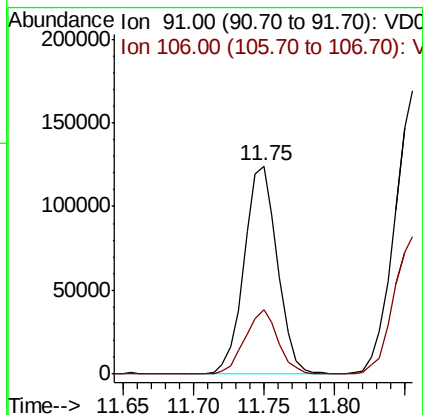
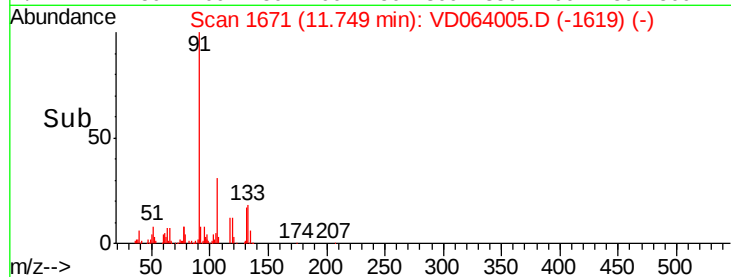
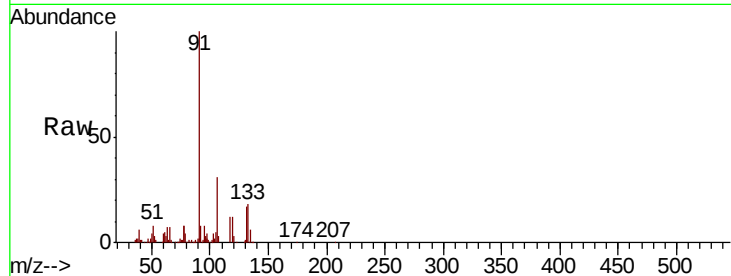
ClientSampleId :

Tot Ion: 91 Resp: 204555

Ion Ratio Lower Upper

91 100

106 30.8 24.6 37.0



#68

m/p-Xylenes

Concen: 43.336 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064005.D

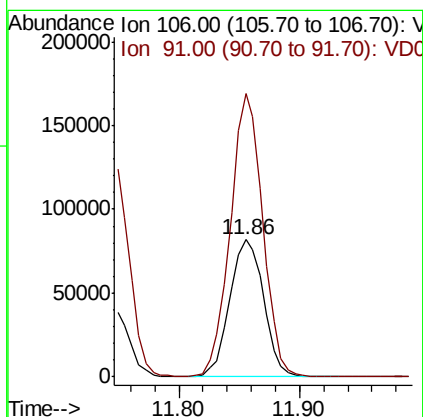
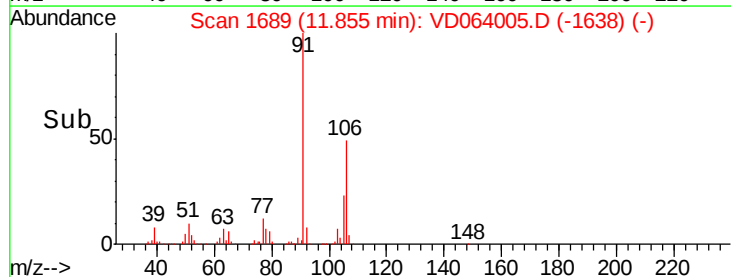
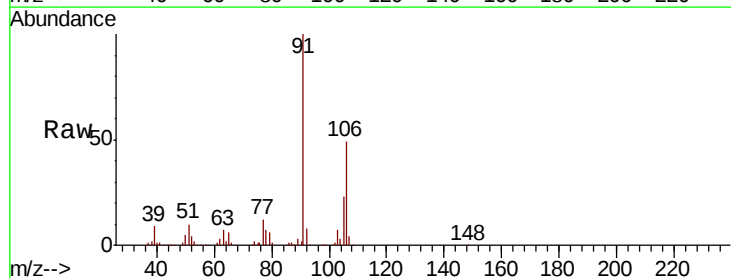
Acq: 18 Oct 2019 12:32

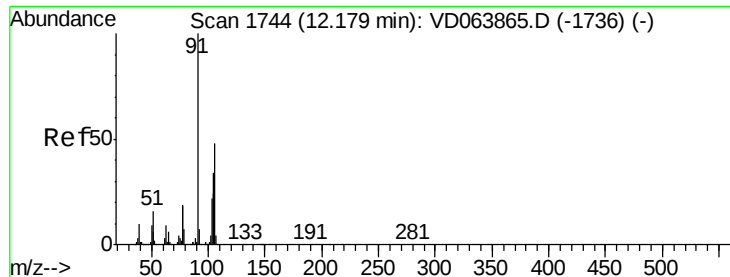
Tgt Ion: 106 Resp: 160470

Ion Ratio Lower Upper

106 100

91 196.4 154.8 232.2

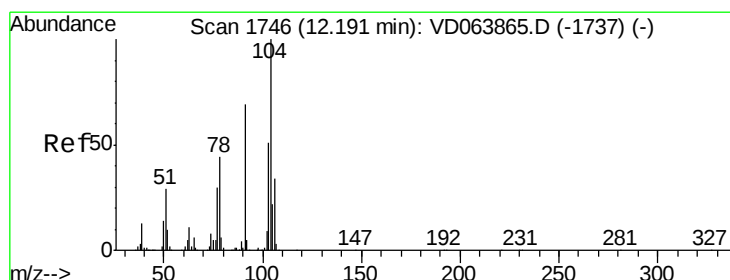
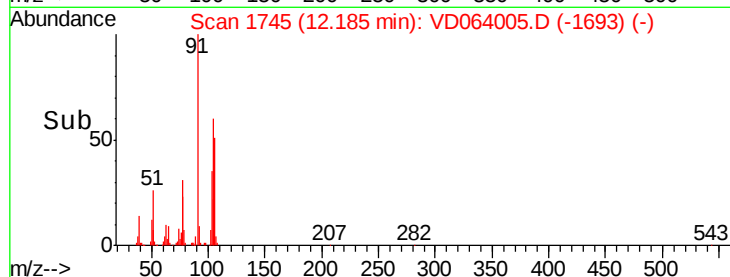
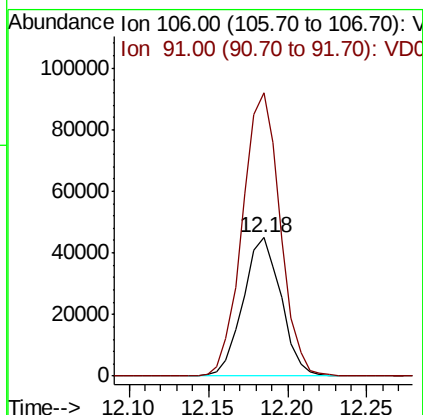
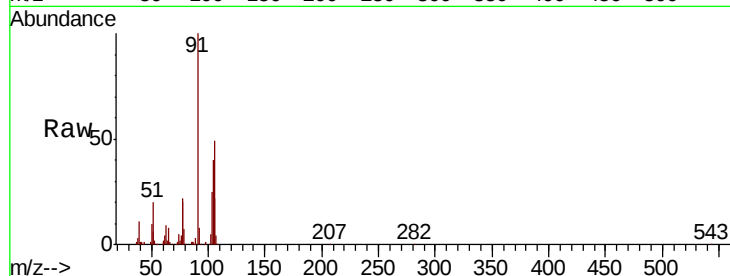




#69
o-Xylene
Concen: 21.045 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

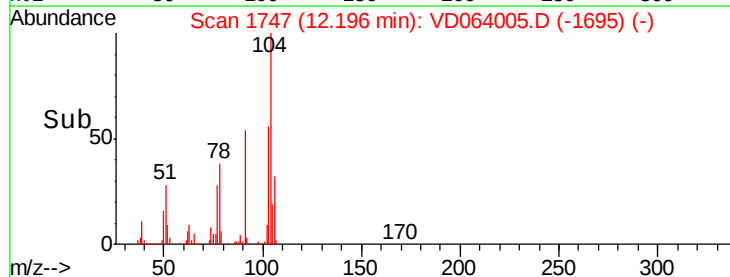
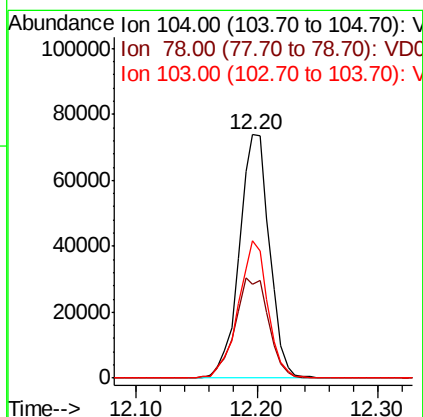
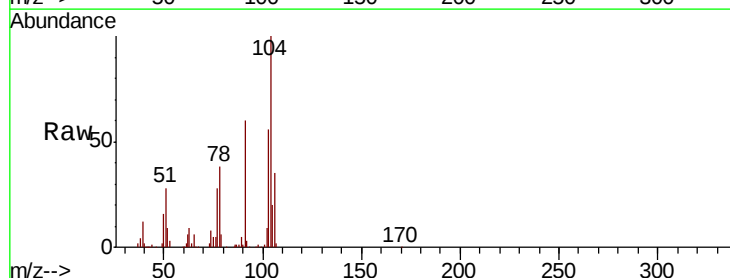
Instrument :
MSVOA_D
ClientSampled :

