

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100719\
 Data File : VD063895.D
 Acq On : 07 Oct 2019 12:22
 Operator : VA/SY
 Sample : VD1007SBS01
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 08 17:26:06 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	211639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	330434	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	322254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	169619	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	95492	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	
35) Dibromofluoromethane	7.92	113	99854	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
50) Toluene-d8	10.34	98	408134	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
62) 4-Bromofluorobenzene	12.63	95	133539	46.88	ug/l	0.00
Spiked Amount			Recovery	=	93.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	26008	17.328	ug/l	95
3) Chloromethane	2.21	50	86106	18.477	ug/l	96
4) Vinyl Chloride	2.34	62	95414	19.669	ug/l	96
5) Bromomethane	2.76	94	54220	17.386	ug/l	96
6) Chloroethane	2.91	64	60079	18.727	ug/l	93
7) Trichlorofluoromethane	3.27	101	120926	18.855	ug/l	95
8) Diethyl Ether	3.71	74	20192	19.615	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	35603	20.054	ug/l	94
10) Methyl Iodide	4.29	142	43974	17.976	ug/l	99
11) Tert butyl alcohol	5.25	59	14934	99.500	ug/l #	84
12) 1,1-Dichloroethene	4.06	96	34990	19.727	ug/l	93
13) Acrolein	3.93	56	17409	94.600	ug/l	99
14) Allyl chloride	4.70	41	55949	18.973	ug/l	99
15) Acrylonitrile	5.43	53	43648	96.170	ug/l	98
16) Acetone	4.16	43	44883	83.667	ug/l	98
17) Carbon Disulfide	4.40	76	119462	18.528	ug/l	99
18) Methyl Acetate	4.72	43	20251	19.301	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	87983	19.156	ug/l	95
20) Methylene Chloride	4.96	84	52248	20.153	ug/l #	84
21) trans-1,2-Dichloroethene	5.47	96	43410	19.660	ug/l	99
22) Diisopropyl ether	6.37	45	119252	19.801	ug/l	97
23) Vinyl Acetate	6.31	43	352214	98.308	ug/l	100
24) 1,1-Dichloroethane	6.26	63	69494	18.733	ug/l	97
25) 2-Butanone	7.22	43	60011	94.394	ug/l #	82
26) 2,2-Dichloropropane	7.21	77	65671	19.570	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	46607	18.648	ug/l	99
28) Bromochloromethane	7.55	49	23389	17.829	ug/l	96
29) Tetrahydrofuran	7.57	42	35496	95.657	ug/l	95
30) Chloroform	7.71	83	77874	19.328	ug/l	98
31) Cyclohexane	7.98	56	65452	18.854	ug/l #	89
32) 1,1,1-Trichloroethane	7.91	97	65972	19.088	ug/l	98
36) 1,1-Dichloropropene	8.11	75	59443	19.675	ug/l	96
37) Ethyl Acetate	7.30	43	26079	19.059	ug/l	99
38) Carbon Tetrachloride	8.10	117	60580	19.842	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	71886	19.351	ug/l	91
40) Benzene	8.35	78	175001	20.213	ug/l	97
41) Methacrylonitrile	7.53	41	11709	16.716	ug/l #	92
42) 1,2-Dichloroethane	8.43	62	46591	18.603	ug/l	100
43) Isopropyl Acetate	8.46	43	51438	20.301	ug/l	94
44) Trichloroethene	9.11	130	49179	19.698	ug/l	98
45) 1,2-Dichloropropane	9.38	63	42021	19.829	ug/l	93
46) Dibromomethane	9.47	93	23984	19.873	ug/l	98
47) Bromodichloromethane	9.67	83	60127	19.350	ug/l	99
48) Methyl methacrylate	9.46	41	22572	18.593	ug/l	97
49) 1,4-Dioxane	9.47	88	6508	395.046	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	131961	100.424	ug/l	96
52) Toluene	10.40	92	114464	19.259	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	56806	18.735	ug/l #	89
54) cis-1,3-Dichloropropene	10.09	75	67384	19.306	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	35083	20.588	ug/l	95
56) Ethyl methacrylate	10.66	69	40982	18.991	ug/l	93
57) 1,3-Dichloropropane	10.94	76	57562	19.743	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	84983	91.618	ug/l	98
59) 2-Hexanone	10.99	43	91281	96.031	ug/l	96
60) Dibromochloromethane	11.14	129	44258	19.949	ug/l	96
61) 1,2-Dibromoethane	11.24	107	32187	19.483	ug/l	95
64) Tetrachloroethene	10.88	164	43297	19.681	ug/l	88
65) Chlorobenzene	11.67	112	131648	20.342	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	46260	19.399	ug/l	97
67) Ethyl Benzene	11.74	91	231153	19.808	ug/l	96
68) m/p-Xylenes	11.86	106	179524	39.856	ug/l	100
69) o-Xylene	12.18	106	82969	19.237	ug/l	96
70) Styrene	12.19	104	144198	19.749	ug/l	97
71) Bromoform	12.36	173	24378	19.048	ug/l #	97
73) Isopropylbenzene	12.48	105	220912	19.374	ug/l	98
74) N-amyl acetate	12.29	43	49678	20.235	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	40206	20.263	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	51382	45.228	ug/l #	100
77) Bromobenzene	12.76	156	55437	19.514	ug/l	97
78) n-propylbenzene	12.82	91	273174	20.410	ug/l	100
79) 2-Chlorotoluene	12.91	91	146741	19.883	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	191578	20.139	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	11327	17.644	ug/l #	82
82) 4-Chlorotoluene	13.01	91	156160	19.947	ug/l	100
83) tert-Butylbenzene	13.22	119	160966	19.013	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	193373	19.718	ug/l	99
85) sec-Butylbenzene	13.40	105	231491	20.247	ug/l	97
86) p-Isopropyltoluene	13.51	119	217647	20.117	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	106440	18.962	ug/l	95
88) 1,4-Dichlorobenzene	13.60	146	110353	19.927	ug/l	99
89) n-Butylbenzene	13.84	91	204896	20.346	ug/l	99
90) Hexachloroethane	14.11	117	38944	20.014	ug/l	93
91) 1,2-Dichlorobenzene	13.89	146	94711	19.579	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.50	75	6941	21.094	ug/l	96

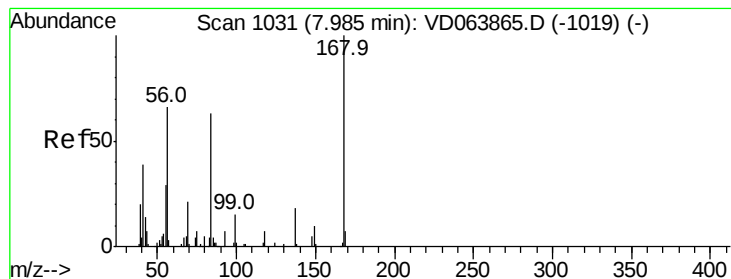
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100719\
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Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	70602	18.915	ug/l	96
94) Hexachlorobutadiene	15.27	225	38286	18.588	ug/l	91
95) Naphthalene	15.40	128	125338	19.979	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	59841	18.582	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

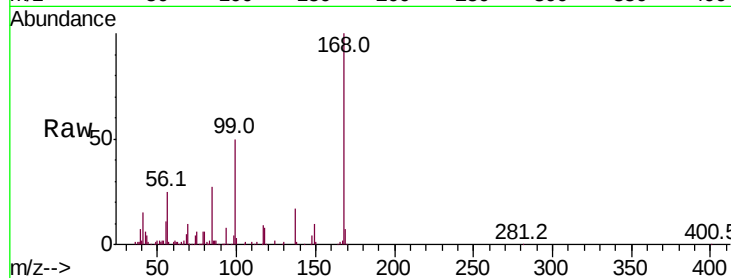
ClientSampleId :

Tot Ion:168 Resp: 211639

Ion Ratio Lower Upper

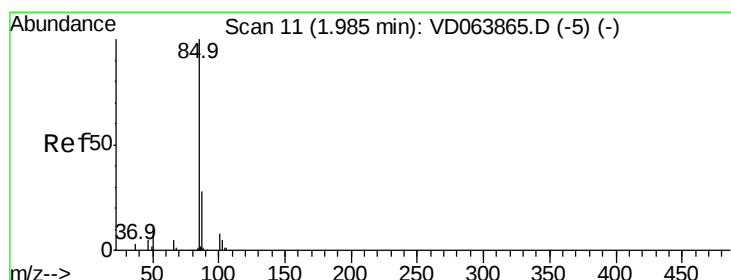
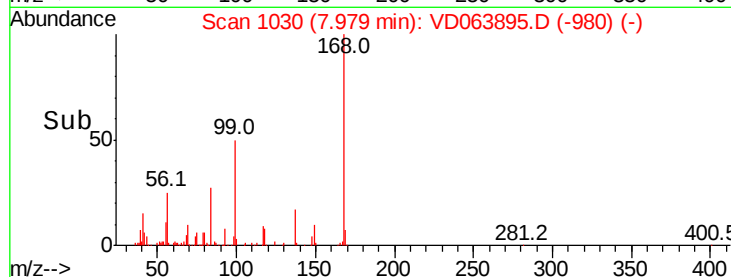
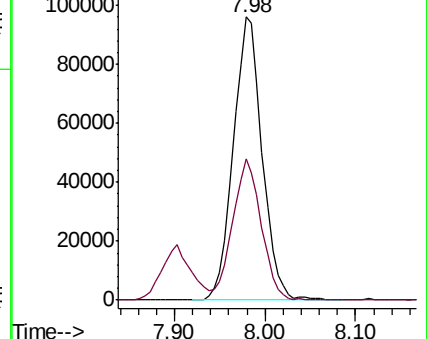
168 100

99 49.6 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 17.328 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063895.D

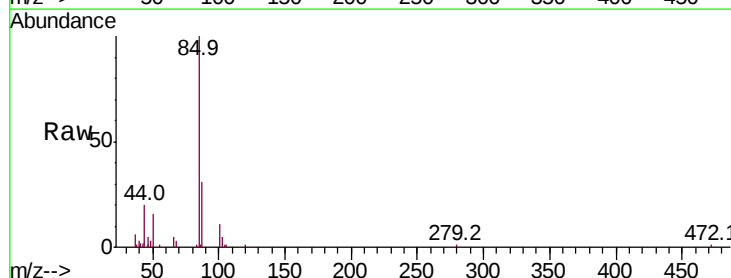
Acq: 07 Oct 2019 12:22

Tgt Ion: 85 Resp: 26008

Ion Ratio Lower Upper

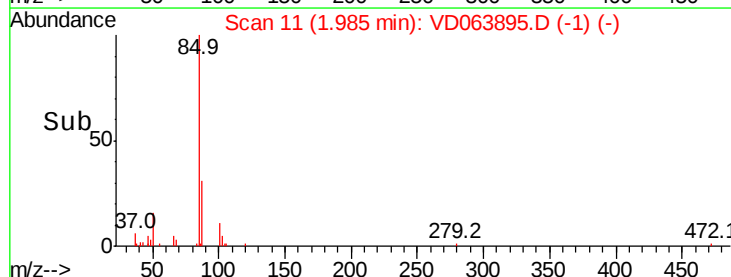
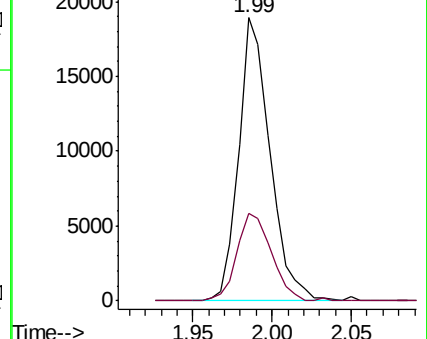
85 100

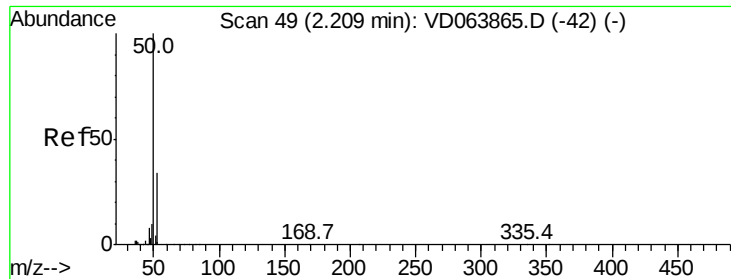
87 30.8 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

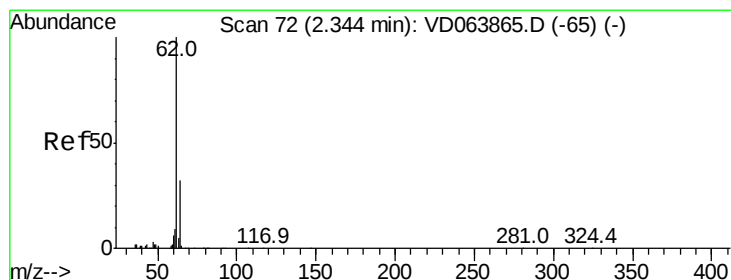
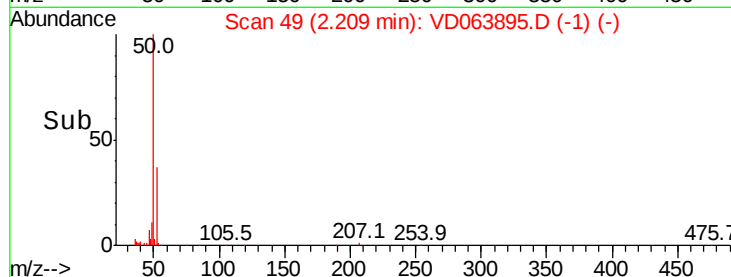
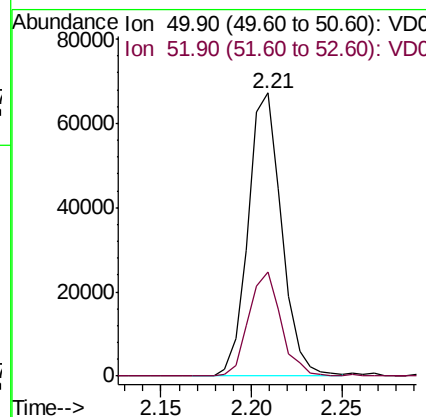
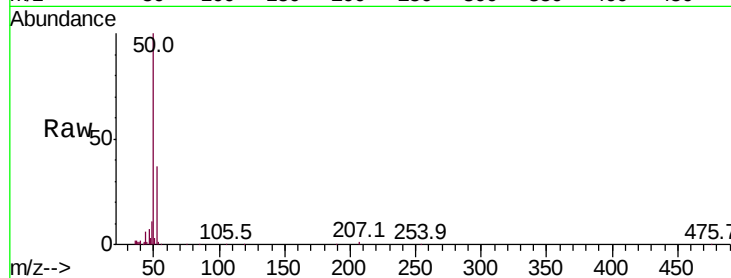




#3
Chloromethane
Concen: 18.477 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

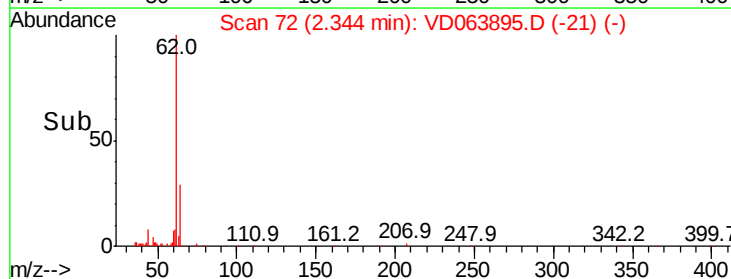
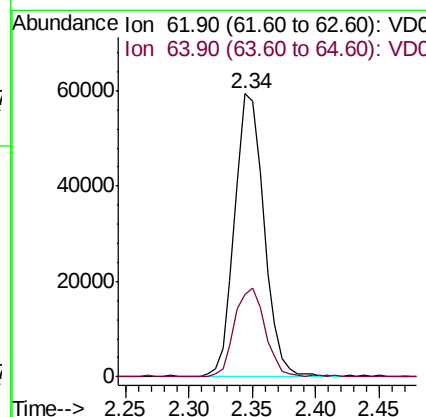
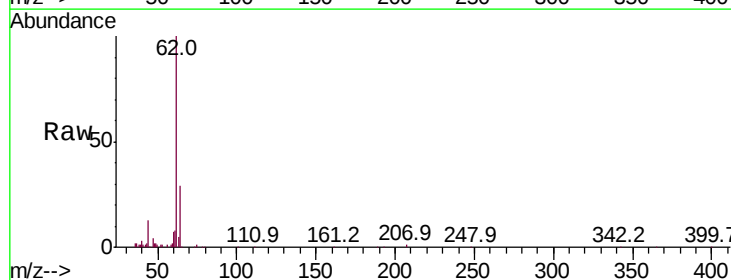
Instrument :
MSVOA_D
ClientSampleId :

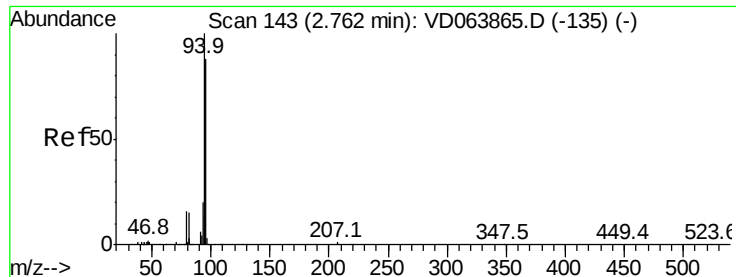
Tot Ion: 50 Resp: 86106
Ion Ratio Lower Upper
50 100
52 36.6 27.5 41.3



#4
Vinyl Chloride
Concen: 19.669 ug/l
RT: 2.34 min Scan# 72
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion: 62 Resp: 95414
Ion Ratio Lower Upper
62 100
64 29.3 25.4 38.0





#5

Bromomethane

Concen: 17.386 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

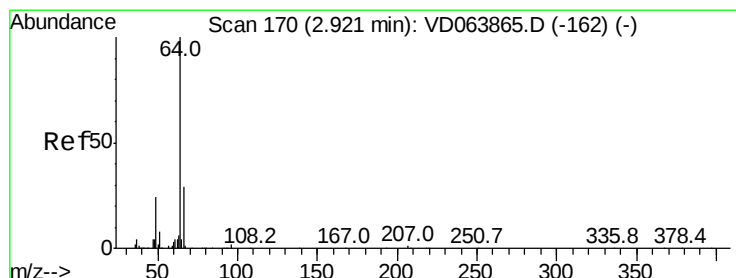
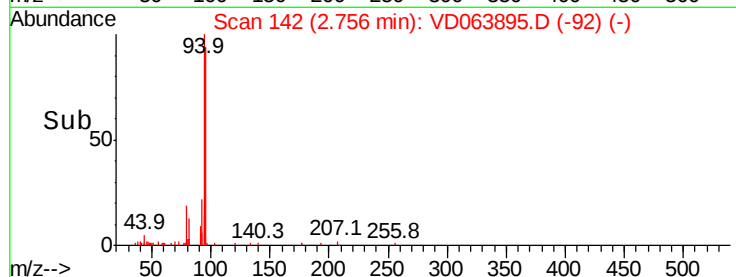
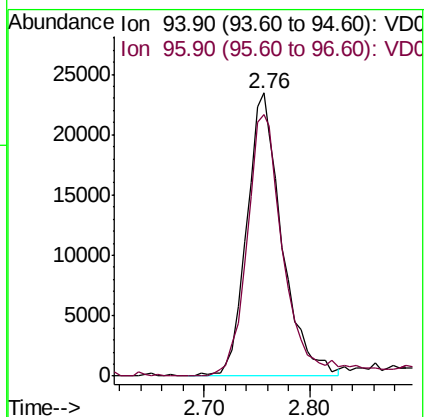
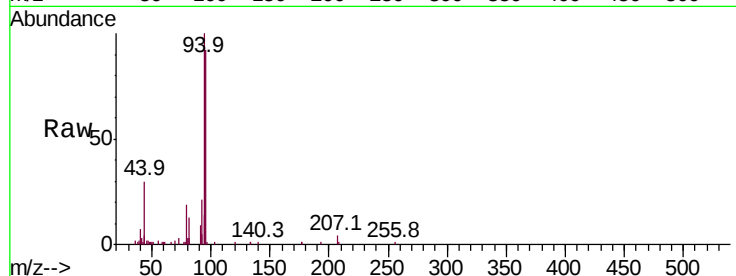
ClientSampled :

Tot Ion: 94 Resp: 54220

Ion Ratio Lower Upper

94 100

96 92.2 70.8 106.2



#6

Chloroethane

Concen: 18.727 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD063895.D

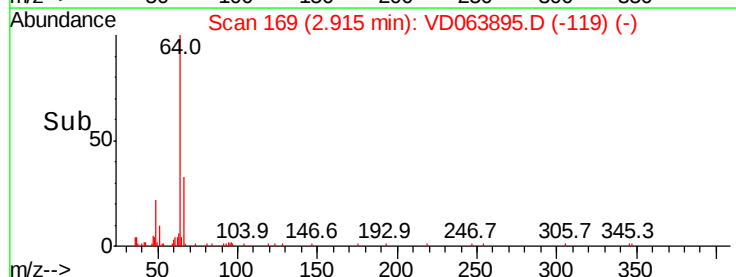
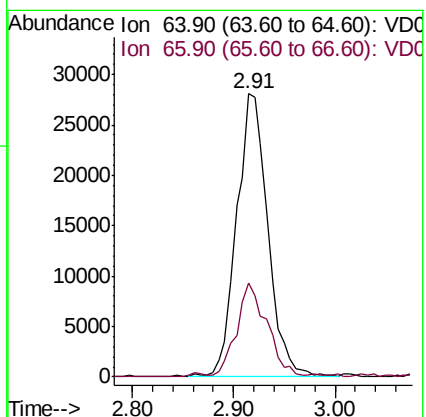
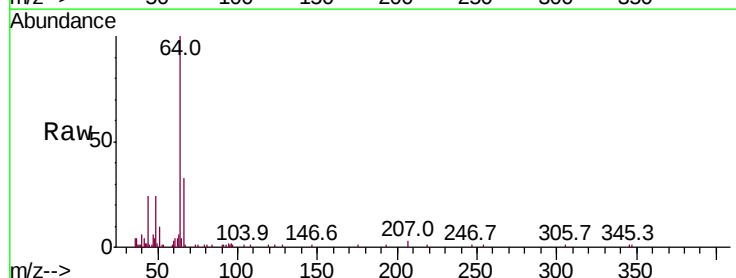
Acq: 07 Oct 2019 12:22

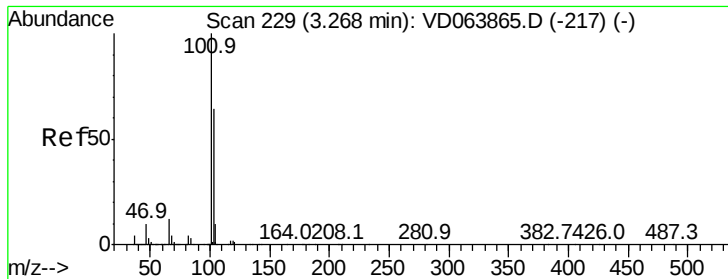
Tgt Ion: 64 Resp: 60079

Ion Ratio Lower Upper

64 100

66 32.6 23.0 34.4



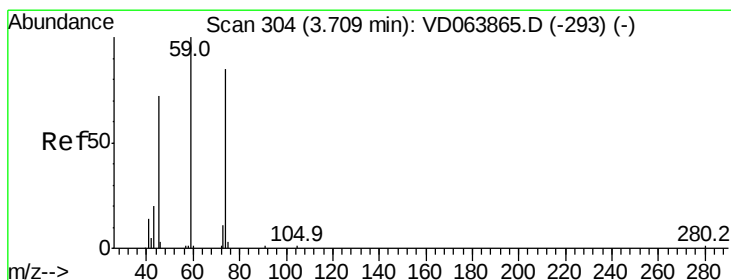
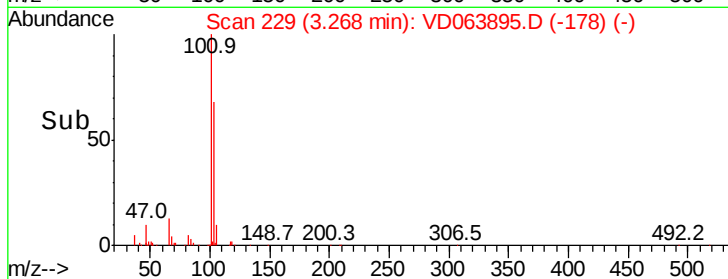
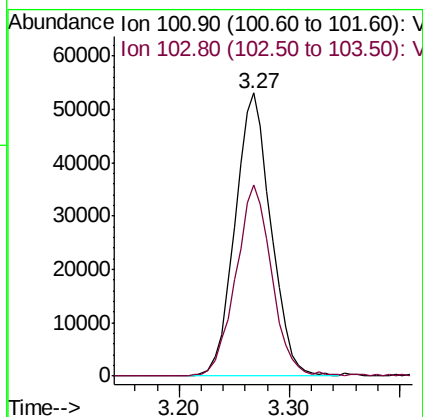
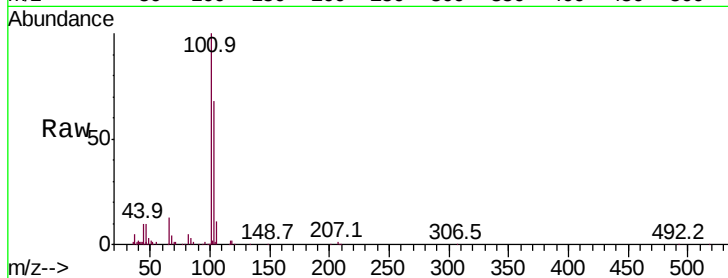


#7

Trichlorofluoromethane
Concen: 18.855 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampled :

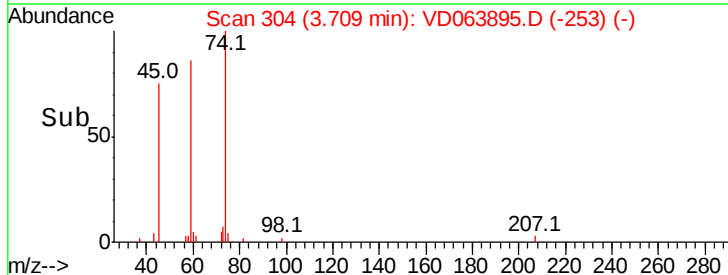
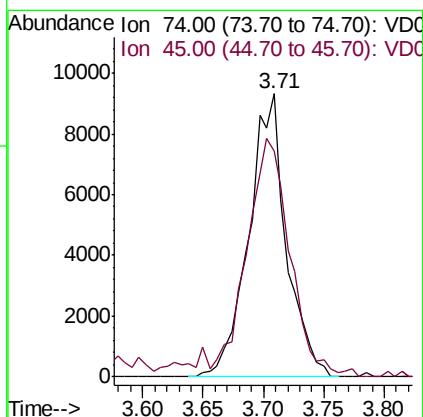
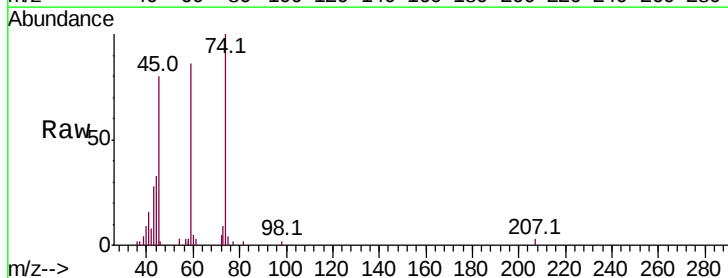
Tot Ion:101 Resp: 120926
Ion Ratio Lower Upper
101 100
103 67.6 51.1 76.7

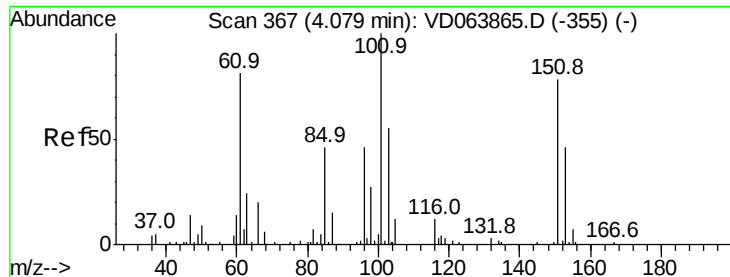


#8

Diethyl Ether
Concen: 19.615 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion: 74 Resp: 20192
Ion Ratio Lower Upper
74 100
45 97.1 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.054 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

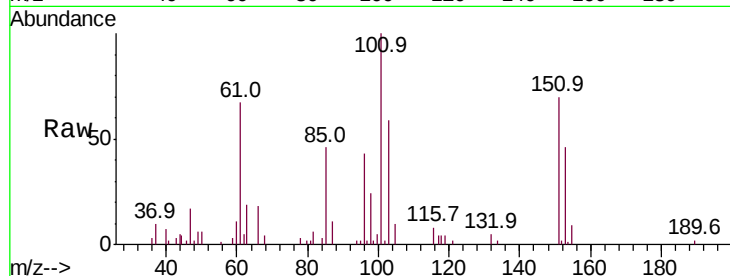
Tot Ion:101 Resp: 35603

Ion Ratio Lower Upper

101 100

85 42.0 37.5 56.3

151 77.7 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V

15000

10000

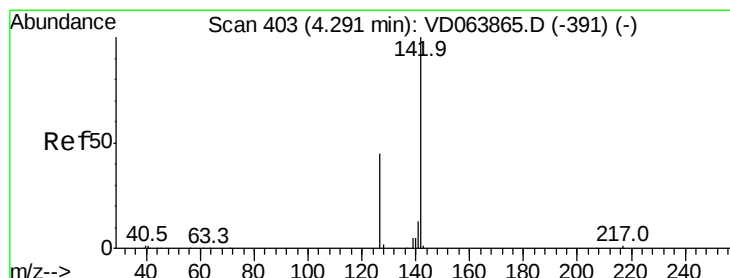
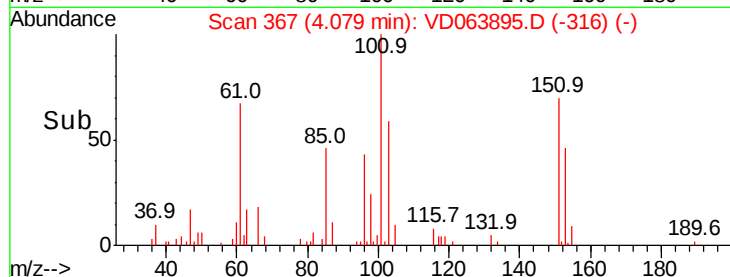
5000

