

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100719\
 Data File : VD063893.D
 Acq On : 07 Oct 2019 10:40
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 08 17:25:38 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	205893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	323712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	318726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	168580	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	94690	47.24	ug/l	0.00
Spiked Amount			Recovery	=	94.48%	
35) Dibromofluoromethane	7.92	113	99103	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
50) Toluene-d8	10.34	98	402396	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.63	95	138782	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	70398	48.213	ug/l	84
3) Chloromethane	2.21	50	216934	55.482	ug/l	96
4) Vinyl Chloride	2.35	62	233987	49.582	ug/l	95
5) Bromomethane	2.77	94	139957	46.130	ug/l	98
6) Chloroethane	2.92	64	149647	47.949	ug/l	94
7) Trichlorofluoromethane	3.27	101	302200	48.433	ug/l	97
8) Diethyl Ether	3.70	74	49409	49.336	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	92443	53.524	ug/l	94
10) Methyl Iodide	4.29	142	127864	53.727	ug/l	99
11) Tert butyl alcohol	5.24	59	36545	262.837	ug/l	98
12) 1,1-Dichloroethene	4.06	96	91273	52.895	ug/l	91
13) Acrolein	3.93	56	44871	250.631	ug/l	94
14) Allyl chloride	4.70	41	145209	50.616	ug/l	98
15) Acrylonitrile	5.43	53	112989	255.898	ug/l	95
16) Acetone	4.17	43	148970	285.445	ug/l	100
17) Carbon Disulfide	4.40	76	317695	50.648	ug/l #	94
18) Methyl Acetate	4.72	43	50234	49.213	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	232318	51.992	ug/l	96
20) Methylene Chloride	4.96	84	124310	53.918	ug/l	99
21) trans-1,2-Dichloroethene	5.46	96	113405	52.793	ug/l	93
22) Diisopropyl ether	6.37	45	293557	50.103	ug/l	93
23) Vinyl Acetate	6.31	43	892132	255.955	ug/l	99
24) 1,1-Dichloroethane	6.27	63	183934	50.966	ug/l	96
25) 2-Butanone	7.22	43	167938	271.528	ug/l #	89
26) 2,2-Dichloropropane	7.21	77	170584	52.252	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	127974	52.634	ug/l	99
28) Bromochloromethane	7.55	49	66630	48.615	ug/l	98
29) Tetrahydrofuran	7.57	42	80988	224.342	ug/l	95
30) Chloroform	7.71	83	201407	51.382	ug/l	91
31) Cyclohexane	7.98	56	160203	54.011	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	181594	54.007	ug/l	99
36) 1,1-Dichloropropene	8.11	75	157150	53.095	ug/l	97
37) Ethyl Acetate	7.30	43	59498	50.143	ug/l #	90
38) Carbon Tetrachloride	8.10	117	158791	53.090	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	186204	51.166	ug/l	93
40) Benzene	8.36	78	454962	53.639	ug/l	99
41) Methacrylonitrile	7.53	41	33254	48.460	ug/l	90
42) 1,2-Dichloroethane	8.43	62	124121	50.589	ug/l	99
43) Isopropyl Acetate	8.46	43	118316	47.666	ug/l	99
44) Trichloroethene	9.11	130	130191	53.230	ug/l	95
45) 1,2-Dichloropropane	9.39	63	106790	51.439	ug/l	98
46) Dibromomethane	9.47	93	60484	51.156	ug/l	96
47) Bromodichloromethane	9.67	83	158920	52.206	ug/l	93
48) Methyl methacrylate	9.46	41	56309	47.347	ug/l	99
49) 1,4-Dioxane	9.47	88	15623	968.034	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	306083	237.769	ug/l	99
52) Toluene	10.40	92	303630	52.147	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	151658	51.055	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	182681	53.426	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	86555	51.848	ug/l	91
56) Ethyl methacrylate	10.66	69	106291	50.278	ug/l	97
57) 1,3-Dichloropropane	10.95	76	146437	51.268	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	218696	240.667	ug/l	100
59) 2-Hexanone	10.98	43	245591	263.735	ug/l	100
60) Dibromochloromethane	11.14	129	113021	52.002	ug/l	100
61) 1,2-Dibromoethane	11.24	107	83381	51.520	ug/l	99
64) Tetrachloroethene	10.87	164	115723	53.185	ug/l	93
65) Chlorobenzene	11.67	112	353783	55.271	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	126602	53.677	ug/l	97
67) Ethyl Benzene	11.74	91	609101	52.773	ug/l	96
68) m/p-Xylenes	11.86	106	478407	107.387	ug/l	100
69) o-Xylene	12.18	106	227165	53.252	ug/l	96
70) Styrene	12.20	104	385959	53.446	ug/l	99
71) Bromoform	12.36	173	70245	55.495	ug/l #	99
73) Isopropylbenzene	12.48	105	608190	53.666	ug/l	98
74) N-amyl acetate	12.29	43	120742	49.485	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	101241	51.338	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	125397	111.059	ug/l #	100
77) Bromobenzene	12.76	156	151658	53.713	ug/l	96
78) n-propylbenzene	12.82	91	718850	54.040	ug/l	100
79) 2-Chlorotoluene	12.91	91	380182	51.832	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	497220	52.590	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	31745	49.753	ug/l	98
82) 4-Chlorotoluene	13.00	91	398475	51.212	ug/l	97
83) tert-Butylbenzene	13.23	119	440326	52.330	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	517645	53.108	ug/l	99
85) sec-Butylbenzene	13.40	105	621635	54.705	ug/l	98
86) p-Isopropyltoluene	13.51	119	590880	54.951	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	298810	53.561	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	298382	54.214	ug/l	98
89) n-Butylbenzene	13.84	91	536167	53.568	ug/l	99
90) Hexachloroethane	14.11	117	106823	55.235	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	261344	54.358	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16736	54.860	ug/l	94

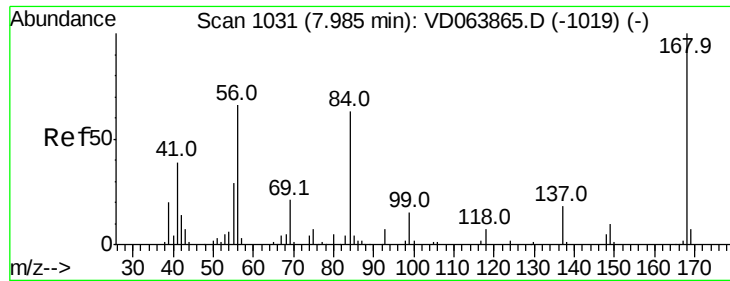
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	199088	53.666	ug/l	99
94) Hexachlorobutadiene	15.27	225	108115	52.812	ug/l	94
95) Naphthalene	15.40	128	336954	54.041	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	173845	54.314	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

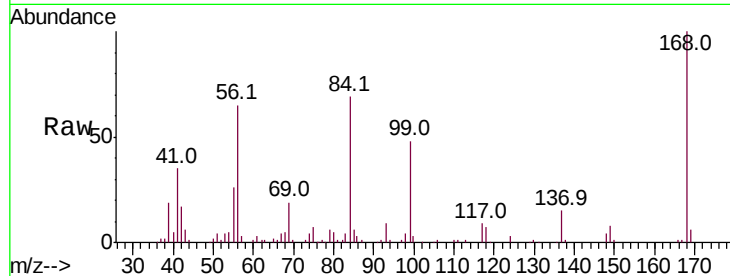
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 205893

Ion Ratio Lower Upper

168 100

99 48.2 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

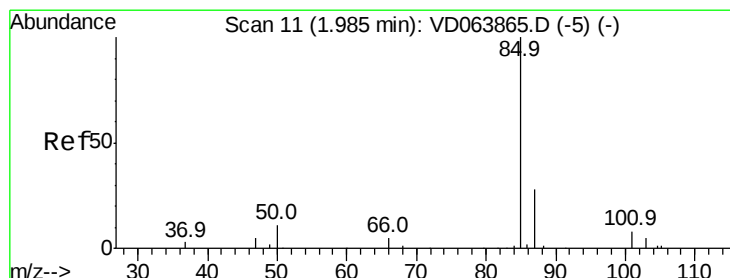
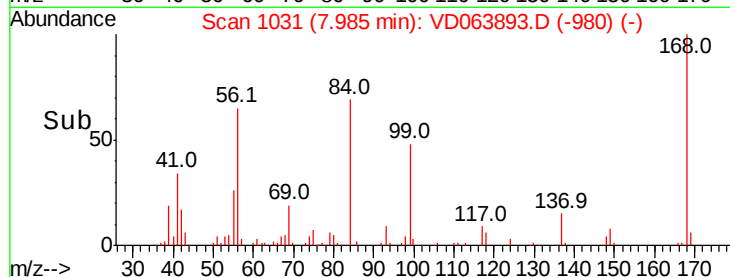
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.213 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063893.D

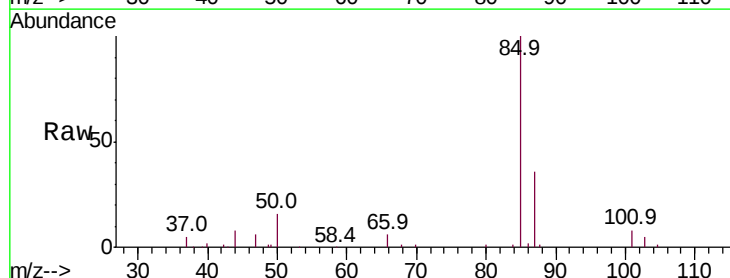
Acq: 07 Oct 2019 10:40

Tgt Ion: 85 Resp: 70398

Ion Ratio Lower Upper

85 100

87 36.5 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

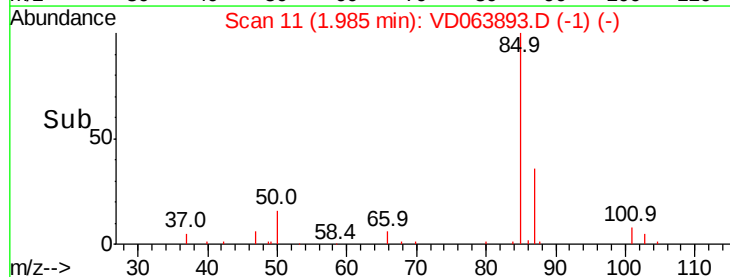
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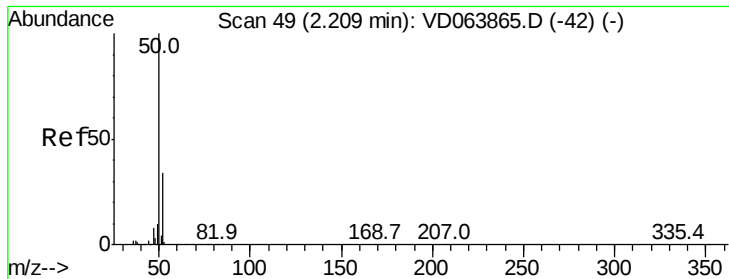
20000

10000

0

Time-->





#3

Chloromethane

Concen: 55.482 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

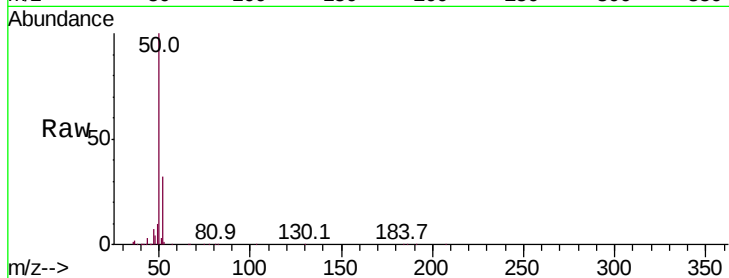
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 216934

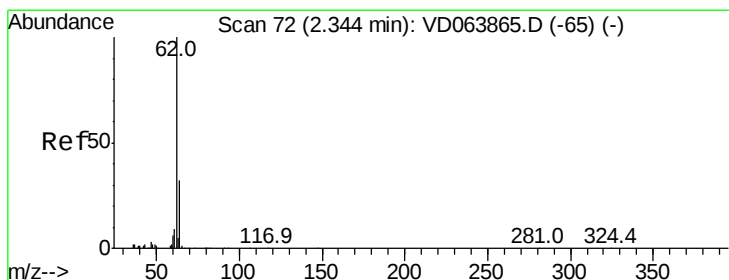
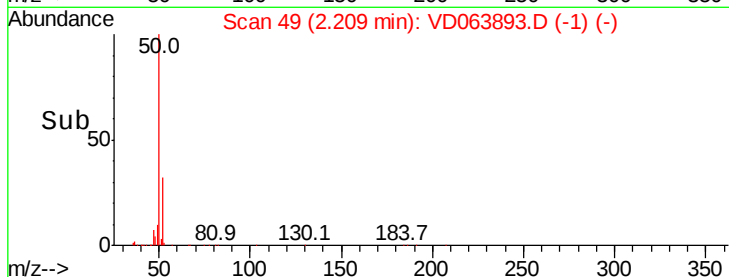
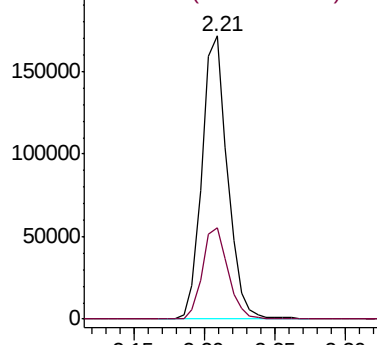
Ion Ratio Lower Upper

50 100

52 32.4 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.582 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063893.D

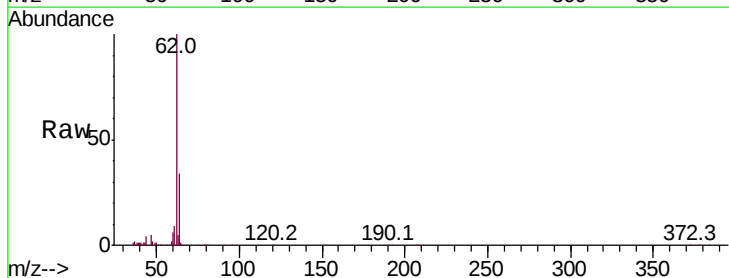
Acq: 07 Oct 2019 10:40

Tgt Ion: 62 Resp: 233987

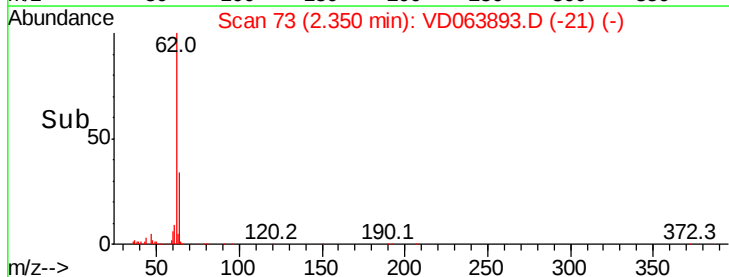
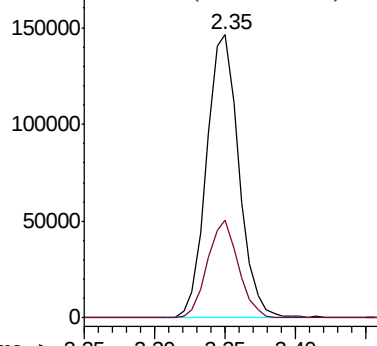
Ion Ratio Lower Upper

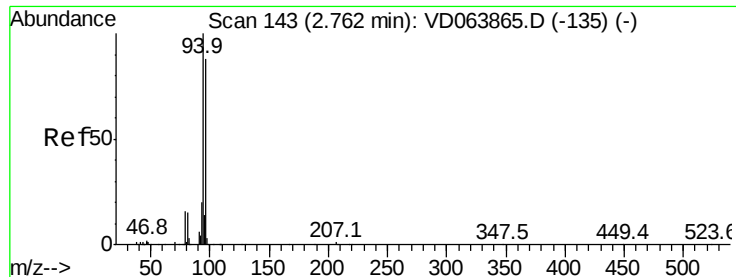
62 100

64 34.4 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 46.130 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

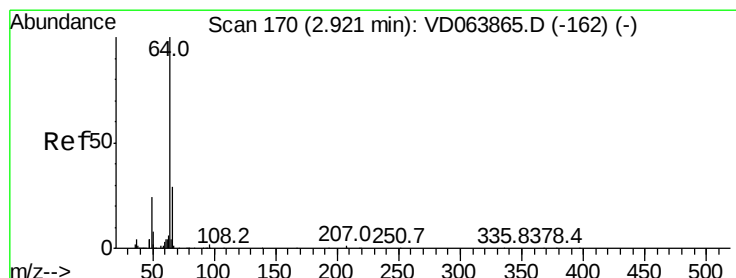
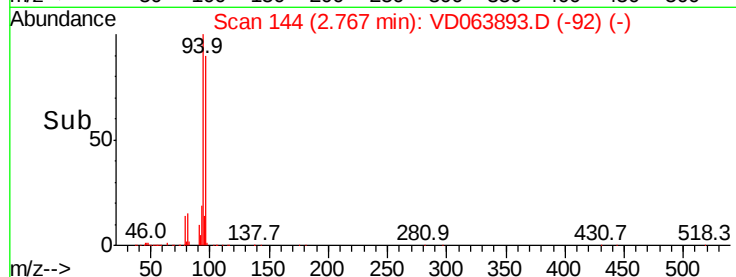
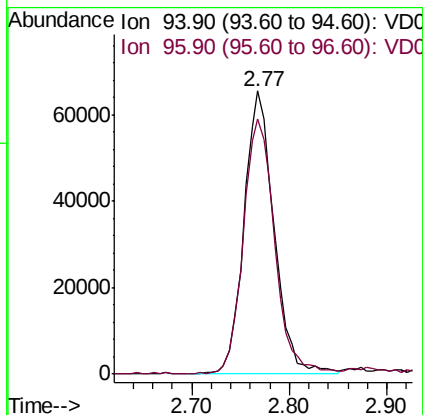
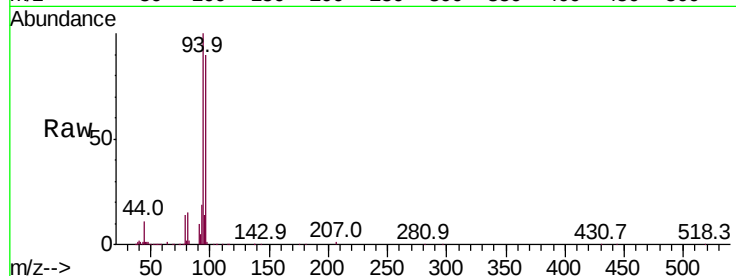
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 139957

Ion Ratio Lower Upper

94 100

96 90.1 70.8 106.2



#6

Chloroethane

Concen: 47.949 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063893.D

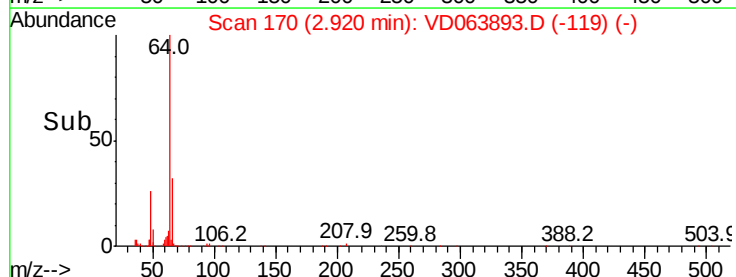
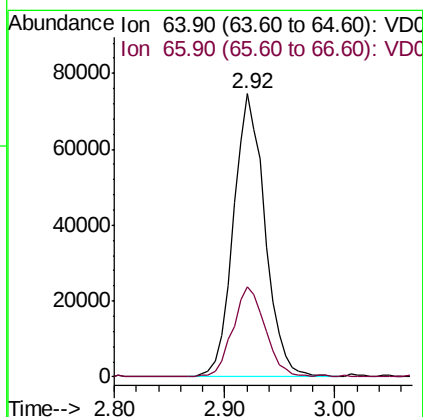
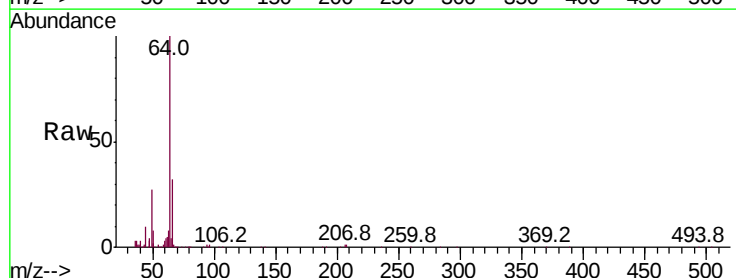
Acq: 07 Oct 2019 10:40

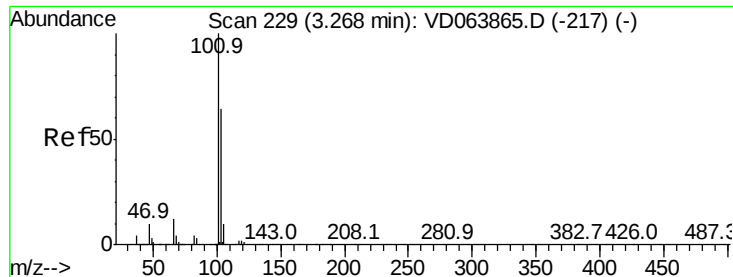
Tgt Ion: 64 Resp: 149647

Ion Ratio Lower Upper

64 100

66 32.0 23.0 34.4



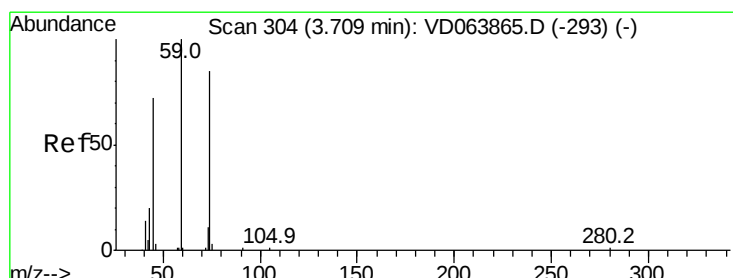
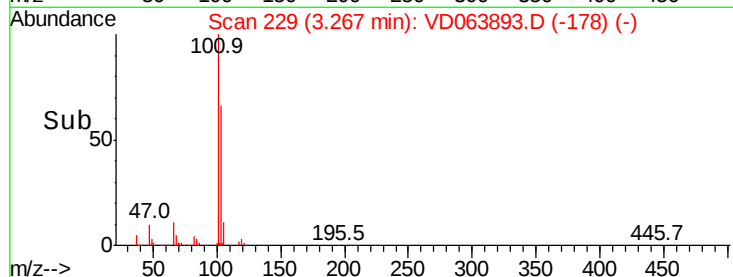
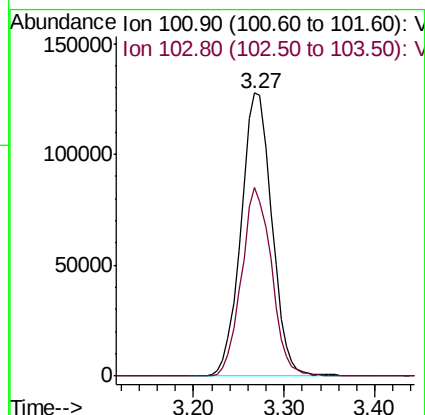
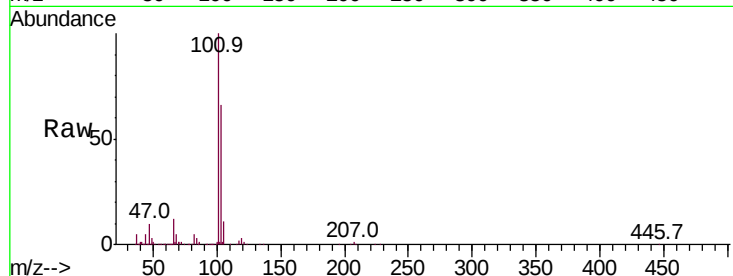


#7

Trichlorofluoromethane
Concen: 48.433 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Instrument :
MSVOA_D
ClientSampled :

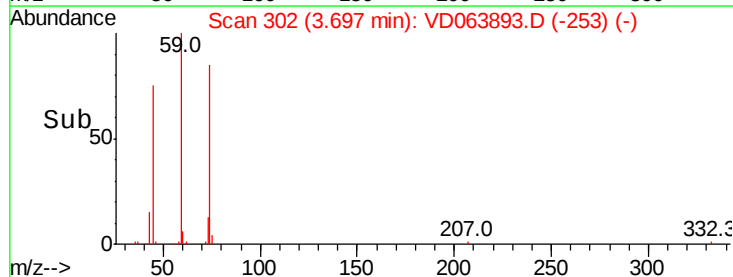
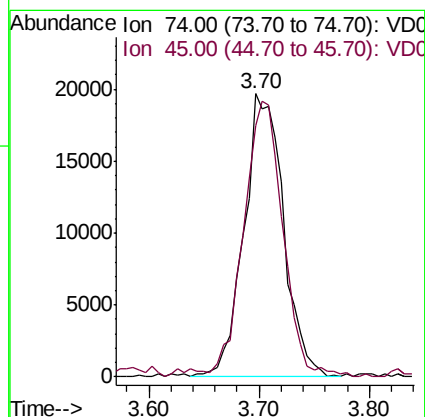
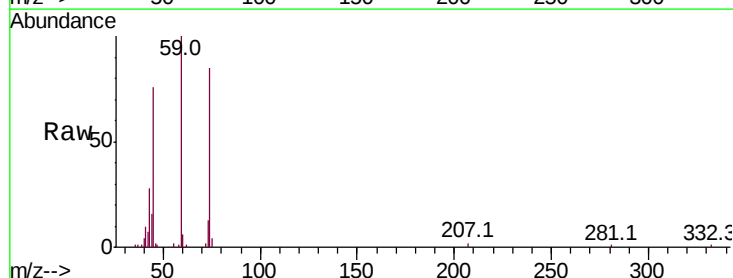
Tot Ion:101 Resp: 302200
Ion Ratio Lower Upper
101 100
103 66.4 51.1 76.7

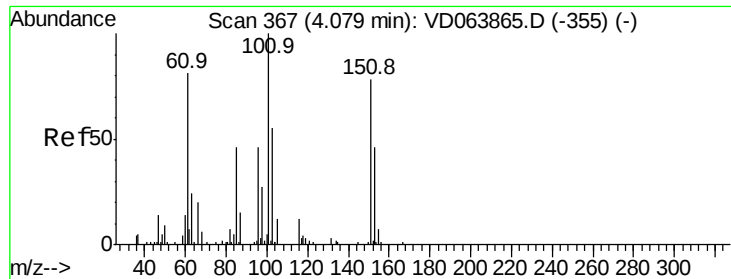


#8

Diethyl Ether
Concen: 49.336 ug/l
RT: 3.70 min Scan# 302
Delta R.T. -0.01 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion: 74 Resp: 49409
Ion Ratio Lower Upper
74 100
45 96.9 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.524 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

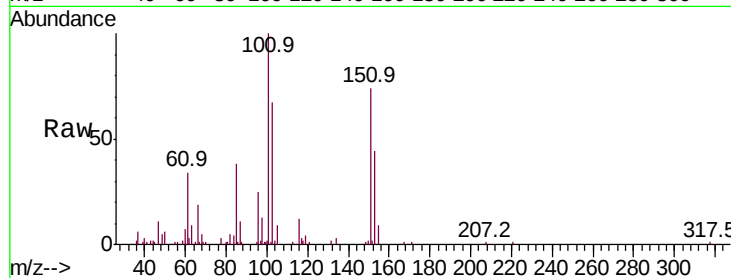
Tot Ion:101 Resp: 92443

Ion Ratio Lower Upper

101 100

85 44.1 37.5 56.3

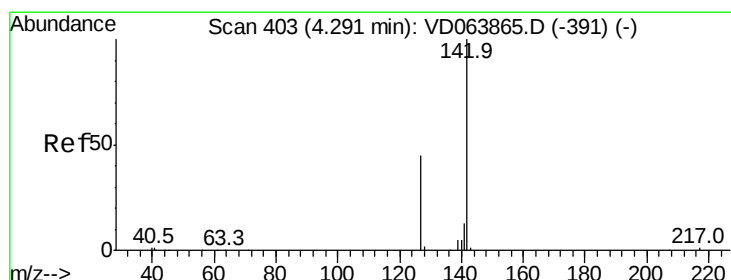
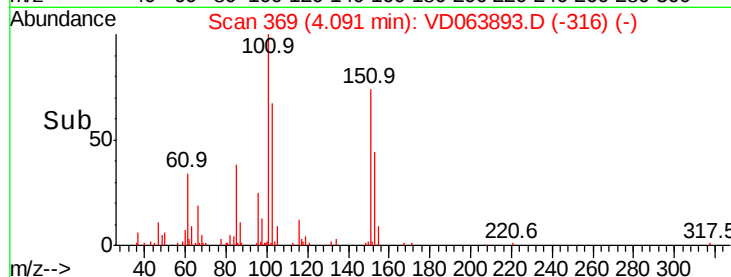
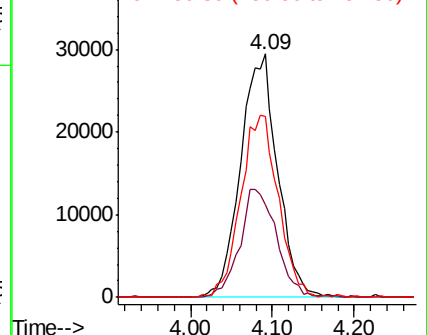
151 75.9 65.5 98.3



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: 53.727 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

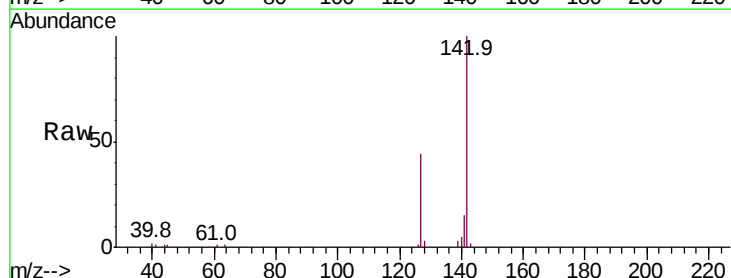
Tgt Ion:142 Resp: 127864

Ion Ratio Lower Upper

142 100

127 45.2 35.3 52.9

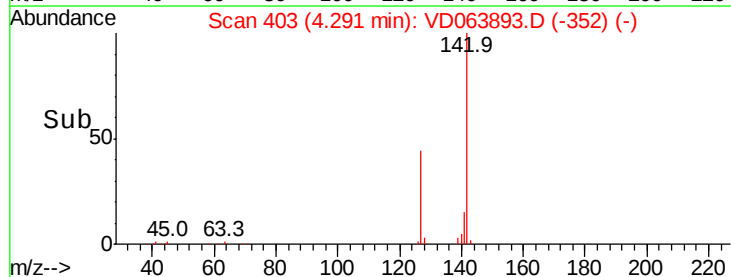
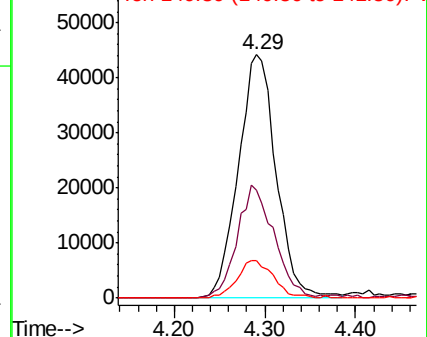
141 15.0 12.2 18.2

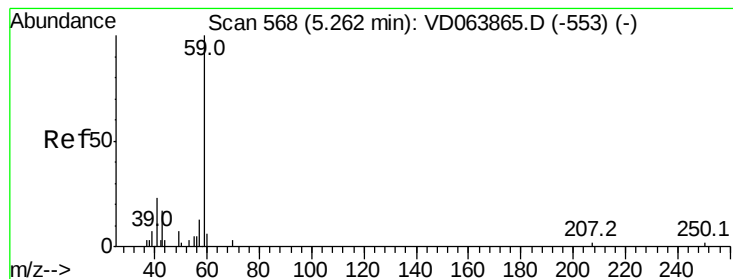


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 262.837 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.02 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

