

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100719\
 Data File : VD063896.D
 Acq On : 07 Oct 2019 12:49
 Operator : VA/SY
 Sample : VD1007SBS01
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 08 17:26:26 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	183089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	297898	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	291616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	154652	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	86040	48.27	ug/l	0.00
Spiked Amount						
			Recovery	=	96.54%	
35) Dibromofluoromethane	7.92	113	87172	47.88	ug/l	0.00
Spiked Amount						
			Recovery	=	95.76%	
50) Toluene-d8	10.34	98	357898	48.43	ug/l	0.00
Spiked Amount						
			Recovery	=	96.86%	
62) 4-Bromofluorobenzene	12.63	95	121010	47.13	ug/l	0.00
Spiked Amount						
			Recovery	=	94.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	27486	21.169	ug/l	96
3) Chloromethane	2.21	50	83864	21.406	ug/l	93
4) Vinyl Chloride	2.35	62	93410	22.259	ug/l	97
5) Bromomethane	2.76	94	55542	20.587	ug/l	98
6) Chloroethane	2.91	64	59639	21.489	ug/l	94
7) Trichlorofluoromethane	3.26	101	118629	21.381	ug/l	94
8) Diethyl Ether	3.70	74	20441	22.953	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	32717	21.302	ug/l	97
10) Methyl Iodide	4.29	142	44622	21.085	ug/l	98
11) Tert butyl alcohol	5.26	59	13979	108.340	ug/l	95
12) 1,1-Dichloroethene	4.06	96	35028	22.828	ug/l	89
13) Acrolein	3.93	56	16446	103.302	ug/l	97
14) Allyl chloride	4.70	41	53967	21.154	ug/l	98
15) Acrylonitrile	5.43	53	46664	118.848	ug/l	94
16) Acetone	4.17	43	46983	101.238	ug/l	96
17) Carbon Disulfide	4.40	76	119390	21.404	ug/l	99
18) Methyl Acetate	4.73	43	19935	21.962	ug/l #	89
19) Methyl tert-butyl Ether	5.48	73	89889	22.623	ug/l	99
20) Methylene Chloride	4.96	84	49959	22.613	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	41194	21.565	ug/l	98
22) Diisopropyl ether	6.37	45	114573	21.990	ug/l	96
23) Vinyl Acetate	6.31	43	349918	112.897	ug/l	100
24) 1,1-Dichloroethane	6.27	63	69614	21.692	ug/l #	92
25) 2-Butanone	7.22	43	60109	109.291	ug/l	92
26) 2,2-Dichloropropane	7.21	77	61576	21.211	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	47869	22.140	ug/l	97
28) Bromochloromethane	7.54	49	22773	19.833	ug/l	98
29) Tetrahydrofuran	7.57	42	35873	111.747	ug/l	98
30) Chloroform	7.71	83	72405	20.772	ug/l	91
31) Cyclohexane	7.98	56	64400	22.039	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	64553	21.590	ug/l	98
36) 1,1-Dichloropropene	8.11	75	56672	20.807	ug/l	98
37) Ethyl Acetate	7.30	43	23634	19.181	ug/l	97
38) Carbon Tetrachloride	8.09	117	59359	21.566	ug/l	94

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	68561	20.472	ug/l	98
40) Benzene	8.35	78	165491	21.202	ug/l	98
41) Methacrylonitrile	7.53	41	17006	26.930	ug/l #	51
42) 1,2-Dichloroethane	8.43	62	47634	21.097	ug/l	98
43) Isopropyl Acetate	8.46	43	49344	21.602	ug/l	99
44) Trichloroethene	9.11	130	47227	20.982	ug/l	90
45) 1,2-Dichloropropane	9.40	63	39481	20.665	ug/l	91
46) Dibromomethane	9.48	93	24208	22.249	ug/l	98
47) Bromodichloromethane	9.66	83	56657	20.225	ug/l	97
48) Methyl methacrylate	9.46	41	22291	20.367	ug/l	95
49) 1,4-Dioxane	9.47	88	6566	442.098	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	129033	108.920	ug/l	98
52) Toluene	10.40	92	115163	21.492	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	56668	20.730	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	65606	20.849	ug/l	90
55) 1,1,2-Trichloroethane	10.80	97	34559	22.495	ug/l	96
56) Ethyl methacrylate	10.66	69	42816	22.008	ug/l	98
57) 1,3-Dichloropropane	10.95	76	58338	22.194	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	84857	101.474	ug/l	99
59) 2-Hexanone	10.98	43	92864	108.366	ug/l	100
60) Dibromochloromethane	11.14	129	40869	20.434	ug/l	97
61) 1,2-Dibromoethane	11.24	107	33748	22.659	ug/l	95
64) Tetrachloroethene	10.88	164	43873	22.038	ug/l	86
65) Chlorobenzene	11.67	112	123740	21.129	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	44771	20.747	ug/l	97
67) Ethyl Benzene	11.74	91	225253	21.330	ug/l	99
68) m/p-Xylenes	11.86	106	176430	43.285	ug/l	99
69) o-Xylene	12.18	106	80590	20.648	ug/l	96
70) Styrene	12.20	104	141829	21.466	ug/l	99
71) Bromoform	12.36	173	26117	22.551	ug/l #	97
73) Isopropylbenzene	12.48	105	220042	21.165	ug/l	100
74) N-amyl acetate	12.29	43	46981	20.989	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	37953	20.979	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	50465	48.720	ug/l #	100
77) Bromobenzene	12.76	156	58700	22.662	ug/l	97
78) n-propylbenzene	12.82	91	266234	21.817	ug/l	98
79) 2-Chlorotoluene	12.91	91	146390	21.756	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	187450	21.612	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	13602	23.238	ug/l	97
82) 4-Chlorotoluene	13.00	91	153479	21.502	ug/l	100
83) tert-Butylbenzene	13.22	119	164130	21.262	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	189034	21.141	ug/l	100
85) sec-Butylbenzene	13.40	105	224911	21.575	ug/l	99
86) p-Isopropyltoluene	13.51	119	209458	21.234	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	108862	21.271	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	107638	21.318	ug/l	98
89) n-Butylbenzene	13.84	91	197200	21.477	ug/l	97
90) Hexachloroethane	14.11	117	37870	21.345	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	94756	21.484	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.50	75	6521	21.814	ug/l	87

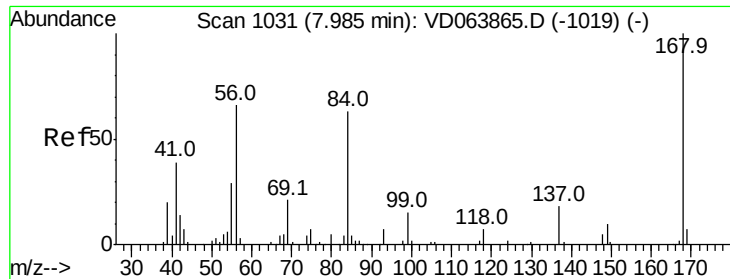
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100719\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	72373	21.266	ug/l	96
94) Hexachlorobutadiene	15.27	225	38410	20.452	ug/l	94
95) Naphthalene	15.40	128	122147	21.354	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	62051	21.133	ug/l	99

(#) = 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: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

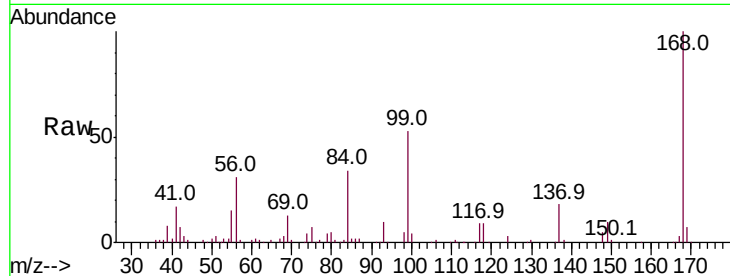
ClientSampleId :

Tot Ion:168 Resp: 183089

Ion Ratio Lower Upper

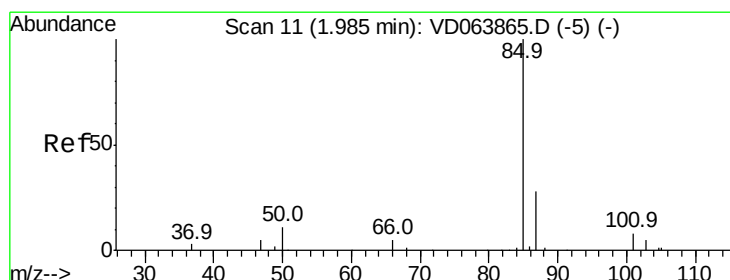
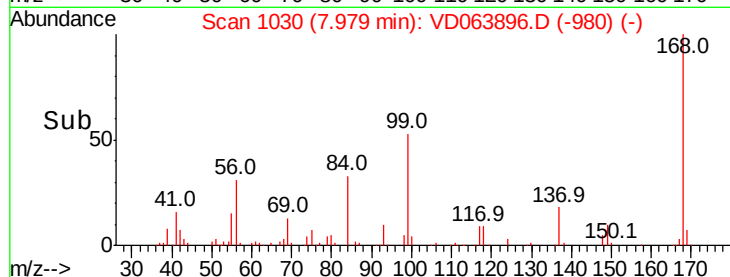
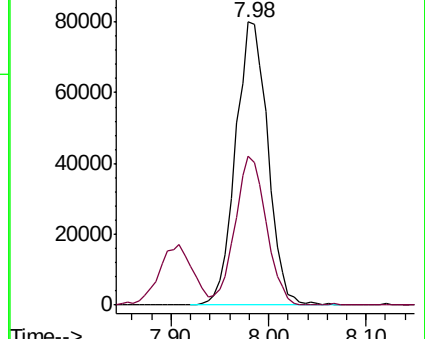
168 100

99 52.9 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.169 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063896.D

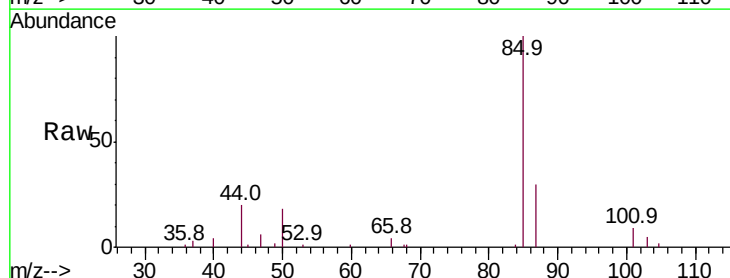
Acq: 07 Oct 2019 12:49

Tgt Ion: 85 Resp: 27486

Ion Ratio Lower Upper

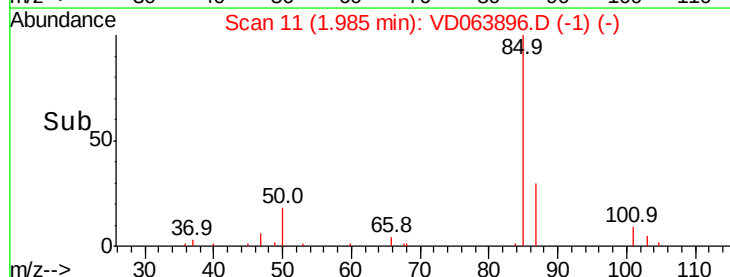
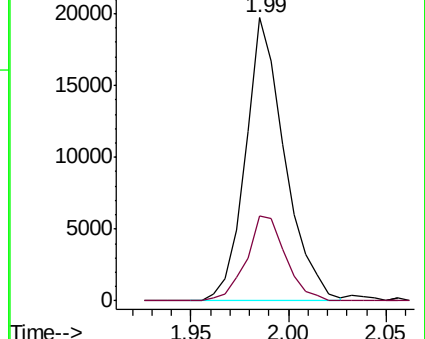
85 100

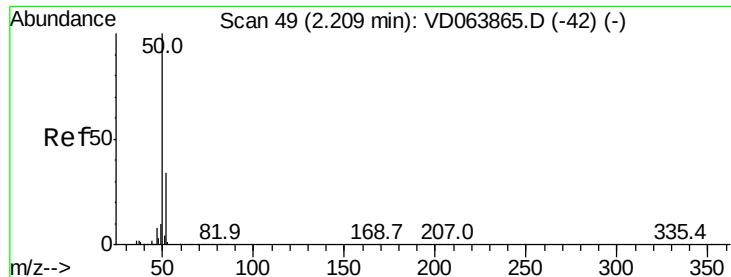
87 30.1 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.406 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

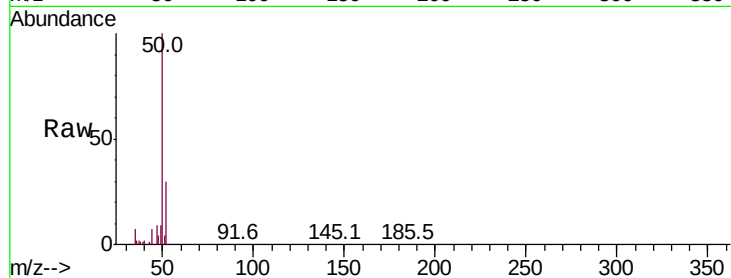
ClientSampleId :

Tot Ion: 50 Resp: 83864

Ion Ratio Lower Upper

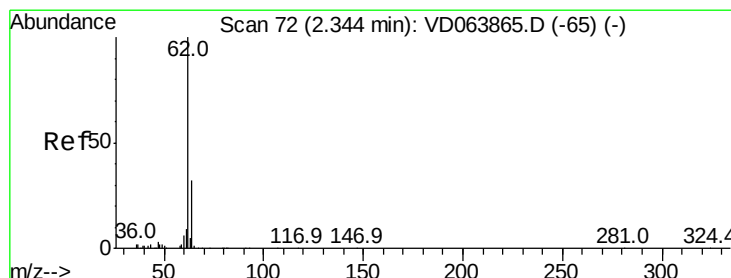
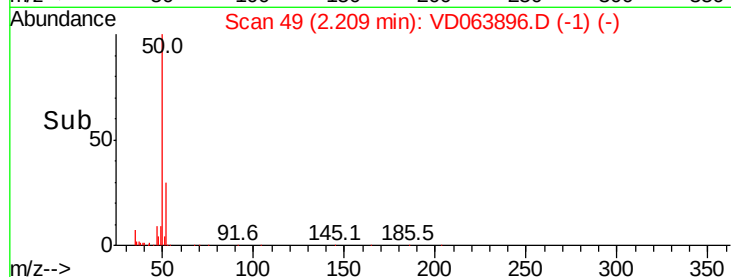
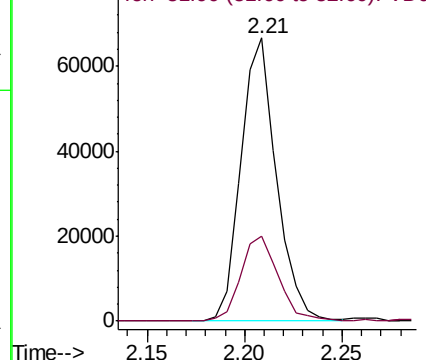
50 100

52 30.1 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.259 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063896.D

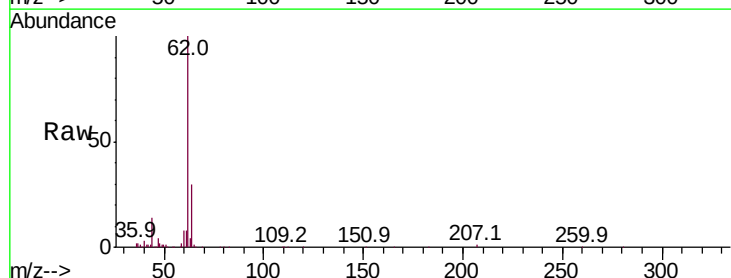
Acq: 07 Oct 2019 12:49

Tgt Ion: 62 Resp: 93410

Ion Ratio Lower Upper

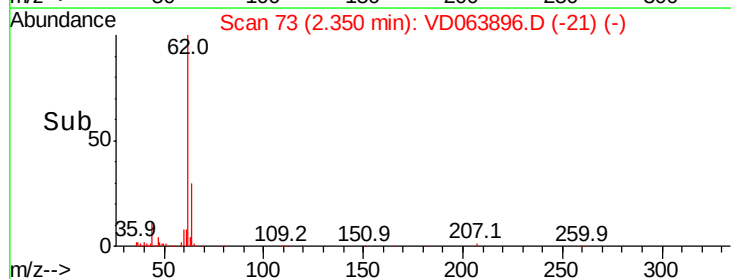
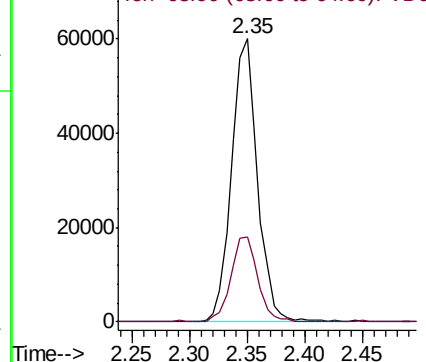
62 100

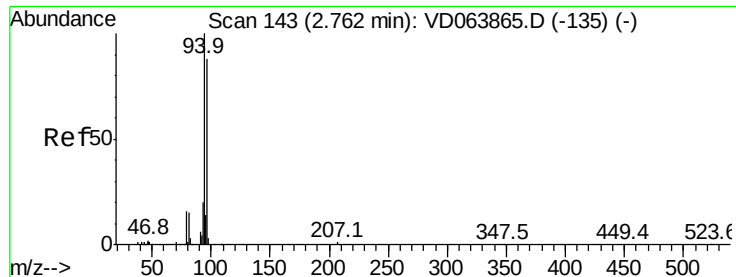
64 30.0 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.587 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

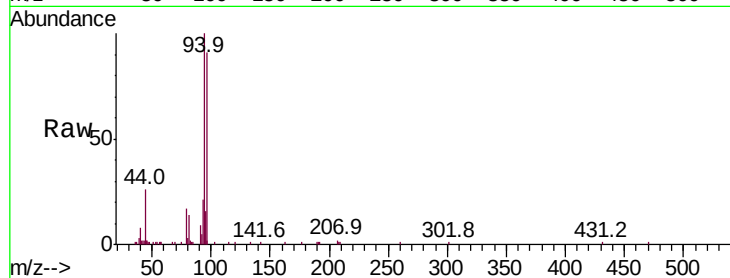
ClientSampled :

Tot Ion: 94 Resp: 55542

Ion Ratio Lower Upper

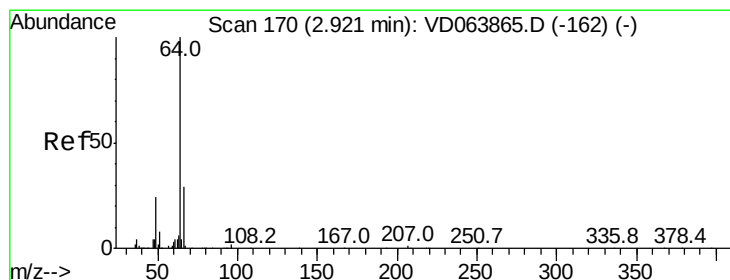
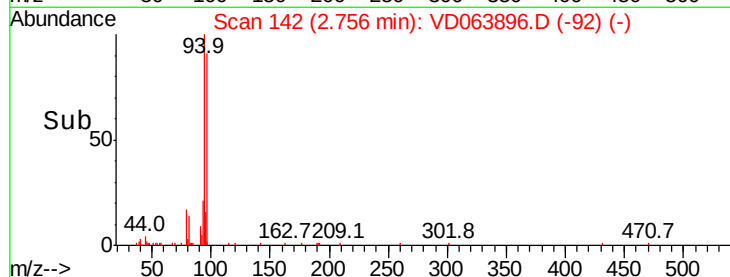
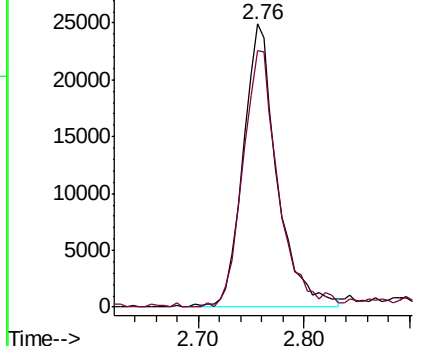
94 100

96 90.5 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.489 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD063896.D

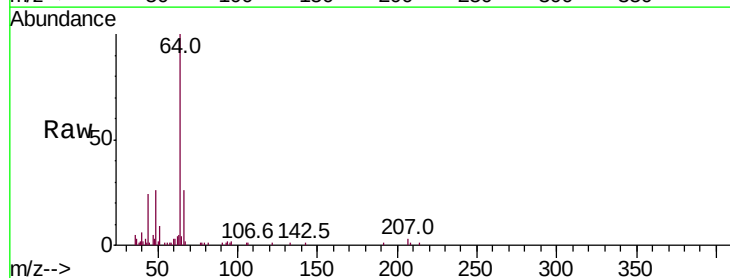
Acq: 07 Oct 2019 12:49

Tgt Ion: 64 Resp: 59639

Ion Ratio Lower Upper

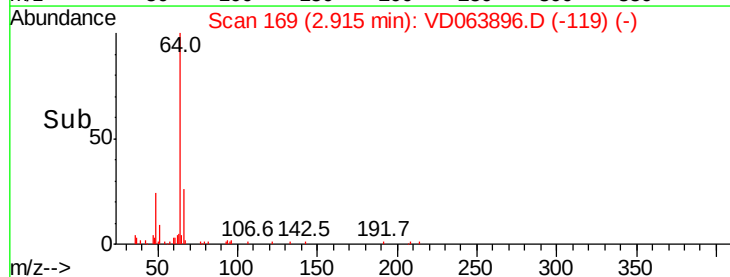
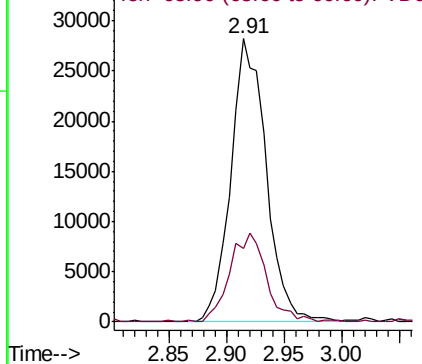
64 100

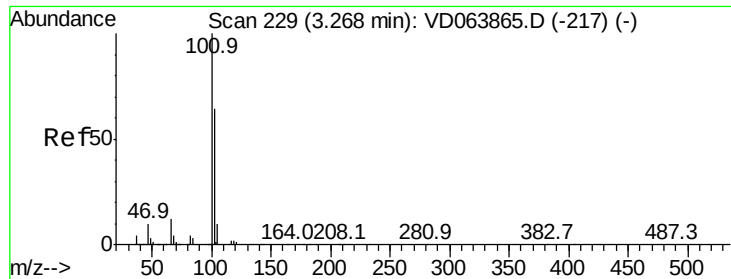
66 25.5 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



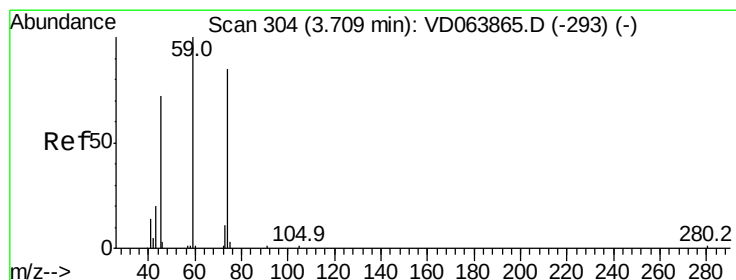
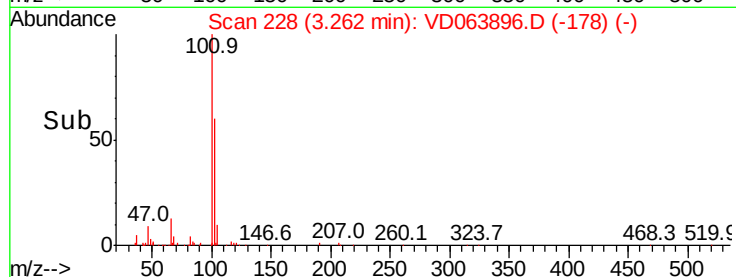
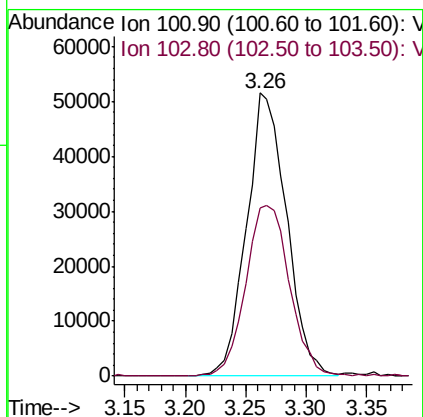
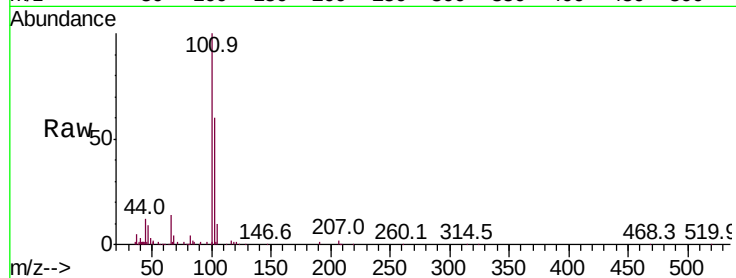


#7

Trichlorofluoromethane
Concen: 21.381 ug/l
RT: 3.26 min Scan# 228
Delta R.T. -0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Instrument :
MSVOA_D
ClientSampled :

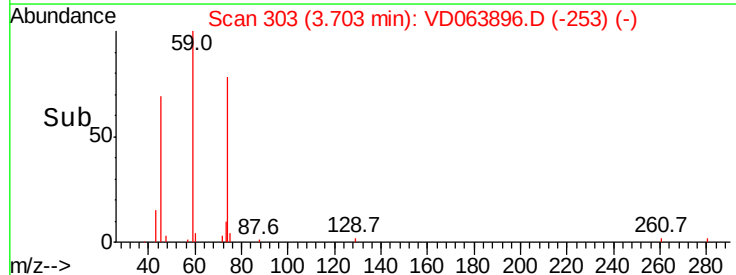
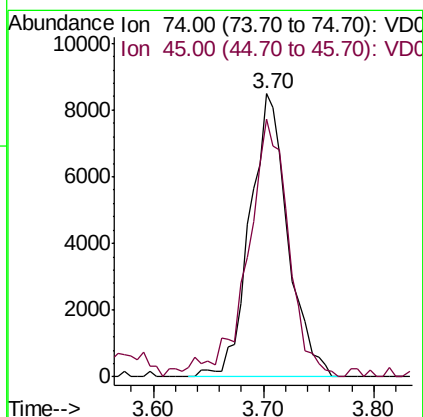
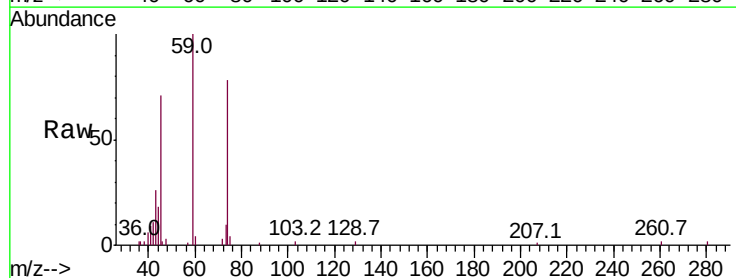
Tot Ion:101 Resp: 118629
Ion Ratio Lower Upper
101 100
103 59.5 51.1 76.7

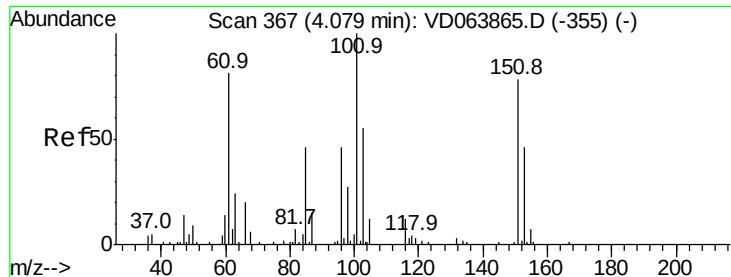


#8

Diethyl Ether
Concen: 22.953 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion: 74 Resp: 20441
Ion Ratio Lower Upper
74 100
45 96.1 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.302 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.02 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

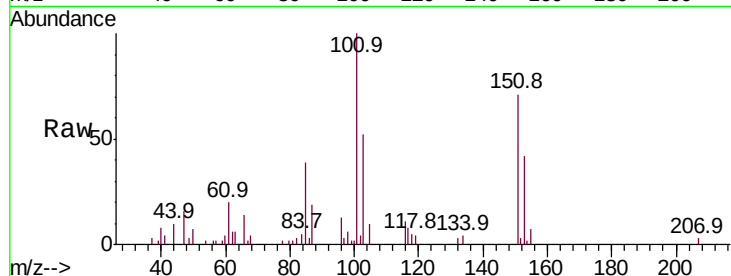
Tot Ion:101 Resp: 32717

Ion Ratio Lower Upper

101 100

85 48.8 37.5 56.3

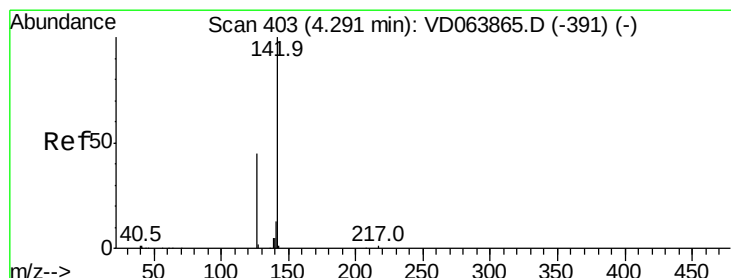
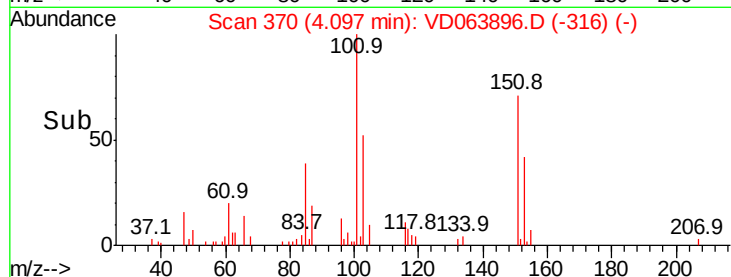
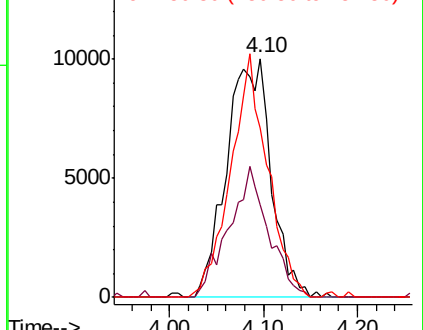
151 84.8 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.085 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

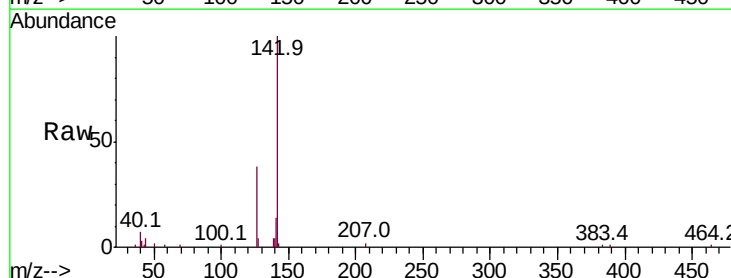
Tgt Ion:142 Resp: 44622

Ion Ratio Lower Upper

142 100

127 43.0 35.3 52.9

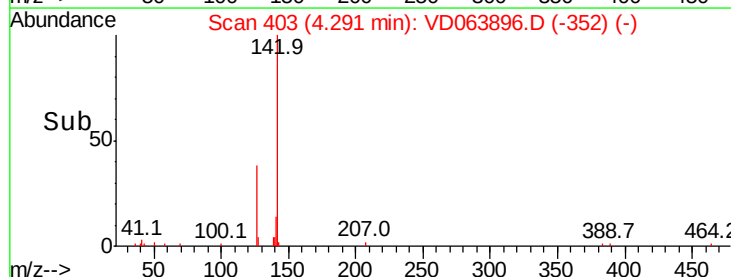
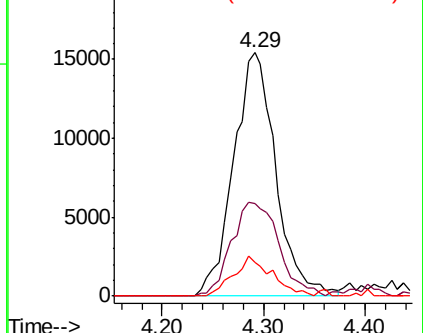
141 14.8 12.2 18.2