0

4.08

4.00 4.10 4.20

Time-->



#10

Methyl Iodide

Concen: 17.976 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

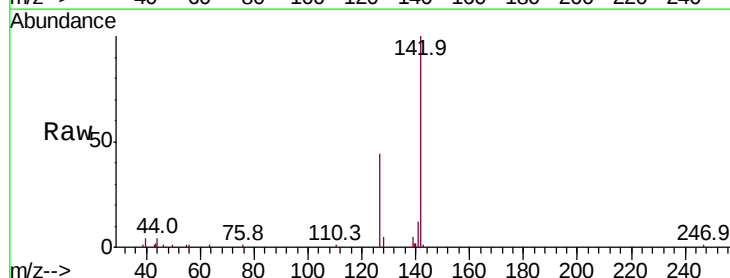
Tgt Ion:142 Resp: 43974

Ion Ratio Lower Upper

142 100

127 44.4 35.3 52.9

141 14.3 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

20000

15000

10000

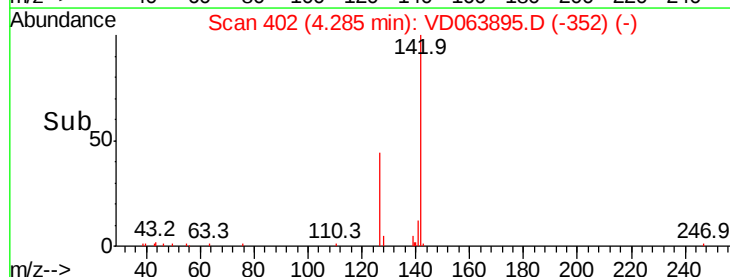
5000

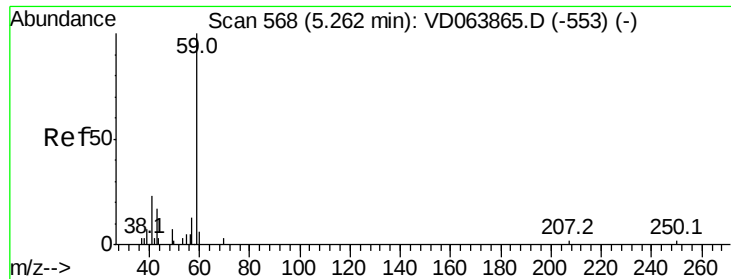
0

4.29

4.20 4.30 4.40

Time-->



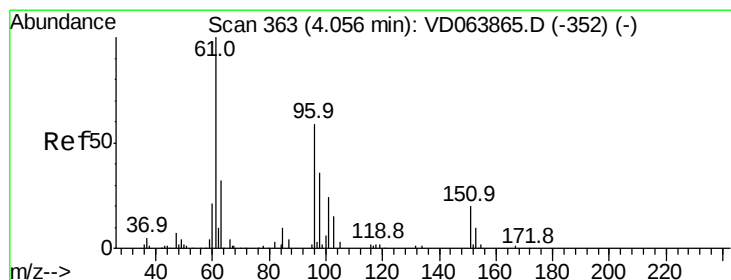
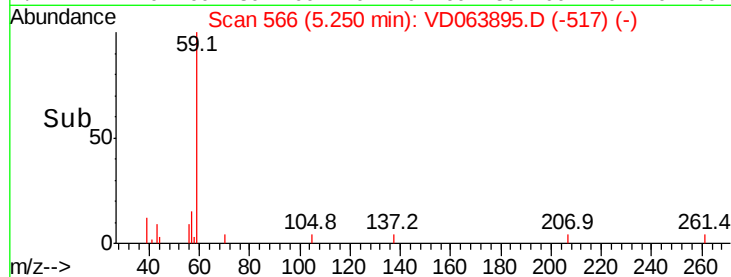
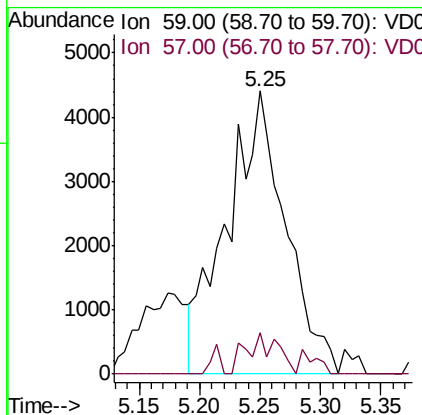
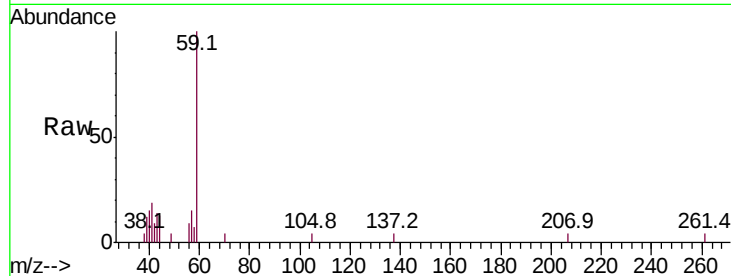


#11

Tert butyl alcohol
 Concen: 99.500 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Instrument :
 MSVOA_D
 ClientSampleId :

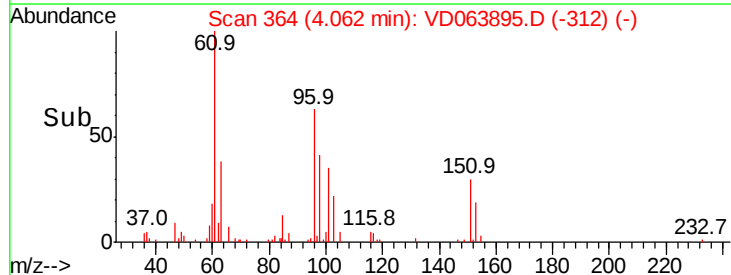
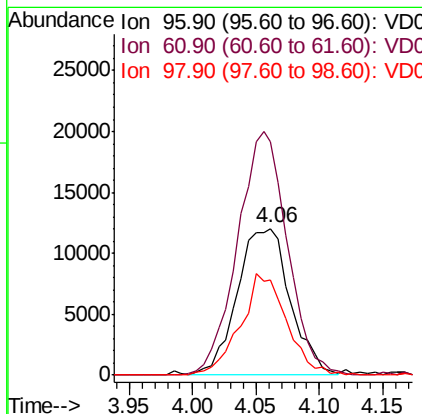
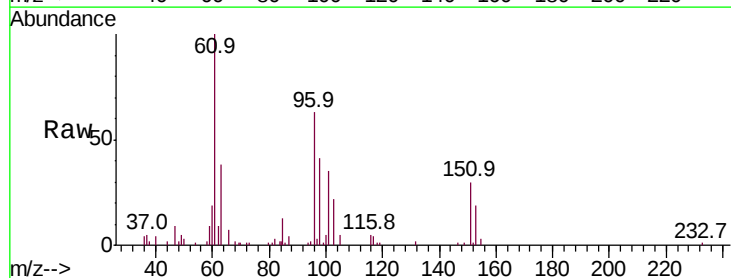
Tot Ion: 59 Resp: 14934
 Ion Ratio Lower Upper
 59 100
 57 5.0 8.8 13.2#

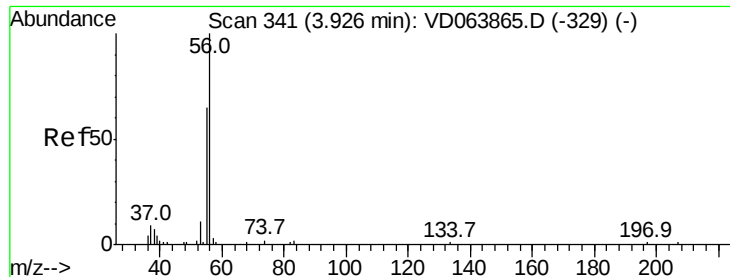


#12

1,1-Dichloroethene
 Concen: 19.727 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Tgt Ion: 96 Resp: 34990
 Ion Ratio Lower Upper
 96 100
 61 157.9 135.6 203.4
 98 64.9 49.2 73.8





#13

Acrolein

Concen: 94.600 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

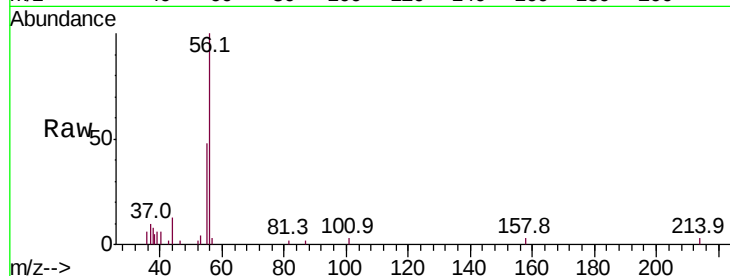
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 17409

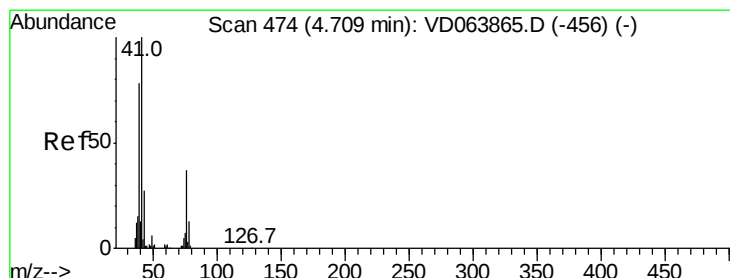
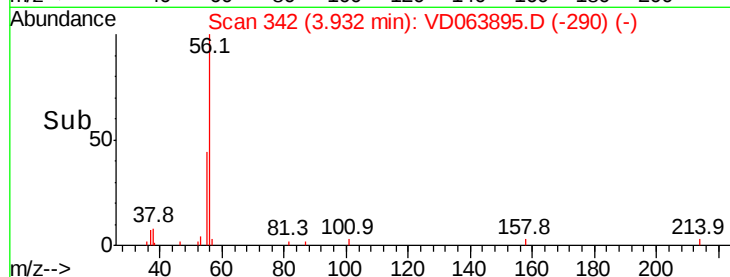
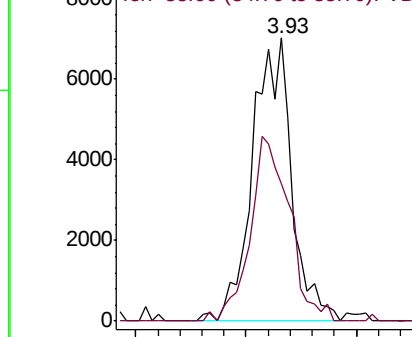
Ion Ratio Lower Upper

56 100

55 65.5 53.0 79.6



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



#14

Allyl chloride

Concen: 18.973 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

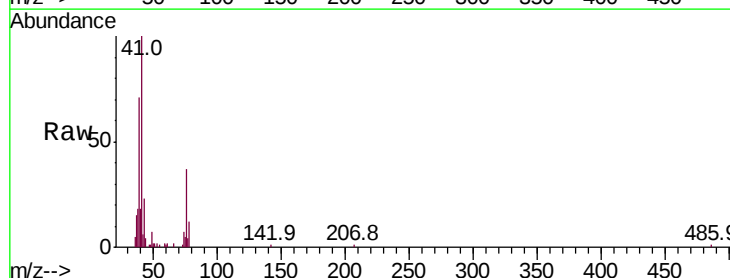
Tgt Ion: 41 Resp: 55949

Ion Ratio Lower Upper

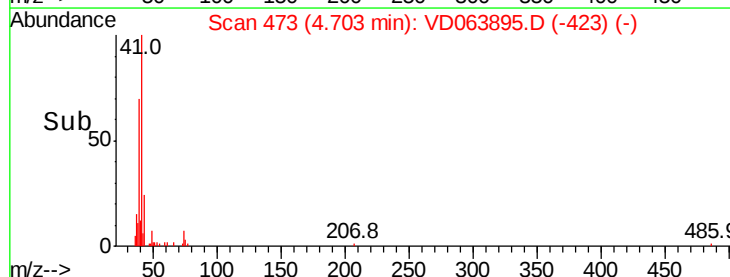
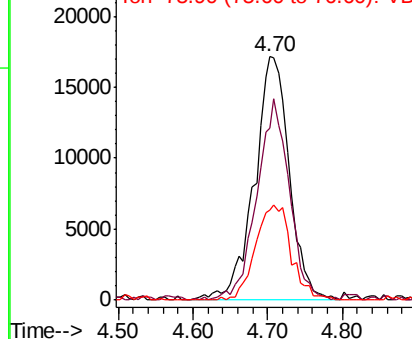
41 100

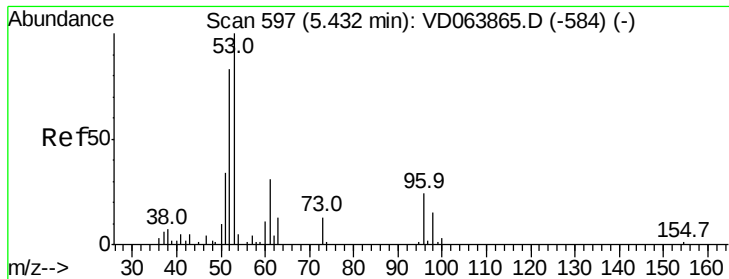
39 76.3 61.8 92.6

76 39.9 31.3 46.9



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





#15

Acrylonitrile

Concen: 96.170 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

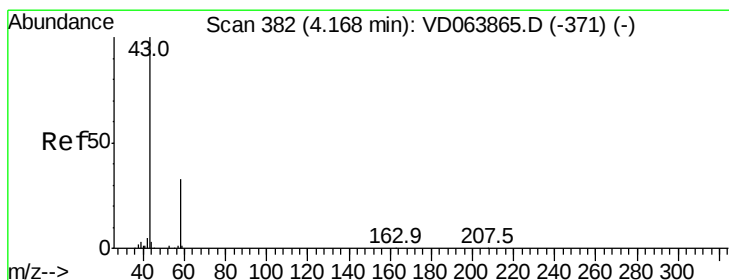
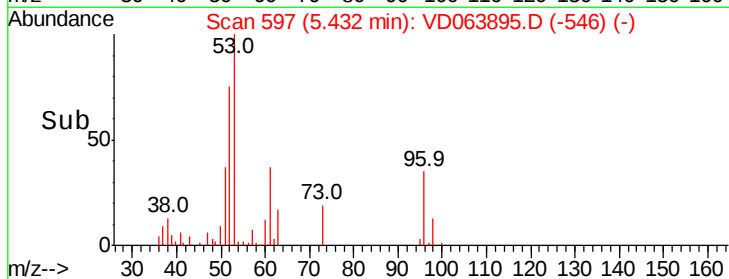
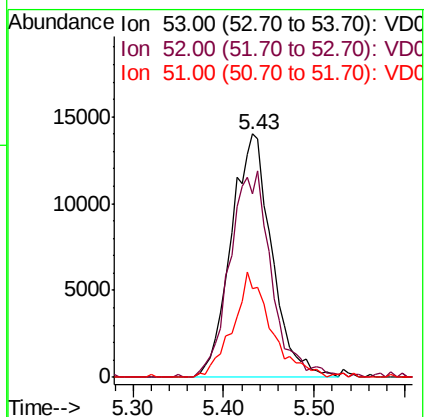
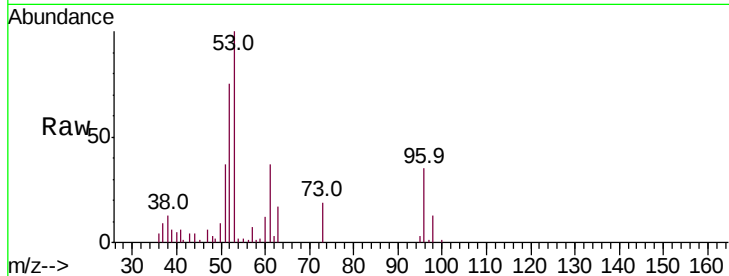
Tot Ion: 53 Resp: 43648

Ion Ratio Lower Upper

53 100

52 84.9 67.3 100.9

51 40.4 30.5 45.7



#16

Acetone

Concen: 83.667 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD063895.D

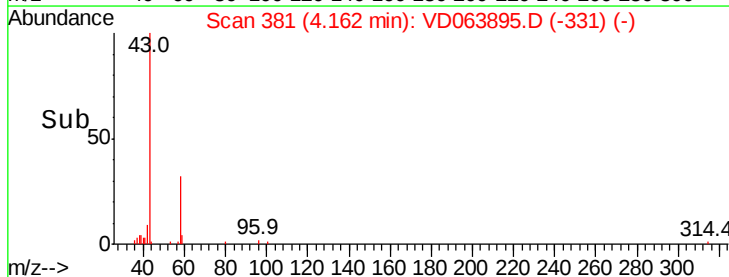
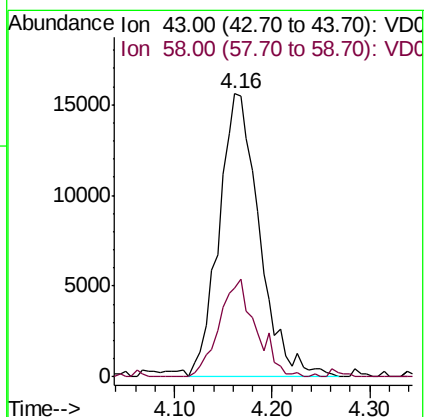
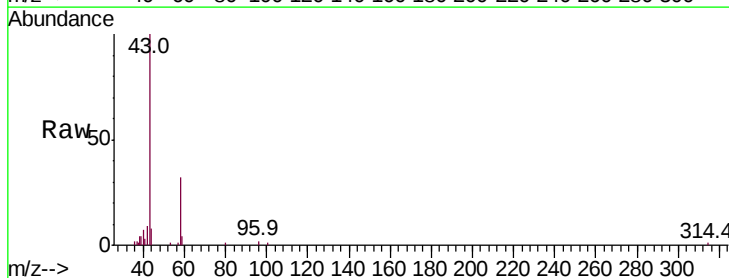
Acq: 07 Oct 2019 12:22

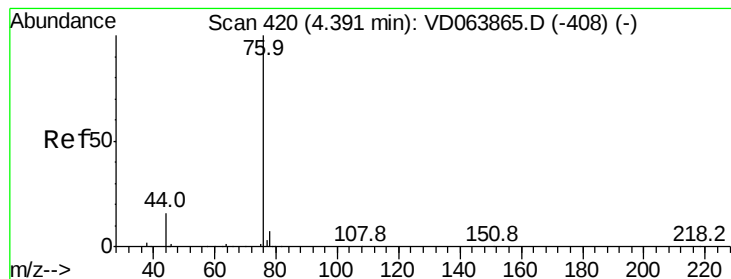
Tgt Ion: 43 Resp: 44883

Ion Ratio Lower Upper

43 100

58 31.6 26.2 39.4





#17

Carbon Disulfide

Concen: 18.528 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.01 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

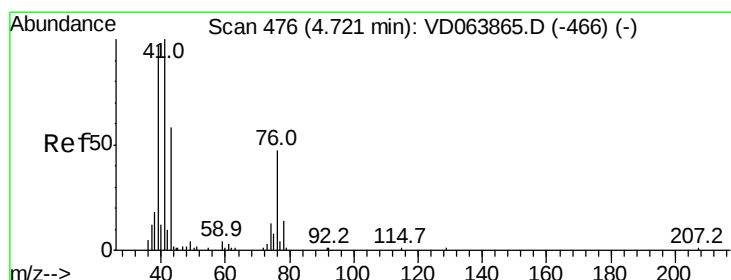
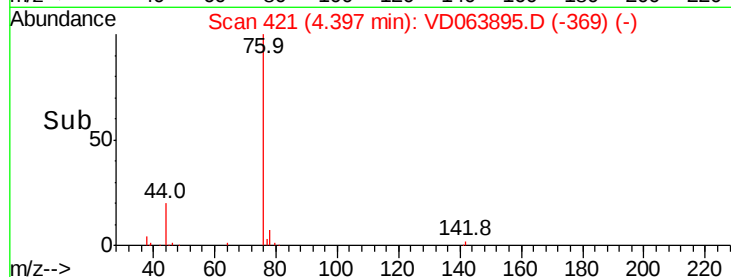
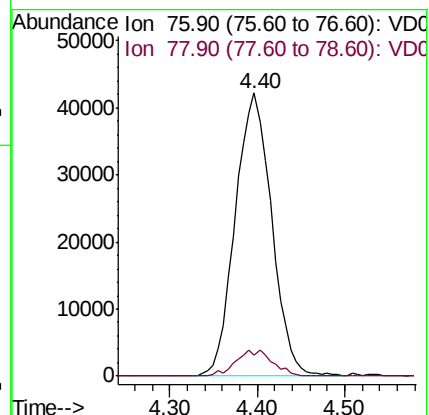
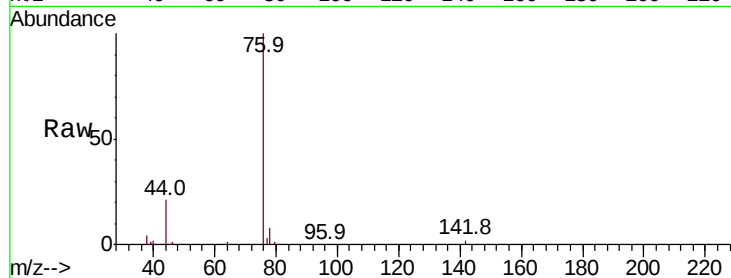
ClientSampleId :

Tot Ion: 76 Resp: 119462

Ion Ratio Lower Upper

76 100

78 7.5 5.8 8.8



#18

Methyl Acetate

Concen: 19.301 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD063895.D

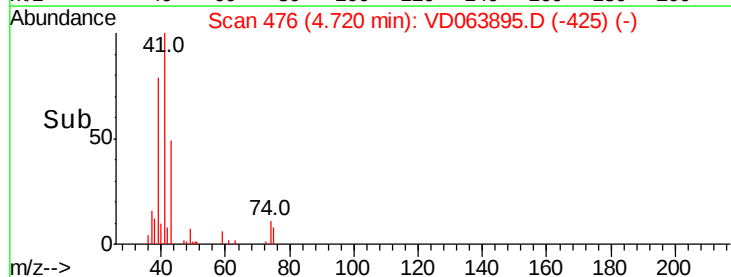
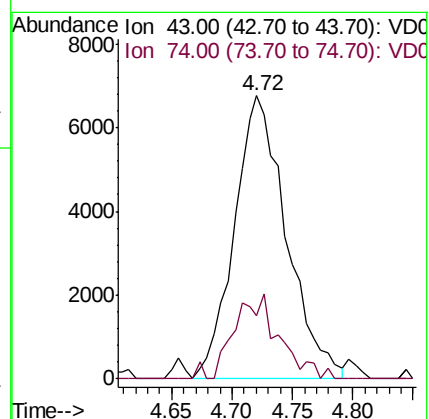
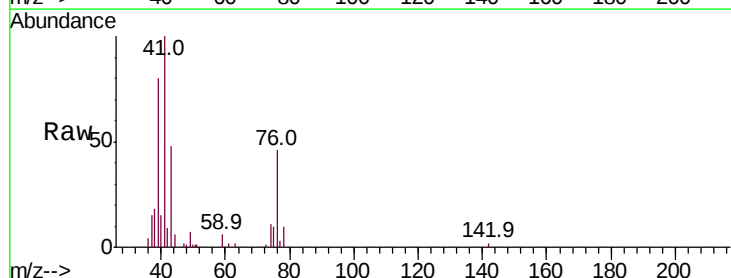
Acq: 07 Oct 2019 12:22

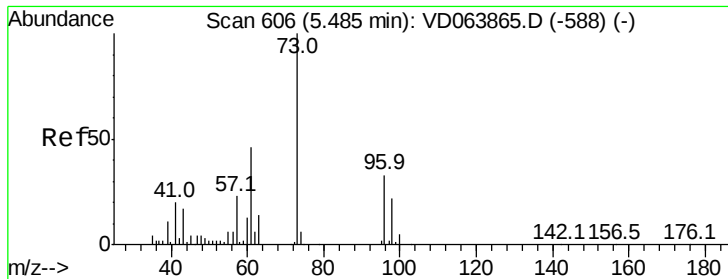
Tgt Ion: 43 Resp: 20251

Ion Ratio Lower Upper

43 100

74 25.4 20.8 31.2



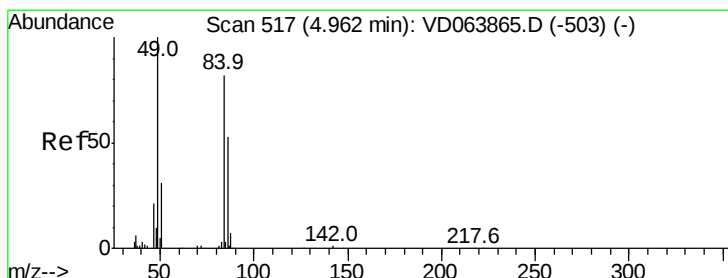
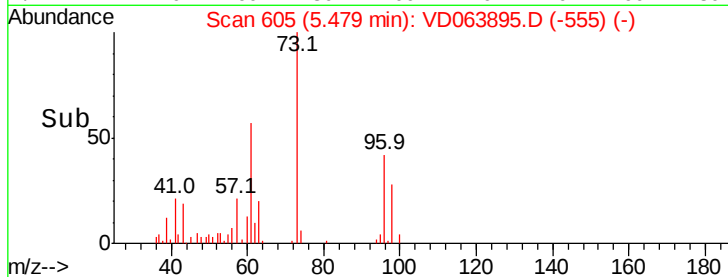
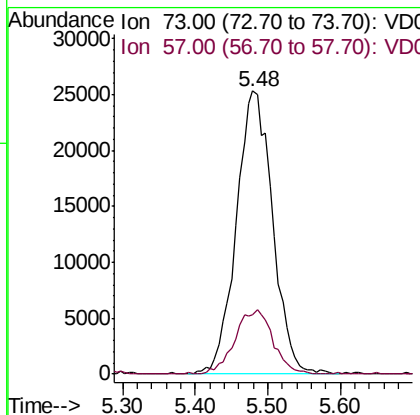
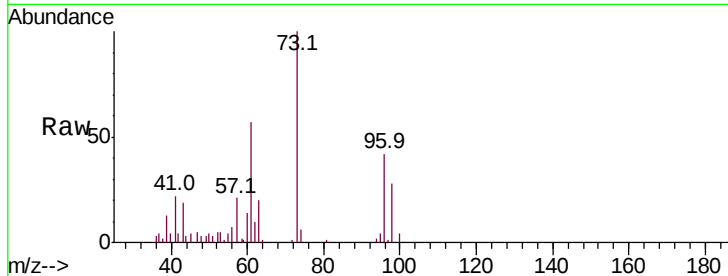


#19

Methyl tert-butyl Ether
 Concen: 19.156 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Instrument :
 MSVOA_D
 ClientSampled :

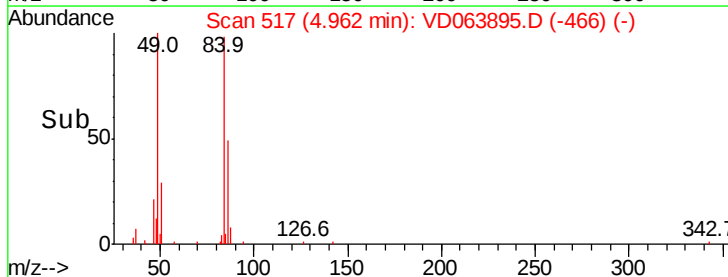
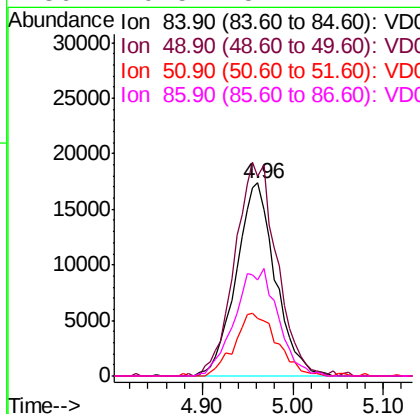
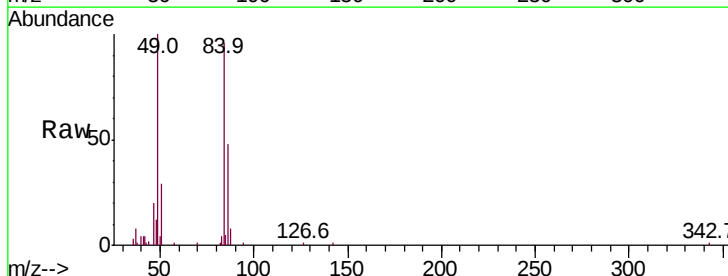
Tot Ion: 73 Resp: 87983
 Ion Ratio Lower Upper
 73 100
 57 20.4 18.1 27.1

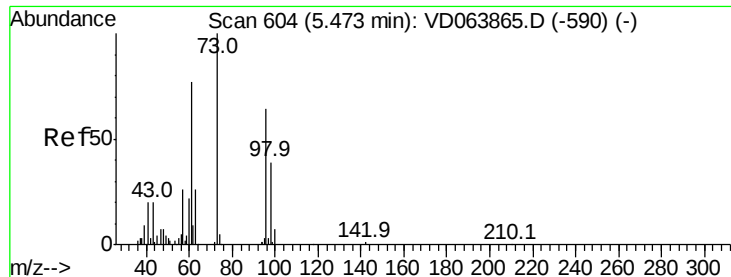


#20

Methylene Chloride
 Concen: 20.153 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Tgt Ion: 84 Resp: 52248
 Ion Ratio Lower Upper
 84 100
 49 103.9 97.3 145.9
 51 29.8 30.1 45.1#
 86 49.5 51.4 77.2#





#21

trans-1,2-Dichloroethene

Concen: 19.660 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

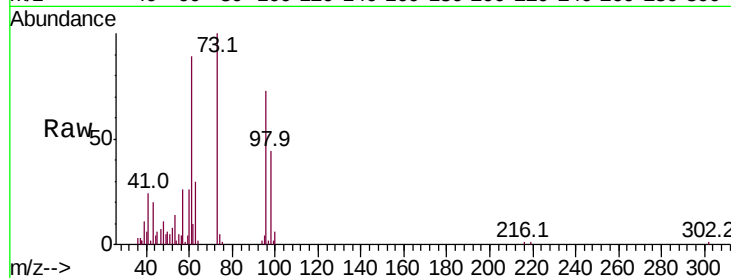
Tot Ion: 96 Resp: 43410

Ion Ratio Lower Upper

96 100

61 122.8 96.6 145.0

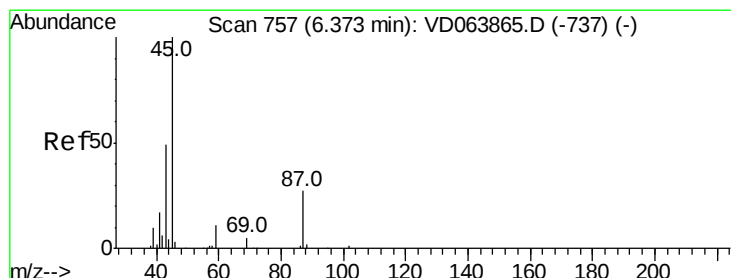
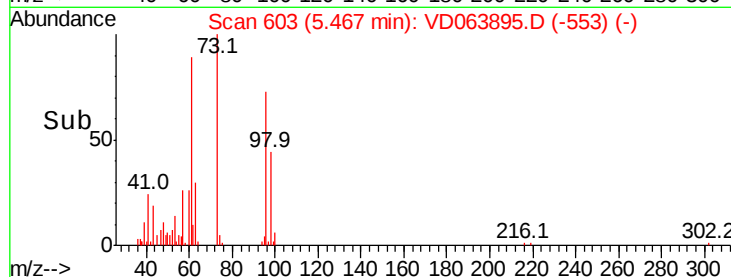
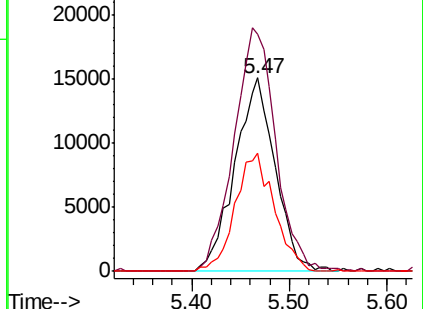
98 60.8 48.7 73.1



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 19.801 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Tgt Ion: 45 Resp: 119252

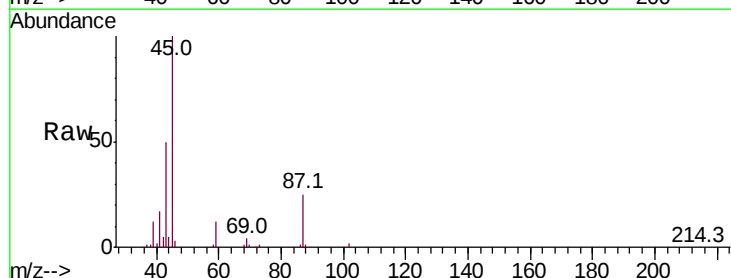
Ion Ratio Lower Upper

45 100

43 49.4 41.2 61.8

87 25.1 22.2 33.4

59 11.7 9.2 13.8

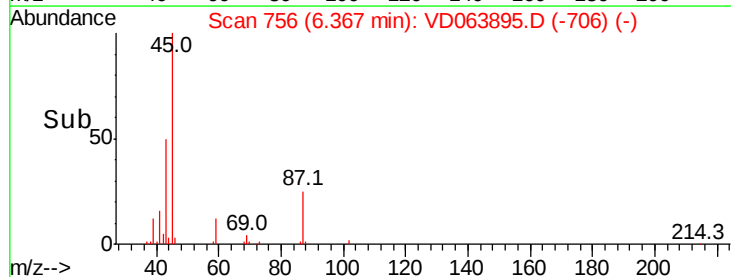
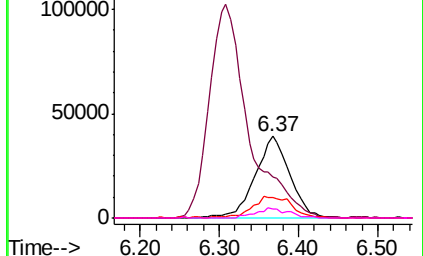


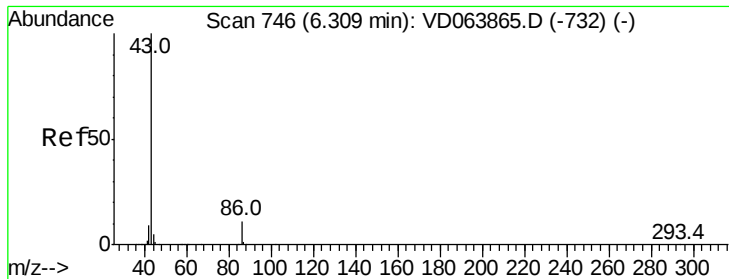
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 98.308 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