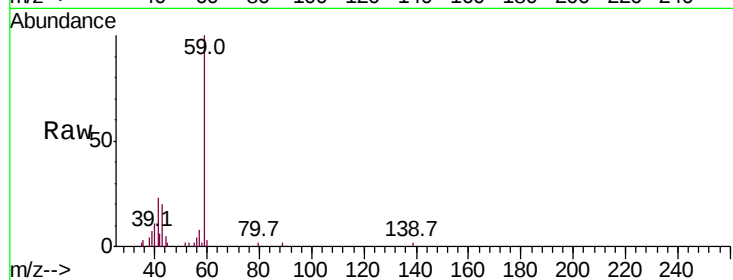
ClientSampled :

Tot Ion: 59 Resp: 36545

Ion Ratio Lower Upper

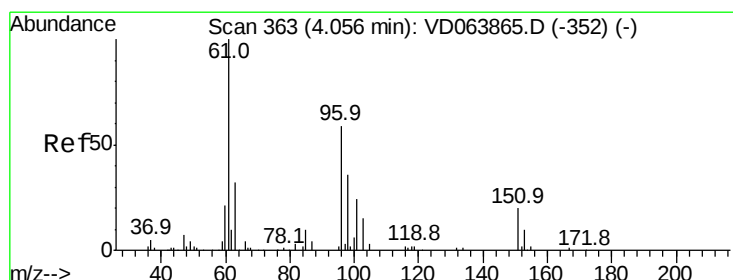
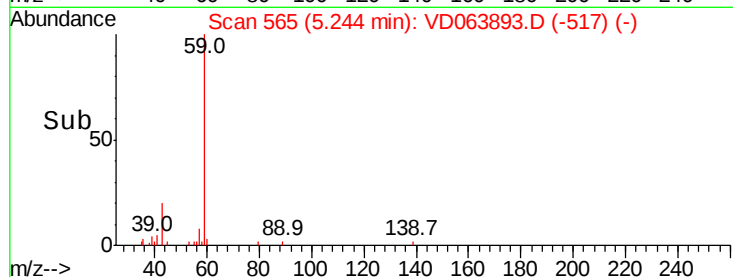
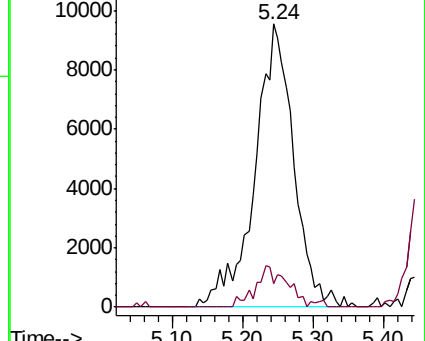
59 100

57 11.6 8.8 13.2



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 52.895 ug/l

RT: 4.06 min Scan# 363

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

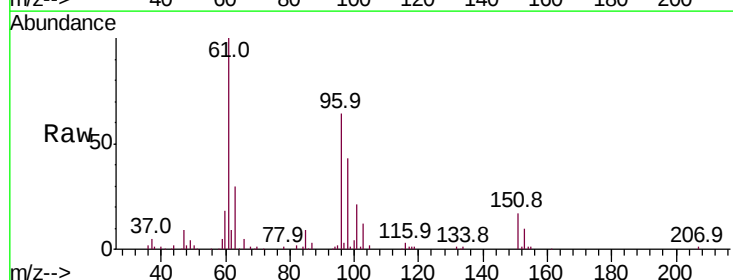
Tgt Ion: 96 Resp: 91273

Ion Ratio Lower Upper

96 100

61 156.1 135.6 203.4

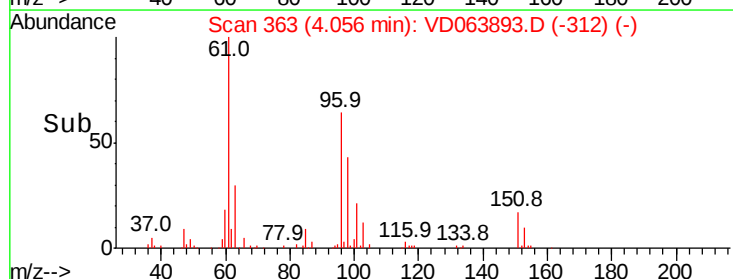
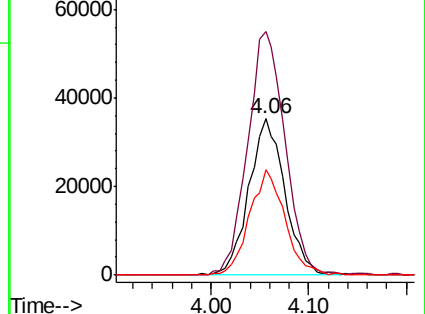
98 67.2 49.2 73.8

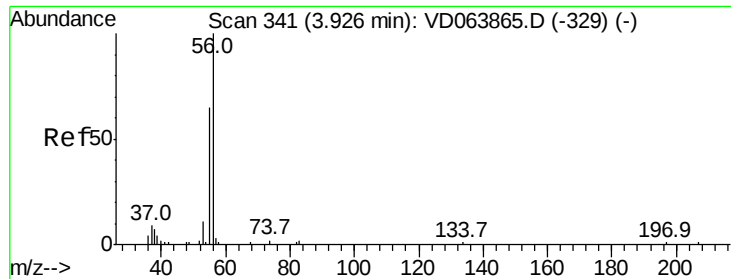


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 250.631 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

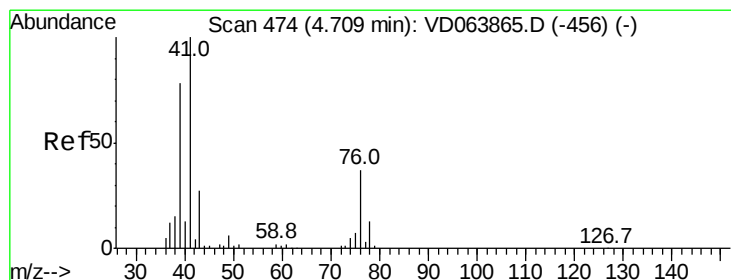
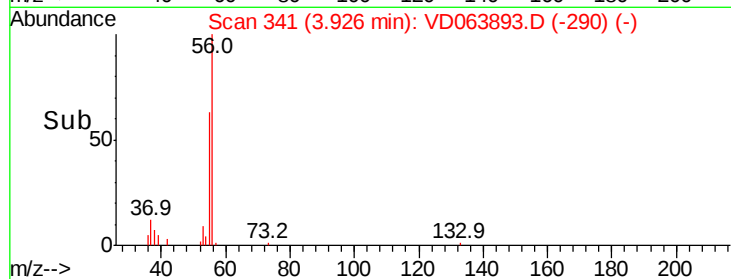
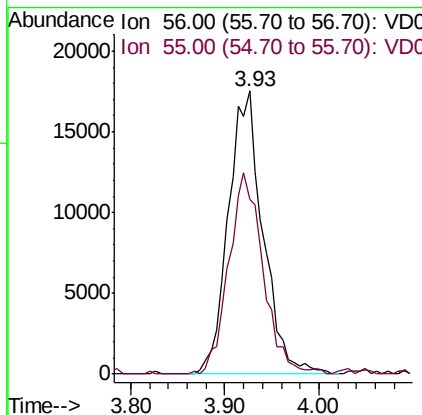
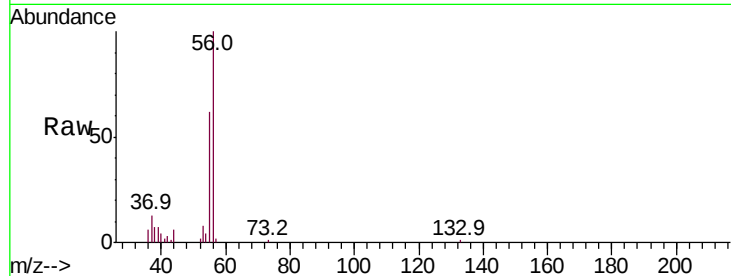
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 44871

Ion Ratio Lower Upper

56 100

55 70.7 53.0 79.6



#14

Allyl chloride

Concen: 50.616 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

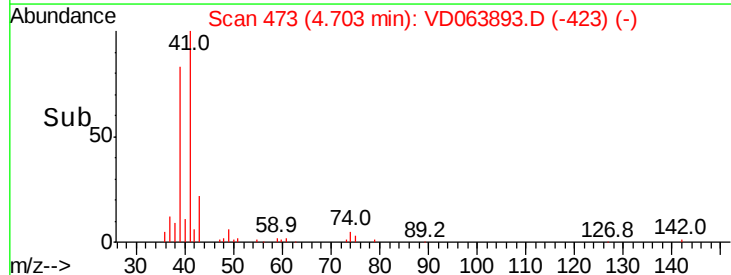
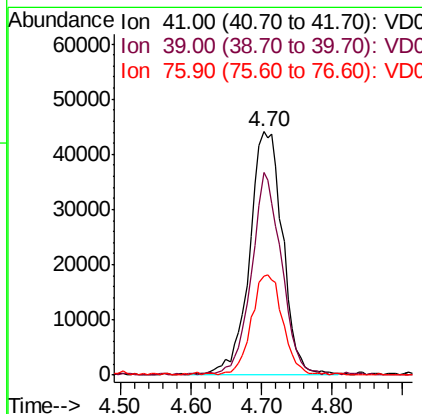
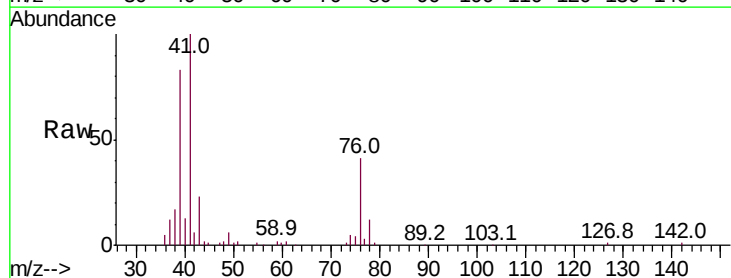
Tgt Ion: 41 Resp: 145209

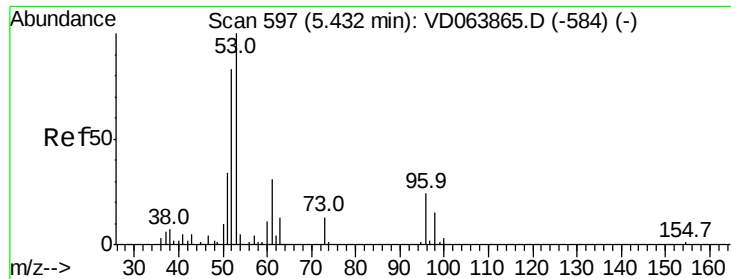
Ion Ratio Lower Upper

41 100

39 75.4 61.8 92.6

76 38.9 31.3 46.9





#15

Acrylonitrile

Concen: 255.898 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

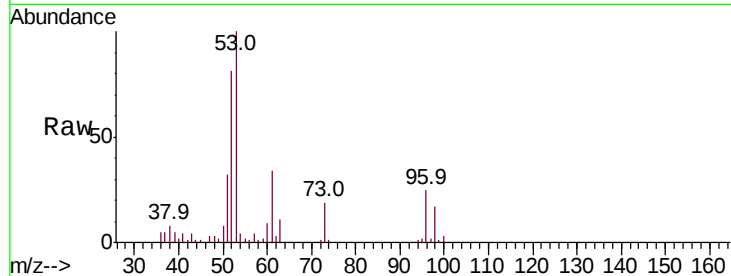
Tot Ion: 53 Resp: 112989

Ion Ratio Lower Upper

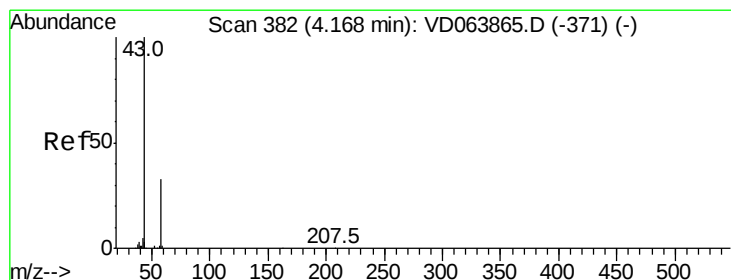
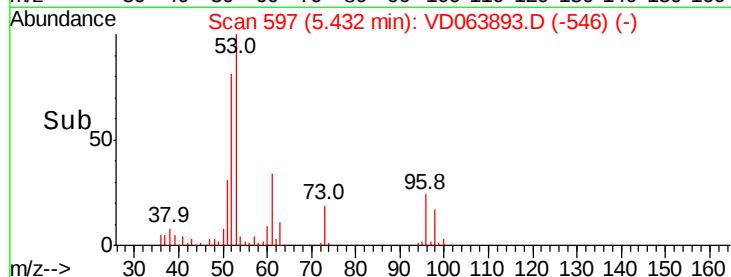
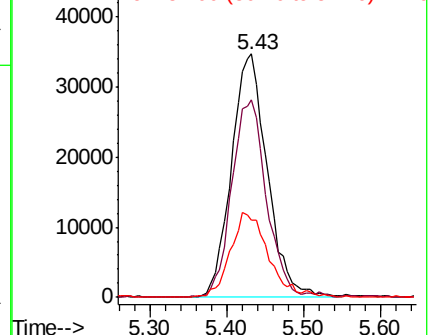
53 100

52 78.4 67.3 100.9

51 36.0 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: 285.445 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD063893.D

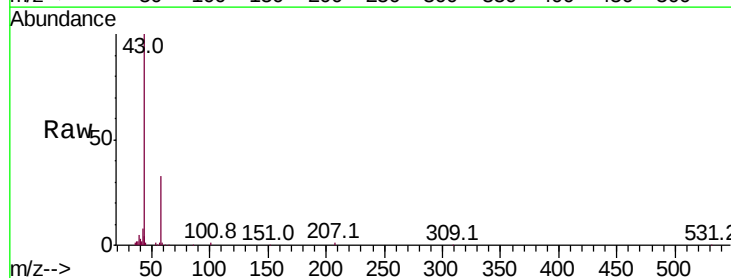
Acq: 07 Oct 2019 10:40

Tgt Ion: 43 Resp: 148970

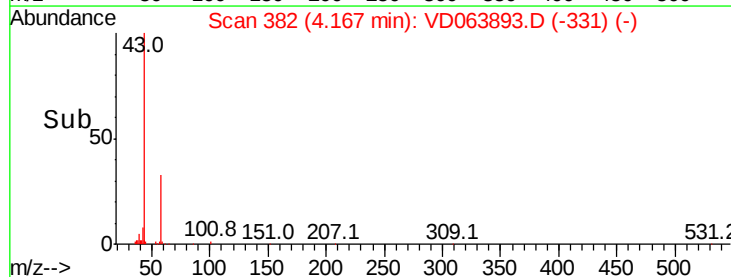
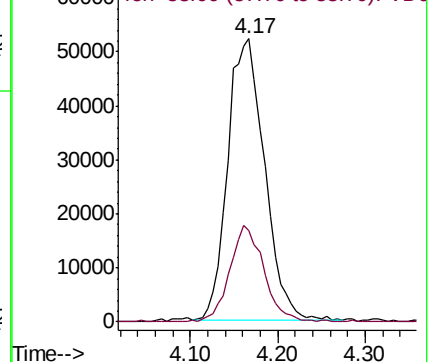
Ion Ratio Lower Upper

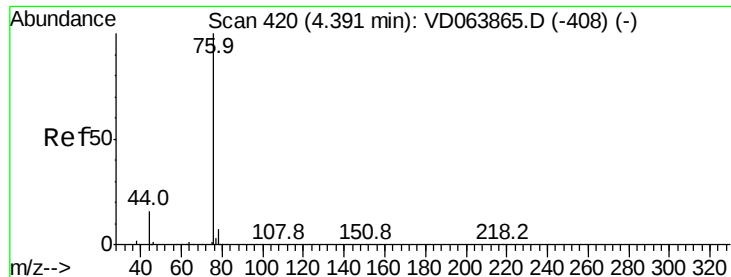
43 100

58 32.8 26.2 39.4



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

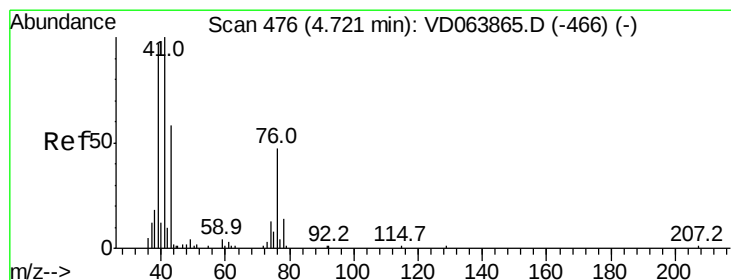
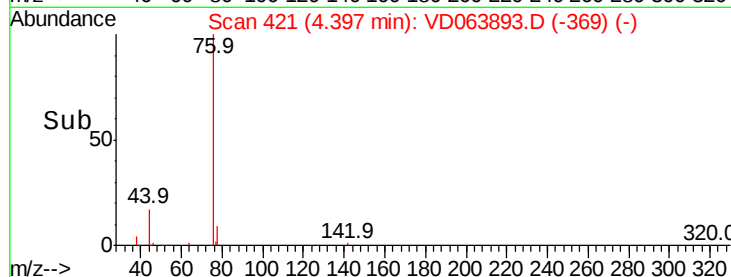
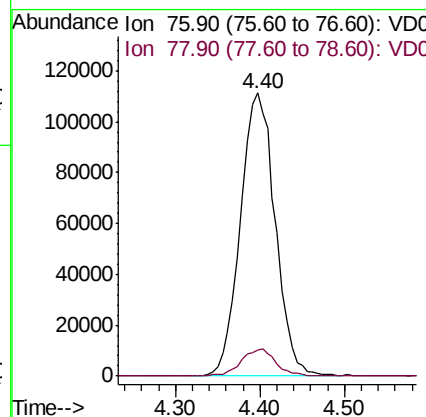
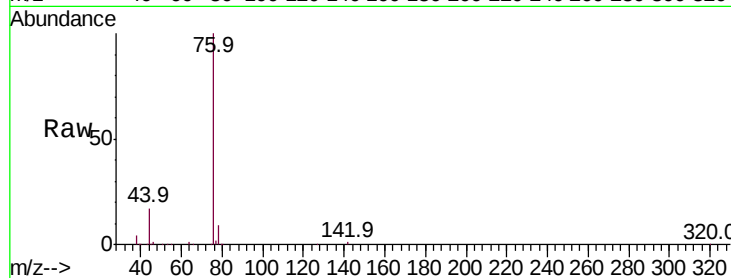




#17
Carbon Disulfide
Concen: 50.648 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.01 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

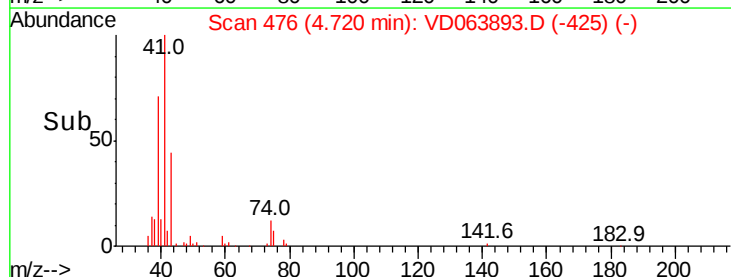
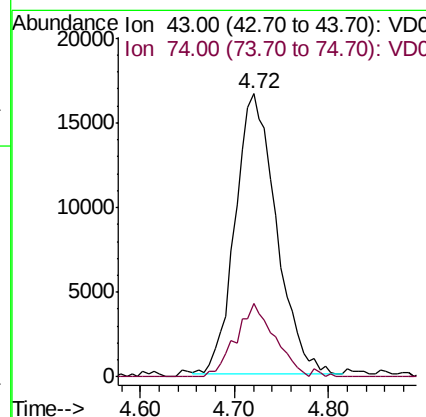
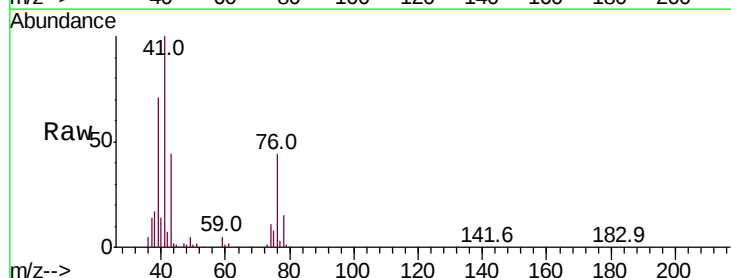
Instrument :
MSVOA_D
ClientSampleId :

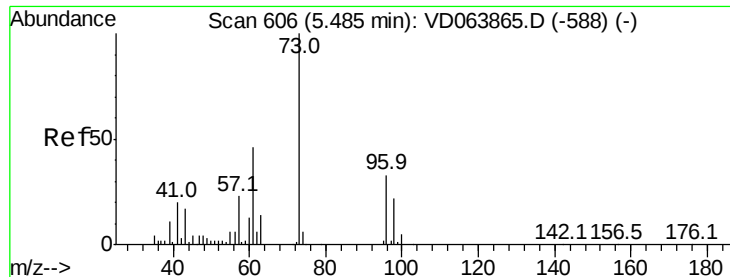
Tot Ion: 76 Resp: 317695
Ion Ratio Lower Upper
76 100
78 9.4 5.8 8.8#



#18
Methyl Acetate
Concen: 49.213 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion: 43 Resp: 50234
Ion Ratio Lower Upper
43 100
74 24.7 20.8 31.2

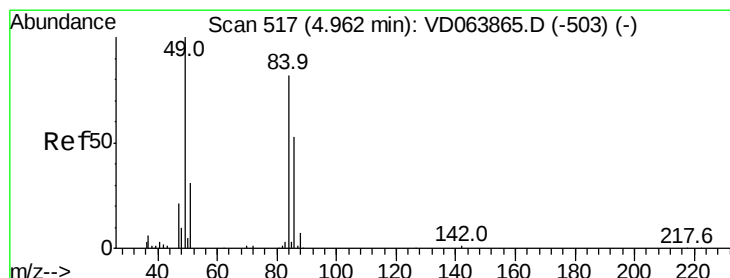
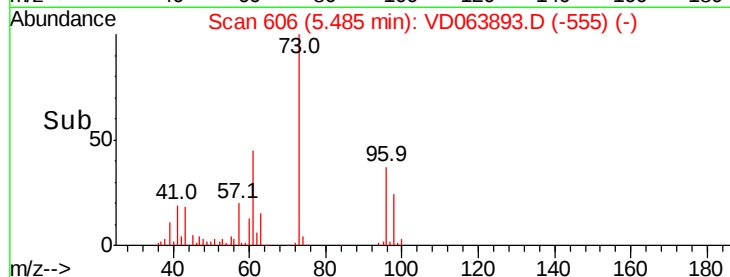
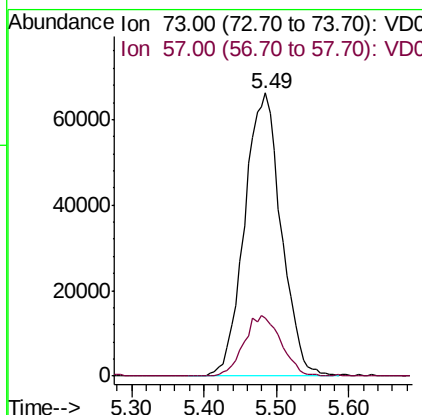
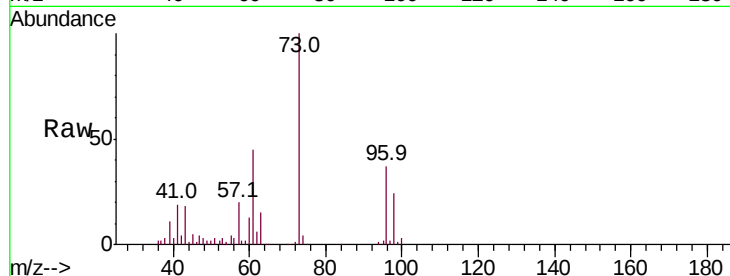




#19
Methvl tert-butvl Ether
Concen: 51.992 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

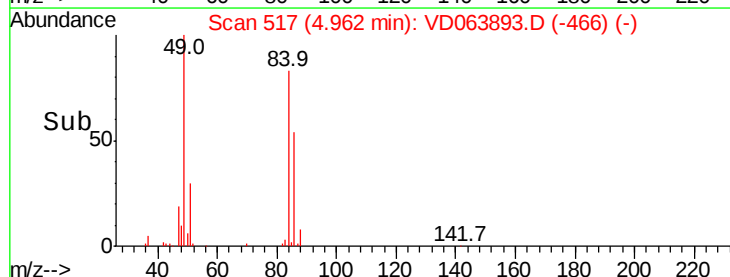
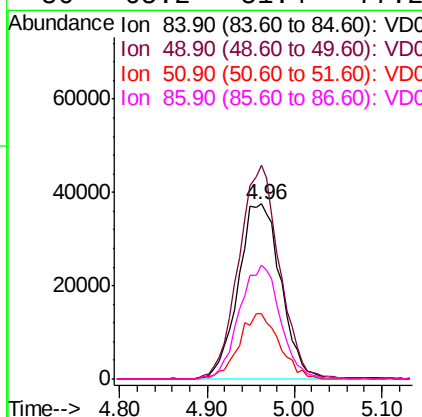
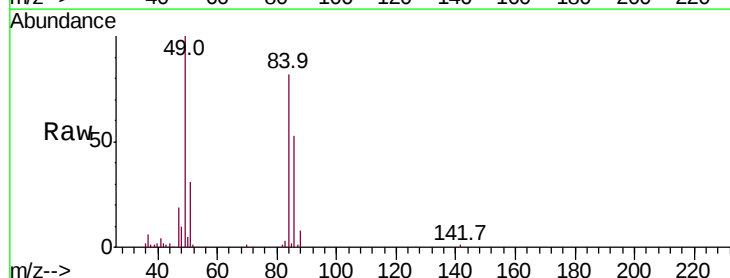
Instrument :
MSVOA_D
ClientSampleId :

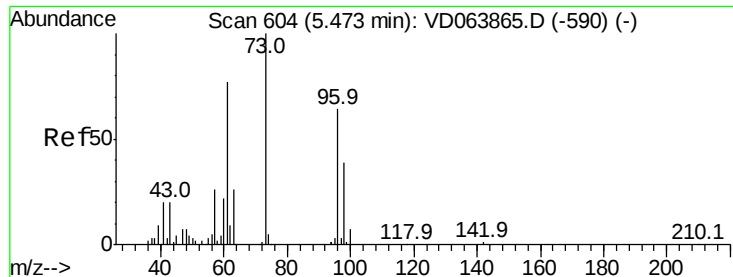
Tot Ion: 73 Resp: 232318
Ion Ratio Lower Upper
73 100
57 20.5 18.1 27.1



#20
Methylene Chloride
Concen: 53.918 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion: 84 Resp: 124310
Ion Ratio Lower Upper
84 100
49 121.9 97.3 145.9
51 37.3 30.1 45.1
86 65.2 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 52.793 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

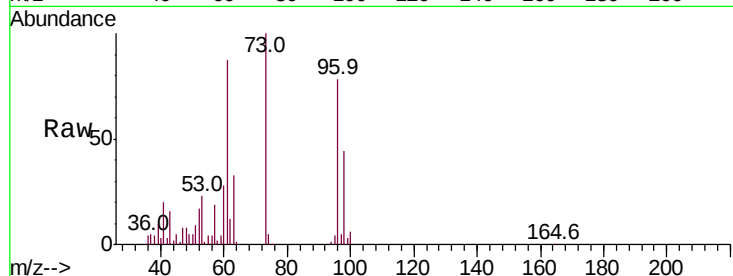
Tot Ion: 96 Resp: 113405

Ion Ratio Lower Upper

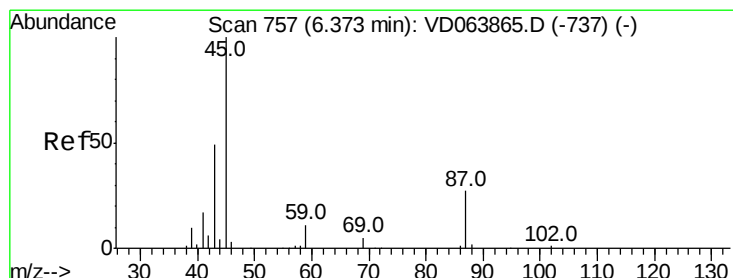
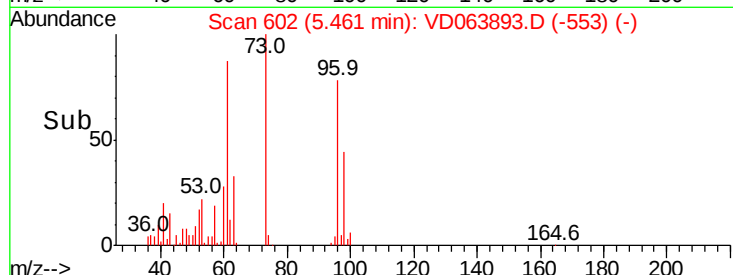
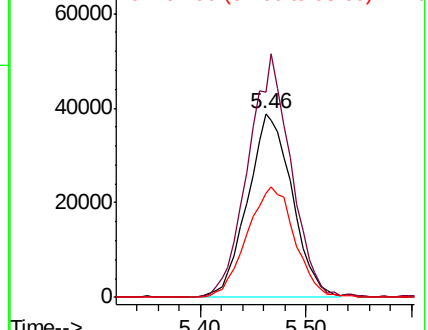
96 100

61 112.0 96.6 145.0

98 56.7 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: 50.103 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Tgt Ion: 45 Resp: 293557

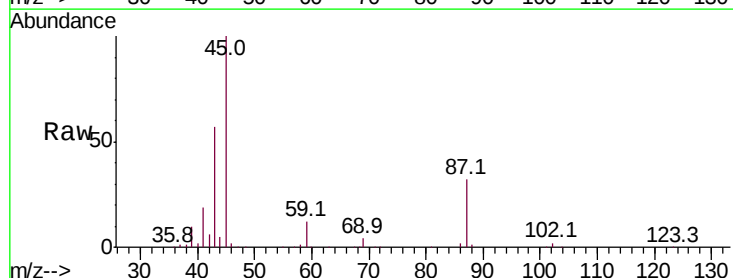
Ion Ratio Lower Upper

45 100

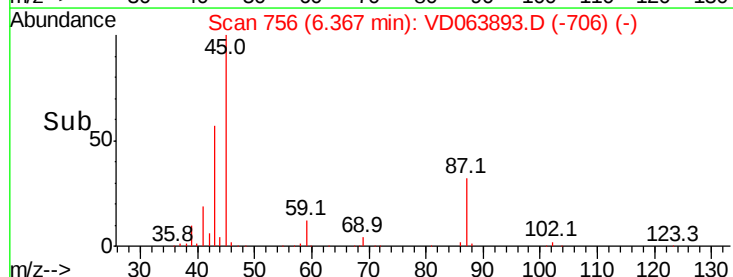
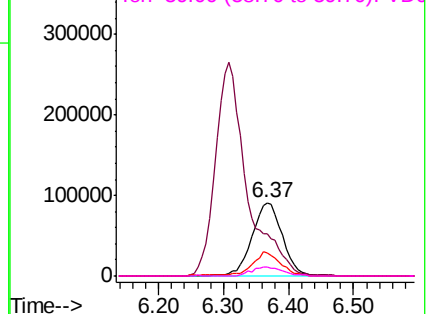
43 56.6 41.2 61.8

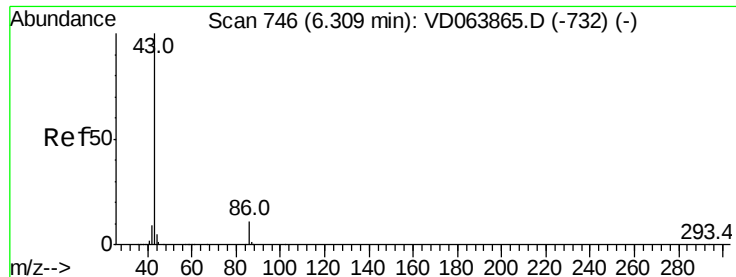
87 31.6 22.2 33.4

59 11.9 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: 255.955 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