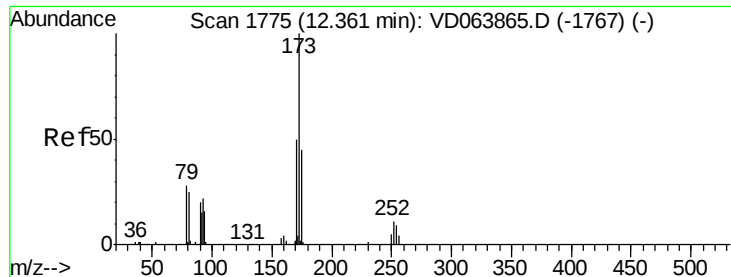
Tot Ion:106 Resp: 74618
Ion Ratio Lower Upper
106 100
91 203.6 103.9 311.7



#70
Styrene
Concen: 21.461 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

Tgt Ion:104 Resp: 128819
Ion Ratio Lower Upper
104 100
78 45.9 37.0 55.4
103 55.1 44.2 66.4





#71

Bromoform

Concen: 21.061 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

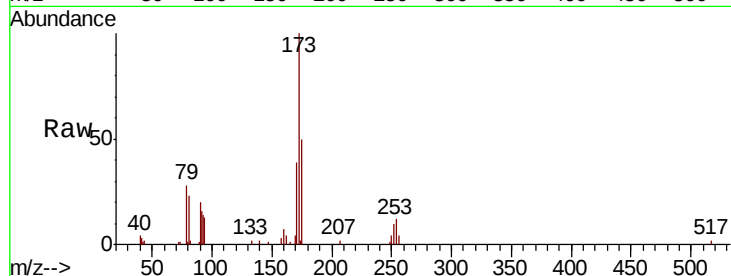
Tot Ion:173 Resp: 22158

Ion Ratio Lower Upper

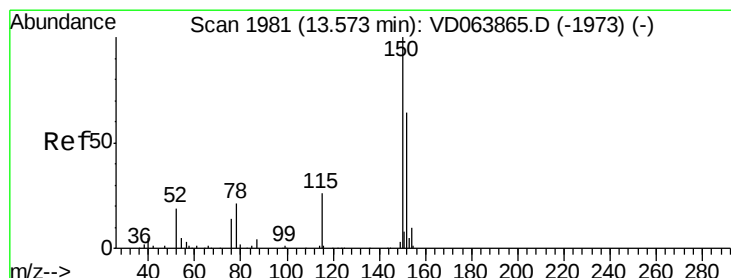
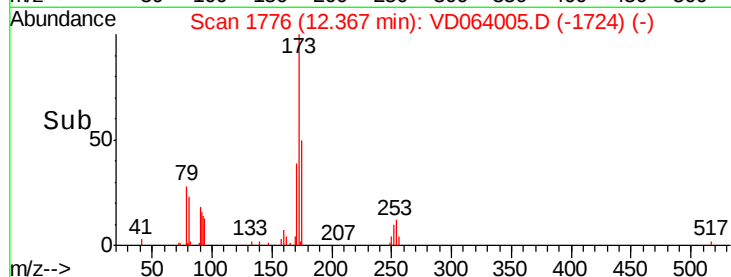
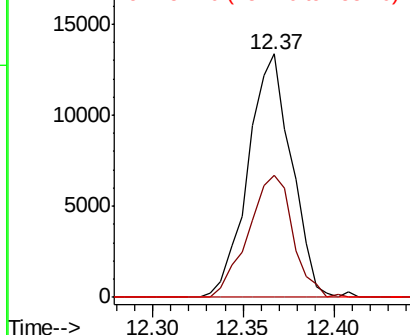
173 100

175 51.8 24.6 74.0

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

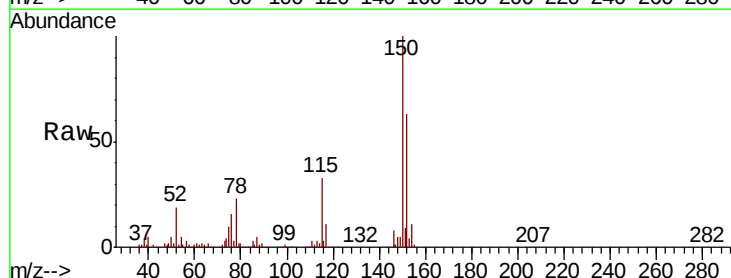
Tgt Ion:152 Resp: 144770

Ion Ratio Lower Upper

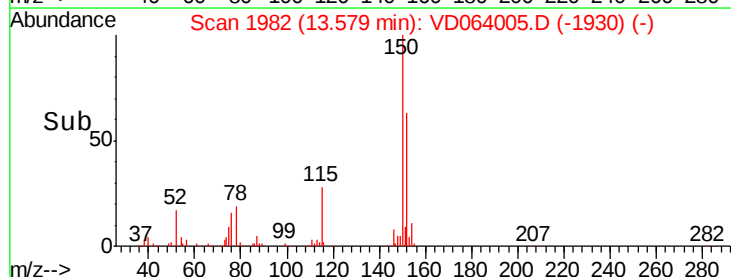
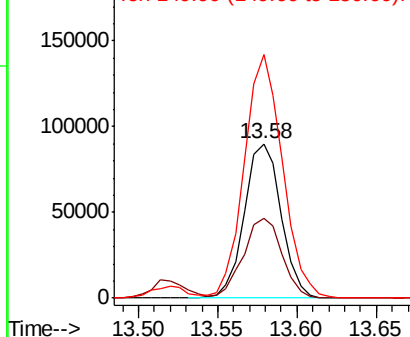
152 100

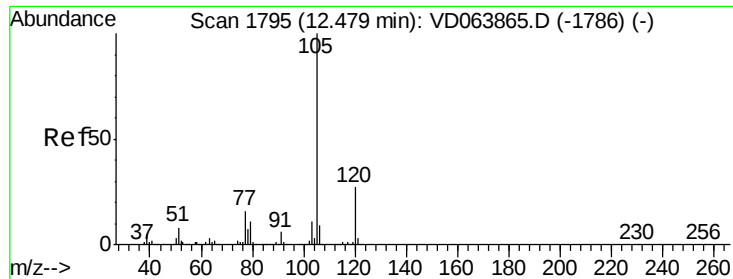
115 54.7 25.9 77.7

150 164.8 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: 20.782 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

Instrument :

MSVOA_D

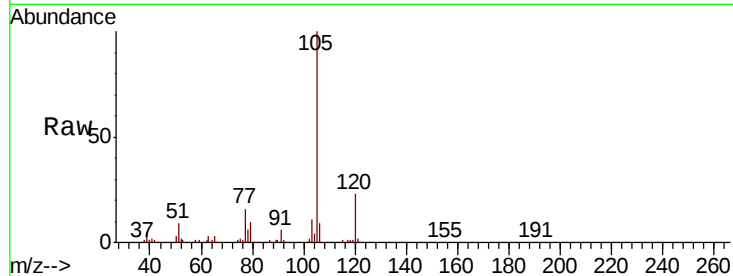
ClientSampleId :

Tot Ion:105 Resp: 202255

Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

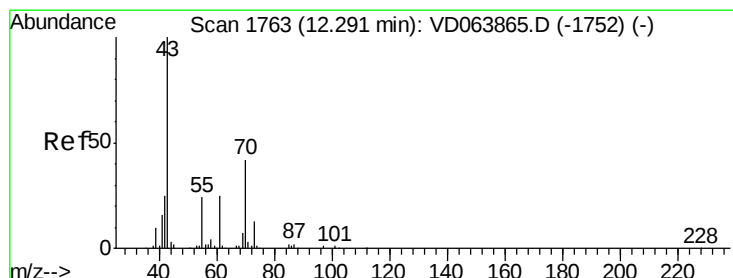
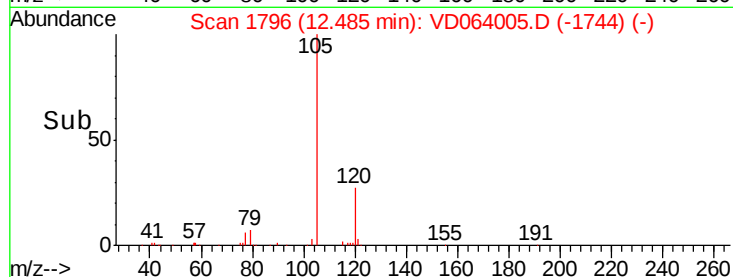
150000

100000

50000

0

Time--> 12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 18.541 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

Tgt Ion: 43 Resp: 38850

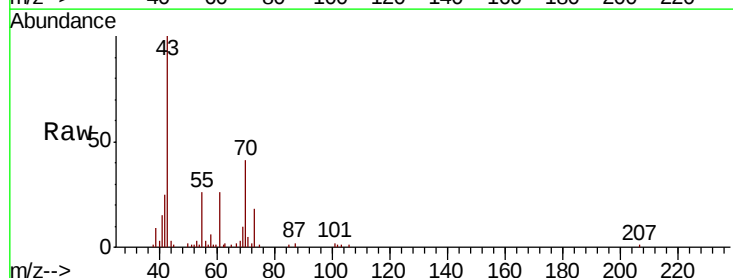
Ion Ratio Lower Upper

43 100

70 46.5 35.8 53.6

55 28.0 19.4 29.0

61 26.3 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

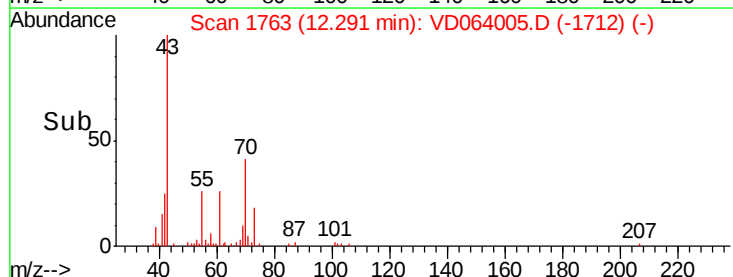
30000

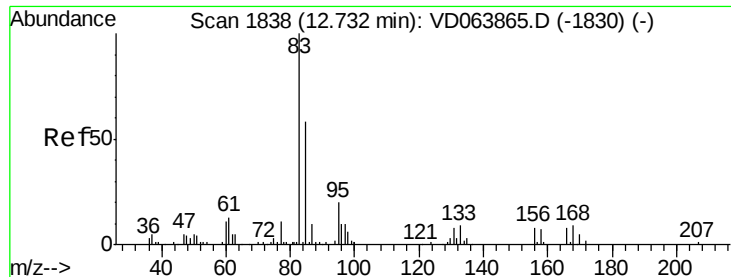
20000

10000

0

Time--> 12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 21.388 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