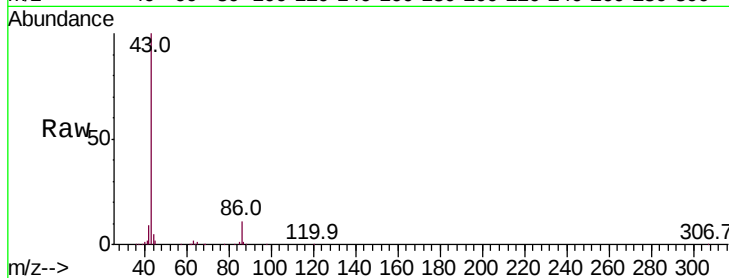
ClientSampled :

Tot Ion: 43 Resp: 352214

Ion Ratio Lower Upper

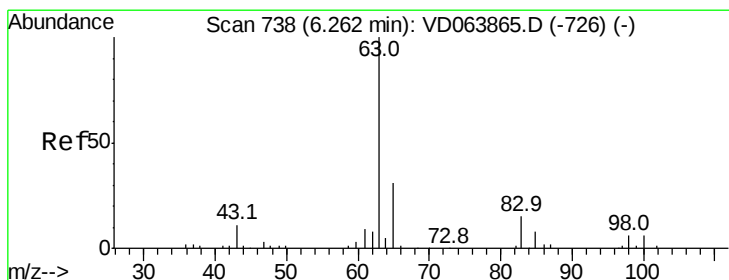
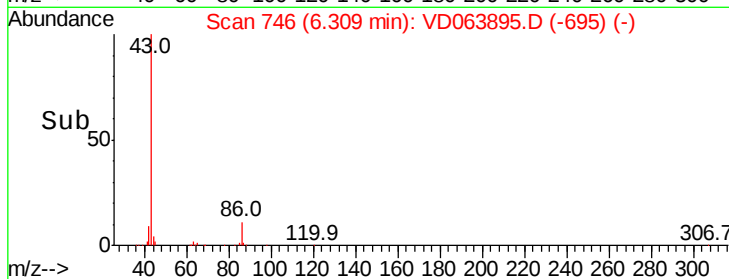
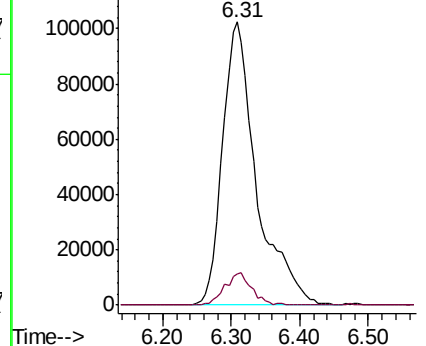
43 100

86 11.2 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.733 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

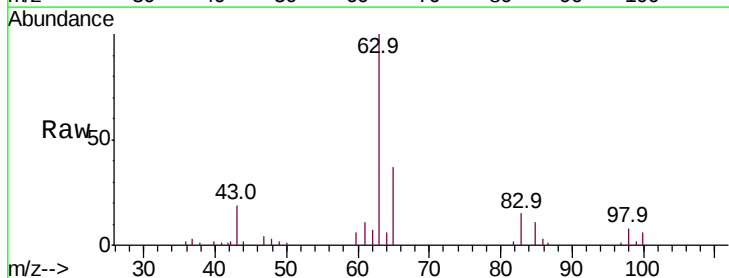
Tgt Ion: 63 Resp: 69494

Ion Ratio Lower Upper

63 100

98 8.1 3.1 9.4

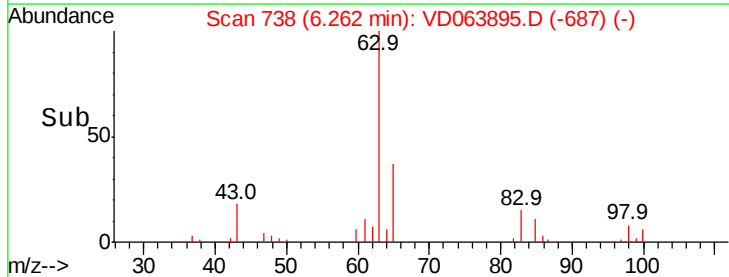
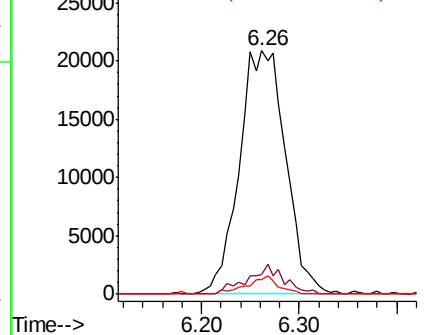
100 5.8 3.0 9.2

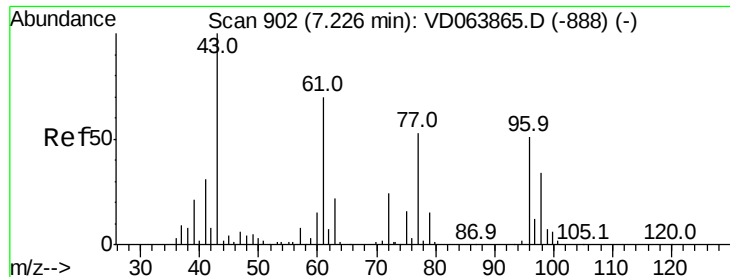


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 94.394 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

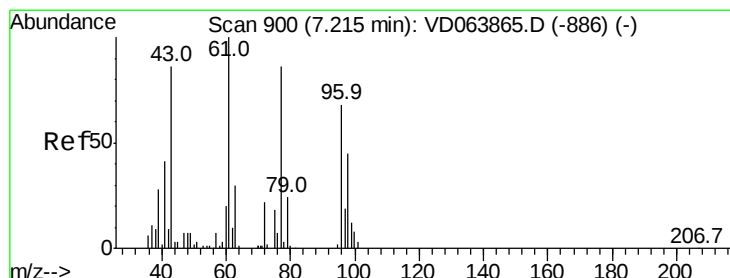
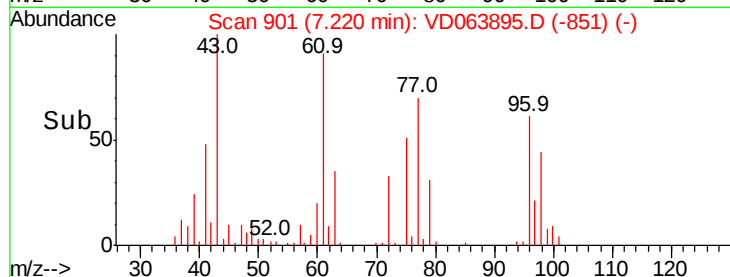
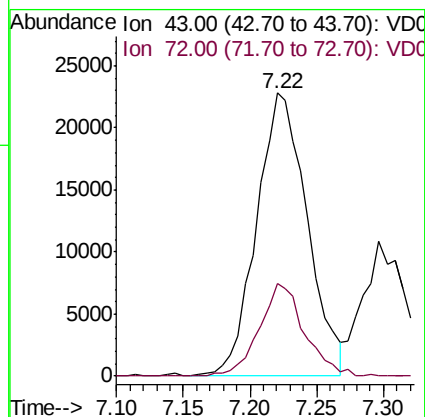
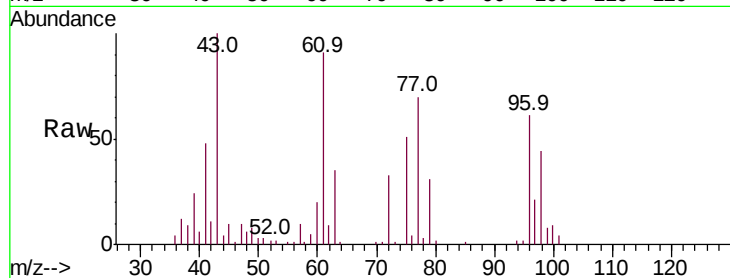
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 60011

Ion Ratio Lower Upper

43 100

72 32.9 19.2 28.8#



#26

2,2-Dichloropropane

Concen: 19.570 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063895.D

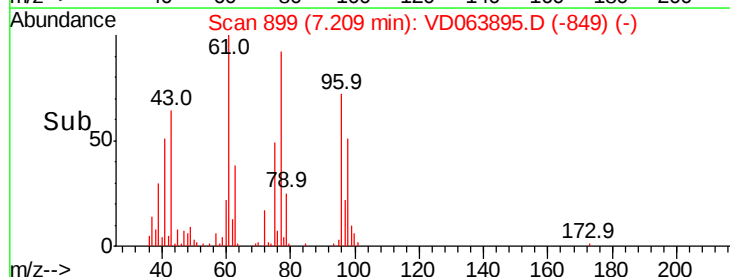
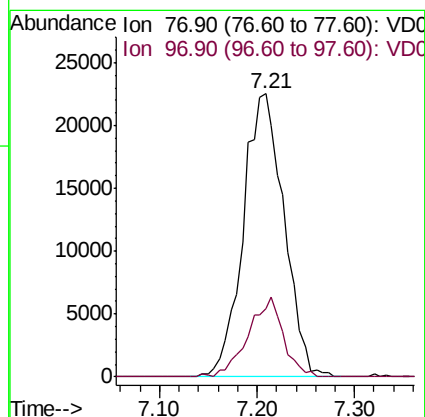
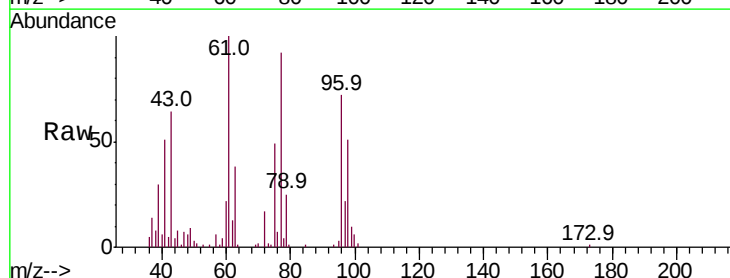
Acq: 07 Oct 2019 12:22

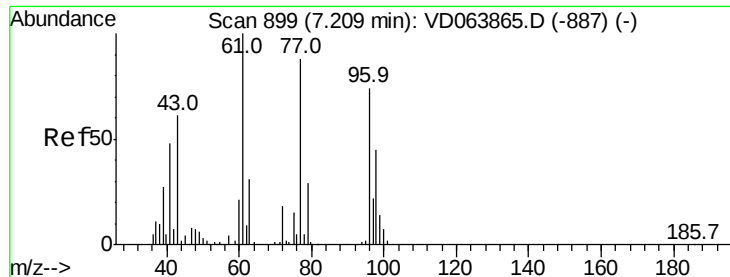
Tgt Ion: 77 Resp: 65671

Ion Ratio Lower Upper

77 100

97 24.2 11.4 34.1



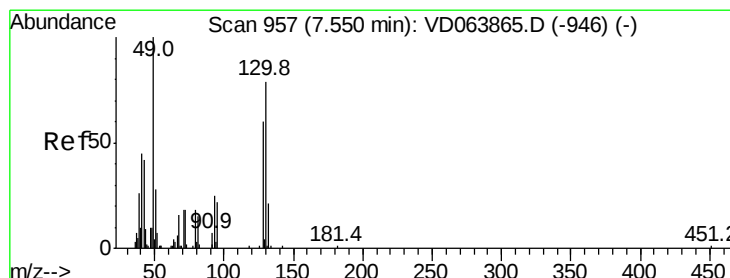
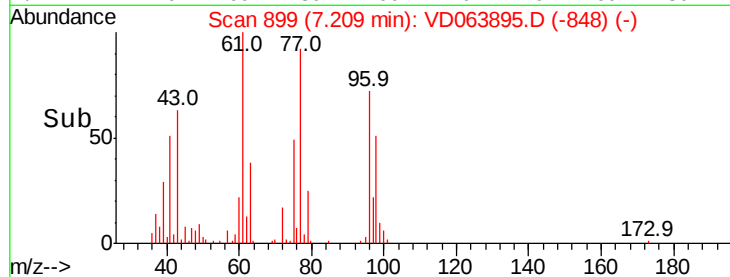
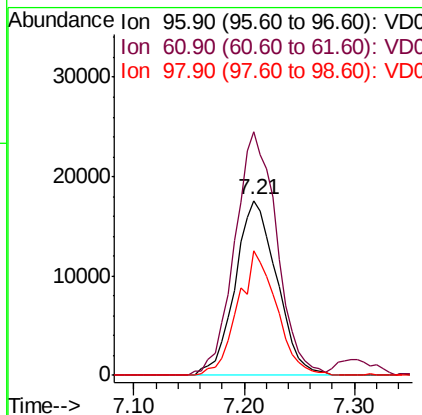
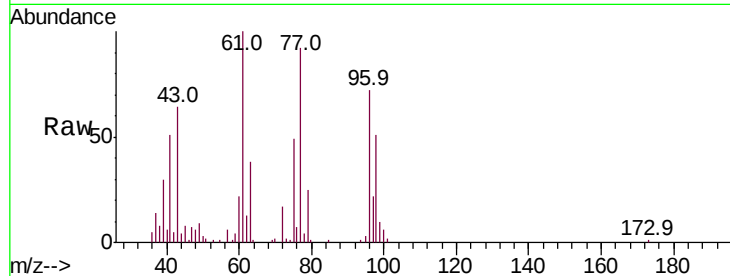


#27

cis-1,2-Dichloroethene
Concen: 18.648 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :

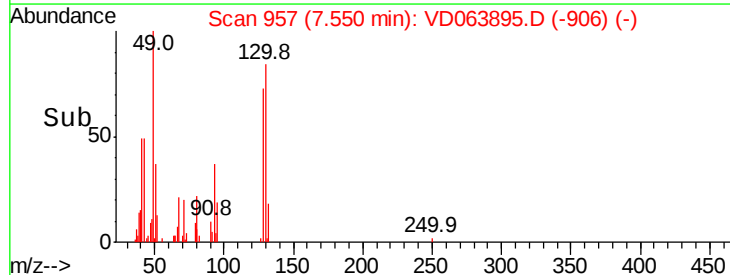
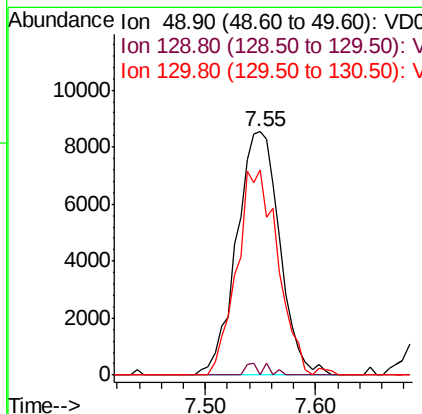
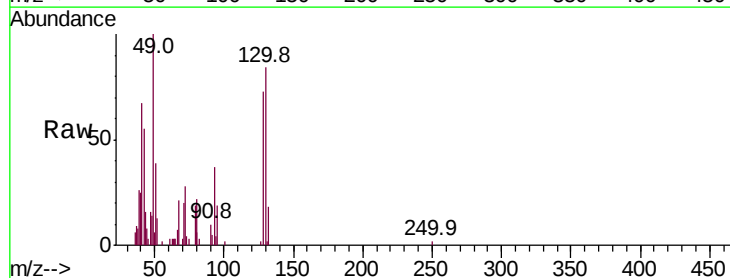
Tot Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	280.0
98	65.9	0.0	130.4

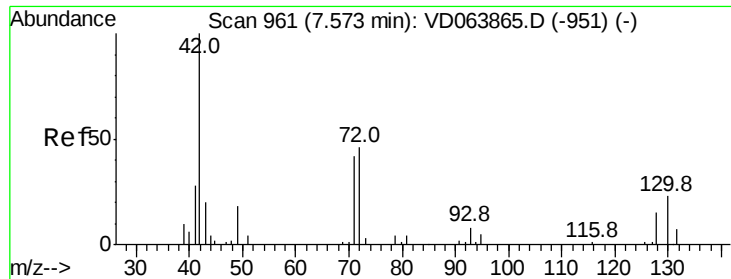


#28

Bromochloromethane
Concen: 17.829 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	5.6
130	79.7	66.8	100.2

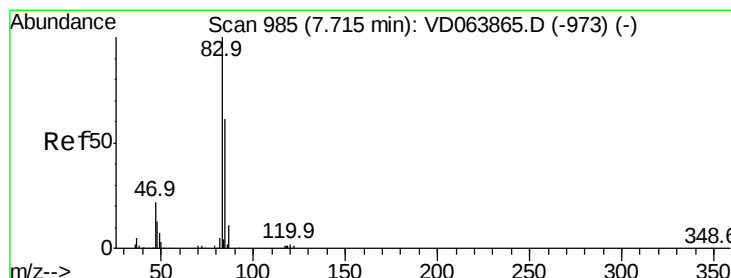
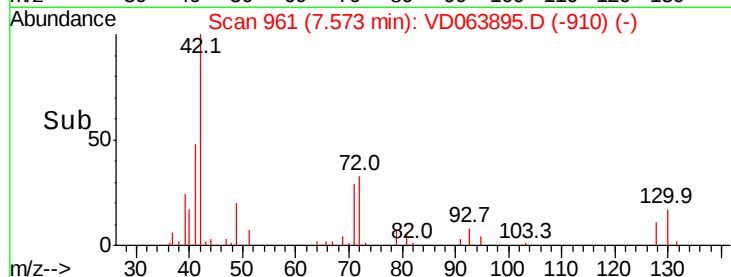
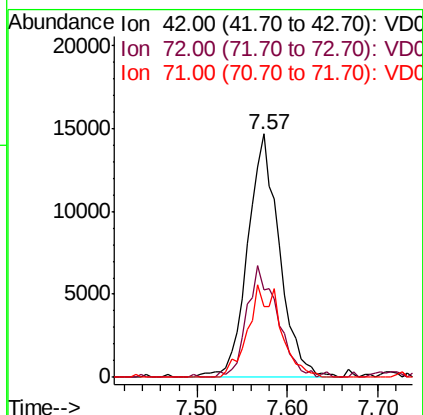
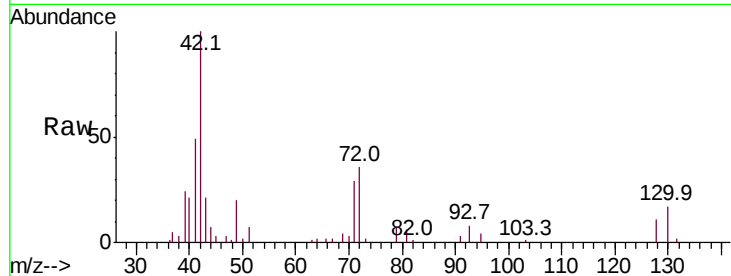




#29
Tetrahydrofuran
Concen: 95.657 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

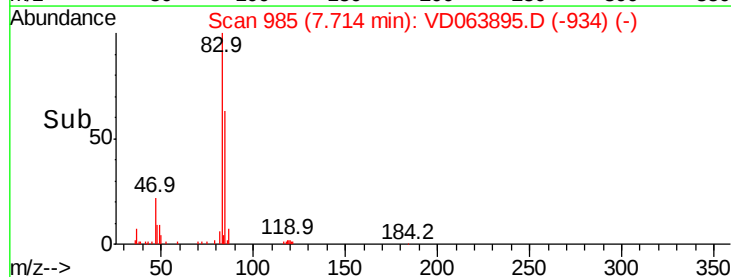
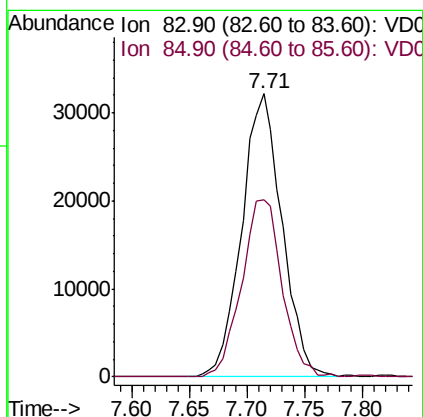
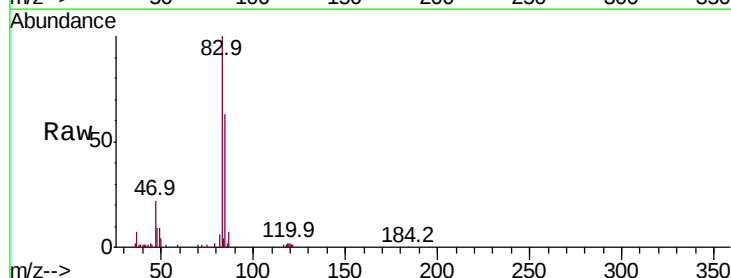
Instrument :
MSVOA_D
ClientSampled :

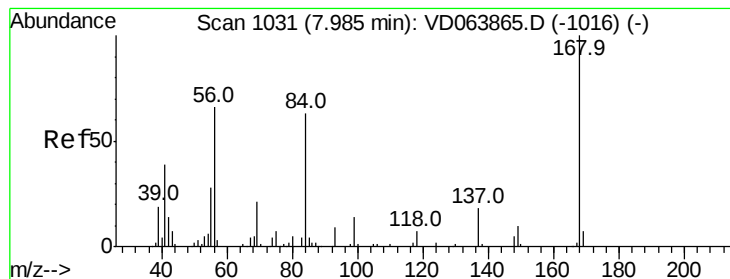
Tot Ion: 42 Resp: 35496
Ion Ratio Lower Upper
42 100
72 44.7 37.6 56.4
71 38.8 35.0 52.6



#30
Chloroform
Concen: 19.328 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion: 83 Resp: 77874
Ion Ratio Lower Upper
83 100
85 62.7 48.9 73.3





#31

Cyclohexane

Concen: 18.854 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

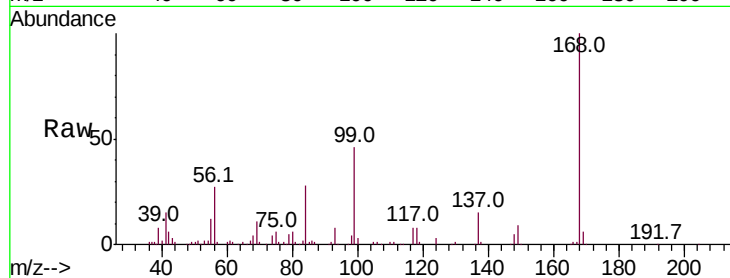
Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

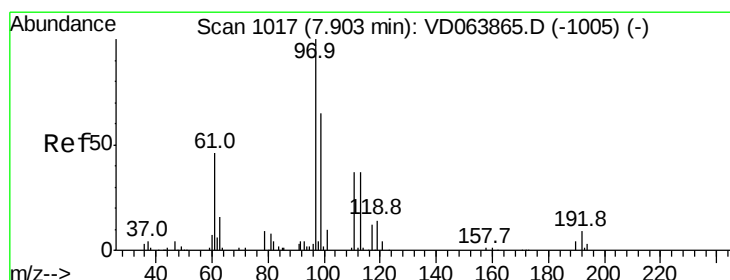
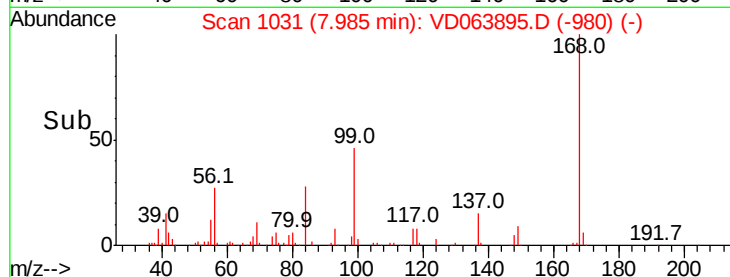
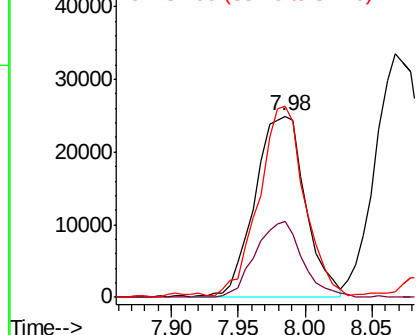
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 65452

Ion	Ratio	Lower	Upper
56	100		
69	41.9	25.0	37.4#
84	103.7	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: 19.088 ug/l

RT: 7.91 min Scan# 1018

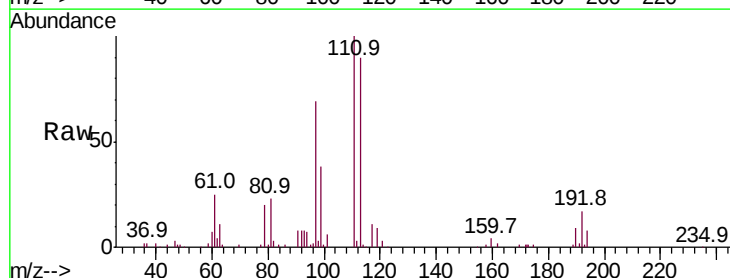
Delta R.T. 0.01 min

Lab File: VD063895.D

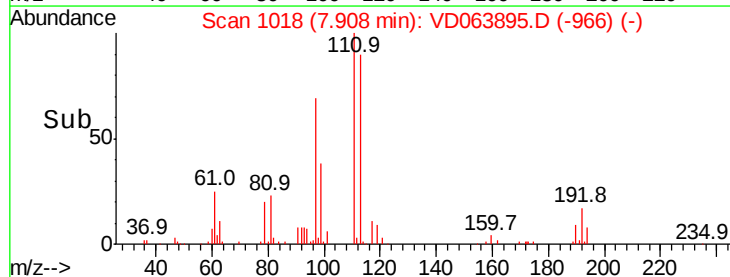
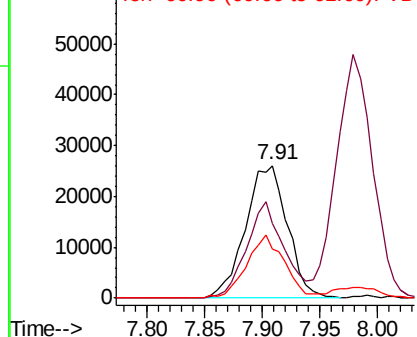
Acq: 07 Oct 2019 12:22

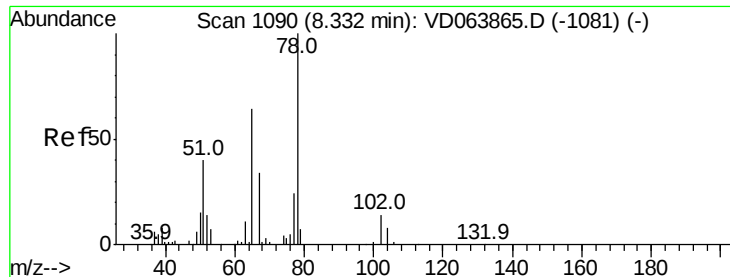
Tgt Ion: 97 Resp: 65972

Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.4	78.6
61	43.2	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: 46.345 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

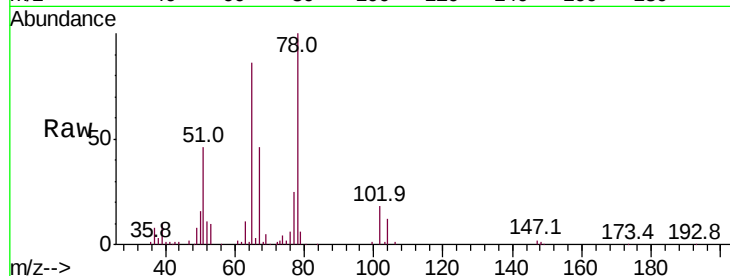
ClientSampleId :

Tot Ion: 65 Resp: 95492

Ion Ratio Lower Upper

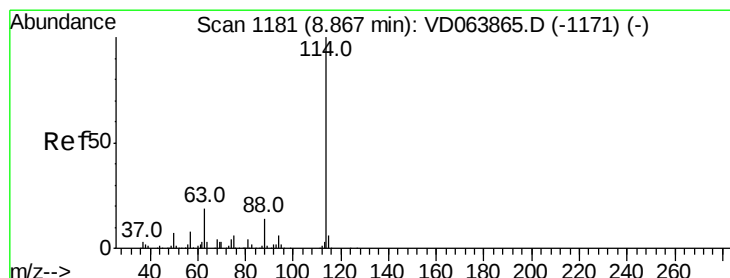
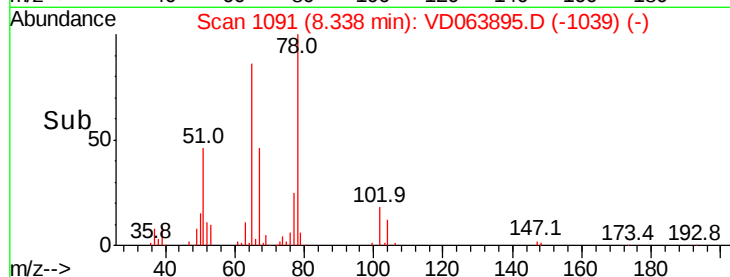
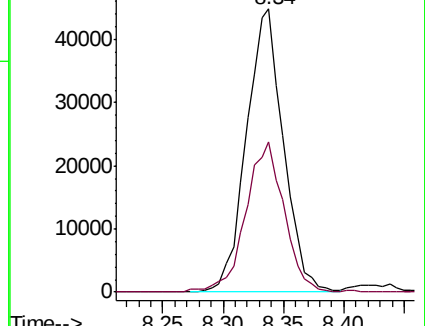
65 100

67 54.8 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

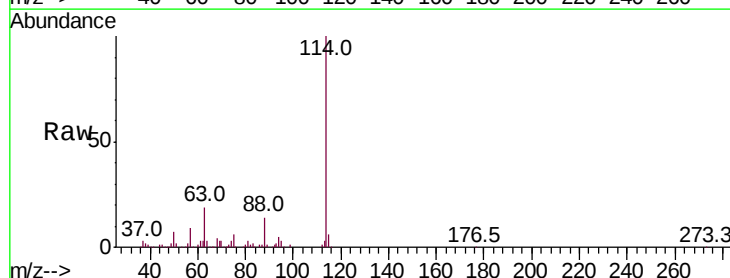
Tgt Ion:114 Resp: 330434

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

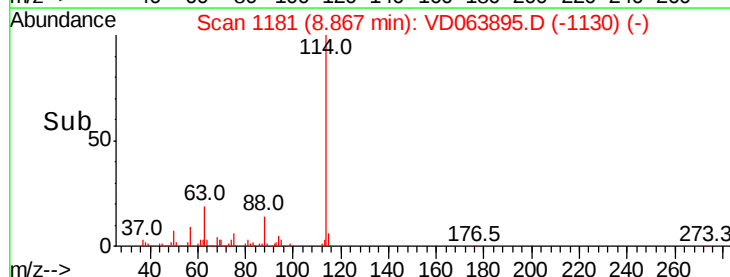
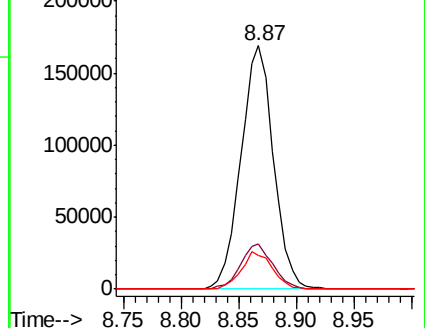
88 13.8 0.0 27.4