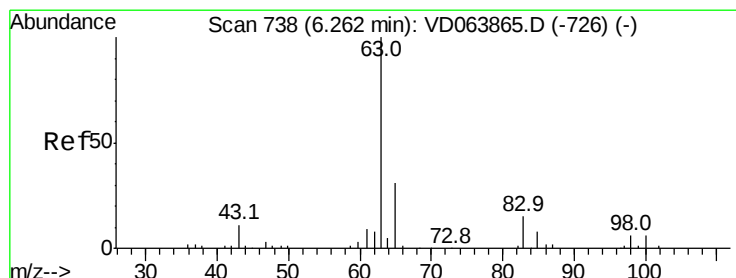
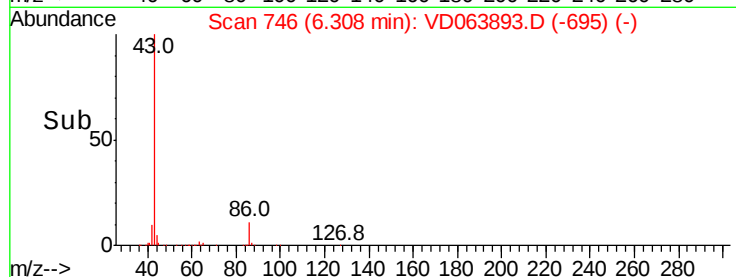
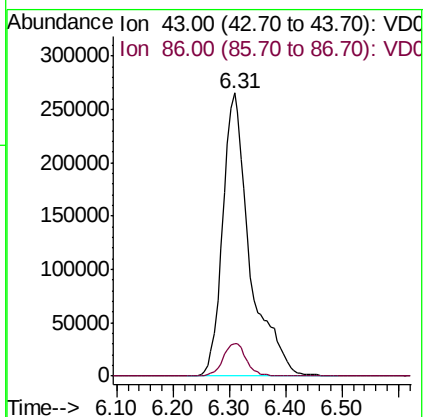
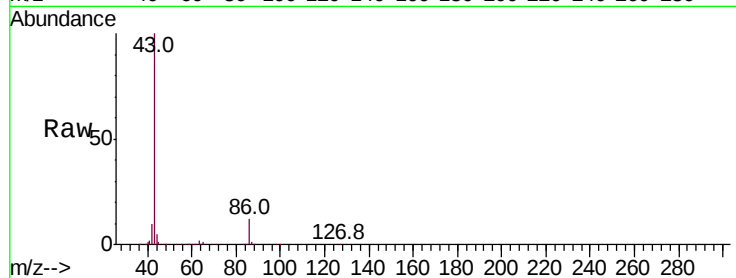
ClientSampleId :

Tot Ion: 43 Resp: 892132

Ion Ratio Lower Upper

43 100

86 11.6 8.8 13.2



#24

1,1-Dichloroethane

Concen: 50.966 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

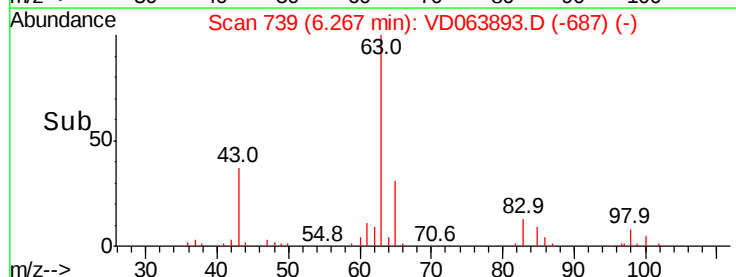
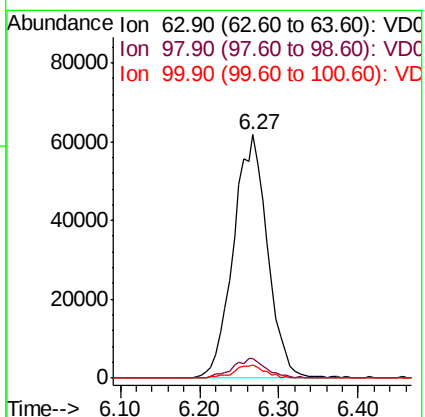
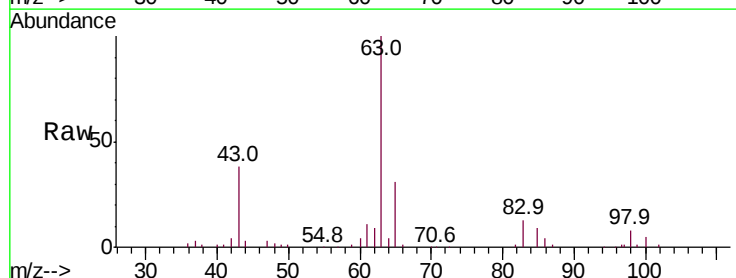
Tgt Ion: 63 Resp: 183934

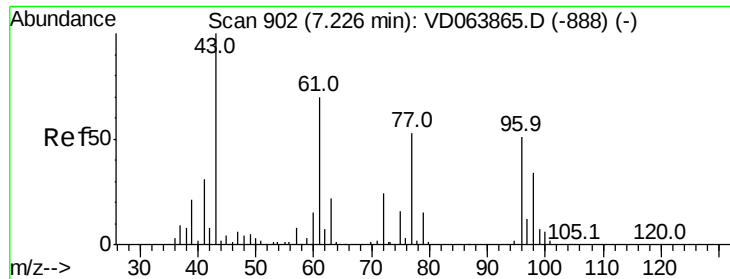
Ion Ratio Lower Upper

63 100

98 8.3 3.1 9.4

100 5.2 3.0 9.2





#25

2-Butanone

Concen: 271.528 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

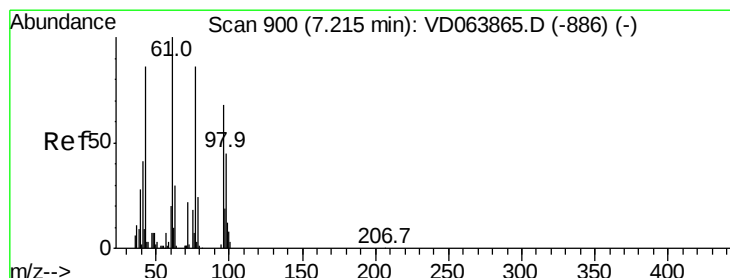
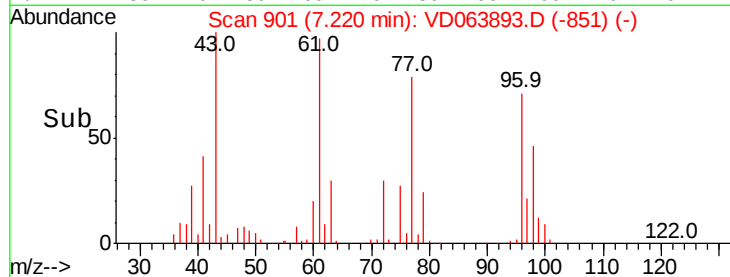
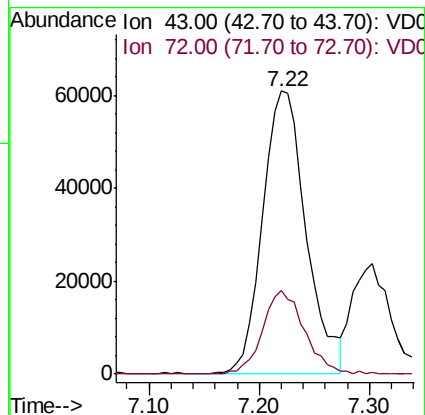
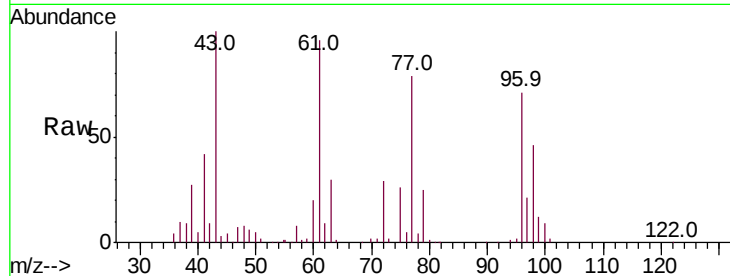
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 167938

Ion Ratio Lower Upper

43 100

72 29.4 19.2 28.8#



#26

2,2-Dichloropropane

Concen: 52.252 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063893.D

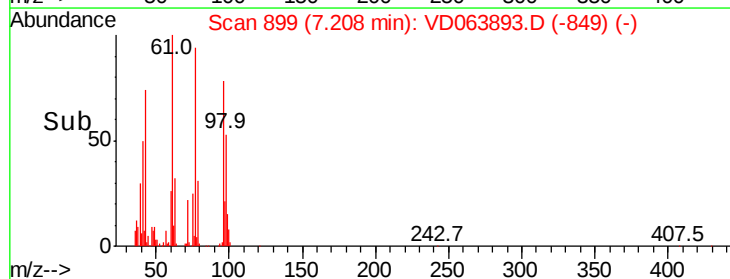
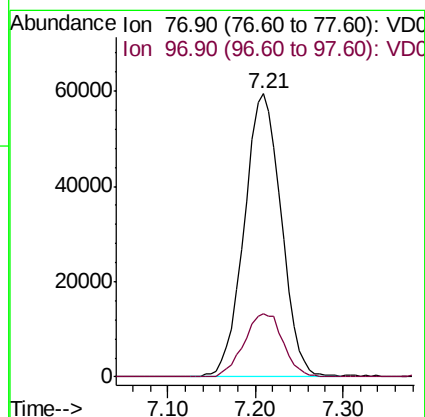
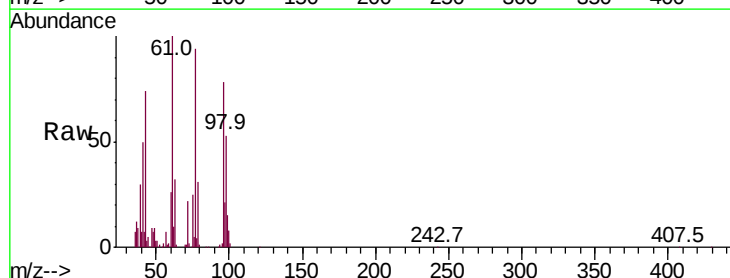
Acq: 07 Oct 2019 10:40

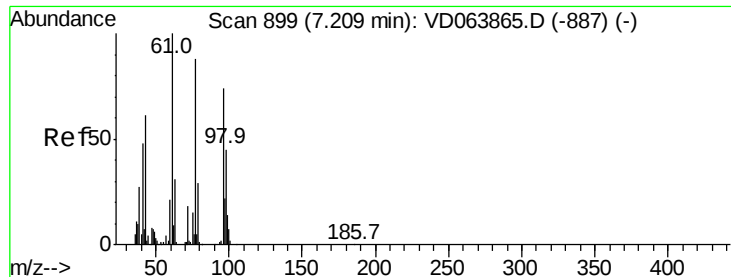
Tgt Ion: 77 Resp: 170584

Ion Ratio Lower Upper

77 100

97 23.5 11.4 34.1



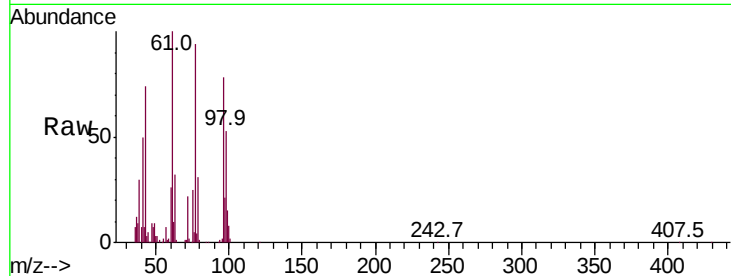


#27

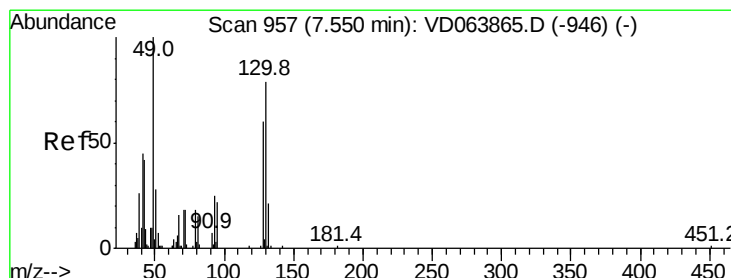
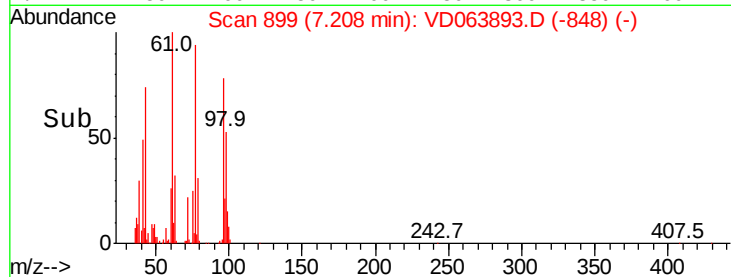
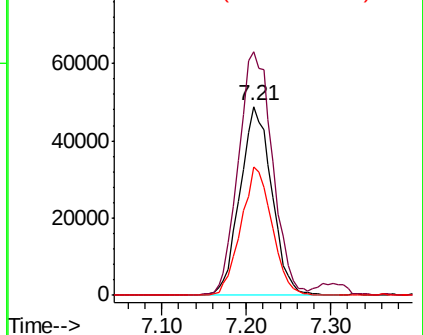
cis-1,2-Dichloroethene
 Concen: 52.634 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 96 Resp: 127974
 Ion Ratio Lower Upper
 96 100
 61 138.4 0.0 280.0
 98 66.5 0.0 130.4



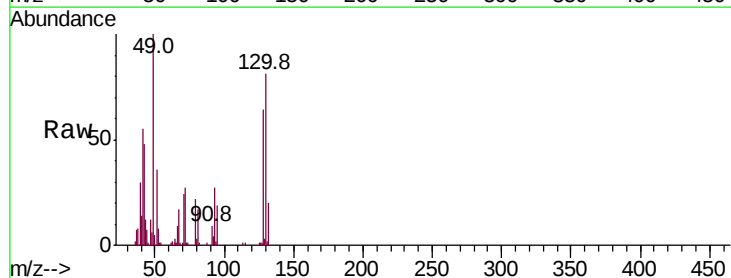
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



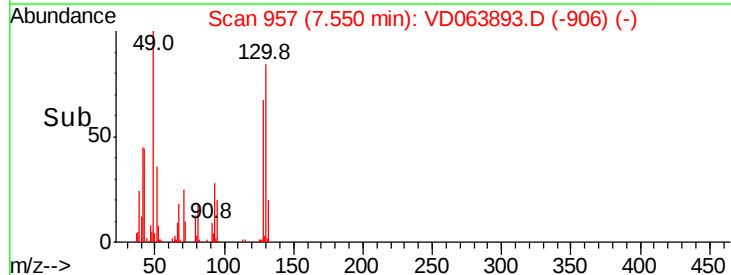
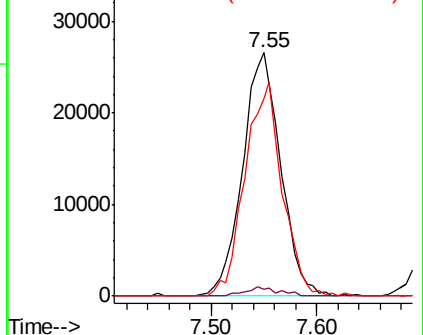
#28

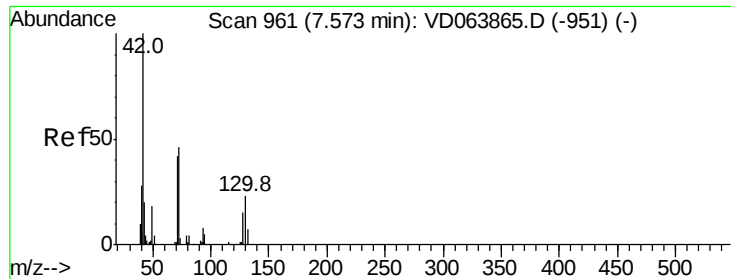
Bromochloromethane
 Concen: 48.615 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Tgt Ion: 49 Resp: 66630
 Ion Ratio Lower Upper
 49 100
 129 3.2 0.0 5.6
 130 85.6 66.8 100.2



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

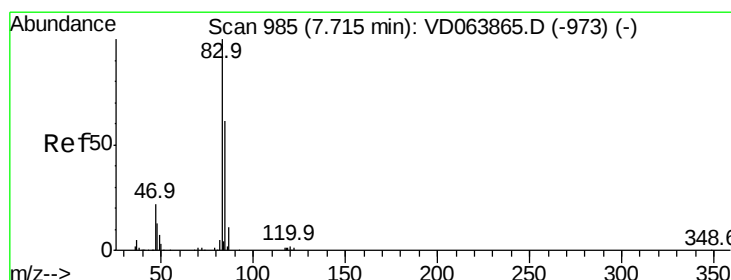
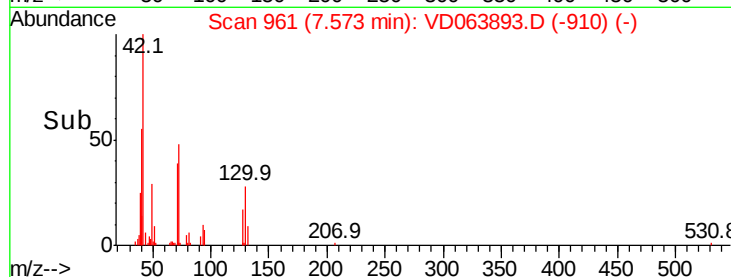
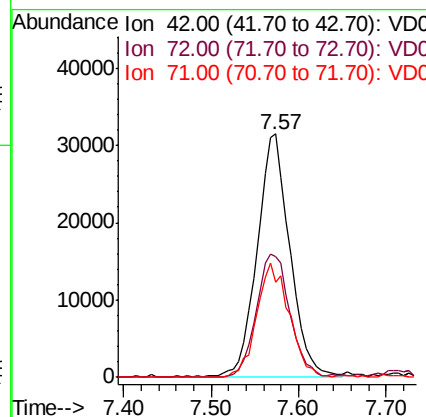
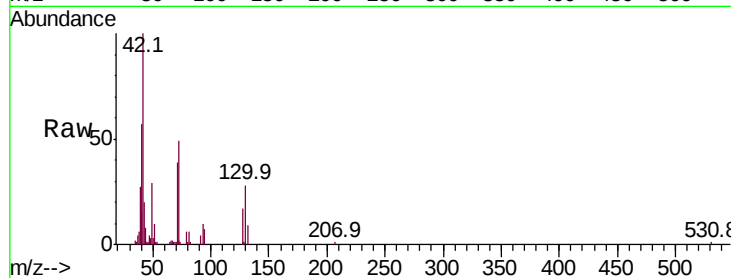




#29
Tetrahydrofuran
Concen: 224.342 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

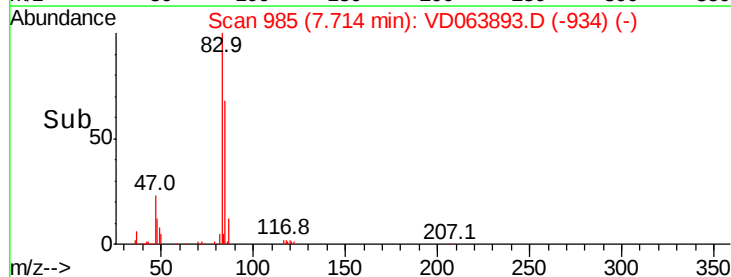
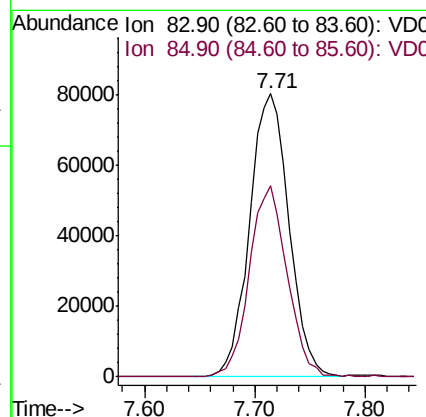
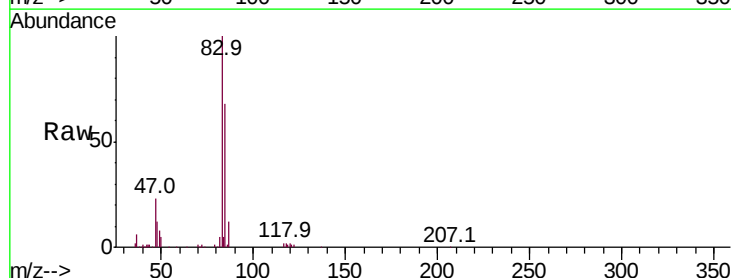
Instrument :
MSVOA_D
ClientSampleId :

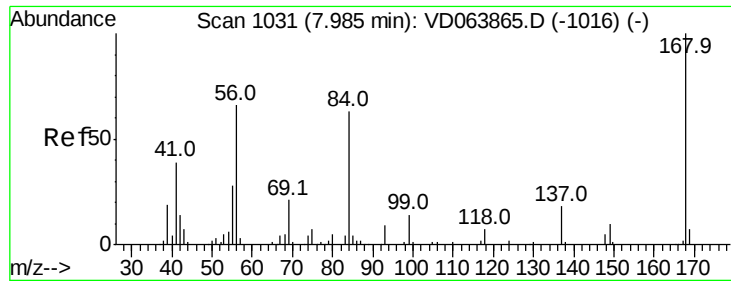
Tot Ion: 42 Resp: 80988
Ion Ratio Lower Upper
42 100
72 51.5 37.6 56.4
71 46.2 35.0 52.6



#30
Chloroform
Concen: 51.382 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion: 83 Resp: 201407
Ion Ratio Lower Upper
83 100
85 67.6 48.9 73.3

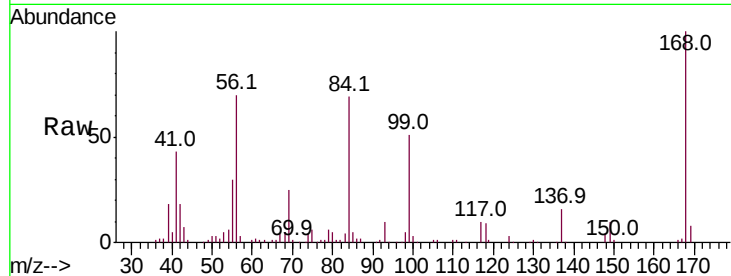




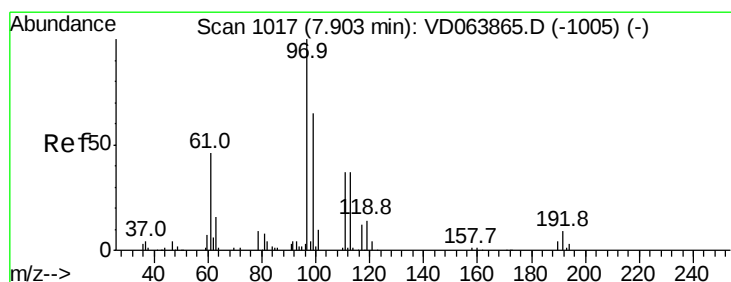
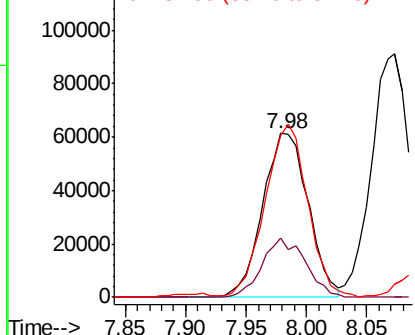
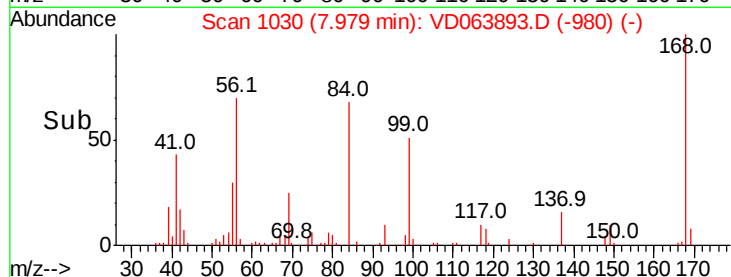
#31
Cyclohexane
Concen: 54.011 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 160203
Ion Ratio Lower Upper
56 100
69 36.2 25.0 37.4
84 96.8 76.3 114.5

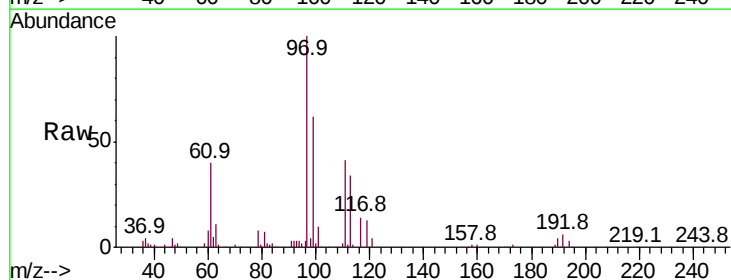


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

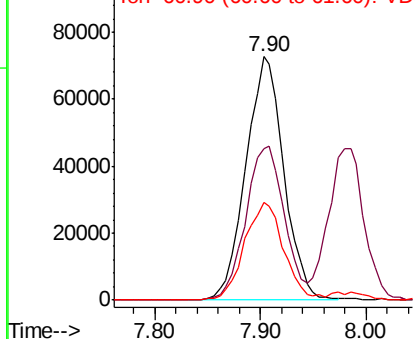
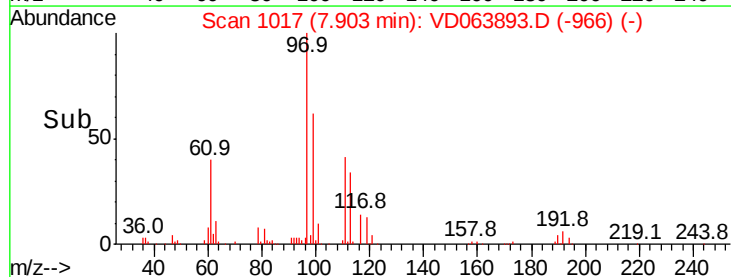


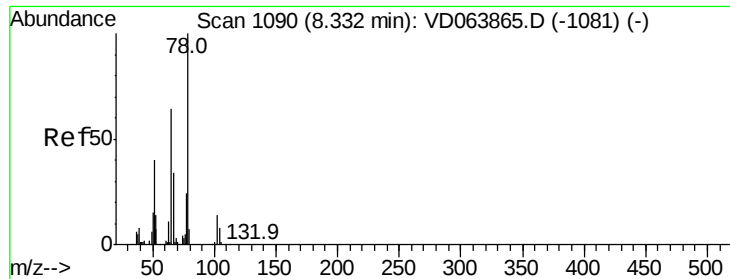
#32
1,1,1-Trichloroethane
Concen: 54.007 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion: 97 Resp: 181594
Ion Ratio Lower Upper
97 100
99 64.5 52.4 78.6
61 41.4 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

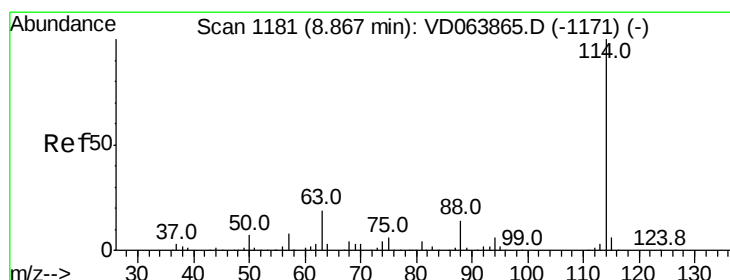
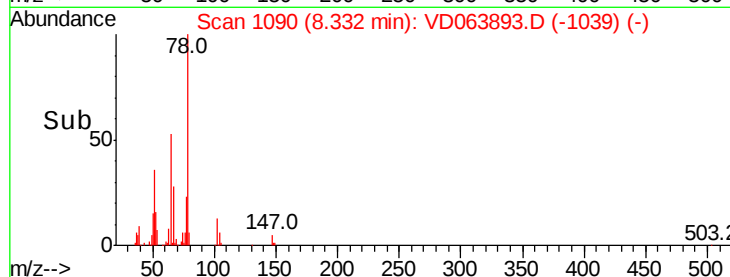
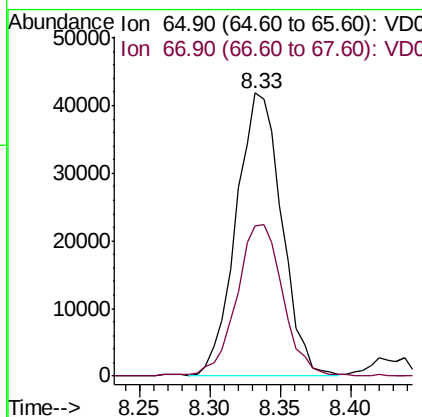
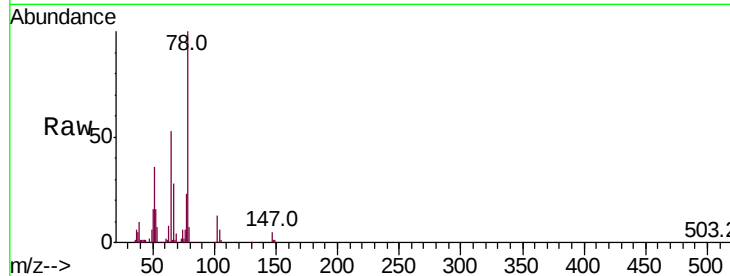




#33
 1,2-Dichloroethane-d4
 Concen: 47.238 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

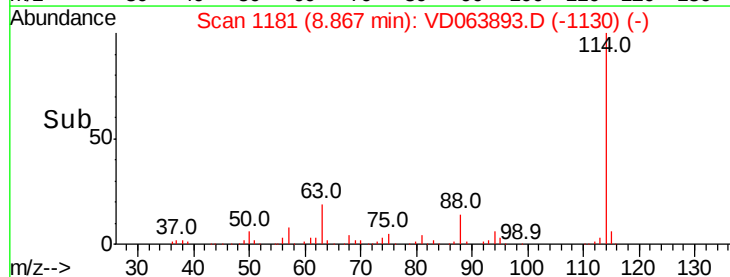
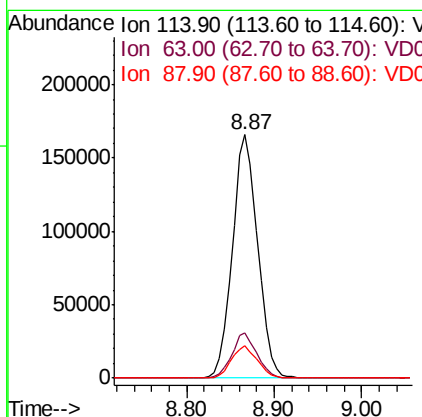
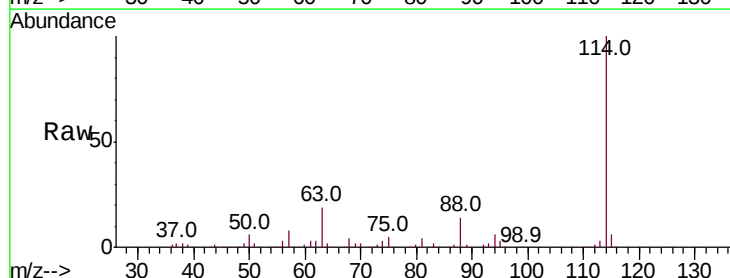
Instrument :
 MSVOA_D
 ClientSampleId :

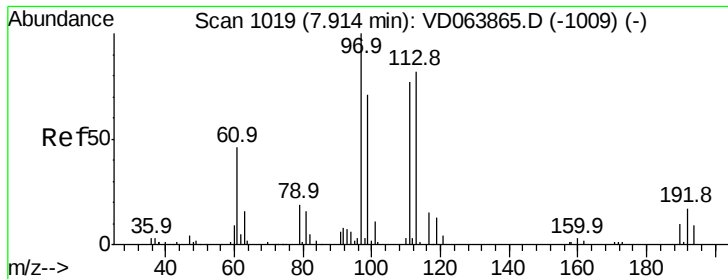
Tot Ion: 65 Resp: 94690
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Tgt Ion:114 Resp: 323712
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 38.4
 88 13.5 0.0 27.4