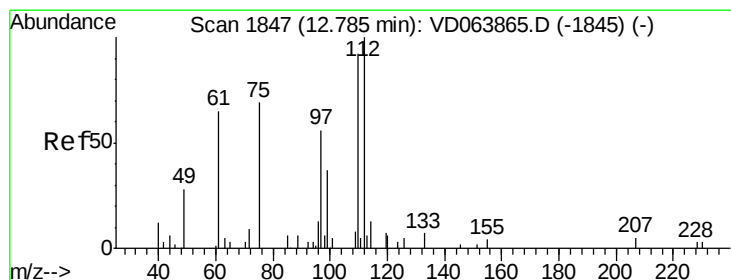
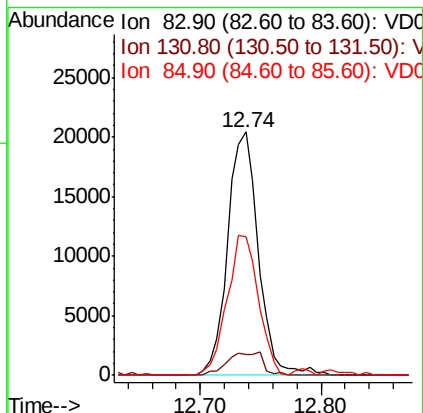
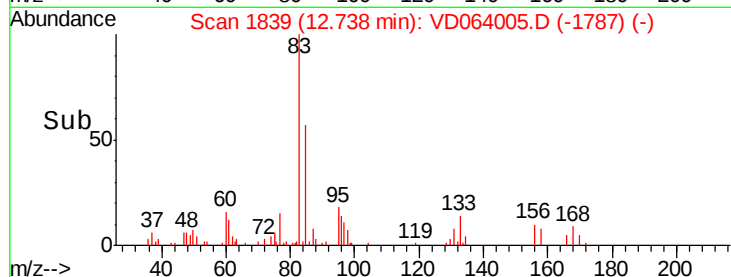
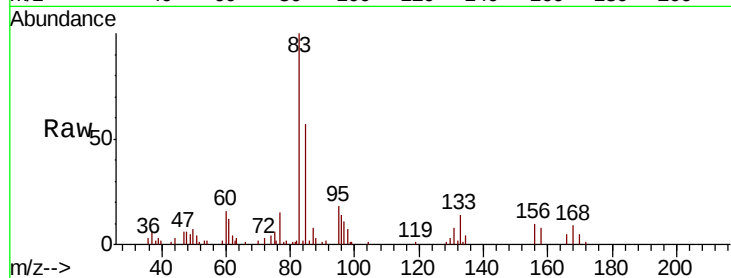
Tot Ion: 83 Resp: 36221

Ion Ratio Lower Upper

83 100

131 11.0 5.6 16.8

85 58.4 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 46.065 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064005.D

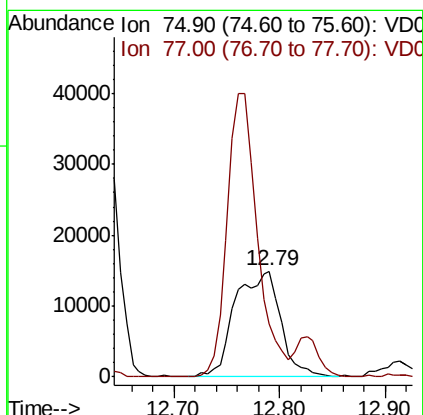
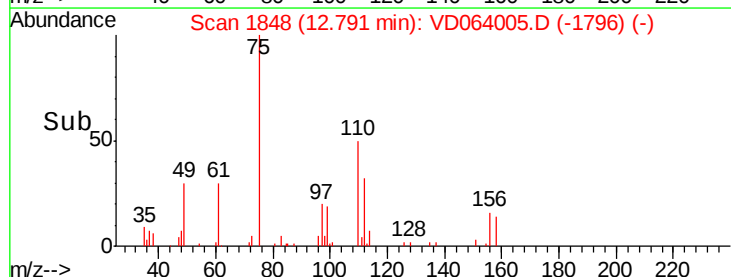
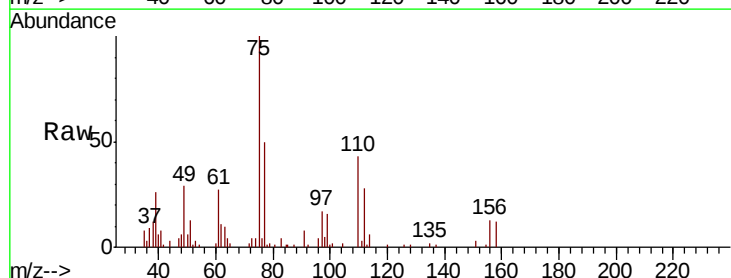
Acq: 18 Oct 2019 12:32

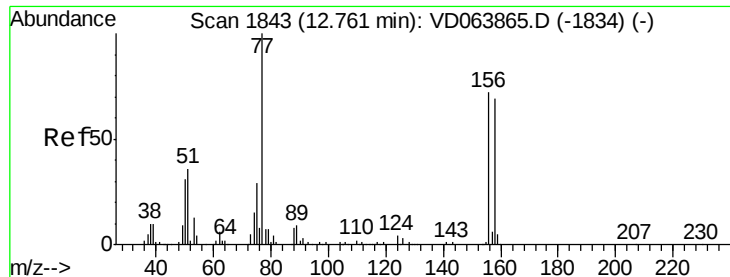
Tgt Ion: 75 Resp: 44666

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.383 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

Instrument :

MSVOA_D

ClientSampled :

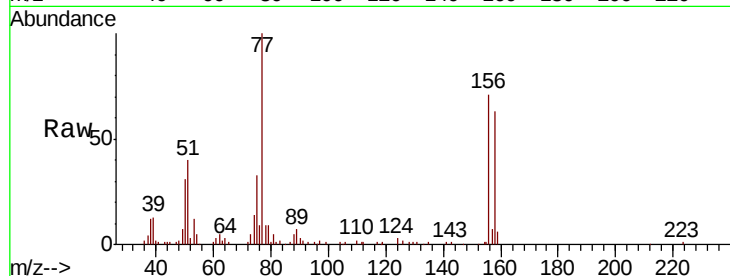
Tot Ion:156 Resp: 49423

Ion Ratio Lower Upper

156 100

77 160.7 80.3 241.0

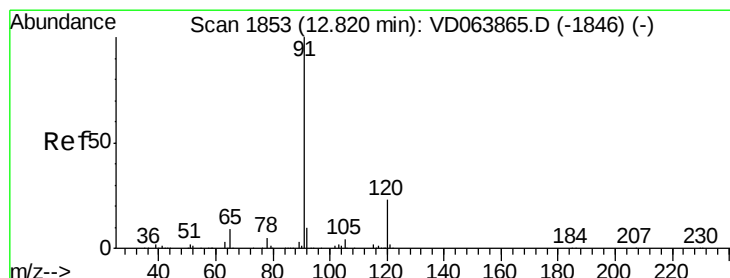
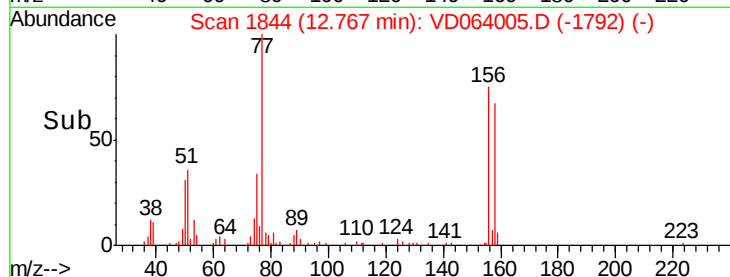
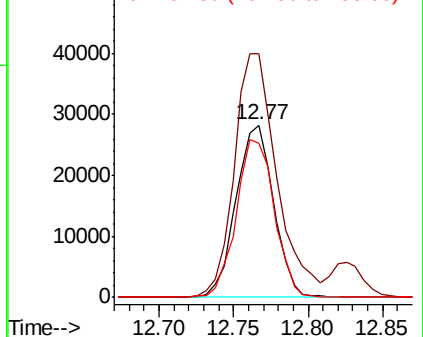
158 92.7 47.4 142.2



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: 21.466 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD064005.D