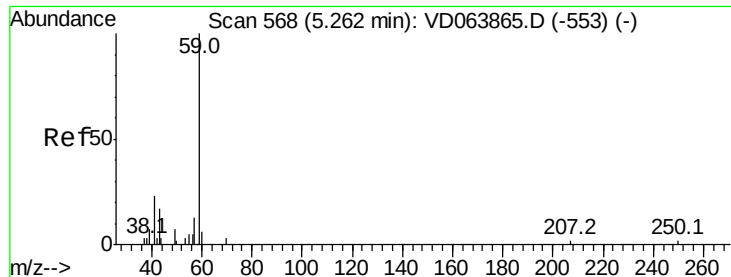


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

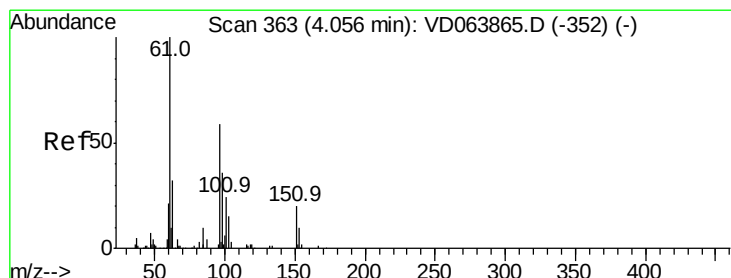
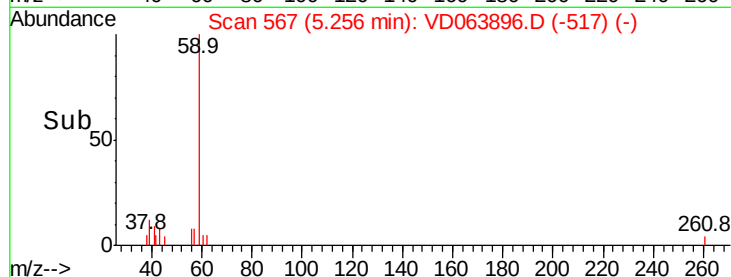
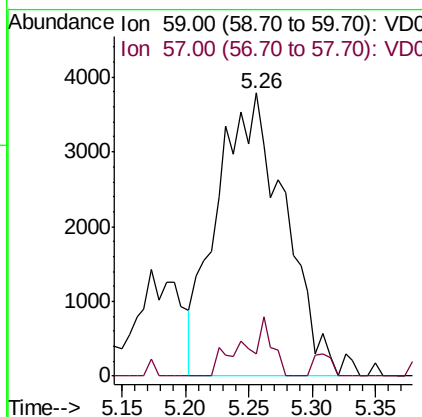
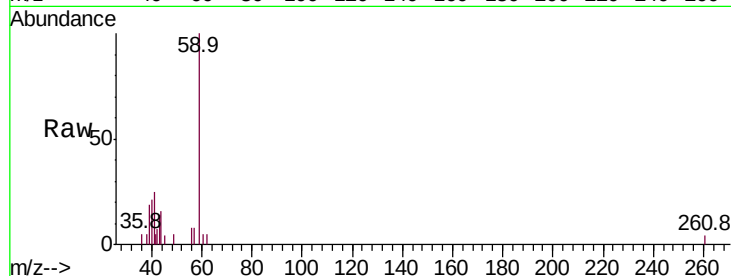




#11
Tert butyl alcohol
Concen: 108.340 ug/l
RT: 5.26 min Scan# 567
Delta R.T. -0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

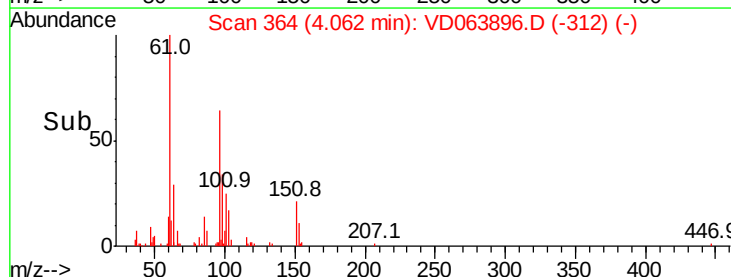
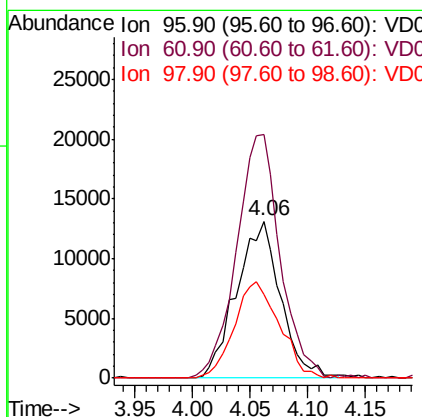
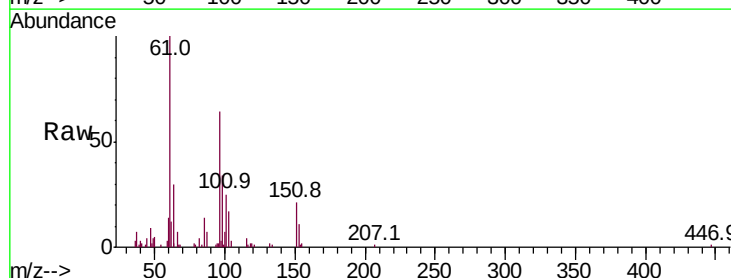
Instrument :
MSVOA_D
ClientSampleId :

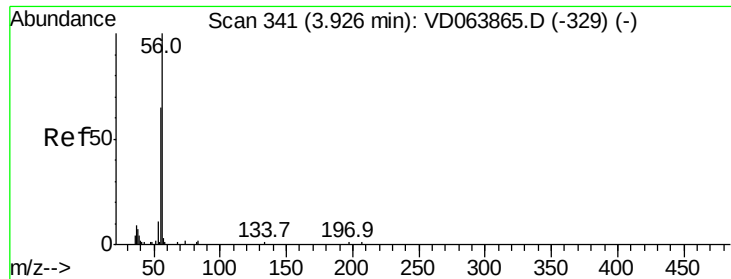
Tot Ion: 59 Resp: 13979
Ion Ratio Lower Upper
59 100
57 9.0 8.8 13.2



#12
1,1-Dichloroethene
Concen: 22.828 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion: 96 Resp: 35028
Ion Ratio Lower Upper
96 100
61 155.1 135.6 203.4
98 53.2 49.2 73.8

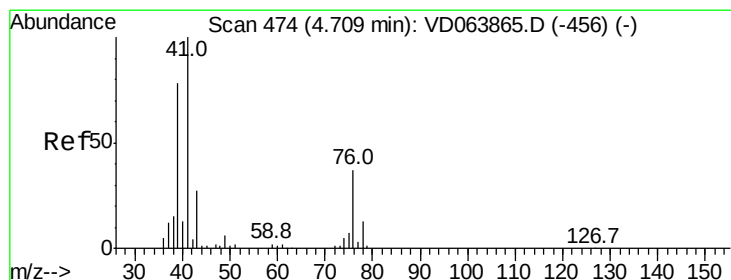
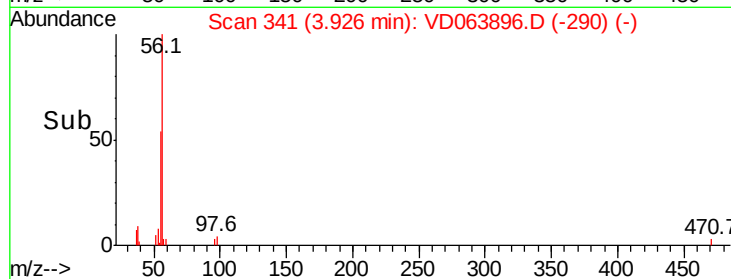
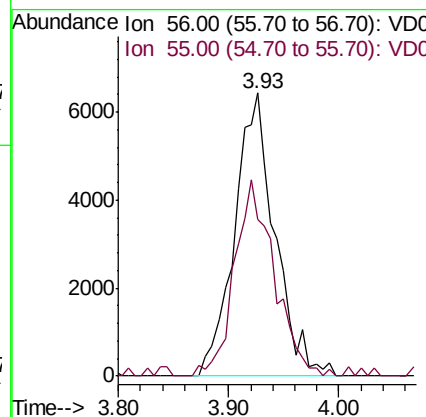
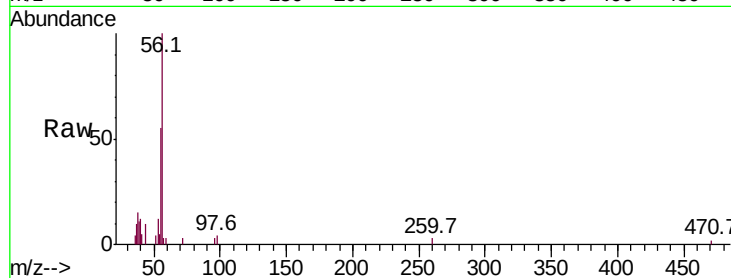




#13
Acrolein
Concen: 103.302 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

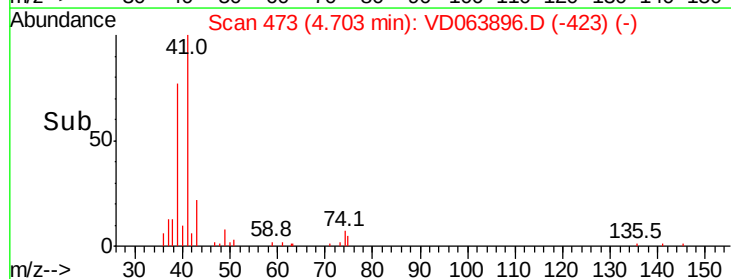
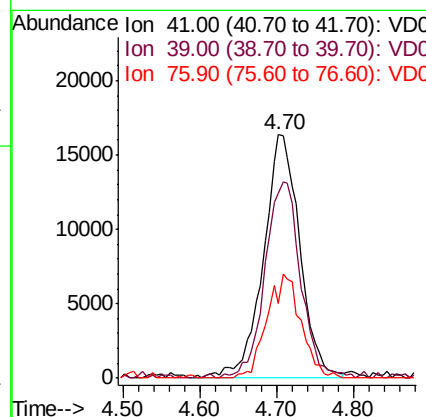
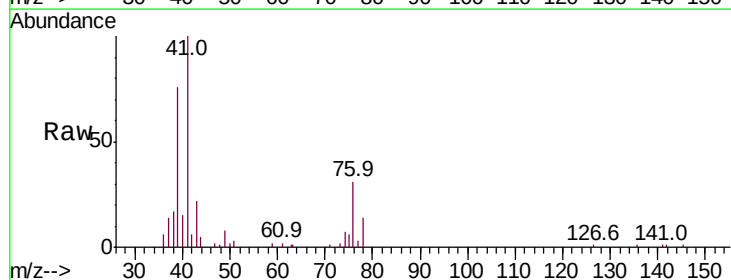
Instrument :
MSVOA_D
ClientSampleId :

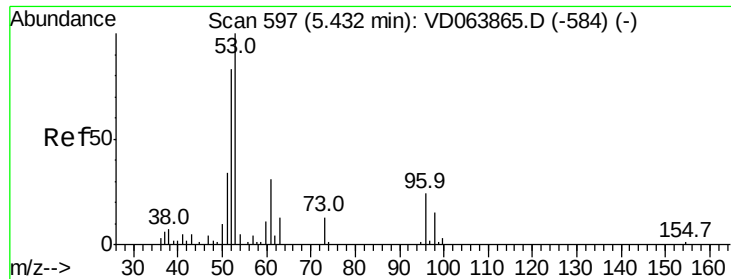
Tot Ion: 56 Resp: 16446
Ion Ratio Lower Upper
56 100
55 68.5 53.0 79.6



#14
Allyl chloride
Concen: 21.154 ug/l
RT: 4.70 min Scan# 473
Delta R.T. -0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion: 41 Resp: 53967
Ion Ratio Lower Upper
41 100
39 79.2 61.8 92.6
76 39.8 31.3 46.9





#15

Acrylonitrile

Concen: 118.848 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

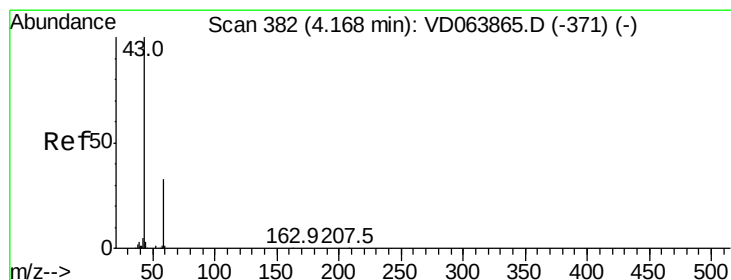
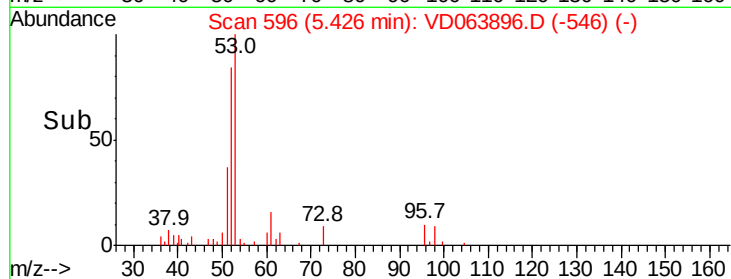
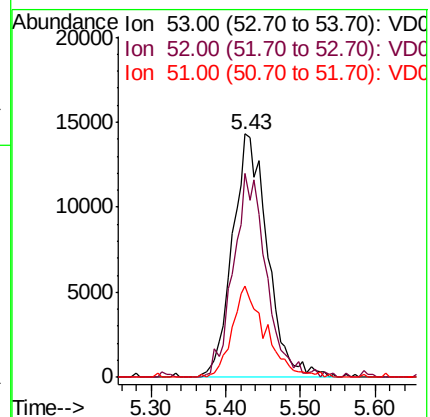
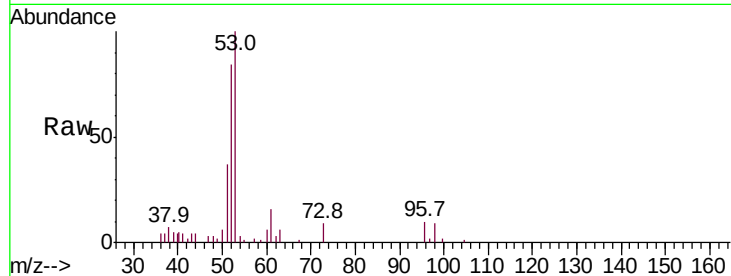
Tot Ion: 53 Resp: 46664

Ion Ratio Lower Upper

53 100

52 77.7 67.3 100.9

51 36.1 30.5 45.7



#16

Acetone

Concen: 101.238 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD063896.D

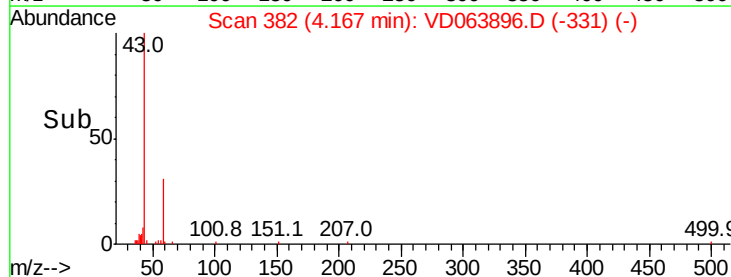
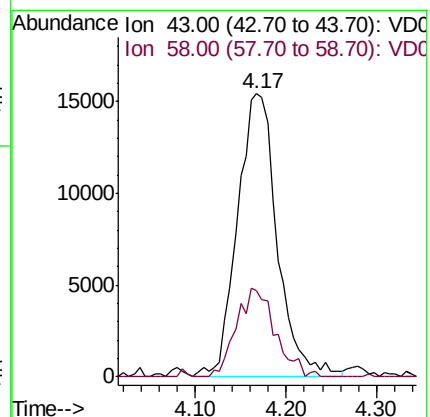
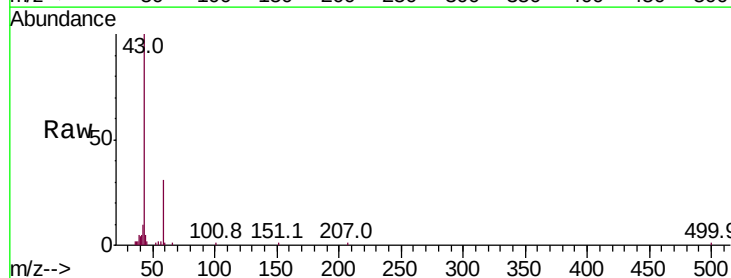
Acq: 07 Oct 2019 12:49

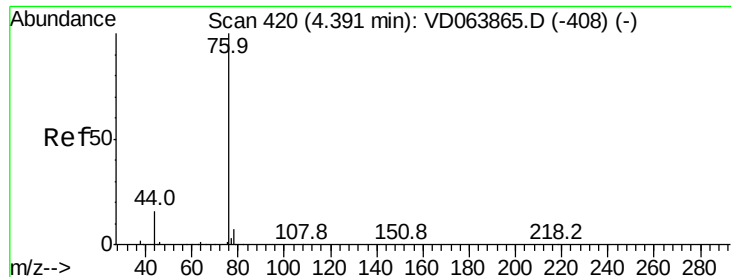
Tgt Ion: 43 Resp: 46983

Ion Ratio Lower Upper

43 100

58 30.7 26.2 39.4

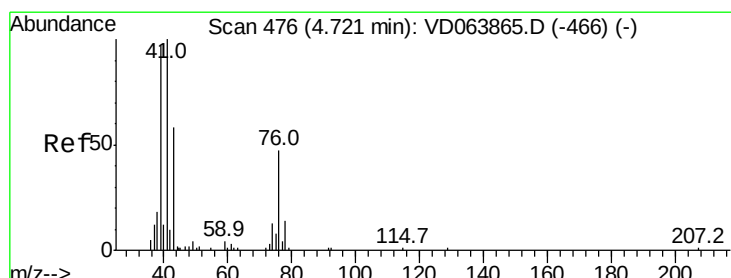
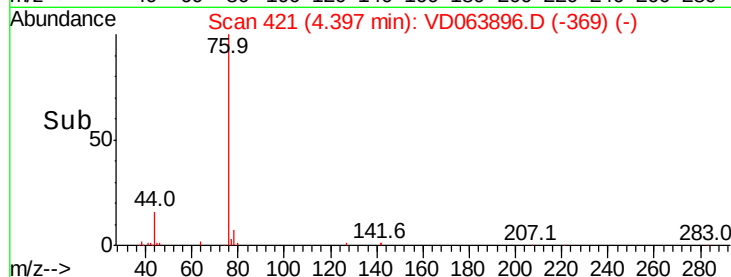
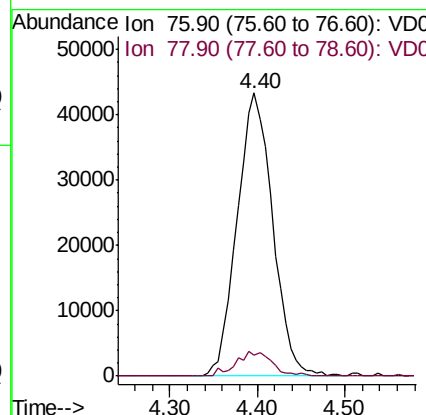
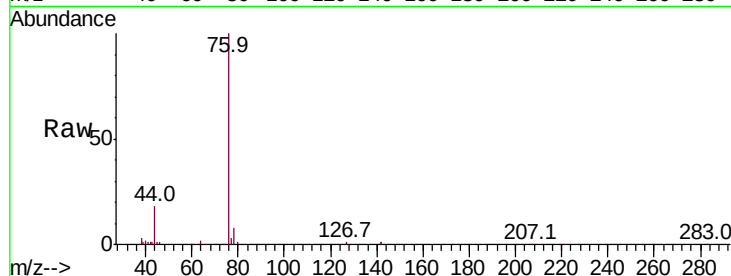




#17
Carbon Disulfide
Concen: 21.404 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

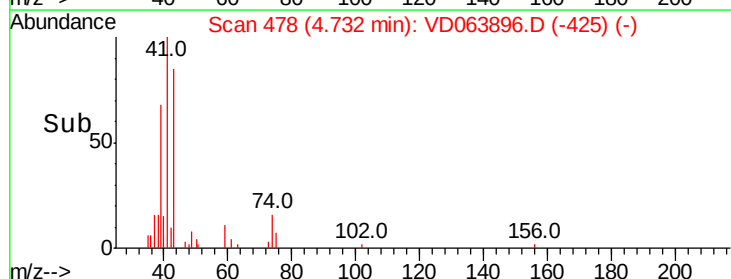
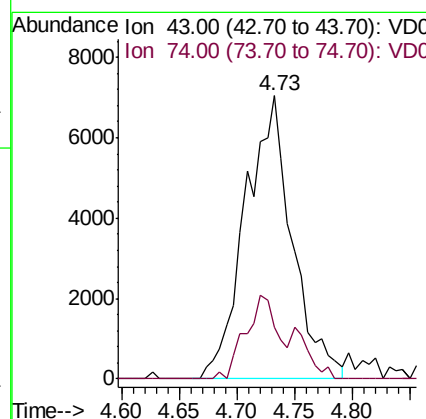
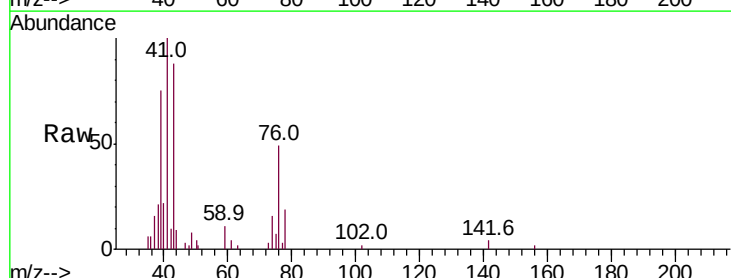
Instrument :
MSVOA_D
ClientSampleId :

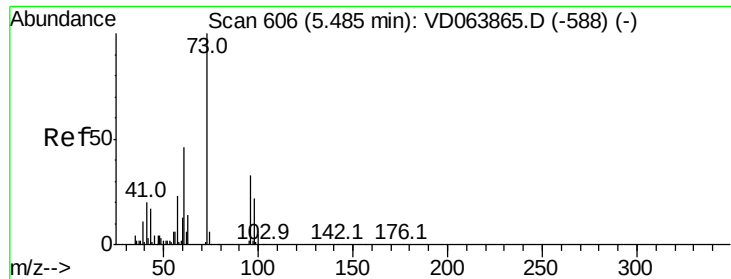
Tot Ion: 76 Resp: 119390
Ion Ratio Lower Upper
76 100
78 7.6 5.8 8.8



#18
Methyl Acetate
Concen: 21.962 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion: 43 Resp: 19935
Ion Ratio Lower Upper
43 100
74 20.3 20.8 31.2#

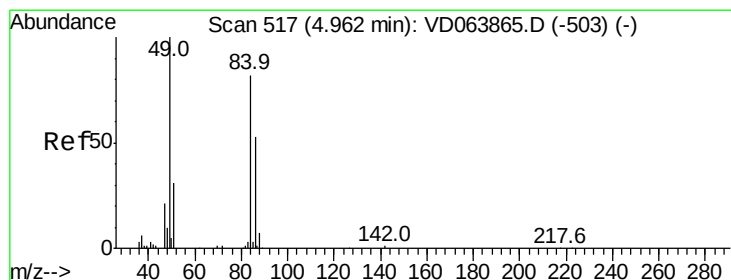
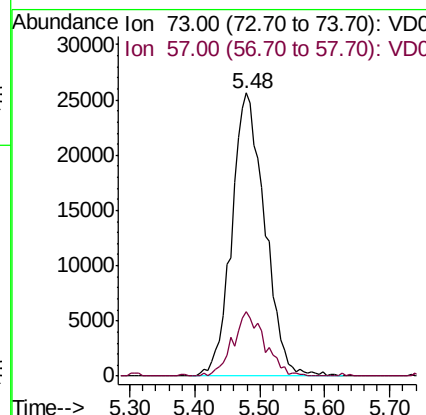
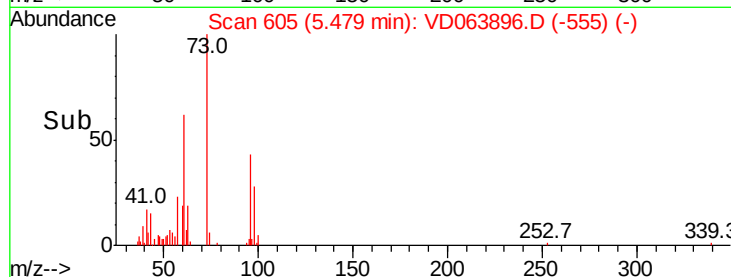
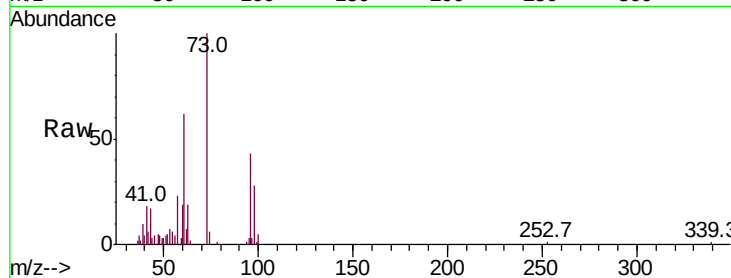




#19
Methyl tert-butyl Ether
Concen: 22.623 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

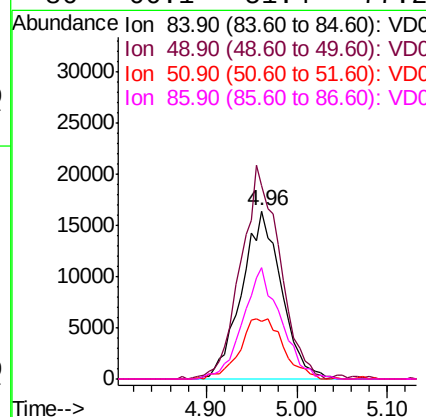
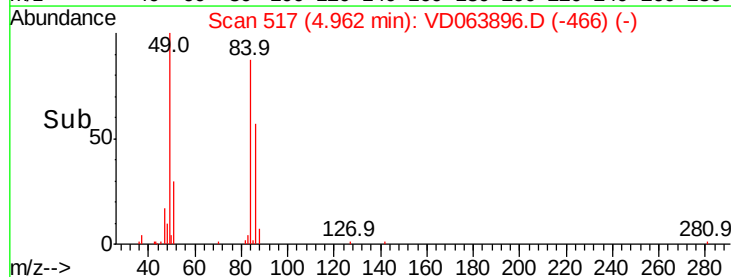
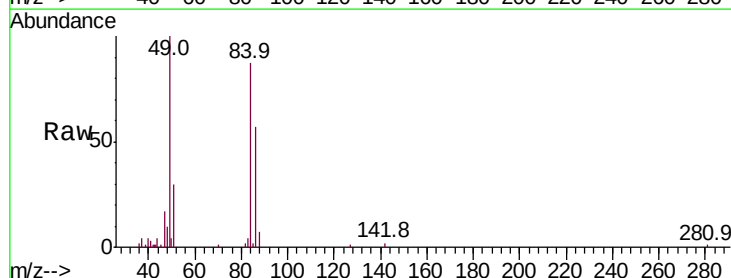
Instrument :
MSVOA_D
ClientSampleId :

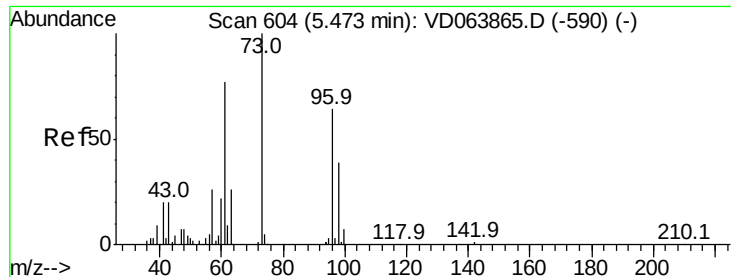
Tot Ion: 73 Resp: 89889
Ion Ratio Lower Upper
73 100
57 23.0 18.1 27.1



#20
Methylene Chloride
Concen: 22.613 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion: 84 Resp: 49959
Ion Ratio Lower Upper
84 100
49 114.3 97.3 145.9
51 34.3 30.1 45.1
86 66.1 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 21.565 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :
MSVOA_D
ClientSampled :

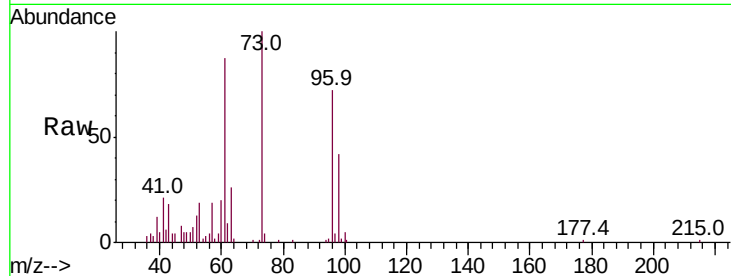
Tot Ion: 96 Resp: 41194

Ion Ratio Lower Upper

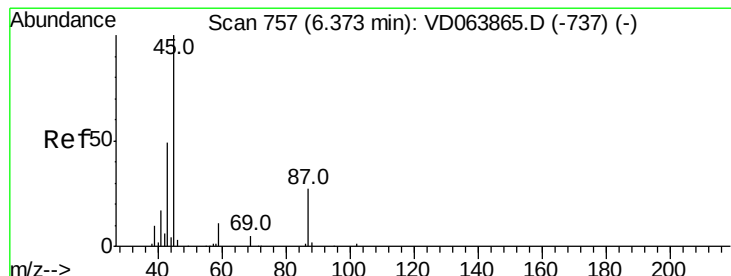
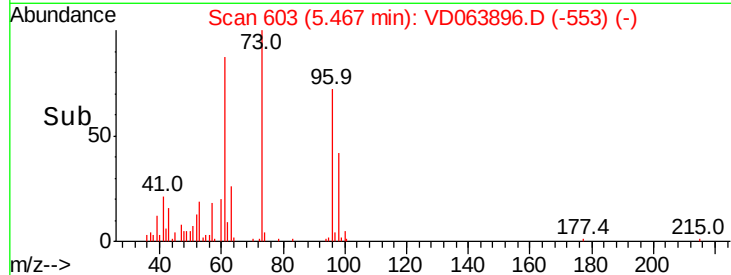
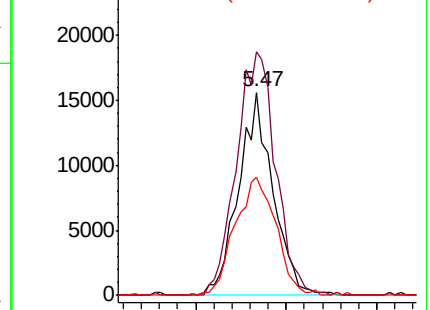
96 100

61 119.9 96.6 145.0

98 58.5 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: 21.990 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Tgt Ion: 45 Resp: 114573

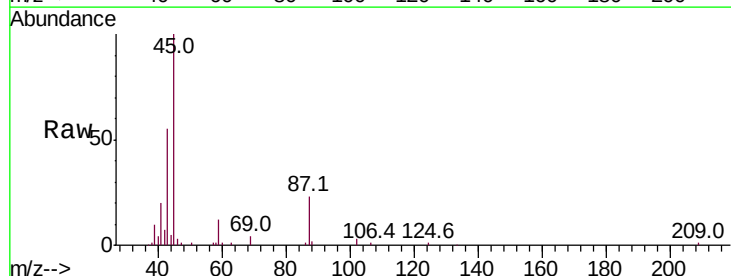
Ion Ratio Lower Upper

45 100

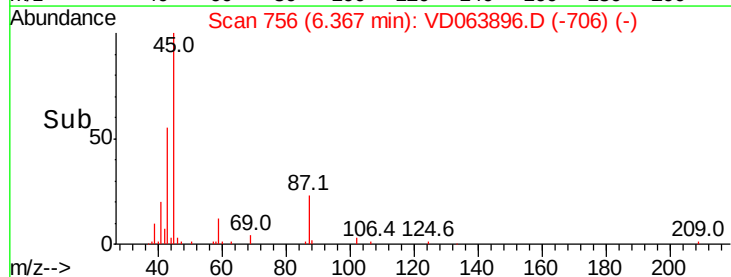
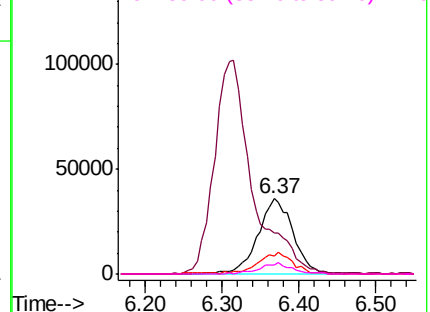
43 53.5 41.2 61.8