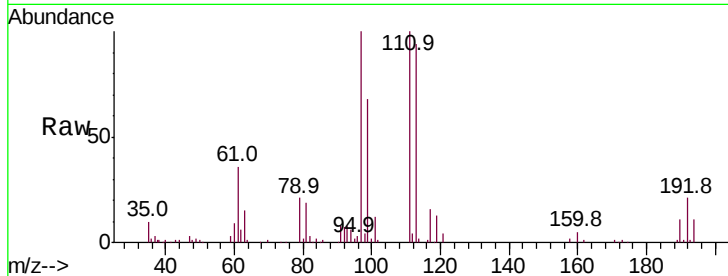




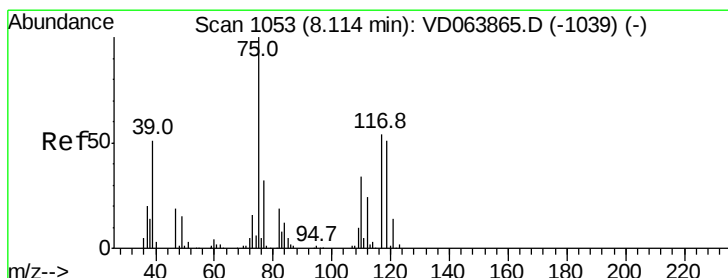
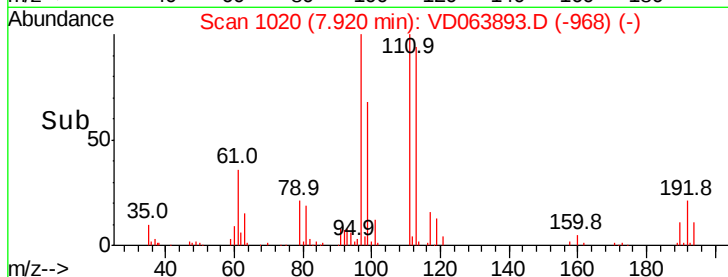
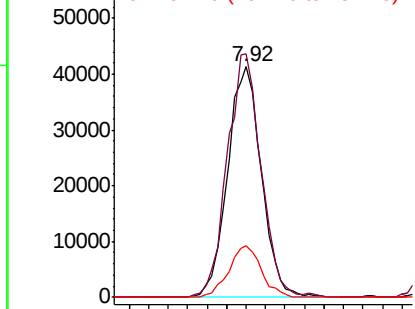
#35
 Dibromofluoromethane
 Concen: 50.095 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 99103
 Ion Ratio Lower Upper
 113 100
 111 106.0 82.6 123.8
 192 21.5 17.1 25.7

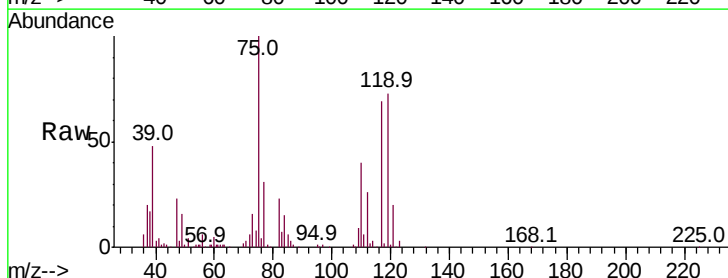


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

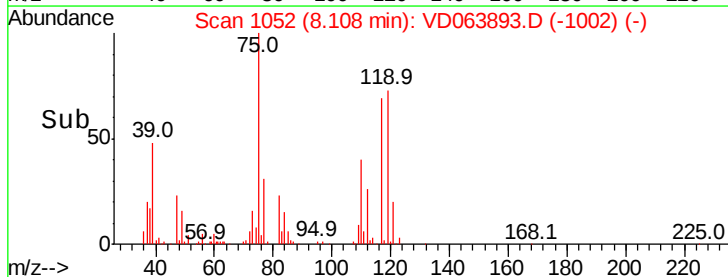
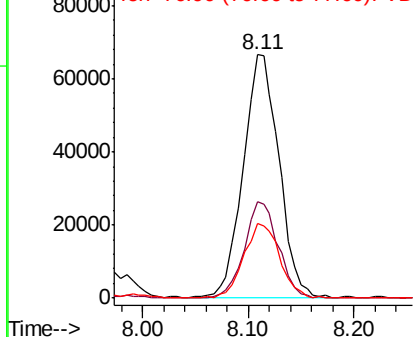


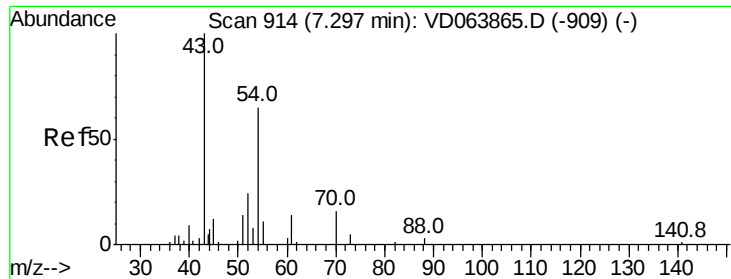
#36
 1,1-Dichloropropene
 Concen: 53.095 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Tgt Ion: 75 Resp: 157150
 Ion Ratio Lower Upper
 75 100
 110 37.4 17.4 52.3
 77 30.9 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

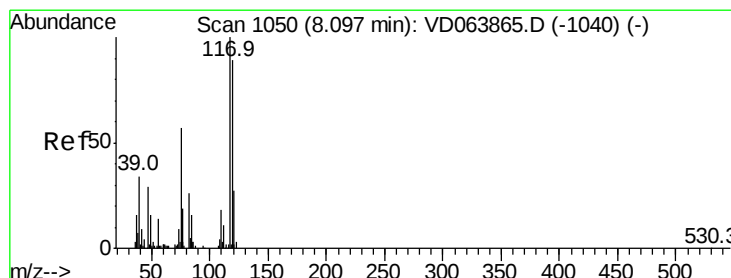
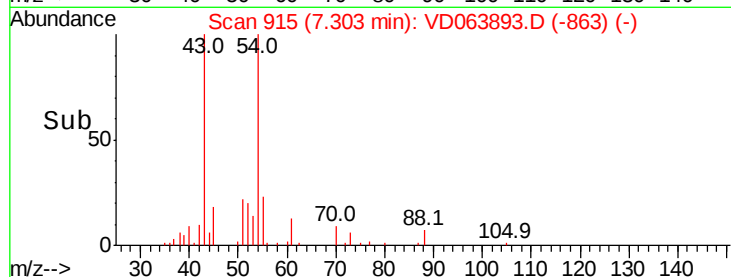
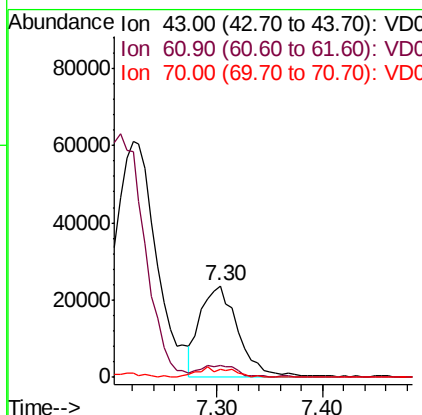
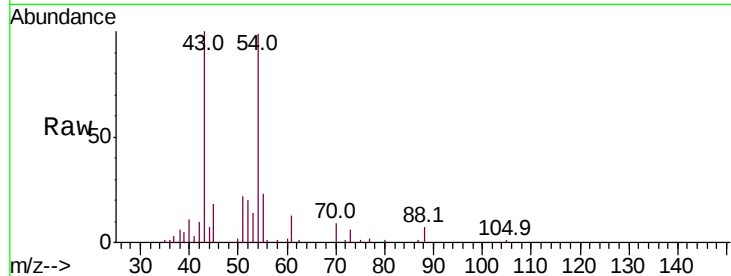




#37
Ethyl Acetate
Concen: 50.143 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

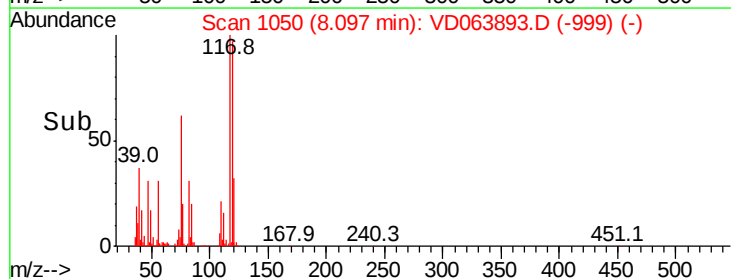
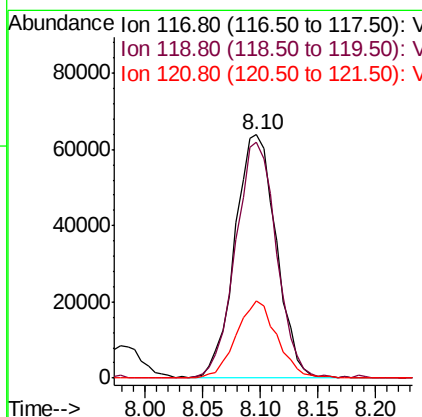
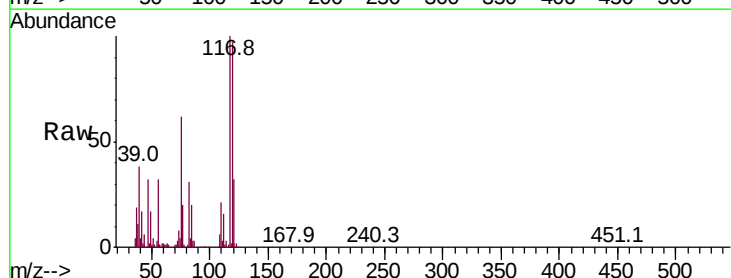
Instrument :
MSVOA_D
ClientSampleId :

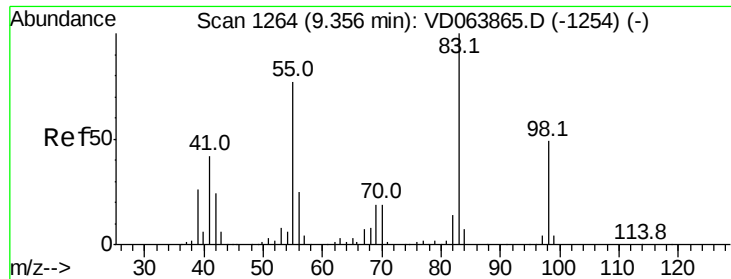
Tot Ion: 43 Resp: 59498
Ion Ratio Lower Upper
43 100
61 12.0 11.5 17.3
70 4.8 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 53.090 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion: 117 Resp: 158791
Ion Ratio Lower Upper
117 100
119 96.9 70.8 106.2
121 31.6 21.4 32.0

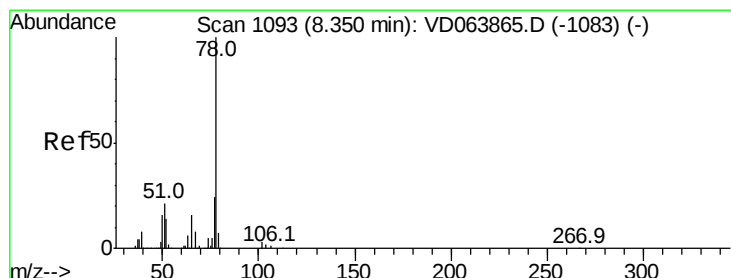
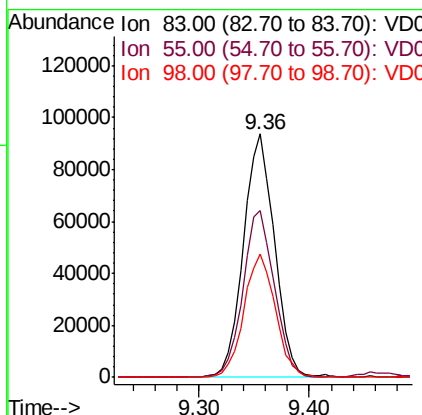
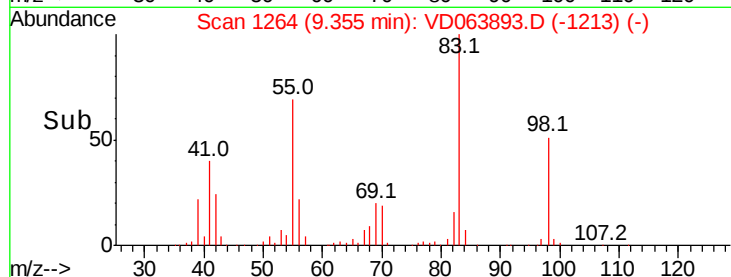
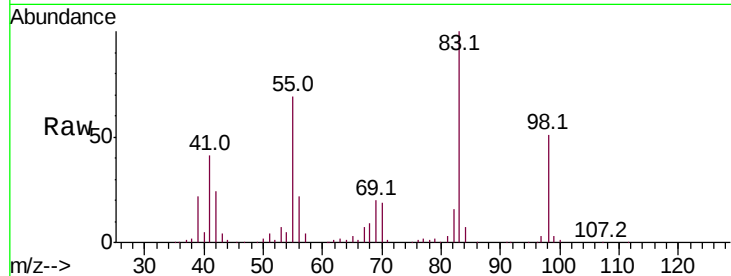




#39
Methvlcvclohexane
Concen: 51.166 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

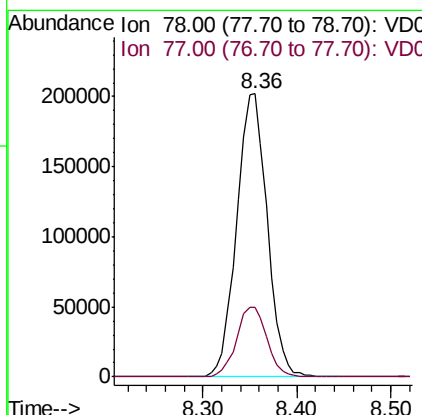
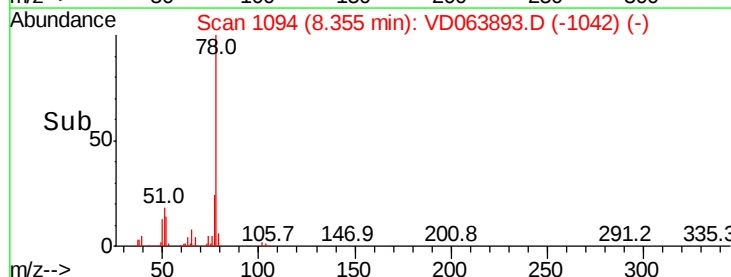
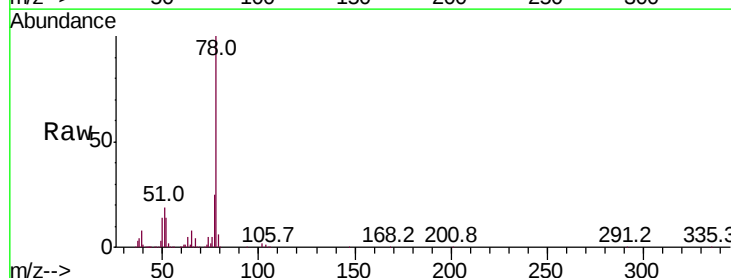
Instrument :
MSVOA_D
ClientSampled :

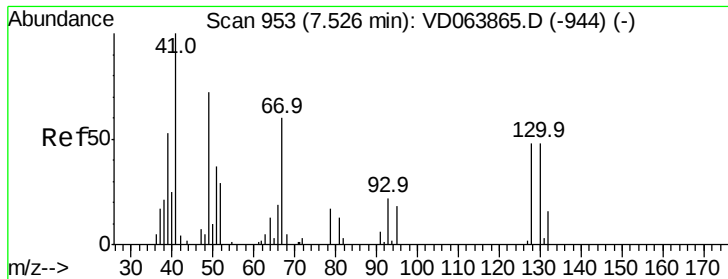
Tot Ion: 83 Resp: 186204
Ion Ratio Lower Upper
83 100
55 68.5 61.3 91.9
98 50.6 39.3 58.9



#40
Benzene
Concen: 53.639 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion: 78 Resp: 454962
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.6





#41

Methacrylonitrile

Concen: 48.460 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 33254

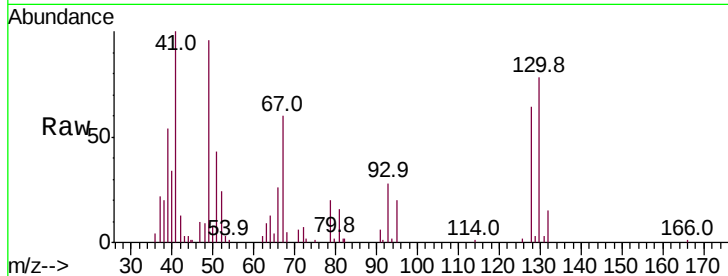
Ion Ratio Lower Upper

41 100

39 68.0 52.6 78.8

67 80.1 74.2 111.2

52 34.5 34.0 51.0

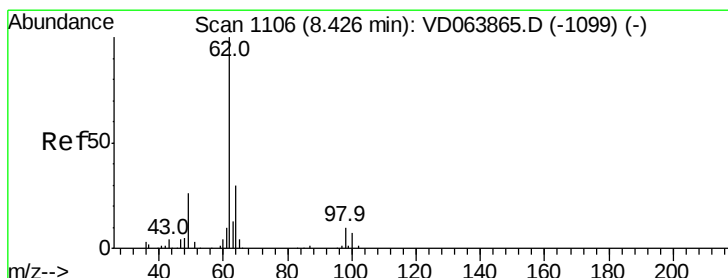
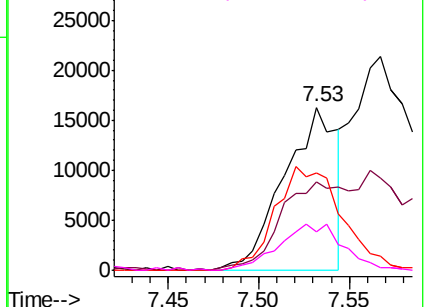
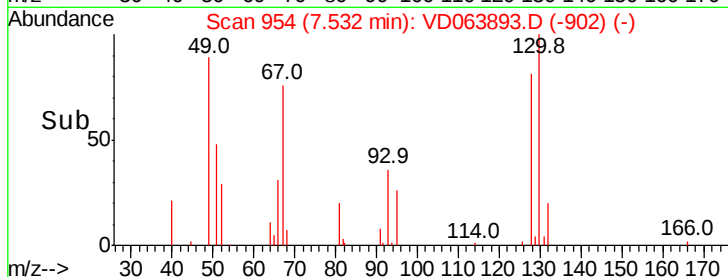


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 50.589 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD063893.D

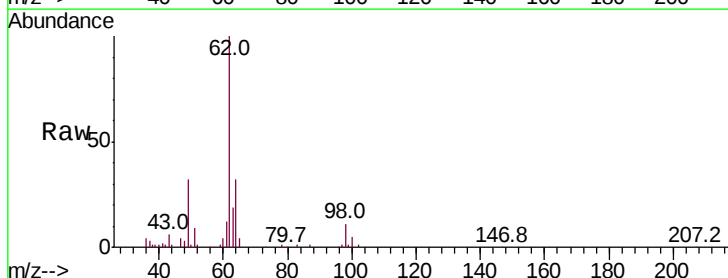
Acq: 07 Oct 2019 10:40

Tgt Ion: 62 Resp: 124121

Ion Ratio Lower Upper

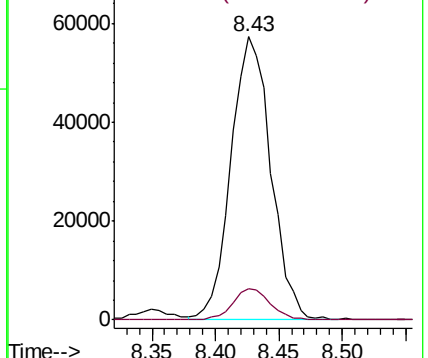
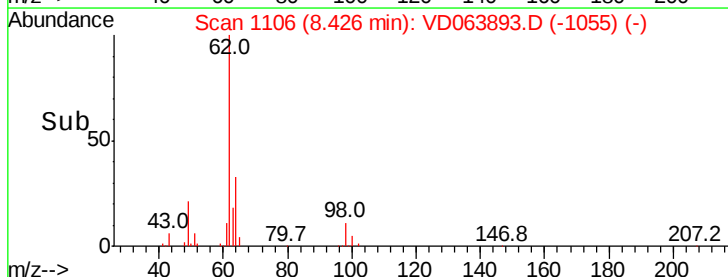
62 100

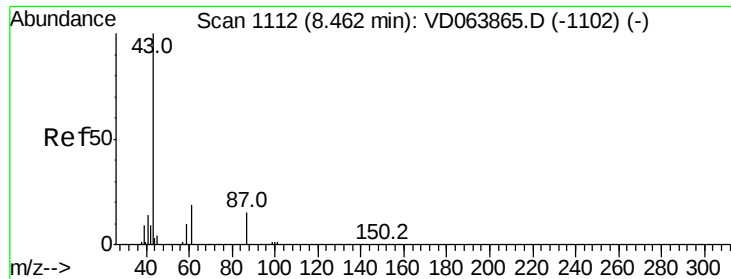
98 10.4 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 47.666 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

ClientSampled :

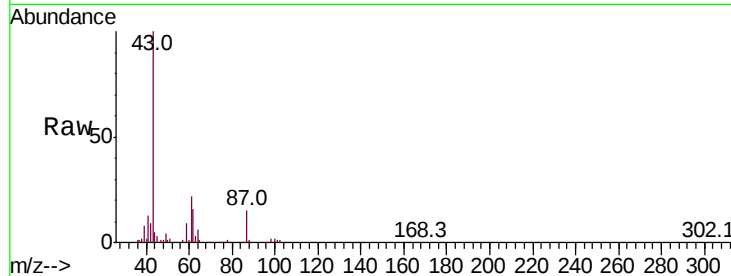
Tot Ion: 43 Resp: 118316

Ion Ratio Lower Upper

43 100

61 31.5 25.7 38.5

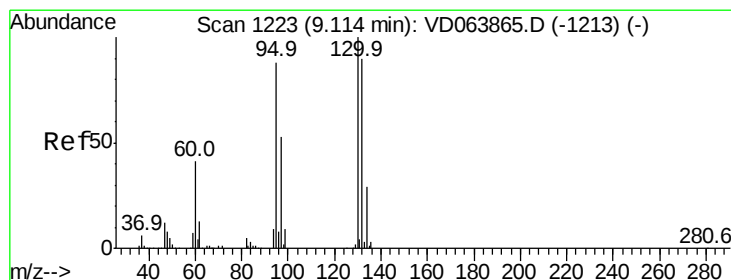
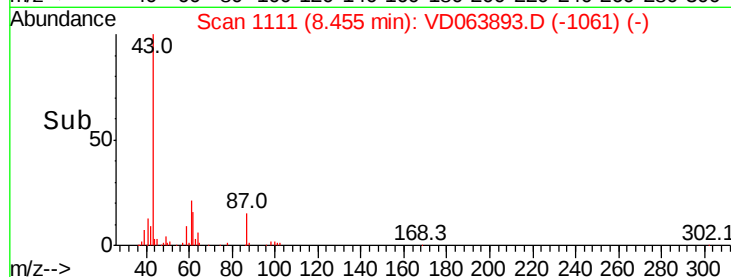
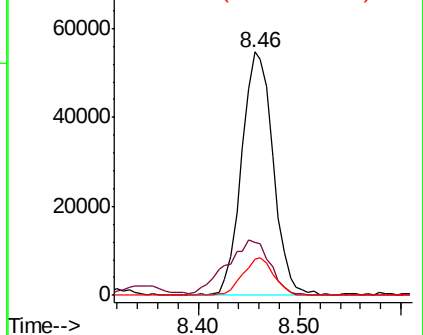
87 15.1 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 53.230 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063893.D

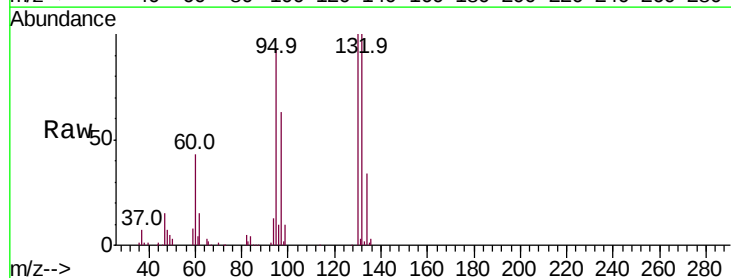
Acq: 07 Oct 2019 10:40

Tgt Ion:130 Resp: 130191

Ion Ratio Lower Upper

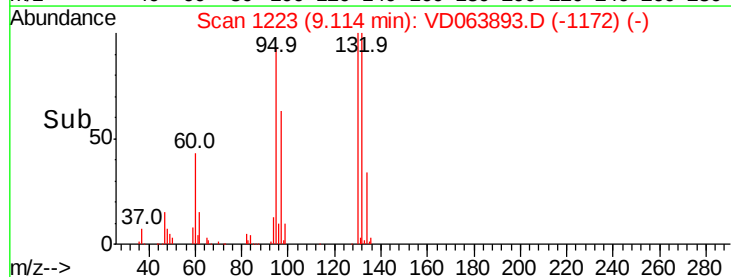
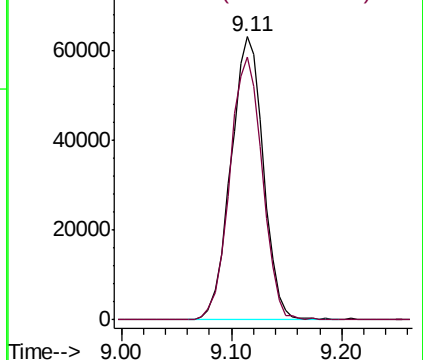
130 100

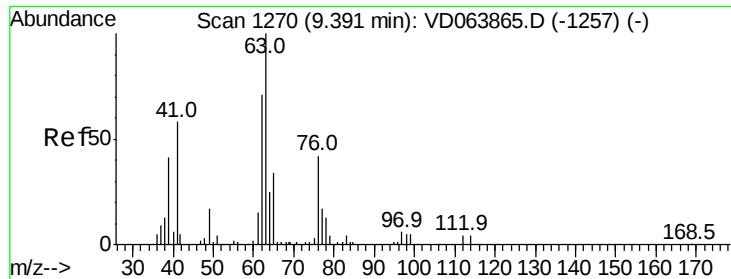
95 92.7 0.0 175.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 51.439 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

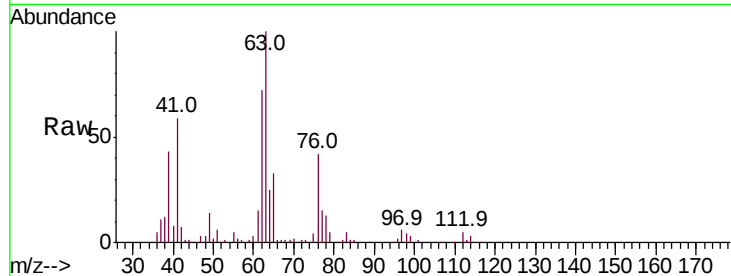
ClientSampled :

Tot Ion: 63 Resp: 106790

Ion Ratio Lower Upper

63 100

65 33.1 27.3 40.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

60000

50000

40000

30000

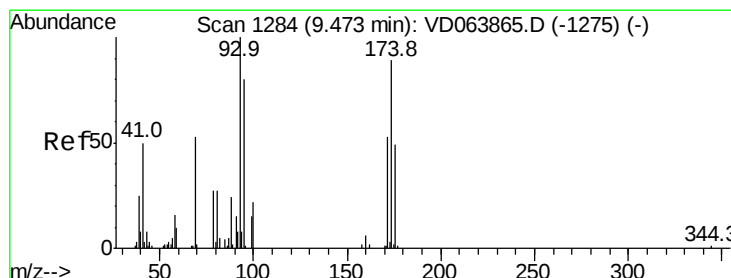
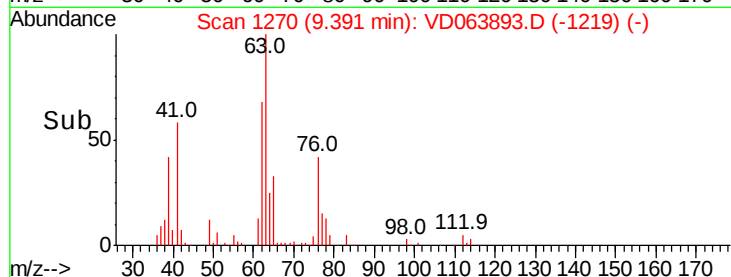
20000

10000

0

9.30 9.40

Time-->



#46

Dibromomethane

Concen: 51.156 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

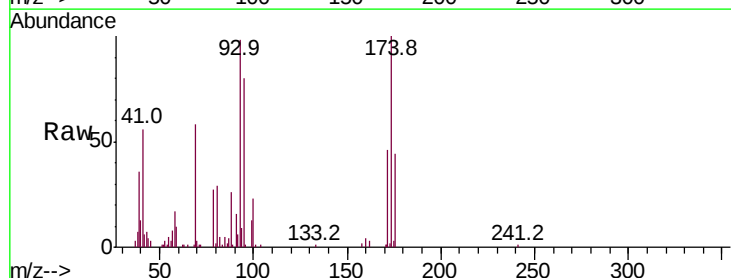
Tgt Ion: 93 Resp: 60484

Ion Ratio Lower Upper

93 100

95 83.8 66.0 99.0

174 110.3 83.4 125.0



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

40000

30000

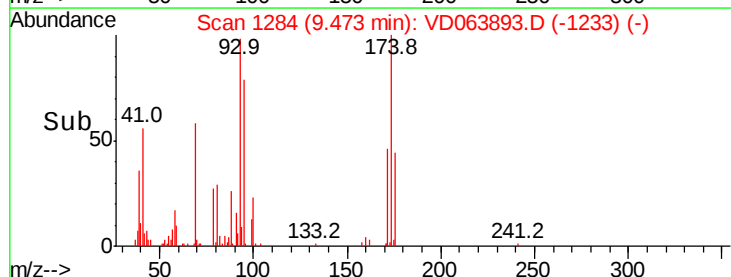
20000

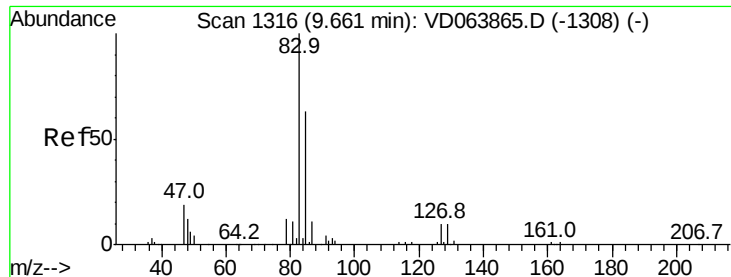
10000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 52.206 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :
MSVOA_D
ClientSampled :

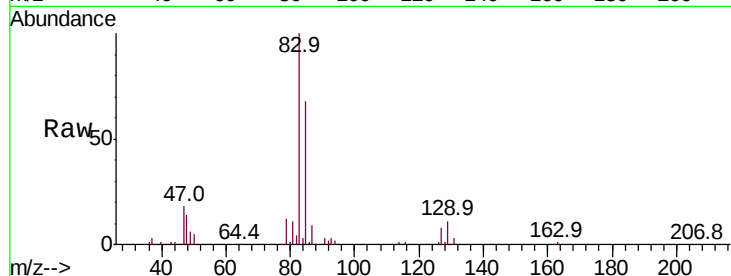
Tot Ion: 83 Resp: 158920

Ion Ratio Lower Upper

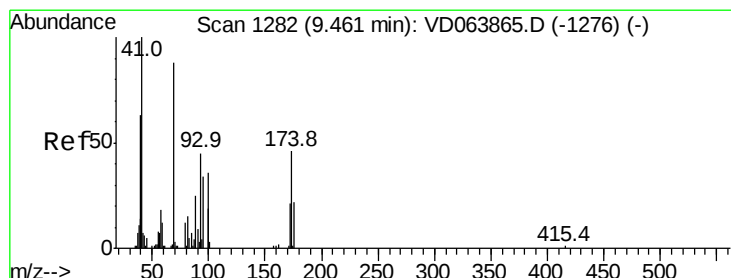
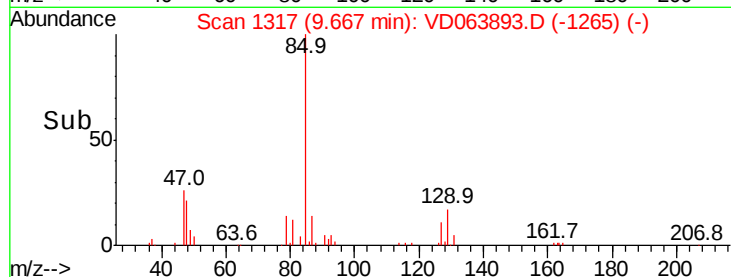
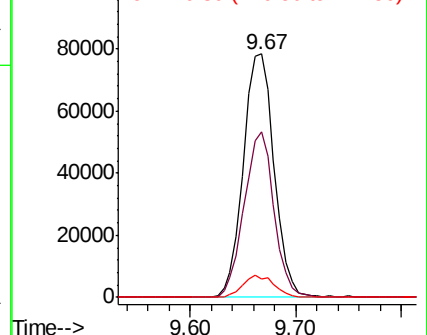
83 100