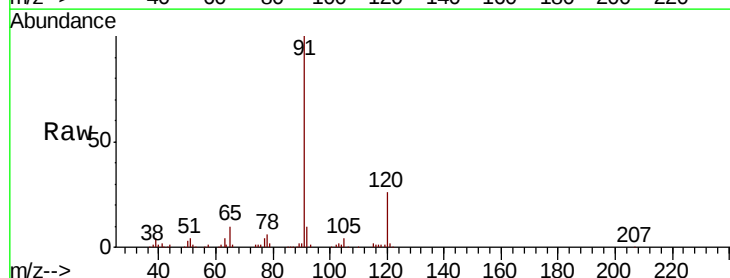
Acq: 18 Oct 2019 12:32

Tgt Ion: 91 Resp: 245213

Ion Ratio Lower Upper

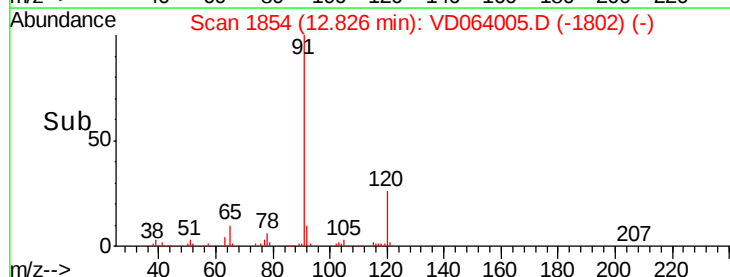
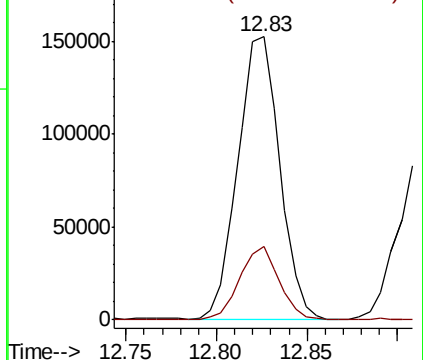
91 100

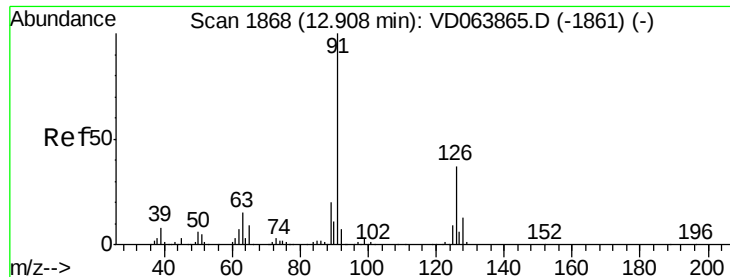
120 24.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

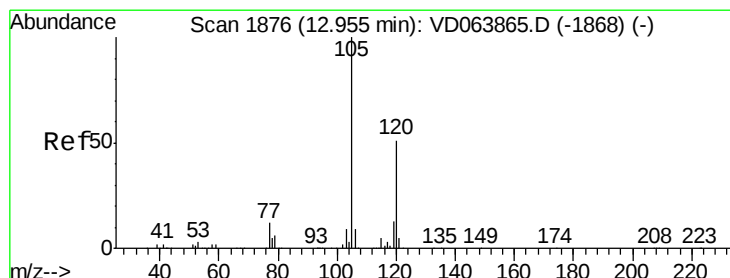
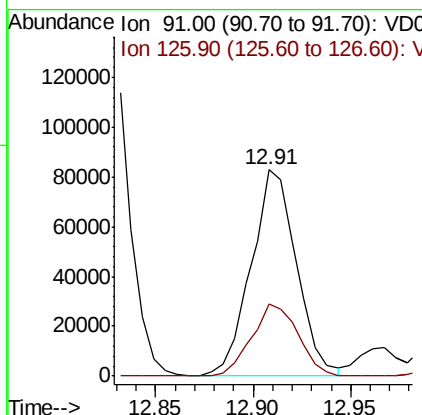
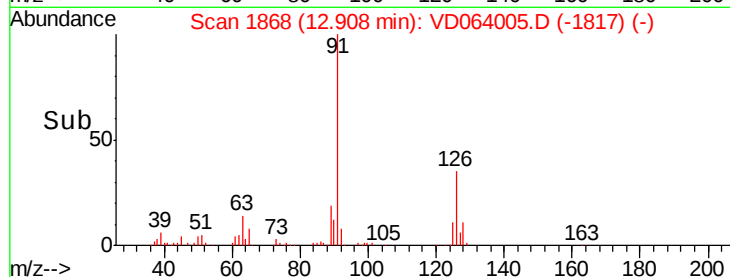
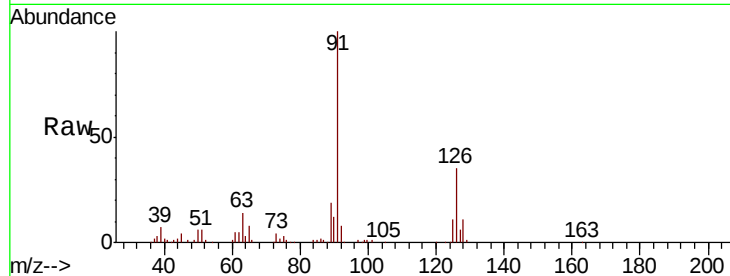




#79
 2-Chlorotoluene
 Concen: 21.152 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD064005.D
 Acq: 18 Oct 2019 12:32

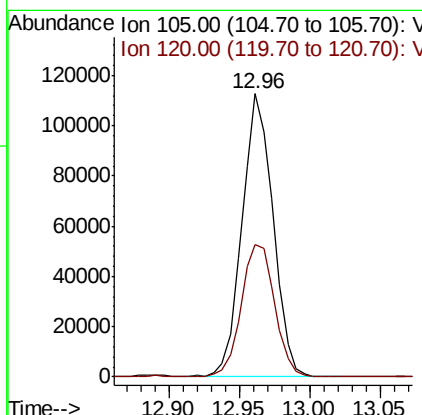
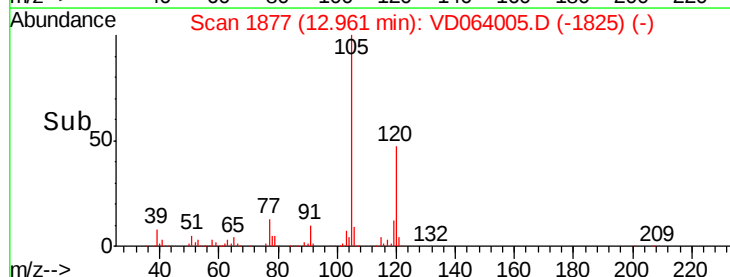
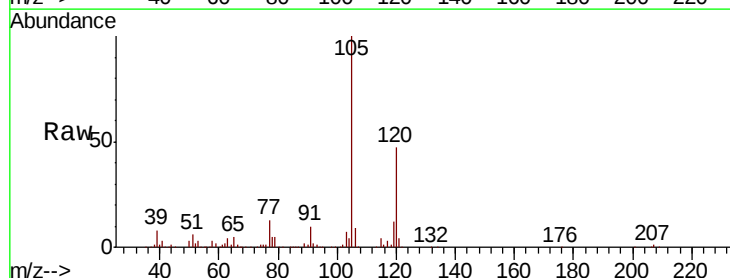
Instrument :
 MSVOA_D
 ClientSampled :

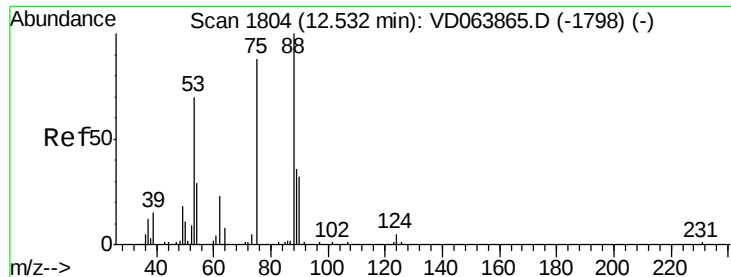
Tot Ion: 91 Resp: 133233
 Ion Ratio Lower Upper
 91 100
 126 35.9 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 21.348 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VD064005.D
 Acq: 18 Oct 2019 12:32

Tgt Ion:105 Resp: 173329
 Ion Ratio Lower Upper
 105 100
 120 50.2 25.9 77.8

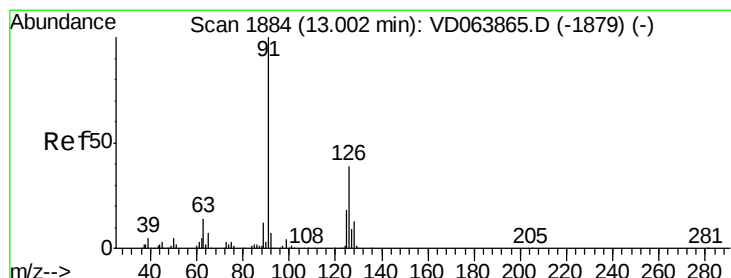
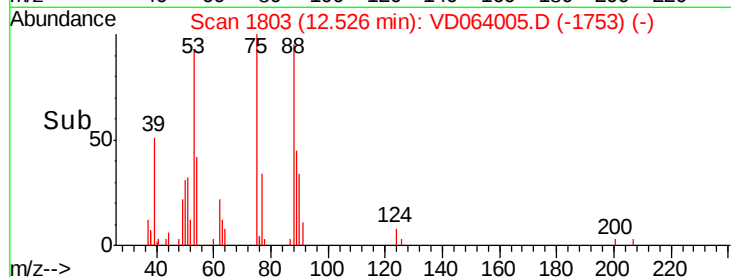
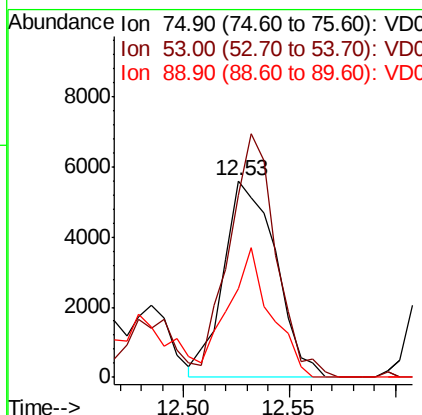
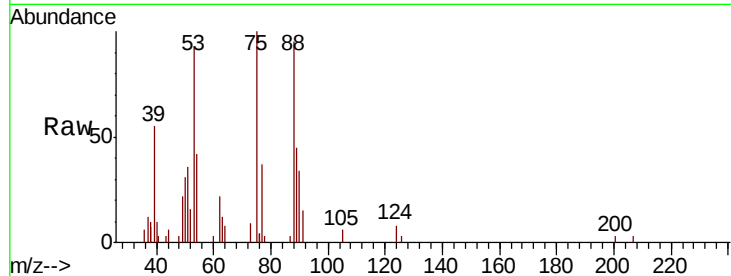