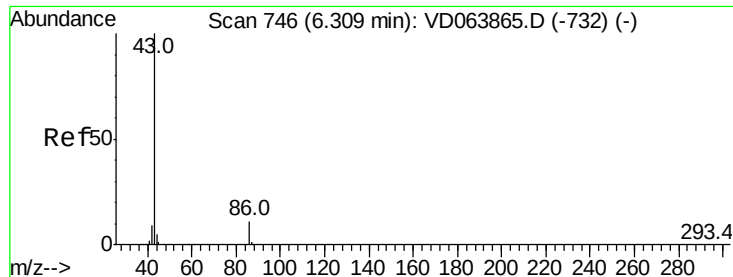
87 23.4 22.2 33.4

59 12.4 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: 112.897 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

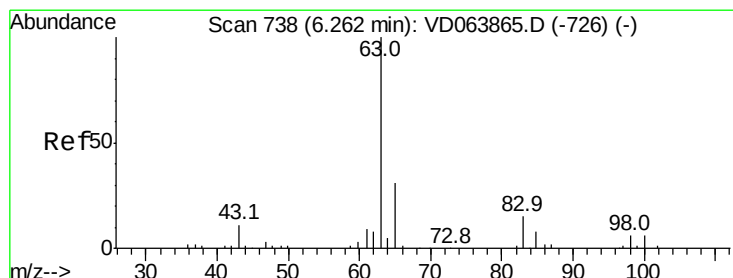
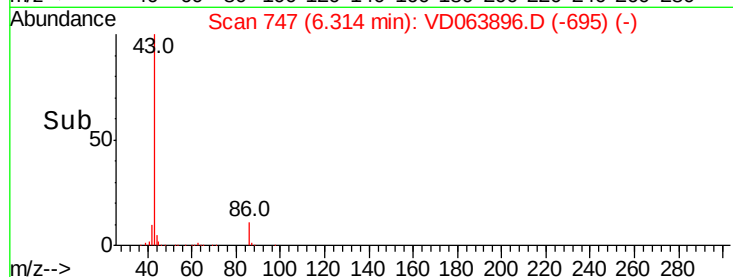
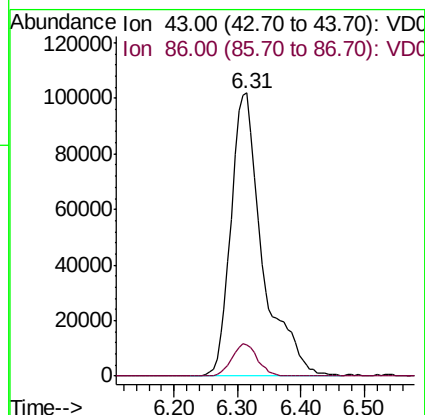
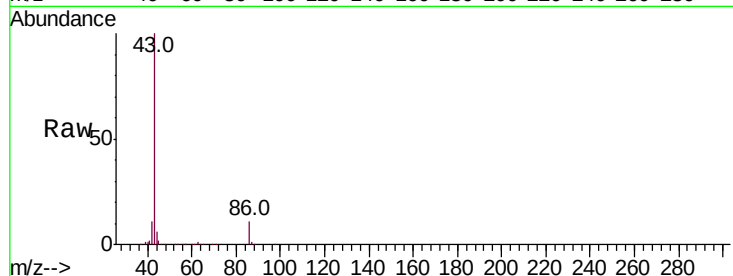
ClientSampled :

Tot Ion: 43 Resp: 349918

Ion Ratio Lower Upper

43 100

86 10.8 8.8 13.2



#24

1,1-Dichloroethane

Concen: 21.692 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

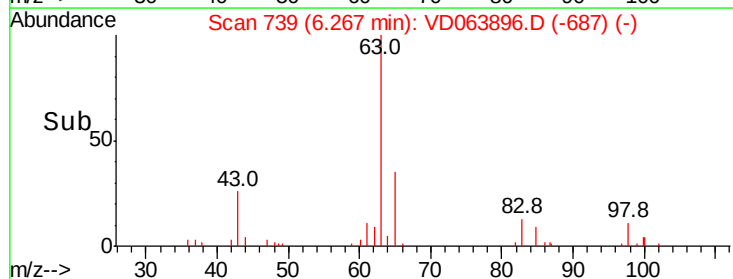
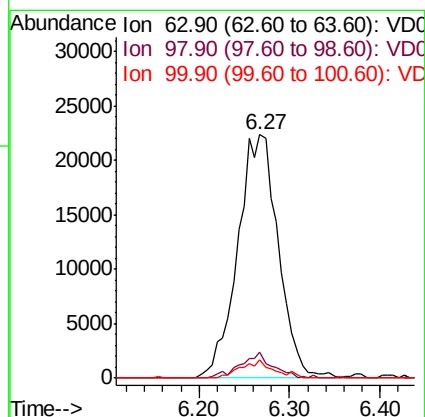
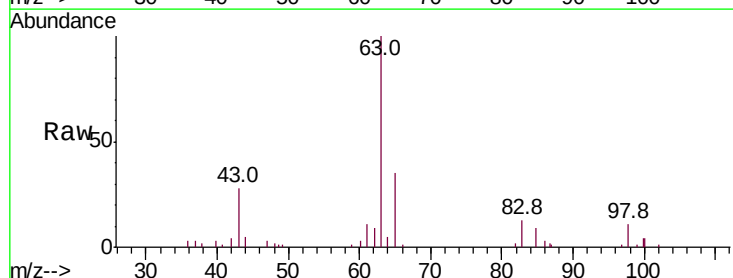
Tgt Ion: 63 Resp: 69614

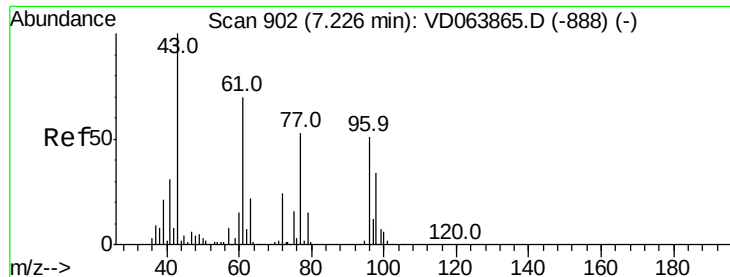
Ion Ratio Lower Upper

63 100

98 10.8 3.1 9.4#

100 7.3 3.0 9.2





#25

2-Butanone

Concen: 109.291 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

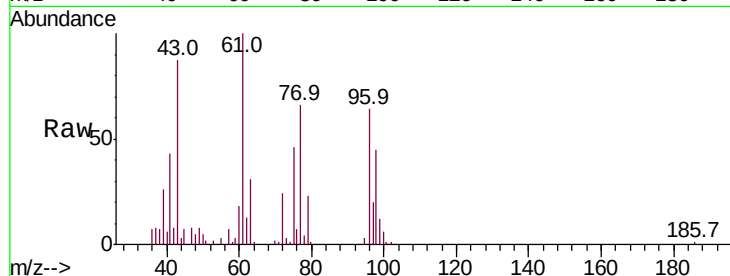
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 60109

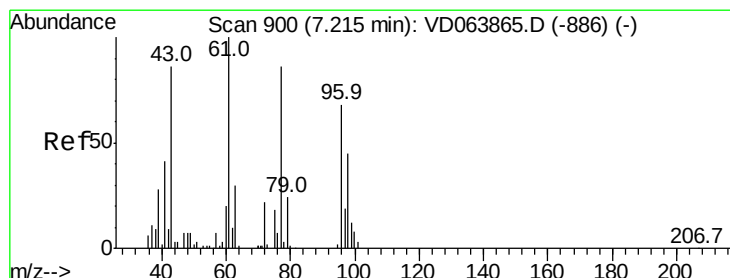
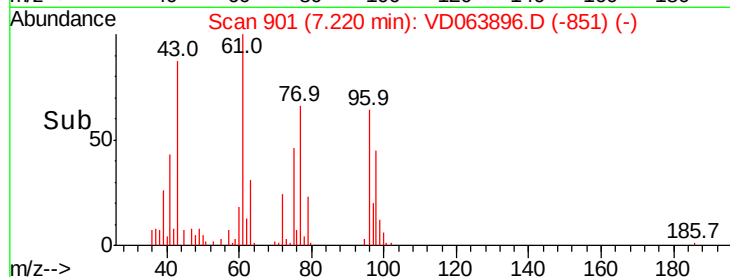
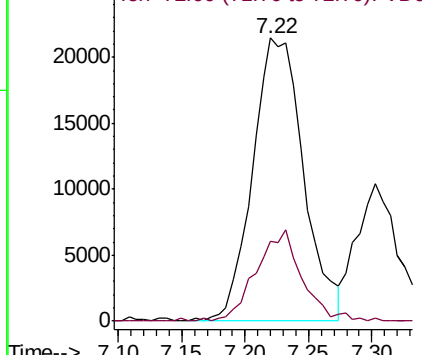
Ion Ratio Lower Upper

43 100

72 28.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.211 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063896.D

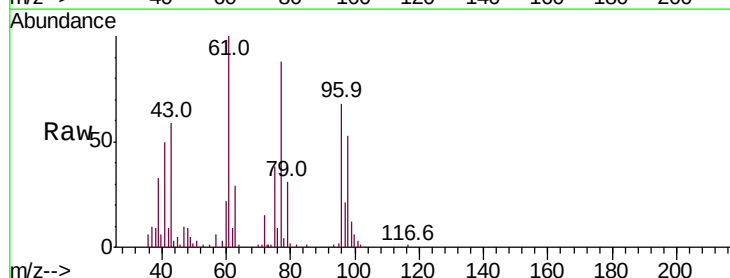
Acq: 07 Oct 2019 12:49

Tgt Ion: 77 Resp: 61576

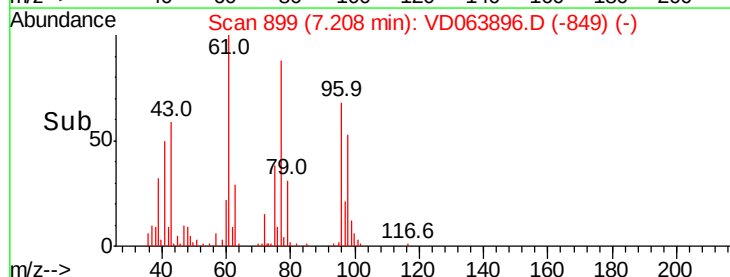
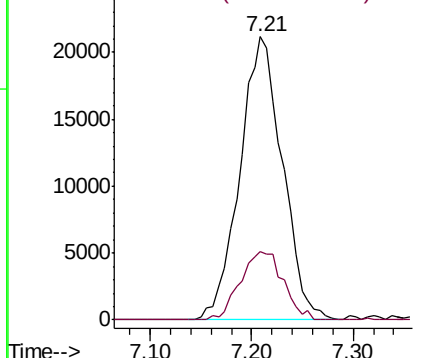
Ion Ratio Lower Upper

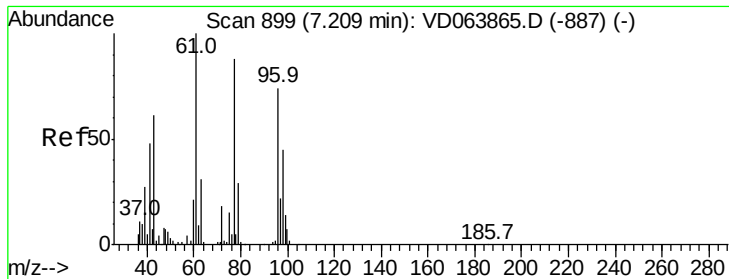
77 100

97 24.3 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



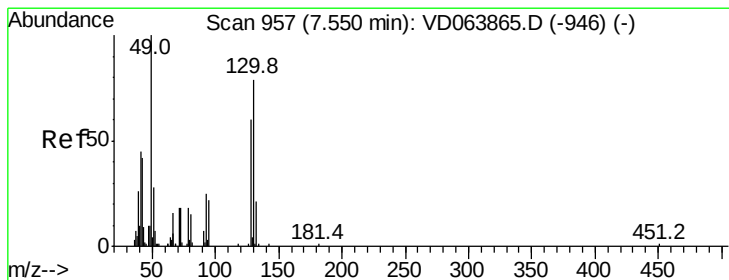
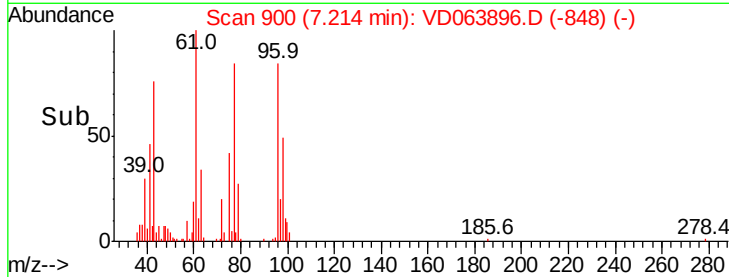
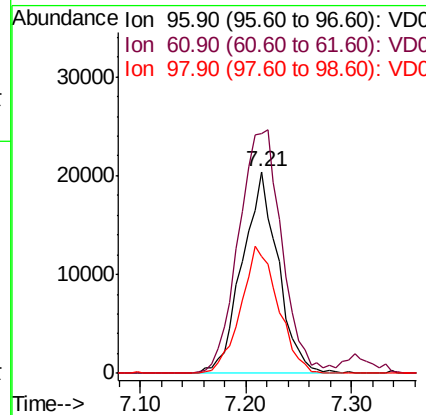
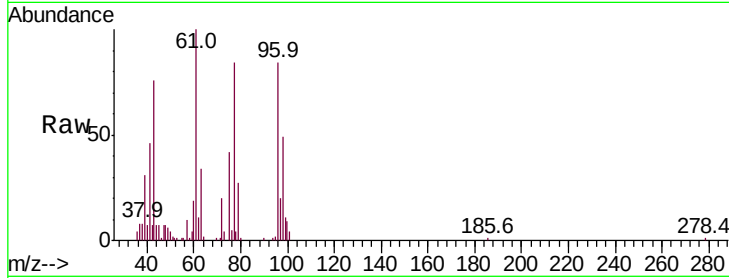


#27

cis-1,2-Dichloroethene
 Concen: 22.140 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :

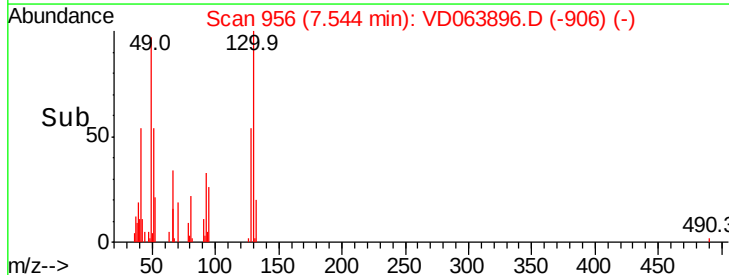
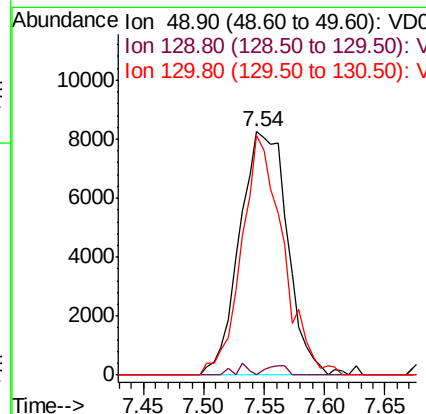
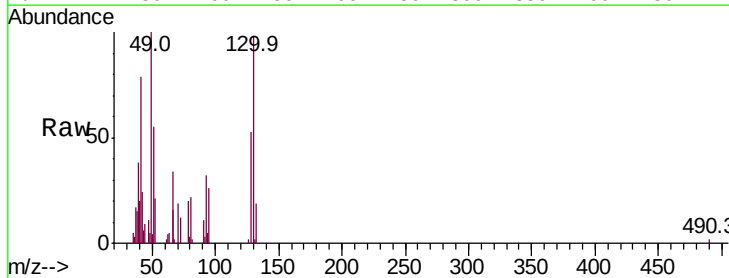
Tot Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	280.0
98	65.7	0.0	130.4

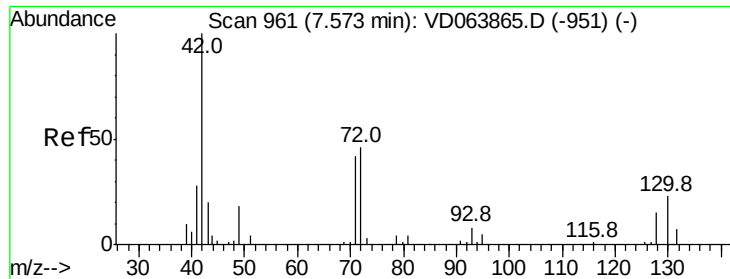


#28

Bromochloromethane
 Concen: 19.833 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	5.6
130	85.3	66.8	100.2





#29

Tetrahydrofuran

Concen: 111.747 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

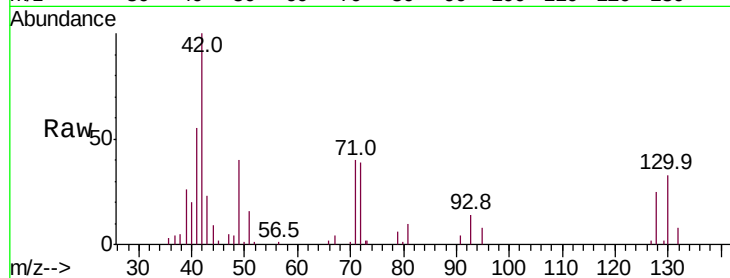
Tot Ion: 42 Resp: 35873

Ion Ratio Lower Upper

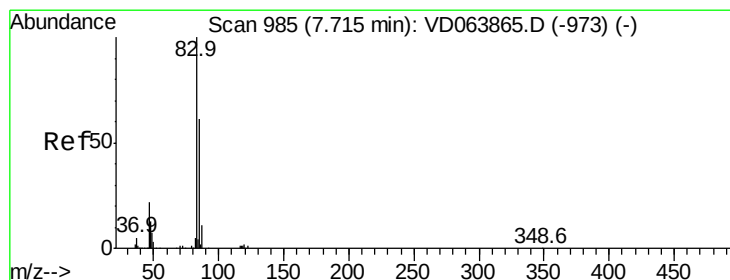
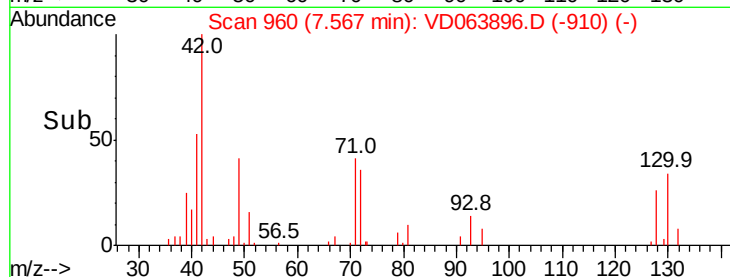
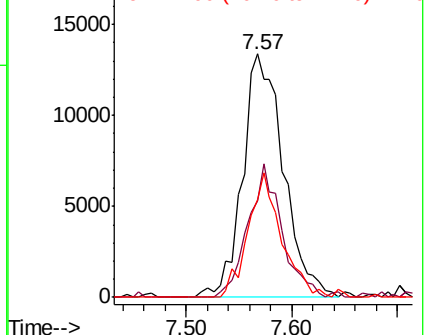
42 100

72 45.6 37.6 56.4

71 42.1 35.0 52.6



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.772 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD063896.D

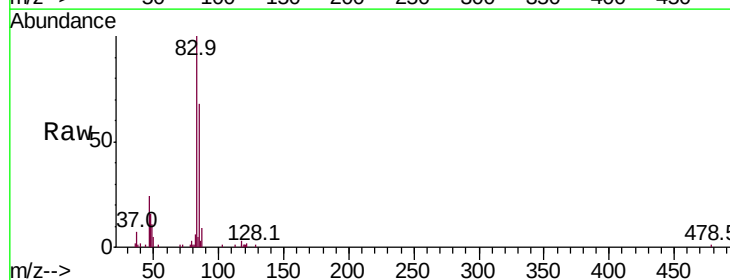
Acq: 07 Oct 2019 12:49

Tgt Ion: 83 Resp: 72405

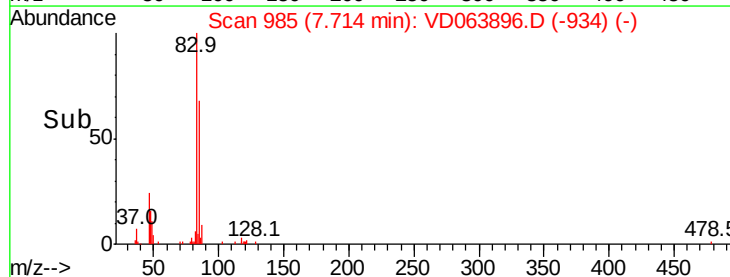
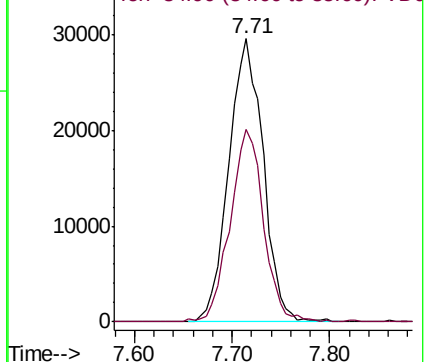
Ion Ratio Lower Upper

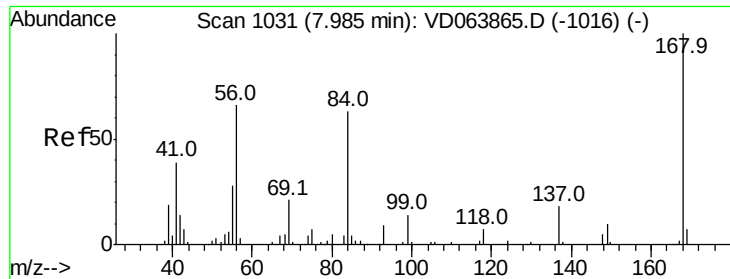
83 100

85 67.9 48.9 73.3



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

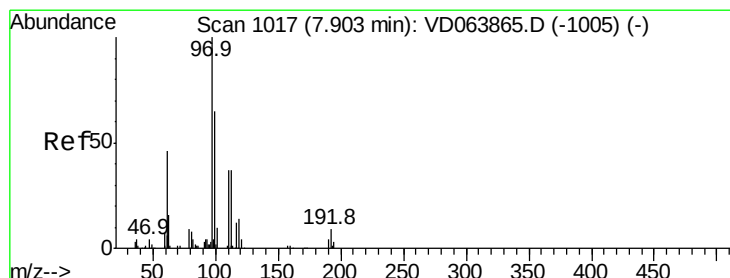
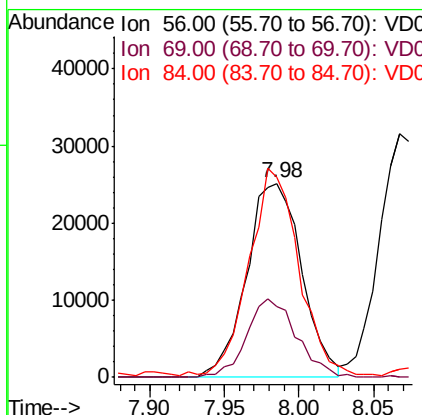
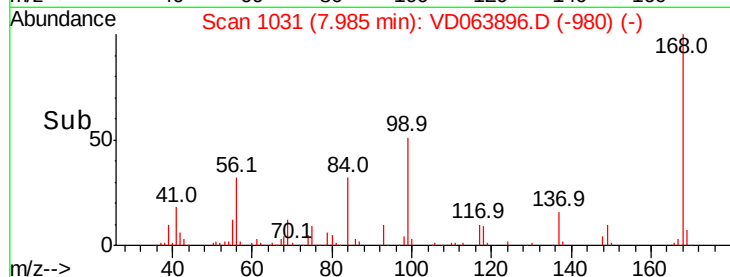
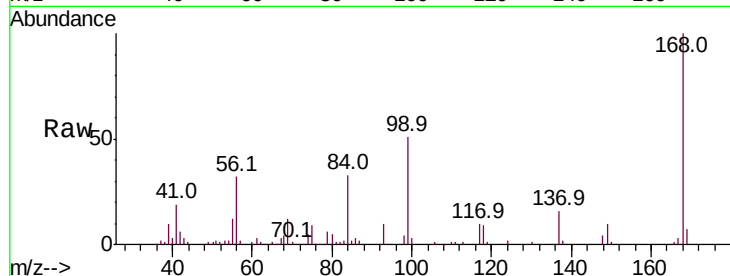




#31
Cyclohexane
Concen: 22.039 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

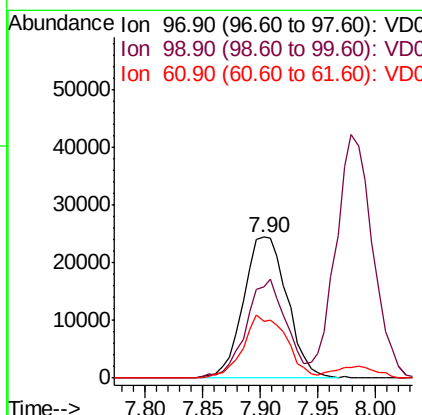
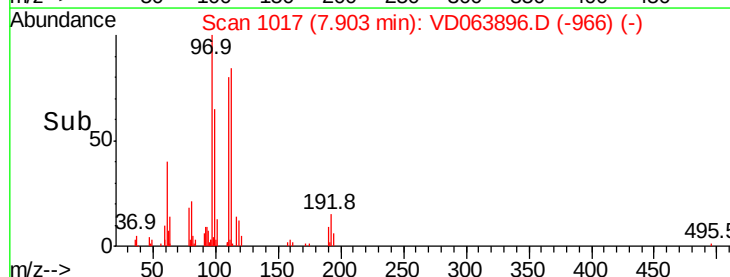
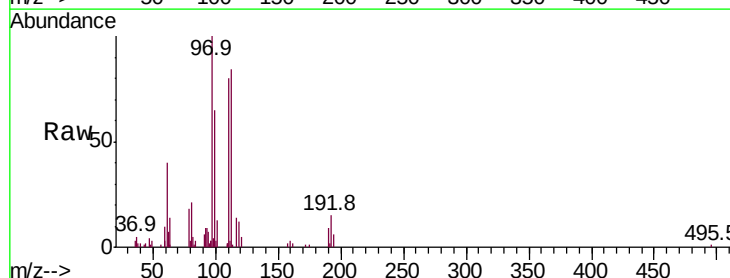
Instrument :
MSVOA_D
ClientSampleId :

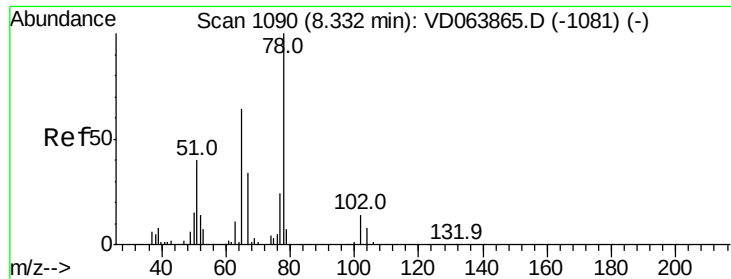
Tot Ion: 56 Resp: 64400
Ion Ratio Lower Upper
56 100
69 36.5 25.0 37.4
84 100.6 76.3 114.5



#32
1,1,1-Trichloroethane
Concen: 21.590 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion: 97 Resp: 64553
Ion Ratio Lower Upper
97 100
99 63.7 52.4 78.6
61 43.9 33.8 50.8

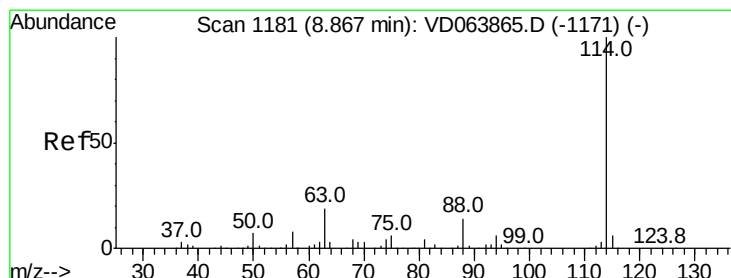
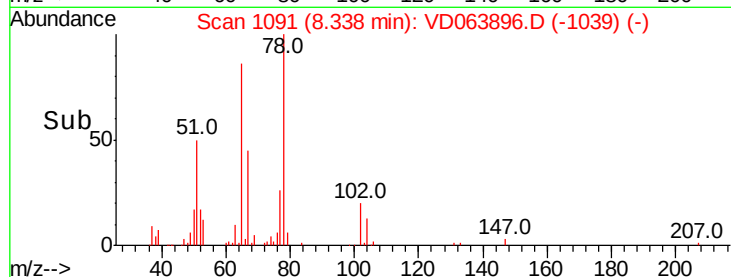
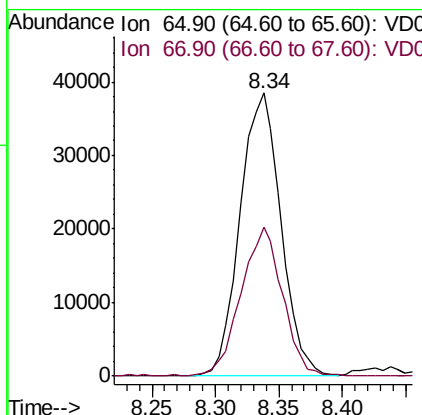
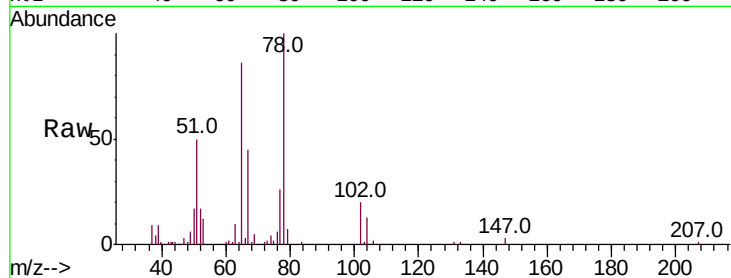




#33
 1,2-Dichloroethane-d4
 Concen: 48.269 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

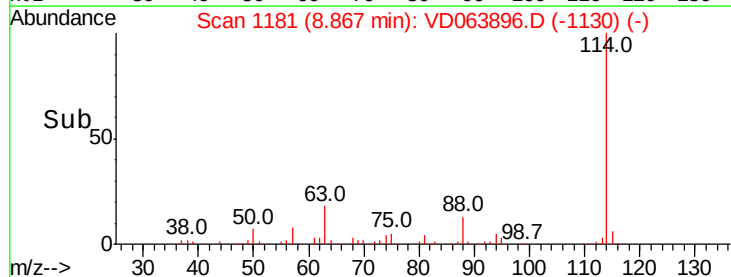
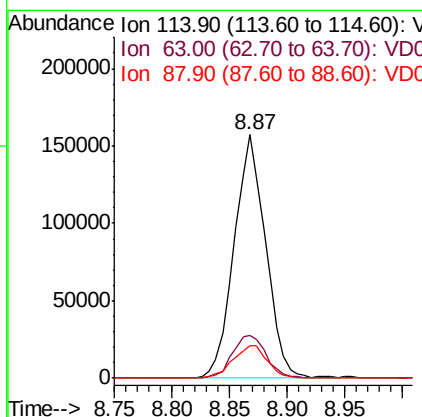
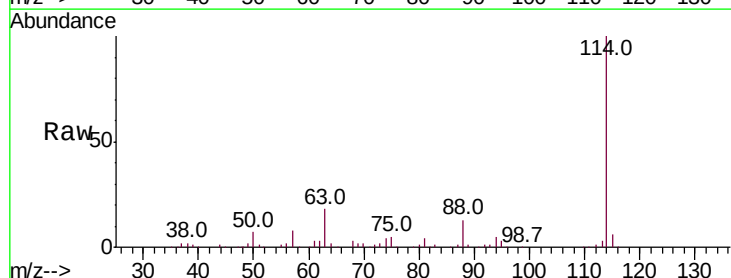
Instrument :
 MSVOA_D
 ClientSampleId :

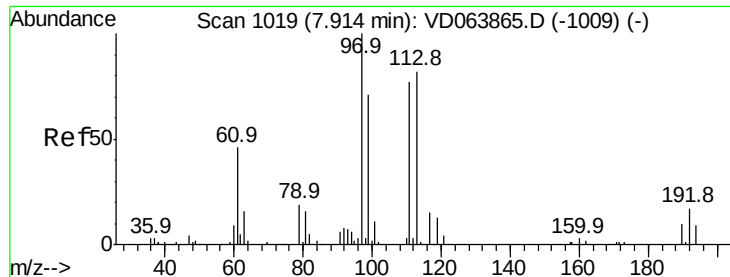
Tot Ion: 65 Resp: 86040
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Tgt Ion: 114 Resp: 297898
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 38.4
 88 13.4 0.0 27.4