85 68.2 50.2 75.2

127 7.8 7.6 11.4



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



#48

Methyl methacrylate

Concen: 47.347 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

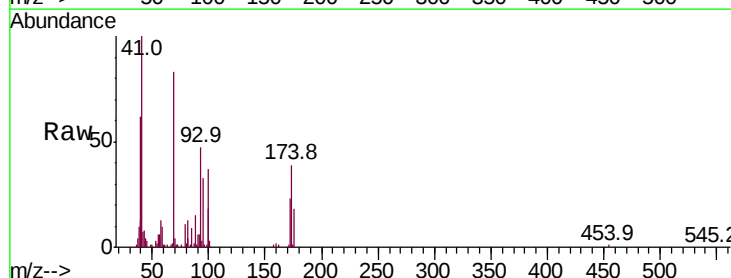
Tgt Ion: 41 Resp: 56309

Ion Ratio Lower Upper

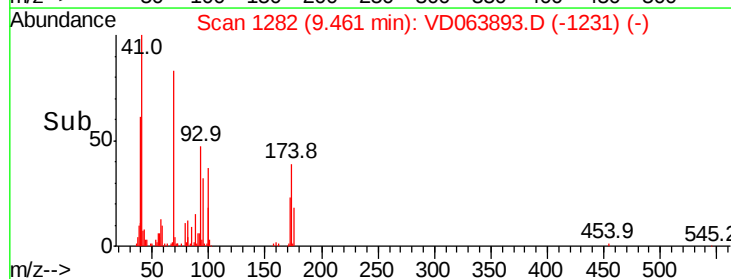
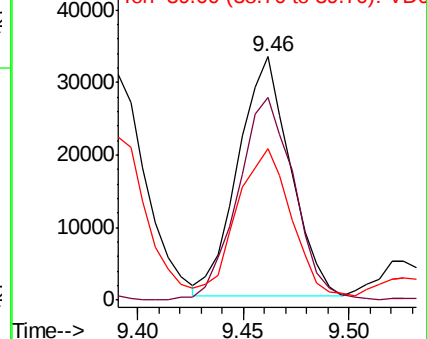
41 100

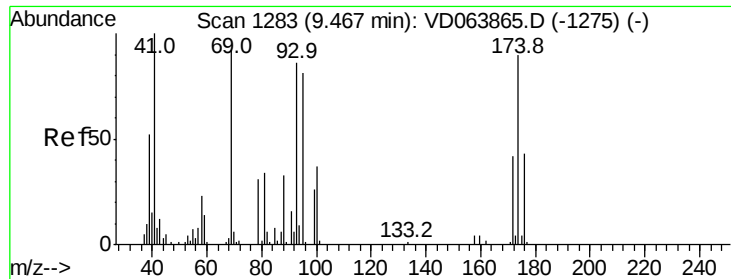
69 91.8 75.1 112.7

39 63.0 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

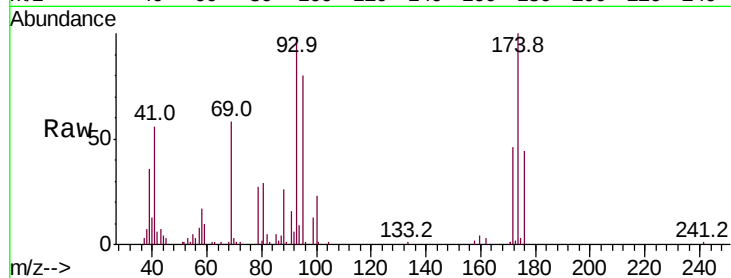




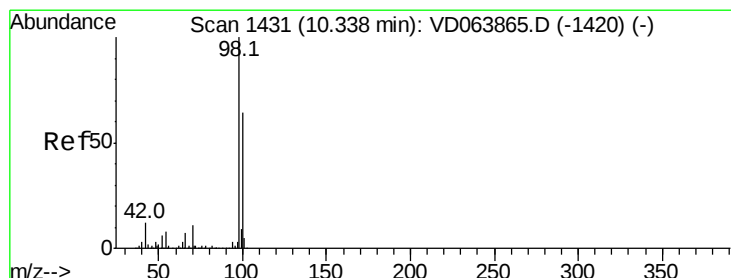
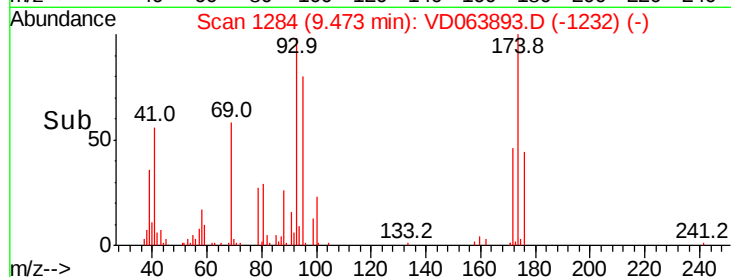
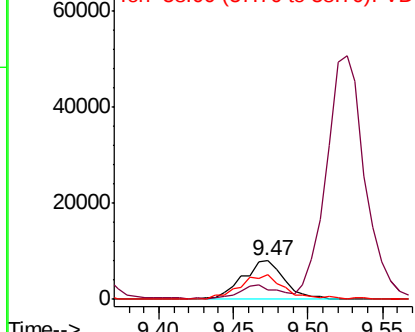
#49
1,4-Dioxane
Concen: 968.034 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 15623
Ion Ratio Lower Upper
88 100
43 36.1 27.6 41.4
58 68.2 54.1 81.1

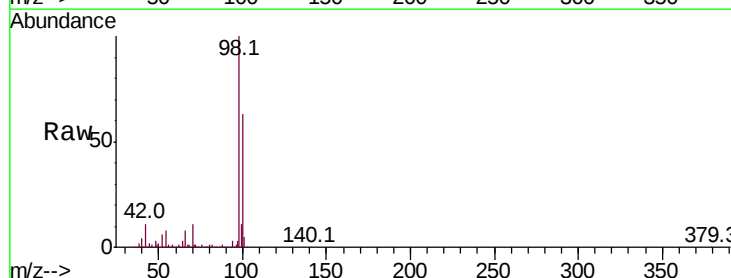


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

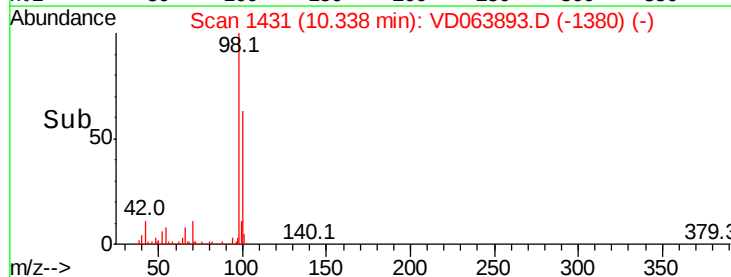
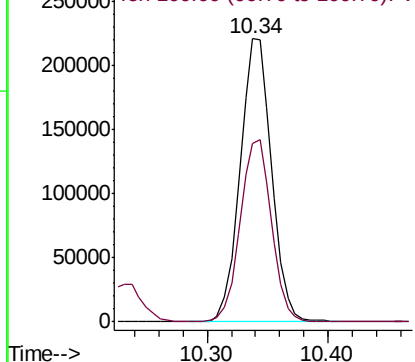


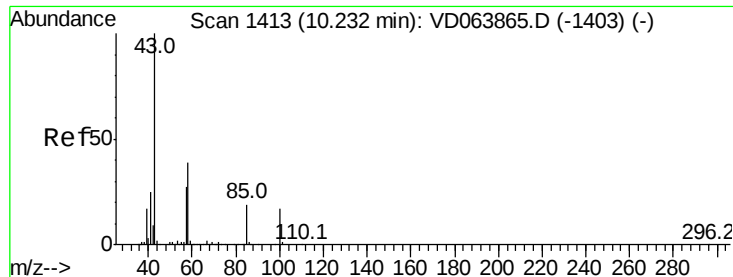
#50
Toluene-d8
Concen: 50.114 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion: 98 Resp: 402396
Ion Ratio Lower Upper
98 100
100 64.1 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: 237.769 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

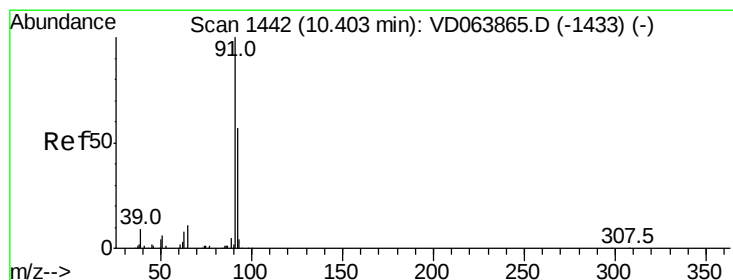
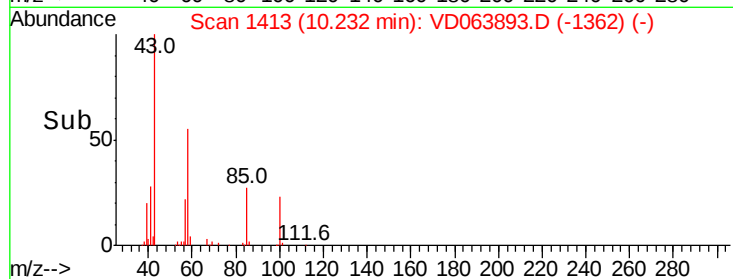
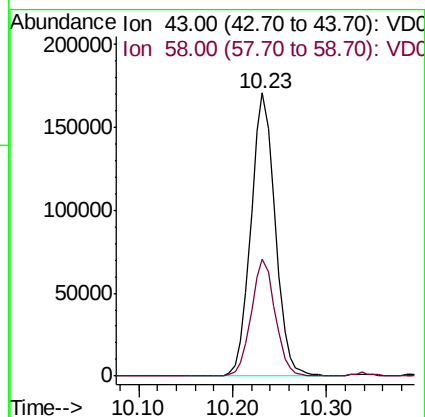
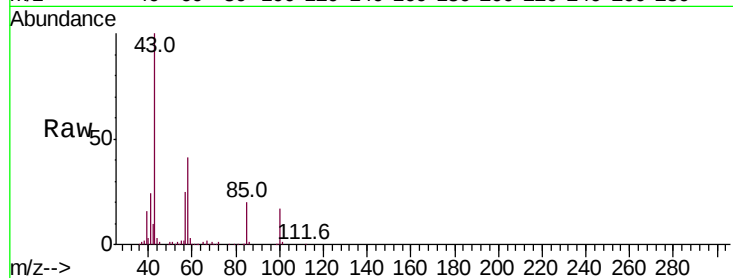
ClientSampleId :

Tot Ion: 43 Resp: 306083

Ion Ratio Lower Upper

43 100

58 40.8 33.0 49.4



#52

Toluene

Concen: 52.147 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063893.D

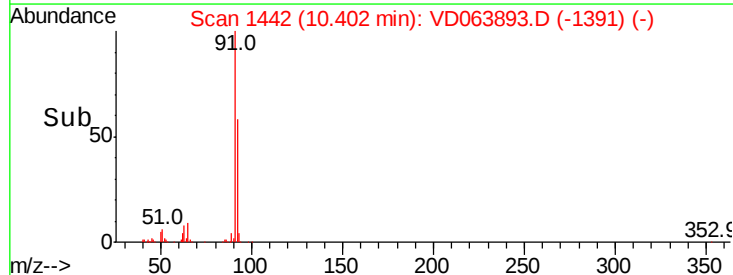
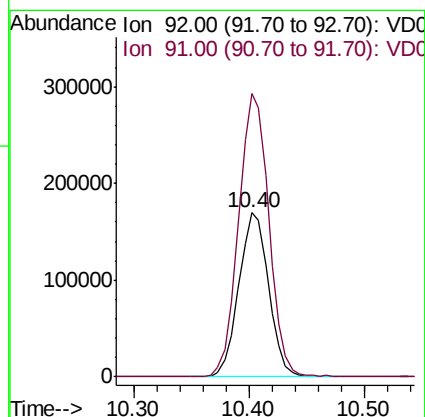
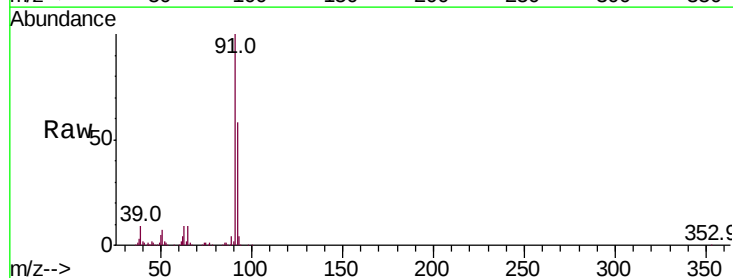
Acq: 07 Oct 2019 10:40

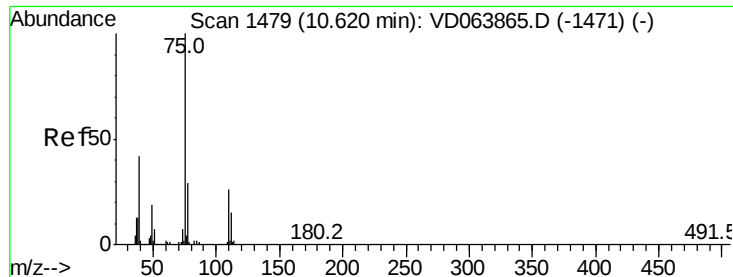
Tgt Ion: 92 Resp: 303630

Ion Ratio Lower Upper

92 100

91 175.1 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 51.055 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

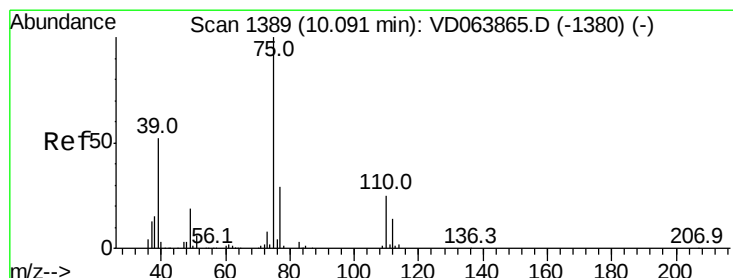
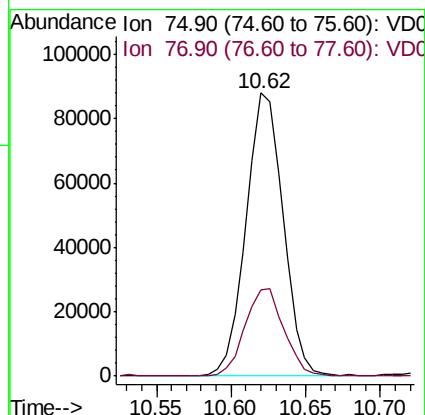
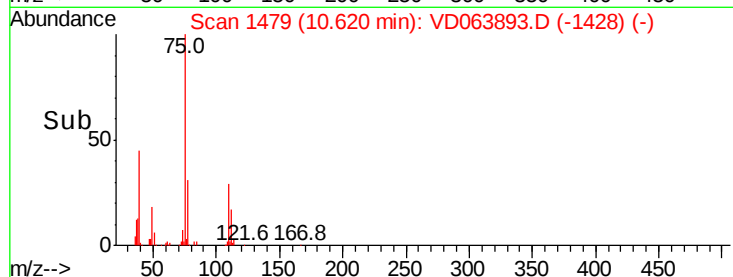
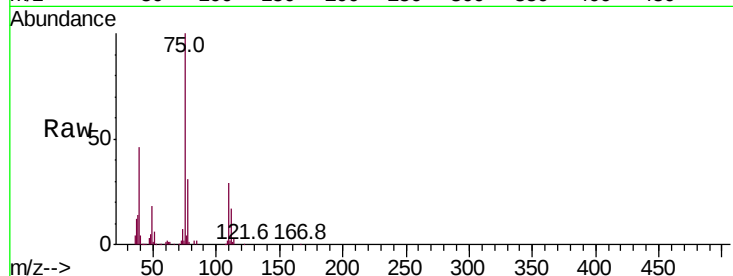
ClientSampleId :

Tot Ion: 75 Resp: 151658

Ion Ratio Lower Upper

75 100

77 30.6 22.8 34.2



#54

cis-1,3-Dichloropropene

Concen: 53.426 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

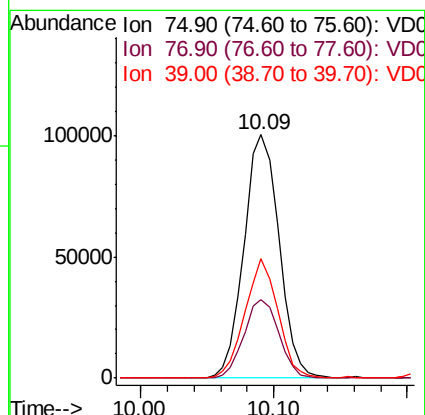
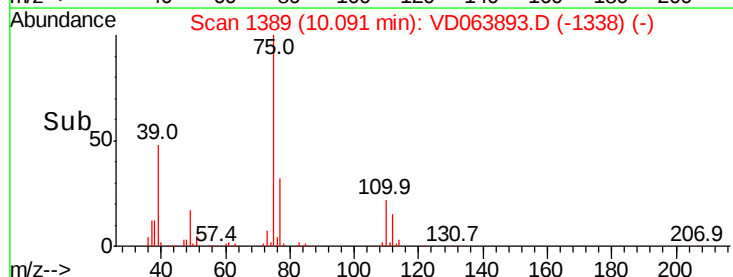
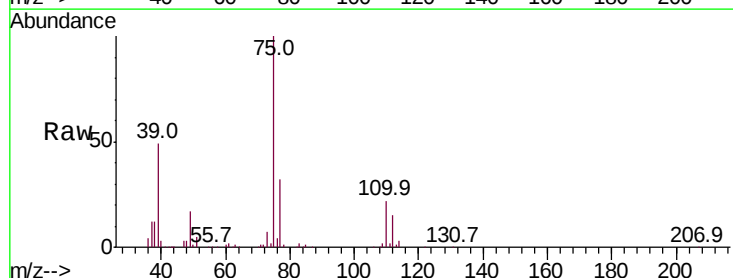
Tgt Ion: 75 Resp: 182681

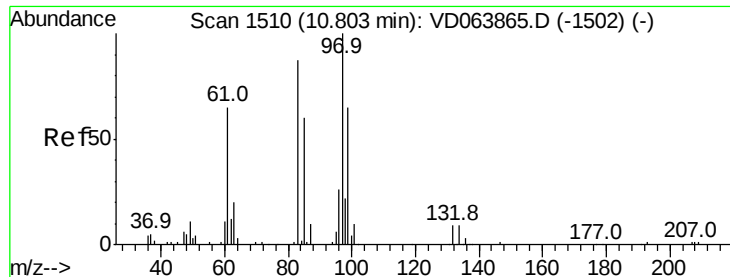
Ion Ratio Lower Upper

75 100

77 32.0 23.2 34.8

39 48.8 41.5 62.3

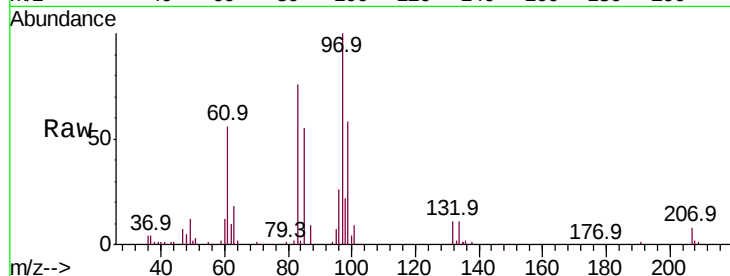




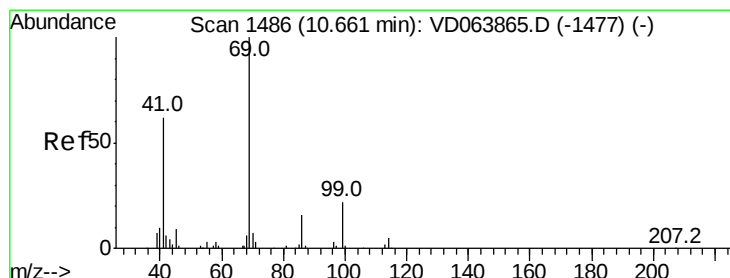
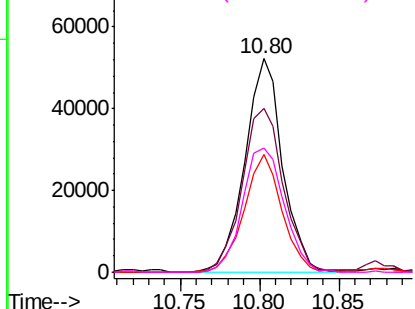
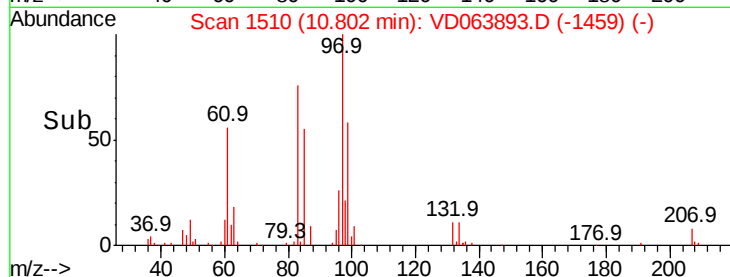
#55
 1,1,2-Trichloroethane
 Concen: 51.848 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
83	76.1	69.7	104.5
85	55.1	48.1	72.1
99	57.9	51.9	77.9

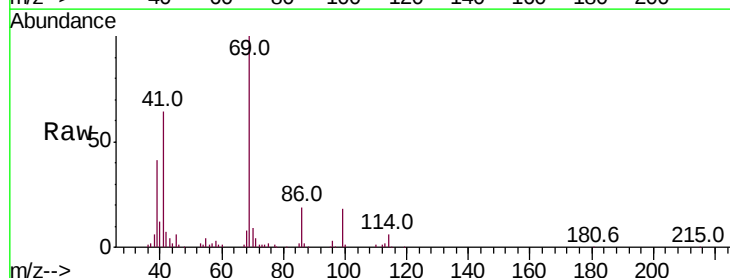


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

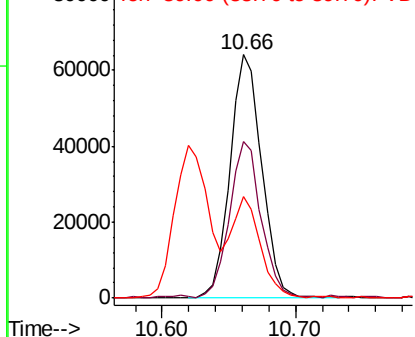
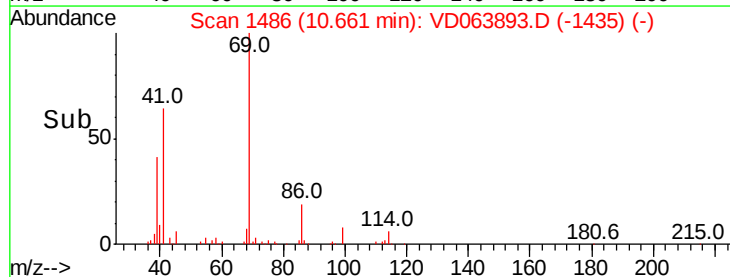


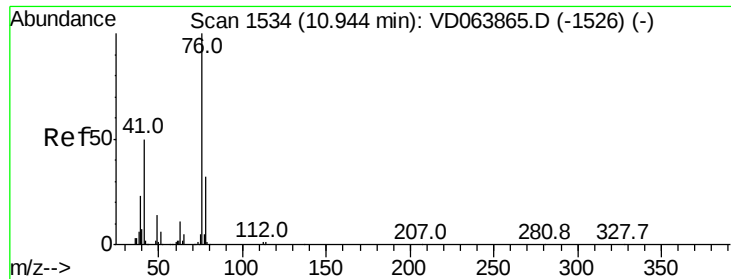
#56
 Ethyl methacrylate
 Concen: 50.278 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.9	51.3	76.9
39	37.9	28.0	42.0



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





#57

1,3-Dichloropropane

Concen: 51.268 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

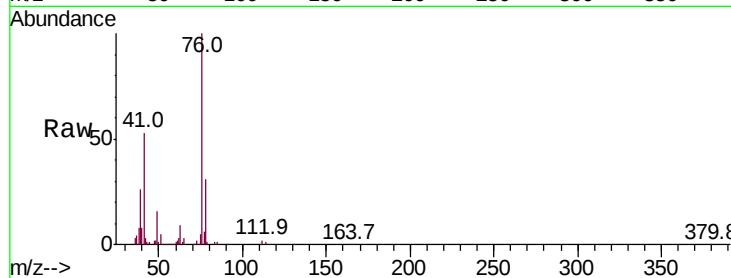
ClientSampleId :

Tot Ion: 76 Resp: 146437

Ion Ratio Lower Upper

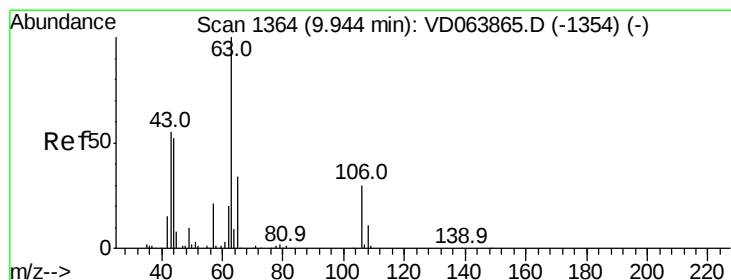
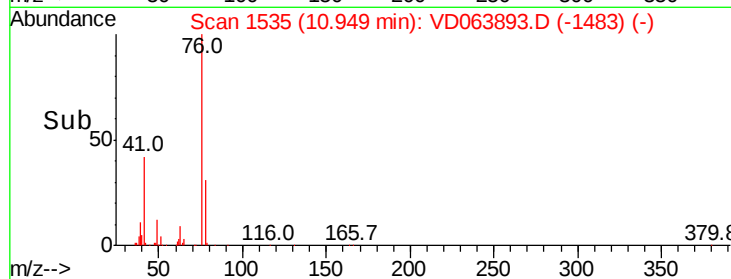
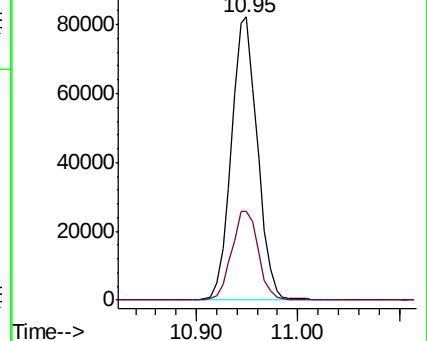
76 100

78 32.1 26.6 40.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 240.667 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD063893.D

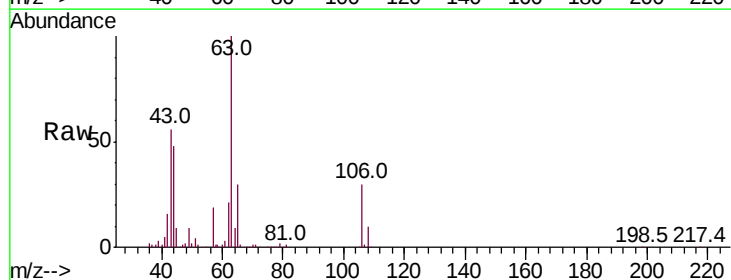
Acq: 07 Oct 2019 10:40

Tgt Ion: 63 Resp: 218696

Ion Ratio Lower Upper

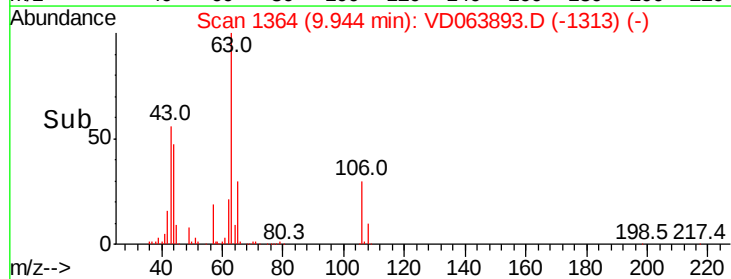
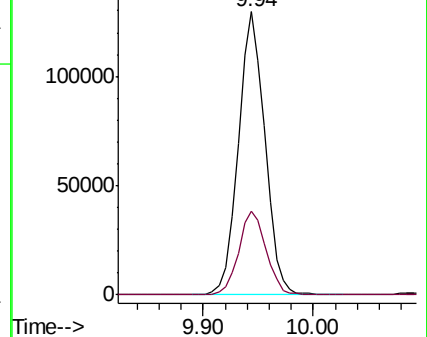
63 100

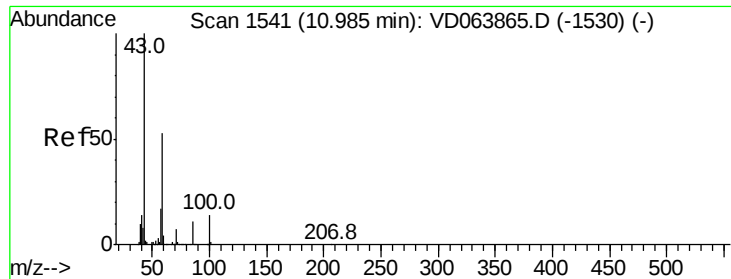
106 30.6 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

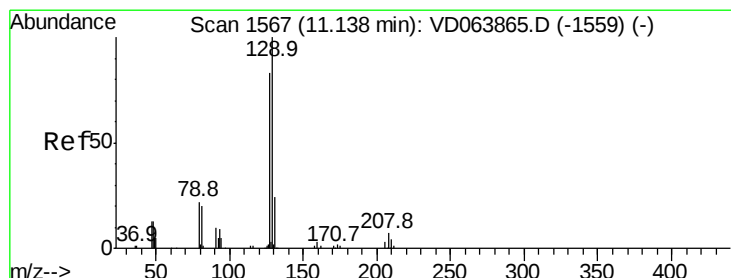
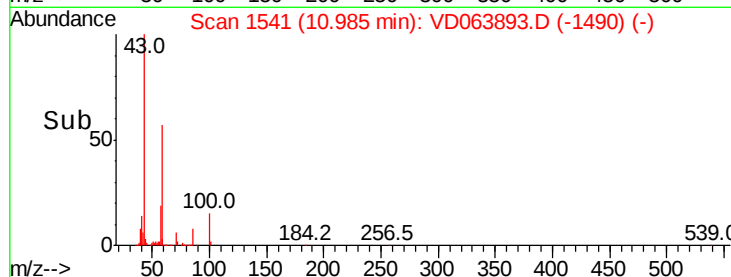
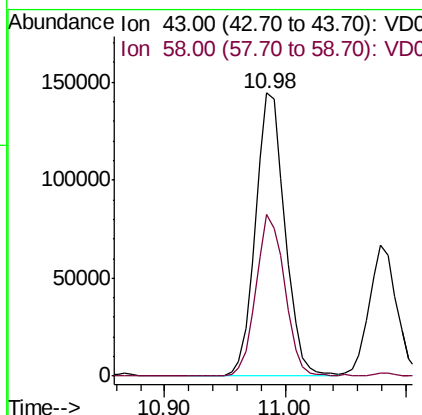
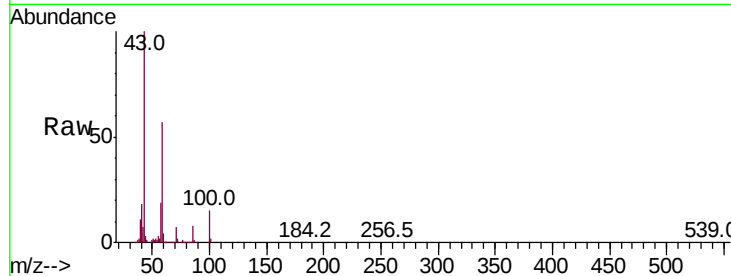




#59
2-Hexanone
Concen: 263.735 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

