

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102919\
 Data File : VD064091.D
 Acq On : 29 Oct 2019 16:21
 Operator : VA/SY
 Sample : VD1029SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 30 08:06:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	240134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	355745	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	342684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	177601	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	103736	54.32	ug/l	0.00
Spiked Amount						
			Recovery	=	108.64%	
35) Dibromofluoromethane	7.92	113	112228	51.28	ug/l	0.00
Spiked Amount						
			Recovery	=	102.56%	
50) Toluene-d8	10.34	98	451426	51.58	ug/l	0.00
Spiked Amount						
			Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.64	95	145866	50.27	ug/l	0.00
Spiked Amount						
			Recovery	=	100.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	53480	21.810	ug/l	90
3) Chloromethane	2.21	50	88365	21.599	ug/l	98
4) Vinyl Chloride	2.35	62	93721	21.125	ug/l	96
5) Bromomethane	2.76	94	58954	20.390	ug/l	97
6) Chloroethane	2.93	64	56029	20.333	ug/l	91
7) Trichlorofluoromethane	3.27	101	127366	20.854	ug/l	98
8) Diethyl Ether	3.71	74	20748	19.544	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	47943	21.783	ug/l	93
10) Methyl Iodide	4.29	142	51218	18.783	ug/l	99
11) Tert butyl alcohol	5.23	59	2089	24.729	ug/l #	41
12) 1,1-Dichloroethene	4.06	96	42741	20.518	ug/l	93
13) Acrolein	3.93	56	11623	95.448	ug/l	93
14) Allyl chloride	4.70	41	51787	21.241	ug/l	99
15) Acrylonitrile	5.43	53	39463	100.635	ug/l	97
16) Acetone	4.17	43	36257	99.778	ug/l #	87
17) Carbon Disulfide	4.40	76	130969	20.460	ug/l	98
18) Methyl Acetate	4.73	43	21585	22.331	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	82821	19.594	ug/l	94
20) Methylene Chloride	4.96	84	54583	21.162	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	48359	20.681	ug/l	95
22) Diisopropyl ether	6.37	45	109266	20.236	ug/l	98
23) Vinyl Acetate	6.31	43	309614	104.609	ug/l #	93
24) 1,1-Dichloroethane	6.26	63	73292	20.101	ug/l	96
25) 2-Butanone	7.23	43	49795	99.123	ug/l	99
26) 2,2-Dichloropropane	7.21	77	66689	19.271	ug/l	95
27) cis-1,2-Dichloroethene	7.21	96	52746	20.159	ug/l	99
28) Bromochloromethane	7.56	49	19968	15.667	ug/l	90
29) Tetrahydrofuran	7.57	42	31750	108.294	ug/l	96
30) Chloroform	7.71	83	85233	20.428	ug/l	97
31) Cyclohexane	7.98	56	69252	19.495	ug/l #	93
32) 1,1,1-Trichloroethane	7.90	97	78641	20.248	ug/l	96
36) 1,1-Dichloropropene	8.11	75	68184	20.455	ug/l	98
37) Ethyl Acetate	7.30	43	22024	21.465	ug/l #	87
38) Carbon Tetrachloride	8.10	117	75061	20.638	ug/l	89

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 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	85164	20.812	ug/l	97
40) Benzene	8.36	78	180428	19.849	ug/l	97
41) Methacrylonitrile	7.52	41	10185	17.201	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	50705	21.117	ug/l	99
43) Isopropyl Acetate	8.46	43	42446	20.470	ug/l	99
44) Trichloroethene	9.11	130	57691	20.939	ug/l	96
45) 1,2-Dichloropropane	9.39	63	41757	19.822	ug/l	99
46) Dibromomethane	9.48	93	24912	19.635	ug/l	98
47) Bromodichloromethane	9.67	83	65079	20.332	ug/l	98
48) Methyl methacrylate	9.46	41	19759	20.606	ug/l	95
49) 1,4-Dioxane	9.47	88	6410	441.365	ug/l #	85
51) 4-Methyl-2-Pentanone	10.24	43	115913	102.683	ug/l	96
52) Toluene	10.41	92	128861	20.228	ug/l	94
53) t-1,3-Dichloropropene	10.63	75	60751	20.333	ug/l #	85
54) cis-1,3-Dichloropropene	10.09	75	70234	19.980	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	37245	20.705	ug/l	96
56) Ethyl methacrylate	10.67	69	37793	19.261	ug/l	95
57) 1,3-Dichloropropane	10.95	76	57239	19.240	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	78813	100.006	ug/l	98
59) 2-Hexanone	10.99	43	78180	94.178	ug/l	98
60) Dibromochloromethane	11.14	129	49196	20.150	ug/l	99
61) 1,2-Dibromoethane	11.25	107	35431	19.693	ug/l	96
64) Tetrachloroethene	10.88	164	52270	21.232	ug/l	94
65) Chlorobenzene	11.67	112	142358	20.105	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	51602	19.477	ug/l	97
67) Ethyl Benzene	11.75	91	255003	20.248	ug/l	99
68) m/p-Xylenes	11.85	106	198290	39.144	ug/l	97
69) o-Xylene	12.18	106	90217	19.515	ug/l	98
70) Styrene	12.20	104	159386	19.990	ug/l	100
71) Bromoform	12.37	173	28419	20.084	ug/l #	97
73) Isopropylbenzene	12.48	105	251747	20.398	ug/l	98
74) N-amyl acetate	12.29	43	43420	21.177	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	39652	20.384	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	51410	43.079	ug/l #	100
77) Bromobenzene	12.77	156	61513	20.643	ug/l	99
78) n-propylbenzene	12.83	91	301189	20.825	ug/l	100
79) 2-Chlorotoluene	12.91	91	160976	20.764	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	214416	20.759	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	12111	20.726	ug/l	88
82) 4-Chlorotoluene	13.01	91	171553	20.709	ug/l	97
83) tert-Butylbenzene	13.23	119	186894	20.146	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	215047	20.725	ug/l	100
85) sec-Butylbenzene	13.41	105	262419	20.598	ug/l	99
86) p-Isopropyltoluene	13.52	119	244723	20.444	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	123771	20.727	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	118498	20.130	ug/l	97
89) n-Butylbenzene	13.85	91	228521	20.698	ug/l	99
90) Hexachloroethane	14.12	117	46492	20.745	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	104610	20.356	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5949	20.940	ug/l	94