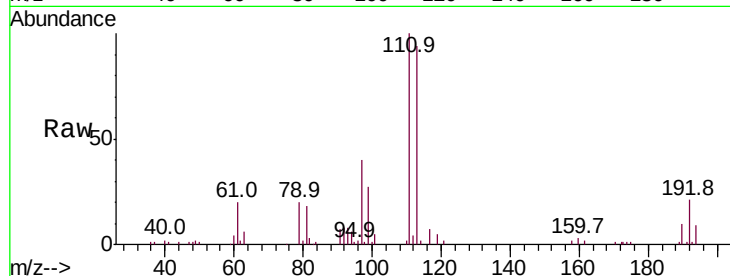




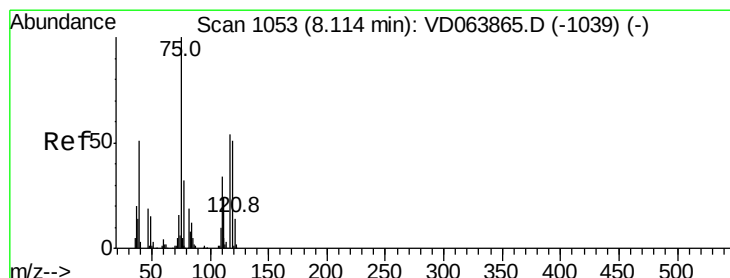
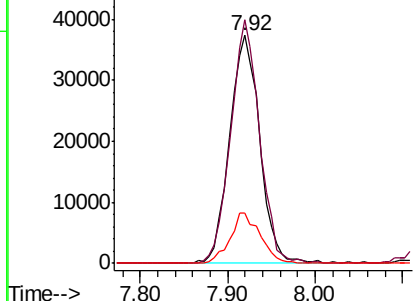
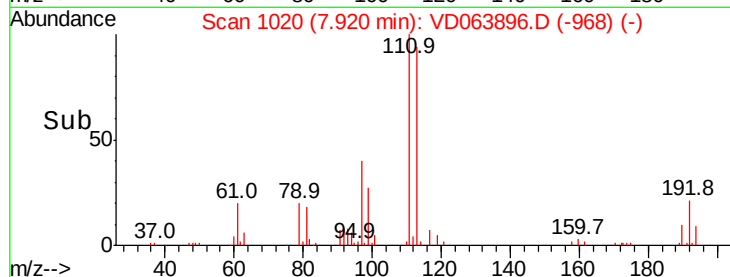
#35
 Dibromofluoromethane
 Concen: 47.882 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 87172
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.6 123.8
 192 22.0 17.1 25.7

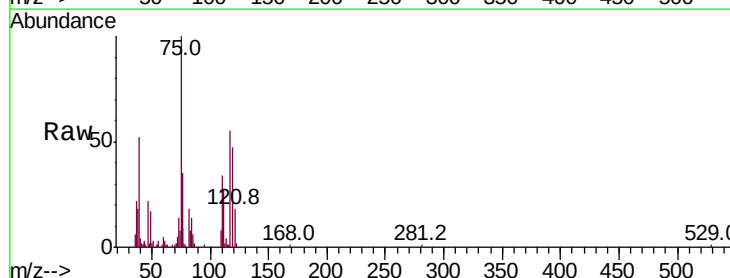


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

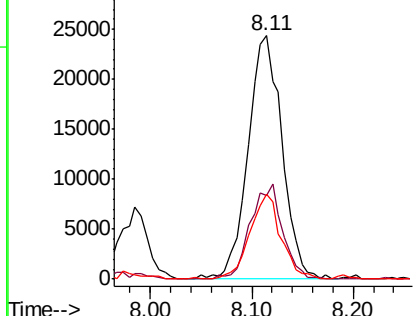
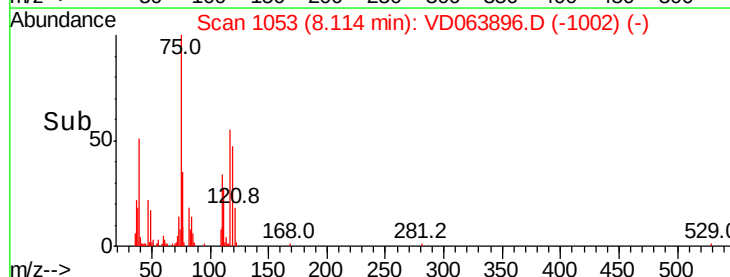


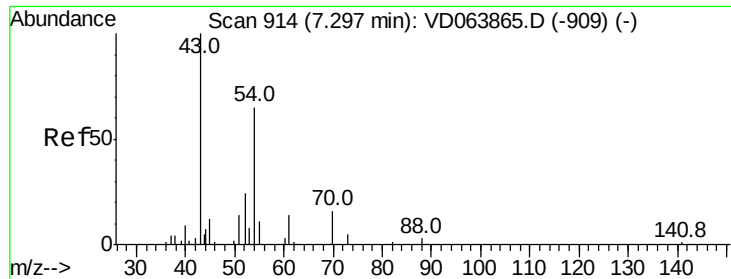
#36
 1,1-Dichloropropene
 Concen: 20.807 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Tgt Ion: 75 Resp: 56672
 Ion Ratio Lower Upper
 75 100
 110 36.9 17.4 52.3
 77 32.0 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

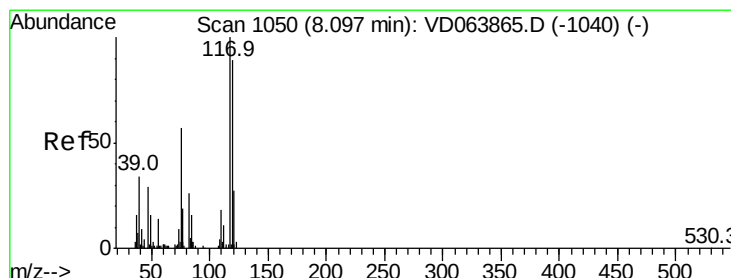
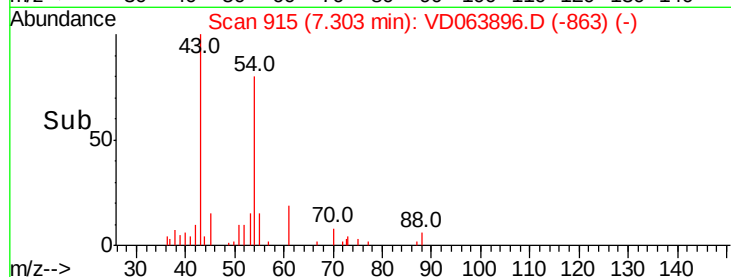
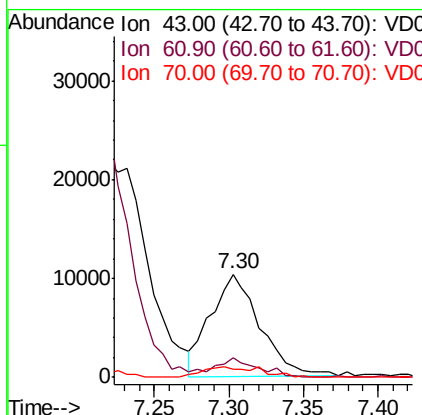
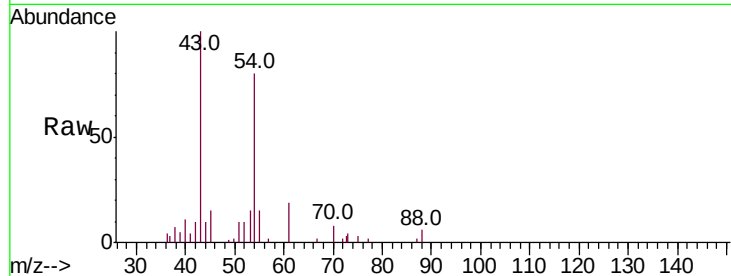




#37
Ethyl Acetate
Concen: 19.181 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

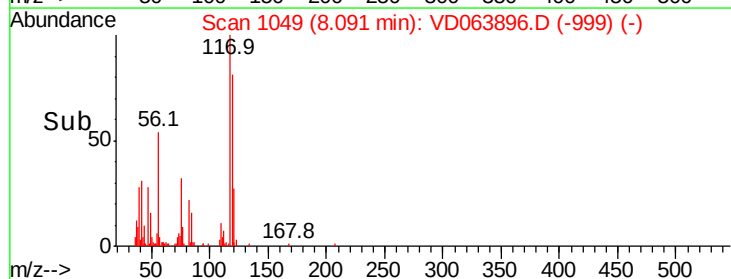
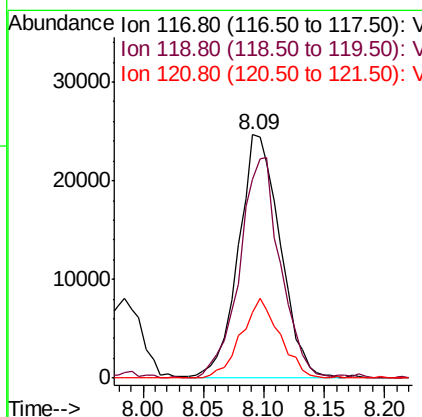
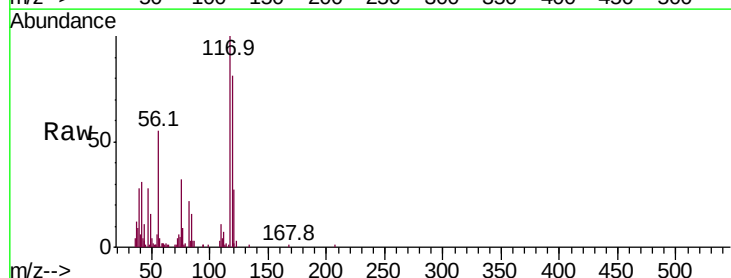
Instrument :
MSVOA_D
ClientSampleId :

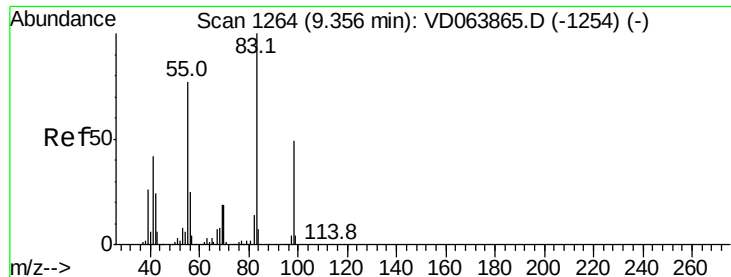
Tot Ion: 43 Resp: 23634
Ion Ratio Lower Upper
43 100
61 15.2 11.5 17.3
70 12.1 8.2 12.4



#38
Carbon Tetrachloride
Concen: 21.566 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion: 117 Resp: 59359
Ion Ratio Lower Upper
117 100
119 81.5 70.8 106.2
121 27.2 21.4 32.0

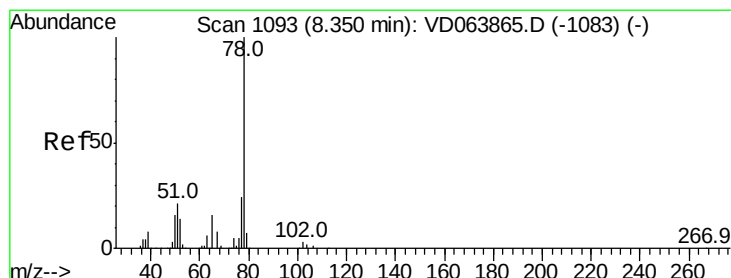
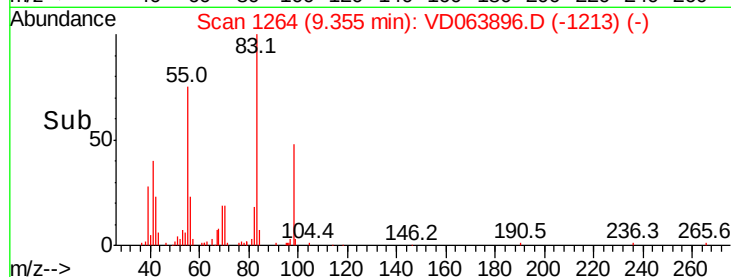
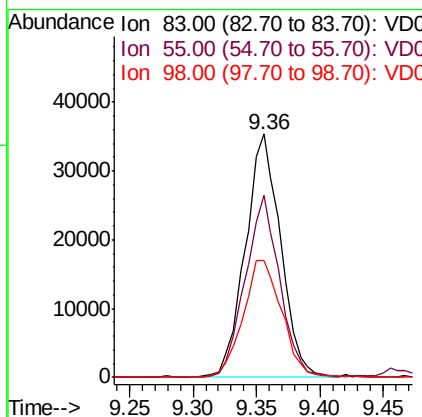
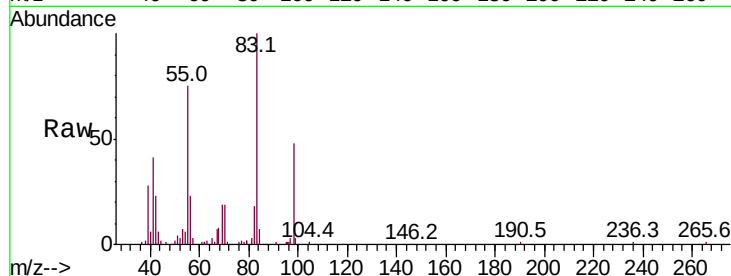




#39
Methylvlcyclohexane
Concen: 20.472 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

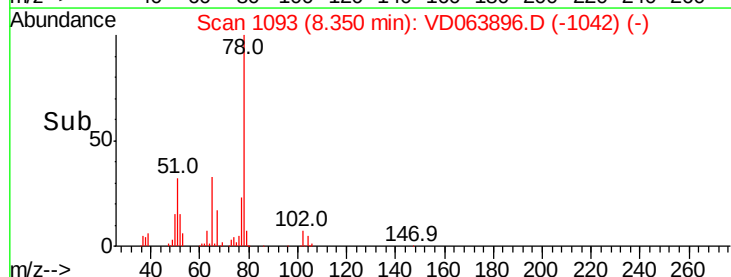
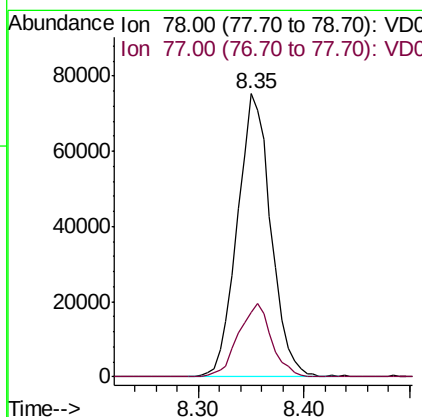
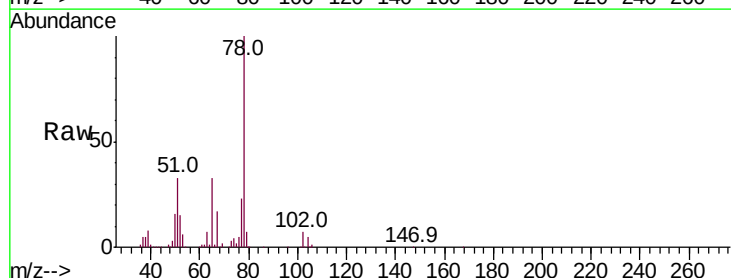
Instrument :
MSVOA_D
ClientSampleId :

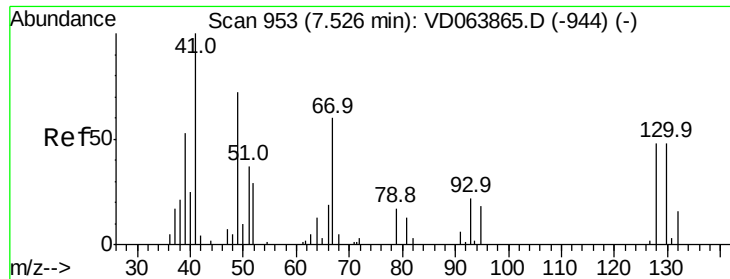
Tot Ion: 83 Resp: 68561
Ion Ratio Lower Upper
83 100
55 74.9 61.3 91.9
98 48.1 39.3 58.9



#40
Benzene
Concen: 21.202 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion: 78 Resp: 165491
Ion Ratio Lower Upper
78 100
77 22.9 19.0 28.6

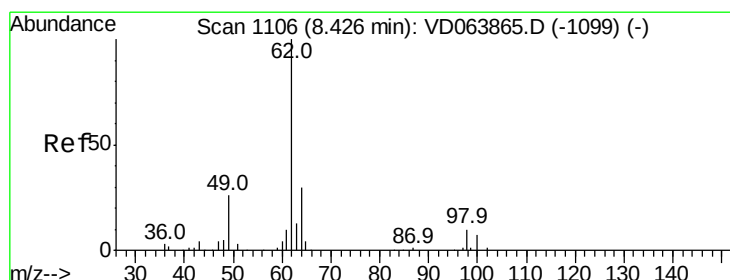
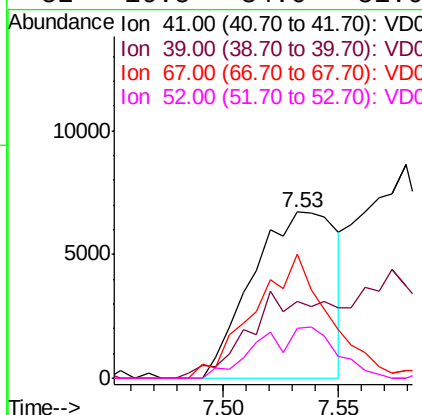
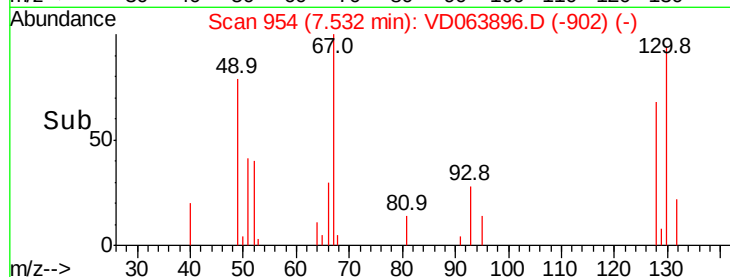
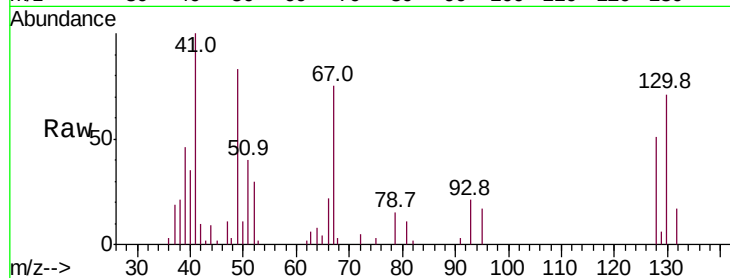




#41
Methacrylonitrile
Concen: 26.930 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

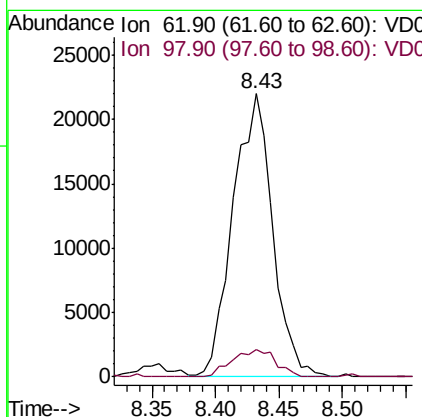
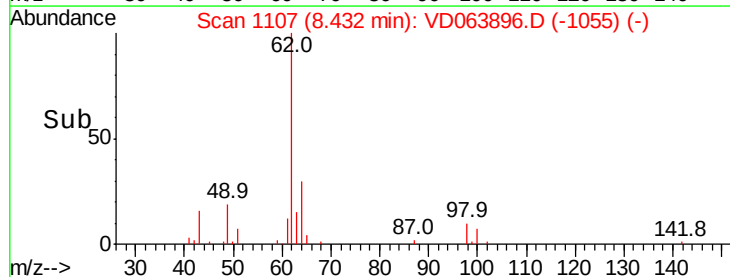
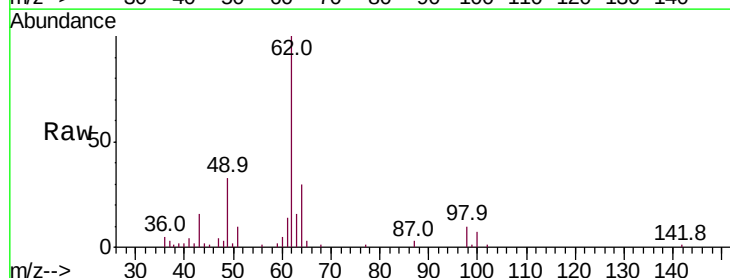
Instrument :
MSVOA_D
ClientSampleId :

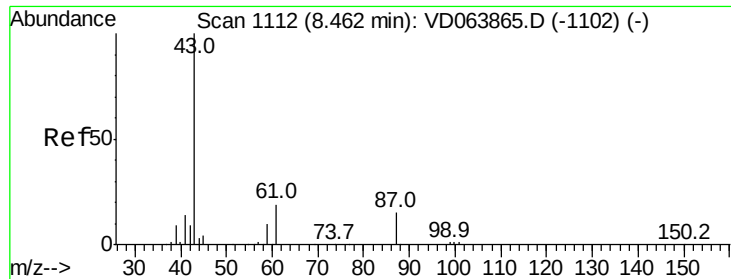
Tot Ion: 41 Resp: 17006
Ion Ratio Lower Upper
41 100
39 0.0 52.6 78.8#
67 65.6 74.2 111.2#
52 16.5 34.0 51.0#



#42
1,2-Dichloroethane
Concen: 21.097 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion: 62 Resp: 47634
Ion Ratio Lower Upper
62 100
98 10.7 0.0 20.0





#43

Isopropyl Acetate

Concen: 21.602 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

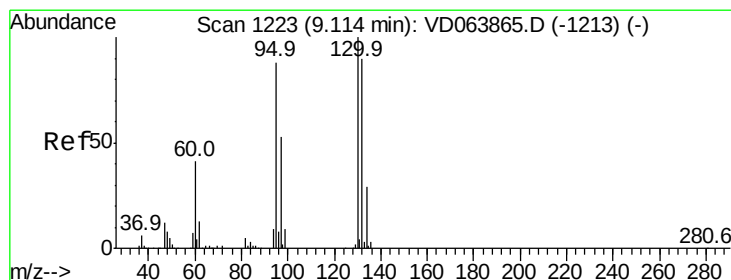
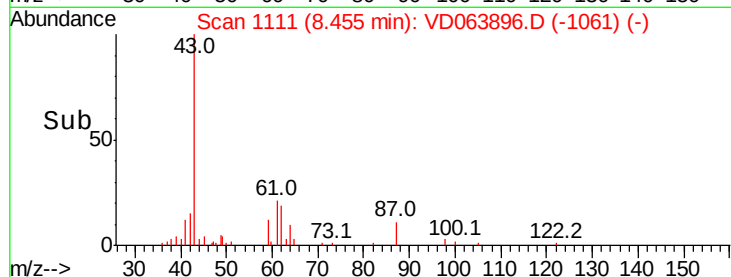
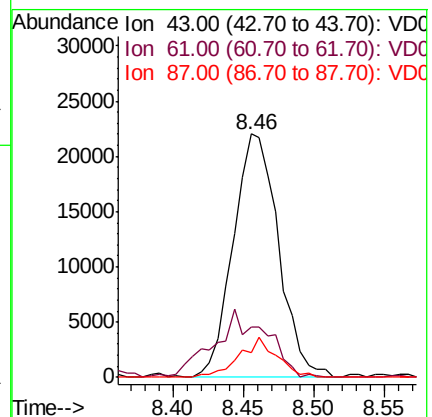
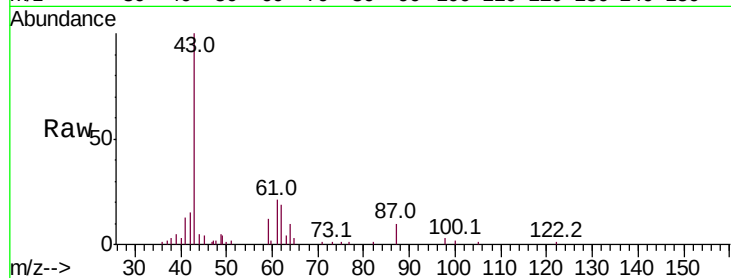
Tot Ion: 43 Resp: 49344

Ion Ratio Lower Upper

43 100

61 32.4 25.7 38.5

87 13.6 11.6 17.4



#44

Trichloroethene

Concen: 20.982 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063896.D

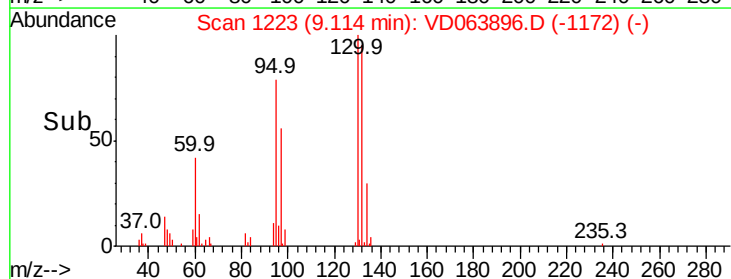
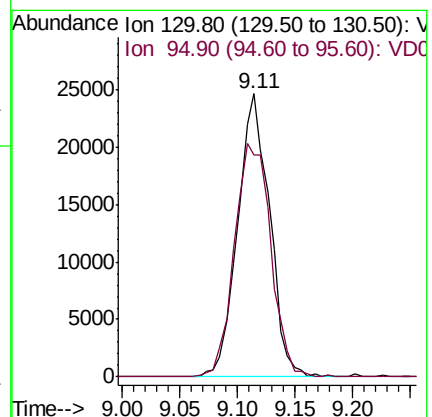
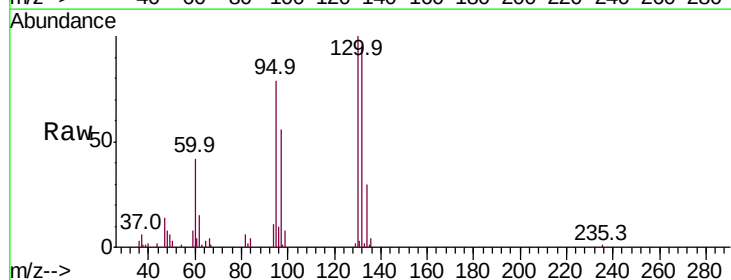
Acq: 07 Oct 2019 12:49

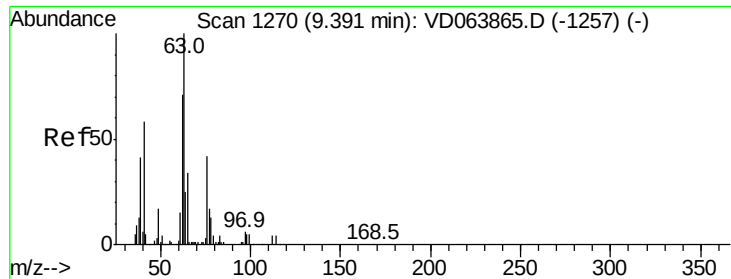
Tgt Ion:130 Resp: 47227

Ion Ratio Lower Upper

130 100

95 78.6 0.0 175.6

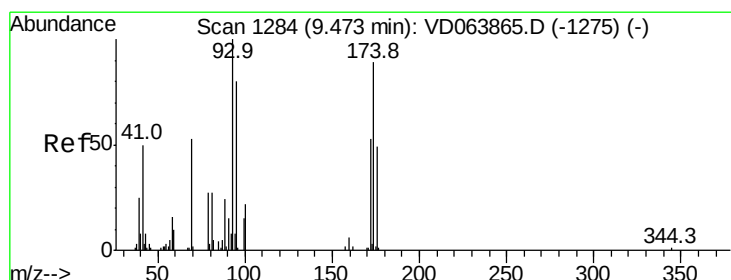
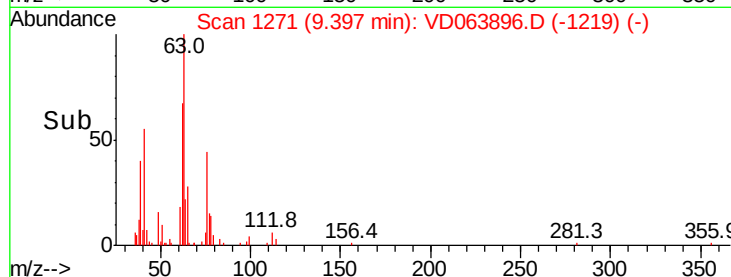
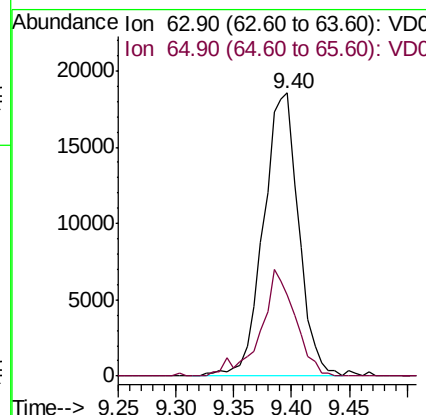
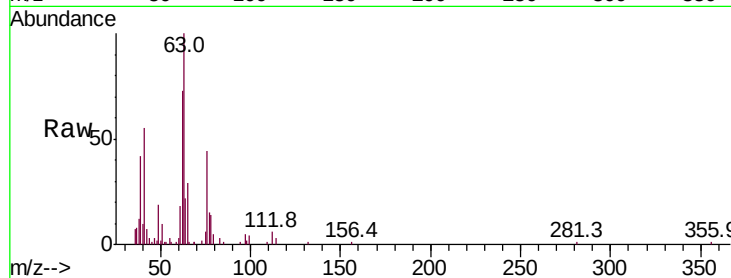




#45
 1,2-Dichloropropane
 Concen: 20.665 ug/l
 RT: 9.40 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

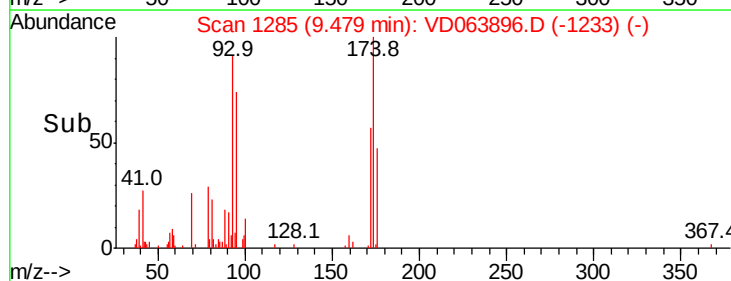
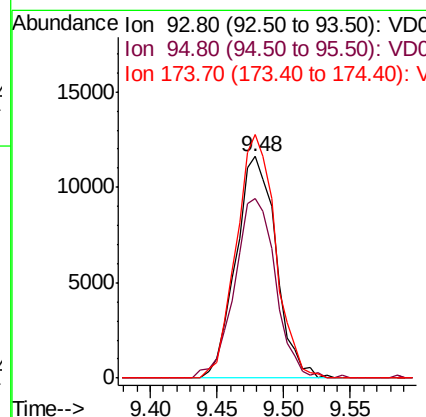
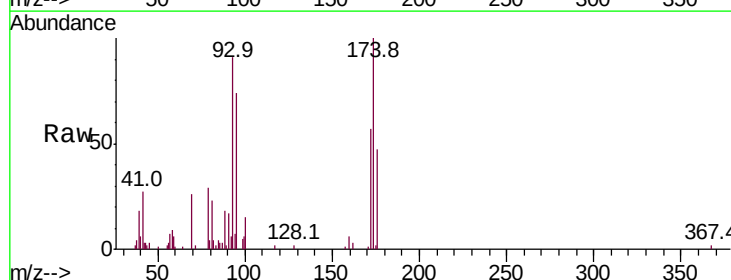
Instrument :
 MSVOA_D
 ClientSampled :

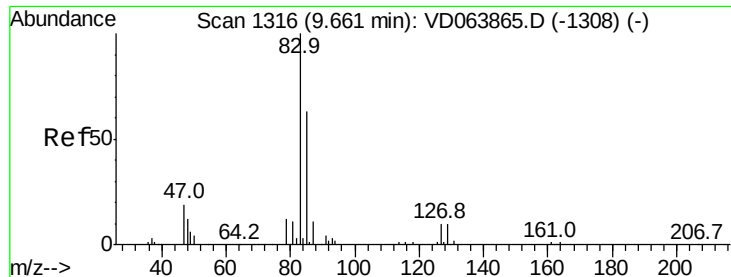
Tot Ion: 63 Resp: 39481
 Ion Ratio Lower Upper
 63 100
 65 28.8 27.3 40.9



#46
 Dibromomethane
 Concen: 22.249 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Tgt Ion: 93 Resp: 24208
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.0 99.0
 174 107.8 83.4 125.0