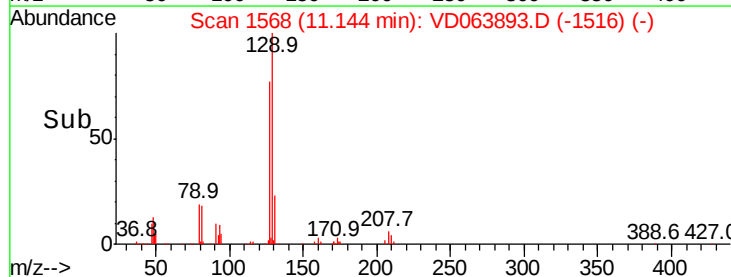
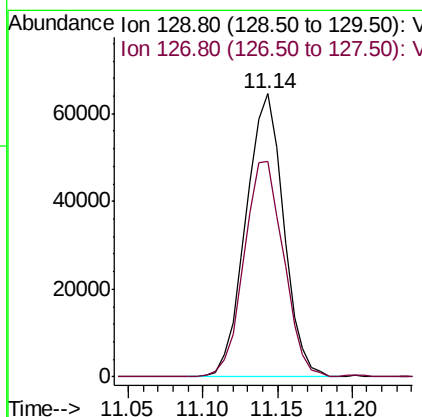
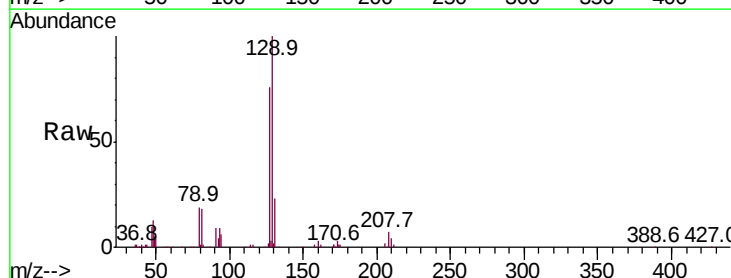
Instrument :
MSVOA_D
ClientSampleId :

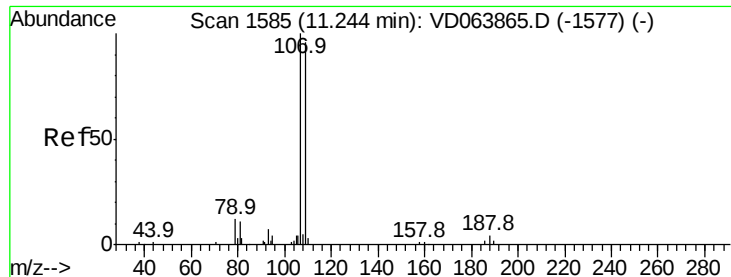
Tot Ion: 43 Resp: 245591
Ion Ratio Lower Upper
43 100
58 55.6 27.7 83.0



#60
Dibromochloromethane
Concen: 52.002 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion:129 Resp: 113021
Ion Ratio Lower Upper
129 100
127 79.5 39.9 119.6

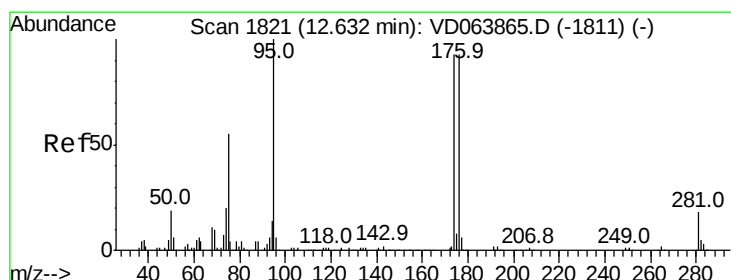
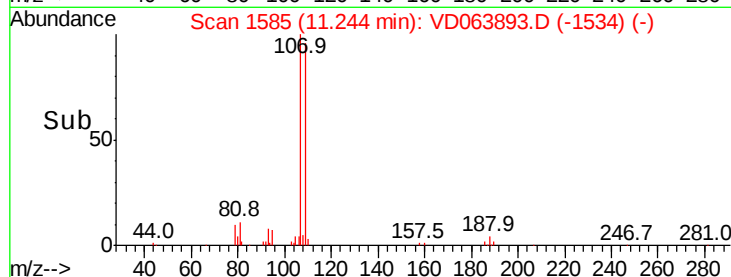
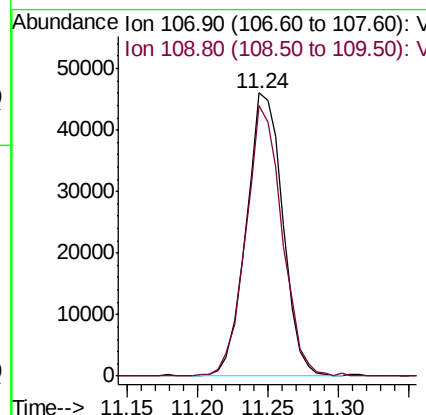
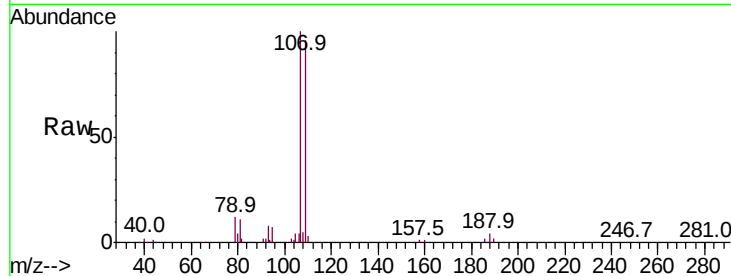




#61
 1,2-Dibromoethane
 Concen: 51.520 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

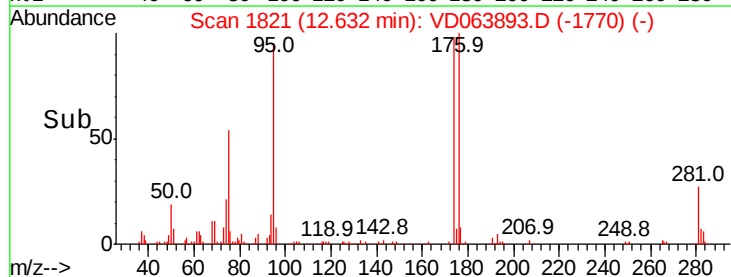
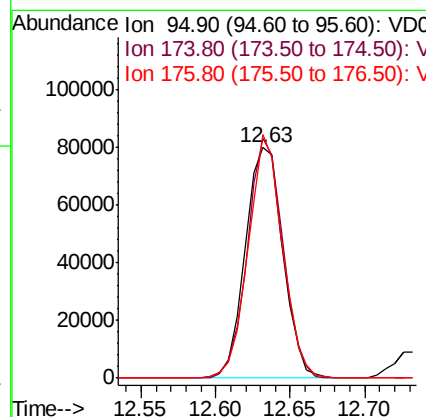
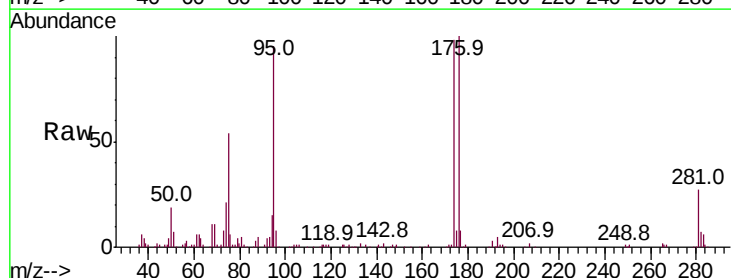
Instrument :
 MSVOA_D
 ClientSampled :

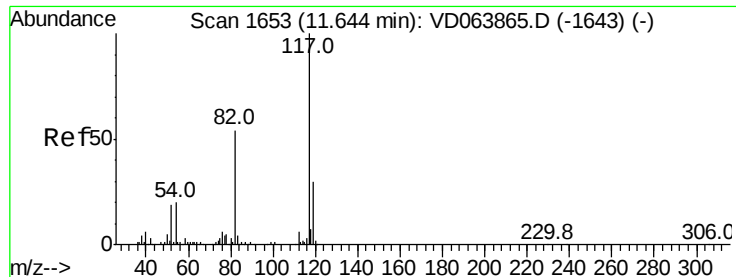
Tot Ion:107 Resp: 83381
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 49.737 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Tgt Ion: 95 Resp: 138782
 Ion Ratio Lower Upper
 95 100
 174 97.9 0.0 186.4
 176 96.1 0.0 184.2

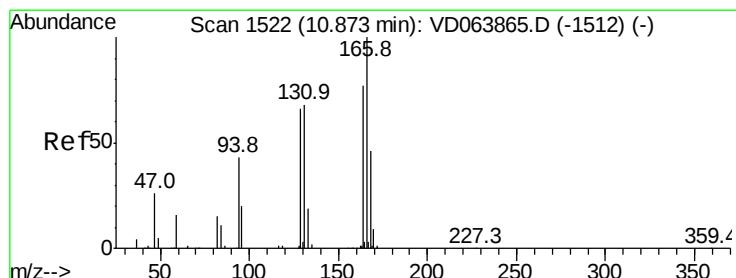
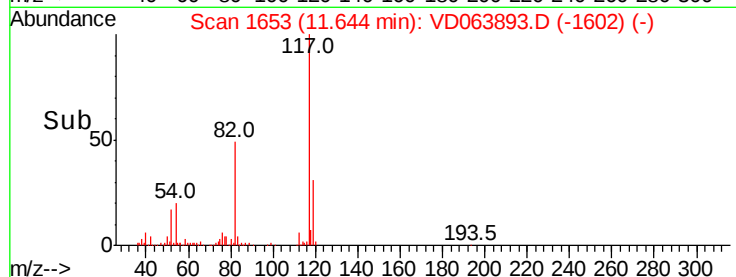
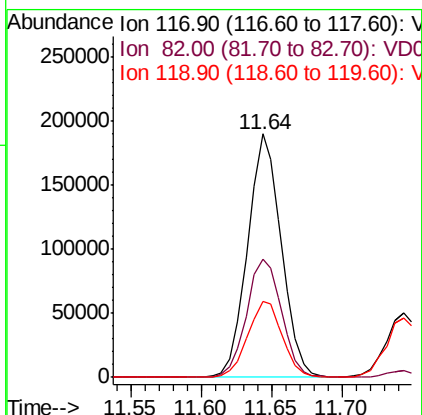
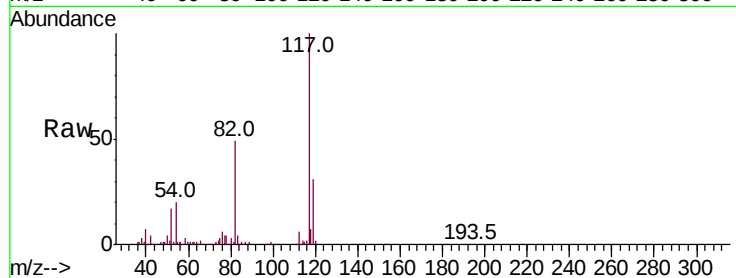




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

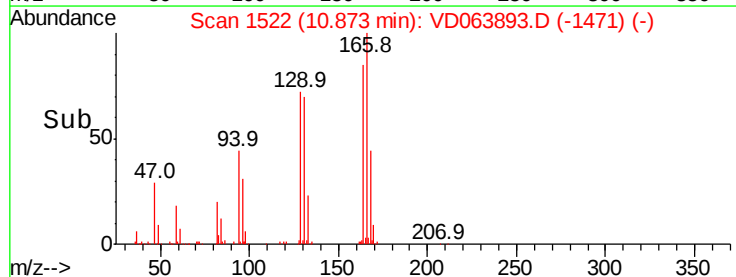
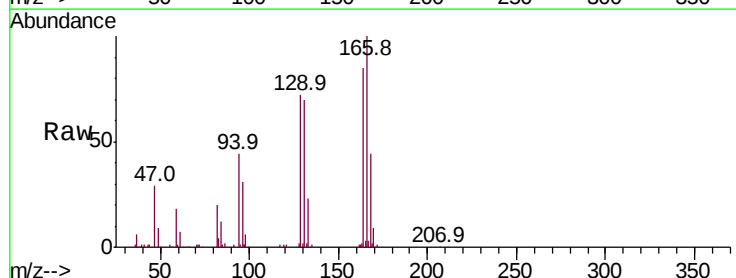
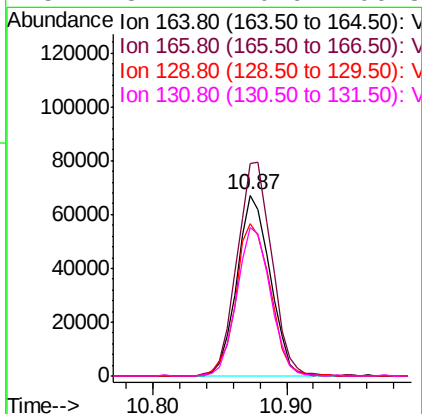
Instrument :
MSVOA_D
ClientSampled :

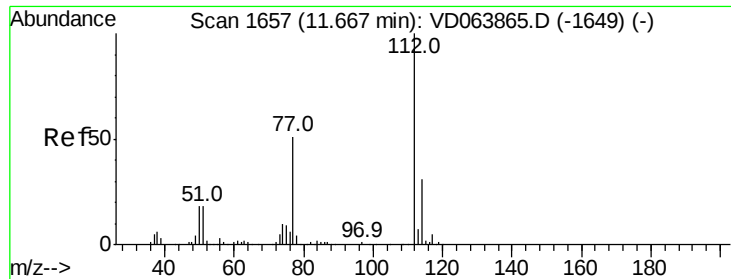
Tot Ion	Ratio	Lower	Upper
117	100		
82	48.5	42.8	64.2
119	31.1	24.4	36.6



#64
Tetrachloroethene
Concen: 53.185 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.3	103.8	155.6
129	84.5	68.9	103.3
131	82.1	70.9	106.3

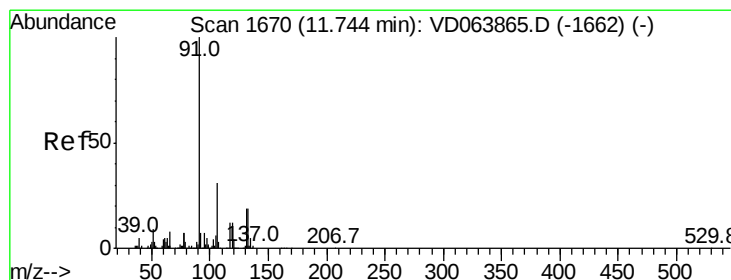
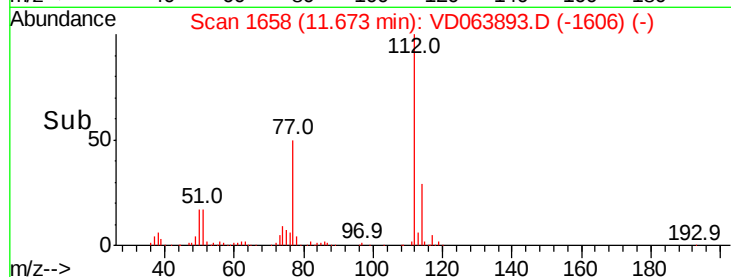
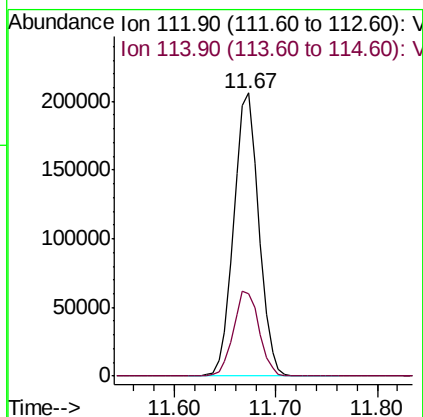
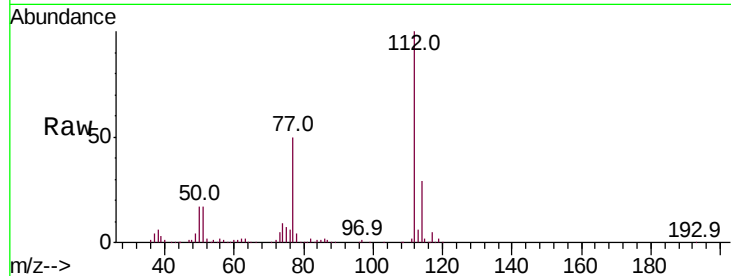




#65
Chlorobenzene
Concen: 55.271 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

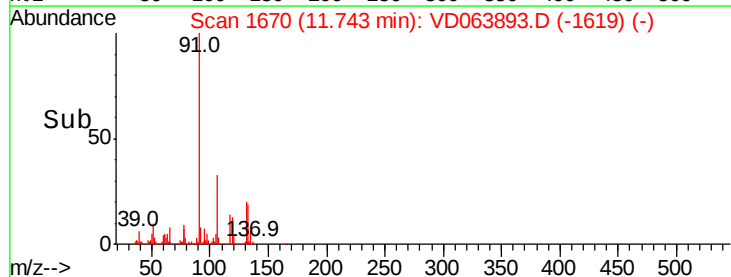
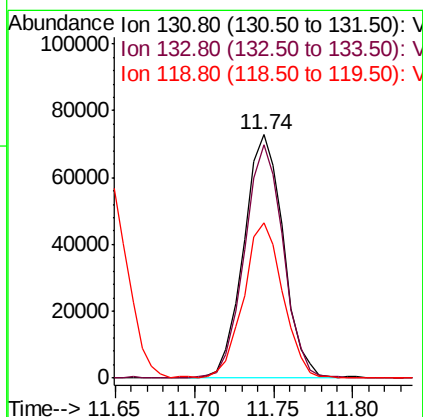
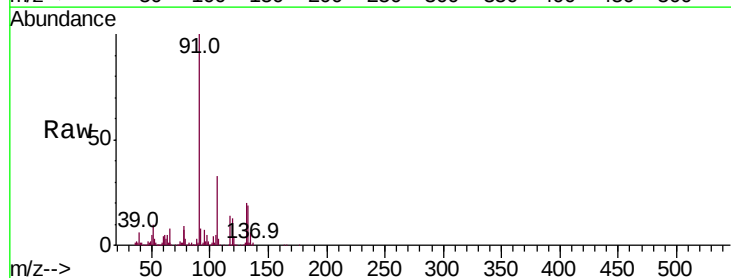
Instrument :
MSVOA_D
ClientSampleId :

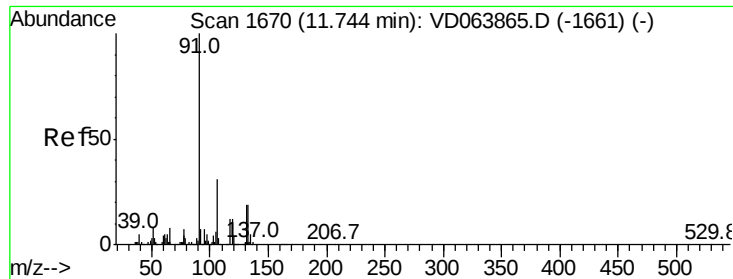
Tot Ion:112 Resp: 353783
Ion Ratio Lower Upper
112 100
114 29.3 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 53.677 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion:131 Resp: 126602
Ion Ratio Lower Upper
131 100
133 93.7 48.9 146.7
119 63.2 32.6 97.8





#67

Ethyl Benzene

Concen: 52.773 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

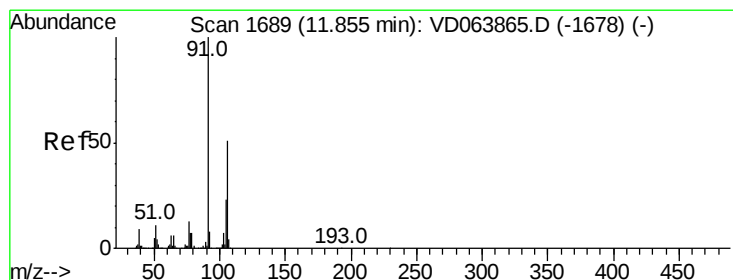
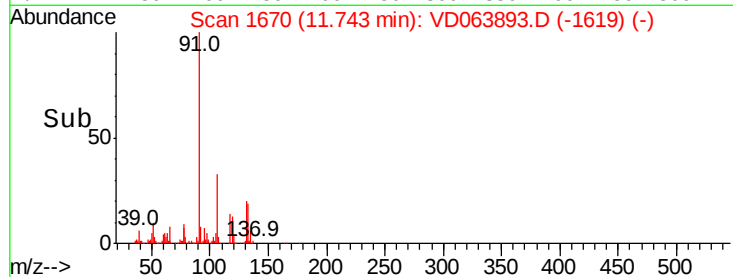
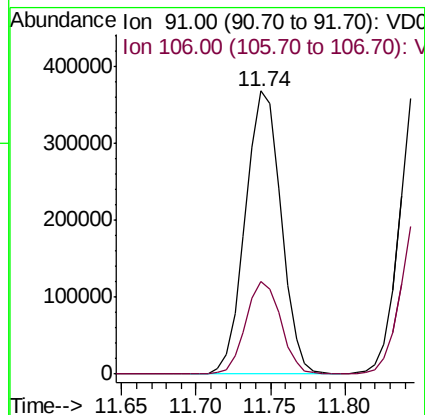
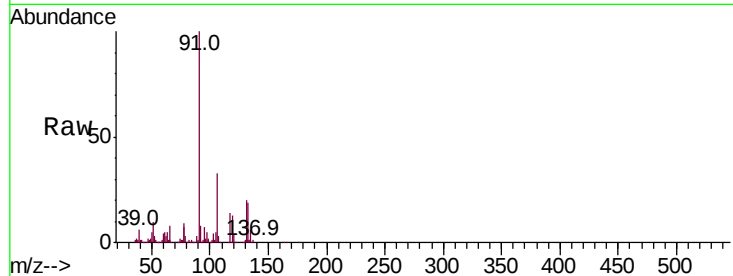
ClientSampleId :

Tot Ion: 91 Resp: 609101

Ion Ratio Lower Upper

91 100

106 32.7 24.6 37.0



#68

m/p-Xylenes

Concen: 107.387 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063893.D

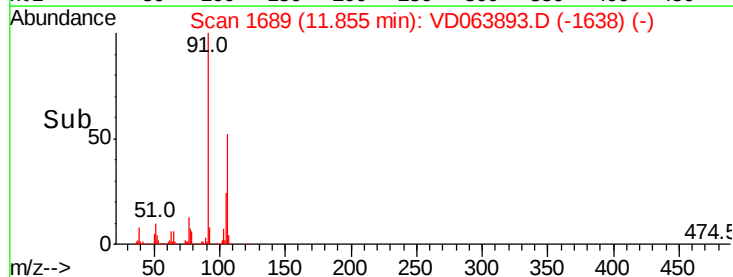
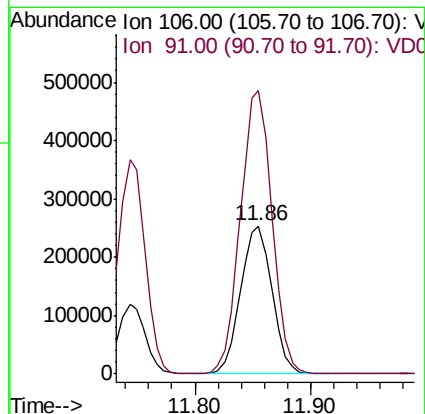
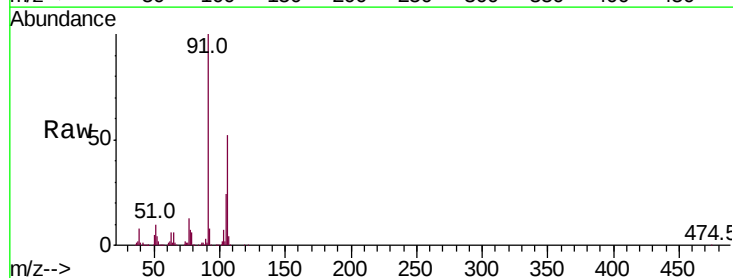
Acq: 07 Oct 2019 10:40

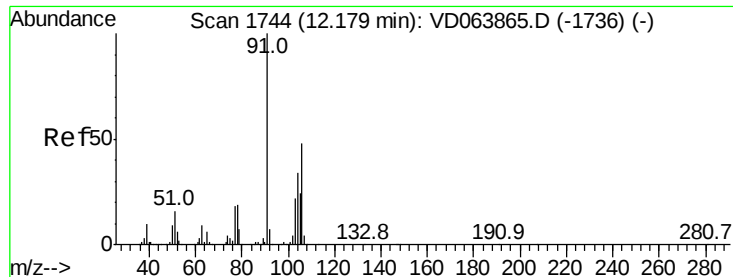
Tgt Ion: 106 Resp: 478407

Ion Ratio Lower Upper

106 100

91 193.2 154.8 232.2

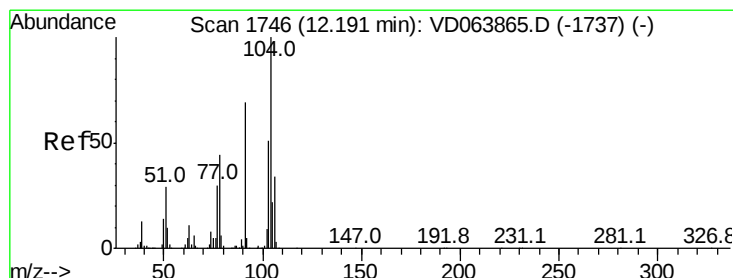
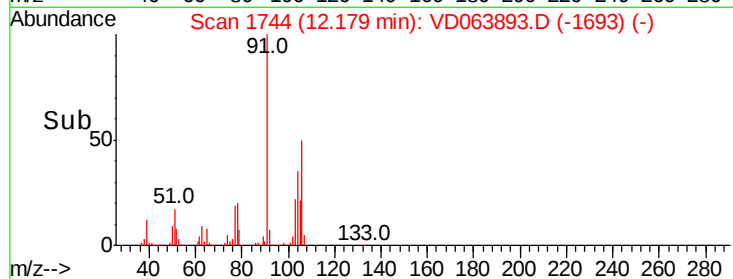
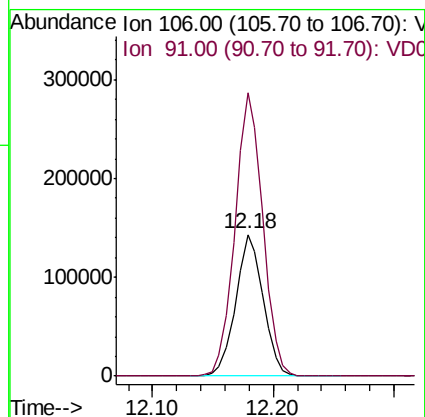
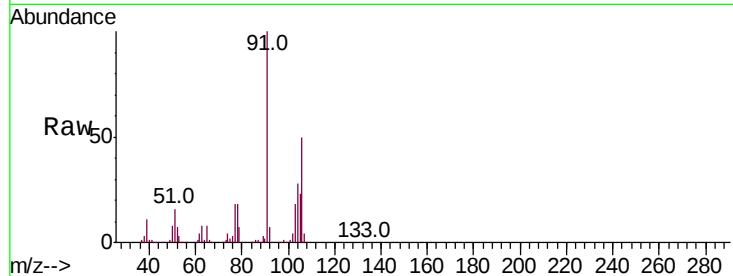




#69
o-Xylene
Concen: 53.252 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

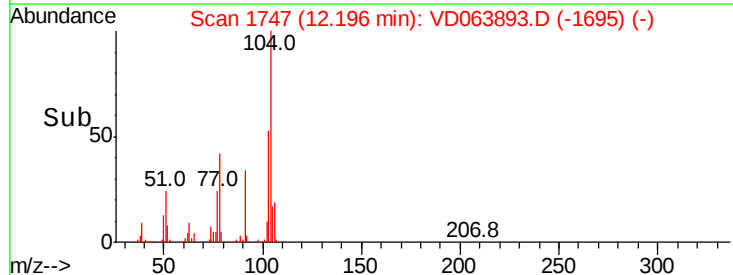
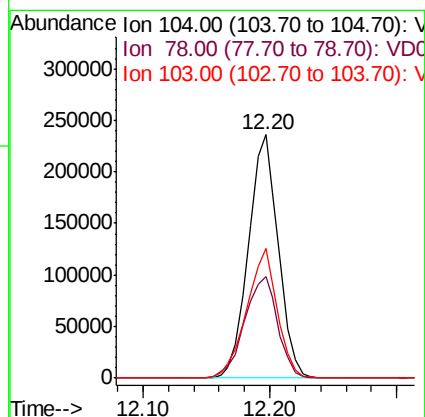
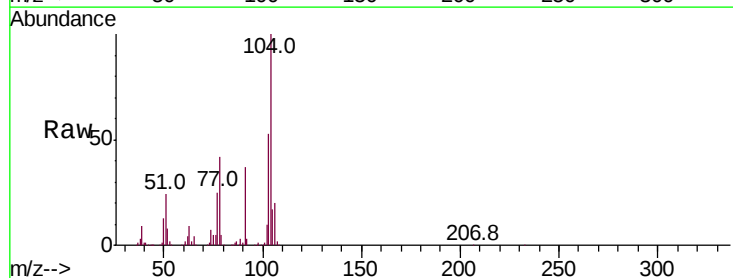
Instrument :
MSVOA_D
ClientSampleId :

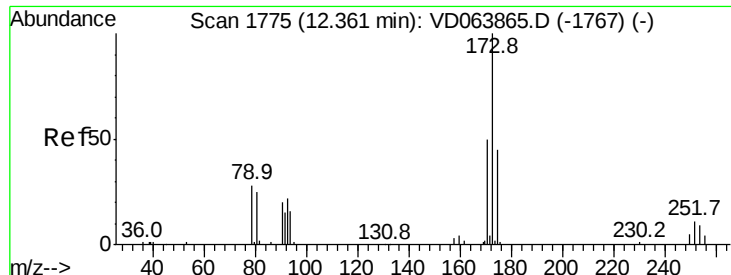
Tot Ion:106 Resp: 227165
Ion Ratio Lower Upper
106 100
91 202.3 103.9 311.7



#70
Styrene
Concen: 53.446 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion:104 Resp: 385959
Ion Ratio Lower Upper
104 100
78 46.3 37.0 55.4
103 54.5 44.2 66.4





#71

Bromoform

Concen: 55.495 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

ClientSampled :

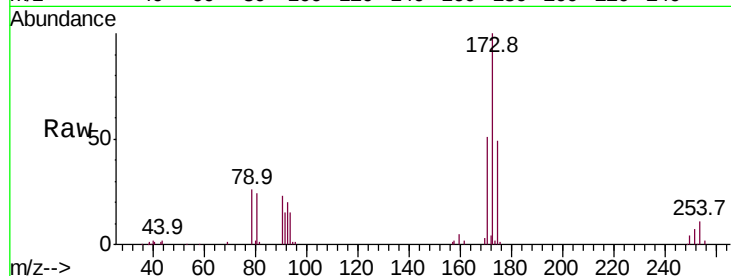
Tot Ion:173 Resp: 70245

Ion Ratio Lower Upper

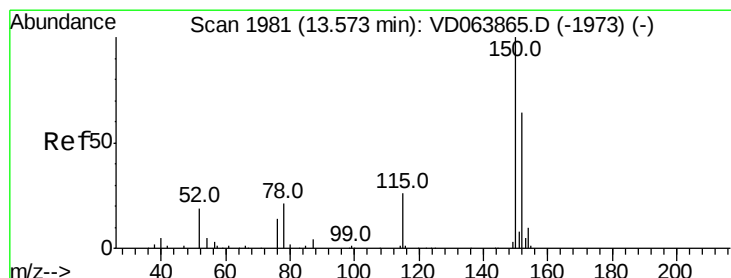
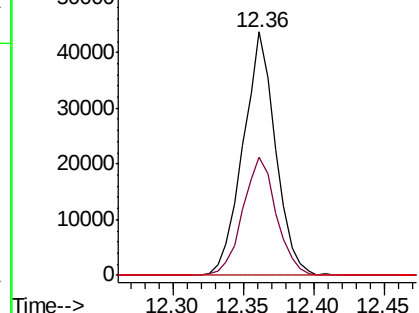
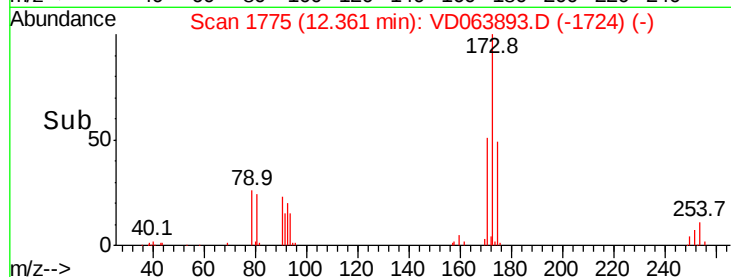
173 100