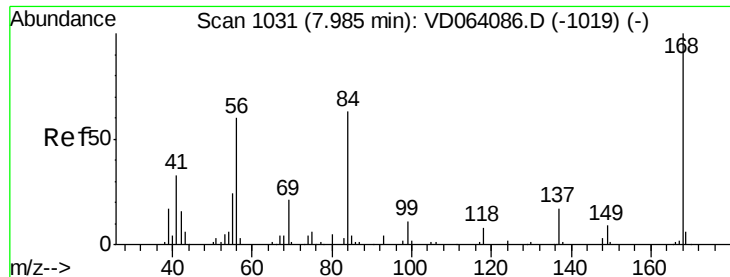
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	78093	21.140	ug/l	99
94) Hexachlorobutadiene	15.27	225	46103	21.354	ug/l	99
95) Naphthalene	15.41	128	130137	21.601	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	65616	20.507	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: VD064091.D

Acq: 29 Oct 2019 16:21

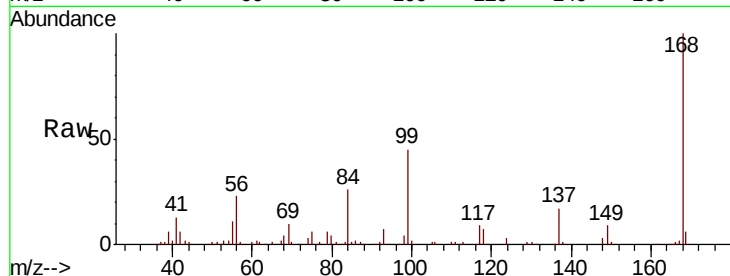
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 240134

Ion Ratio Lower Upper

168 100

99 45.4 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

60000

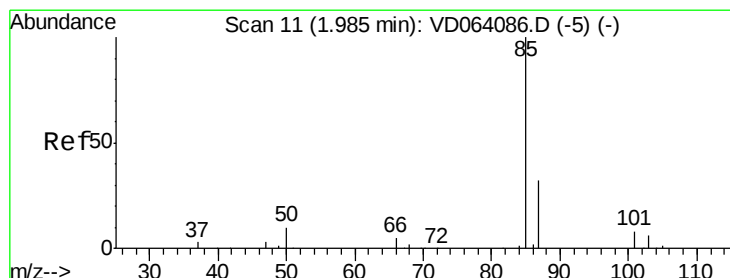
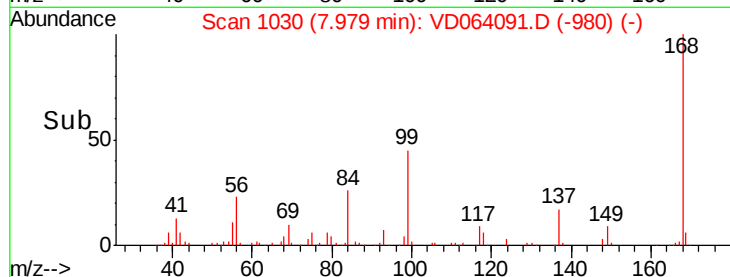
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.810 ug/l

RT: 1.98 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD064091.D

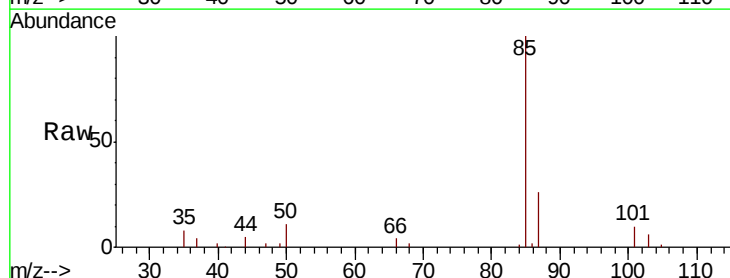
Acq: 29 Oct 2019 16:21

Tgt Ion: 85 Resp: 53480

Ion Ratio Lower Upper

85 100

87 26.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

40000

30000

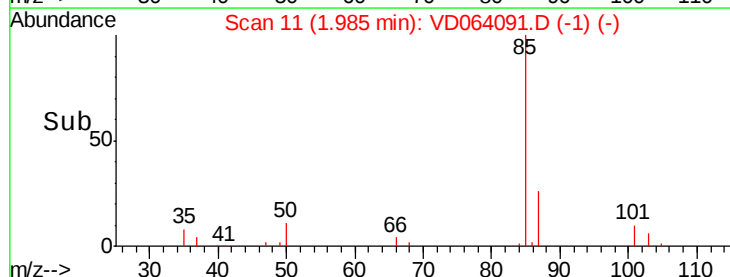
20000

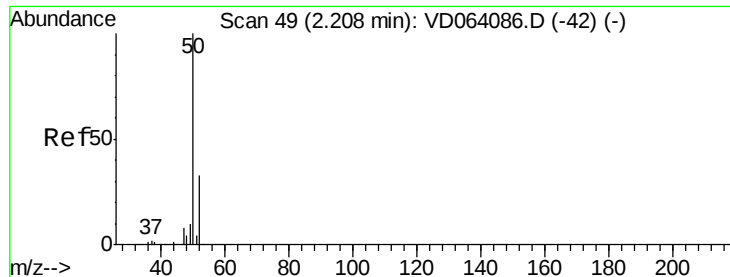
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.599 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

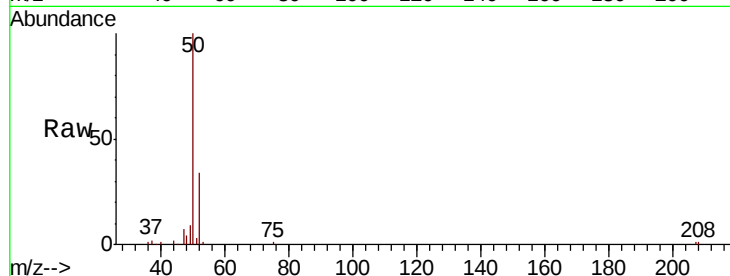
ClientSampleId :