#47

Bromodichloromethane

Concen: 20.225 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

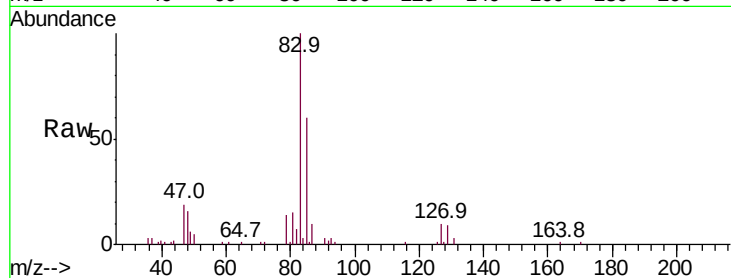
Tot Ion: 83 Resp: 56657

Ion Ratio Lower Upper

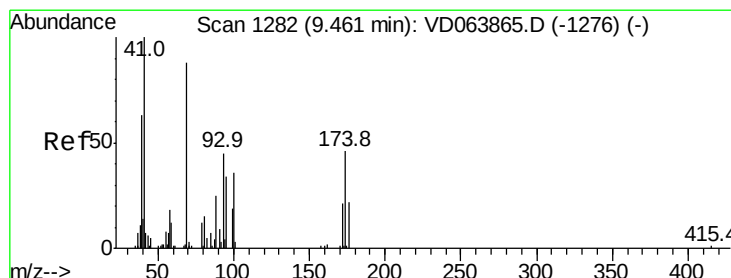
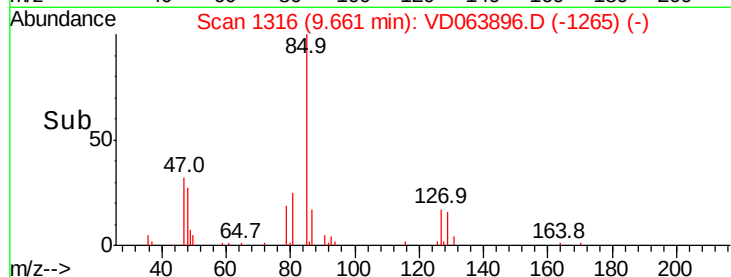
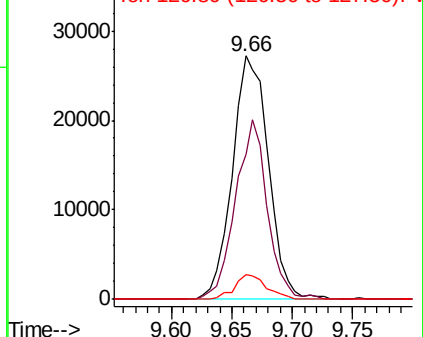
83 100

85 59.8 50.2 75.2

127 10.0 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: 20.367 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

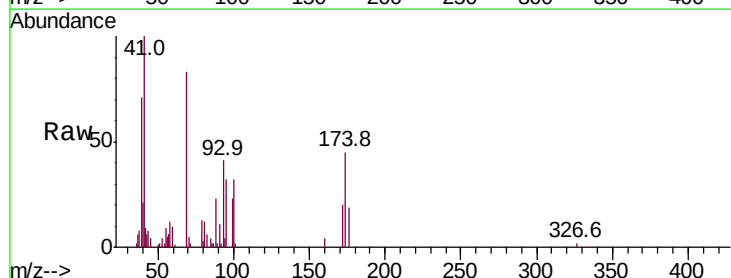
Tgt Ion: 41 Resp: 22291

Ion Ratio Lower Upper

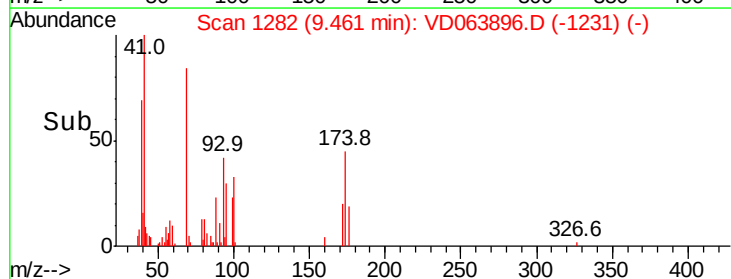
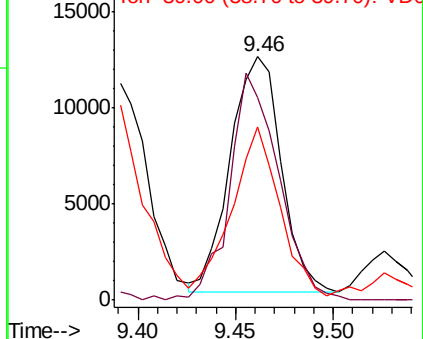
41 100

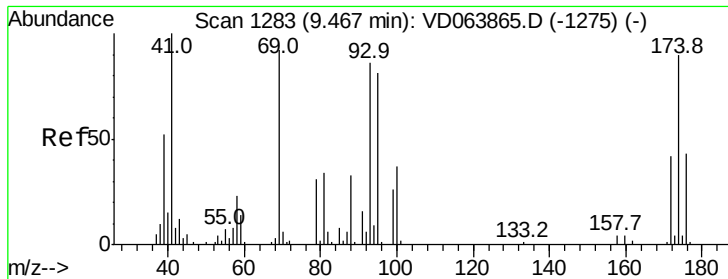
69 92.5 75.1 112.7

39 71.1 50.2 75.2



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

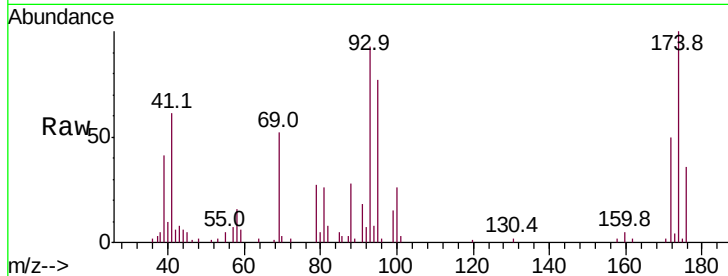




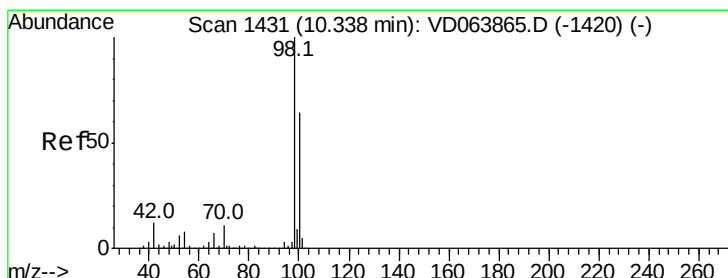
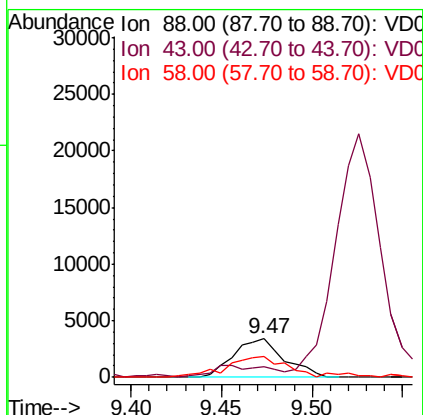
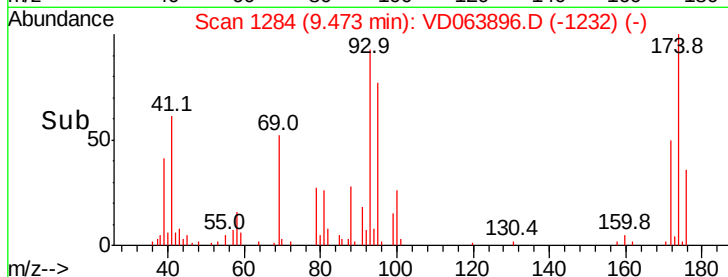
#49
1,4-Dioxane
Concen: 442.098 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 6566
Ion Ratio Lower Upper
88 100
43 35.8 27.6 41.4
58 63.1 54.1 81.1

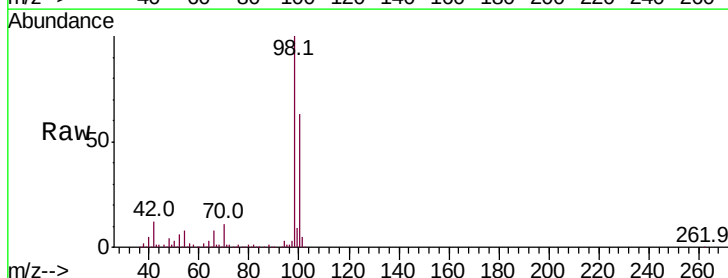


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

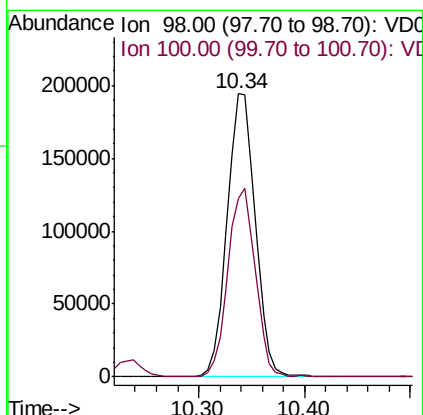
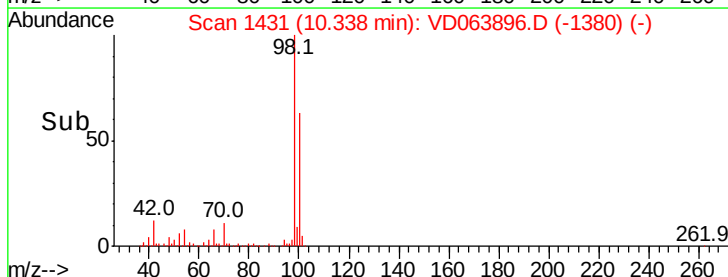


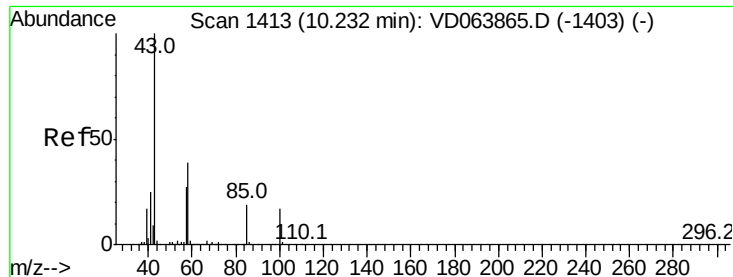
#50
Toluene-d8
Concen: 48.435 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion: 98 Resp: 357898
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



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

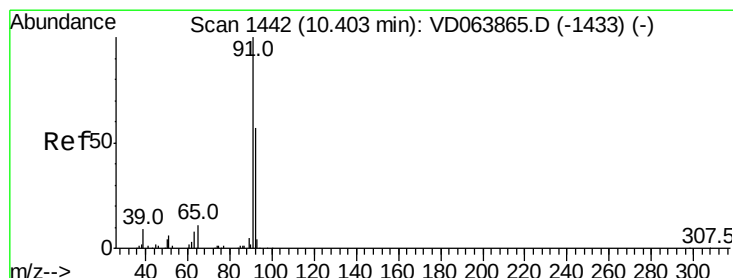
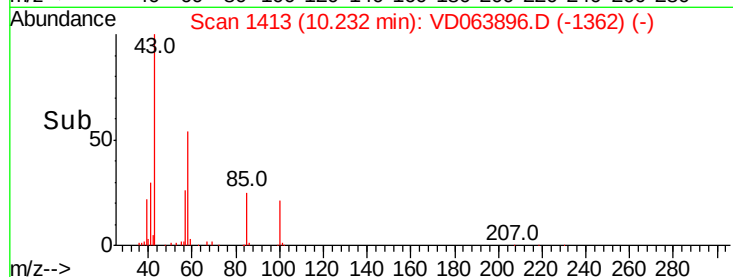
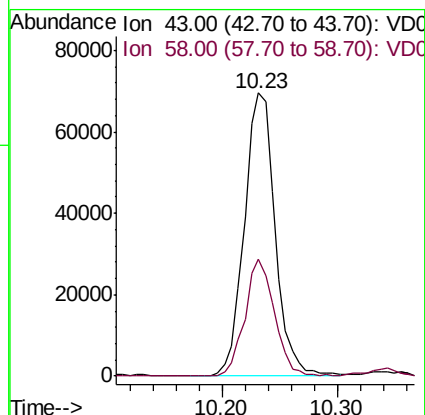
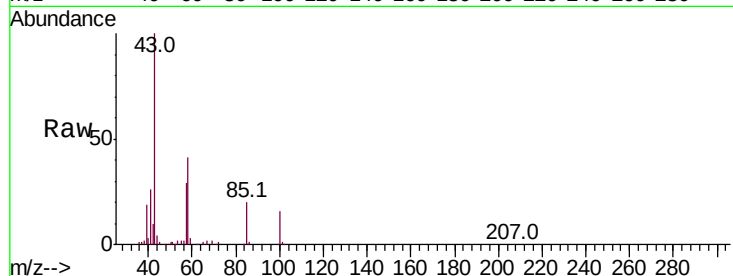




#51
 4-Methyl-2-Pentanone
 Concen: 108.920 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

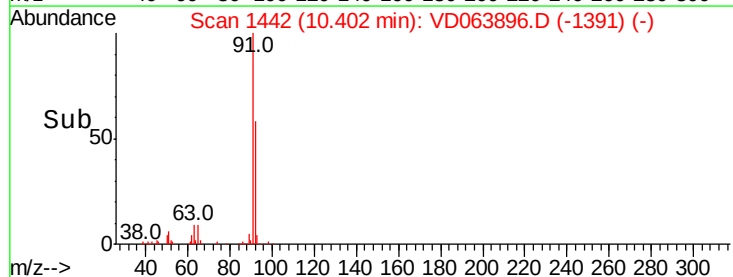
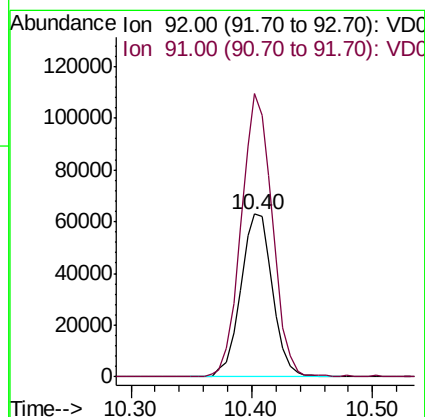
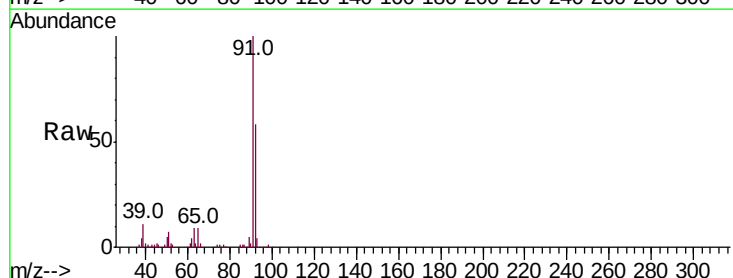
Instrument :
 MSVOA_D
 ClientSampleId :

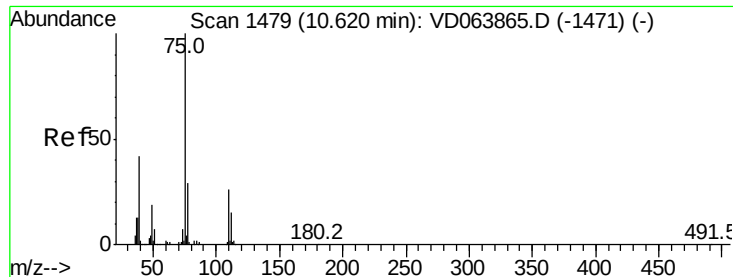
Tot Ion: 43 Resp: 129033
 Ion Ratio Lower Upper
 43 100
 58 39.9 33.0 49.4



#52
 Toluene
 Concen: 21.492 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Tgt Ion: 92 Resp: 115163
 Ion Ratio Lower Upper
 92 100
 91 170.7 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 20.730 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

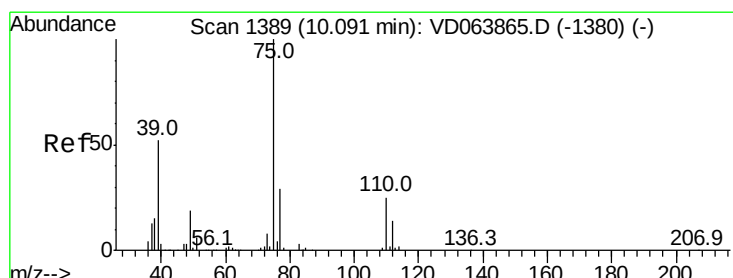
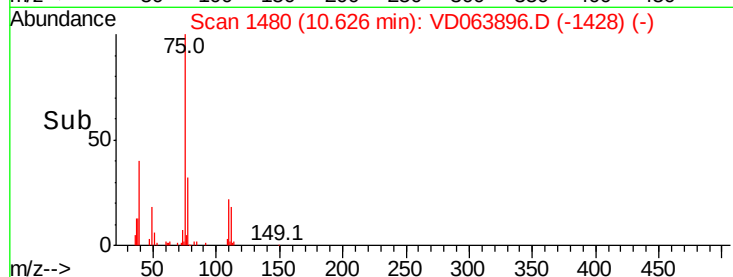
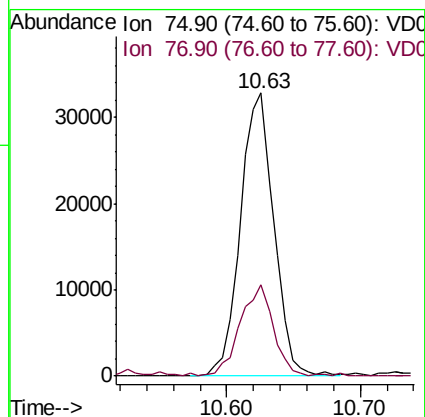
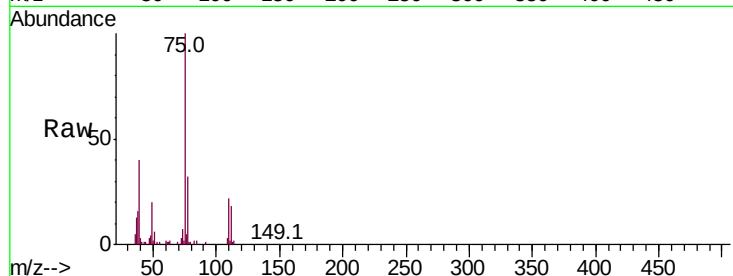
ClientSampleId :

Tot Ion: 75 Resp: 56668

Ion Ratio Lower Upper

75 100

77 31.5 22.8 34.2



#54

cis-1,3-Dichloropropene

Concen: 20.849 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

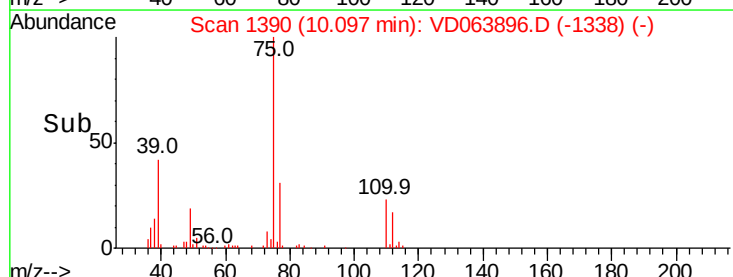
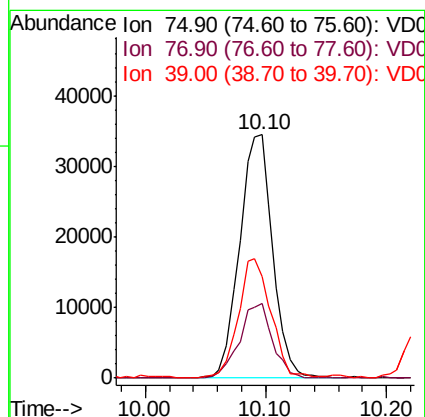
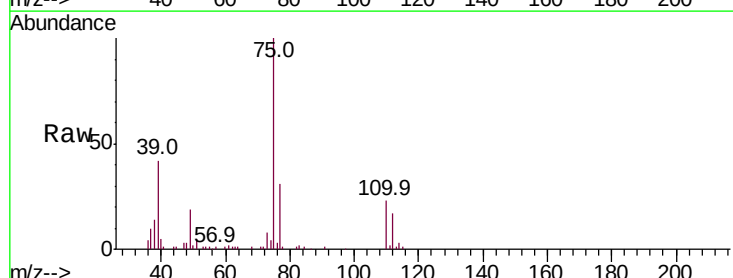
Tgt Ion: 75 Resp: 65606

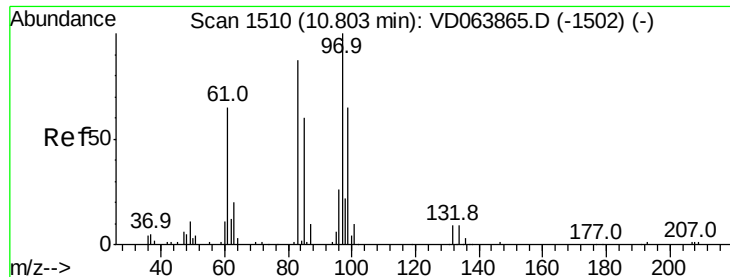
Ion Ratio Lower Upper

75 100

77 30.6 23.2 34.8

39 41.8 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 22.495 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 34559

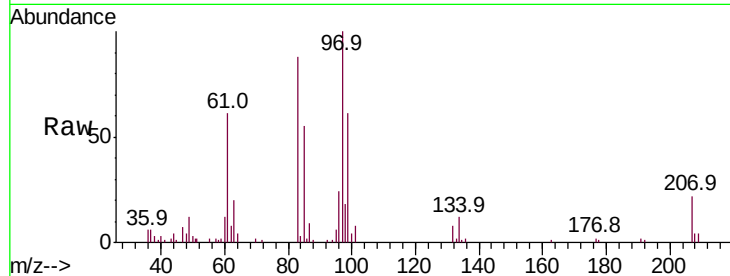
Ion	Ratio	Lower	Upper
97	100		
83	88.4	69.7	104.5
85	54.9	48.1	72.1
99	61.5	51.9	77.9

97 100

83 88.4 69.7 104.5

85 54.9 48.1 72.1

99 61.5 51.9 77.9



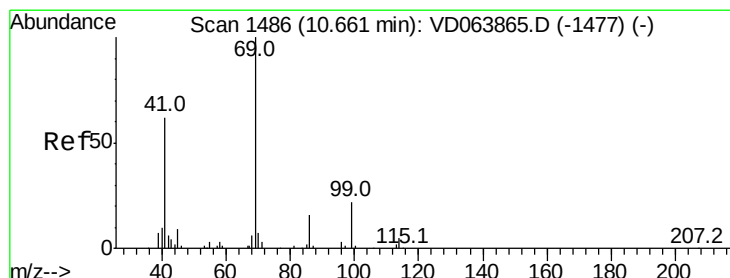
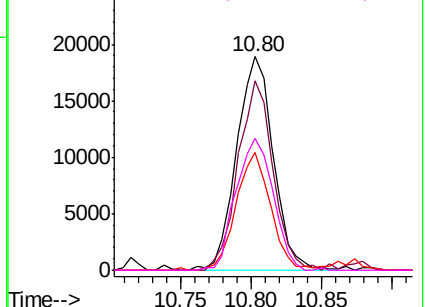
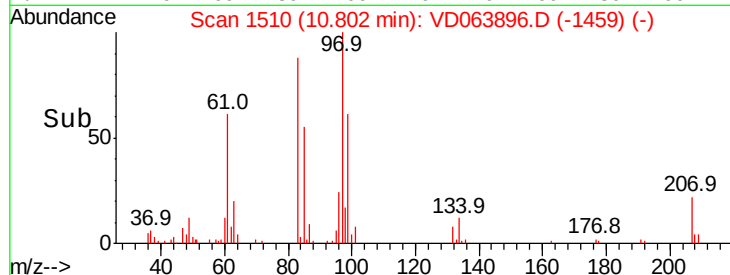
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 22.008 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

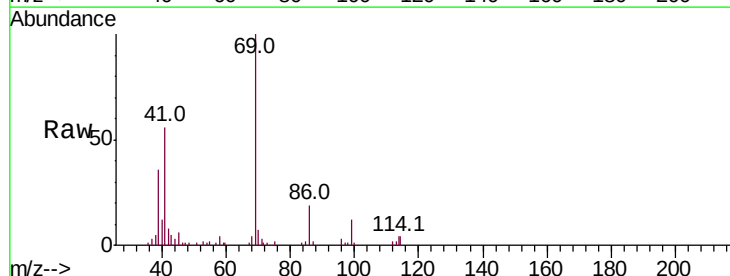
Tgt Ion: 69 Resp: 42816

Ion	Ratio	Lower	Upper
69	100		
41	64.5	51.3	76.9
39	37.4	28.0	42.0

69 100

41 64.5 51.3 76.9

39 37.4 28.0 42.0

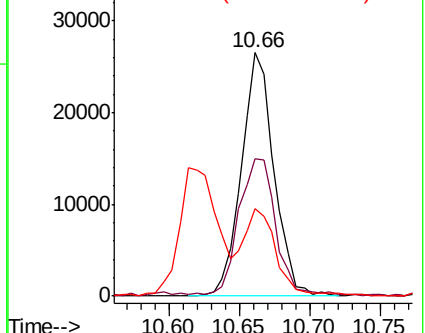
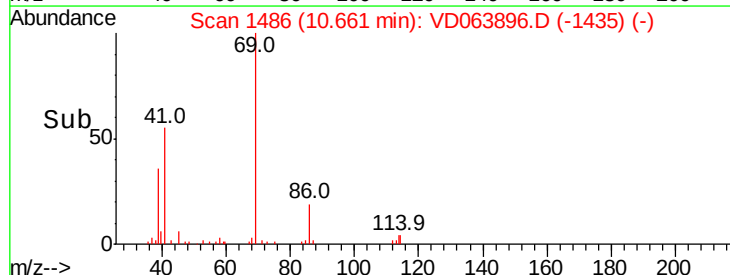


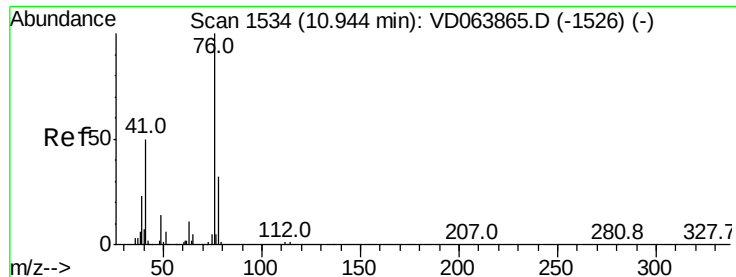
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 22.194 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

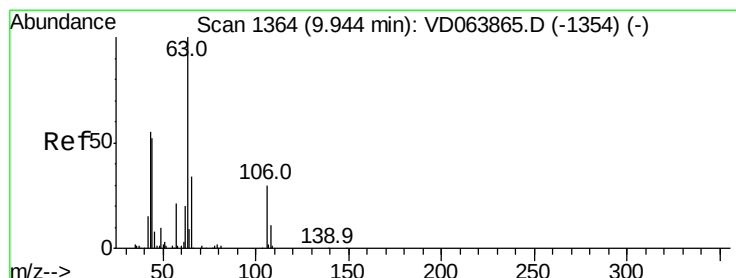
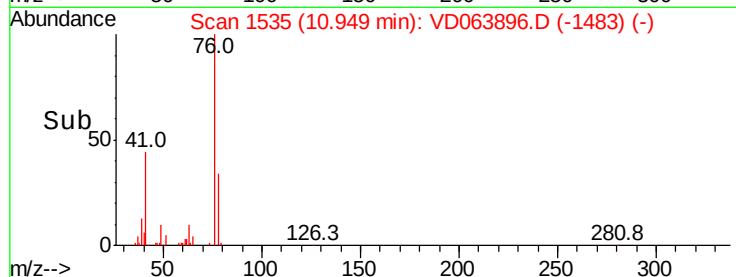
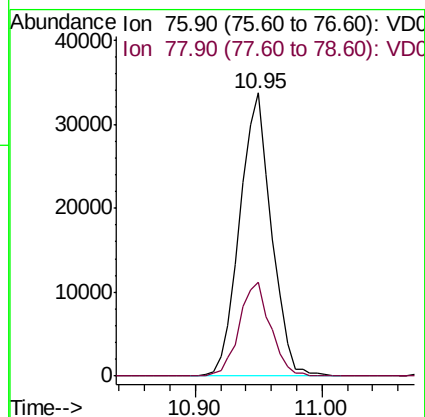
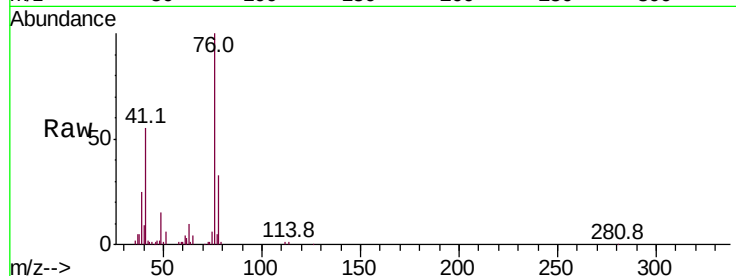
ClientSampleId :

Tot Ion: 76 Resp: 58338

Ion Ratio Lower Upper

76 100

78 32.6 26.6 40.0



#58

2-Chloroethyl Vinyl ether

Concen: 101.474 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD063896.D

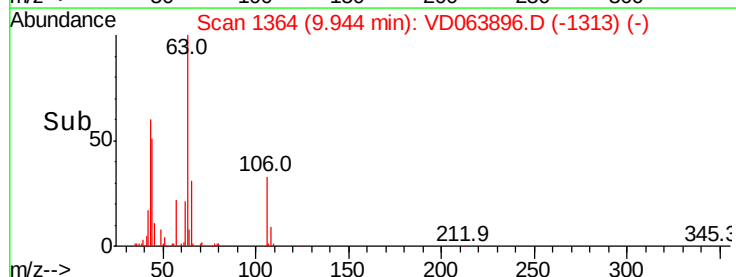
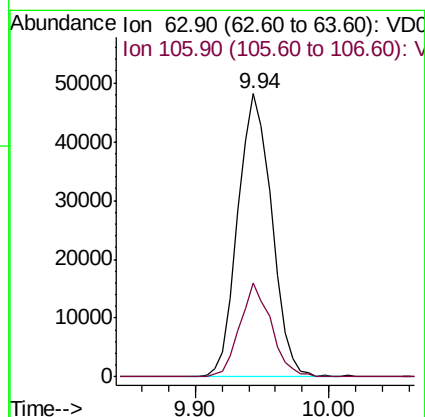
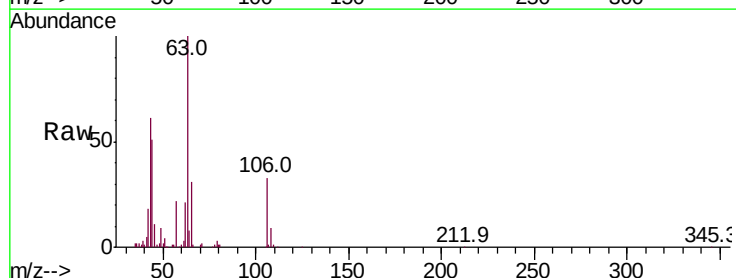
Acq: 07 Oct 2019 12:49