175 49.9 24.6 74.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

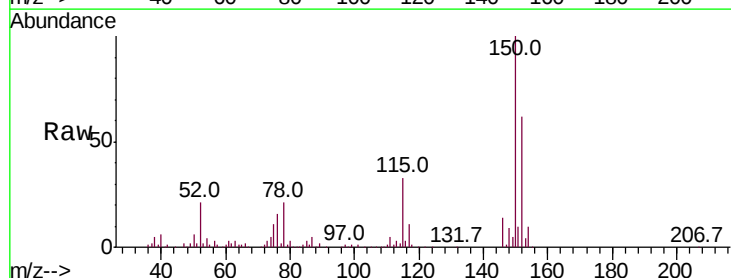
Tgt Ion:152 Resp: 168580

Ion Ratio Lower Upper

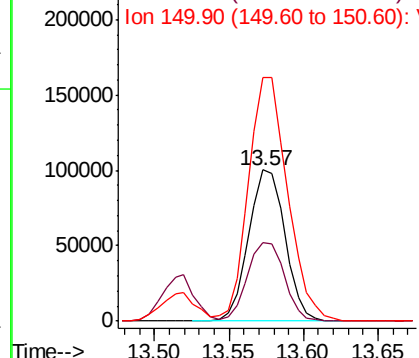
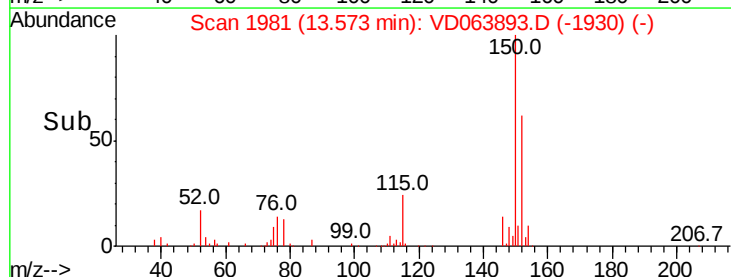
152 100

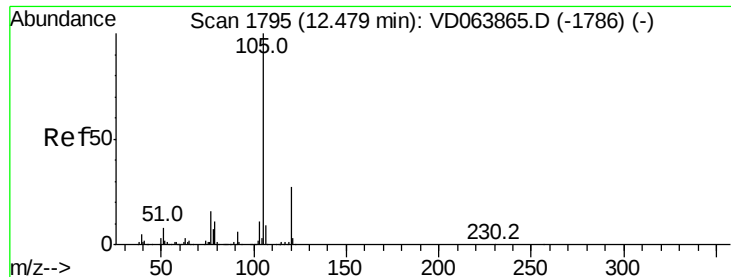
115 53.3 25.9 77.7

150 174.0 0.0 344.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.666 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

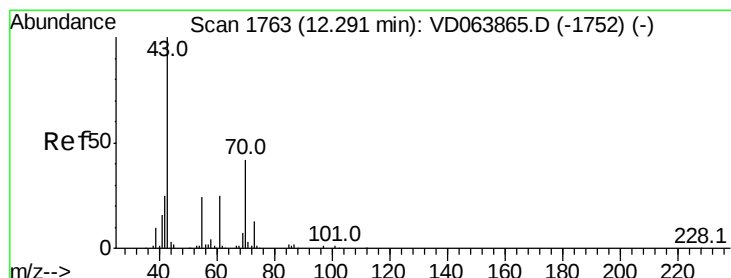
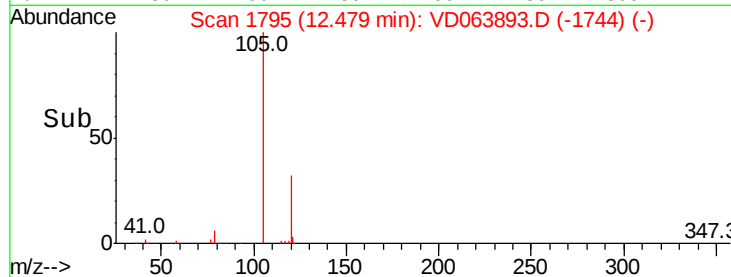
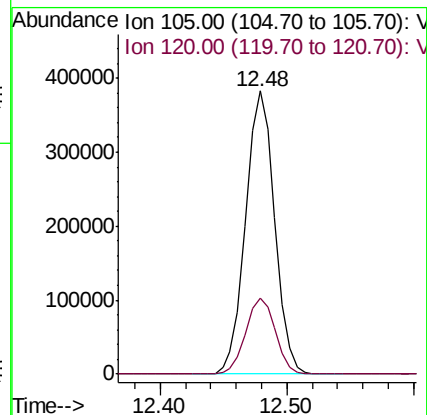
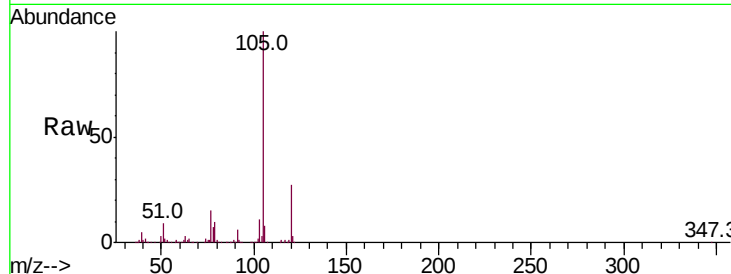
ClientSampleId :

Tot Ion:105 Resp: 608190

Ion Ratio Lower Upper

105 100

120 27.5 13.3 39.8



#74

N-ethyl acetate

Concen: 49.485 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Tgt Ion: 43 Resp: 120742

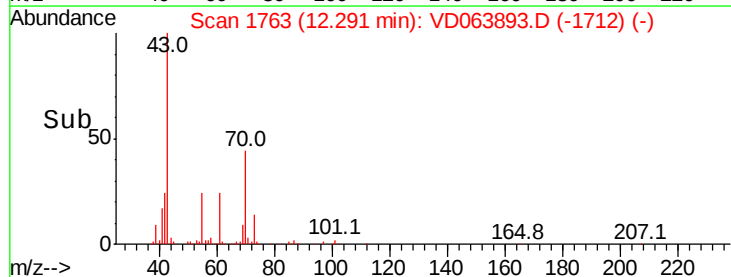
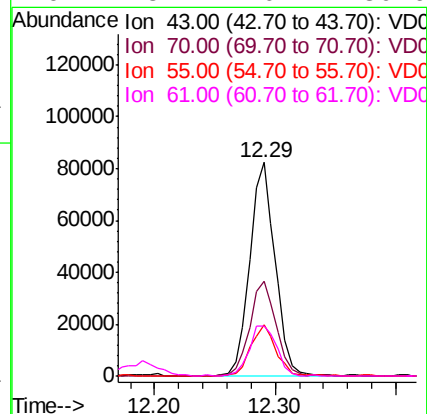
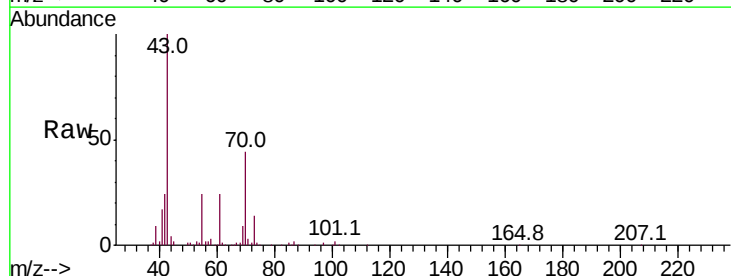
Ion Ratio Lower Upper

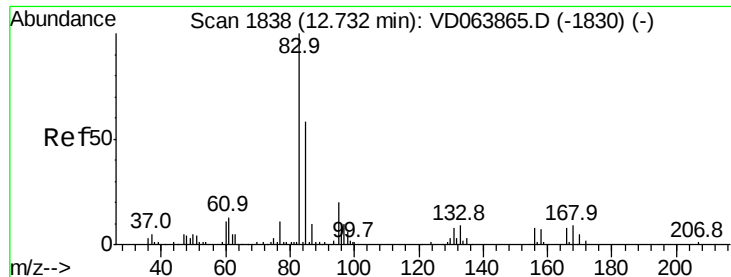
43 100

70 45.8 35.8 53.6

55 24.2 19.4 29.0

61 25.7 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 51.338 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

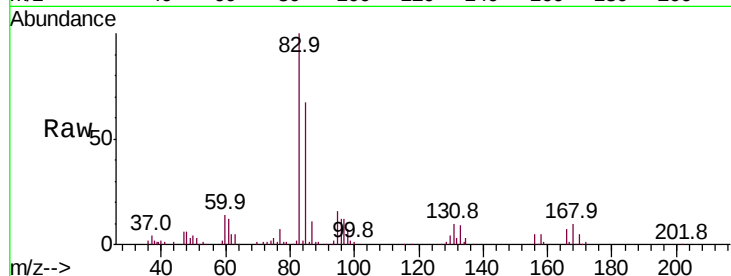
Tot Ion: 83 Resp: 101241

Ion Ratio Lower Upper

83 100

131 11.0 5.6 16.8

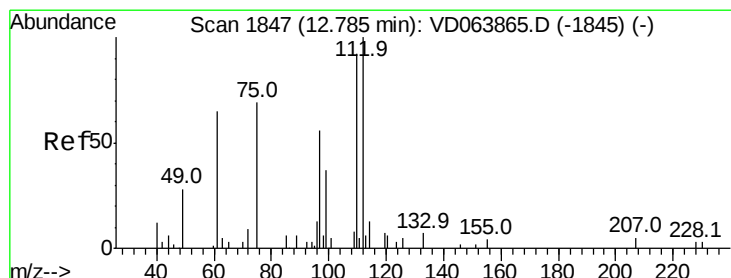
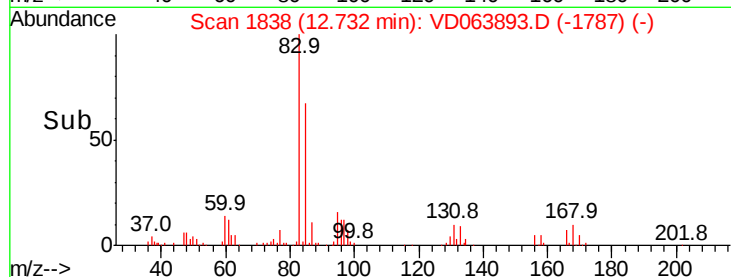
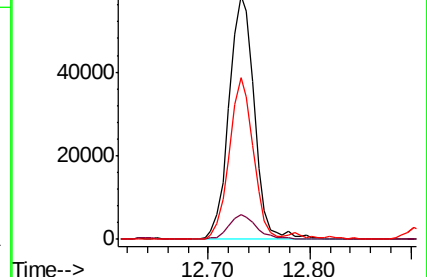
85 62.3 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 111.059 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD063893.D

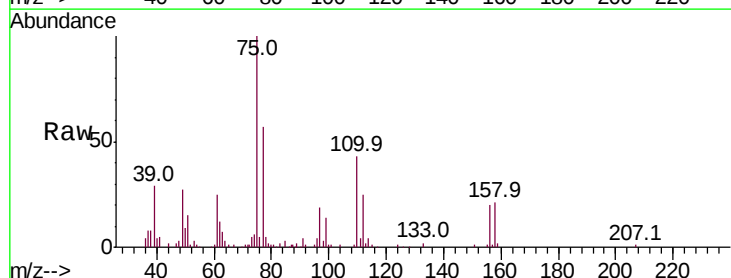
Acq: 07 Oct 2019 10:40

Tgt Ion: 75 Resp: 125397

Ion Ratio Lower Upper

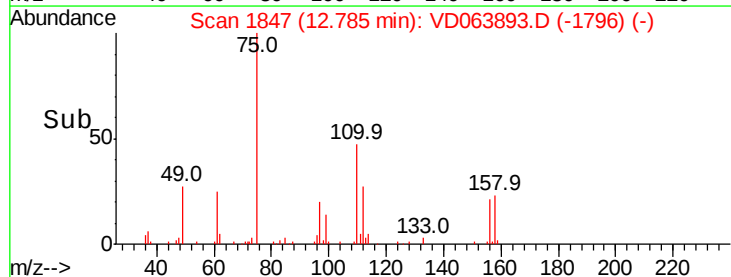
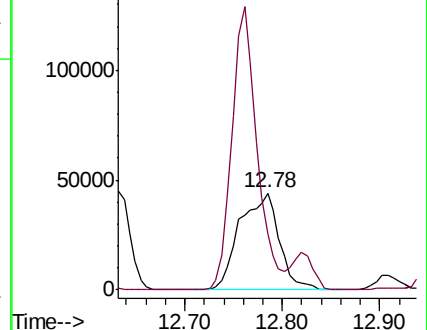
75 100

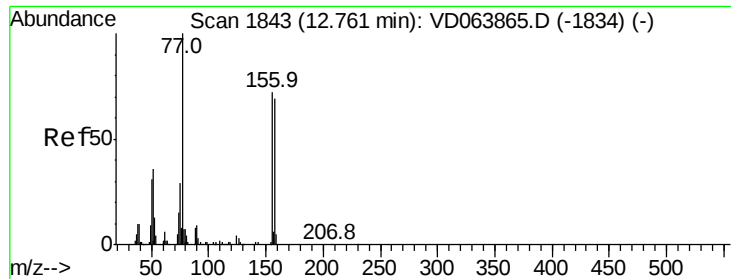
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

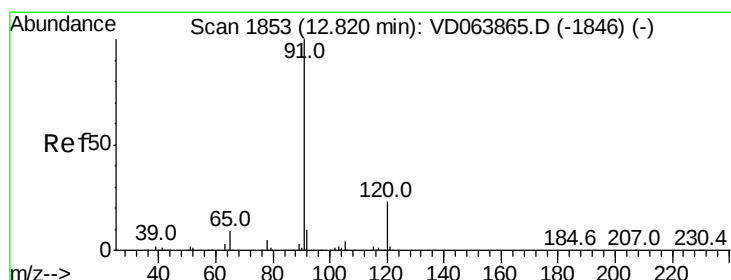
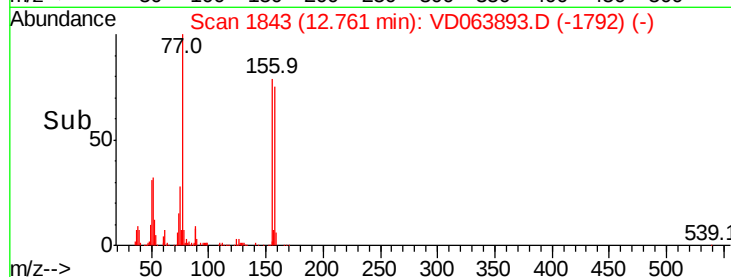
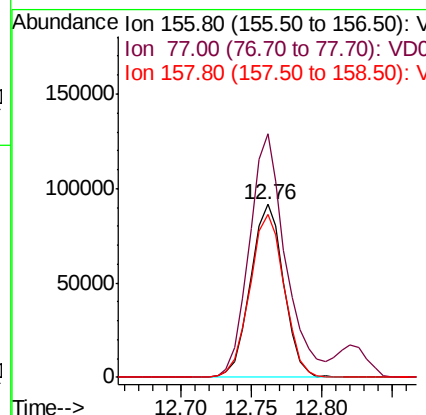
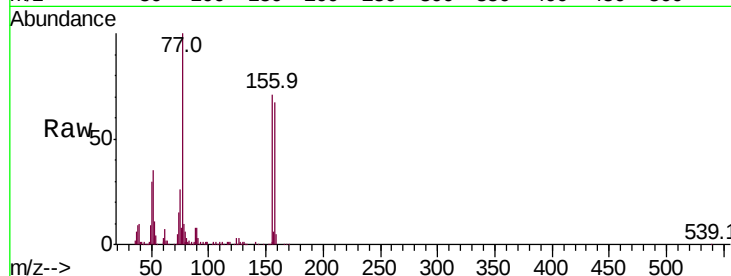




#77
Bromobenzene
Concen: 53.713 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

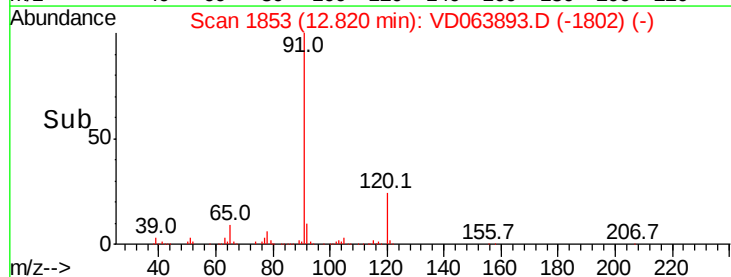
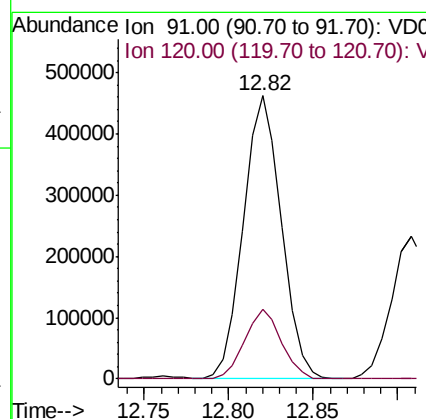
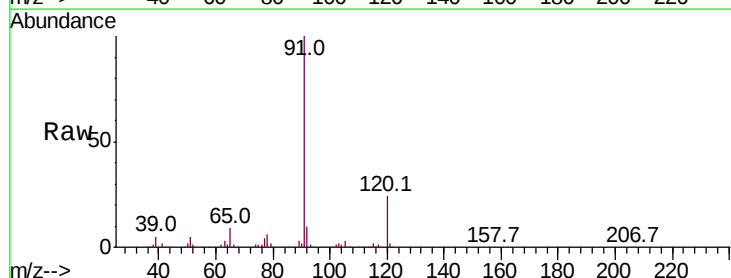
Instrument :
MSVOA_D
ClientSampleId :

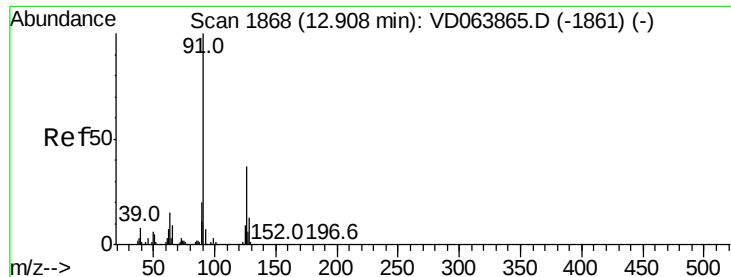
Tot Ion:156 Resp: 151658
Ion Ratio Lower Upper
156 100
77 153.5 80.3 241.0
158 97.5 47.4 142.2



#78
n-propylbenzene
Concen: 54.040 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion: 91 Resp: 718850
Ion Ratio Lower Upper
91 100
120 23.8 12.0 36.0





#79

2-Chlorotoluene

Concen: 51.832 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

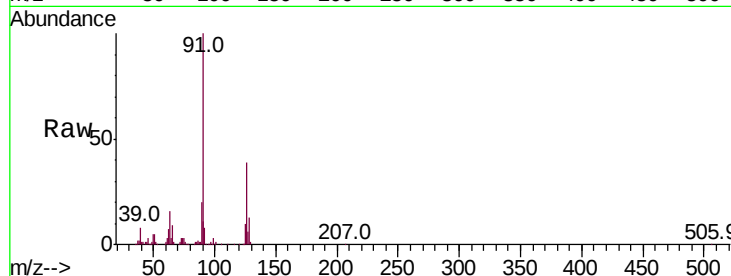
ClientSampled :

Tot Ion: 91 Resp: 380182

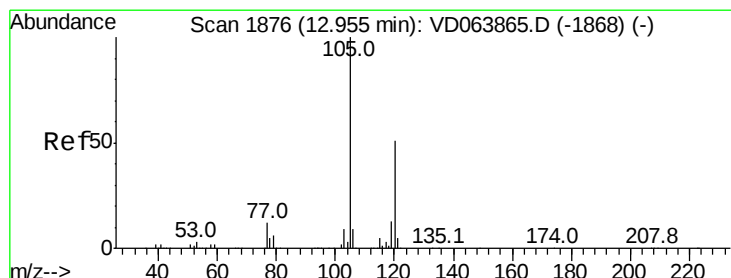
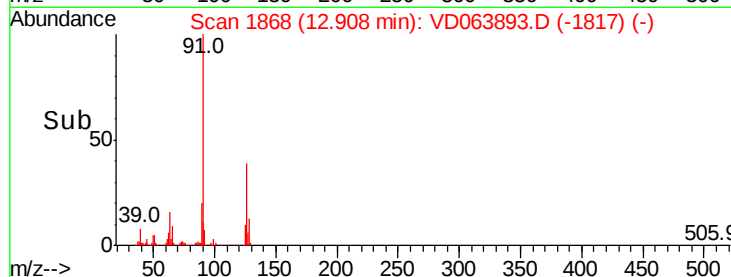
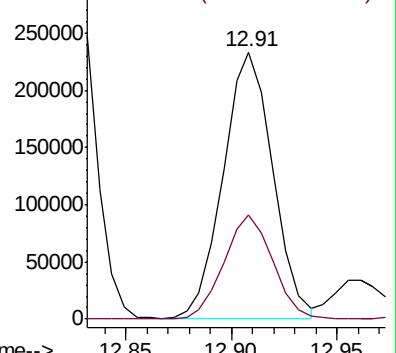
Ion Ratio Lower Upper

91 100

126 38.7 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): VD063893.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.590 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063893.D

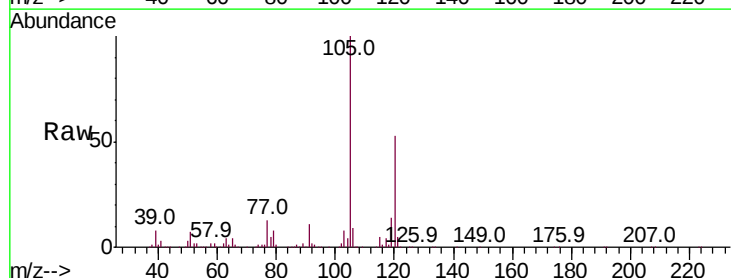
Acq: 07 Oct 2019 10:40

Tgt Ion:105 Resp: 497220

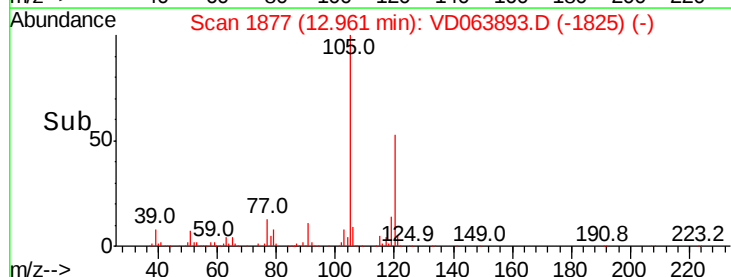
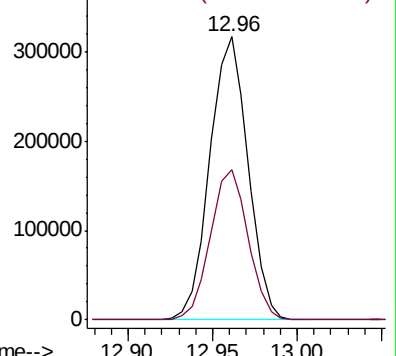
Ion Ratio Lower Upper

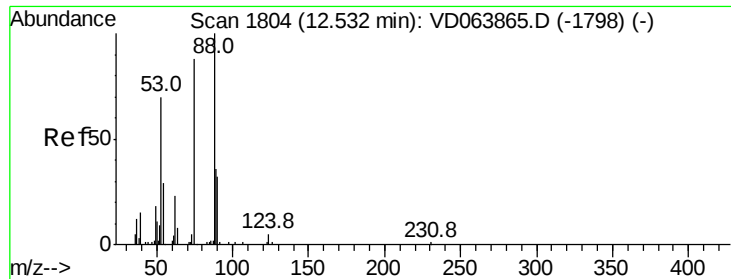
105 100

120 52.7 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): VD063893.D (-1825) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.753 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

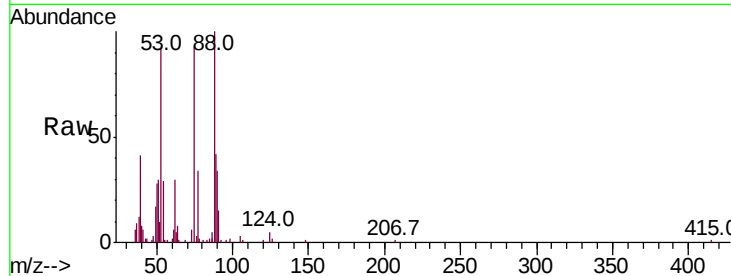
Tot Ion: 75 Resp: 31745

Ion Ratio Lower Upper

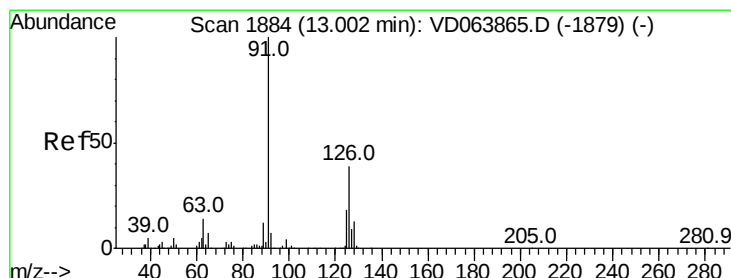
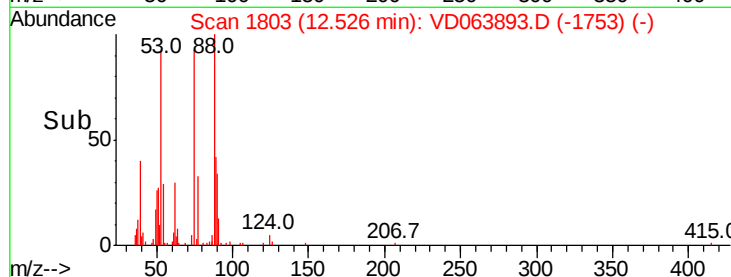
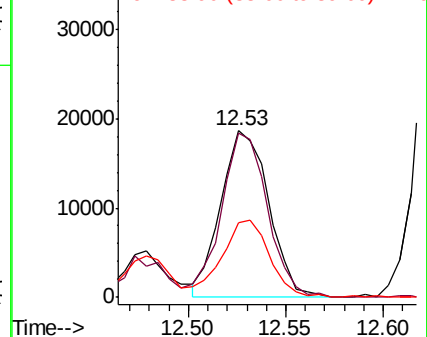
75 100

53 95.6 75.0 112.6

89 47.0 38.2 57.4



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 51.212 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VD063893.D

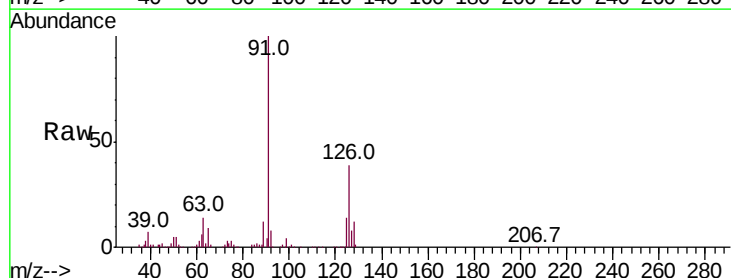
Acq: 07 Oct 2019 10:40

Tgt Ion: 91 Resp: 398475

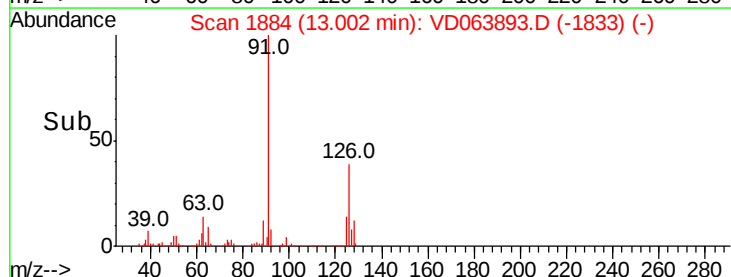
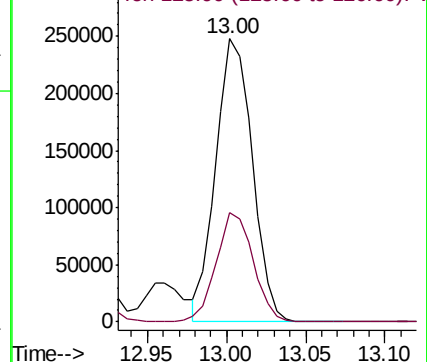
Ion Ratio Lower Upper

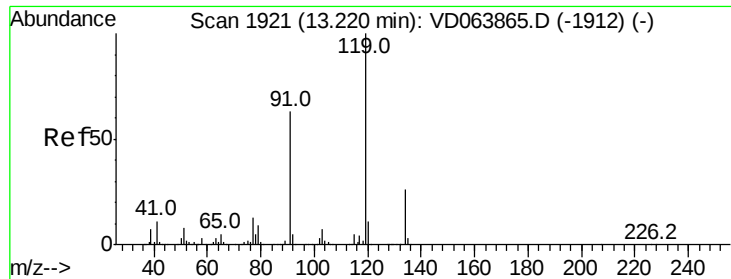
91 100

126 39.2 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 52.330 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.01 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

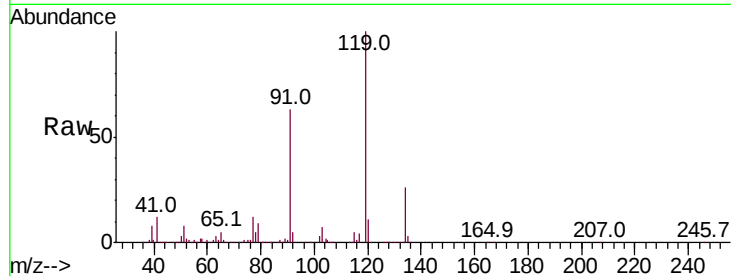
Tot Ion:119 Resp: 440326

Ion Ratio Lower Upper

119 100

91 61.4 30.0 90.0

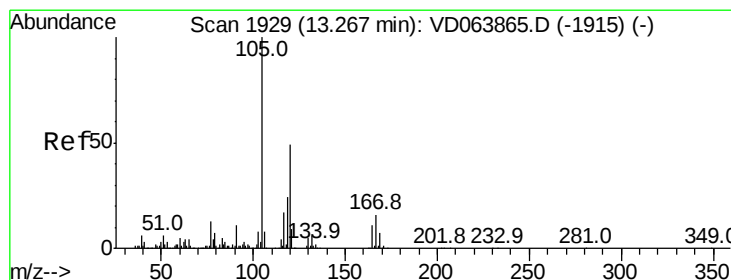
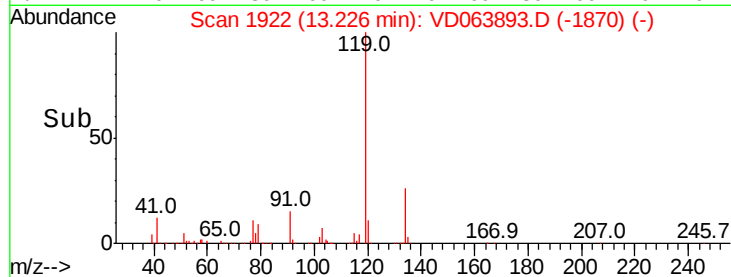
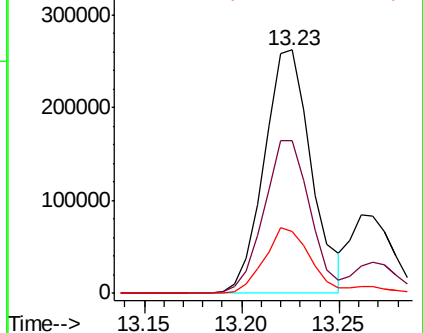
134 26.2 13.0 38.9