Tot Ion: 50 Resp: 88365

Ion Ratio Lower Upper

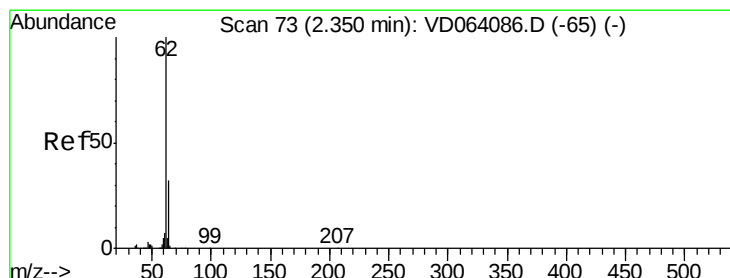
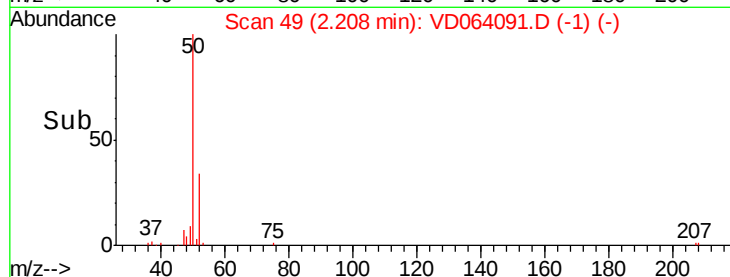
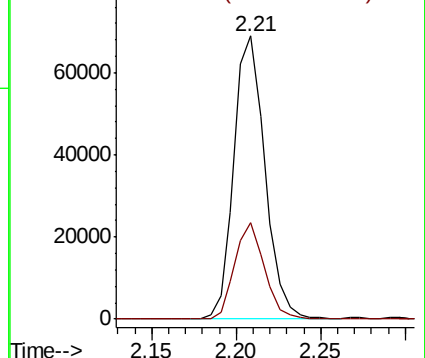
50 100

52 34.1 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.125 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064091.D

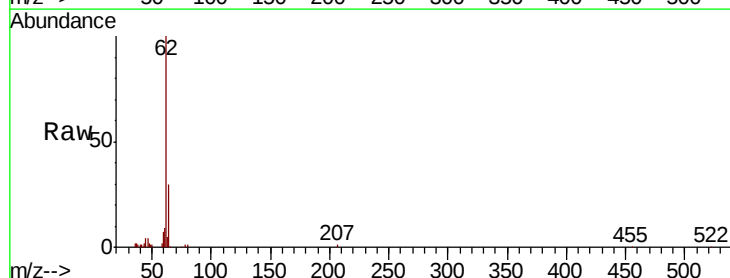
Acq: 29 Oct 2019 16:21

Tgt Ion: 62 Resp: 93721

Ion Ratio Lower Upper

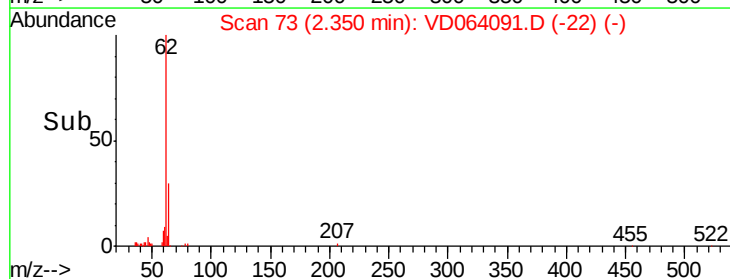
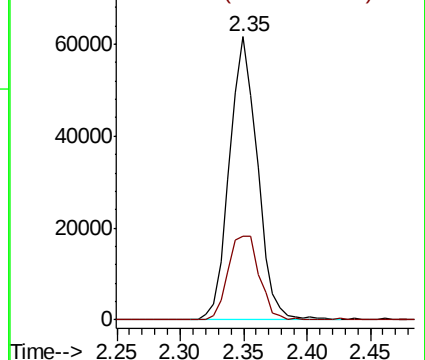
62 100

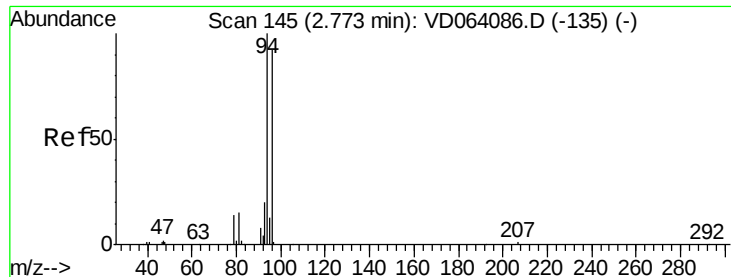
64 29.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.390 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

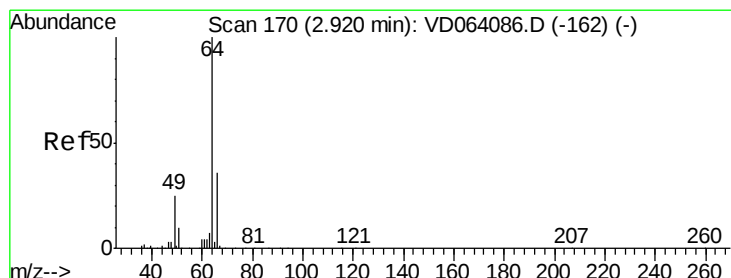
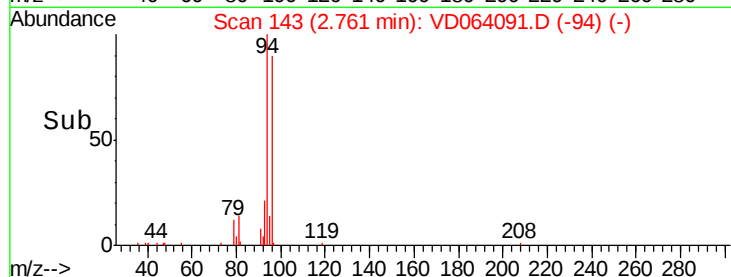
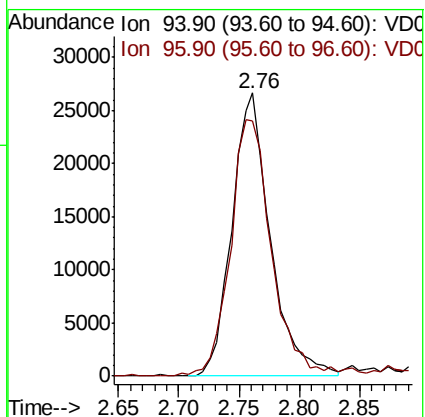
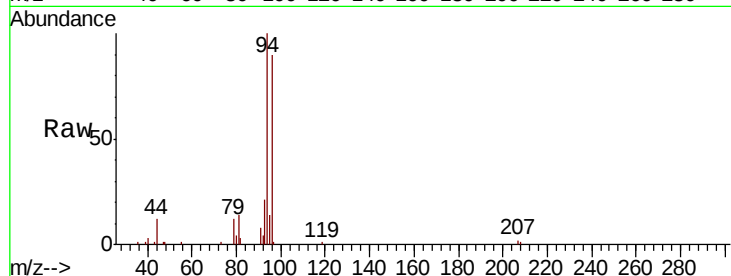
ClientSampleId :