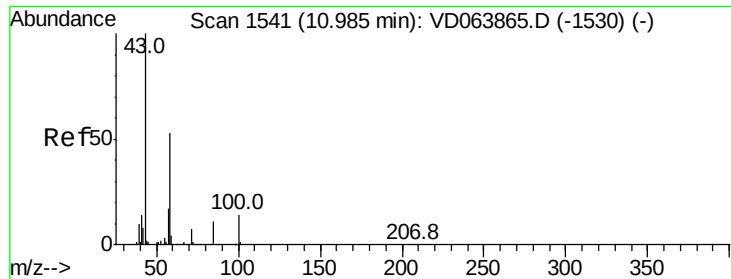
Tgt Ion: 63 Resp: 84857

Ion Ratio Lower Upper

63 100

106 30.7 24.3 36.5

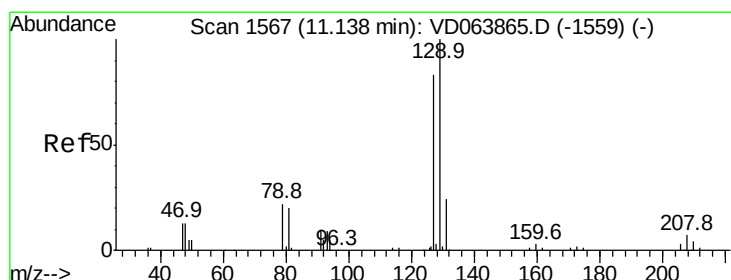
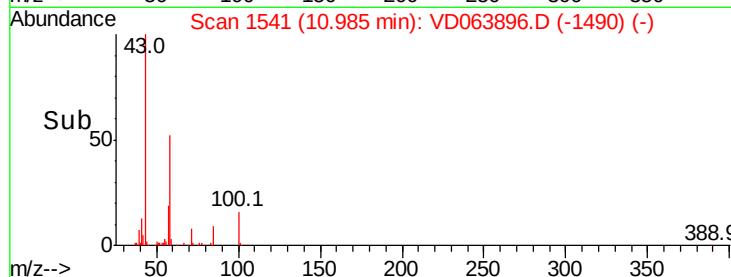
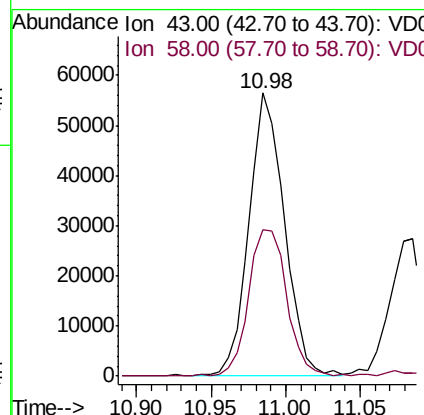
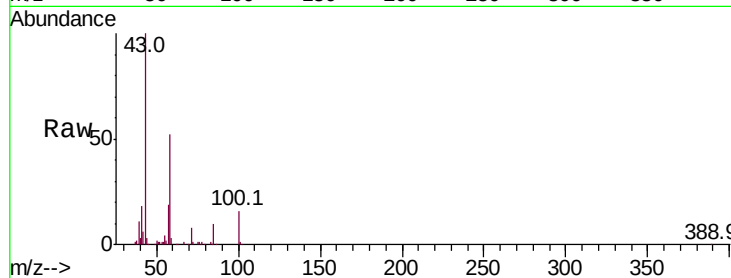




#59
2-Hexanone
Concen: 108.366 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

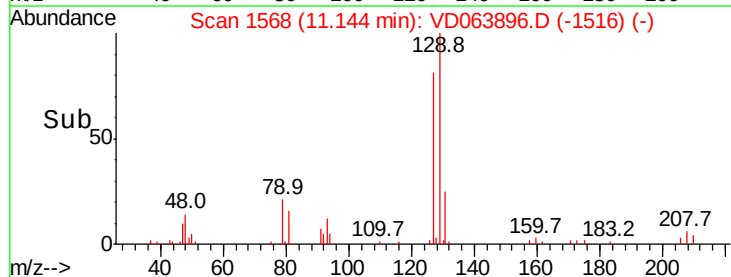
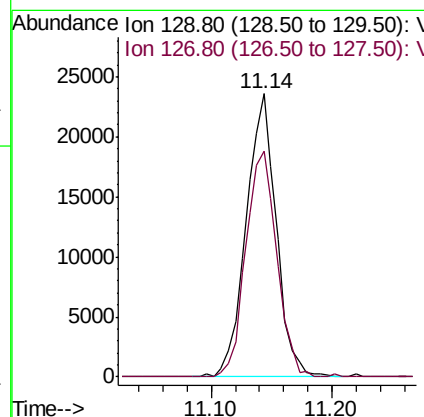
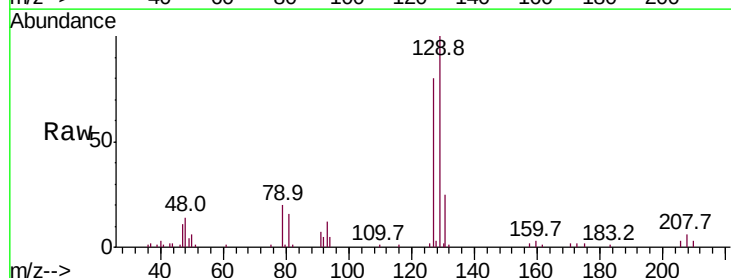
Instrument :
MSVOA_D
ClientSampleId :

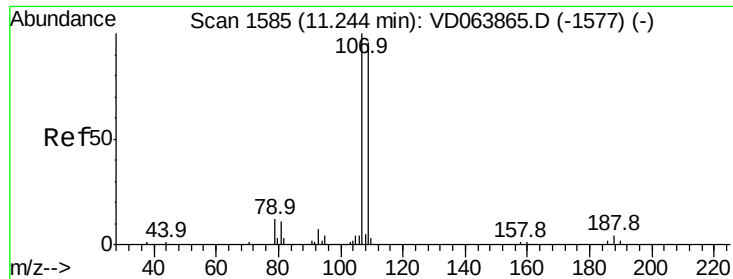
Tot Ion: 43 Resp: 92864
Ion Ratio Lower Upper
43 100
58 55.6 27.7 83.0



#60
Dibromochloromethane
Concen: 20.434 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion: 129 Resp: 40869
Ion Ratio Lower Upper
129 100
127 82.2 39.9 119.6

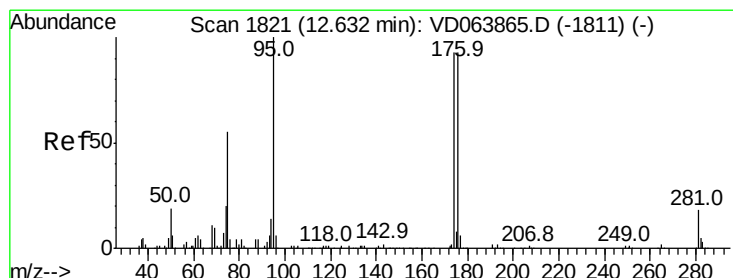
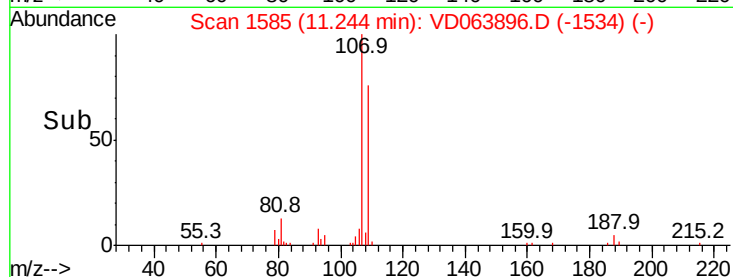
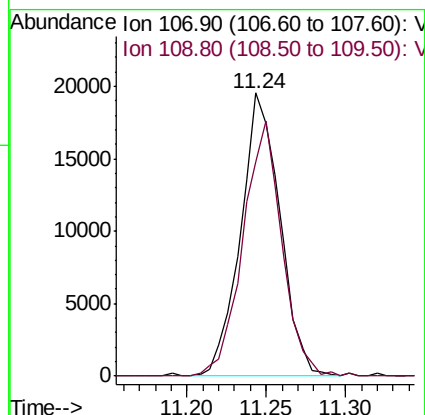
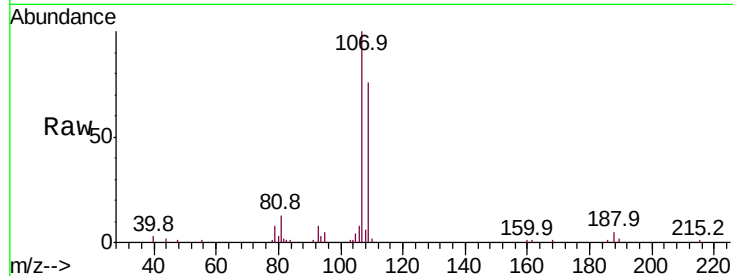




#61
 1,2-Dibromoethane
 Concen: 22.659 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

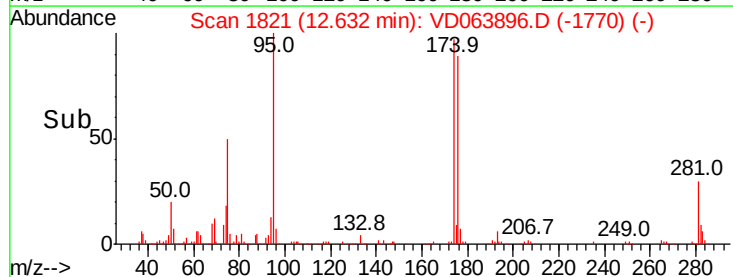
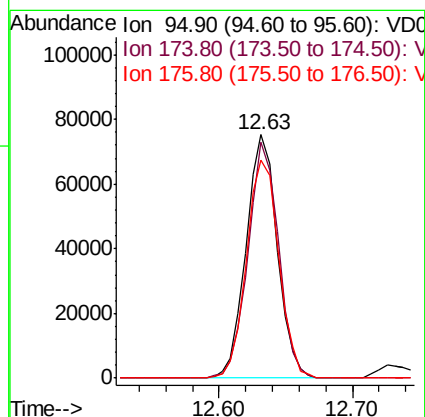
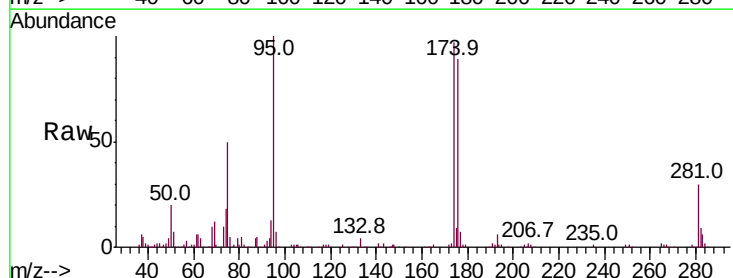
Instrument :
 MSVOA_D
 ClientSampleId :

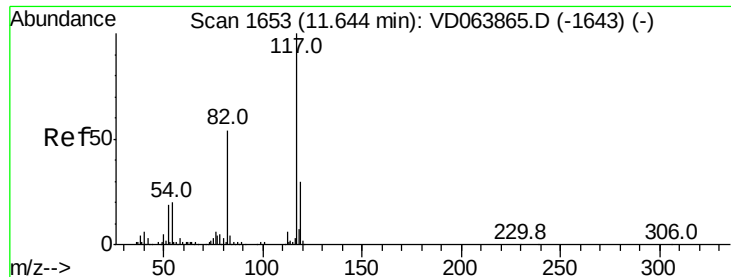
Tot Ion:107 Resp: 33748
 Ion Ratio Lower Upper
 107 100
 109 88.8 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 47.126 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Tgt Ion: 95 Resp: 121010
 Ion Ratio Lower Upper
 95 100
 174 94.2 0.0 186.4
 176 92.9 0.0 184.2

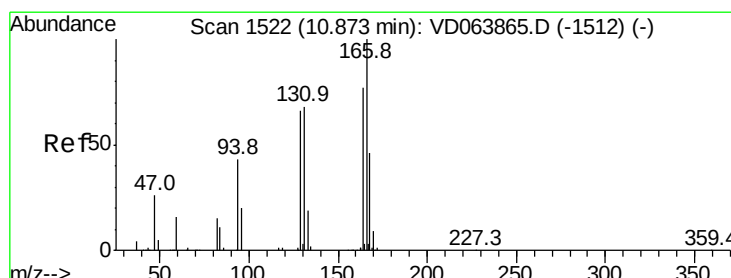
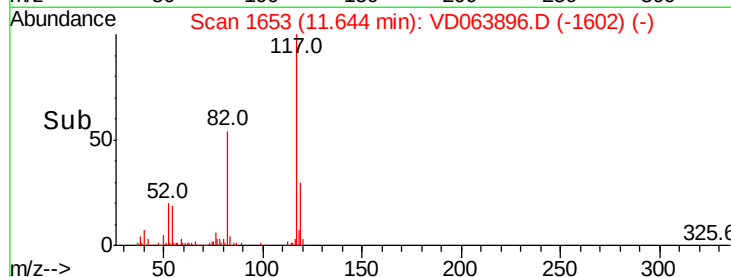
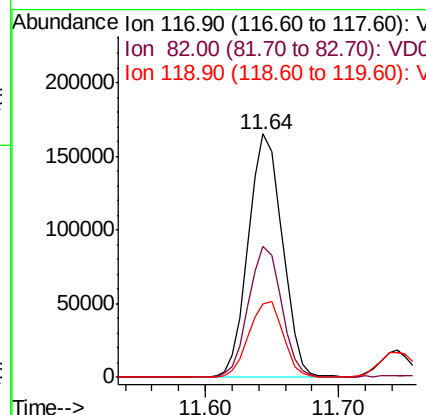
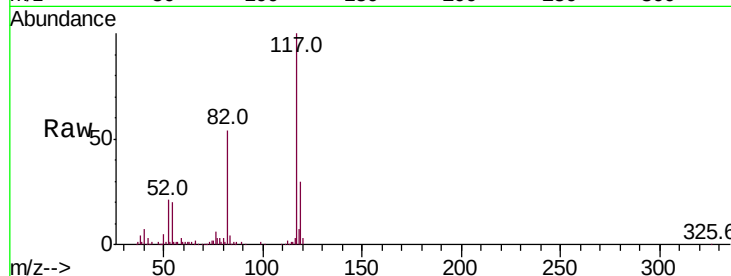




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

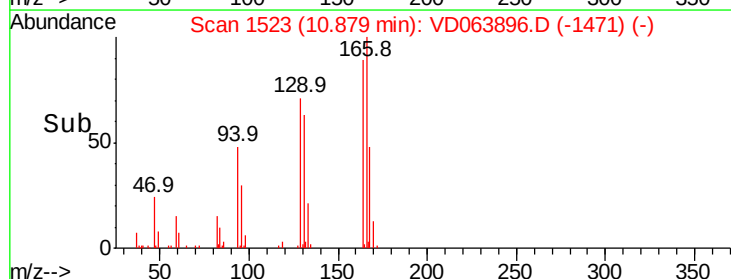
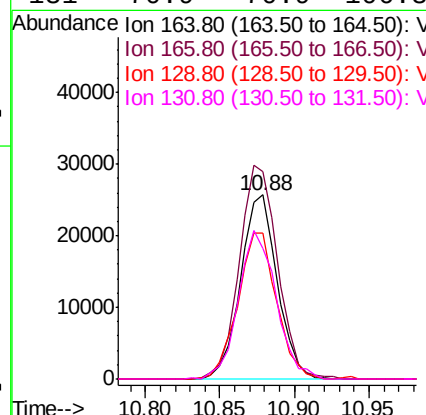
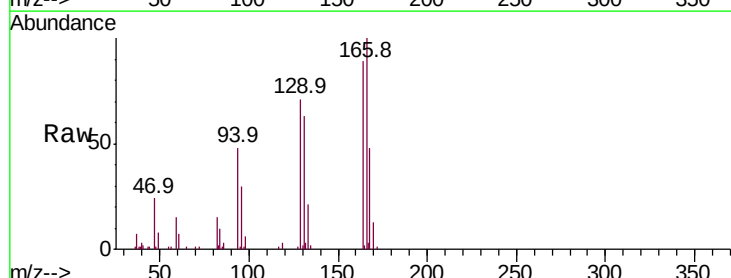
Instrument :
MSVOA_D
ClientSampleId :

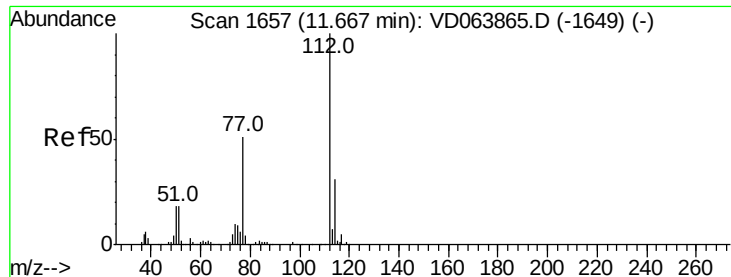
Tot Ion:117 Resp: 291616
Ion Ratio Lower Upper
117 100
82 53.6 42.8 64.2
119 30.1 24.4 36.6



#64
Tetrachloroethene
Concen: 22.038 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion:164 Resp: 43873
Ion Ratio Lower Upper
164 100
166 112.4 103.8 155.6
129 79.3 68.9 103.3
131 70.9 70.9 106.3

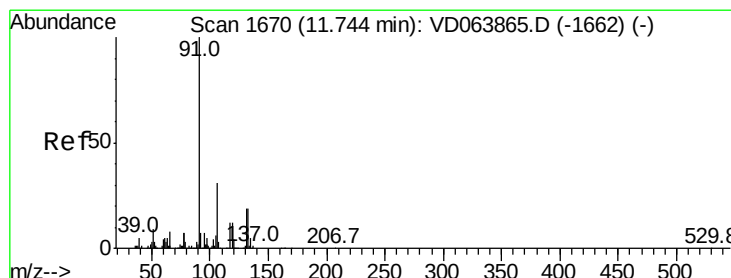
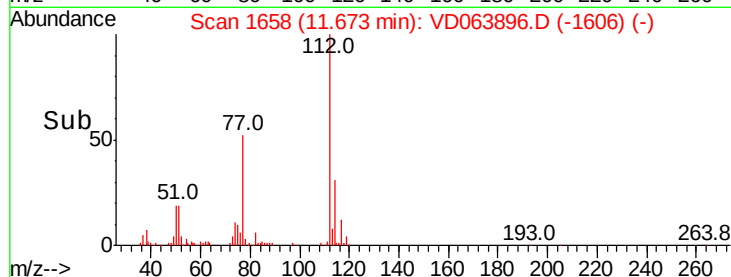
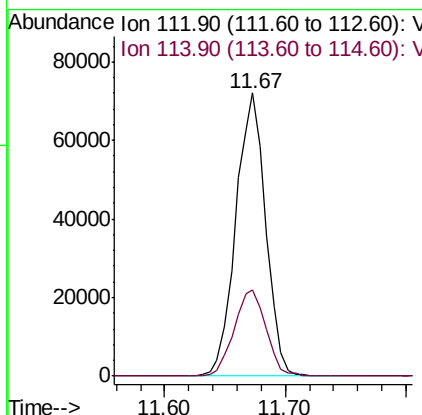
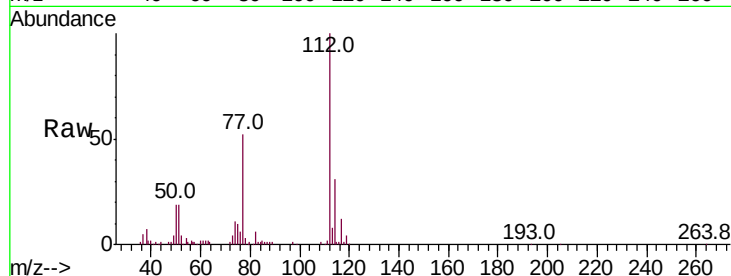




#65
Chlorobenzene
Concen: 21.129 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

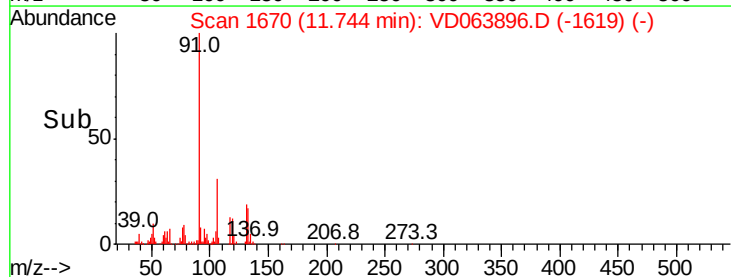
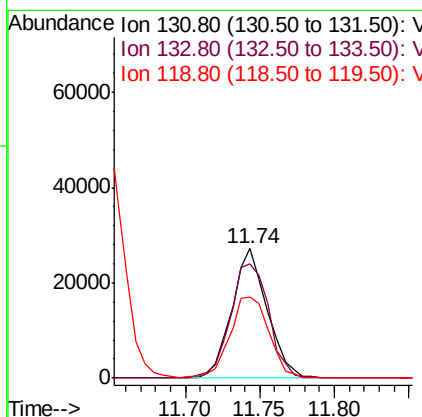
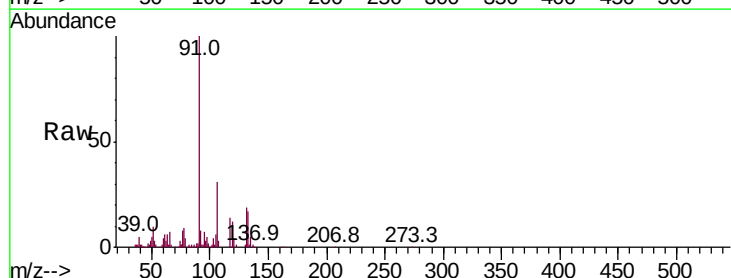
Instrument :
MSVOA_D
ClientSampleId :

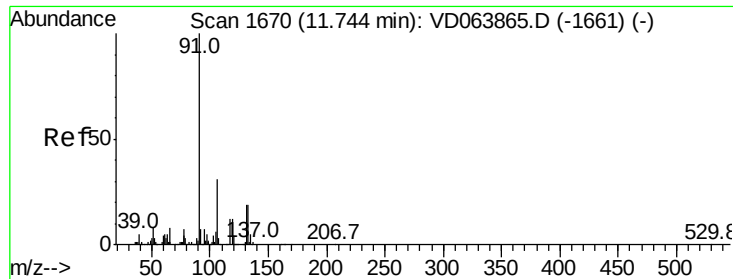
Tot Ion:112 Resp: 123740
Ion Ratio Lower Upper
112 100
114 30.7 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.747 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion:131 Resp: 44771
Ion Ratio Lower Upper
131 100
133 96.9 48.9 146.7
119 69.3 32.6 97.8

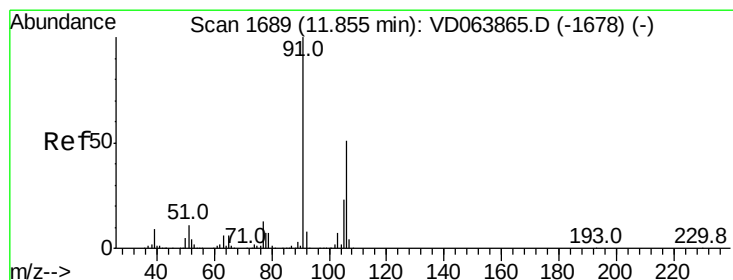
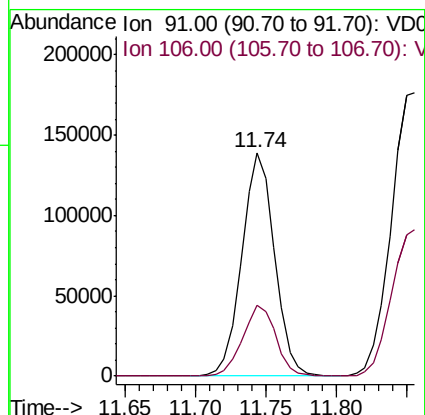
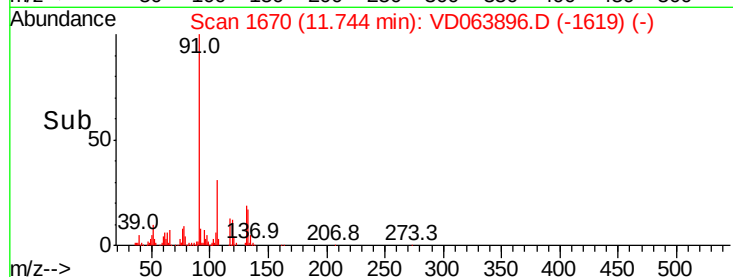
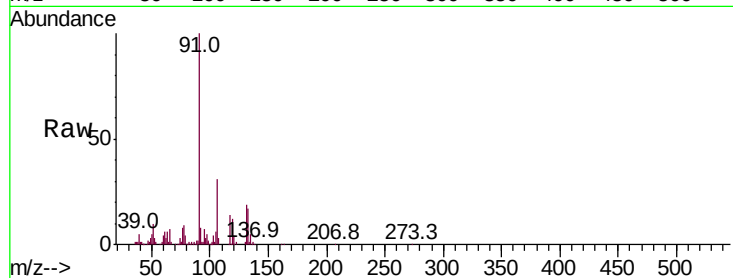




#67
Ethyl Benzene
Concen: 21.330 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

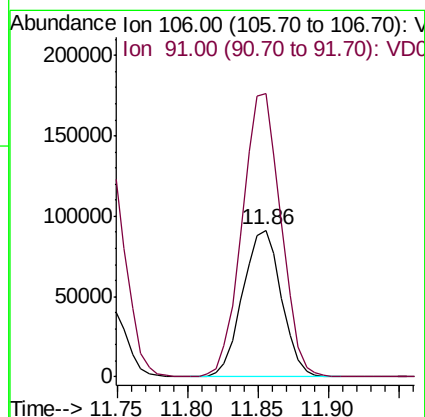
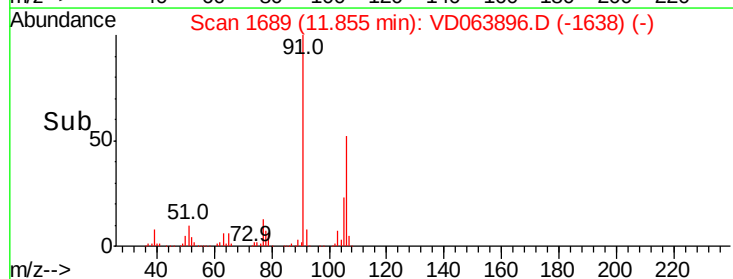
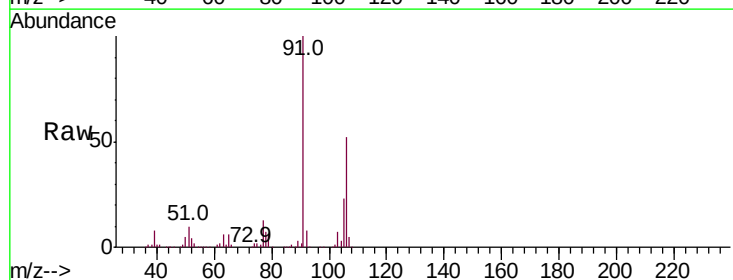
Instrument :
MSVOA_D
ClientSampleId :

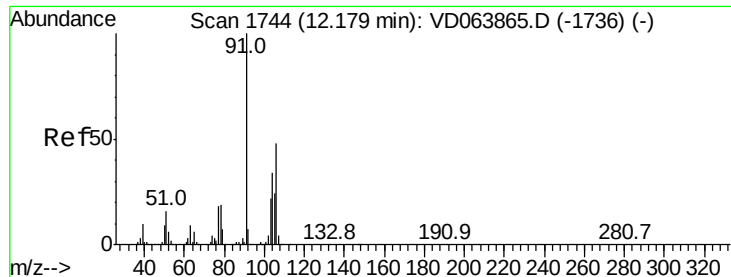
Tot Ion: 91 Resp: 225253
Ion Ratio Lower Upper
91 100
106 31.5 24.6 37.0



#68
m/p-Xylenes
Concen: 43.285 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion: 106 Resp: 176430
Ion Ratio Lower Upper
106 100
91 192.6 154.8 232.2

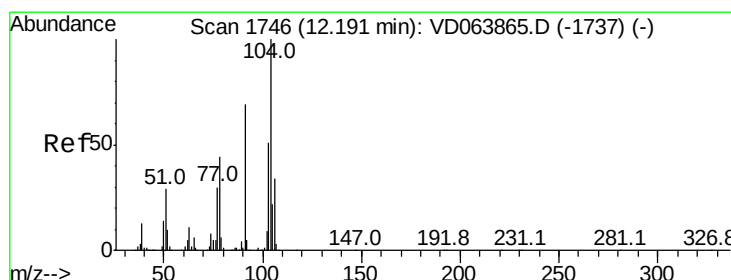
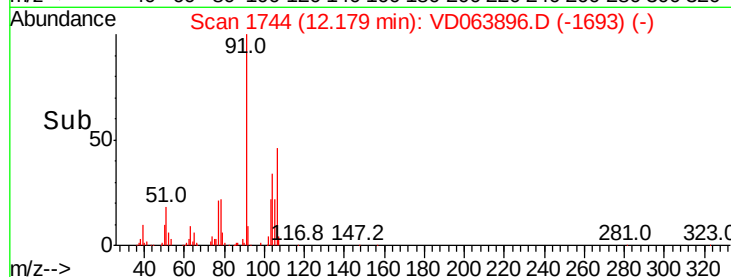
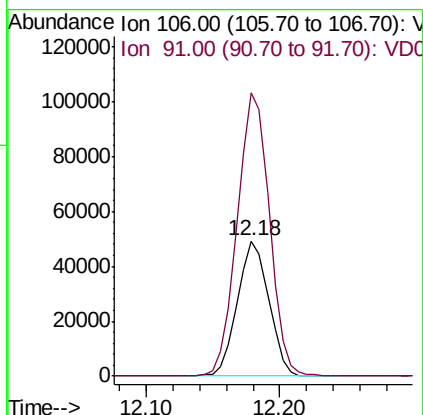
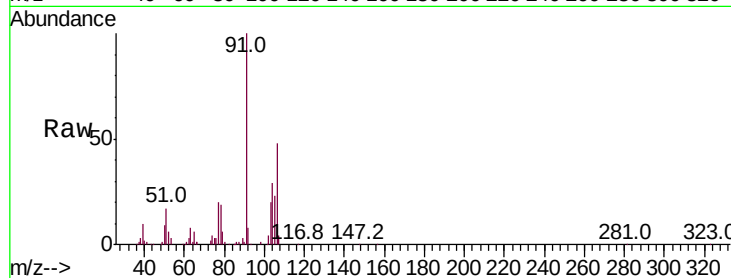




#69
o-Xylene
Concen: 20.648 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

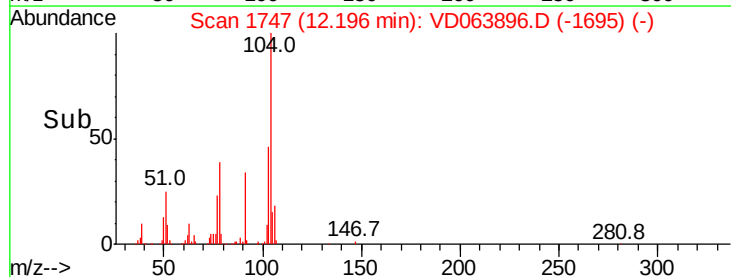
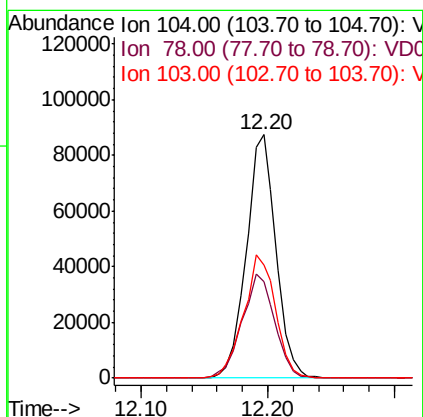
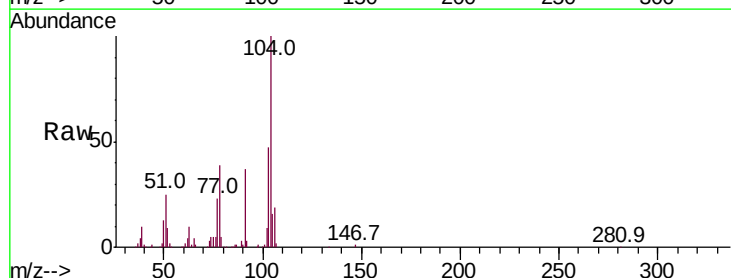
Instrument :
MSVOA_D
ClientSampled :

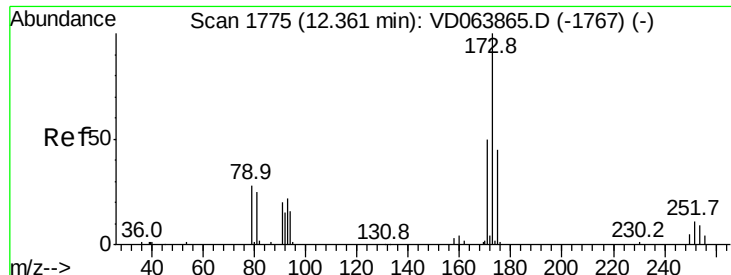
Tot Ion:106 Resp: 80590
Ion Ratio Lower Upper
106 100
91 214.1 103.9 311.7



#70
Styrene
Concen: 21.466 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion:104 Resp: 141829
Ion Ratio Lower Upper
104 100
78 47.1 37.0 55.4
103 54.6 44.2 66.4