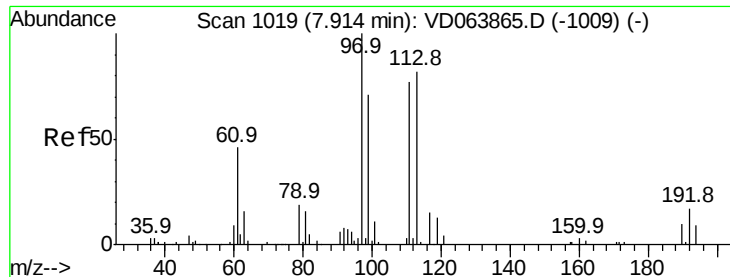


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

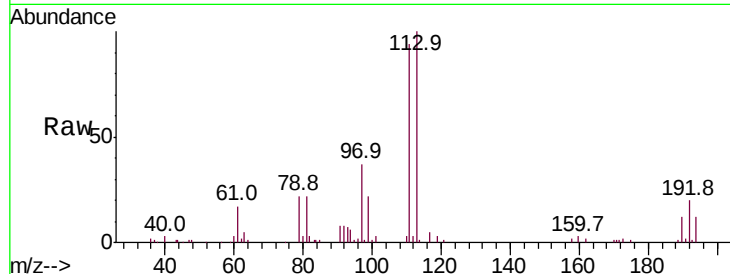




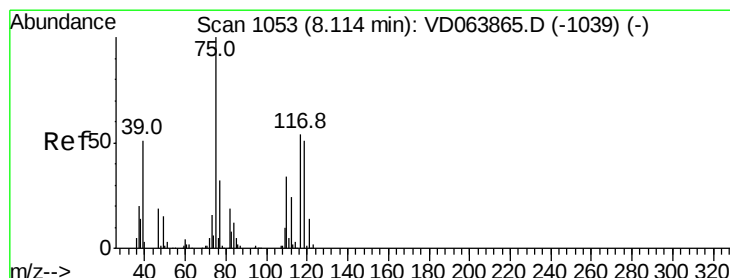
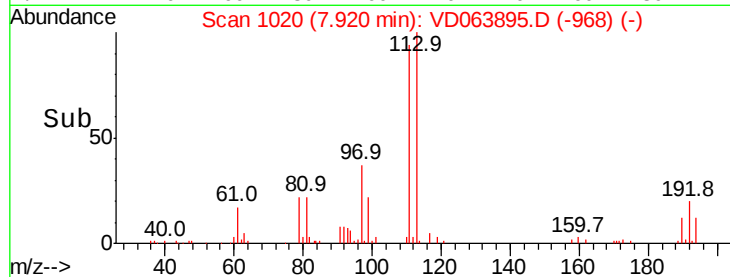
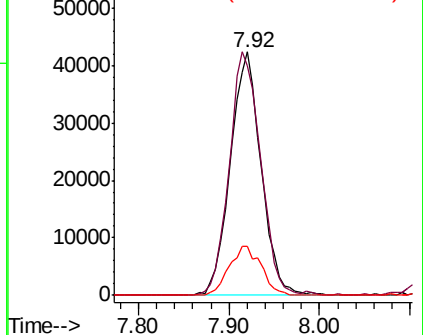
#35
 Dibromofluoromethane
 Concen: 49.448 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 99854
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.6 123.8
 192 20.9 17.1 25.7

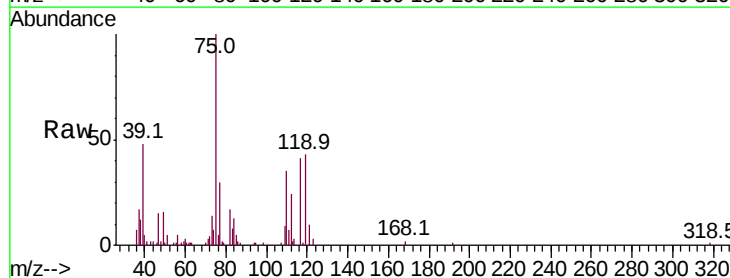


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

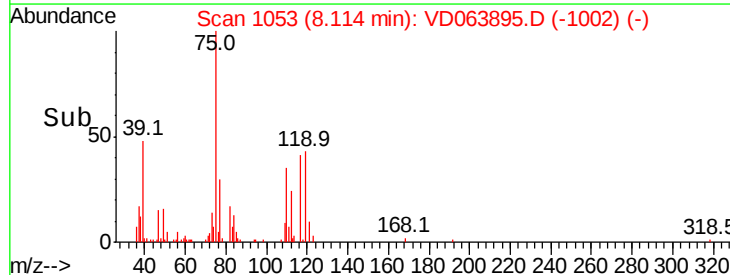
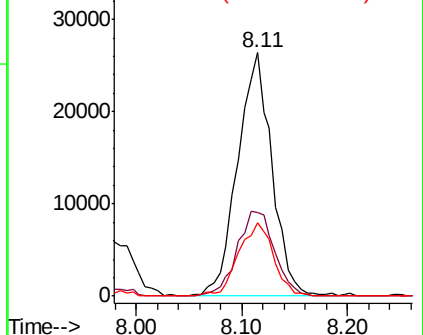


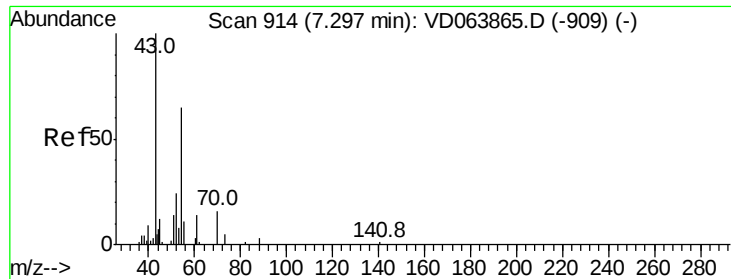
#36
 1,1-Dichloropropene
 Concen: 19.675 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Tgt Ion: 75 Resp: 59443
 Ion Ratio Lower Upper
 75 100
 110 38.2 17.4 52.3
 77 30.8 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

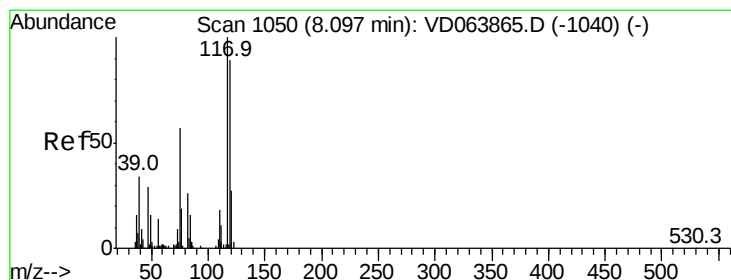
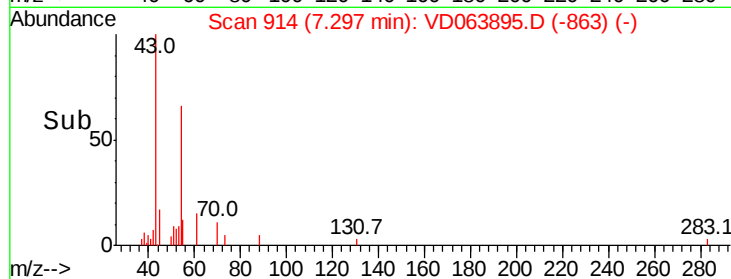
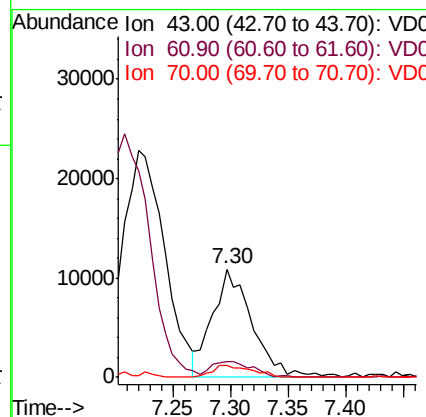
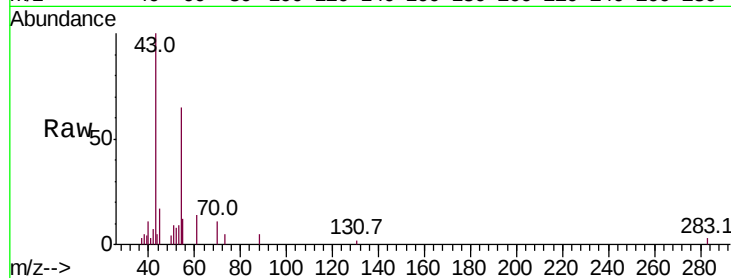




#37
Ethyl Acetate
Concen: 19.059 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

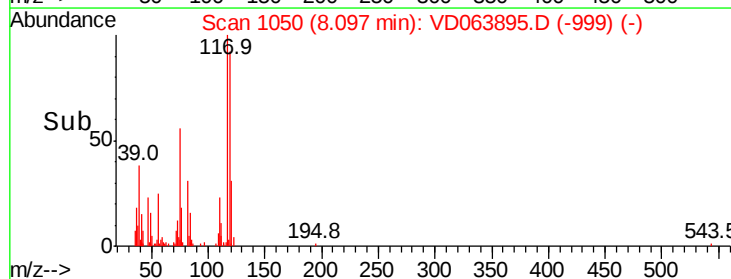
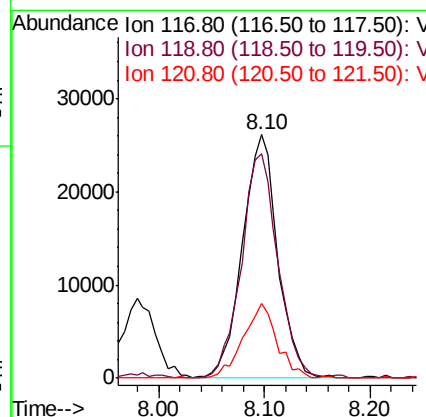
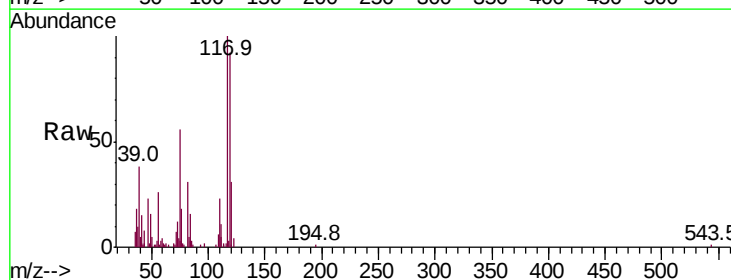
Instrument :
MSVOA_D
ClientSampleId :

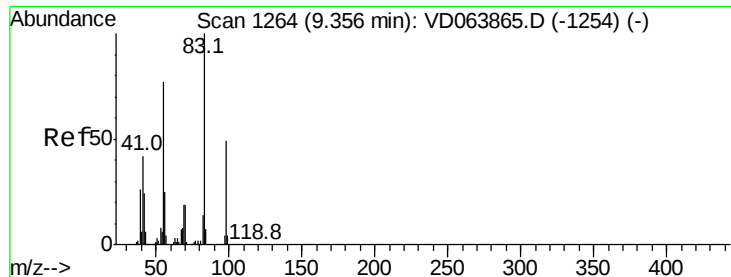
Tot Ion: 43 Resp: 26079
Ion Ratio Lower Upper
43 100
61 14.7 11.5 17.3
70 10.8 8.2 12.4



#38
Carbon Tetrachloride
Concen: 19.842 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion: 117 Resp: 60580
Ion Ratio Lower Upper
117 100
119 92.4 70.8 106.2
121 30.6 21.4 32.0

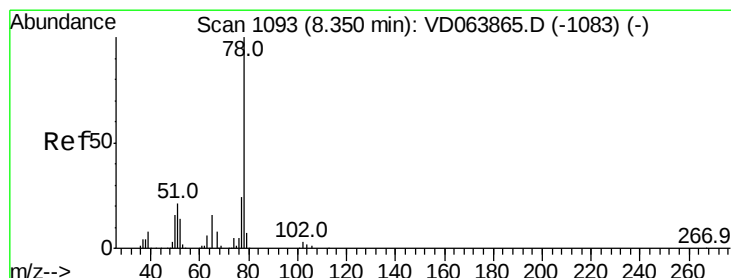
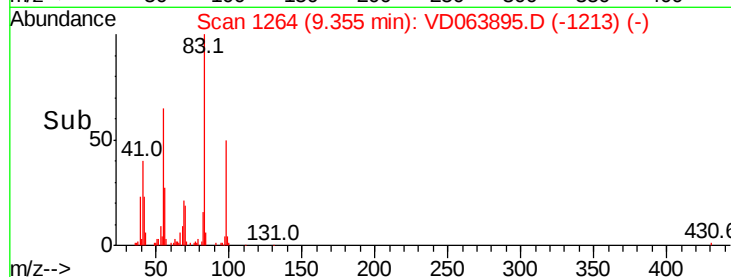
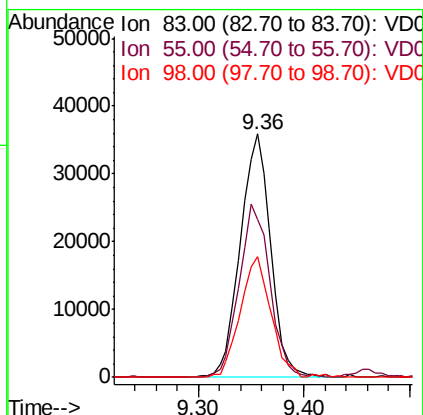
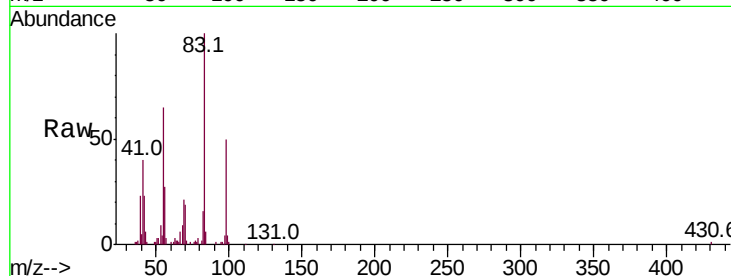




#39
Methylvlcvclohexane
Concen: 19.351 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

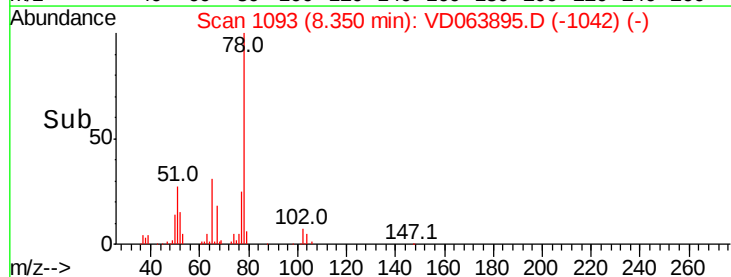
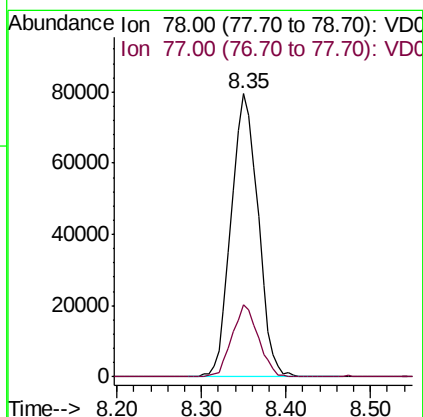
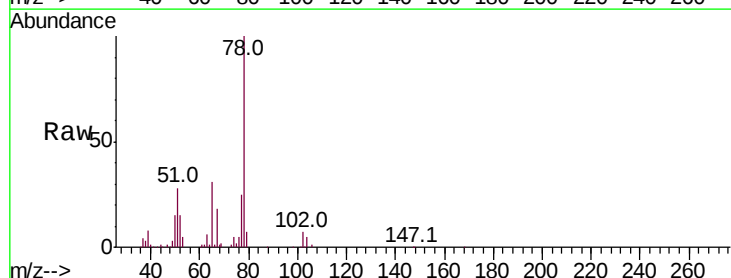
Instrument :
MSVOA_D
ClientSampleId :

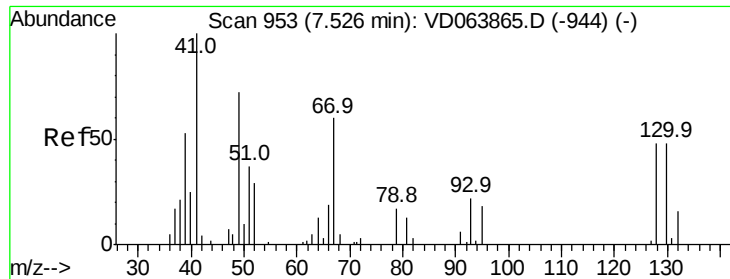
Tot Ion: 83 Resp: 71886
Ion Ratio Lower Upper
83 100
55 65.0 61.3 91.9
98 49.8 39.3 58.9



#40
Benzene
Concen: 20.213 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion: 78 Resp: 175001
Ion Ratio Lower Upper
78 100
77 25.3 19.0 28.6





#41

Methacrylonitrile

Concen: 16.716 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.00 min

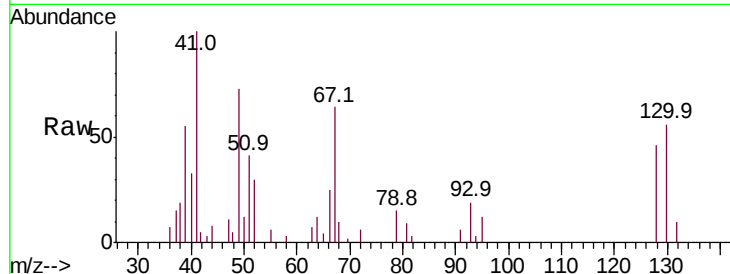
Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

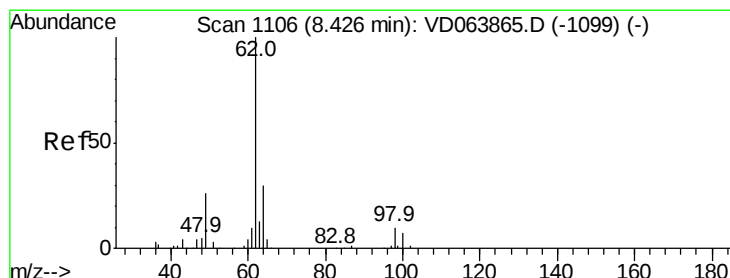
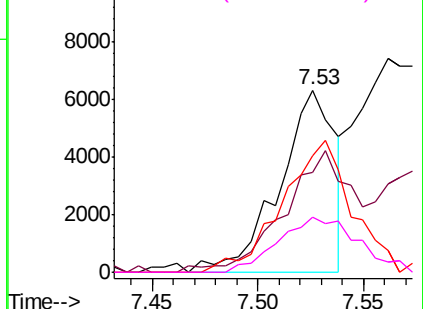
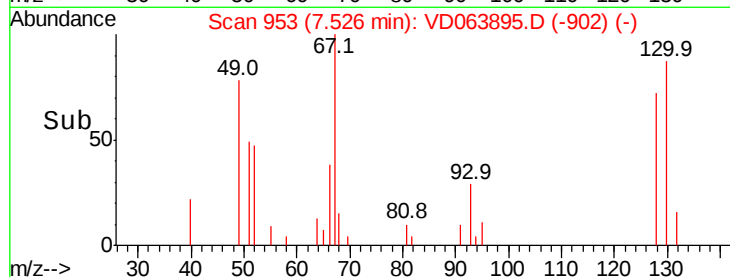
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 11709

Ion	Ratio	Lower	Upper
41	100		
39	81.0	52.6	78.8#
67	89.8	74.2	111.2
52	42.8	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: 18.603 ug/l

RT: 8.43 min Scan# 1106

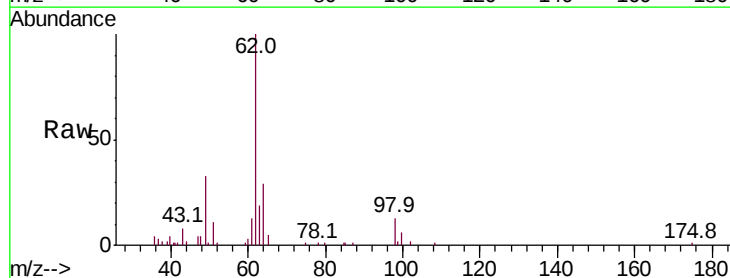
Delta R.T. -0.00 min

Lab File: VD063895.D

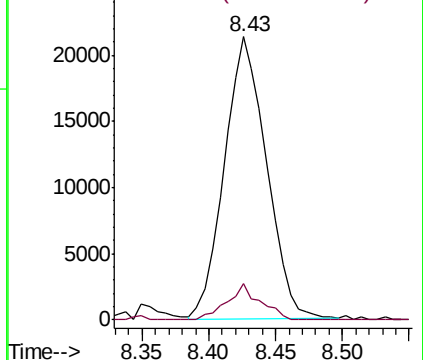
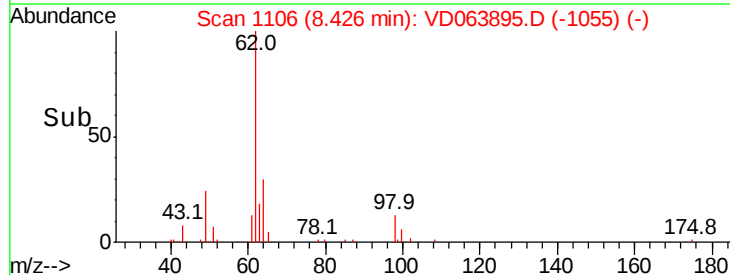
Acq: 07 Oct 2019 12:22

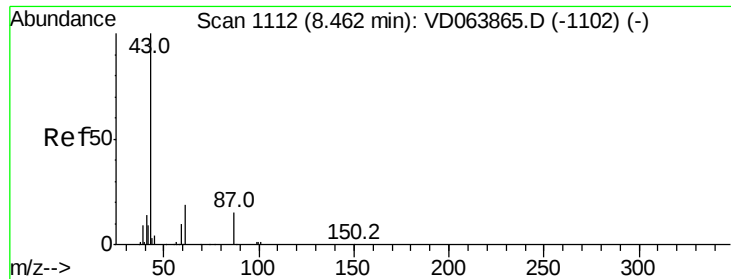
Tgt Ion: 62 Resp: 46591

Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC

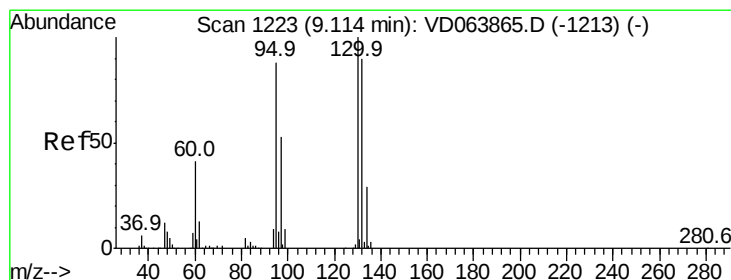
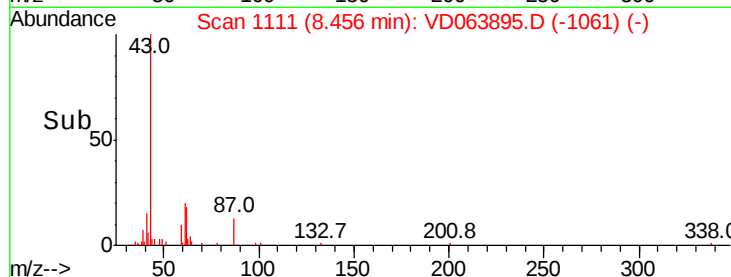
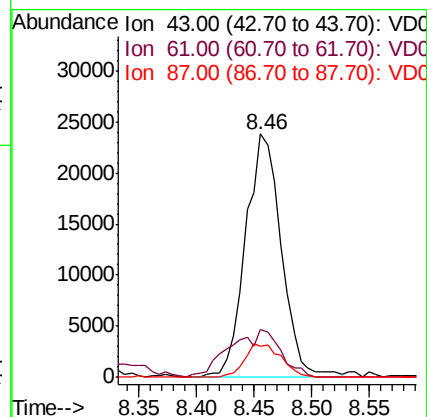
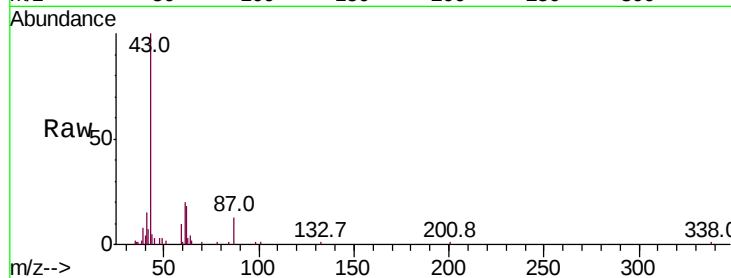




#43
Isopropyl Acetate
Concen: 20.301 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

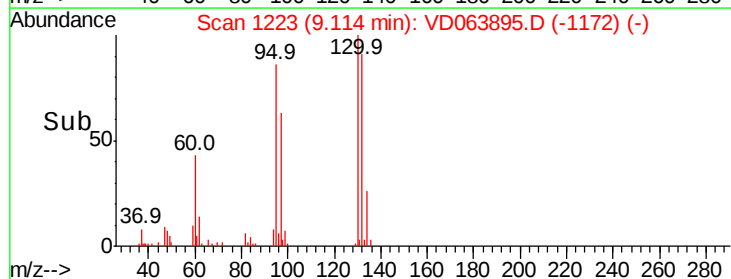
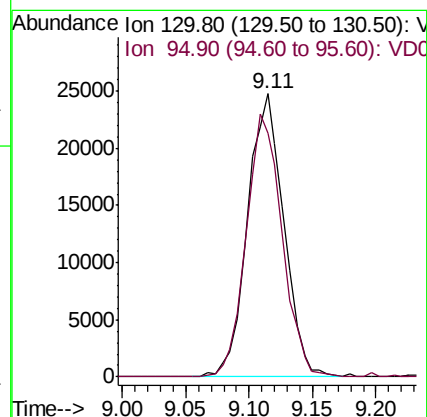
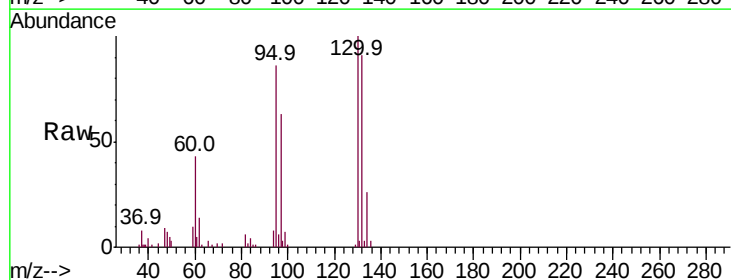
Instrument :
MSVOA_D
ClientSampleId :

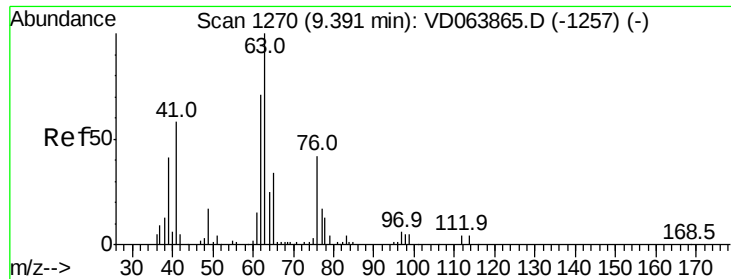
Tot Ion: 43 Resp: 51438
Ion Ratio Lower Upper
43 100
61 27.8 25.7 38.5
87 14.0 11.6 17.4



#44
Trichloroethene
Concen: 19.698 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion:130 Resp: 49179
Ion Ratio Lower Upper
130 100
95 86.2 0.0 175.6





#45

1,2-Dichloropropane

Concen: 19.829 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

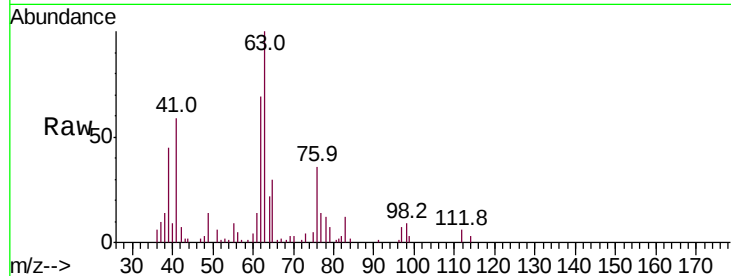
ClientSampled :

Tot Ion: 63 Resp: 42021

Ion Ratio Lower Upper

63 100

65 29.9 27.3 40.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

20000

15000

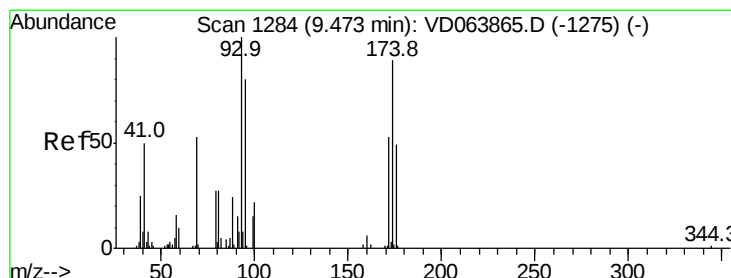
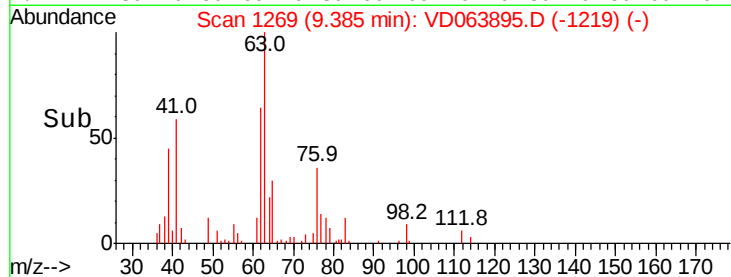
10000

5000

0

9.30 9.40

Time-->



#46

Dibromomethane

Concen: 19.873 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

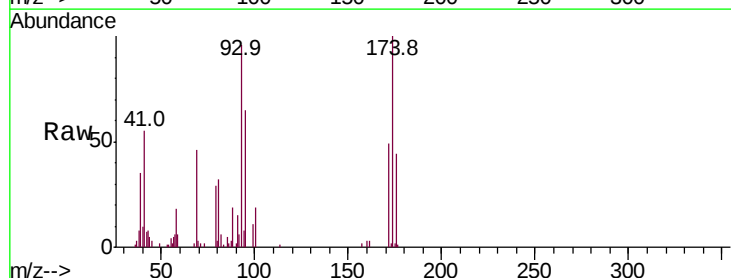
Tgt Ion: 93 Resp: 23984

Ion Ratio Lower Upper

93 100

95 80.2 66.0 99.0

174 105.9 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

15000

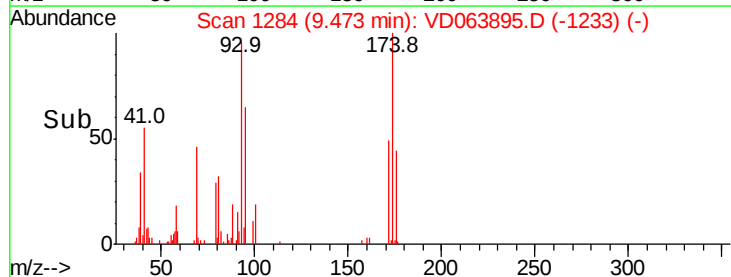
10000

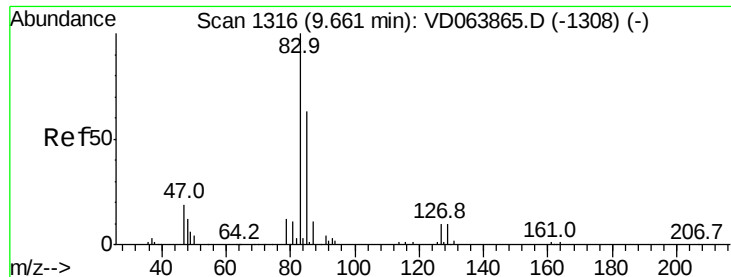
5000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 19.350 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

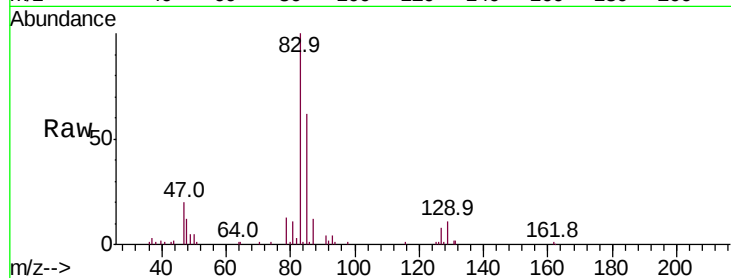
Tot Ion: 83 Resp: 60127

Ion Ratio Lower Upper

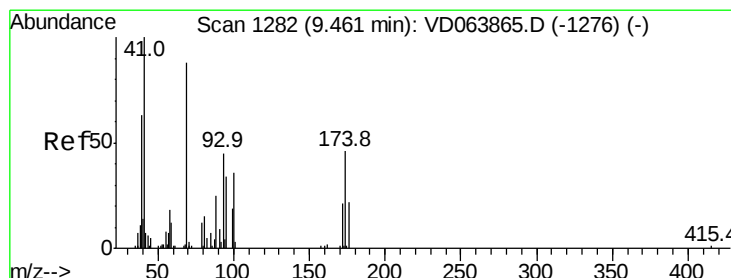
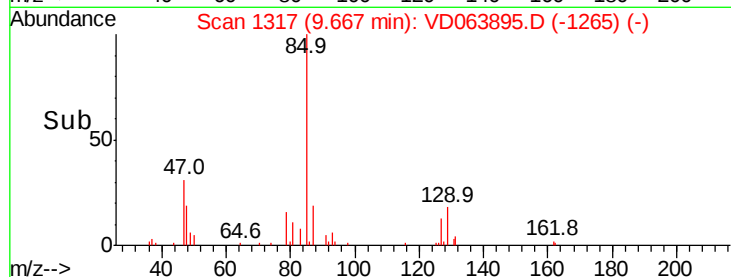
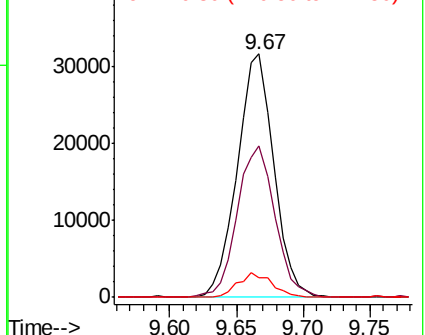
83 100