Tot Ion: 94 Resp: 58954

Ion Ratio Lower Upper

94 100

96 89.8 73.9 110.9



#6

Chloroethane

Concen: 20.333 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064091.D

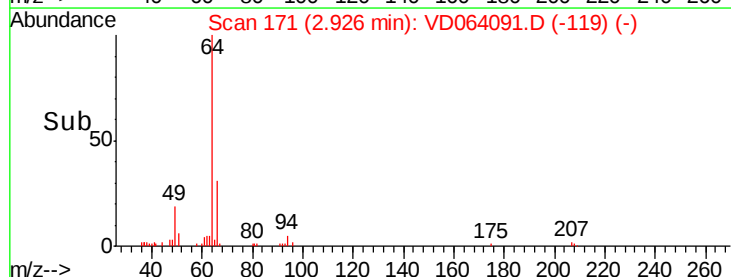
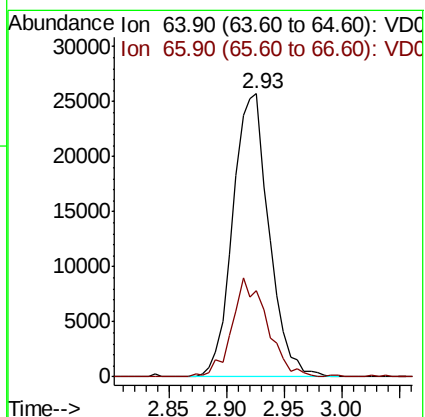
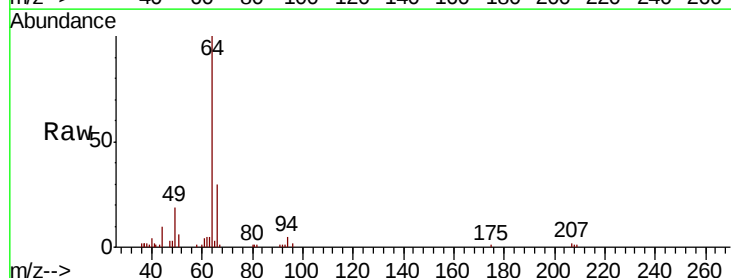
Acq: 29 Oct 2019 16:21

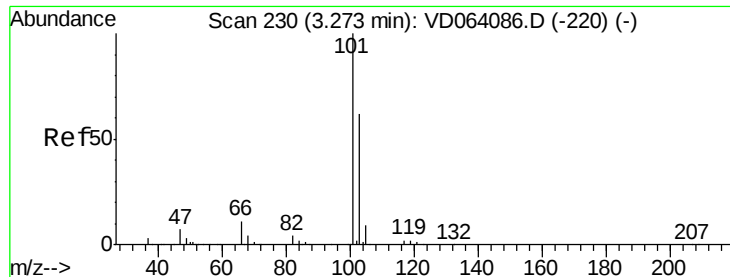
Tgt Ion: 64 Resp: 56029

Ion Ratio Lower Upper

64 100

66 30.4 28.7 43.1



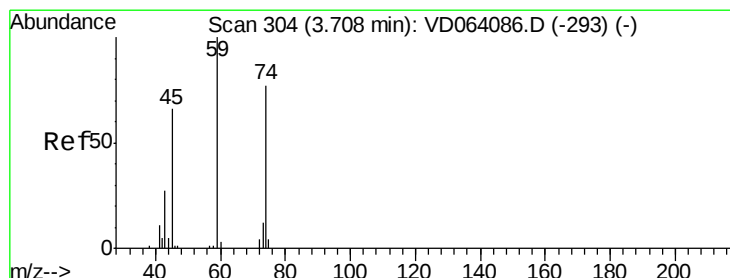
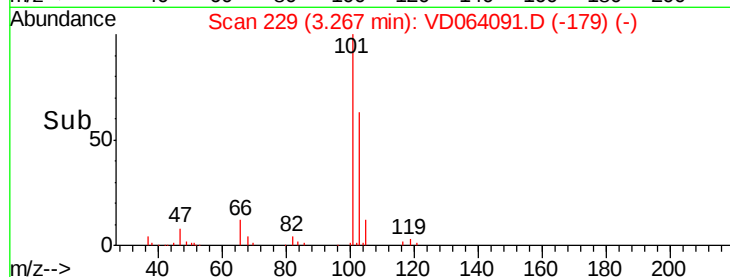
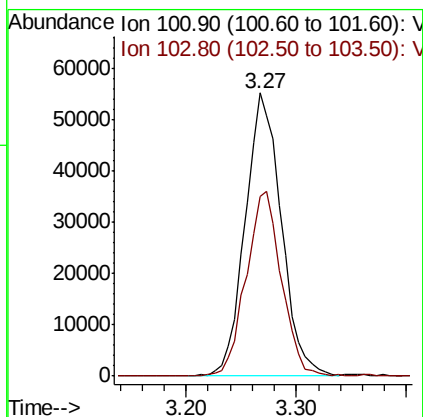
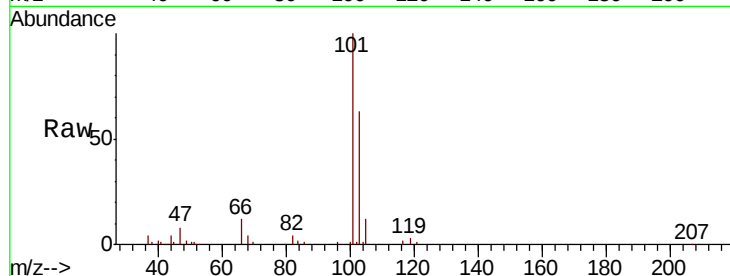


#7

Trichlorofluoromethane
Concen: 20.854 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :

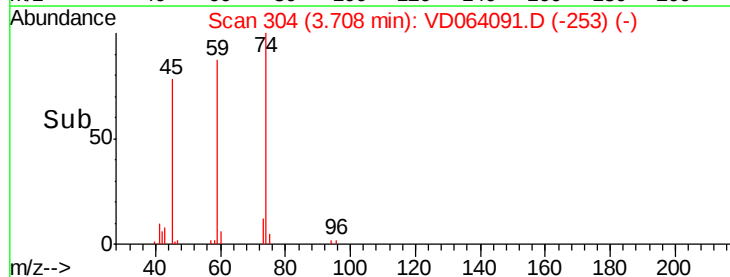
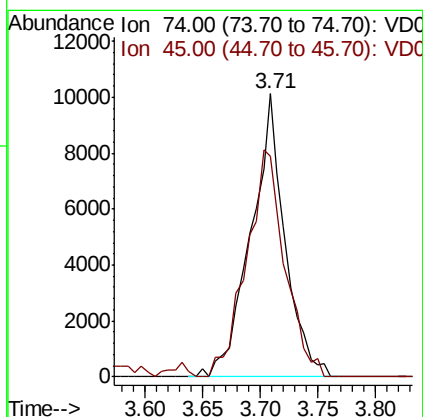
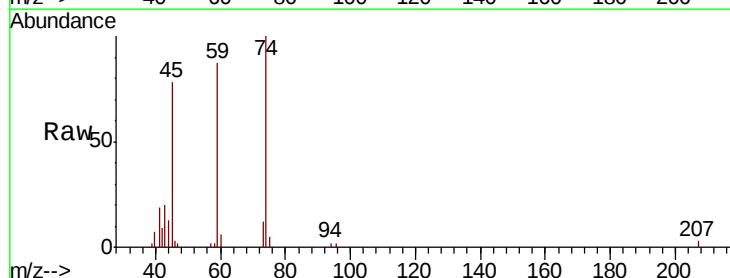
Tot Ion:101 Resp: 127366
Ion Ratio Lower Upper
101 100
103 63.3 49.6 74.4

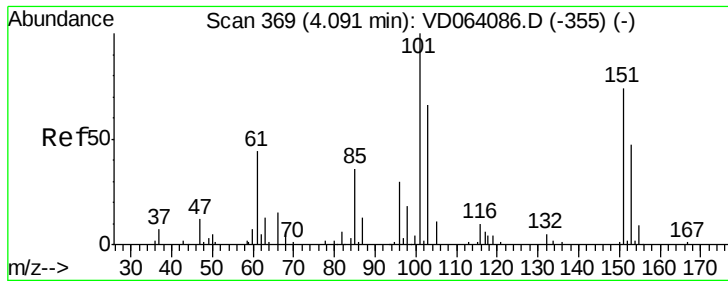


#8

Diethyl Ether
Concen: 19.544 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion: 74 Resp: 20748
Ion Ratio Lower Upper
74 100
45 90.4 44.1 132.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.783 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

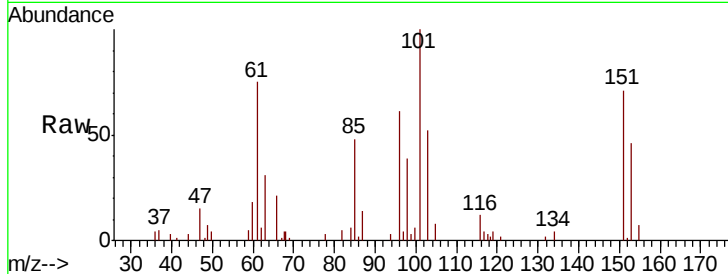
Tot Ion:101 Resp: 47943

Ion Ratio Lower Upper

101 100

85 42.0 35.3 52.9

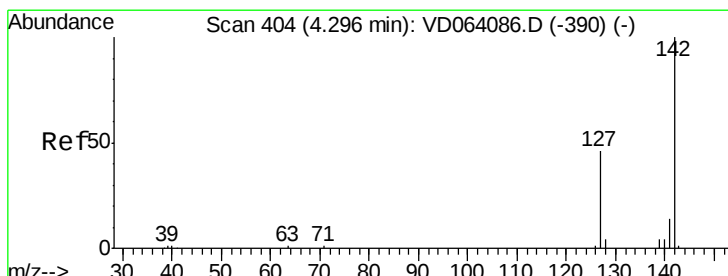
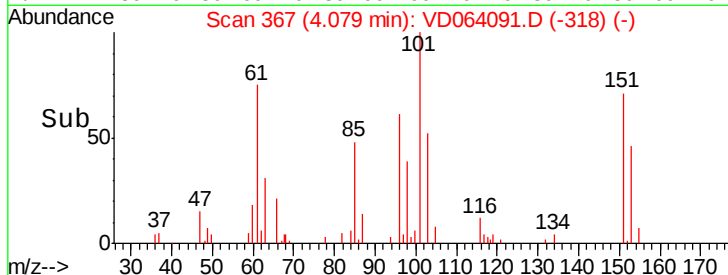
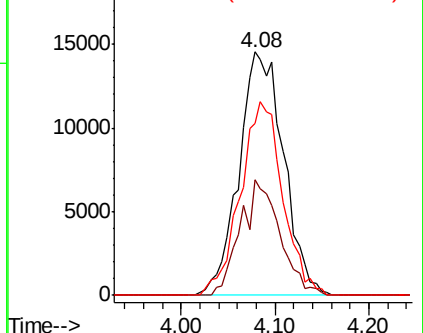
151 75.5 67.0 100.6



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: 18.783 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

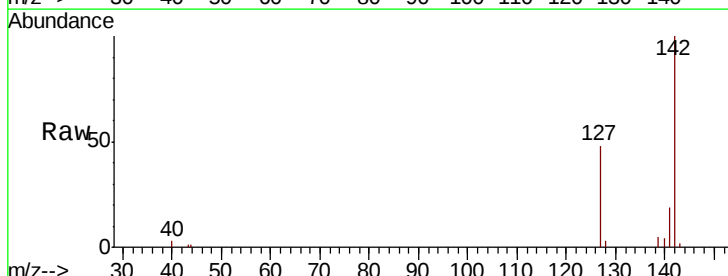
Tgt Ion:142 Resp: 51218

Ion Ratio Lower Upper

142 100

127 44.3 35.1 52.7

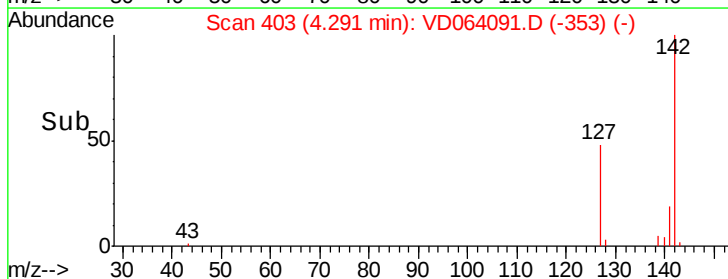
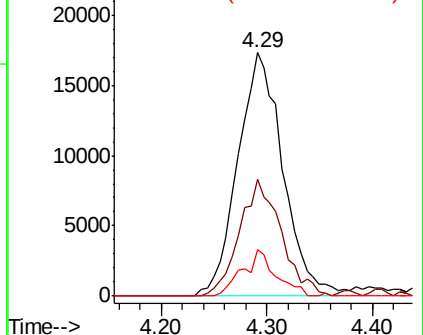
141 13.9 11.6 17.4