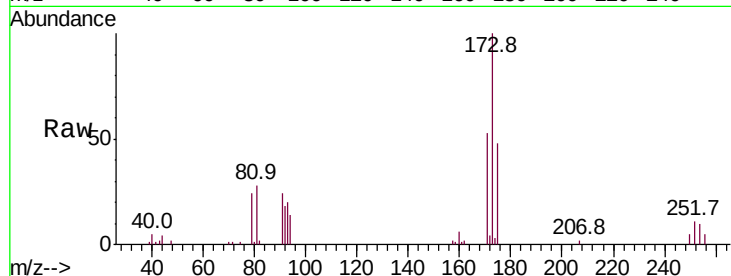




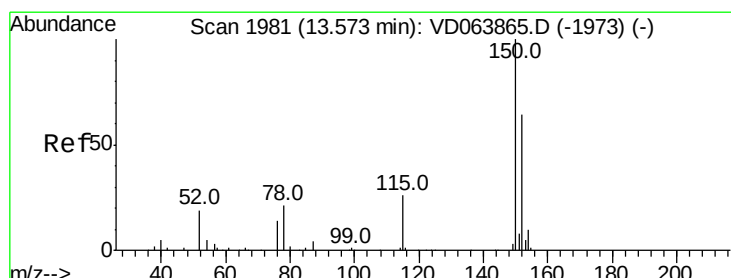
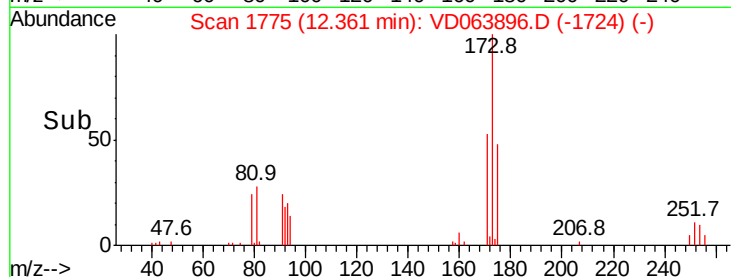
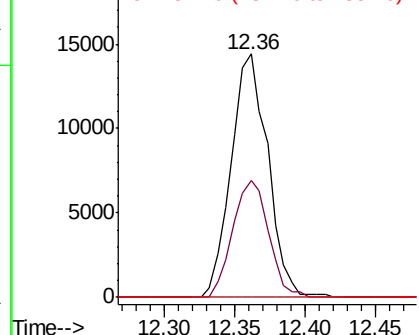
#71
Bromoform
Concen: 22.551 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 26117
Ion Ratio Lower Upper
173 100
175 46.9 24.6 74.0
254 0.0 0.0 0.0

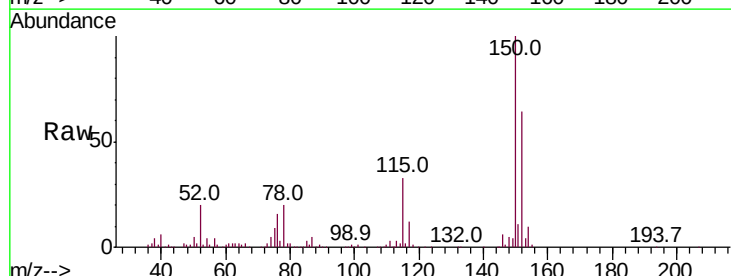


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

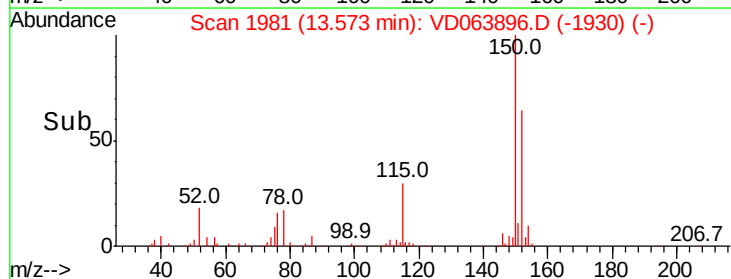
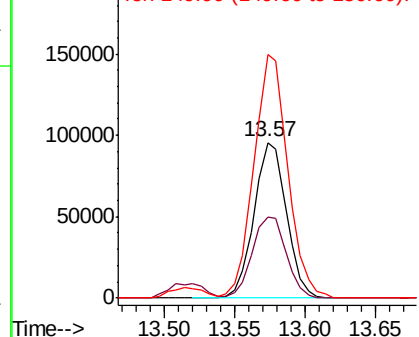


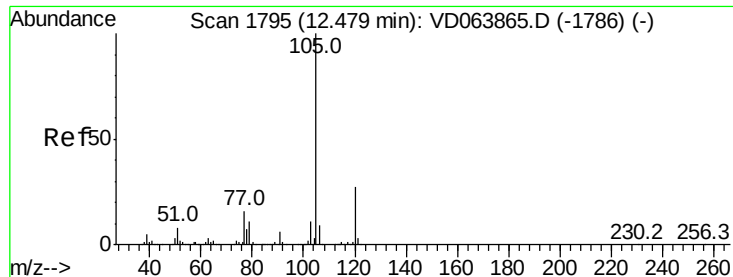
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion:152 Resp: 154652
Ion Ratio Lower Upper
152 100
115 54.9 25.9 77.7
150 163.7 0.0 344.2



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





#73

Isopropylbenzene

Concen: 21.165 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

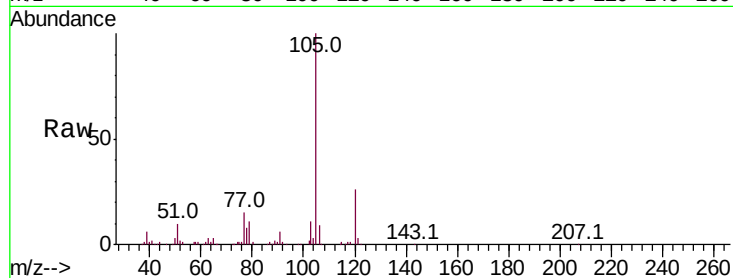
ClientSampleId :

Tot Ion:105 Resp: 220042

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

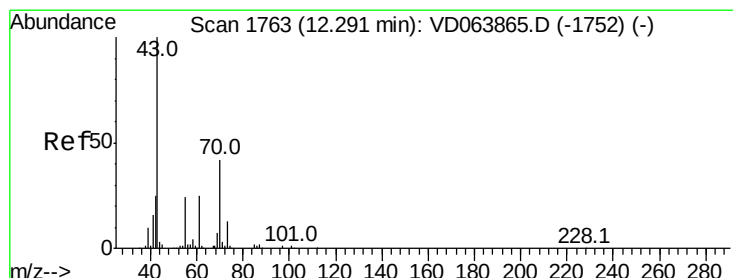
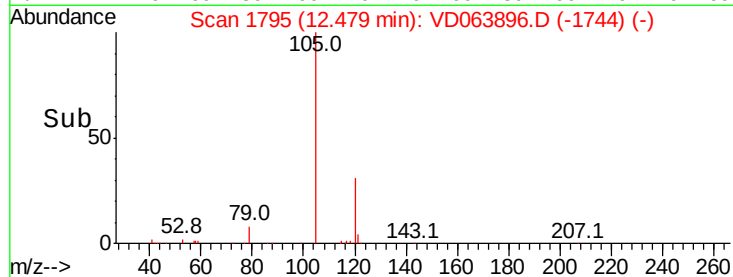
150000

100000

50000

0

Time--> 12.40 12.50



#74

N-ethyl acetate

Concen: 20.989 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Tgt Ion: 43 Resp: 46981

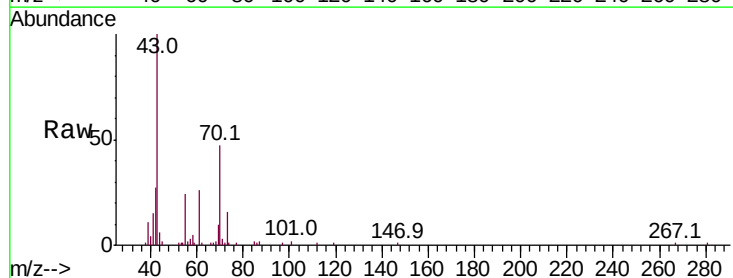
Ion Ratio Lower Upper

43 100

70 46.5 35.8 53.6

55 25.2 19.4 29.0

61 25.4 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

40000

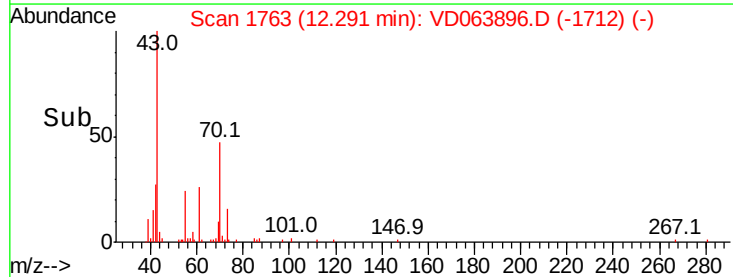
30000

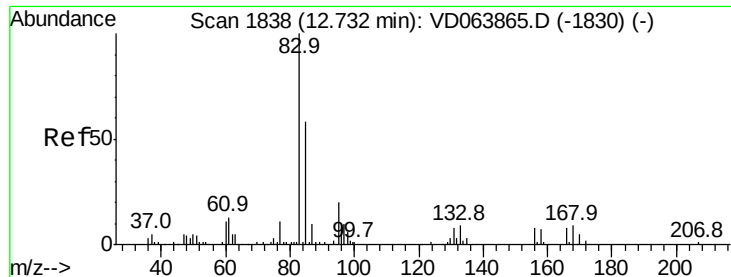
20000

10000

0

Time--> 12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 20.979 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

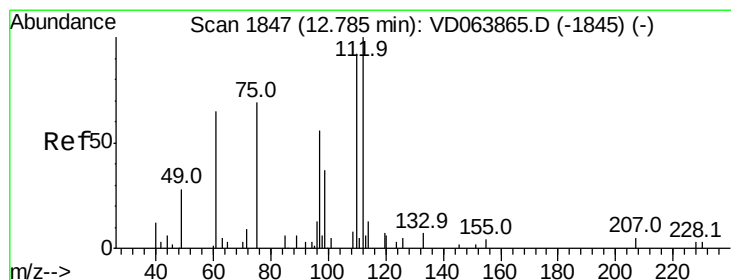
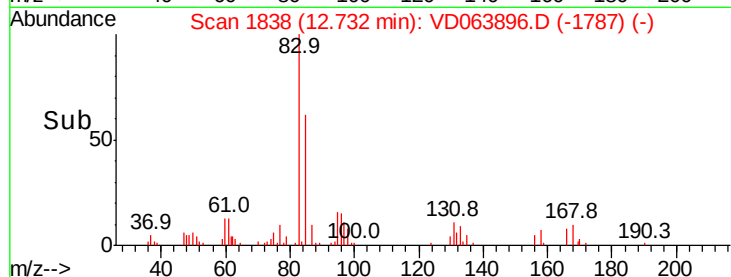
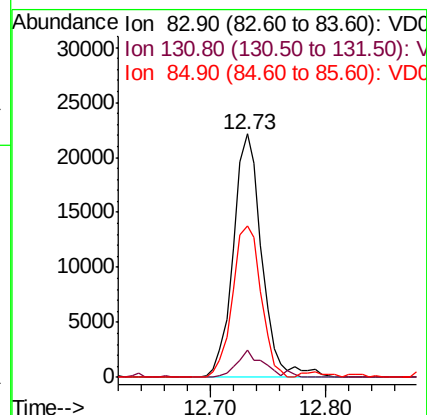
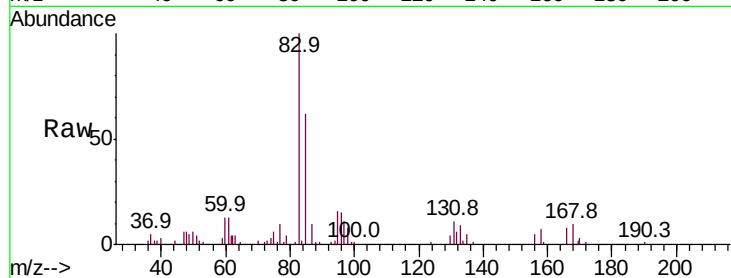
Tot Ion: 83 Resp: 37953

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.6	16.8
85	61.7	32.3	96.8

83 100

131 10.7 5.6 16.8

85 61.7 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 48.720 ug/l

RT: 12.78 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VD063896.D

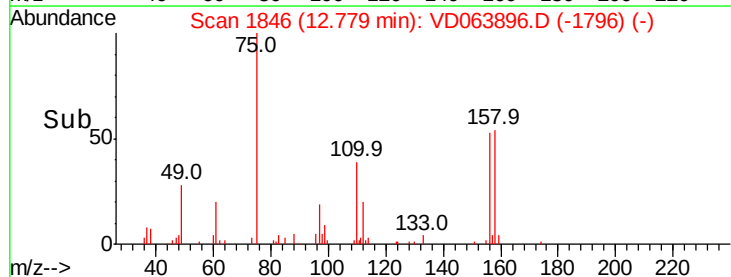
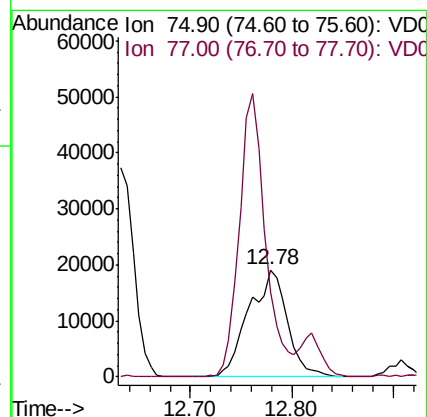
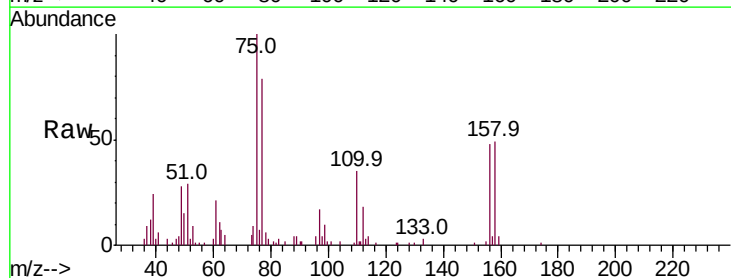
Acq: 07 Oct 2019 12:49

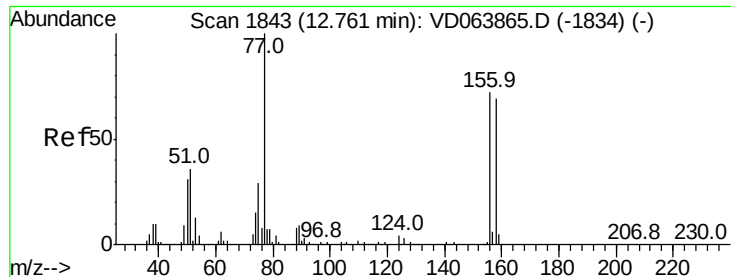
Tgt Ion: 75 Resp: 50465

Ion	Ratio	Lower	Upper
75	100		
77	181.0	0.0	0.0#

75 100

77 181.0 0.0 0.0#





#77

Bromobenzene

Concen: 22.662 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

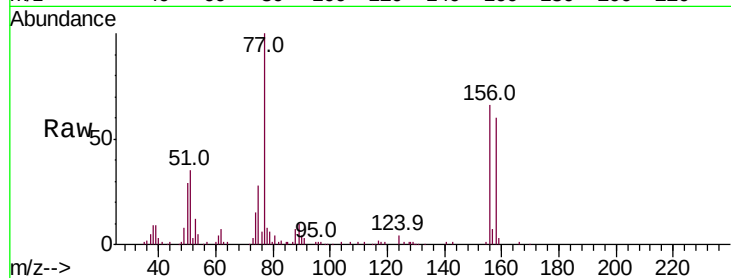
Tot Ion:156 Resp: 58700

Ion Ratio Lower Upper

156 100

77 155.6 80.3 241.0

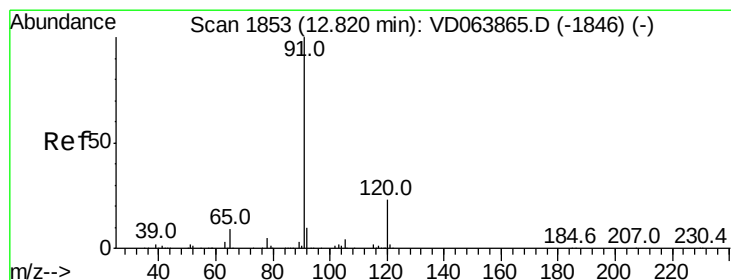
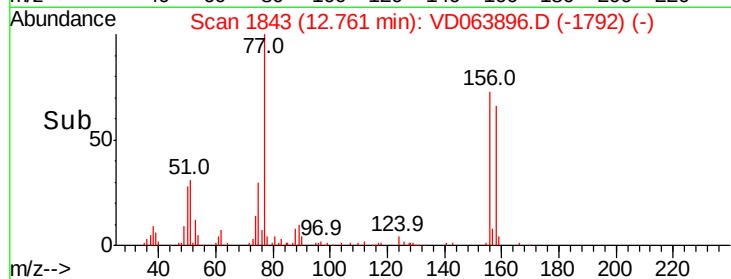
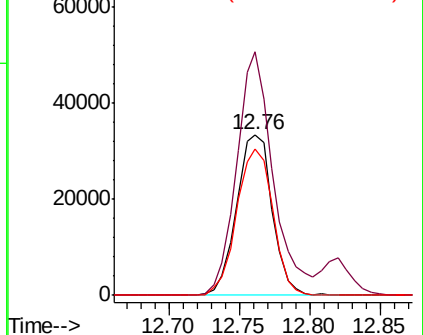
158 92.6 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.817 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063896.D

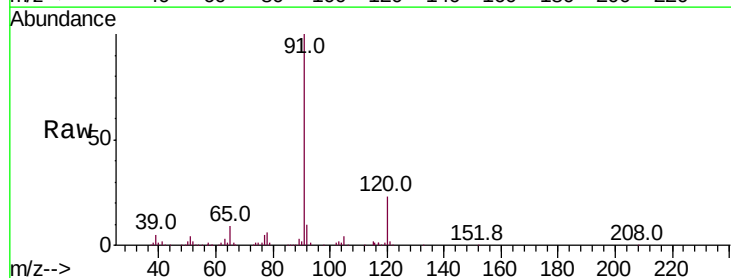
Acq: 07 Oct 2019 12:49

Tgt Ion: 91 Resp: 266234

Ion Ratio Lower Upper

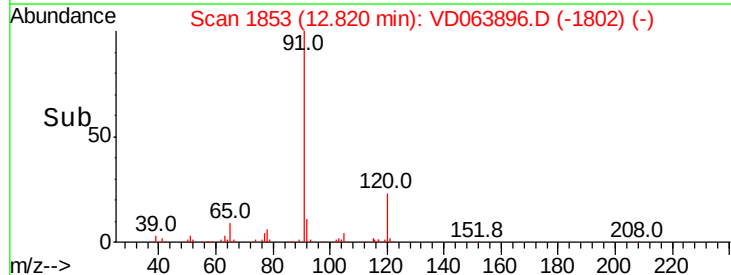
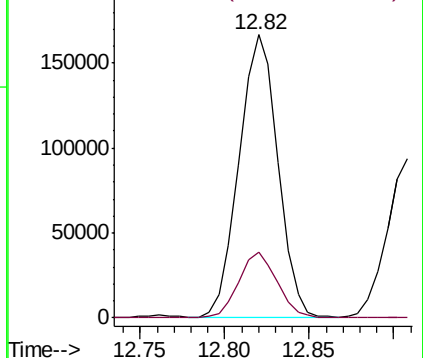
91 100

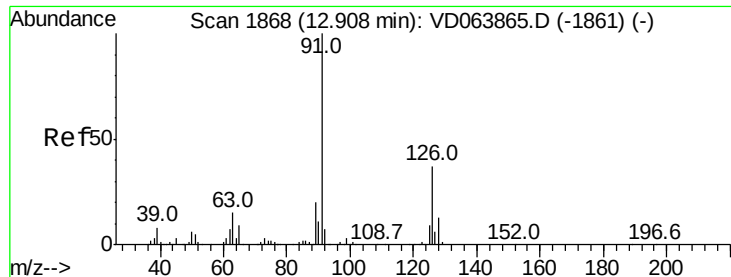
120 23.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.756 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

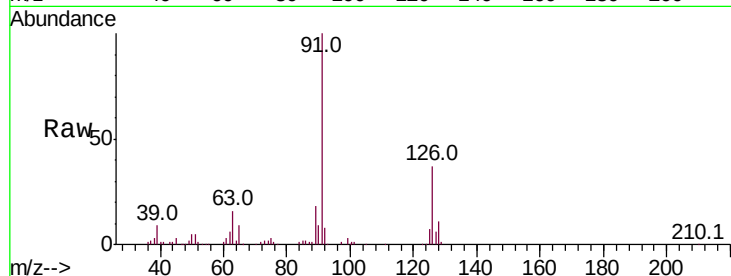
ClientSampled :

Tot Ion: 91 Resp: 146390

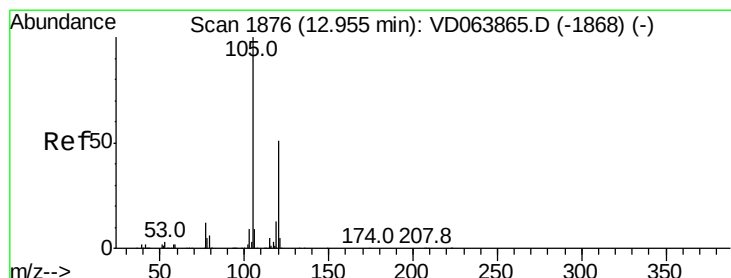
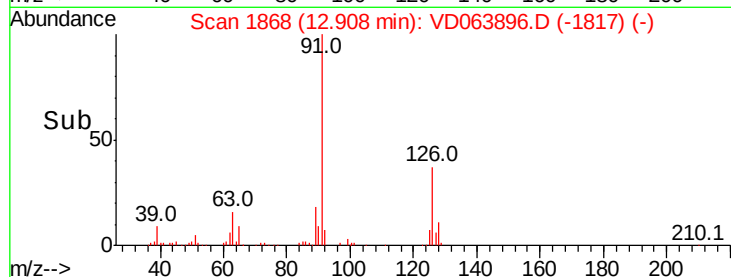
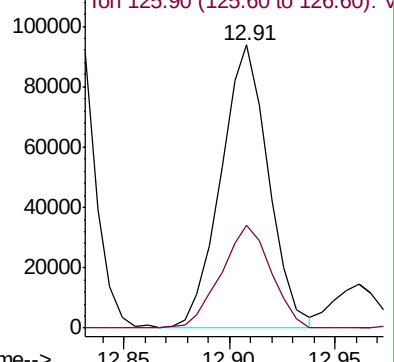
Ion Ratio Lower Upper

91 100

126 38.3 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): VD063896.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.612 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063896.D

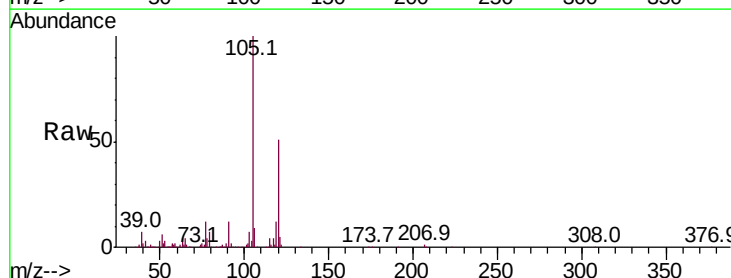
Acq: 07 Oct 2019 12:49

Tgt Ion:105 Resp: 187450

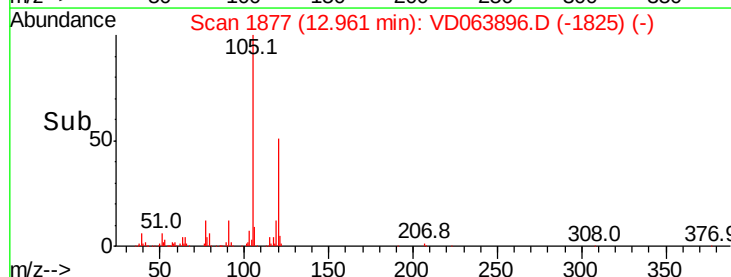
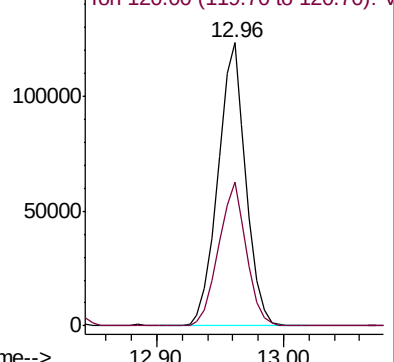
Ion Ratio Lower Upper

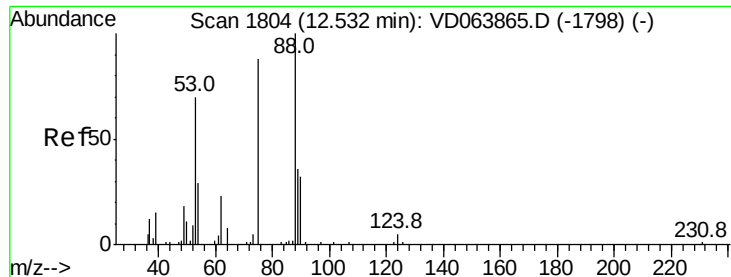
105 100

120 50.8 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): VD063896.D (-1825) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 23.238 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

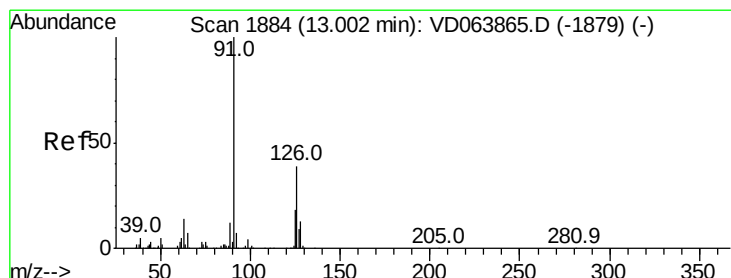
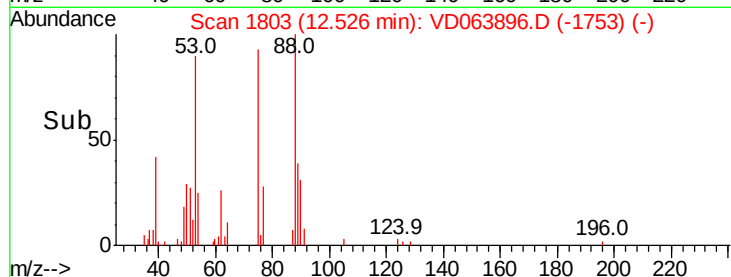
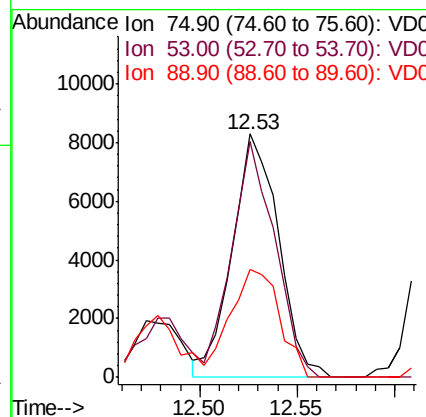
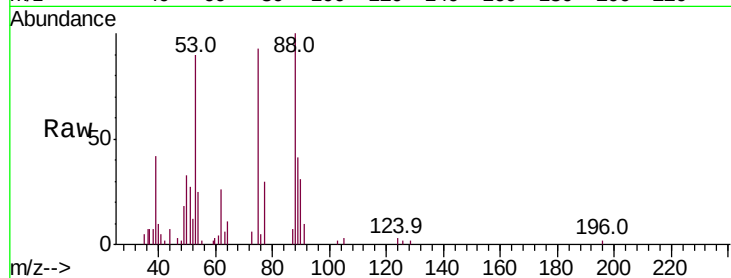
Tot Ion: 75 Resp: 13602

Ion Ratio Lower Upper

75 100

53 90.2 75.0 112.6

89 47.1 38.2 57.4



#82

4-Chlorotoluene

Concen: 21.502 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VD063896.D

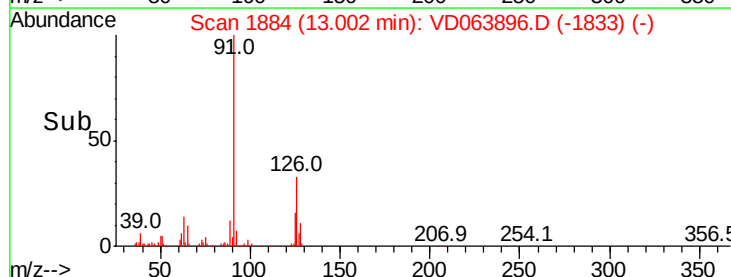
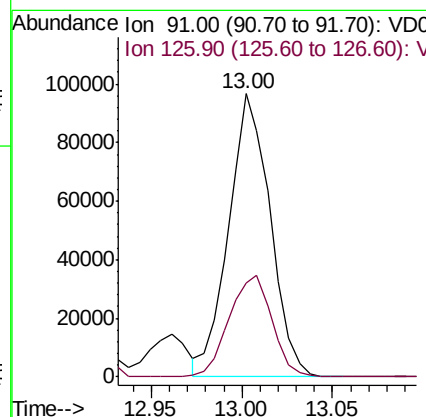
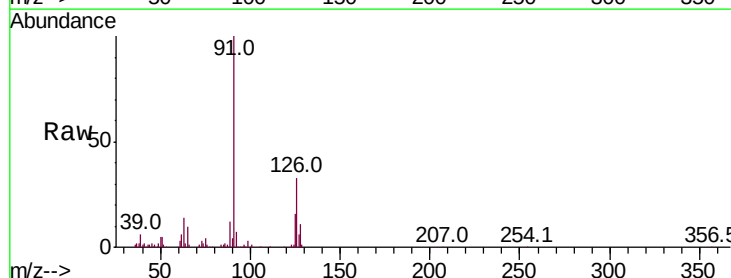
Acq: 07 Oct 2019 12:49

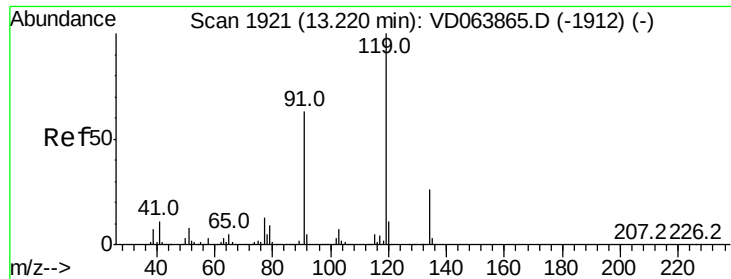
Tgt Ion: 91 Resp: 153479

Ion Ratio Lower Upper

91 100

126 37.0 18.6 55.8

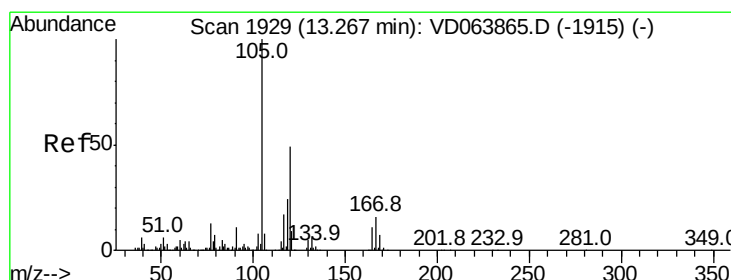
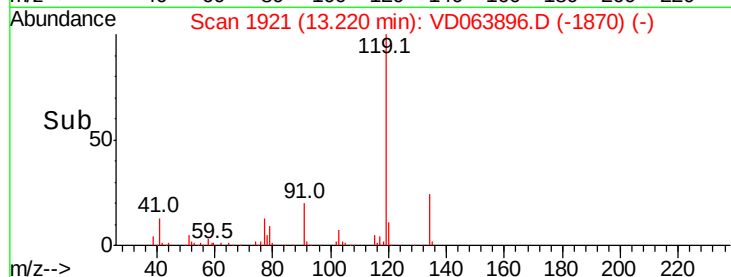
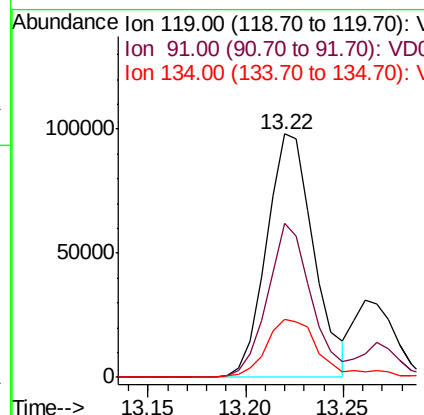
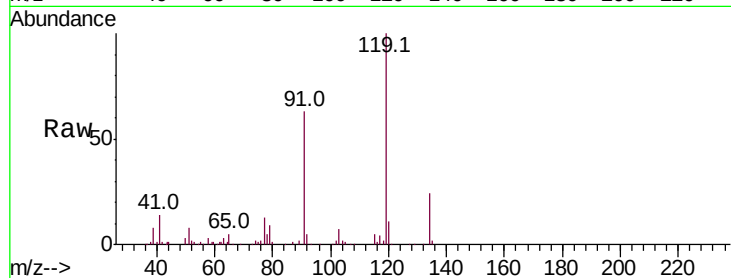




#83
 tert-Butylbenzene
 Concen: 21.262 ug/l
 RT: 13.22 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