#81
trans-1,4-Dichloro-2-butene
Concen: 17.478 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

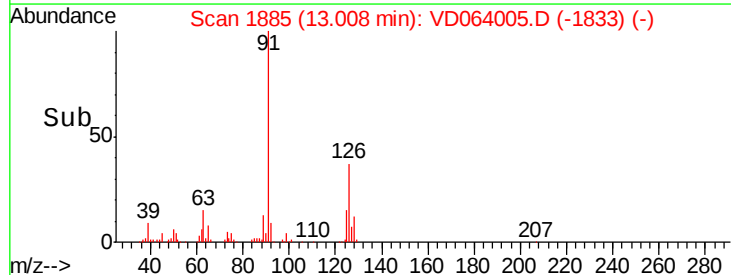
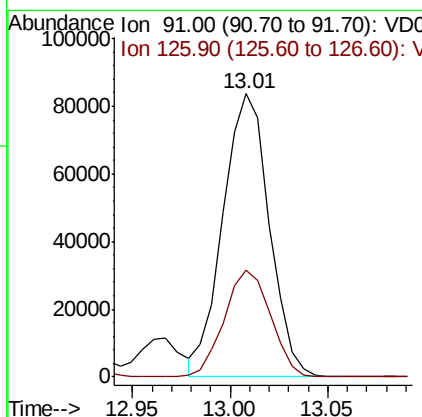
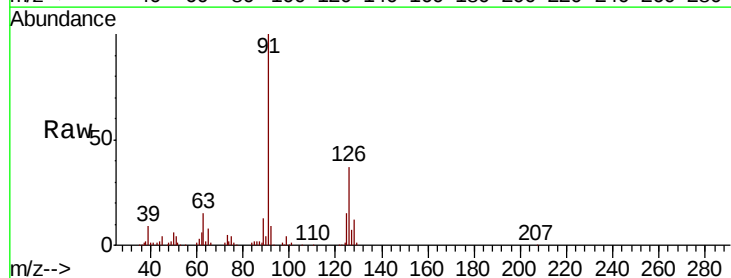
Instrument :
MSVOA_D
ClientSampleId :

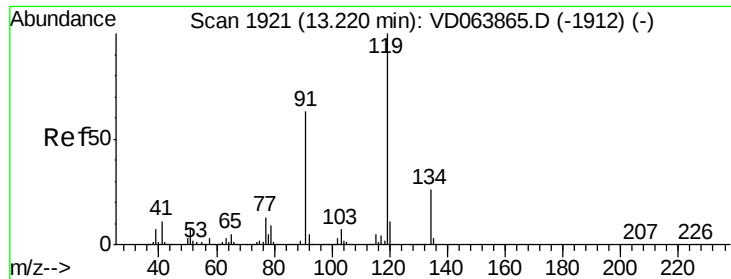
Tot Ion: 75 Resp: 9577
Ion Ratio Lower Upper
75 100
53 110.2 75.0 112.6
89 53.6 38.2 57.4



#82
4-Chlorotoluene
Concen: 20.653 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

Tgt Ion: 91 Resp: 138001
Ion Ratio Lower Upper
91 100
126 37.6 18.6 55.8

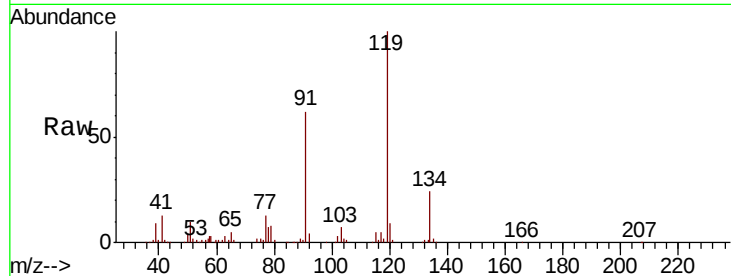




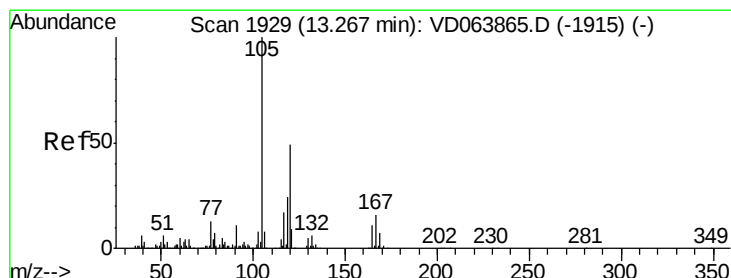
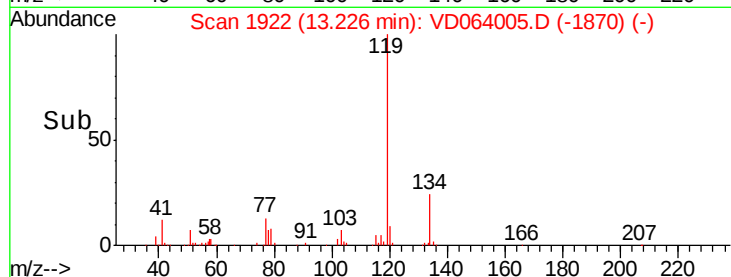
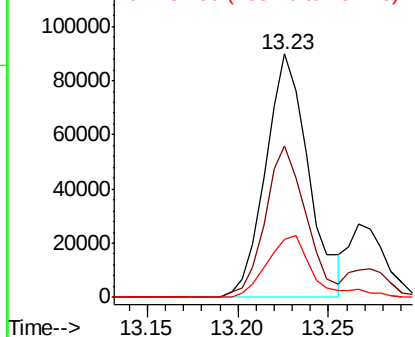
#83
tert-Butylbenzene
Concen: 20.569 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 148634
Ion Ratio Lower Upper
119 100
91 59.1 30.0 90.0
134 27.5 13.0 38.9

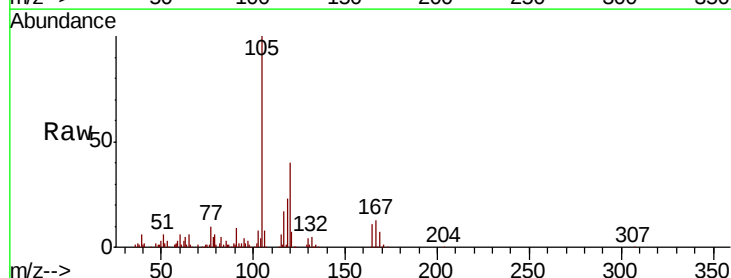


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

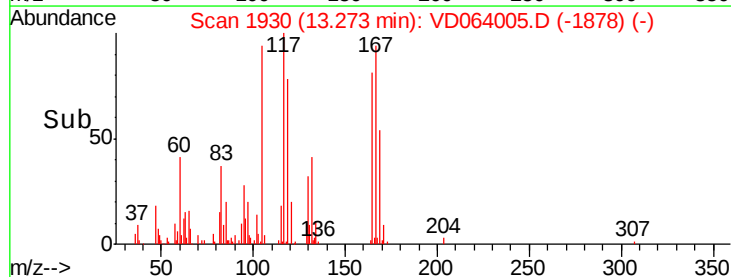
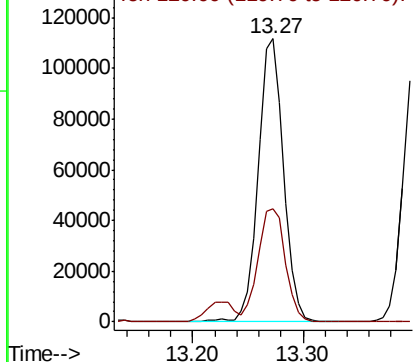


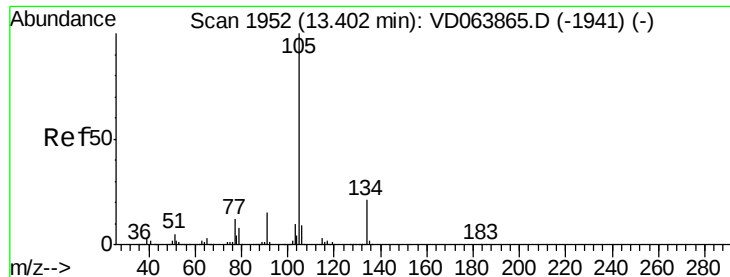
#84
1,2,4-Trimethylbenzene
Concen: 21.445 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.01 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

Tgt Ion:105 Resp: 179508
Ion Ratio Lower Upper
105 100
120 43.0 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: 22.075 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

Instrument :