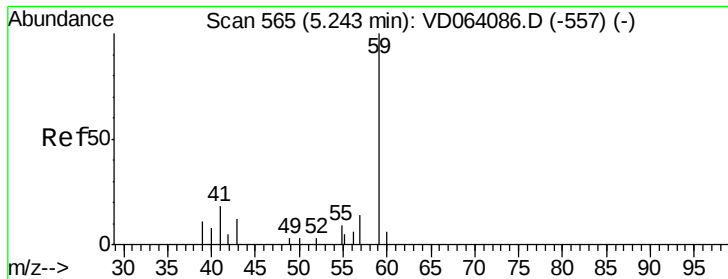


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



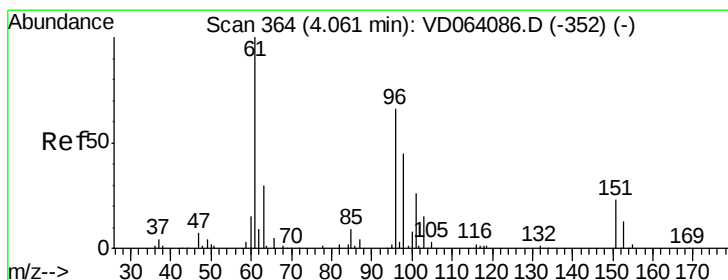
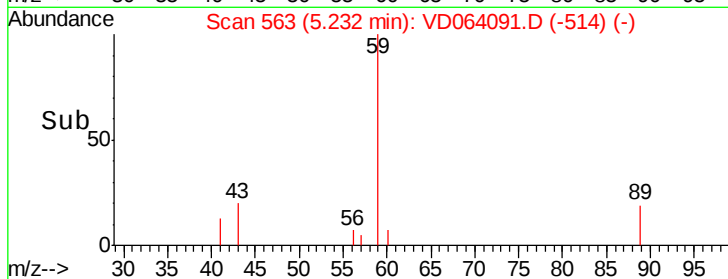
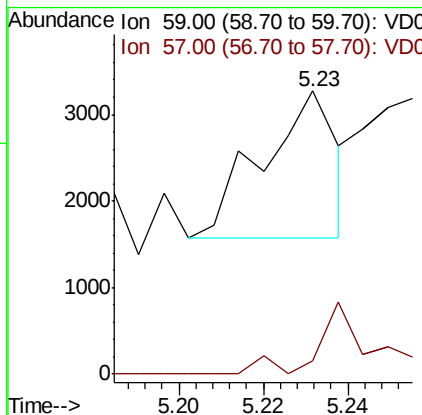
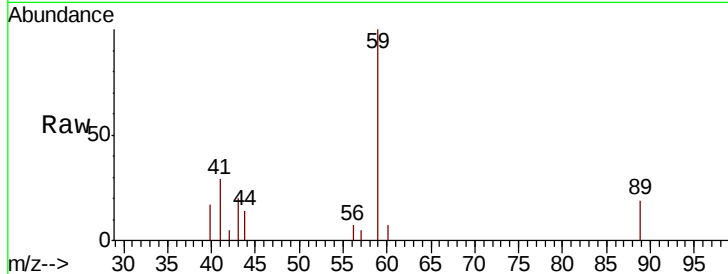


#11

Tert butyl alcohol
 Concen: 24.729 ug/l
 RT: 5.23 min Scan# 563
 Delta R.T. -0.01 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Instrument :
 MSVOA_D
 ClientSampled :

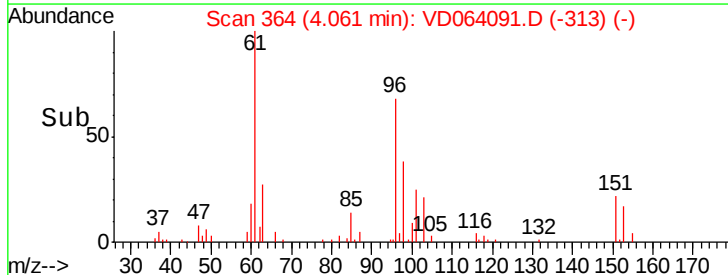
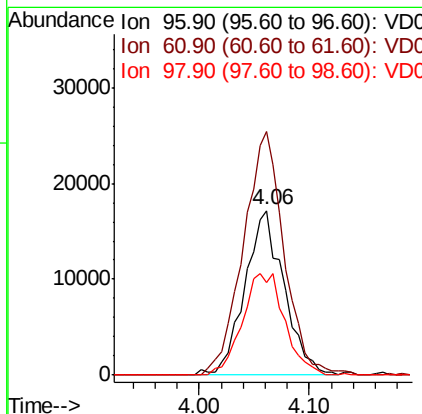
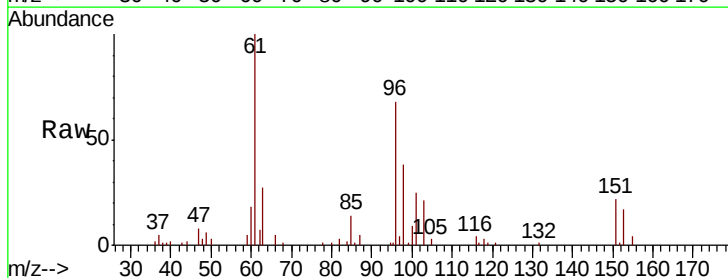
Tot Ion: 59 Resp: 2089
 Ion Ratio Lower Upper
 59 100
 57 33.1 8.7 13.1#

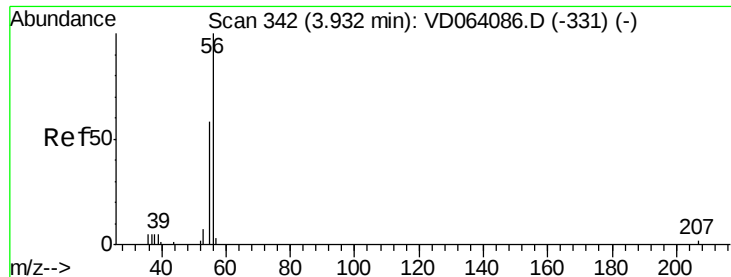


#12

1,1-Dichloroethene
 Concen: 20.518 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Tgt Ion: 96 Resp: 42741
 Ion Ratio Lower Upper
 96 100
 61 148.1 121.8 182.6
 98 56.0 55.4 83.0