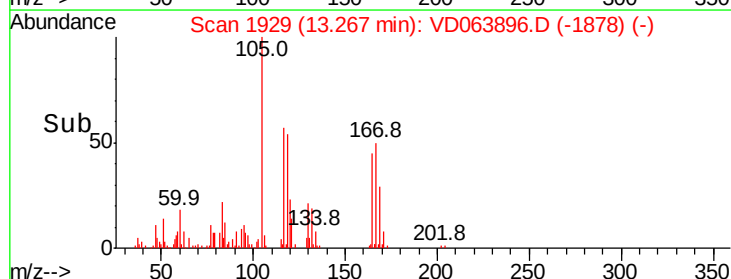
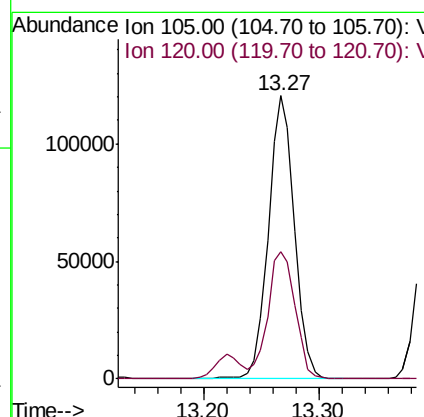
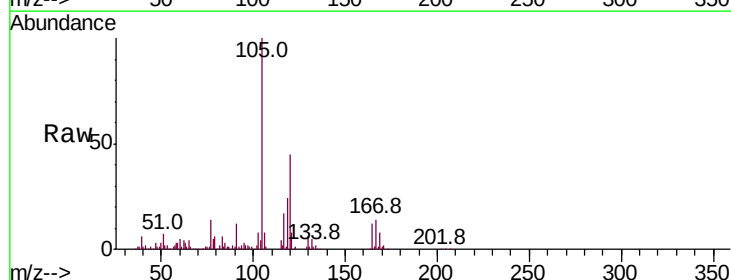
Instrument :
 MSVOA_D
 ClientSampled :

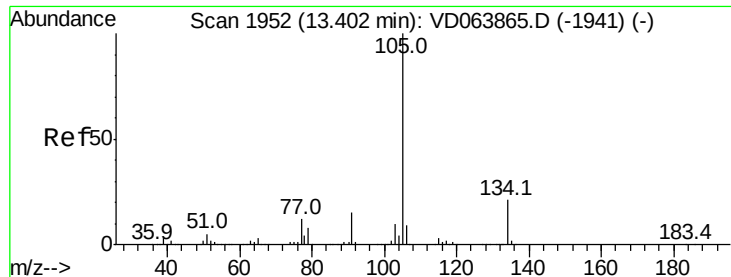
Tot Ion	Ratio	Lower	Upper
119	100		
91	58.4	30.0	90.0
134	27.4	13.0	38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 21.141 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.8	71.5





#85

sec-Butylbenzene

Concen: 21.575 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

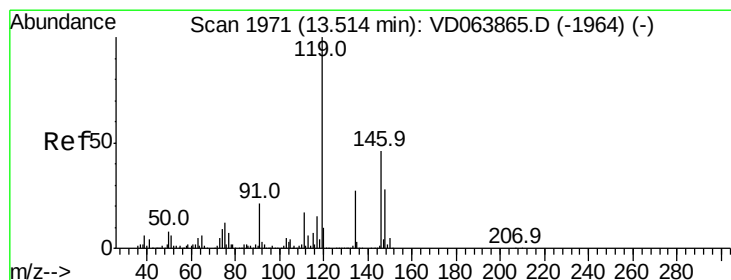
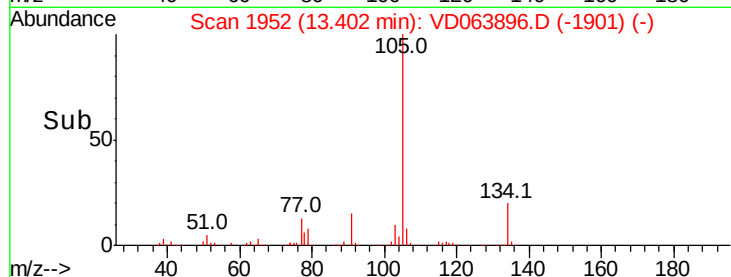
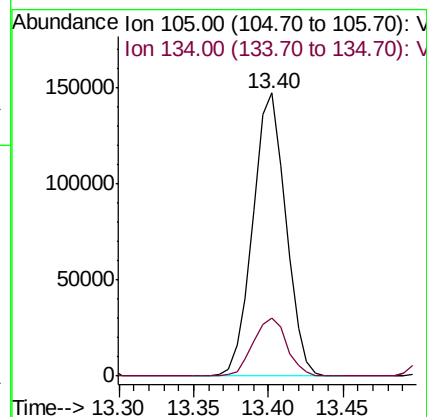
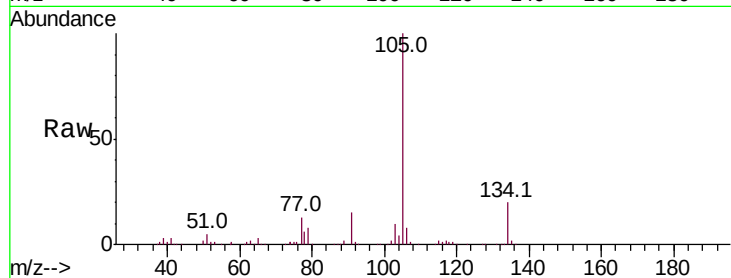
ClientSampleId :

Tot Ion:105 Resp: 224911

Ion Ratio Lower Upper

105 100

134 20.9 10.6 31.8



#86

p-Isopropyltoluene

Concen: 21.234 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

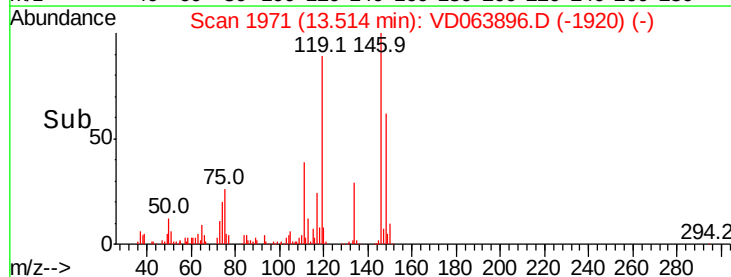
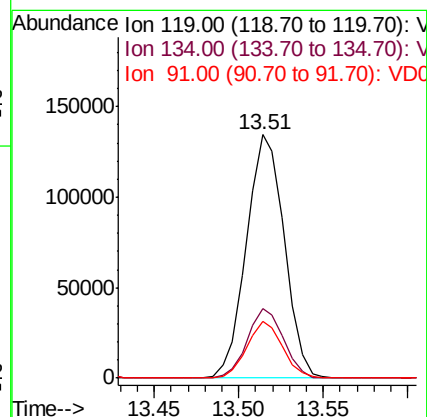
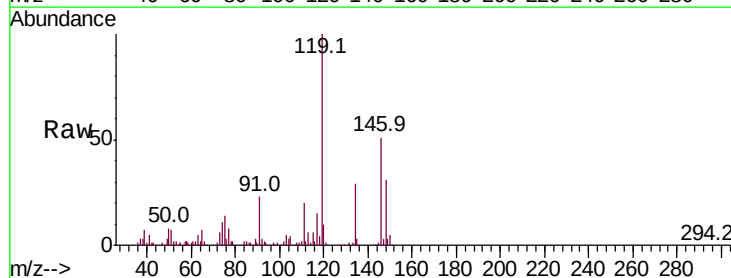
Tgt Ion:119 Resp: 209458

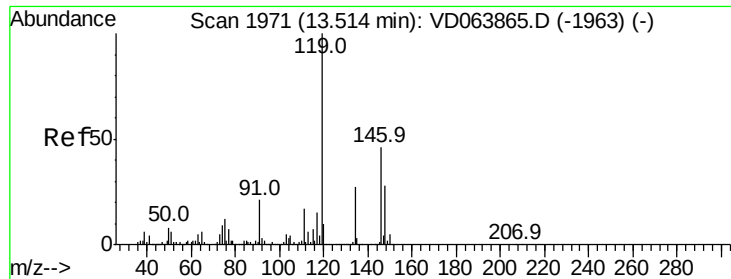
Ion Ratio Lower Upper

119 100

134 27.6 13.9 41.6

91 22.1 11.2 33.5

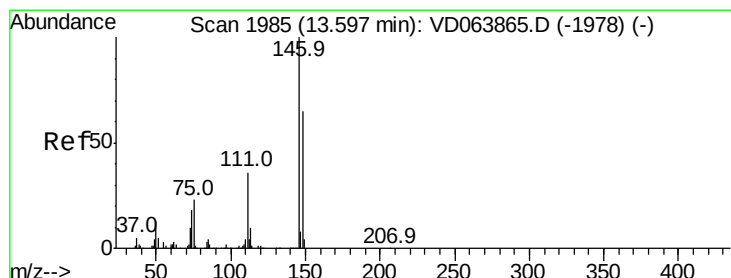
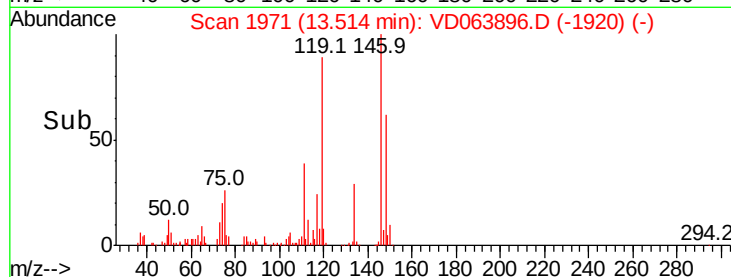
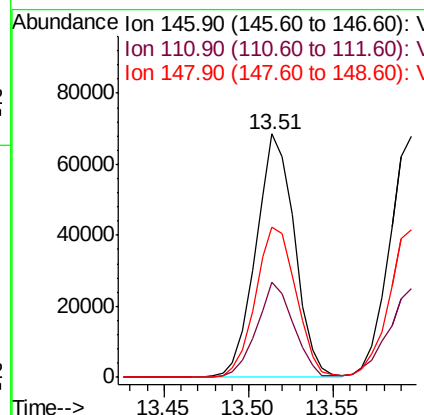
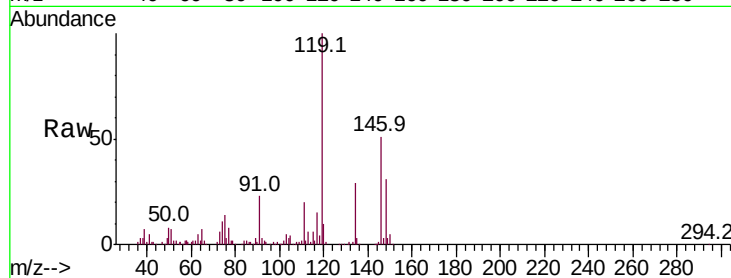




#87
 1,3-Dichlorobenzene
 Concen: 21.271 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

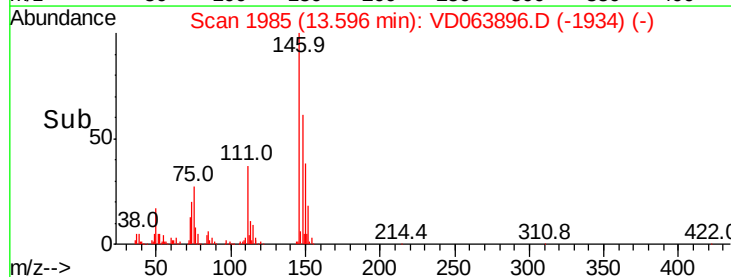
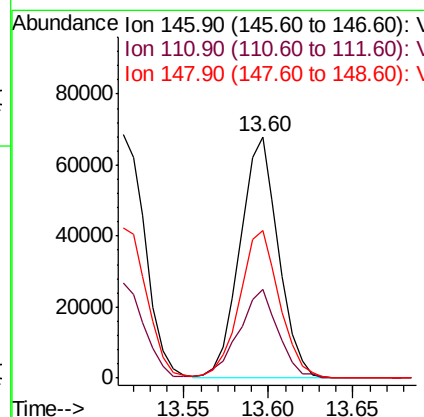
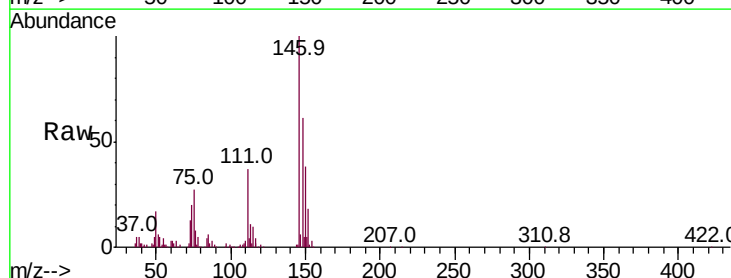
Instrument :
 MSVOA_D
 ClientSampleId :

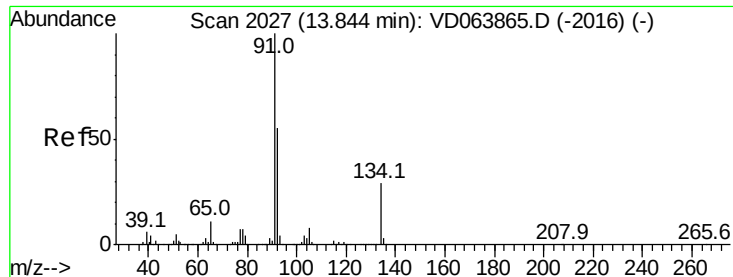
Tot Ion:146 Resp: 108862
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.3 54.9
 148 64.5 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.318 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Tgt Ion:146 Resp: 107638
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.6 56.0
 148 63.5 32.6 98.0

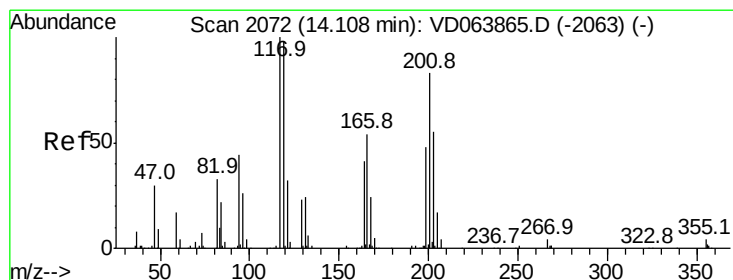
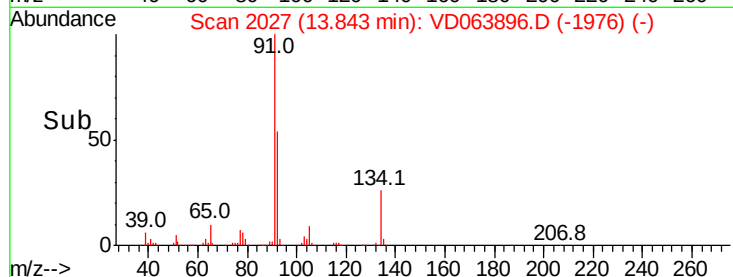
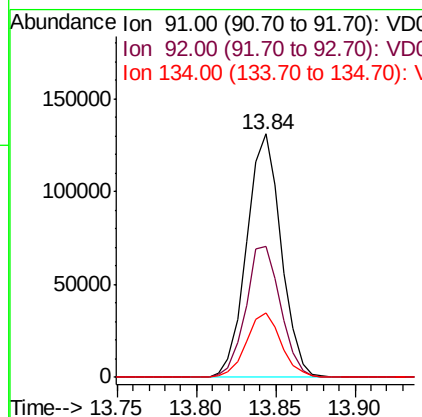
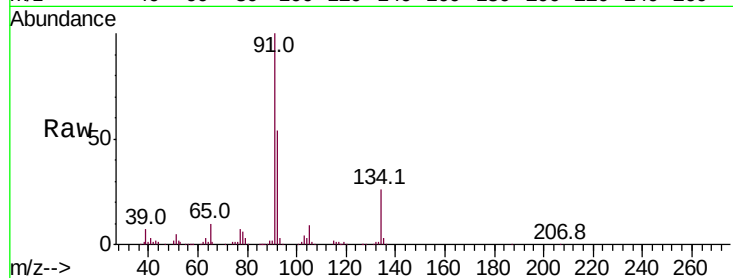




#89
n-Butylbenzene
Concen: 21.477 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

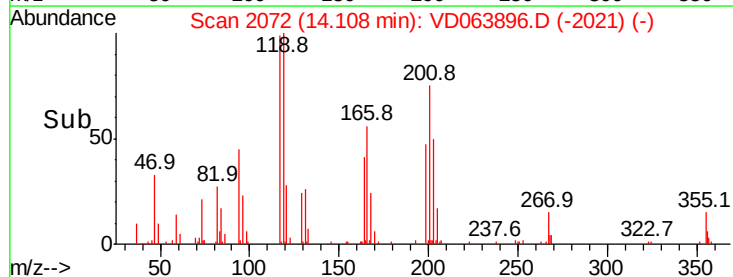
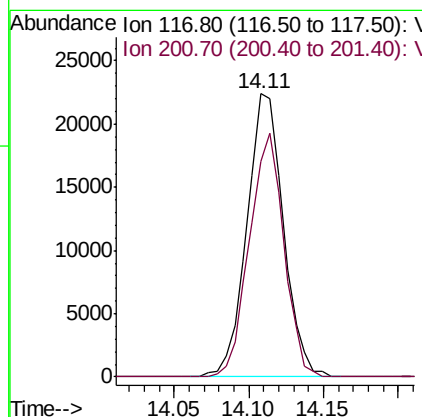
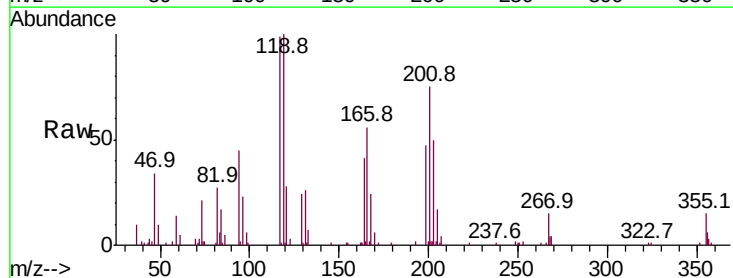
Instrument :
MSVOA_D
ClientSampleId :

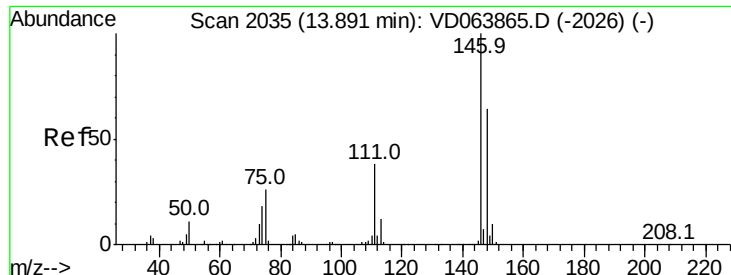
Tot Ion: 91 Resp: 197200
Ion Ratio Lower Upper
91 100
92 55.1 26.8 80.3
134 26.8 14.4 43.0



#90
Hexachloroethane
Concen: 21.345 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion: 117 Resp: 37870
Ion Ratio Lower Upper
117 100
201 81.1 40.6 121.7

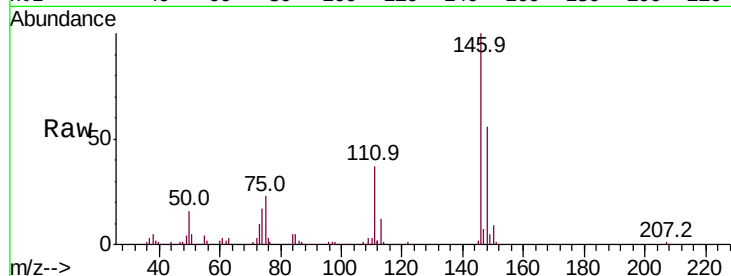




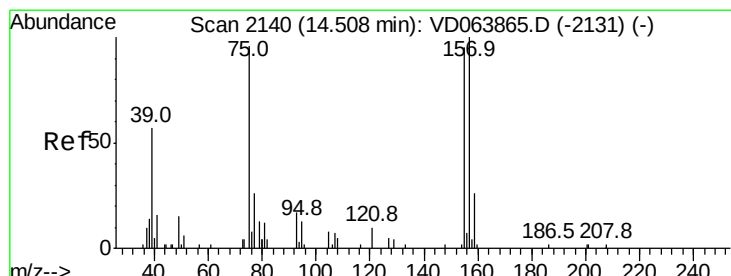
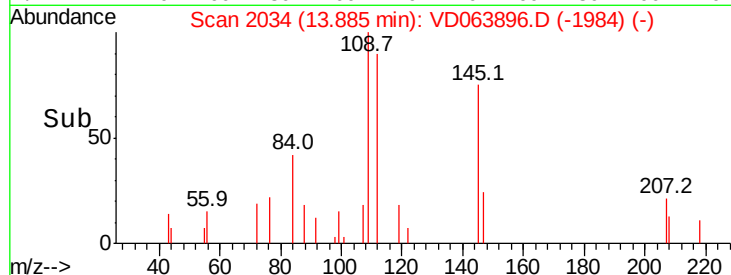
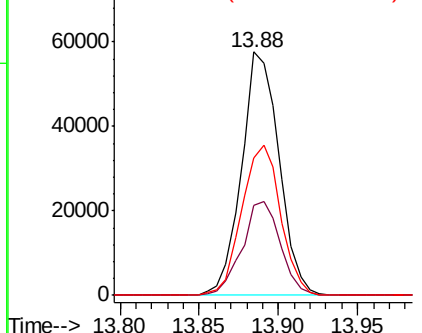
#91
 1,2-Dichlorobenzene
 Concen: 21.484 ug/l
 RT: 13.88 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.6	55.6
148	63.8	31.6	95.0

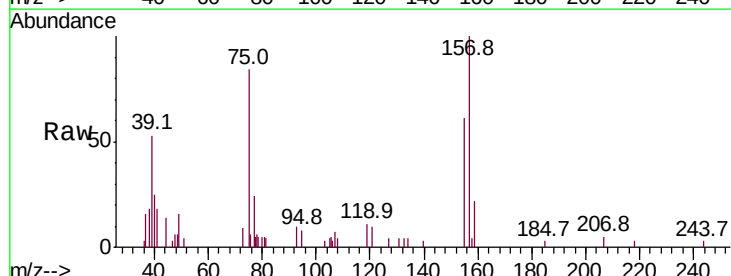


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

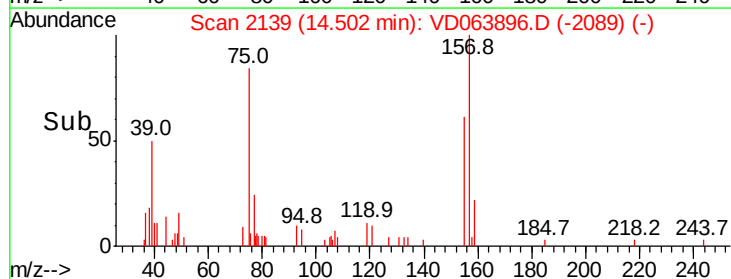
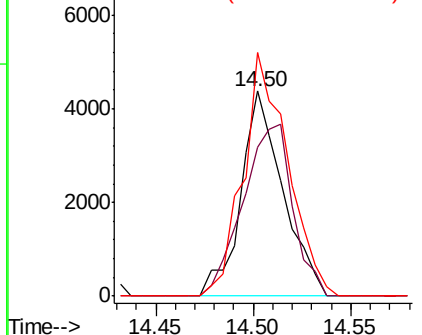


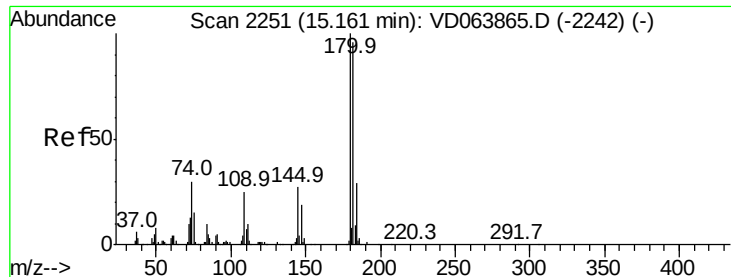
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.814 ug/l
 RT: 14.50 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.1	43.9	131.6
157	125.9	56.0	167.9



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

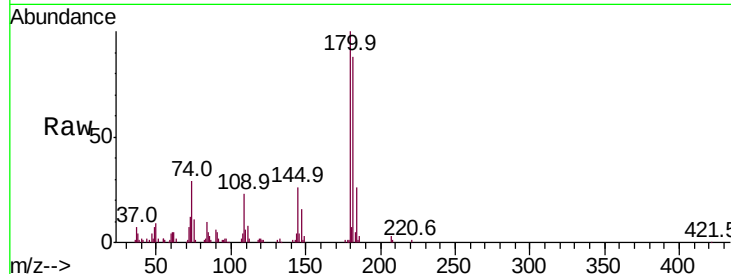




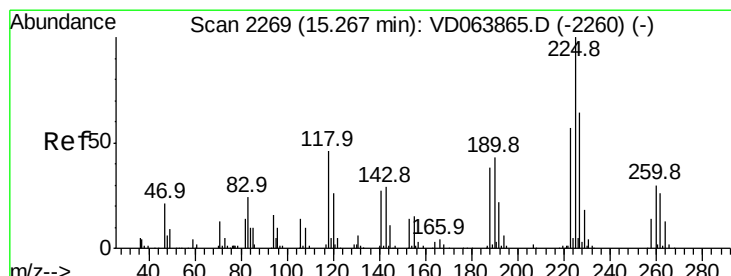
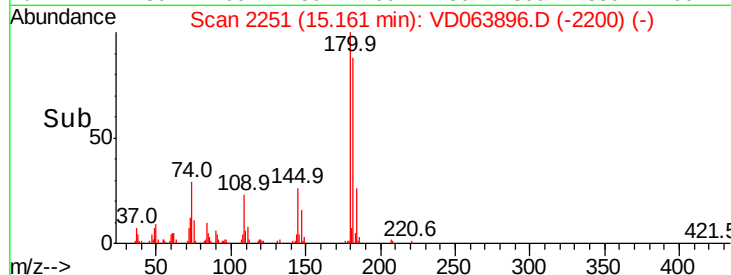
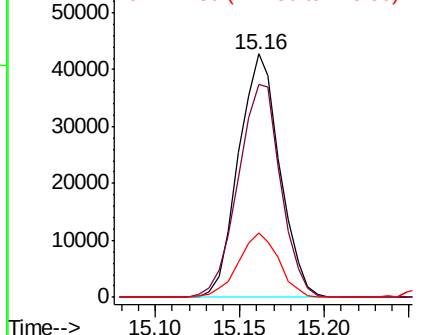
#93
 1,2,4-Trichlorobenzene
 Concen: 21.266 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.8	47.4	142.3
145	26.1	13.9	41.7

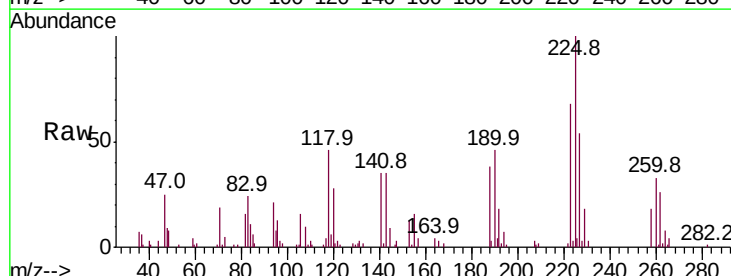


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

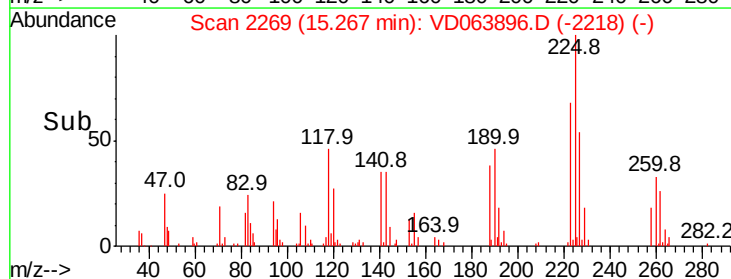
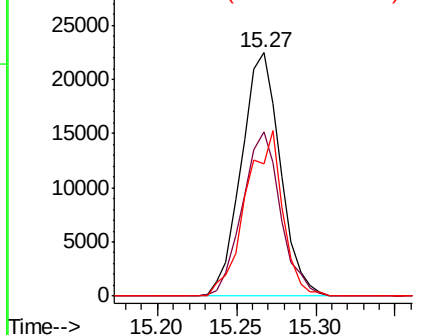


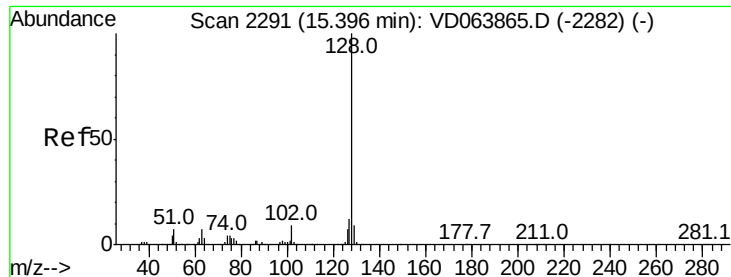
#94
 Hexachlorobutadiene
 Concen: 20.452 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.0	29.5	88.6
227	64.1	30.8	92.4



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





#95

Naphthalene

Concen: 21.354 ug/l

RT: 15.40 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

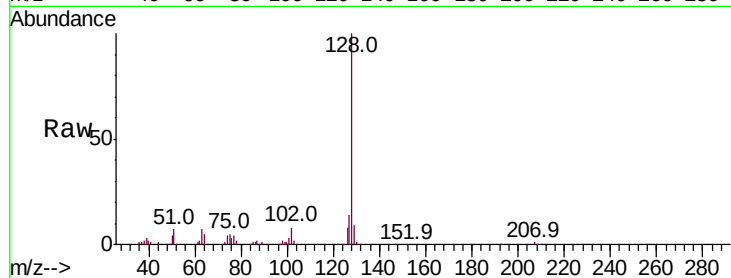
Tot Ion:128 Resp: 122147

Ion Ratio Lower Upper

128 100

127 14.5 10.6 16.0

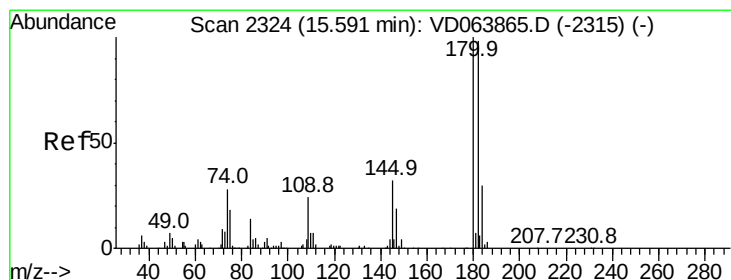
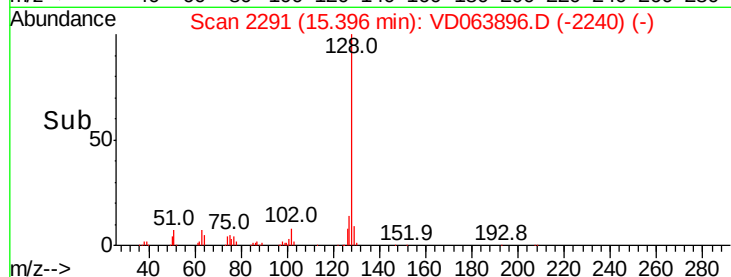
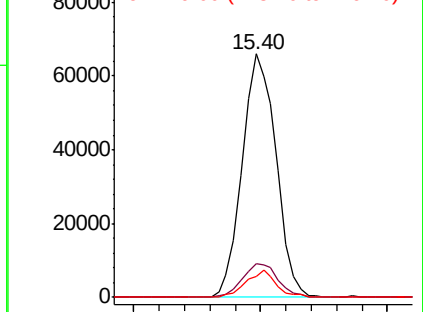
129 9.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.133 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

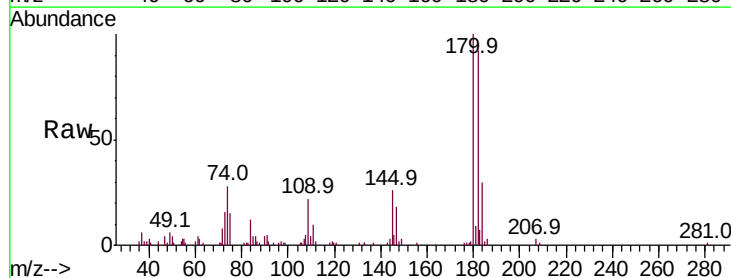
Tgt Ion:180 Resp: 62051

Ion Ratio Lower Upper

180 100

182 95.7 47.0 141.0

145 30.5 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