85 62.0 50.2 75.2

127 8.1 7.6 11.4



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



#48

Methyl methacrylate

Concen: 18.593 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

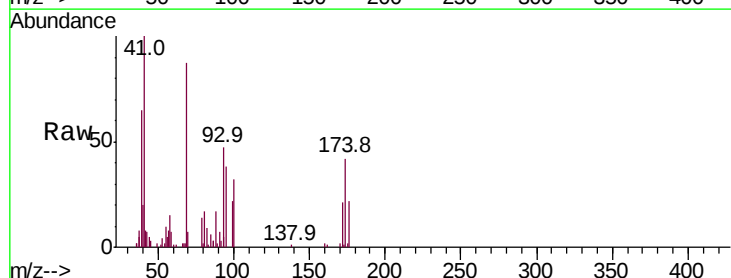
Tgt Ion: 41 Resp: 22572

Ion Ratio Lower Upper

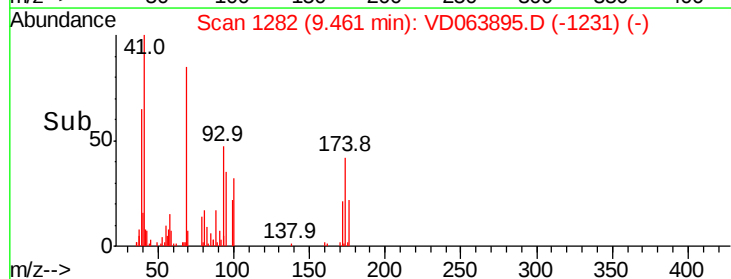
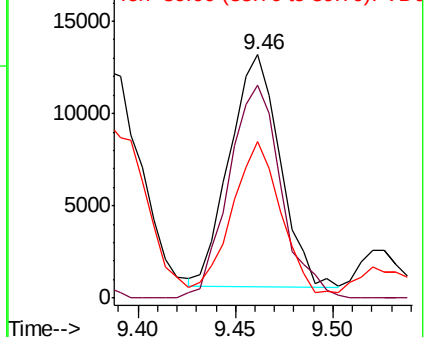
41 100

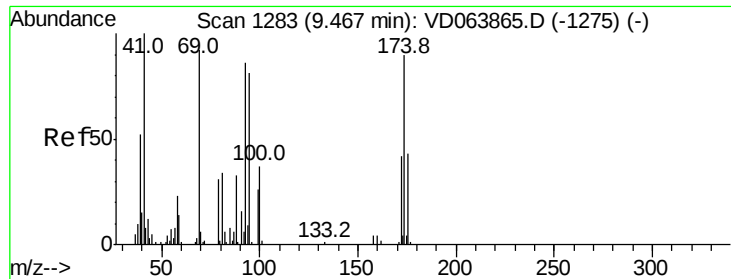
69 95.2 75.1 112.7

39 67.8 50.2 75.2



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

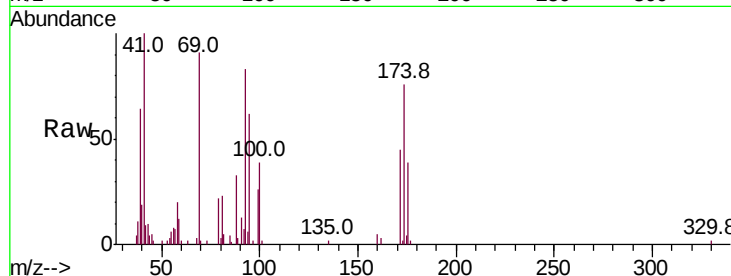




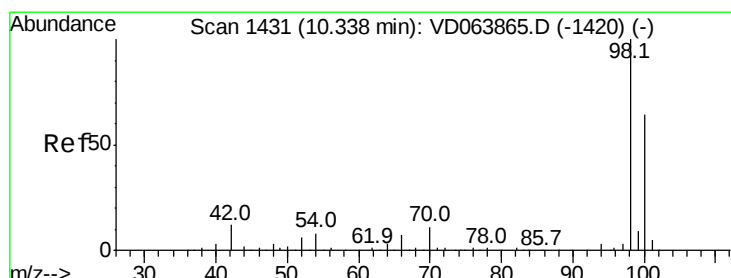
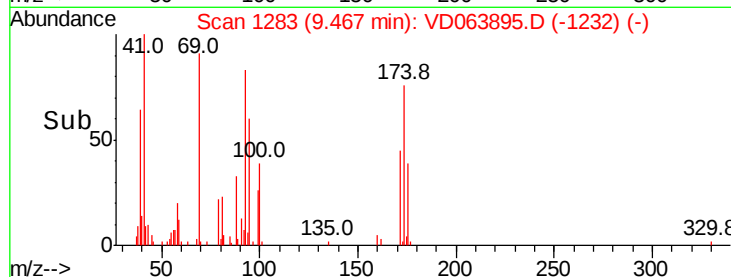
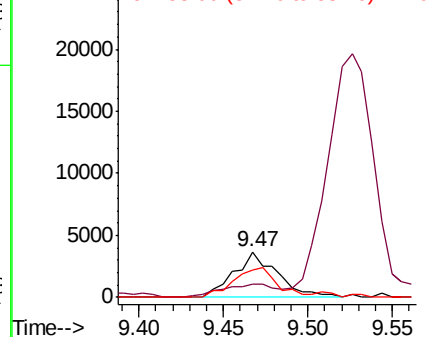
#49
1,4-Dioxane
Concen: 395.046 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 6508
Ion Ratio Lower Upper
88 100
43 37.7 27.6 41.4
58 65.9 54.1 81.1

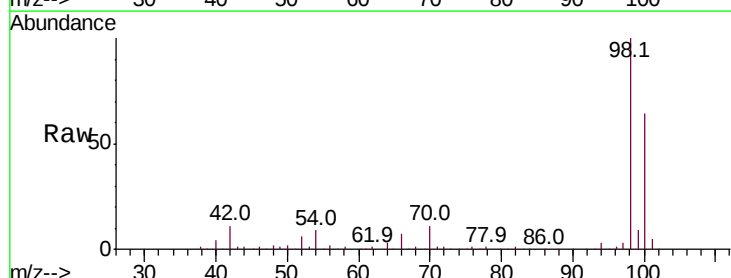


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

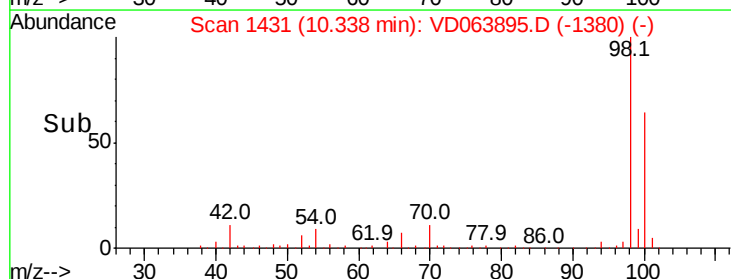
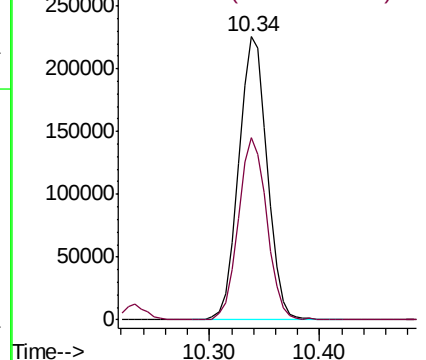


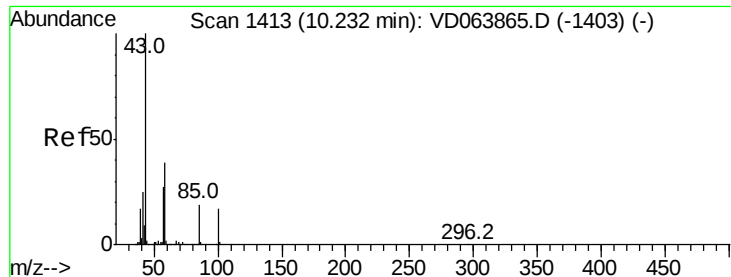
#50
Toluene-d8
Concen: 49.795 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion: 98 Resp: 408134
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



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

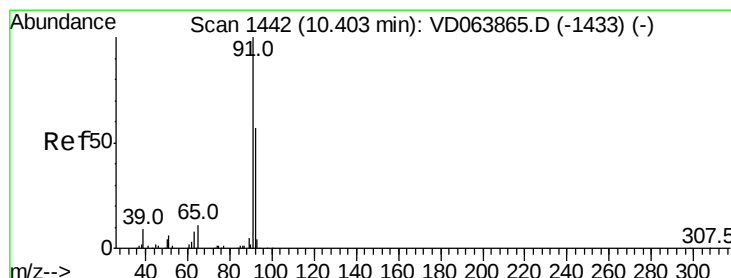
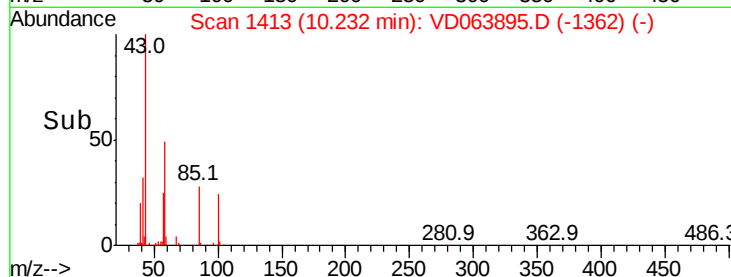
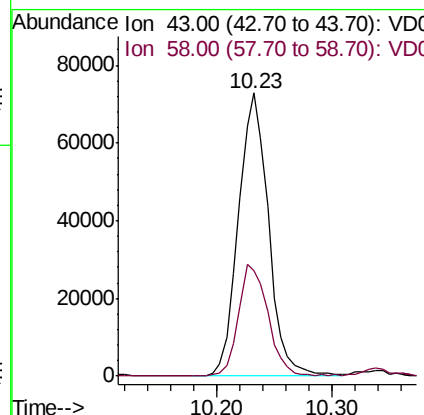
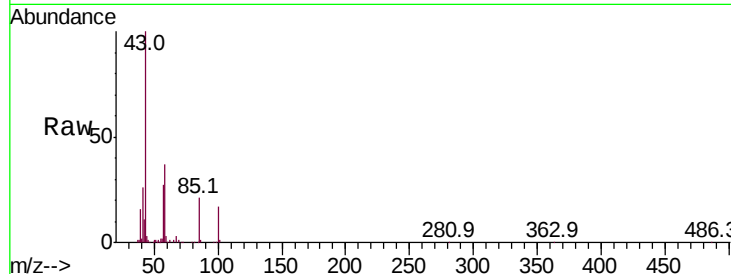




#51
4-Methyl-2-Pentanone
Concen: 100.424 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

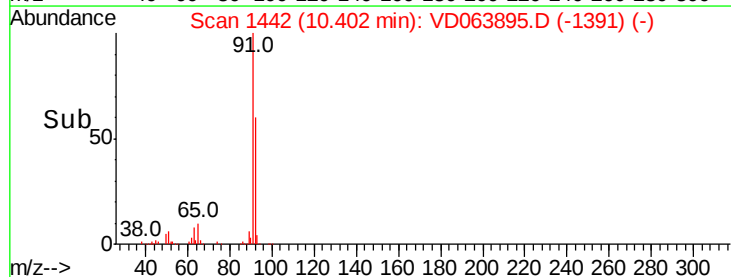
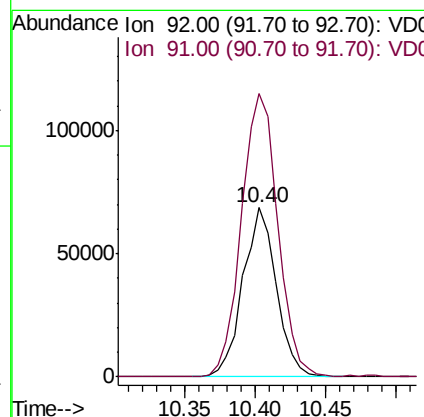
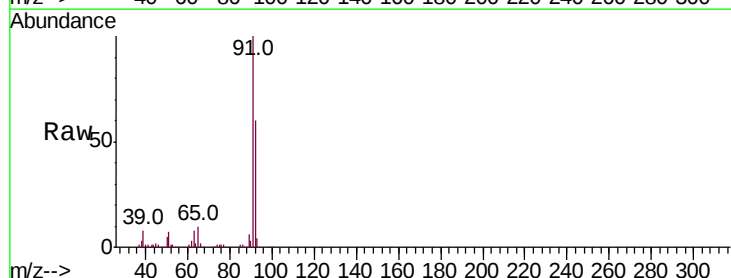
Instrument :
MSVOA_D
ClientSampled :

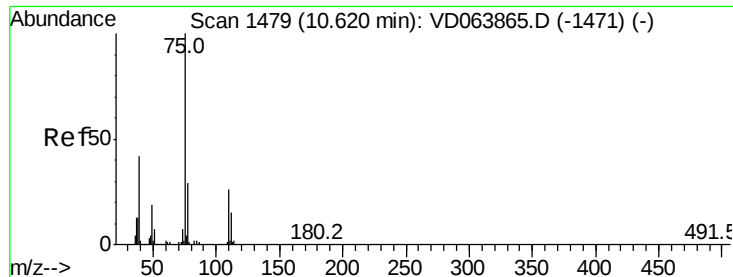
Tot Ion: 43 Resp: 131961
Ion Ratio Lower Upper
43 100
58 38.5 33.0 49.4



#52
Toluene
Concen: 19.259 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion: 92 Resp: 114464
Ion Ratio Lower Upper
92 100
91 180.6 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 18.735 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

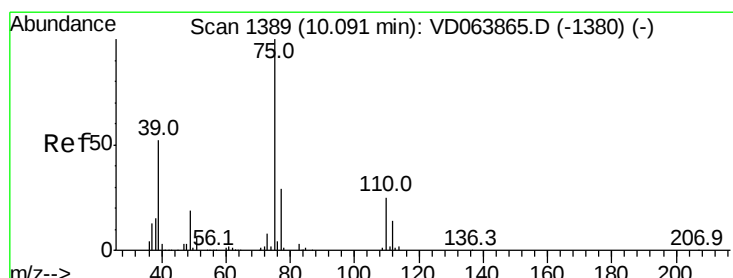
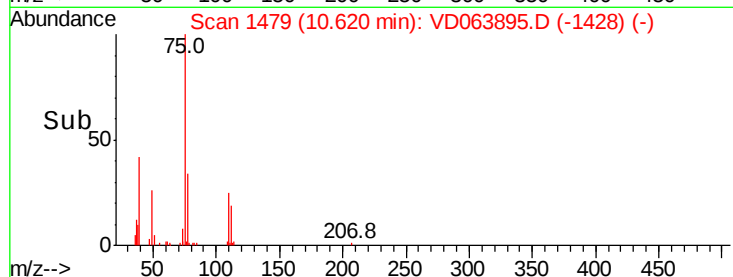
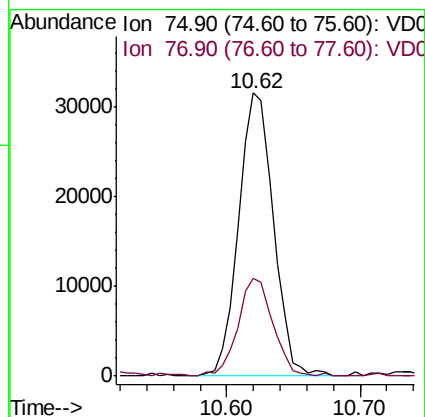
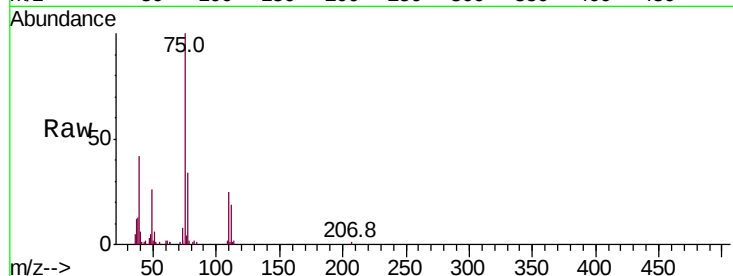
ClientSampleId :

Tot Ion: 75 Resp: 56806

Ion Ratio Lower Upper

75 100

77 34.4 22.8 34.2#



#54

cis-1,3-Dichloropropene

Concen: 19.306 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

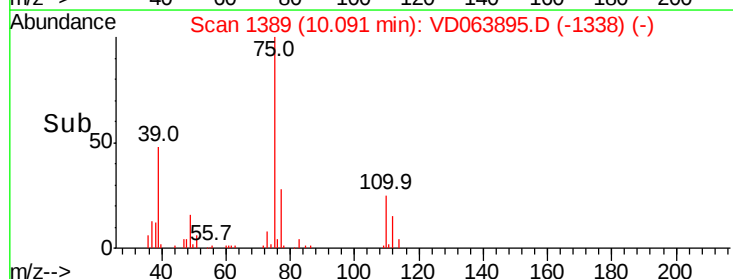
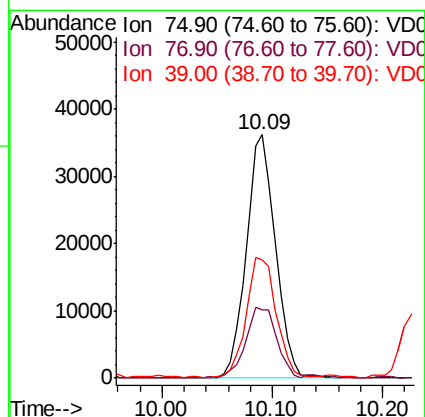
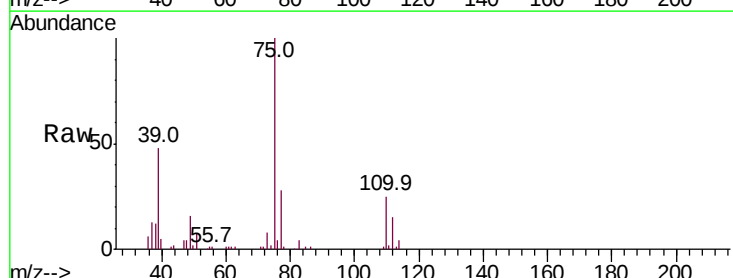
Tgt Ion: 75 Resp: 67384

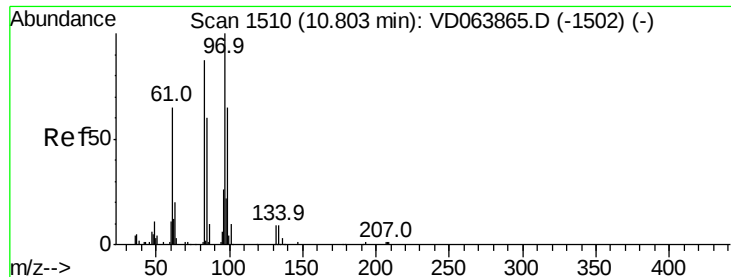
Ion Ratio Lower Upper

75 100

77 27.8 23.2 34.8

39 47.9 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 20.588 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 35083

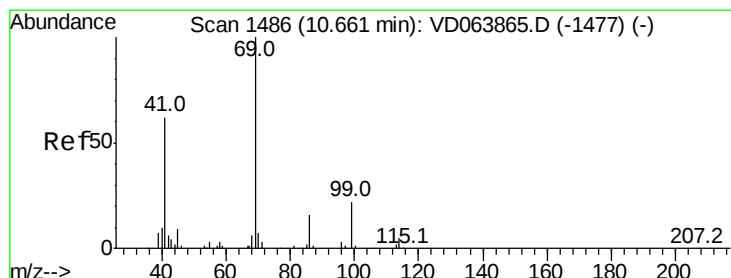
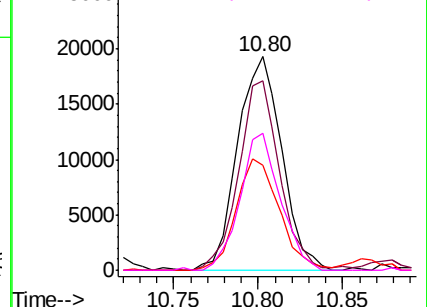
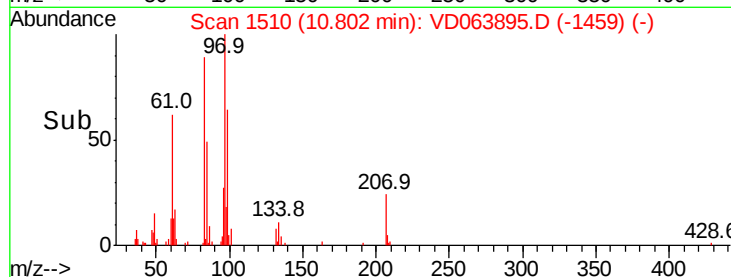
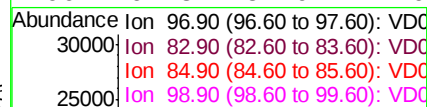
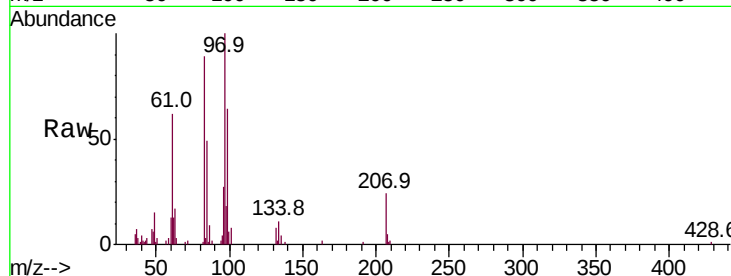
Ion	Ratio	Lower	Upper
97	100		
83	88.6	69.7	104.5
85	48.9	48.1	72.1
99	64.3	51.9	77.9

97 100

83 88.6 69.7 104.5

85 48.9 48.1 72.1

99 64.3 51.9 77.9



#56

Ethyl methacrylate

Concen: 18.991 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

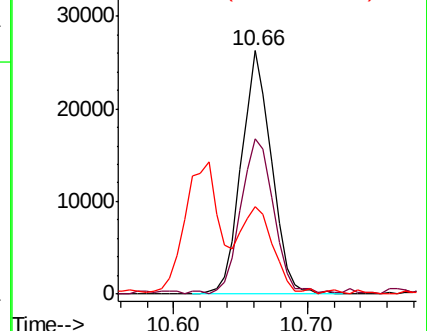
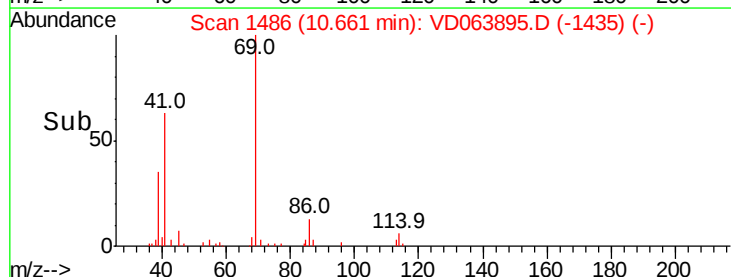
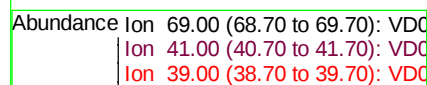
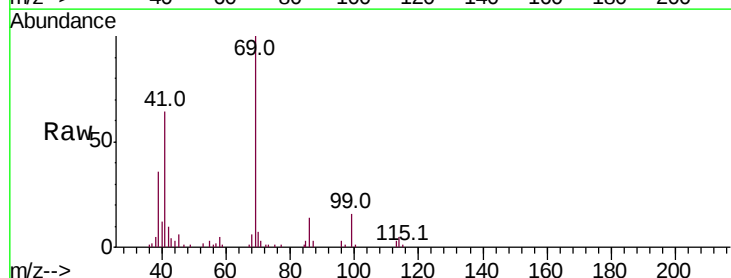
Tgt Ion: 69 Resp: 40982

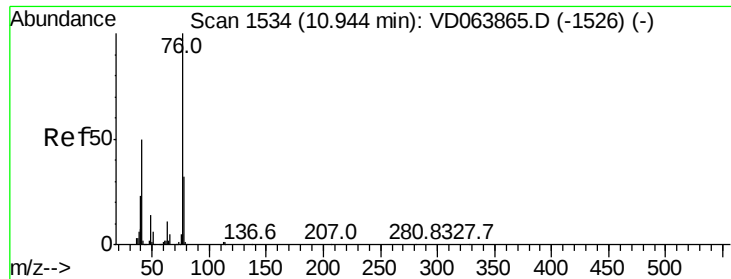
Ion	Ratio	Lower	Upper
69	100		
41	70.5	51.3	76.9
39	38.4	28.0	42.0

69 100

41 70.5 51.3 76.9

39 38.4 28.0 42.0

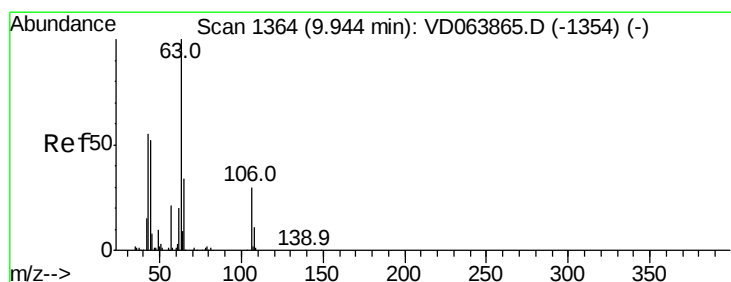
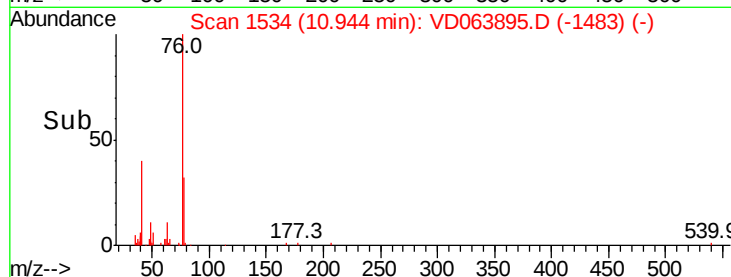
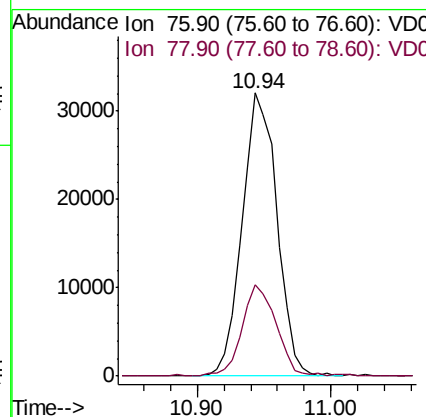
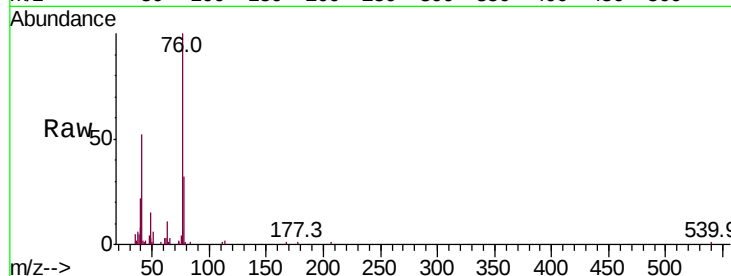




#57
 1,3-Dichloropropane
 Concen: 19.743 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

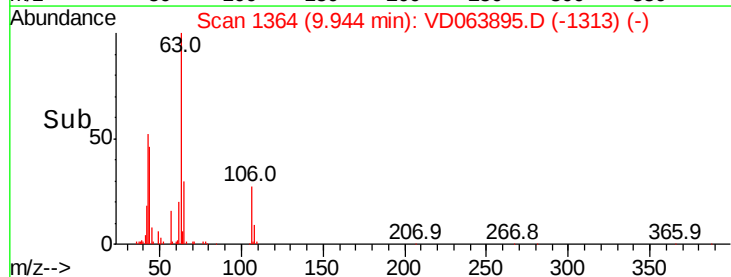
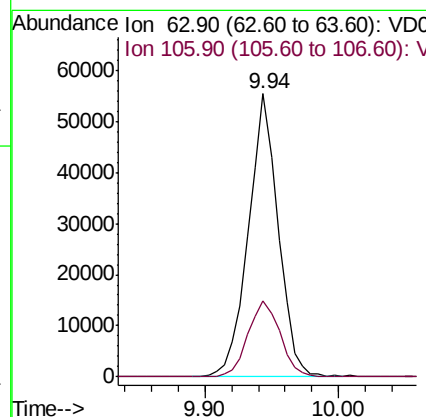
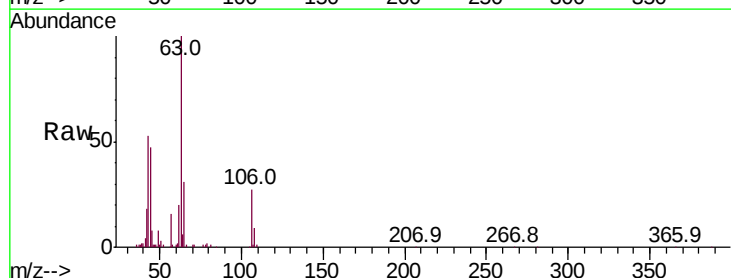
Instrument :
 MSVOA_D
 ClientSampleId :

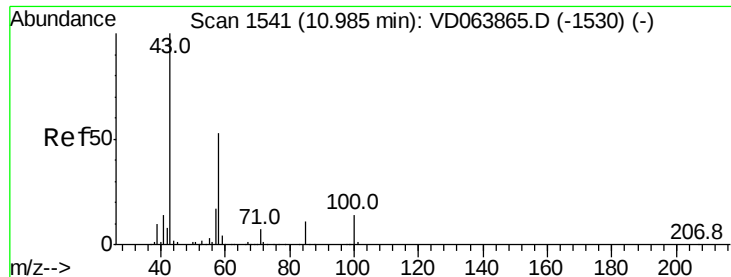
Tot Ion: 76 Resp: 57562
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.618 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Tgt Ion: 63 Resp: 84983
 Ion Ratio Lower Upper
 63 100
 106 29.1 24.3 36.5

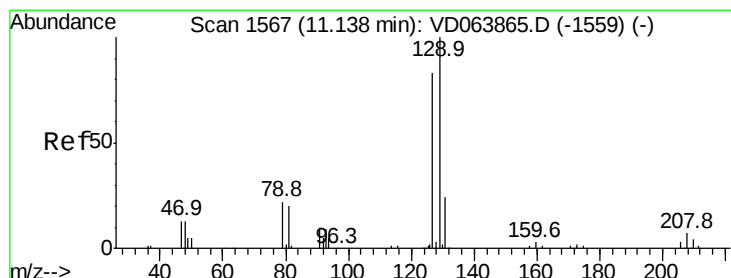
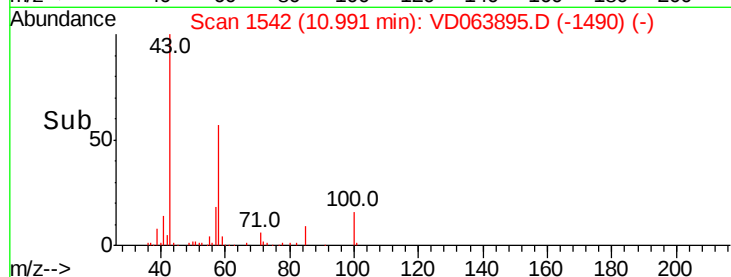
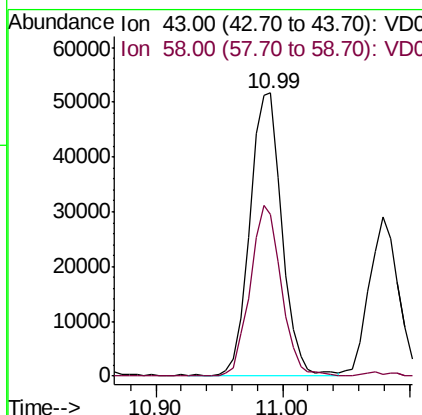
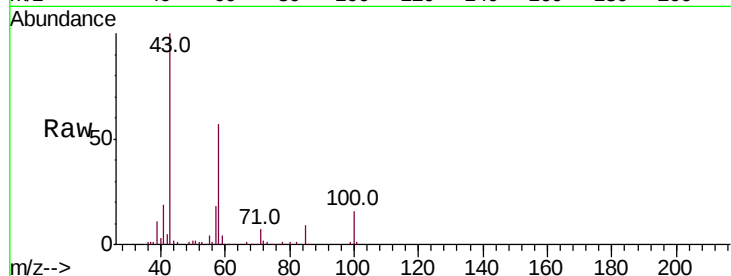