MSVOA_D

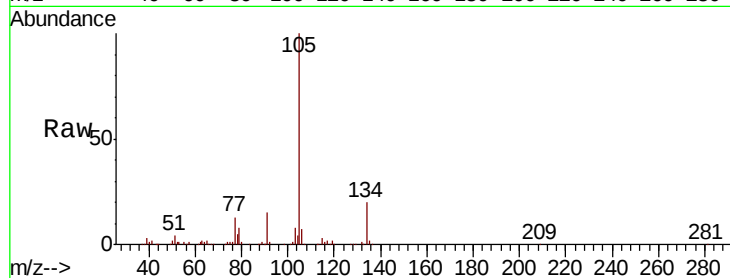
ClientSampleId :

Tot Ion:105 Resp: 215419

Ion Ratio Lower Upper

105 100

134 20.7 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

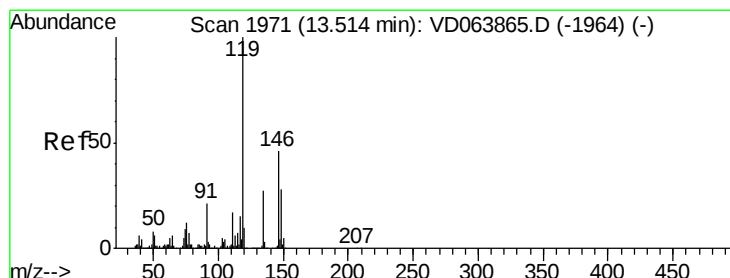
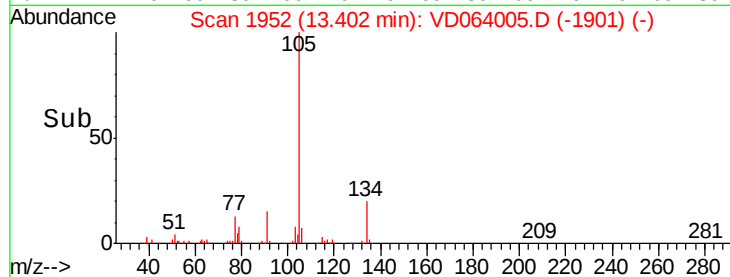
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.234 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD064005.D

Acq: 18 Oct 2019 12:32

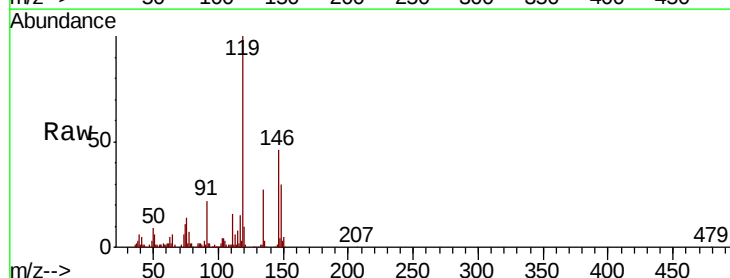
Tgt Ion:119 Resp: 196075

Ion Ratio Lower Upper

119 100

134 26.9 13.9 41.6

91 22.9 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

13.52

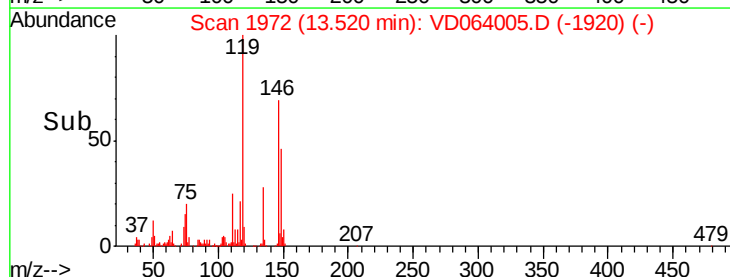
150000

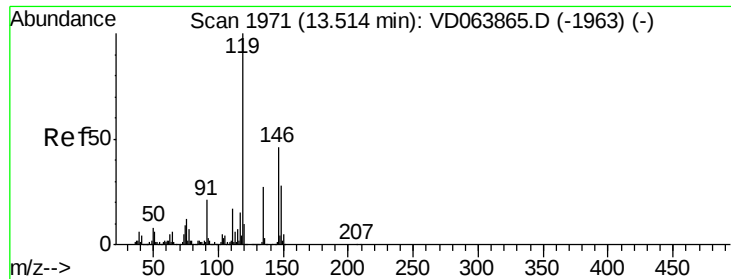
100000

50000

0

Time-->

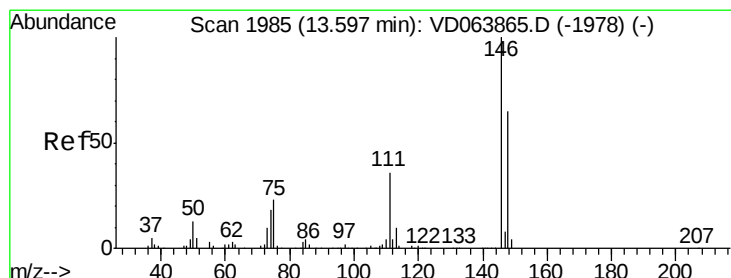
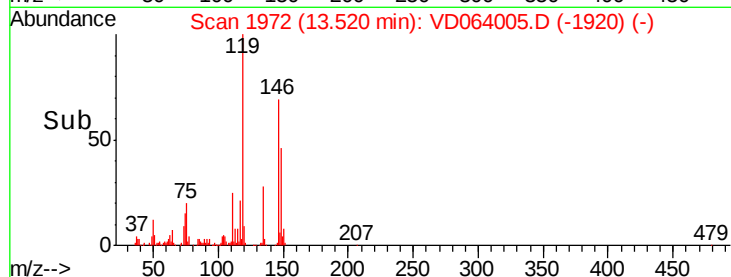
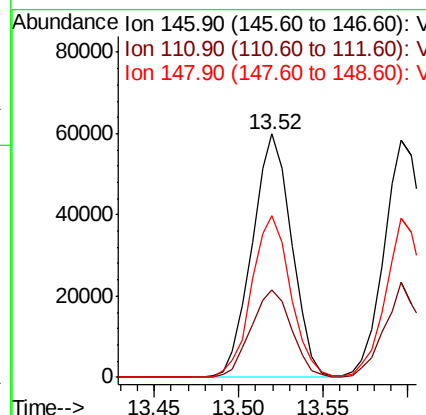
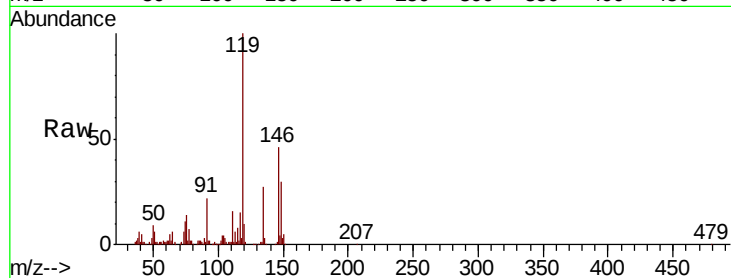




#87
 1,3-Dichlorobenzene
 Concen: 20.419 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD064005.D
 Acq: 18 Oct 2019 12:32

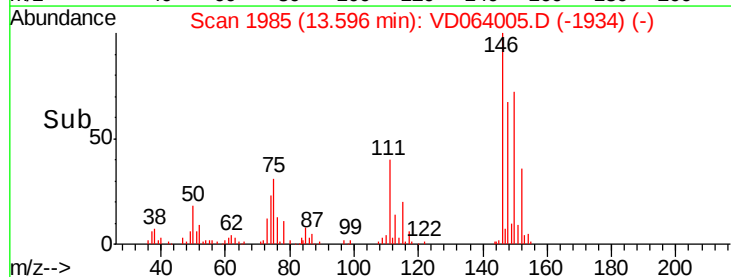
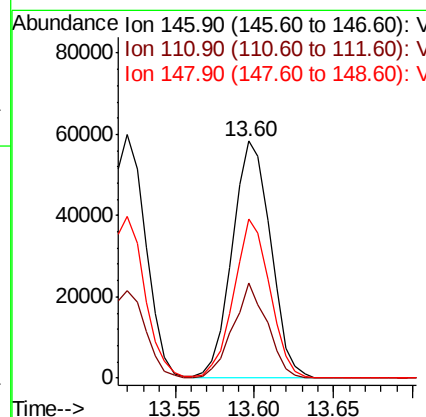
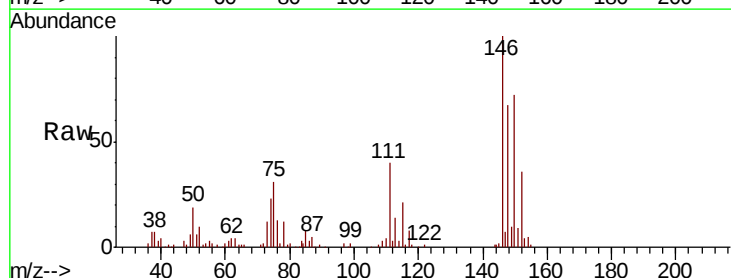
Instrument :
 MSVOA_D
 ClientSampleId :

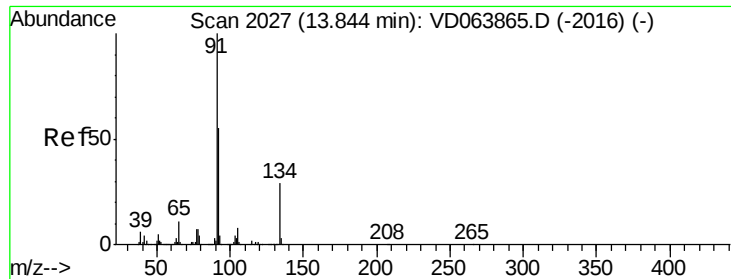
Tot Ion:146 Resp: 97827
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.3 54.9
 148 65.7 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.745 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD064005.D
 Acq: 18 Oct 2019 12:32