#13

Acrolein

Concen: 95.448 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

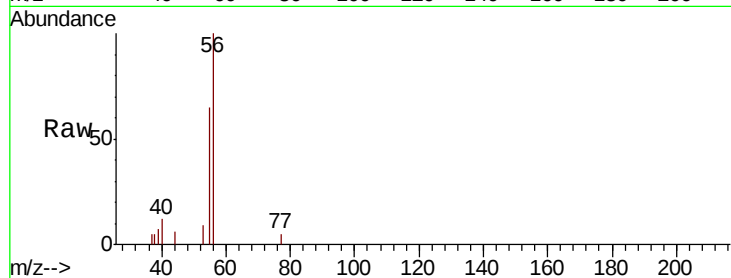
ClientSampled :

Tot Ion: 56 Resp: 11623

Ion Ratio Lower Upper

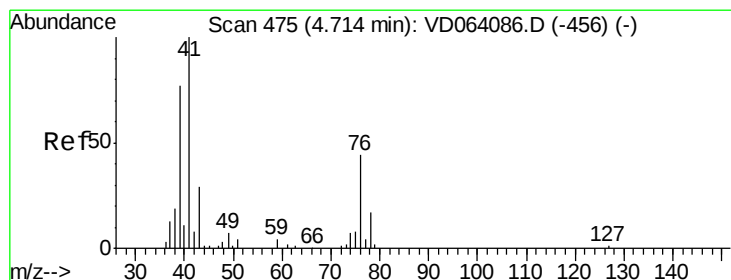
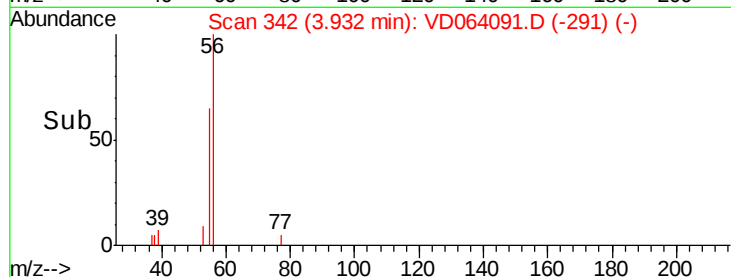
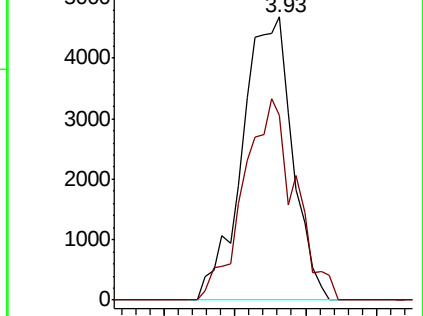
56 100

55 72.9 53.8 80.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.241 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

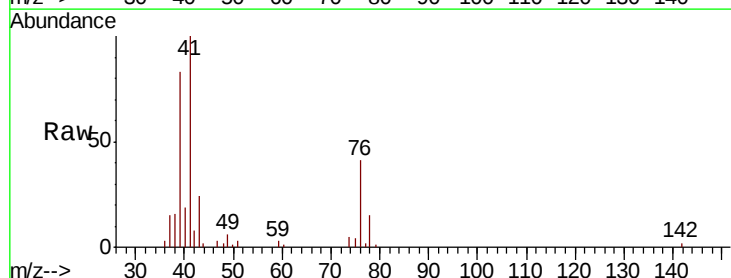
Tgt Ion: 41 Resp: 51787

Ion Ratio Lower Upper

41 100

39 77.9 61.5 92.3

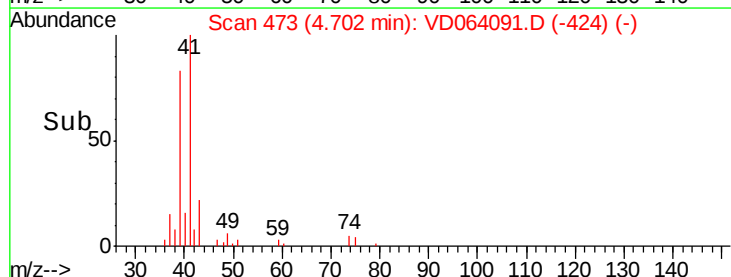
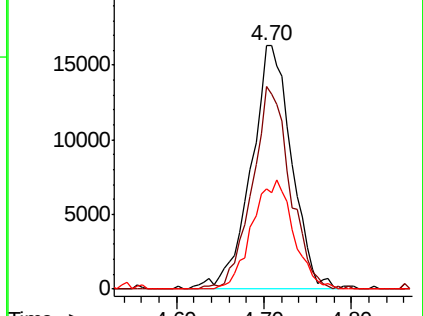
76 45.8 36.2 54.4