#59
2-Hexanone
Concen: 96.031 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

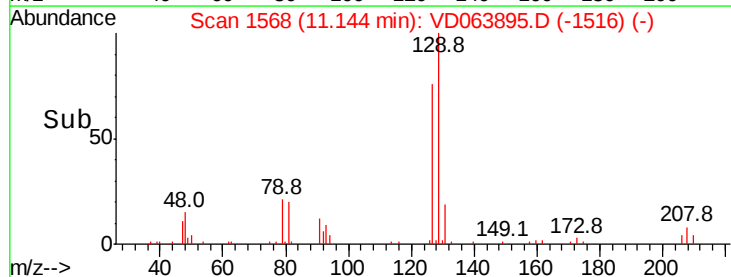
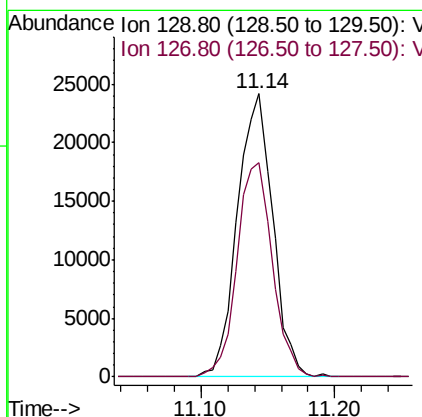
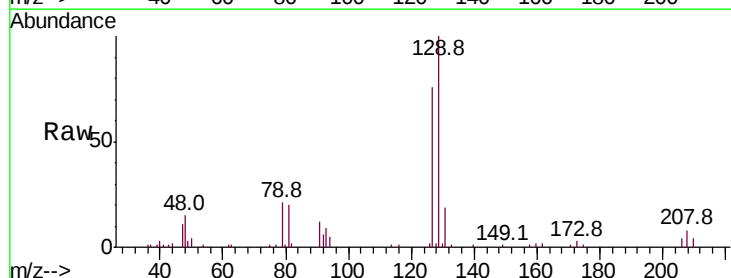
Instrument :
MSVOA_D
ClientSampled :

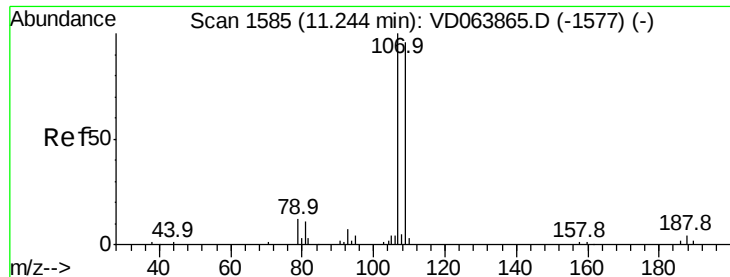
Tot Ion: 43 Resp: 91281
Ion Ratio Lower Upper
43 100
58 58.3 27.7 83.0



#60
Dibromochloromethane
Concen: 19.949 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion: 129 Resp: 44258
Ion Ratio Lower Upper
129 100
127 75.8 39.9 119.6

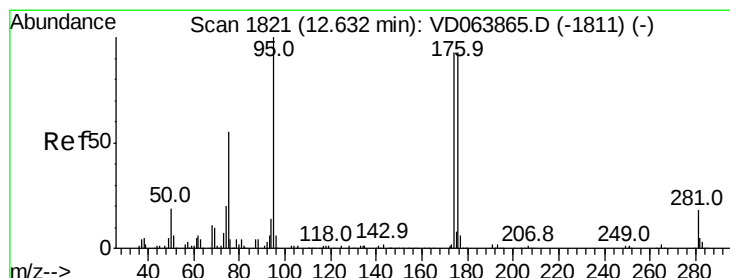
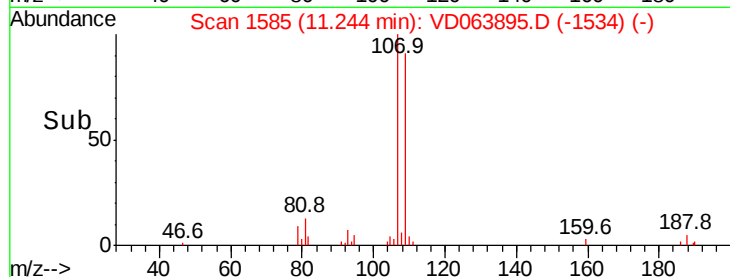
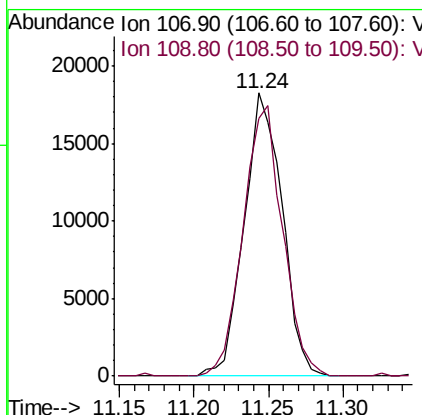
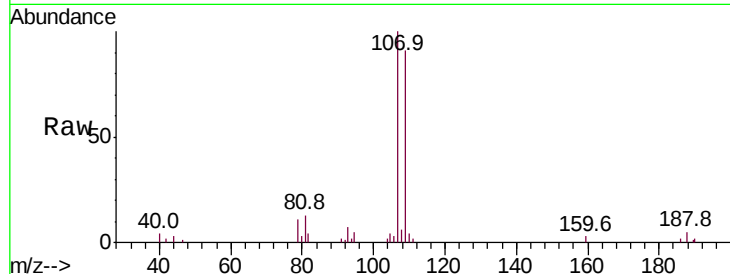




#61
 1,2-Dibromoethane
 Concen: 19.483 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

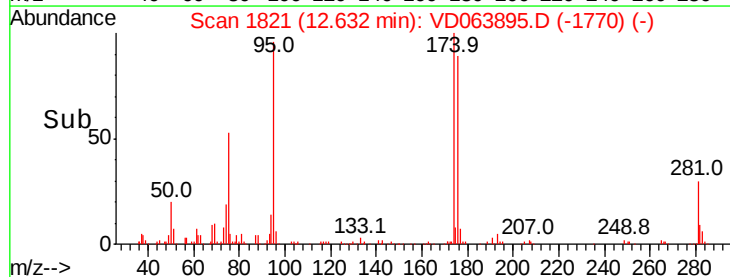
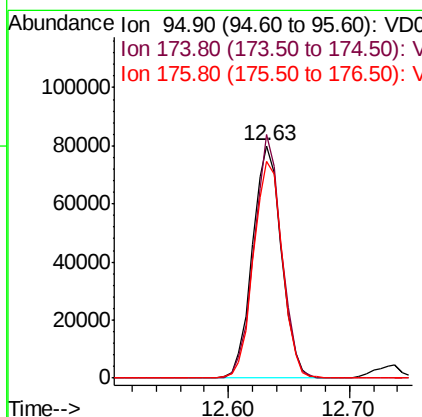
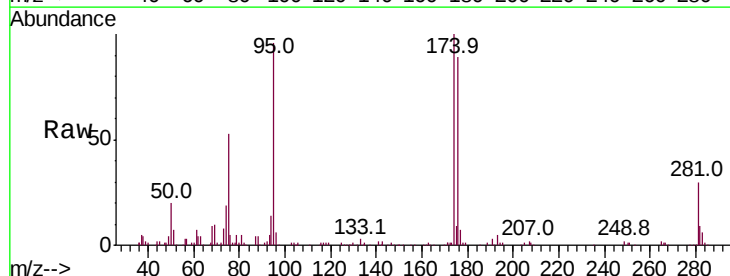
Instrument :
 MSVOA_D
 ClientSampleId :

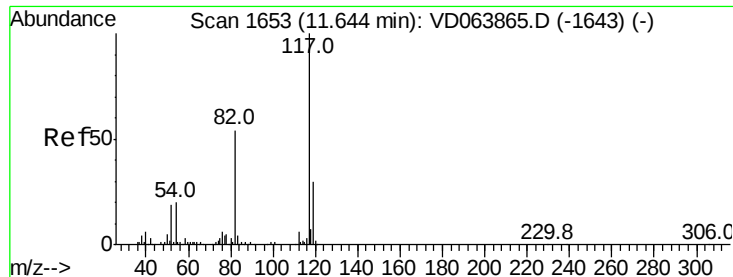
Tot Ion:107 Resp: 32187
 Ion Ratio Lower Upper
 107 100
 109 99.1 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 46.885 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Tgt Ion: 95 Resp: 133539
 Ion Ratio Lower Upper
 95 100
 174 98.9 0.0 186.4
 176 92.9 0.0 184.2

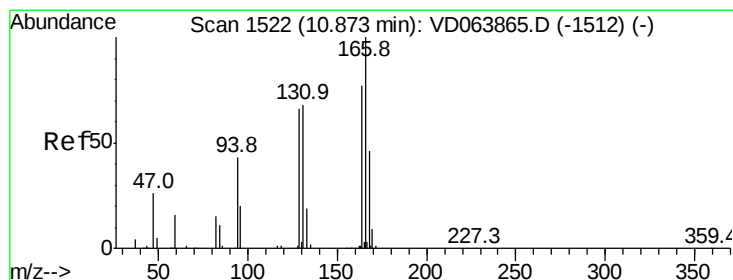
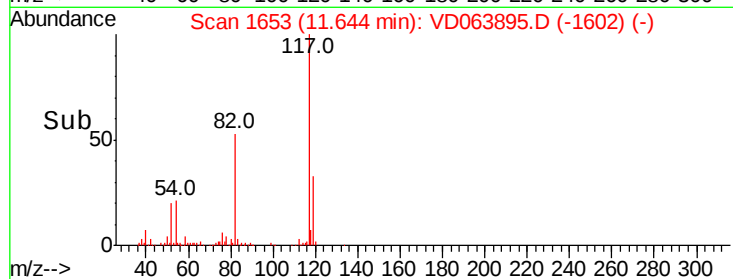
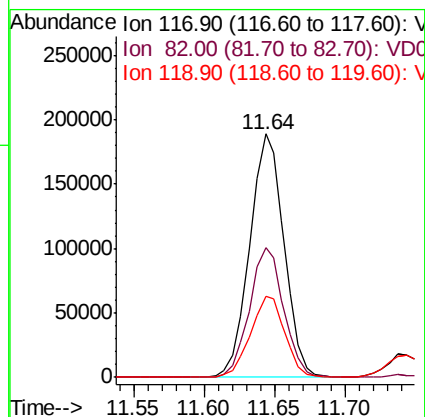
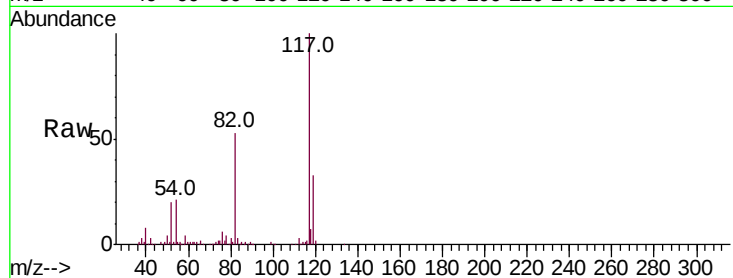




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

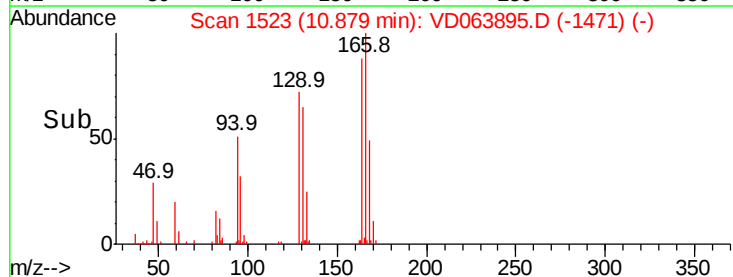
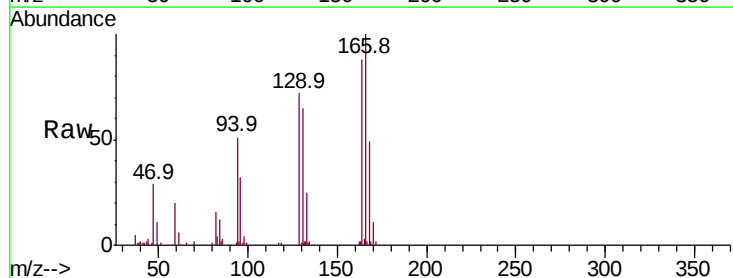
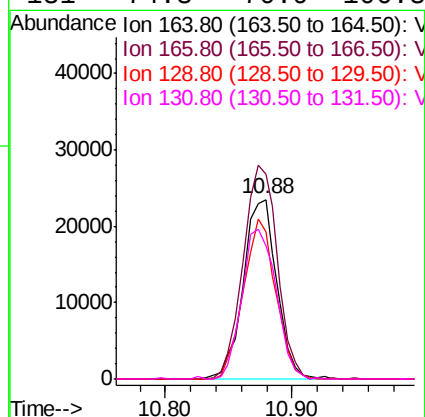
Instrument :
MSVOA_D
ClientSampleId :

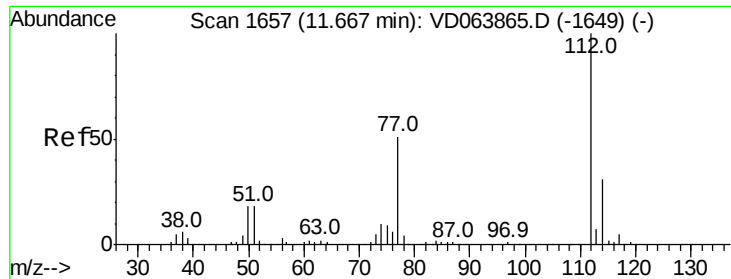
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.8	64.2
119	33.1	24.4	36.6



#64
Tetrachloroethene
Concen: 19.681 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	113.7	103.8	155.6
129	82.1	68.9	103.3
131	74.3	70.9	106.3





#65

Chlorobenzene

Concen: 20.342 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.01 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

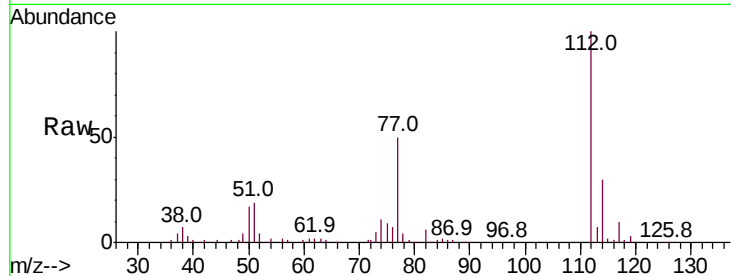
ClientSampleId :

Tot Ion:112 Resp: 131648

Ion Ratio Lower Upper

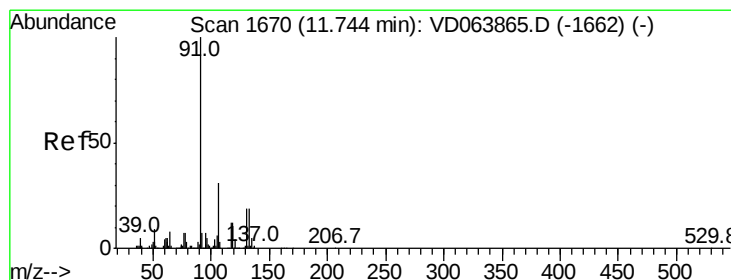
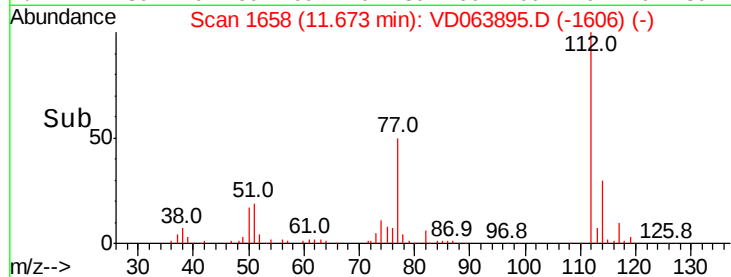
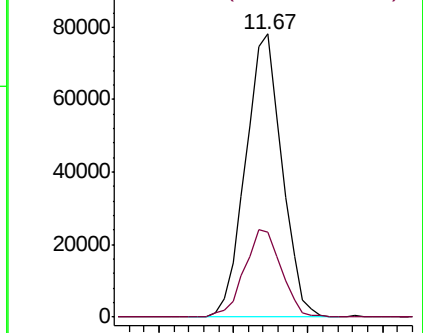
112 100

114 30.0 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.399 ug/l

RT: 11.74 min Scan# 1669

Delta R.T. -0.01 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

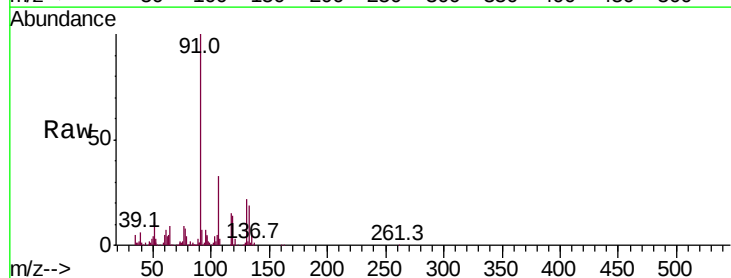
Tgt Ion:131 Resp: 46260

Ion Ratio Lower Upper

131 100

133 94.1 48.9 146.7

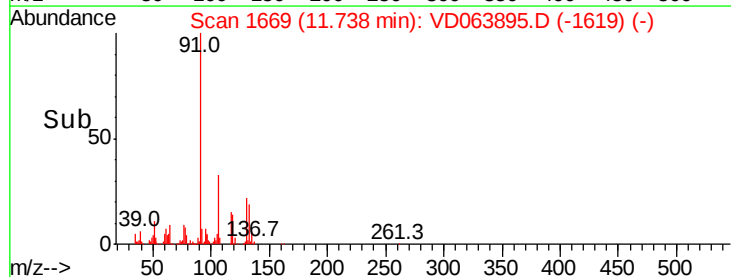
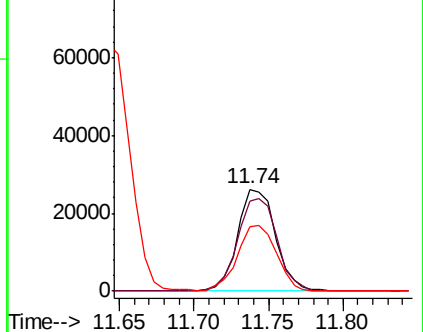
119 66.6 32.6 97.8

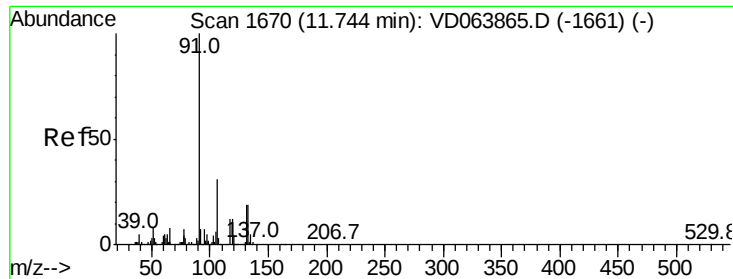


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.808 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

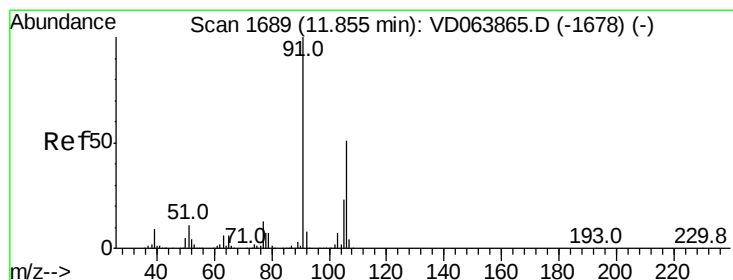
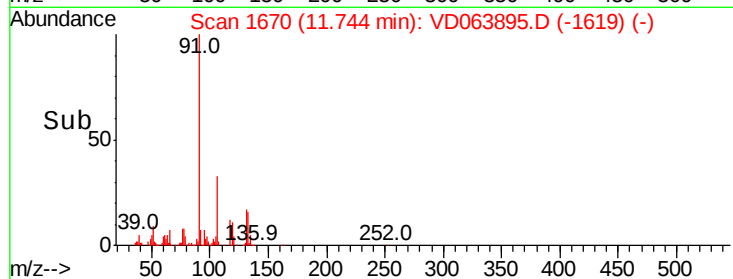
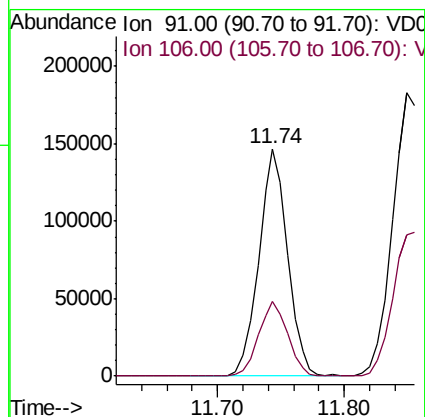
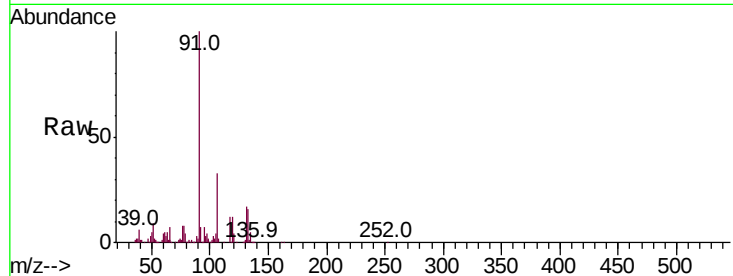
ClientSampled :

Tot Ion: 91 Resp: 231153

Ion Ratio Lower Upper

91 100

106 32.8 24.6 37.0



#68

m/p-Xylenes

Concen: 39.856 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063895.D

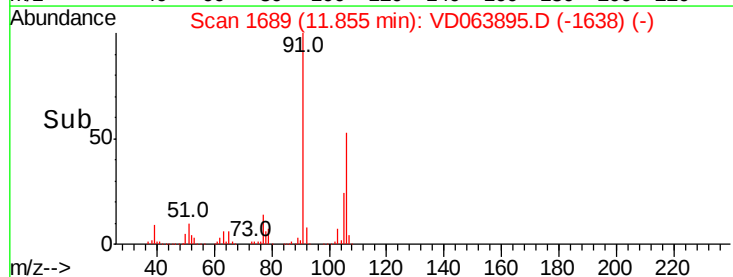
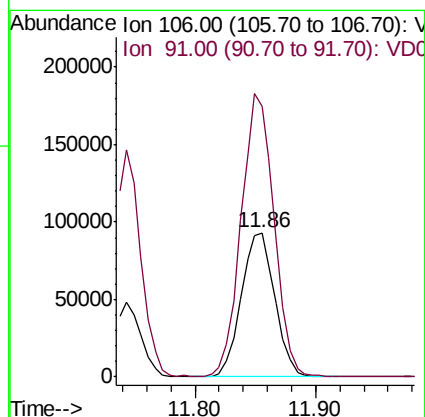
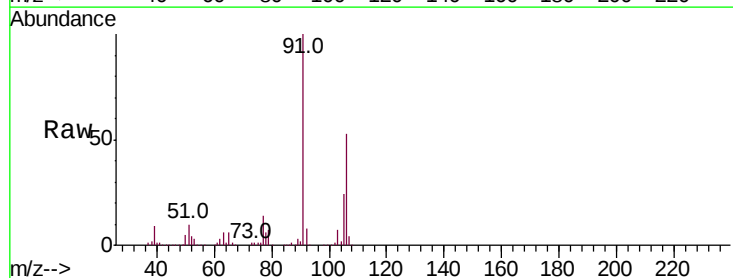
Acq: 07 Oct 2019 12:22

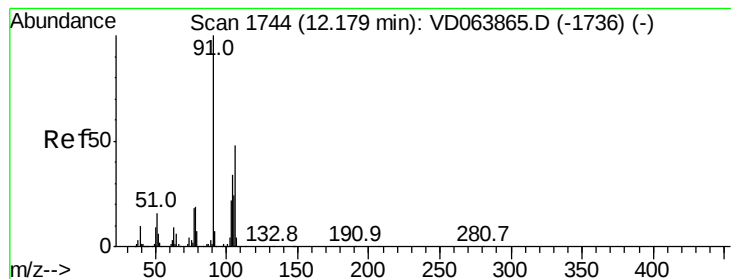
Tgt Ion: 106 Resp: 179524

Ion Ratio Lower Upper

106 100

91 193.0 154.8 232.2





#69

o-Xylene

Concen: 19.237 ug/l

RT: 12.18 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

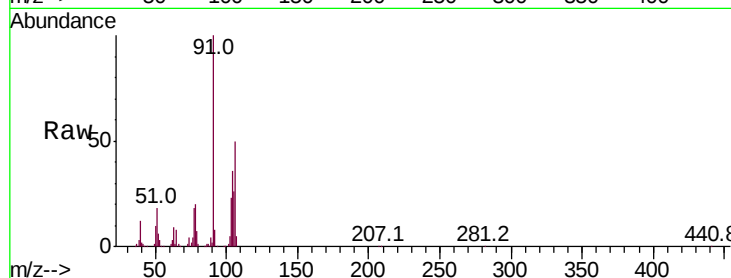
ClientSampleId :

Tot Ion:106 Resp: 82969

Ion Ratio Lower Upper

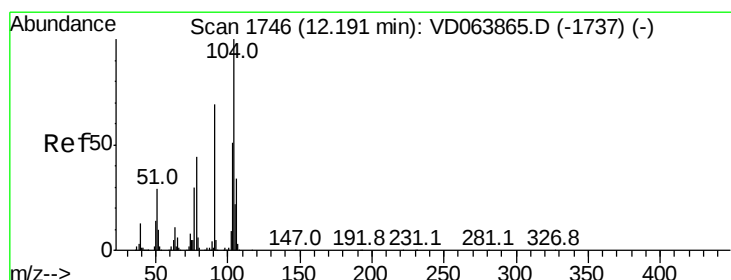
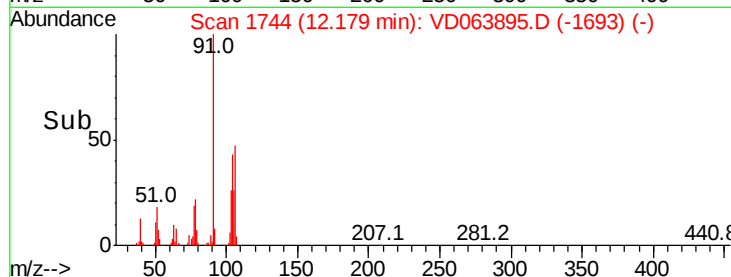
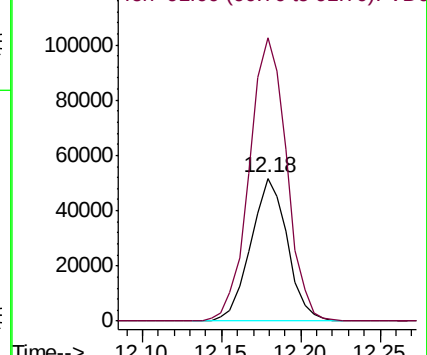
106 100

91 202.3 103.9 311.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC



#70

Styrene

Concen: 19.749 ug/l

RT: 12.19 min Scan# 1746

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

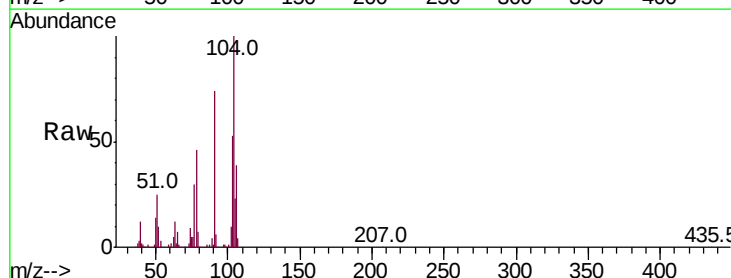
Tgt Ion:104 Resp: 144198

Ion Ratio Lower Upper

104 100

78 48.1 37.0 55.4

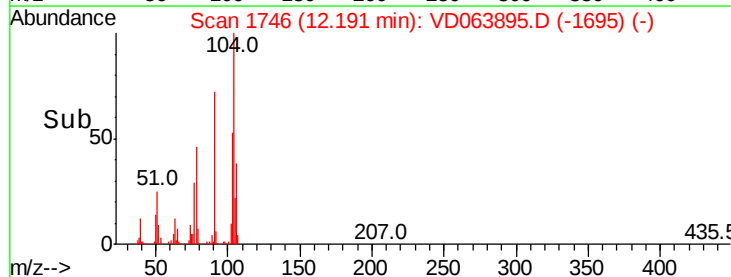
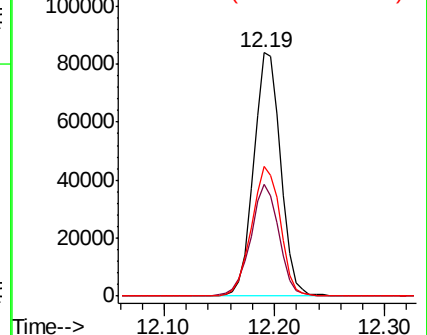
103 56.9 44.2 66.4

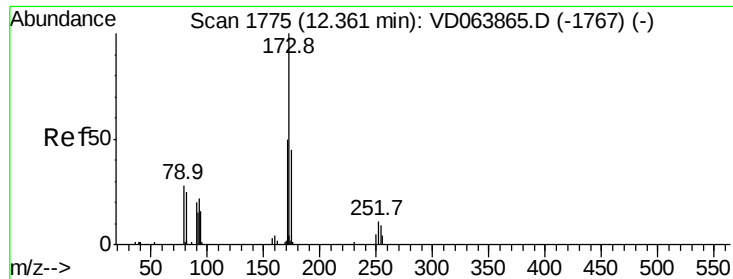


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VDC

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.048 ug/l

RT: 12.36 min Scan# 1774

Delta R.T. -0.01 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

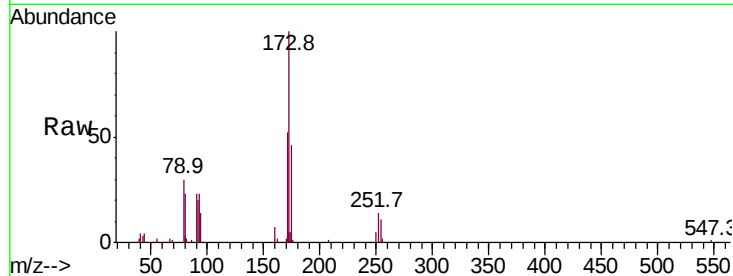
Tot Ion:173 Resp: 24378

Ion Ratio Lower Upper

173 100

175 47.6 24.6 74.0

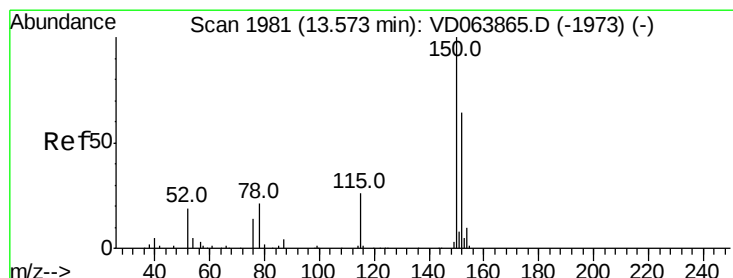
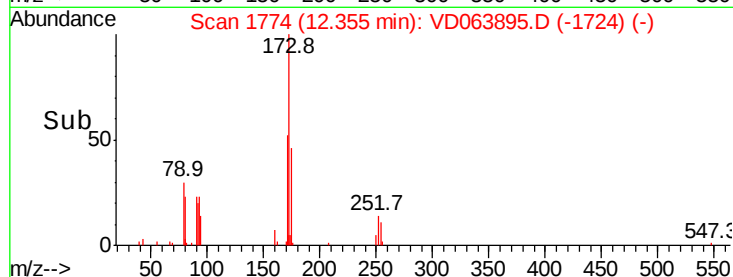
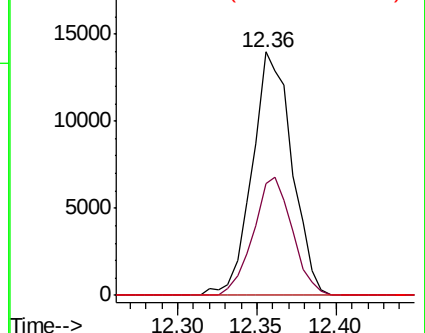
254 0.0 0.0 0.0