Tgt Ion:146 Resp: 98049
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.6 56.0
 148 63.4 32.6 98.0

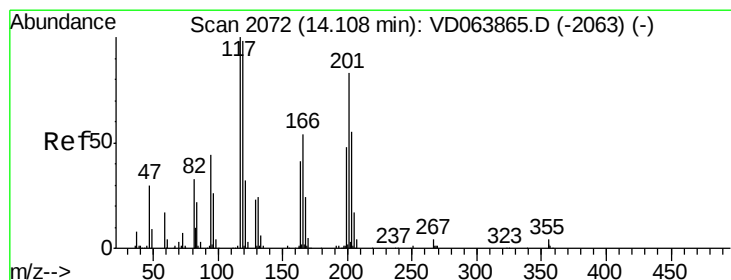
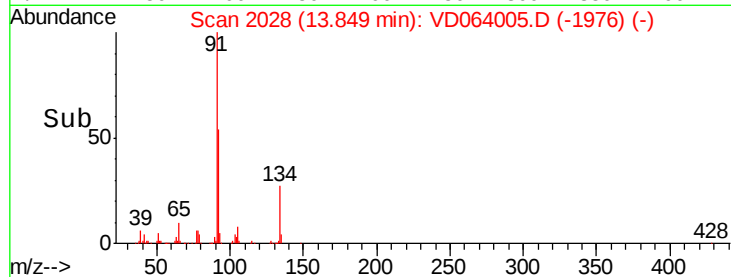
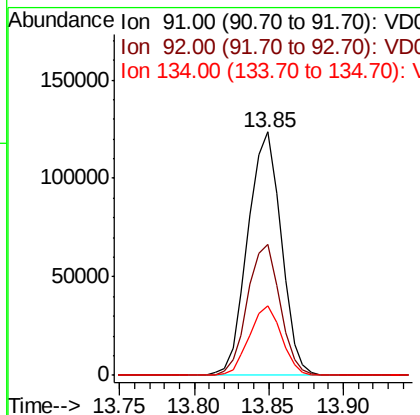
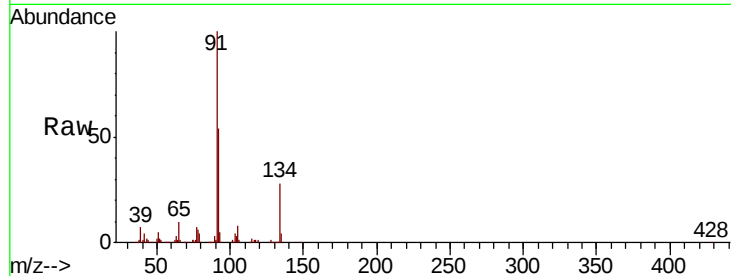




#89
n-Butylbenzene
Concen: 22.241 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

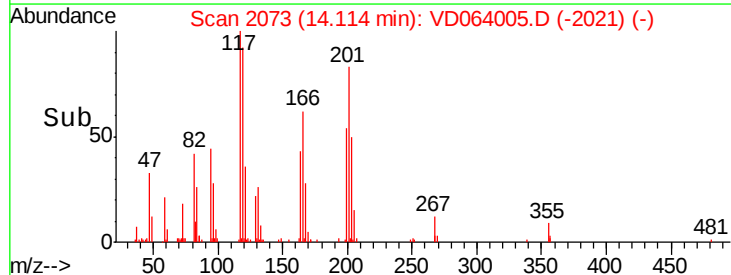
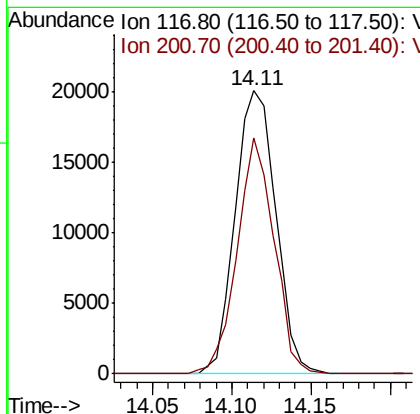
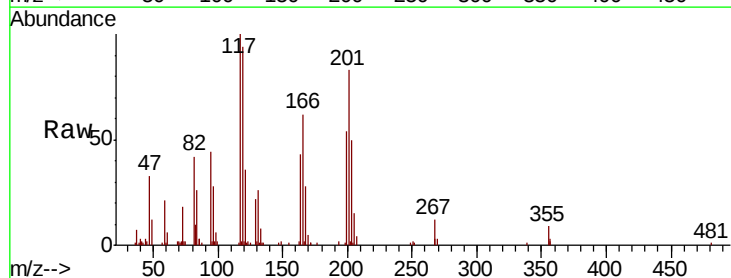
Instrument :
MSVOA_D
ClientSampleId :

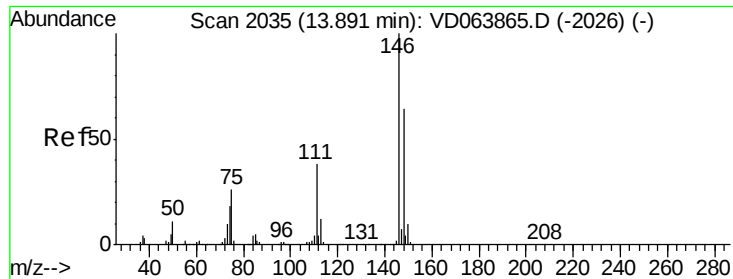
Tot Ion: 91 Resp: 191169
Ion Ratio Lower Upper
91 100
92 52.6 26.8 80.3
134 27.6 14.4 43.0



#90
Hexachloroethane
Concen: 21.611 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

Tgt Ion: 117 Resp: 35892
Ion Ratio Lower Upper
117 100
201 75.6 40.6 121.7

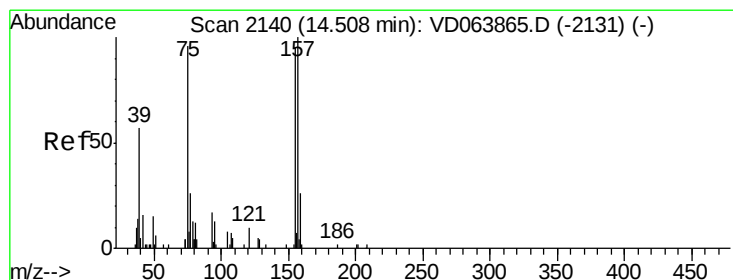
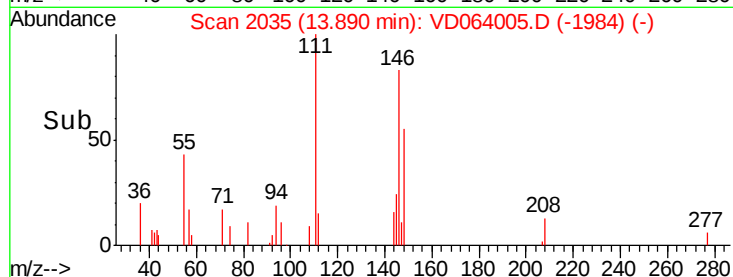
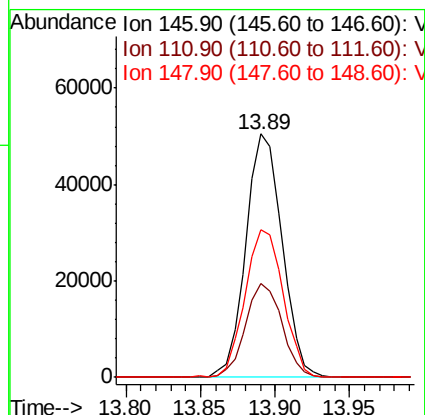
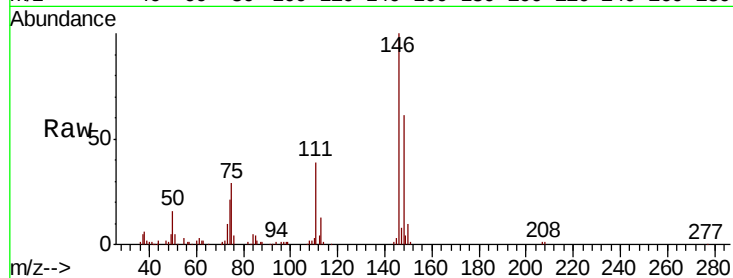




#91
 1,2-Dichlorobenzene
 Concen: 20.517 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD064005.D
 Acq: 18 Oct 2019 12:32