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: 53.108 ug/l

RT: 13.27 min Scan# 1929

Delta R.T. -0.00 min

Lab File: VD063893.D

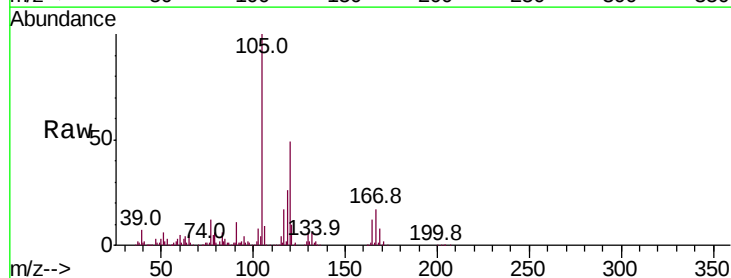
Acq: 07 Oct 2019 10:40

Tgt Ion:105 Resp: 517645

Ion Ratio Lower Upper

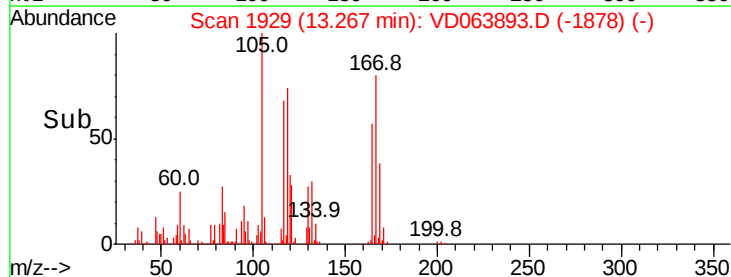
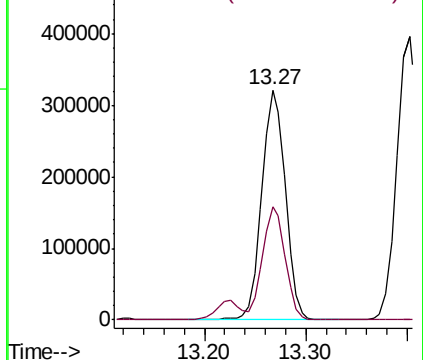
105 100

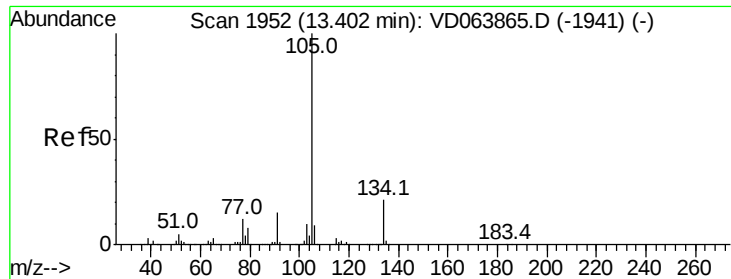
120 46.8 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 54.705 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

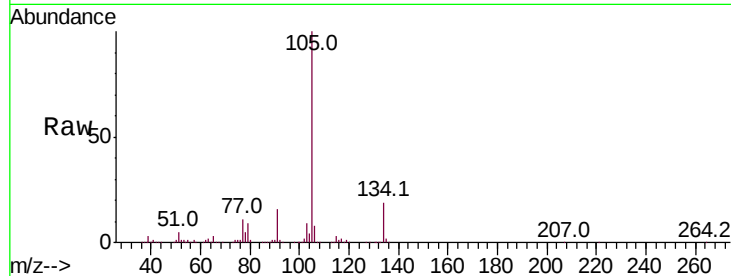
ClientSampled :

Tot Ion:105 Resp: 621635

Ion Ratio Lower Upper

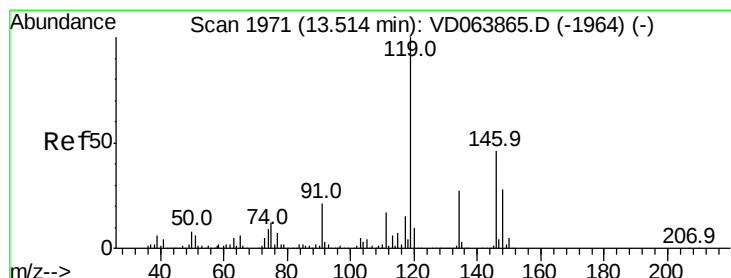
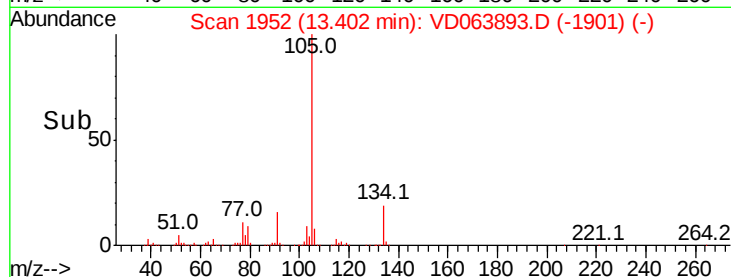
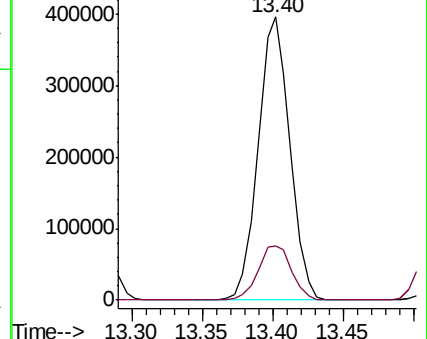
105 100

134 20.5 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.951 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

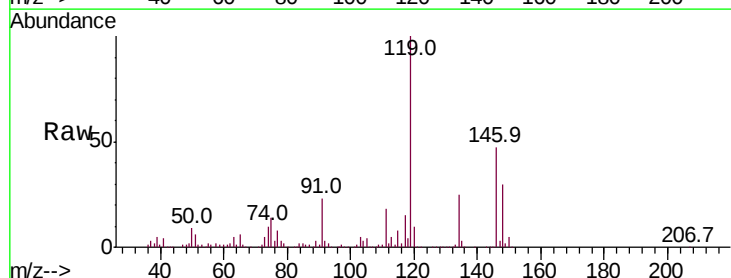
Tgt Ion:119 Resp: 590880

Ion Ratio Lower Upper

119 100

134 26.4 13.9 41.6

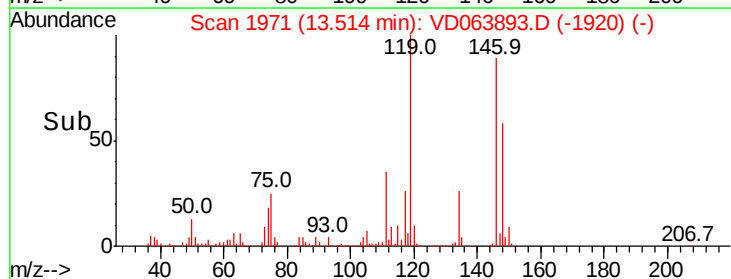
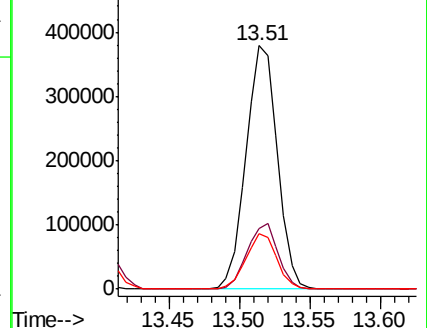
91 22.3 11.2 33.5

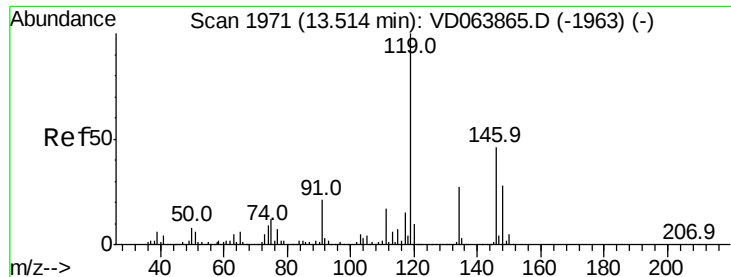


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

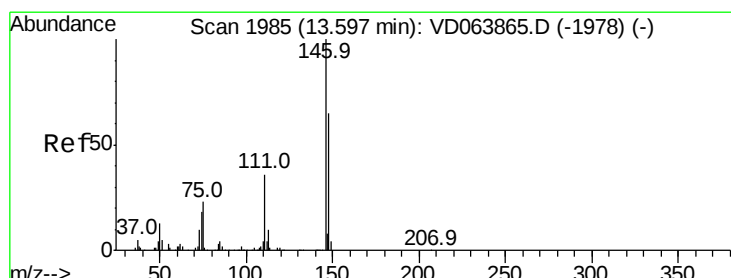
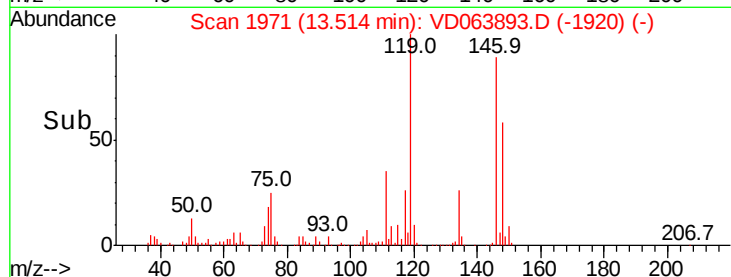
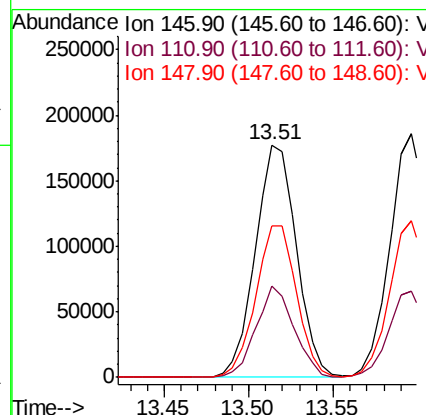
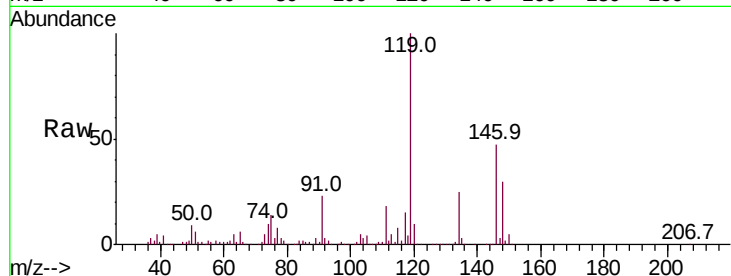




#87
 1,3-Dichlorobenzene
 Concen: 53.561 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

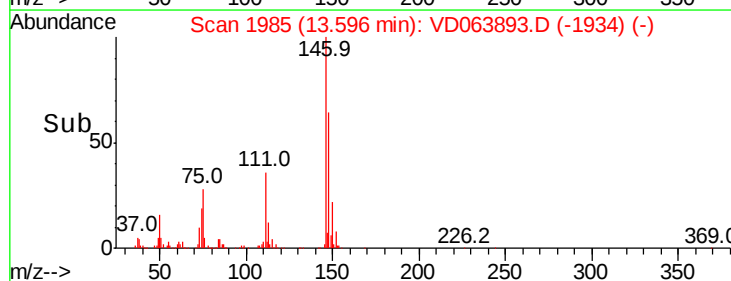
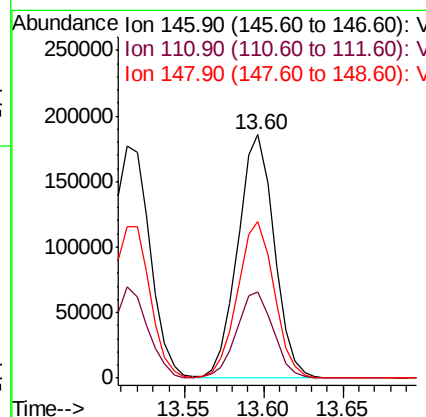
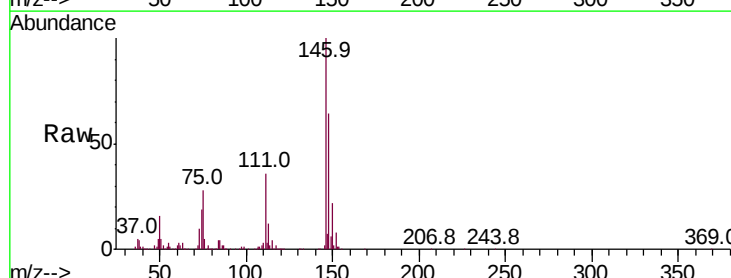
Instrument :
 MSVOA_D
 ClientSampleId :

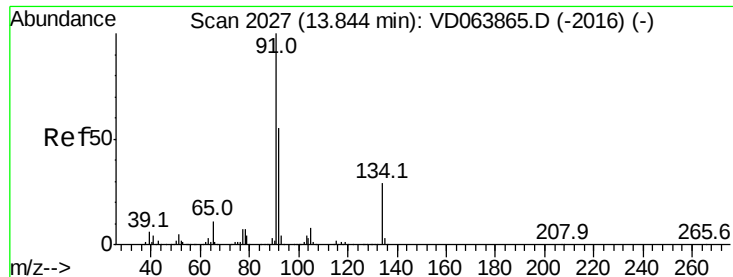
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.3	54.9
148	64.8	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 54.214 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	18.6	56.0
148	64.4	32.6	98.0

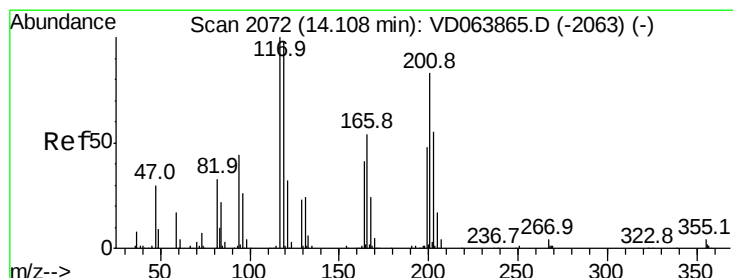
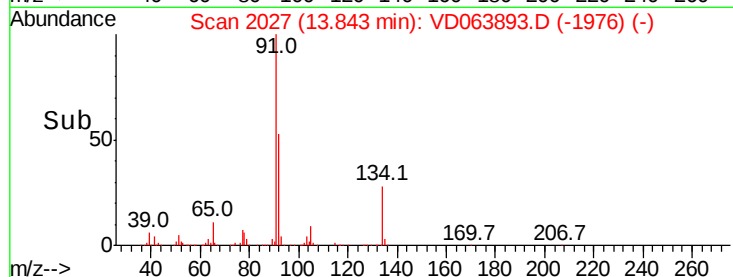
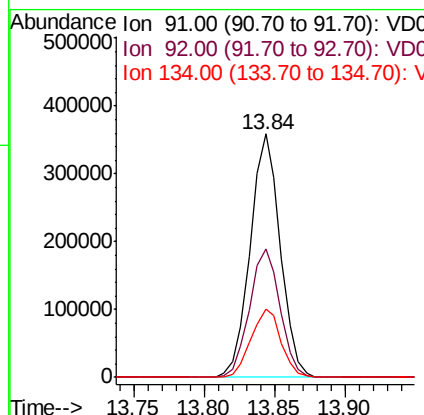
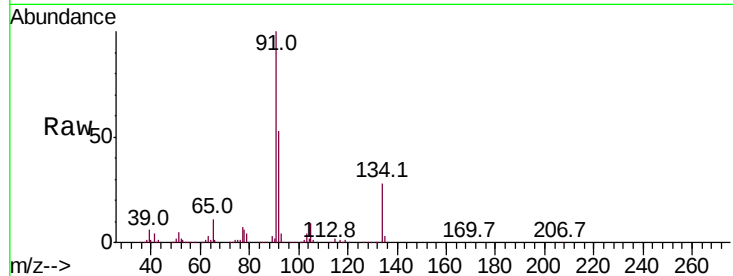




#89
n-Butylbenzene
Concen: 53.568 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

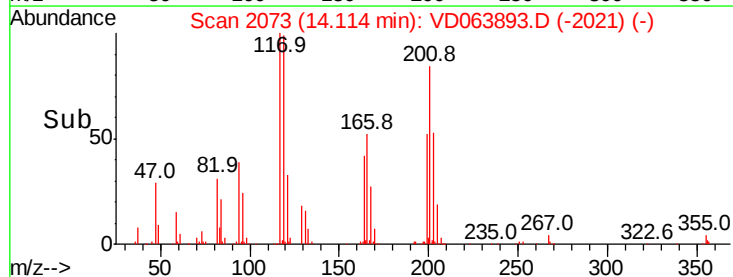
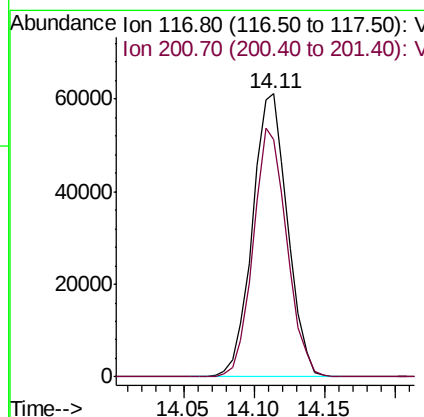
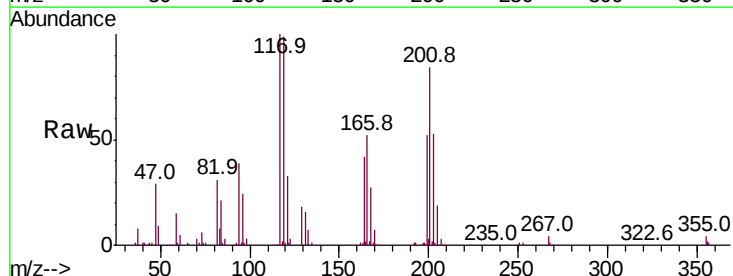
Instrument :
MSVOA_D
ClientSampled :

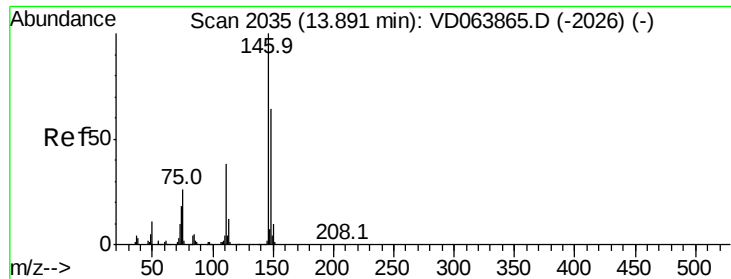
Tot Ion	91	Resp	536167
Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.8	80.3
134	28.1	14.4	43.0



#90
Hexachloroethane
Concen: 55.235 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion	117	Resp	106823
Ion	Ratio	Lower	Upper
117	100		
201	84.1	40.6	121.7





#91

1,2-Dichlorobenzene

Concen: 54.358 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

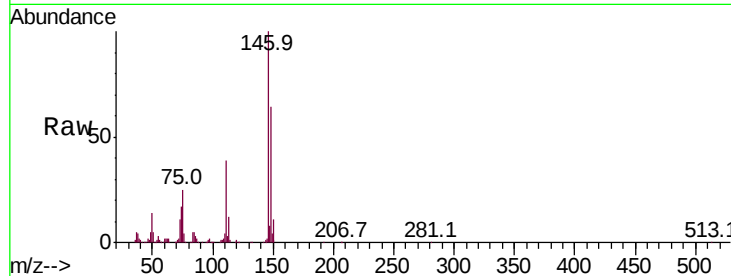
Tot Ion:146 Resp: 261344

Ion Ratio Lower Upper

146 100

111 37.1 18.6 55.6

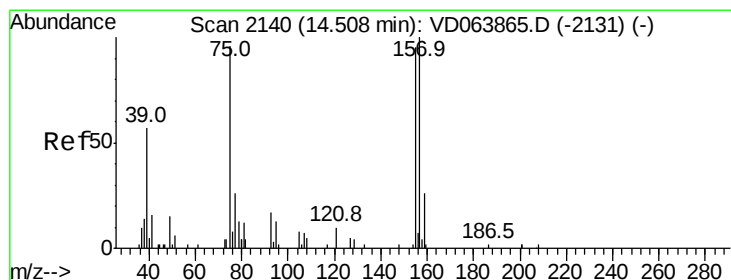
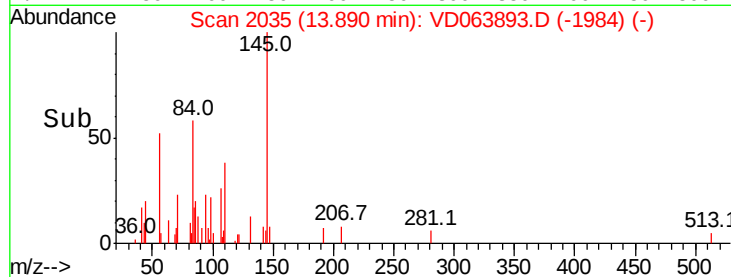
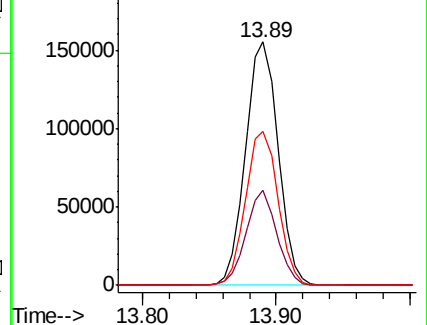
148 63.1 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.860 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

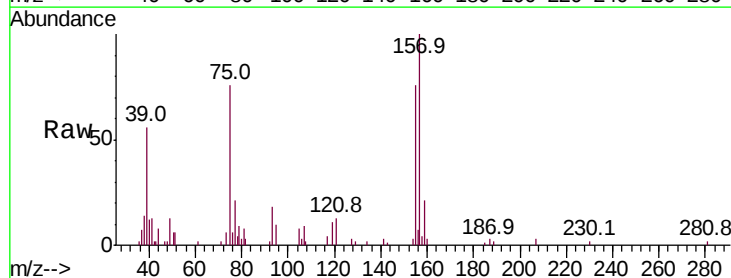
Tgt Ion: 75 Resp: 16736

Ion Ratio Lower Upper

75 100

155 95.5 43.9 131.6

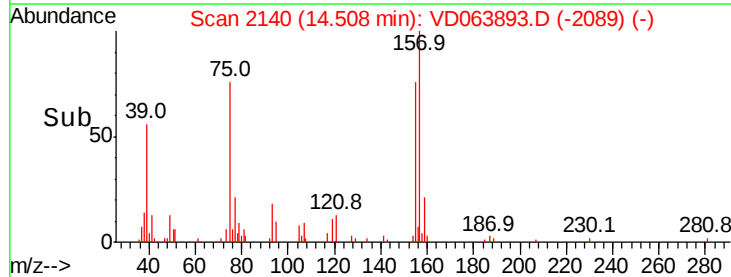
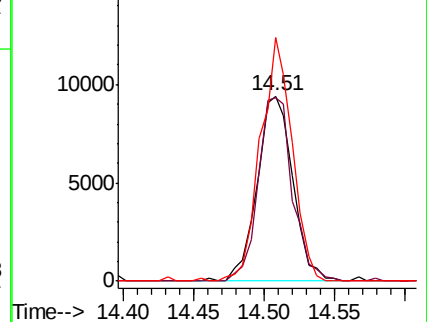
157 116.7 56.0 167.9

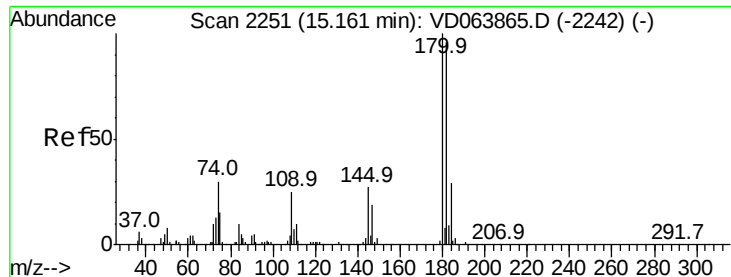


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

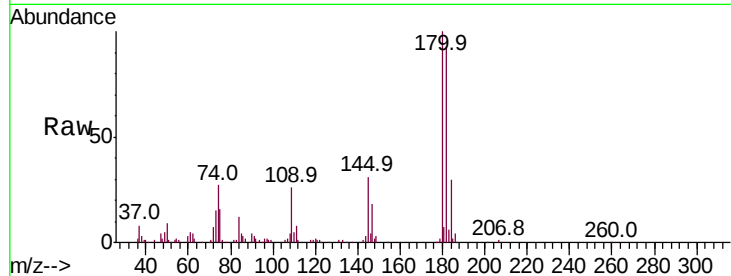




#93
 1,2,4-Trichlorobenzene
 Concen: 53.666 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.4	142.3
145	27.7	13.9	41.7

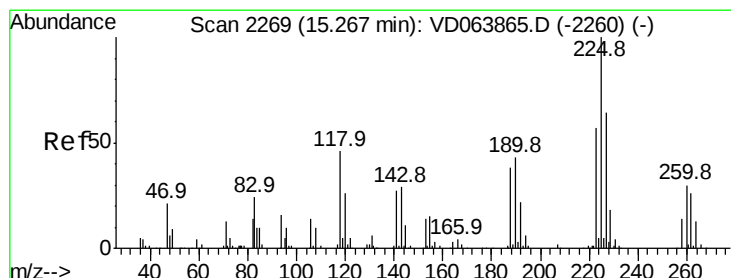
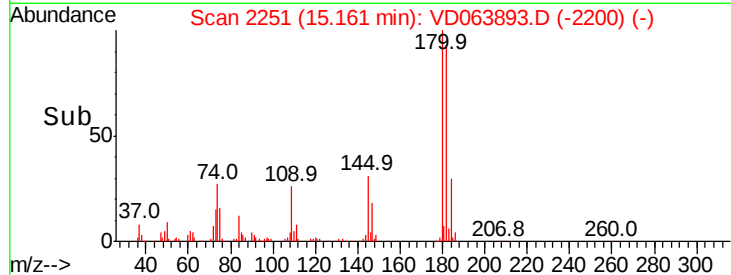
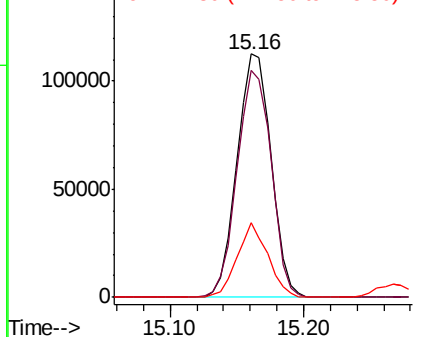


Abundance

Ion 179.80 (179.50 to 180.50): V

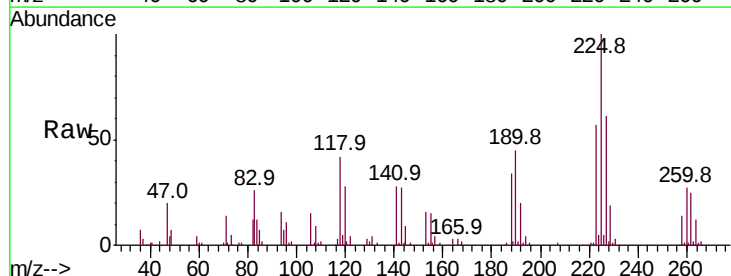
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 52.812 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	29.5	88.6
227	65.2	30.8	92.4

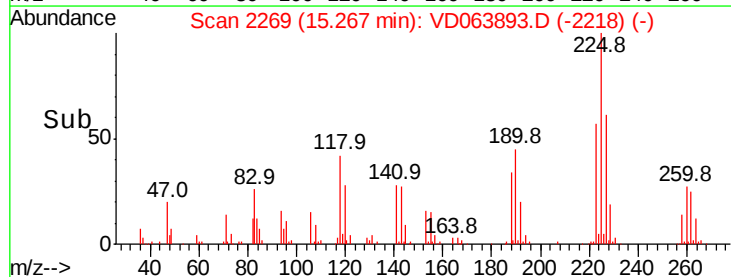
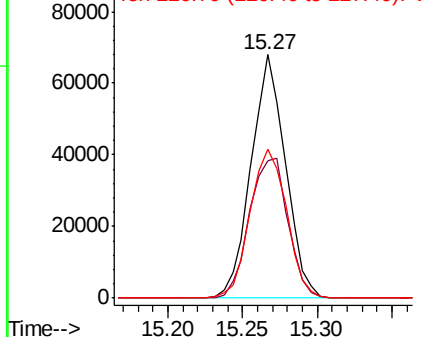


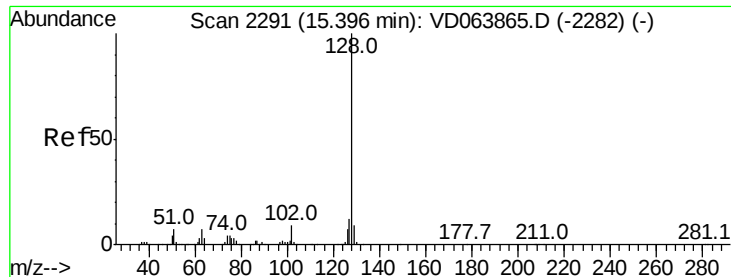
Abundance

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: 54.041 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.01 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

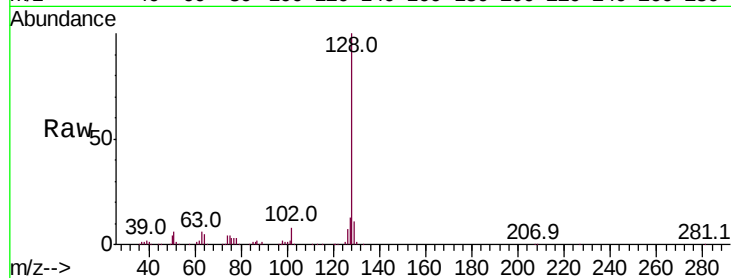
Tot Ion:128 Resp: 336954

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

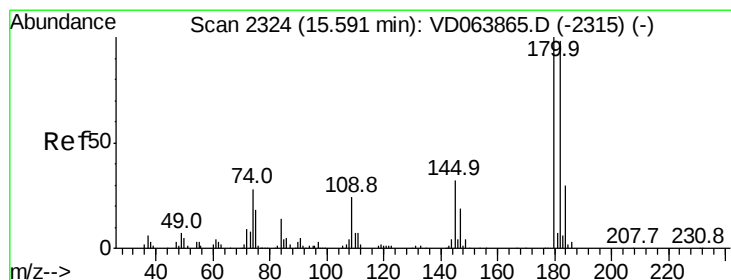
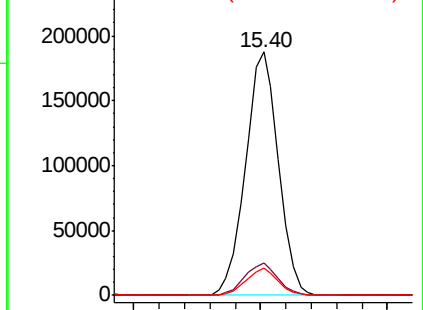
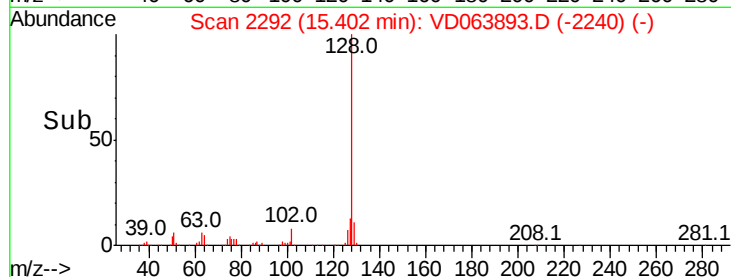
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 54.314 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.01 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

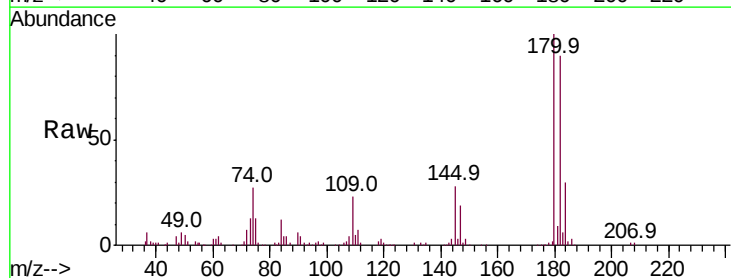
Tgt Ion:180 Resp: 173845

Ion Ratio Lower Upper

180 100

182 94.0 47.0 141.0

145 31.1 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