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: VD063895.D

Acq: 07 Oct 2019 12:22

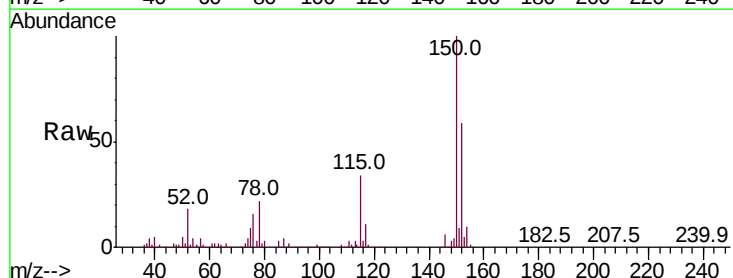
Tgt Ion:152 Resp: 169619

Ion Ratio Lower Upper

152 100

115 54.7 25.9 77.7

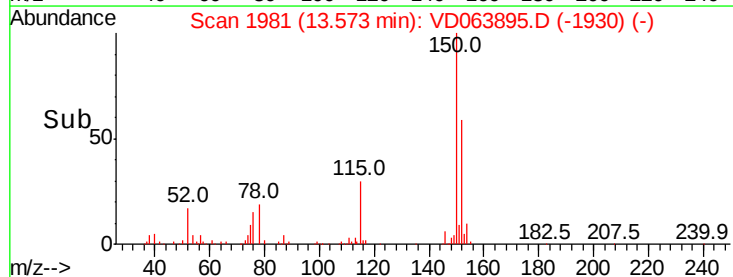
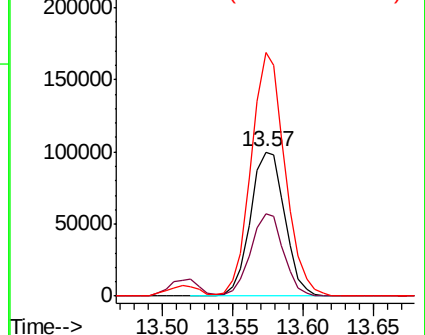
150 167.8 0.0 344.2

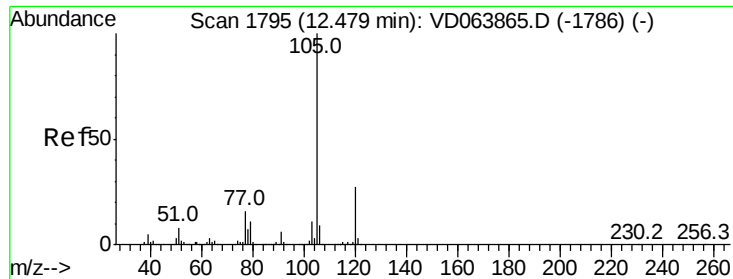


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.374 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

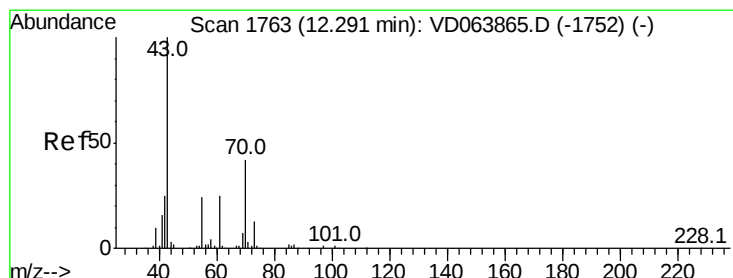
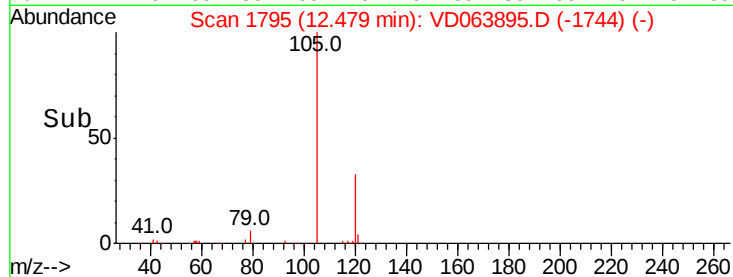
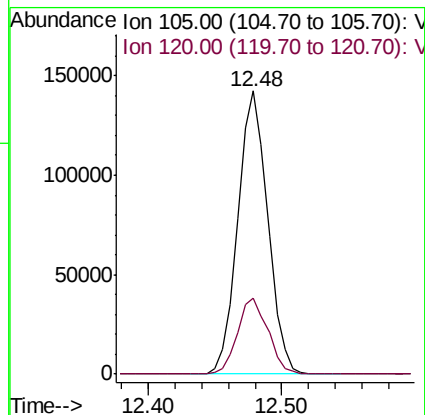
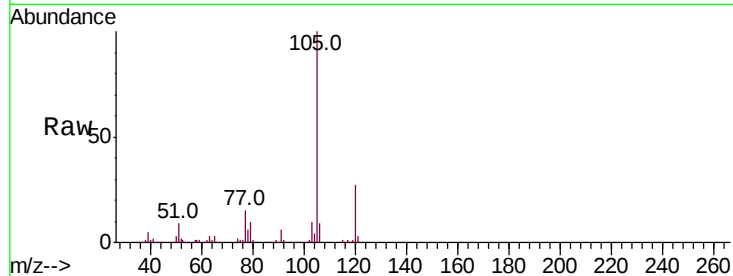
ClientSampleId :

Tot Ion:105 Resp: 220912

Ion Ratio Lower Upper

105 100

120 27.4 13.3 39.8



#74

N-ethyl acetate

Concen: 20.235 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Tgt Ion: 43 Resp: 49678

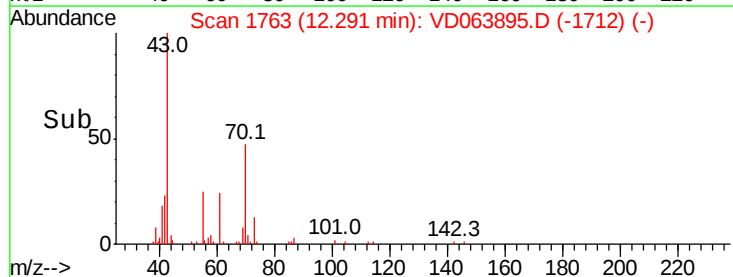
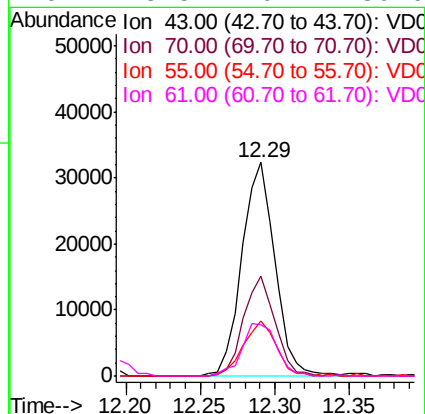
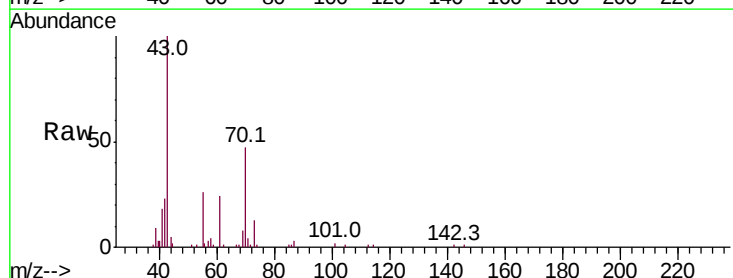
Ion Ratio Lower Upper

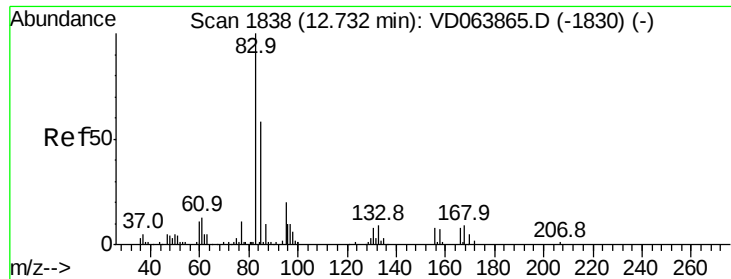
43 100

70 44.3 35.8 53.6

55 25.2 19.4 29.0

61 25.5 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.263 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

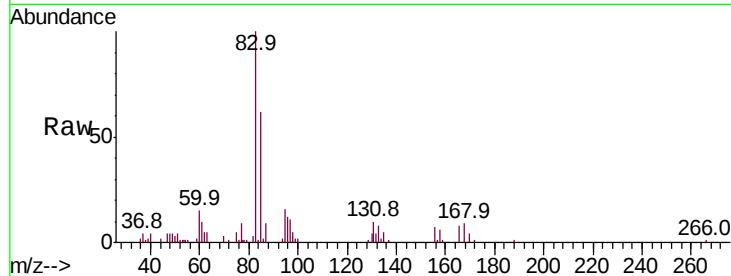
Tot Ion: 83 Resp: 40206

Ion Ratio Lower Upper

83 100

131 11.1 5.6 16.8

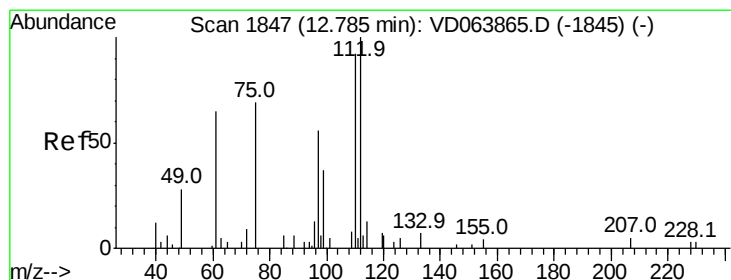
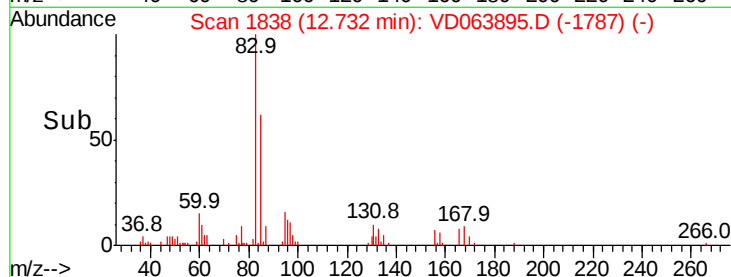
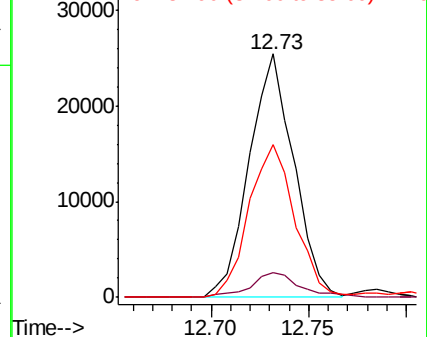
85 65.0 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 45.228 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD063895.D

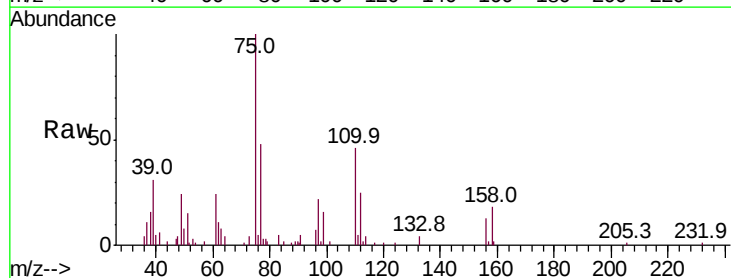
Acq: 07 Oct 2019 12:22

Tgt Ion: 75 Resp: 51382

Ion Ratio Lower Upper

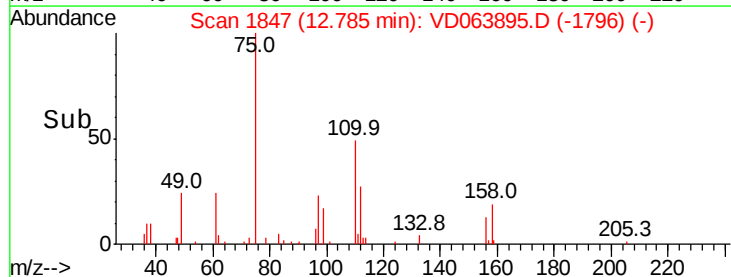
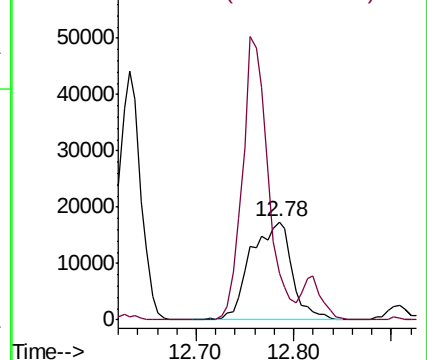
75 100

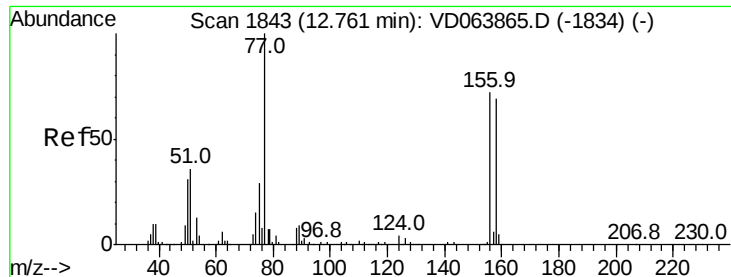
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 19.514 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

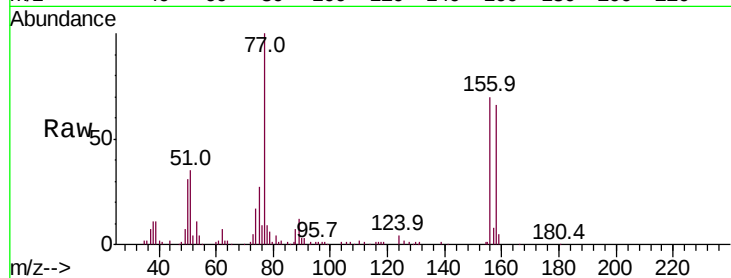
ClientSampleId :

Tot Ion:156 Resp: 55437

Ion	Ratio	Lower	Upper
156	100		
77	166.1	80.3	241.0
158	96.2	47.4	142.2

77 166.1 80.3 241.0

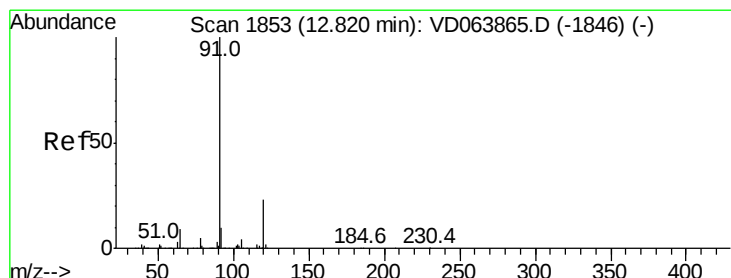
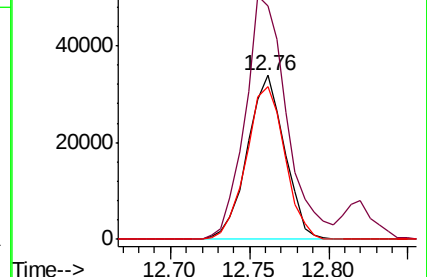
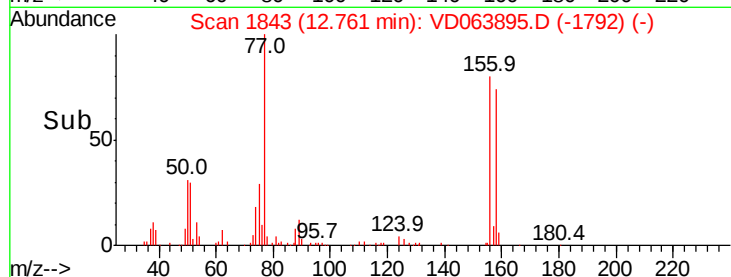
158 96.2 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.410 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063895.D

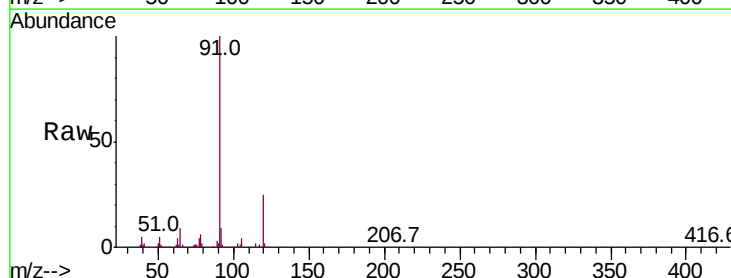
Acq: 07 Oct 2019 12:22

Tgt Ion: 91 Resp: 273174

Ion	Ratio	Lower	Upper
91	100		
120	23.9	12.0	36.0

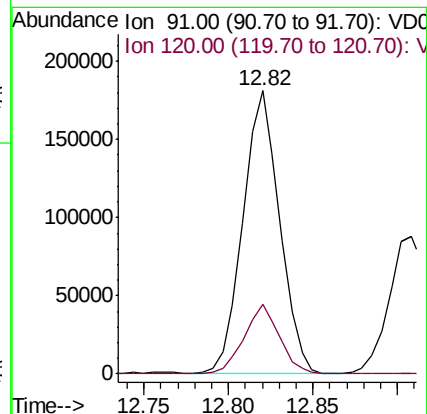
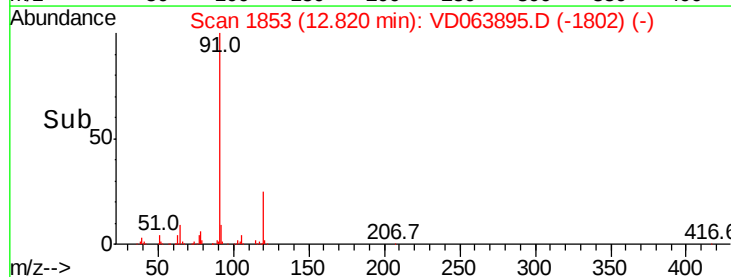
91 100

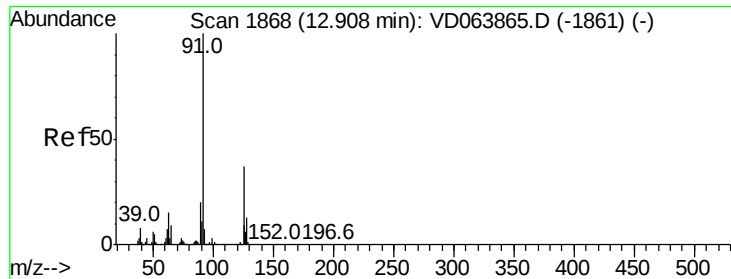
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

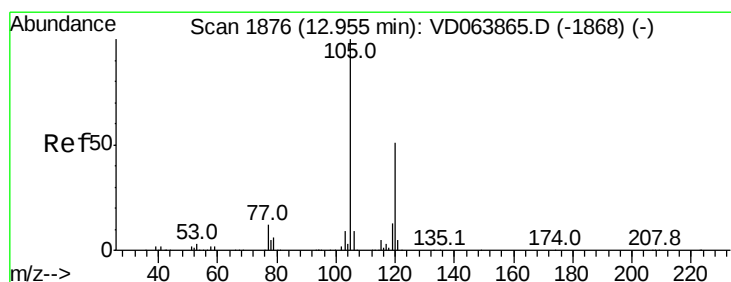
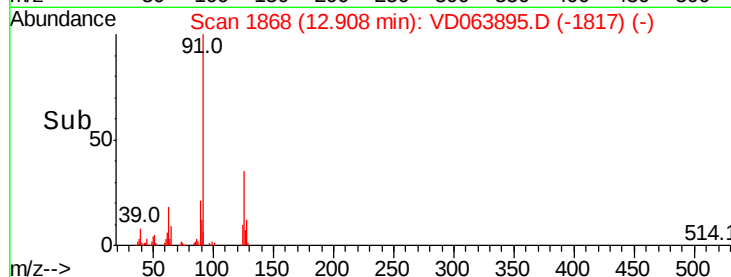
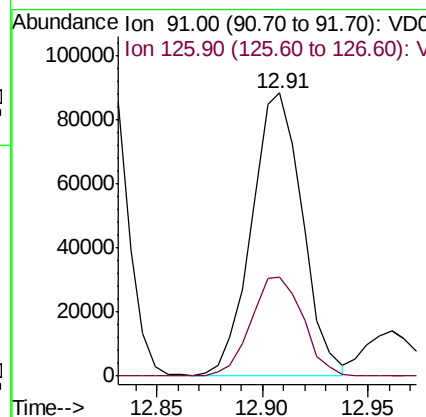
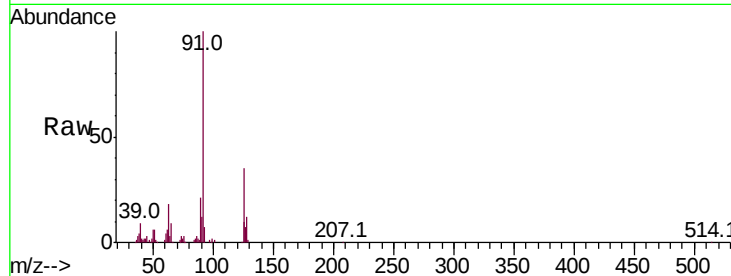




#79
 2-Chlorotoluene
 Concen: 19.883 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

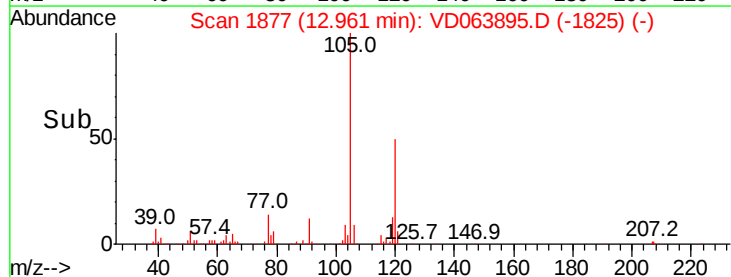
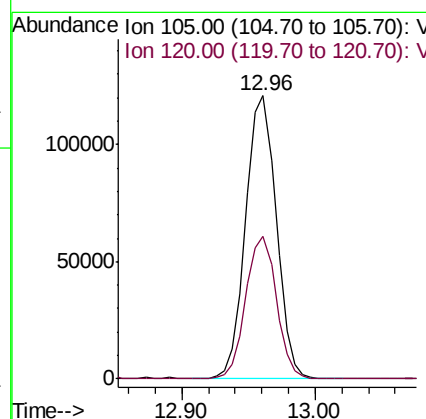
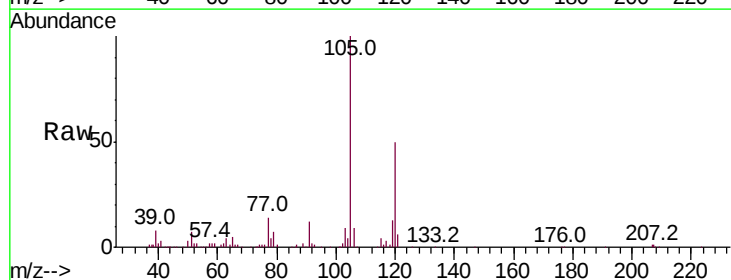
Instrument :
 MSVOA_D
 ClientSampled :

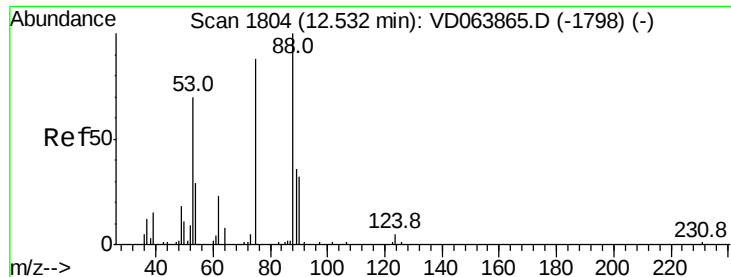
Tot Ion: 91 Resp: 146741
 Ion Ratio Lower Upper
 91 100
 126 35.9 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 20.139 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Tgt Ion: 105 Resp: 191578
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.9 77.8

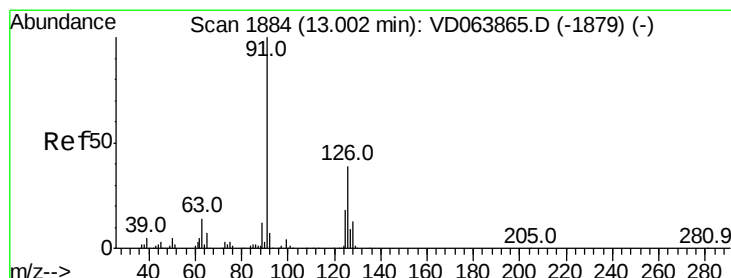
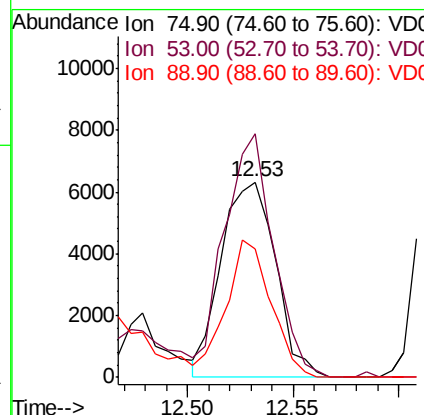
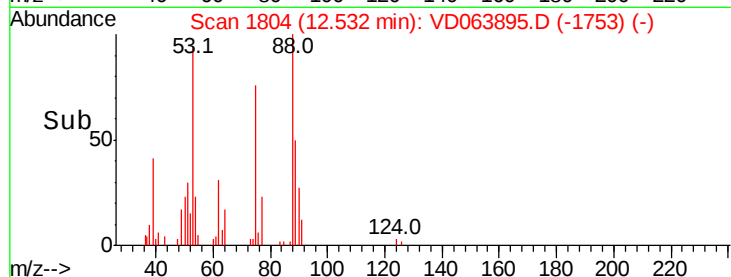
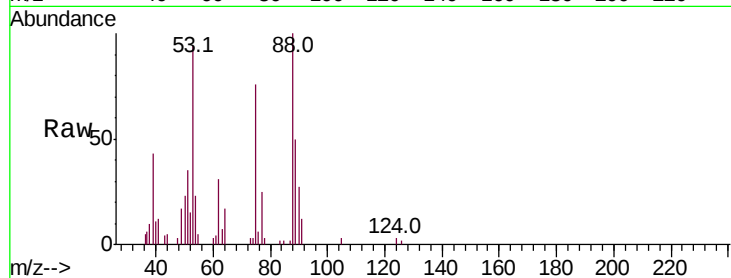




#81
trans-1,4-Dichloro-2-butene
Concen: 17.644 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

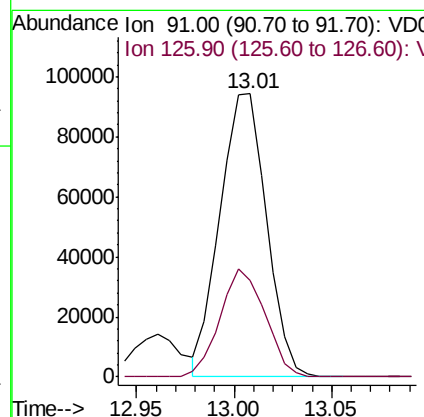
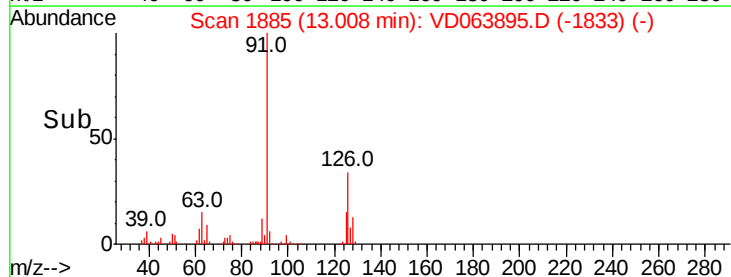
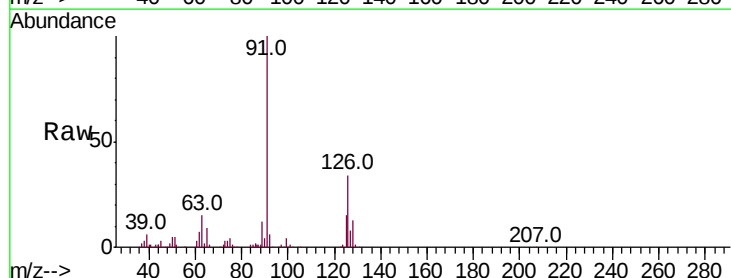
Instrument :
MSVOA_D
ClientSampleId :

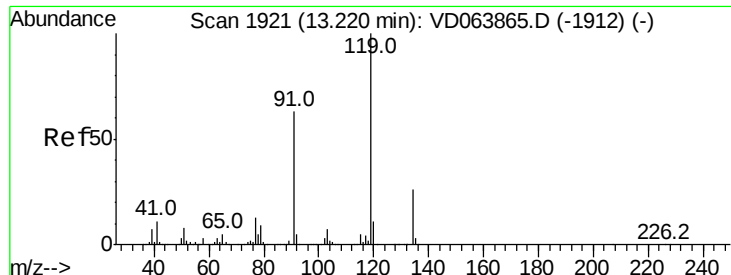
Tot Ion: 75 Resp: 11327
Ion Ratio Lower Upper
75 100
53 112.1 75.0 112.6
89 57.9 38.2 57.4#



#82
4-Chlorotoluene
Concen: 19.947 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion: 91 Resp: 156160
Ion Ratio Lower Upper
91 100
126 37.2 18.6 55.8

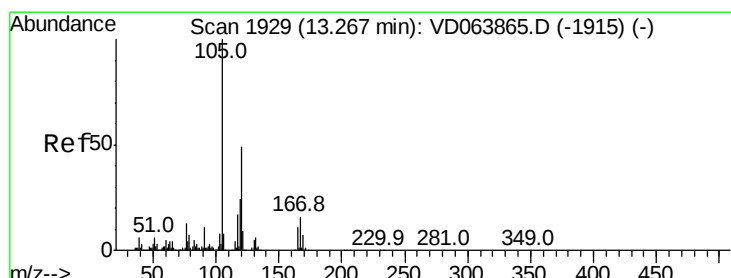
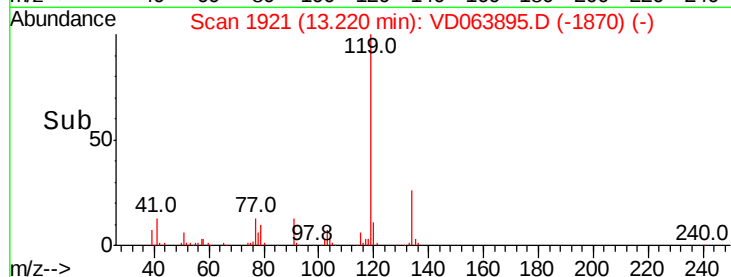
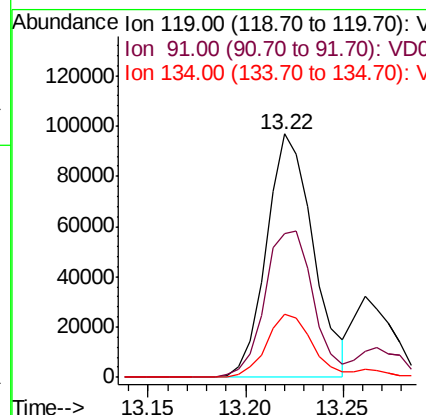
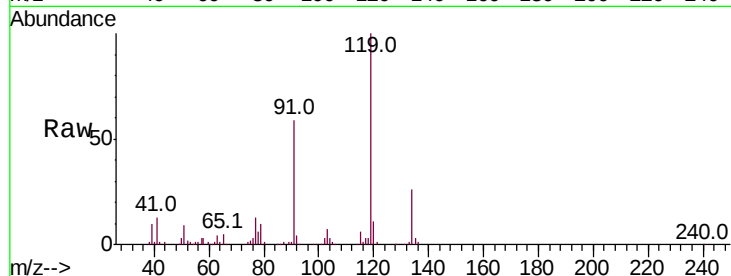