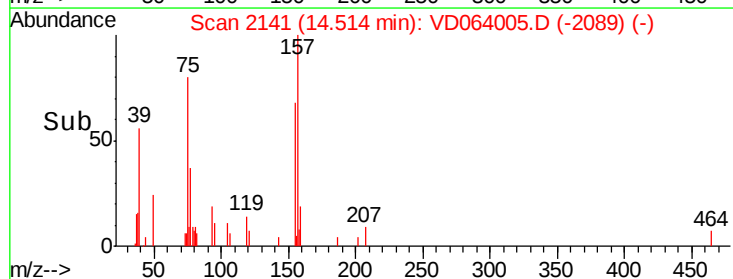
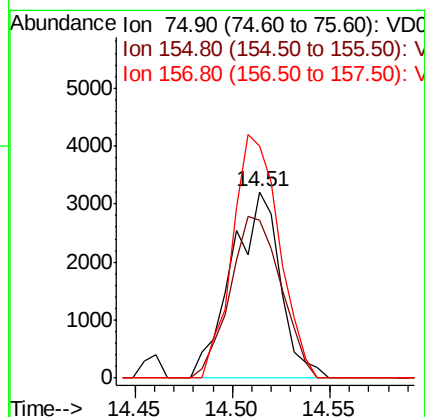
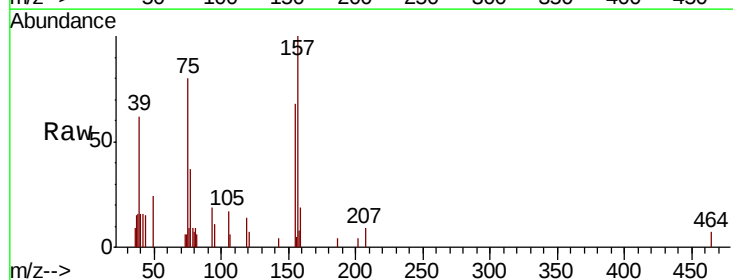
Instrument :
 MSVOA_D
 ClientSampleId :

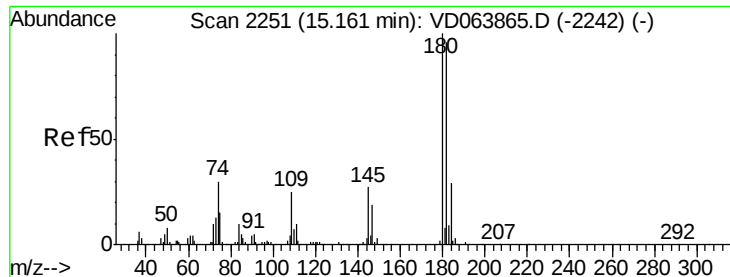
Tot Ion:146 Resp: 84709
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.6 55.6
 148 63.9 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.426 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD064005.D
 Acq: 18 Oct 2019 12:32

Tgt Ion: 75 Resp: 5507
 Ion Ratio Lower Upper
 75 100
 155 91.5 43.9 131.6
 157 126.3 56.0 167.9

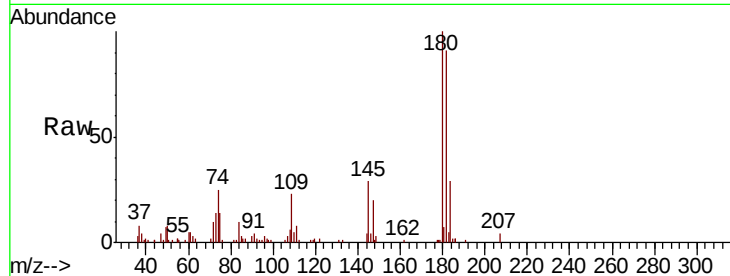




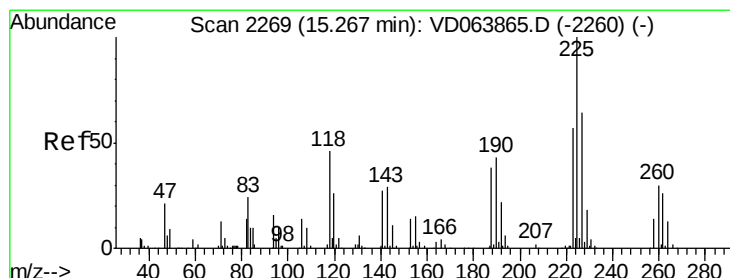
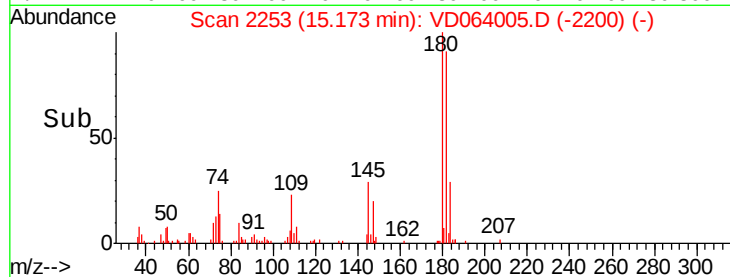
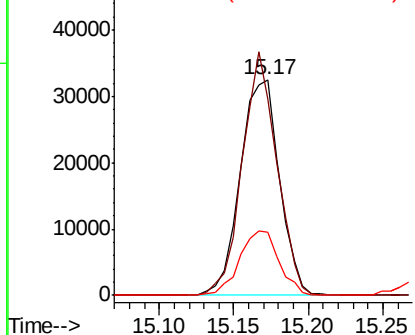
#93
 1,2,4-Trichlorobenzene
 Concen: 18.590 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064005.D
 Acq: 18 Oct 2019 12:32

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.0	47.4	142.3
145	30.1	13.9	41.7

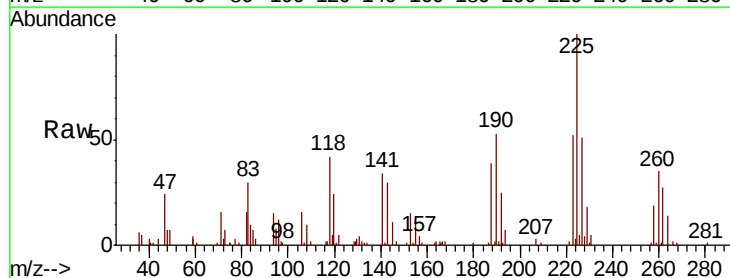


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

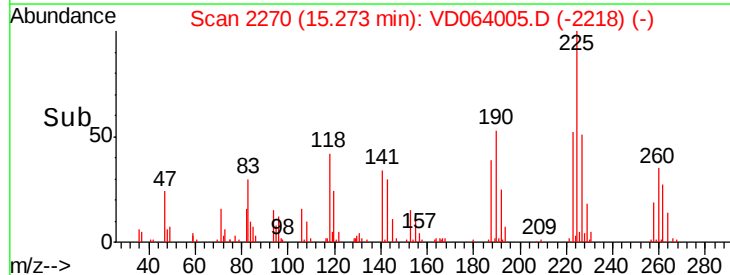
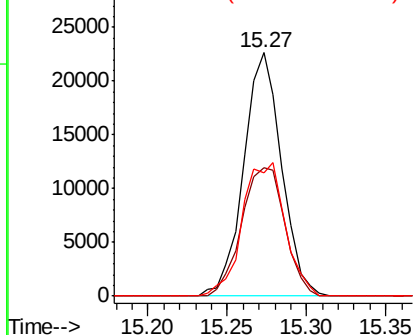


#94
 Hexachlorobutadiene
 Concen: 21.394 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD064005.D
 Acq: 18 Oct 2019 12:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.1	29.5	88.6
227	61.9	30.8	92.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

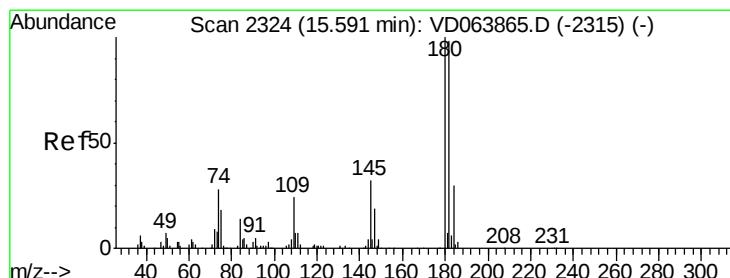
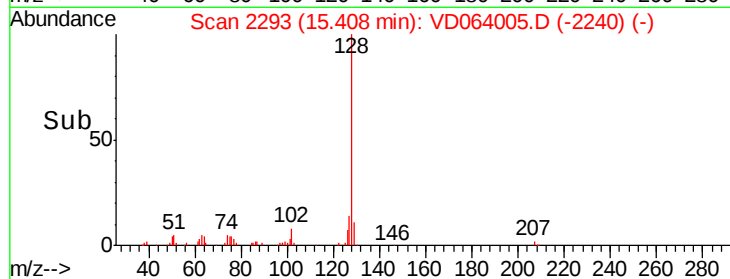
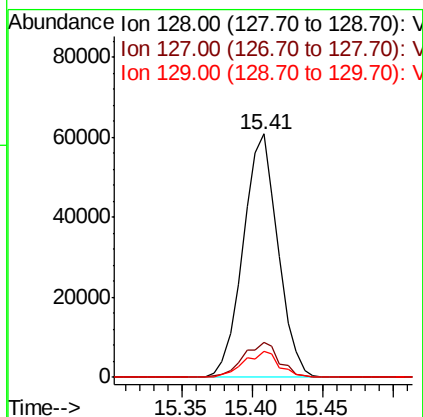
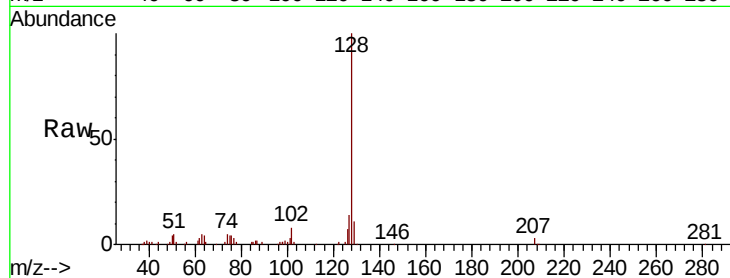




#95
Naphthalene
Concen: 19.588 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 104883
Ion Ratio Lower Upper
128 100
127 14.8 10.6 16.0
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.312 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD064005.D
Acq: 18 Oct 2019 12:32

Tgt Ion:180 Resp: 53083
Ion Ratio Lower Upper
180 100
182 97.6 47.0 141.0
145 31.9 15.3 45.9