#83
tert-Butylbenzene
Concen: 19.013 ug/l
RT: 13.22 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

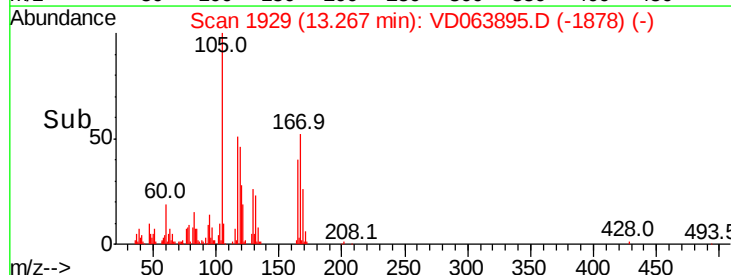
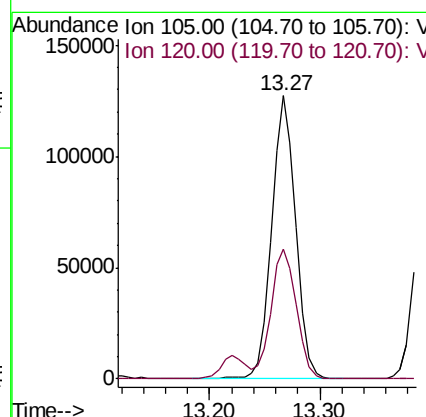
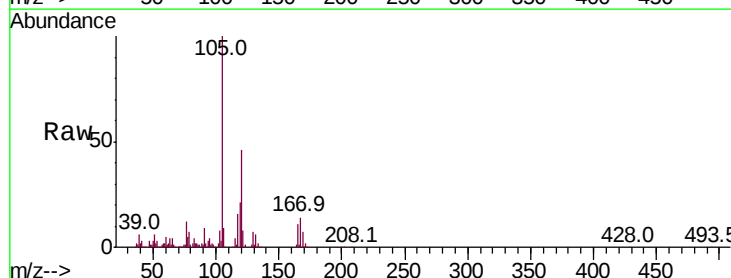
Instrument :
MSVOA_D
ClientSampleId :

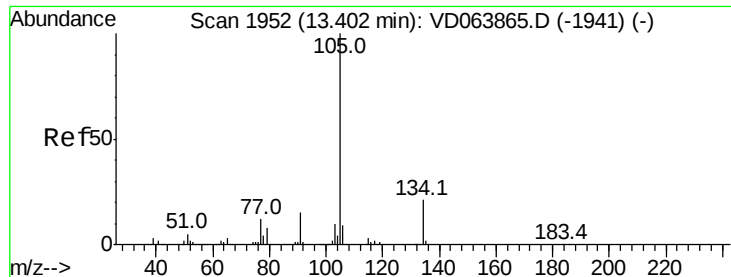
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	30.0	90.0
134	25.6	13.0	38.9



#84
1,2,4-Trimethylbenzene
Concen: 19.718 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.6	23.8	71.5





#85

sec-Butylbenzene

Concen: 20.247 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

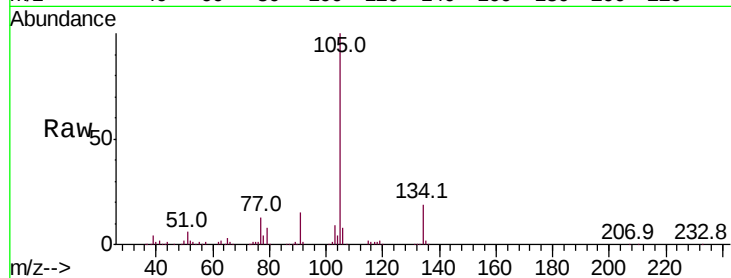
ClientSampleId :

Tot Ion:105 Resp: 231491

Ion Ratio Lower Upper

105 100

134 19.8 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

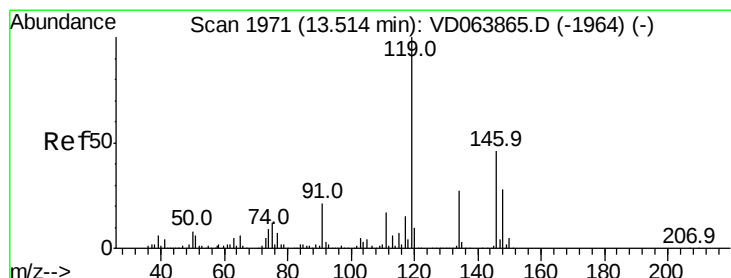
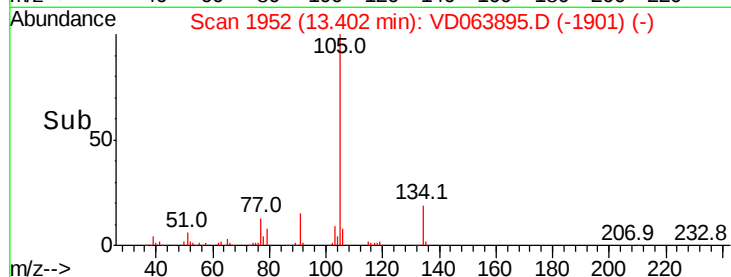
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.117 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

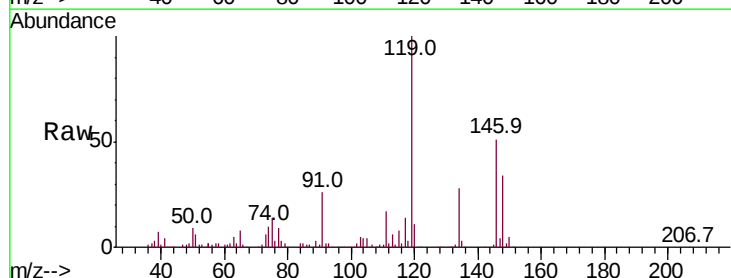
Tgt Ion:119 Resp: 217647

Ion Ratio Lower Upper

119 100

134 25.8 13.9 41.6

91 22.4 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.51

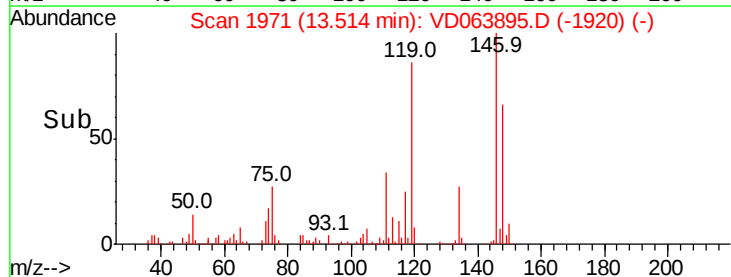
150000

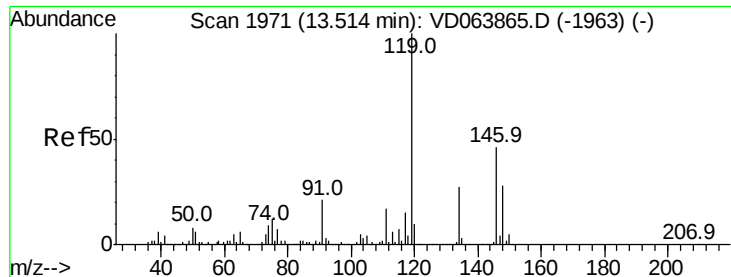
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 18.962 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

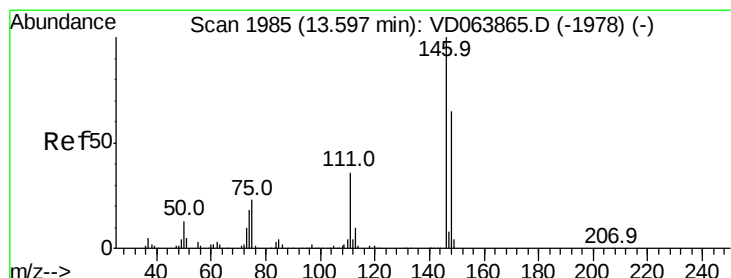
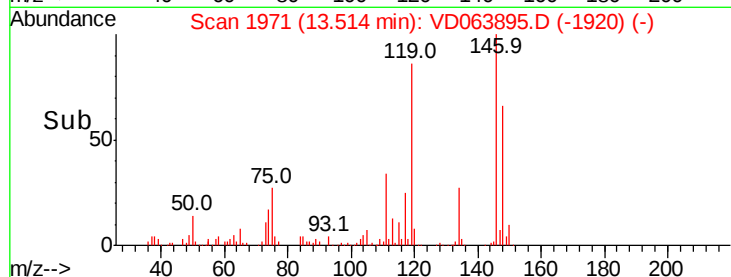
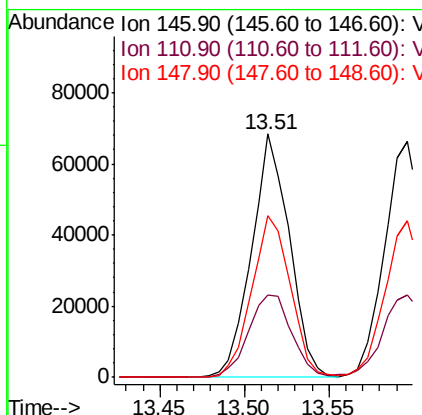
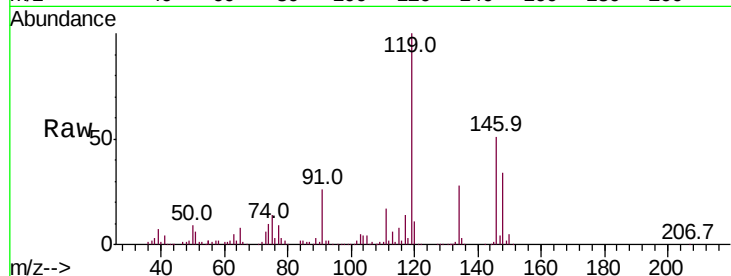
Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:146 Resp: 106440

Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.3	54.9
148	68.1	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 19.927 ug/l

RT: 13.60 min Scan# 1985

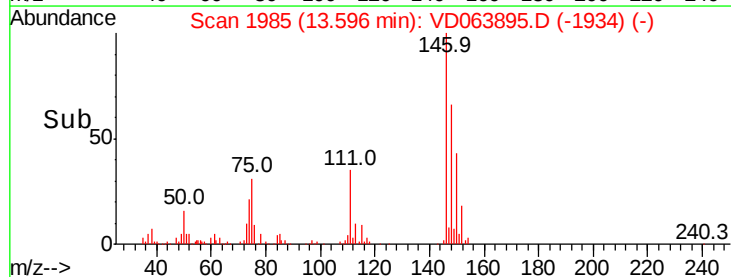
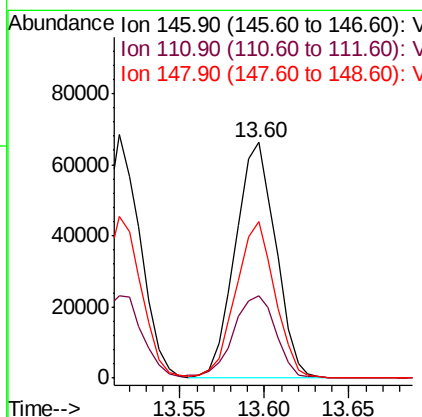
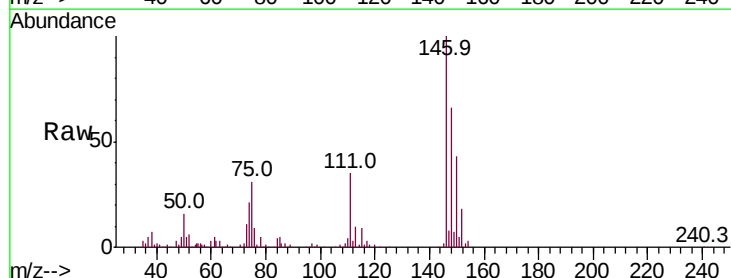
Delta R.T. -0.00 min

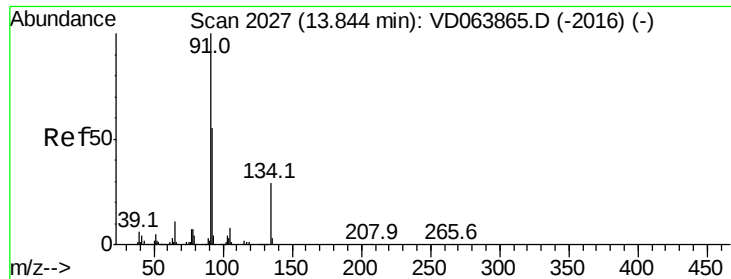
Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Tgt Ion:146 Resp: 110353

Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	56.0
148	64.6	32.6	98.0

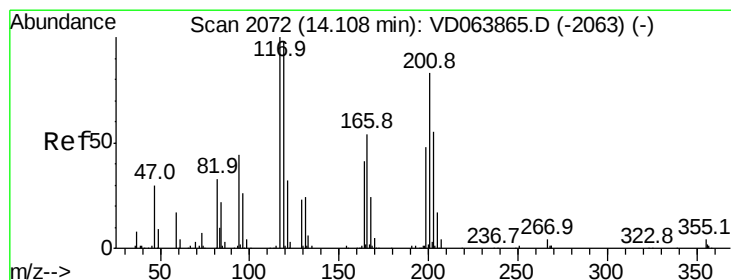
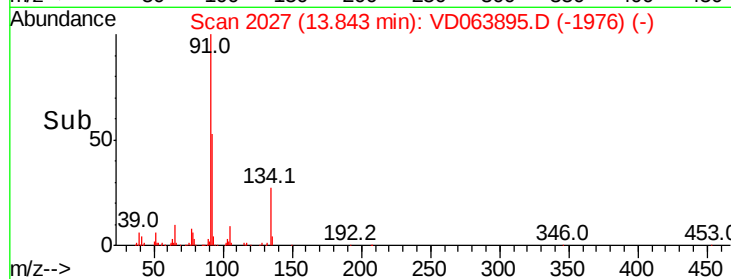
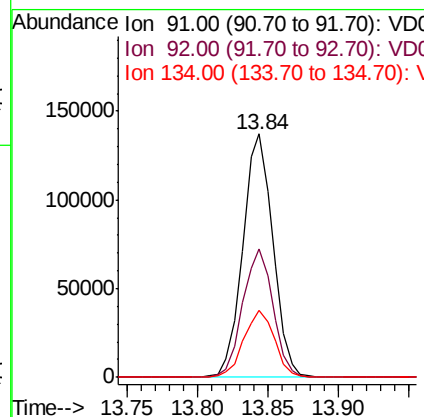
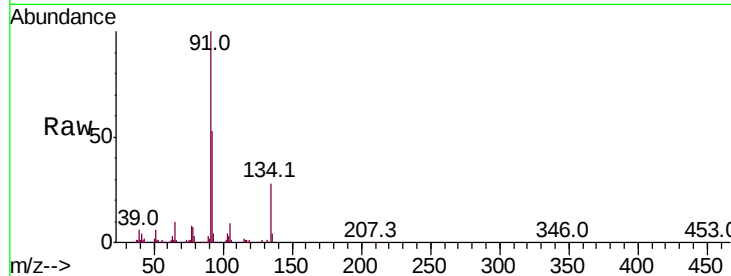




#89
n-Butylbenzene
Concen: 20.346 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

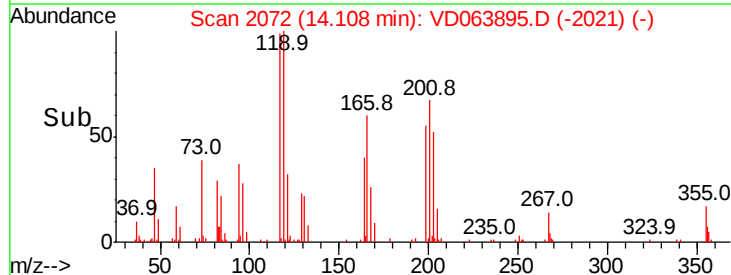
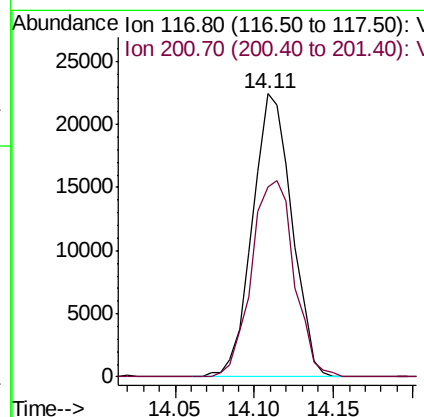
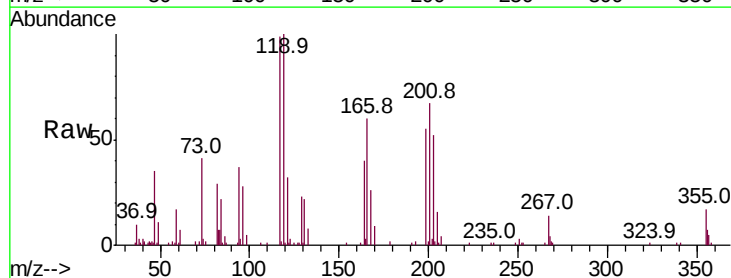
Instrument :
MSVOA_D
ClientSampleId :

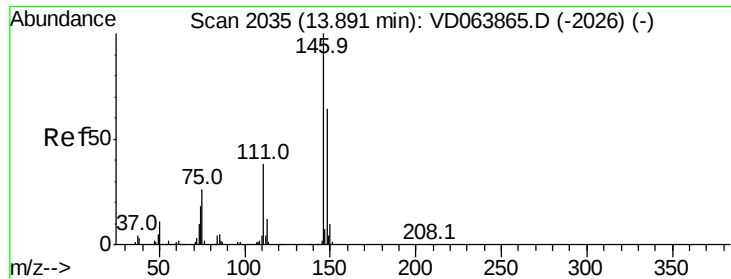
Tot Ion: 91 Resp: 204896
Ion Ratio Lower Upper
91 100
92 52.7 26.8 80.3
134 28.0 14.4 43.0



#90
Hexachloroethane
Concen: 20.014 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion: 117 Resp: 38944
Ion Ratio Lower Upper
117 100
201 75.0 40.6 121.7

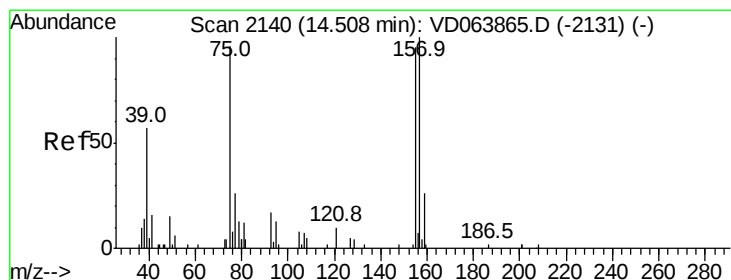
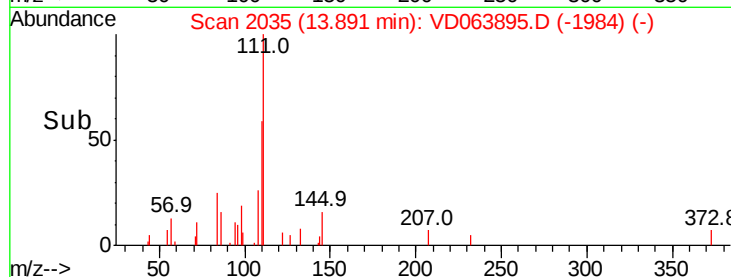
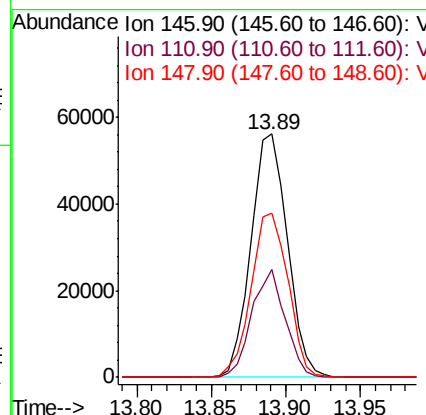
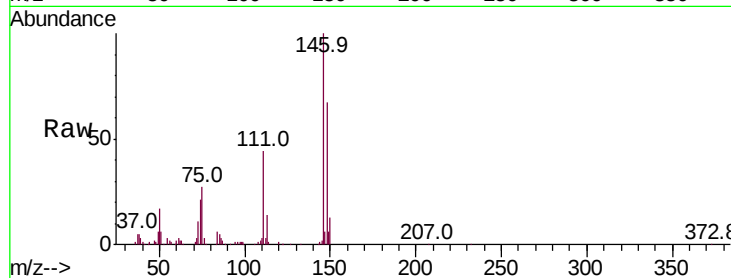




#91
 1,2-Dichlorobenzene
 Concen: 19.579 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

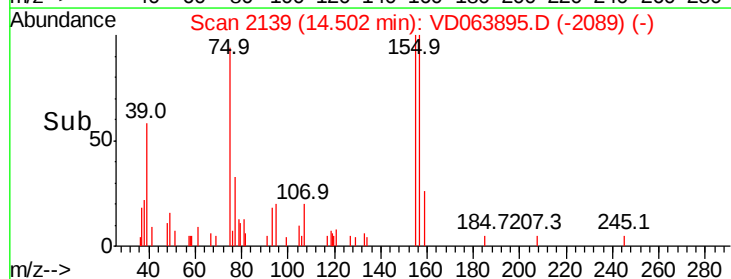
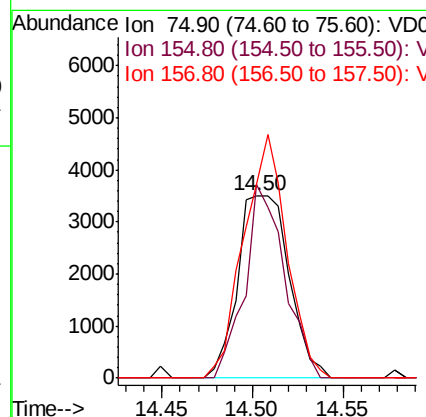
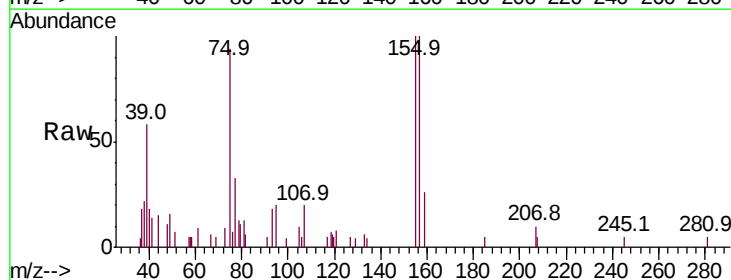
Instrument :
 MSVOA_D
 ClientSampleId :

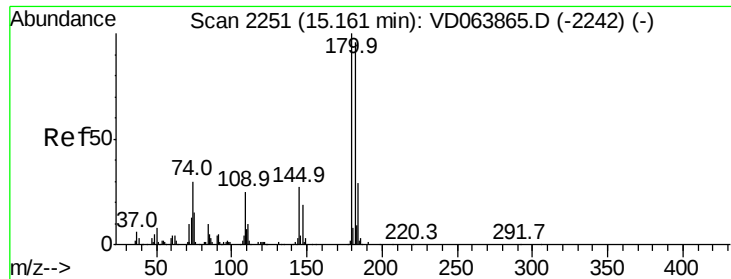
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	18.6	55.6
148	68.2	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.094 ug/l
 RT: 14.50 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.3	43.9	131.6
157	110.9	56.0	167.9

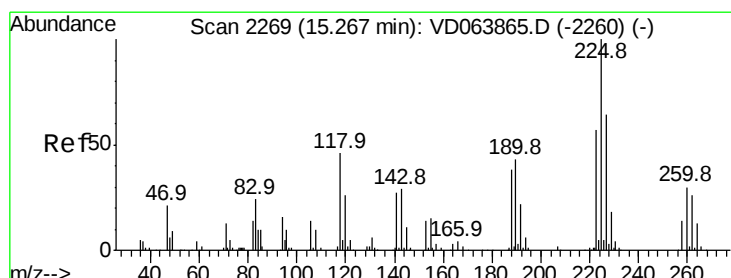
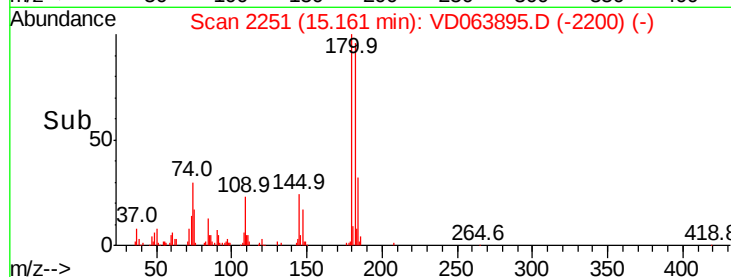
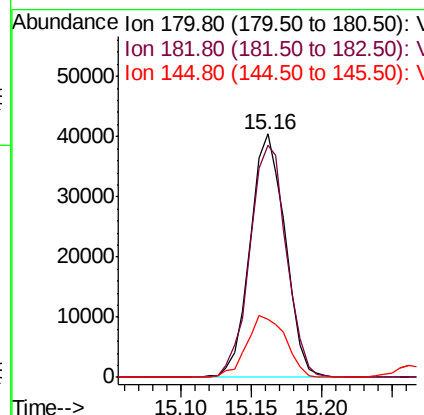
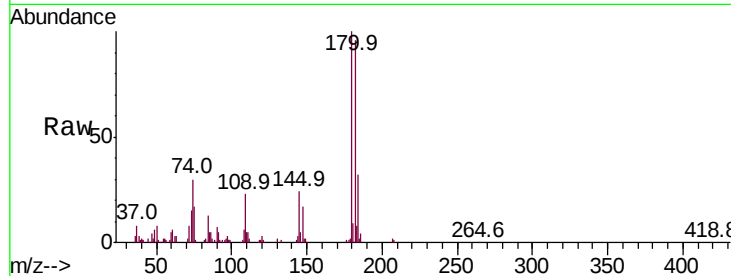




#93
 1,2,4-Trichlorobenzene
 Concen: 18.915 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

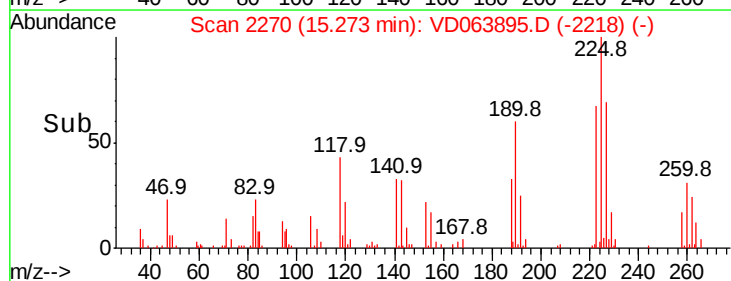
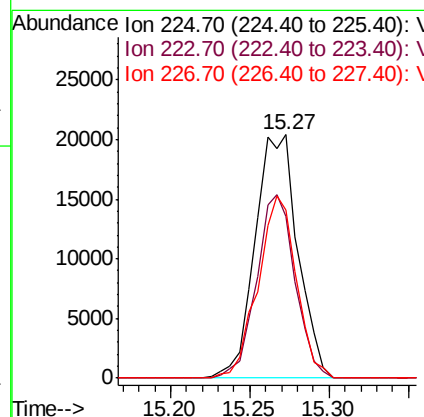
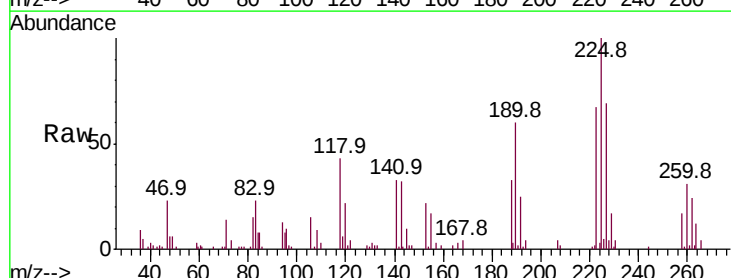
Instrument :
 MSVOA_D
 ClientSampleId :

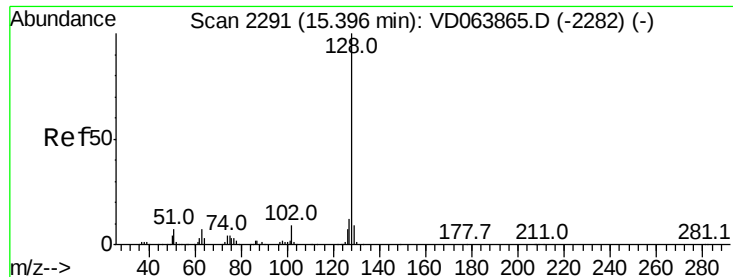
Tot Ion	Ratio	Lower	Upper
180	100		
182	99.3	47.4	142.3
145	28.0	13.9	41.7



#94
 Hexachlorobutadiene
 Concen: 18.588 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.8	29.5	88.6
227	67.3	30.8	92.4

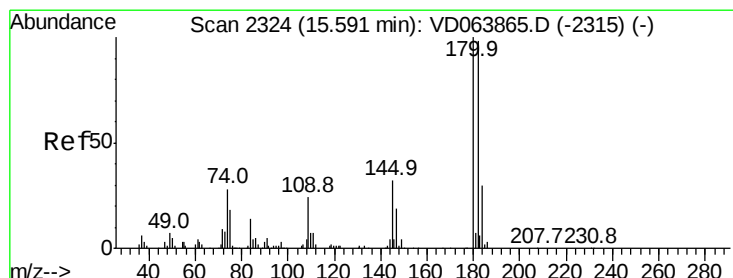
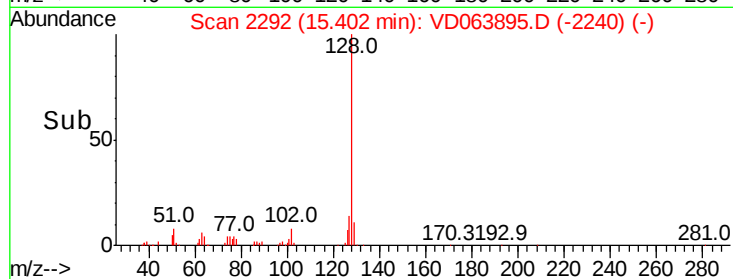
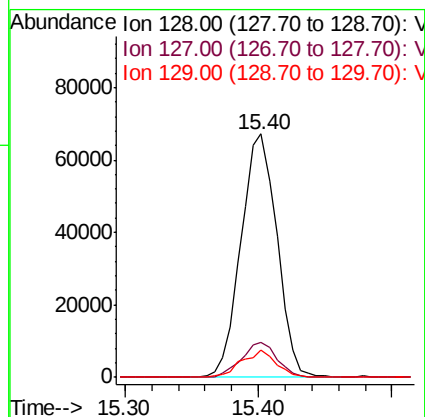
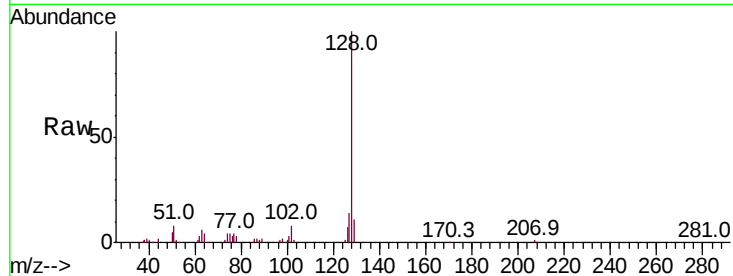




#95
Naphthalene
Concen: 19.979 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 125338
Ion Ratio Lower Upper
128 100
127 13.8 10.6 16.0
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 18.582 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion:180 Resp: 59841
Ion Ratio Lower Upper
180 100
182 101.2 47.0 141.0
145 33.9 15.3 45.9