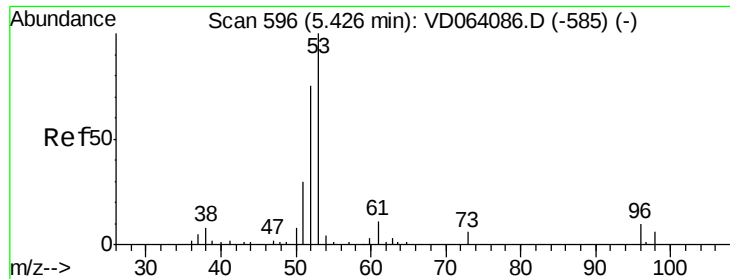


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

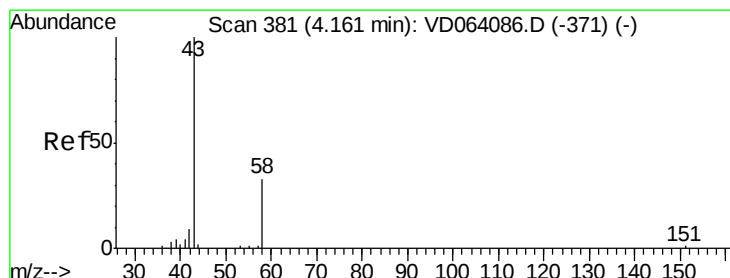
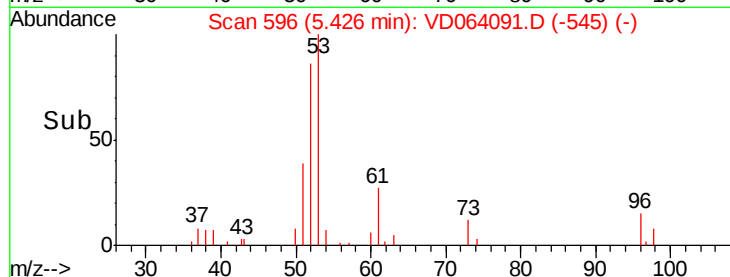
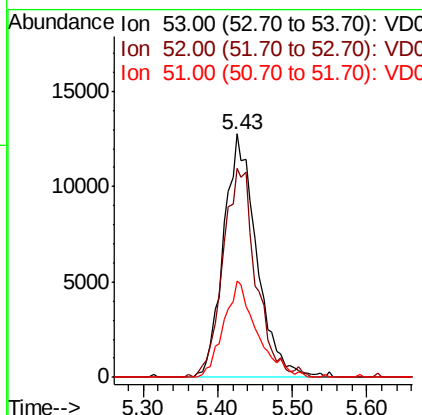
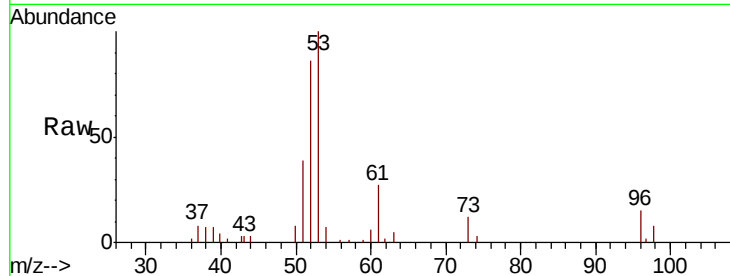




#15
Acrylonitrile
Concen: 100.635 ug/l
RT: 5.43 min Scan# 596
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

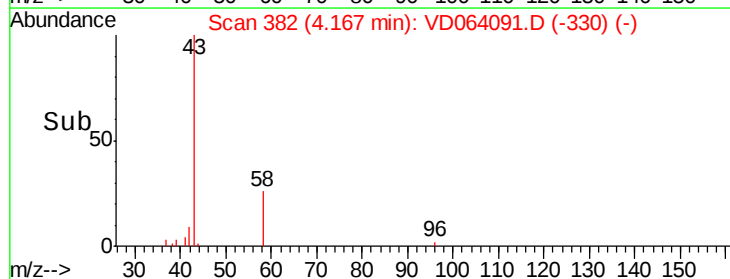
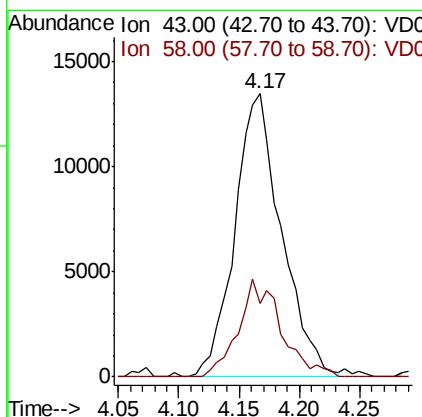
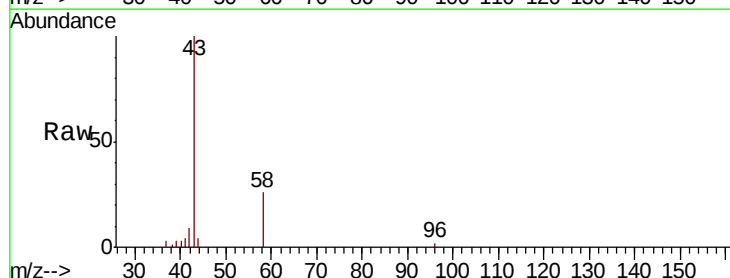
Instrument :
MSVOA_D
ClientSampleId :

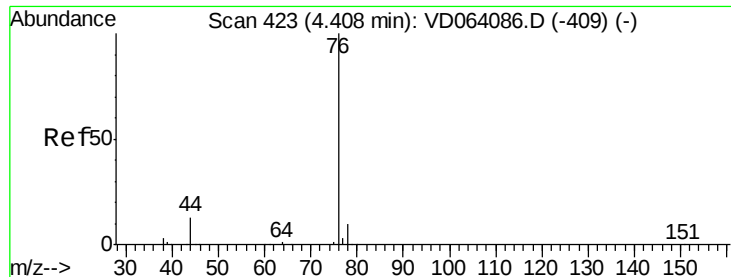
Tot Ion: 53 Resp: 39463
Ion Ratio Lower Upper
53 100
52 84.9 66.2 99.4
51 39.5 29.0 43.6



#16
Acetone
Concen: 99.778 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.01 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion: 43 Resp: 36257
Ion Ratio Lower Upper
43 100
58 25.8 26.3 39.5#

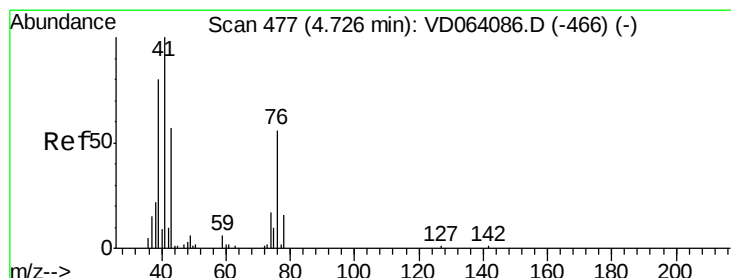
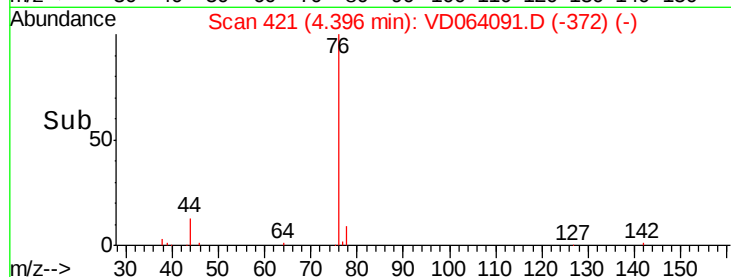
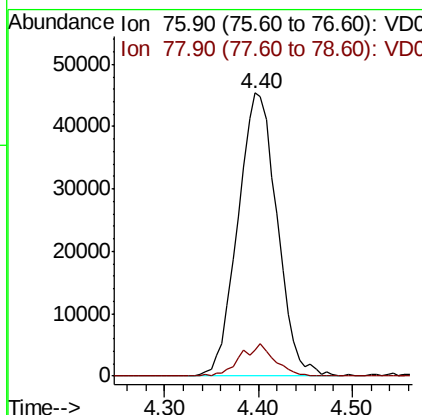
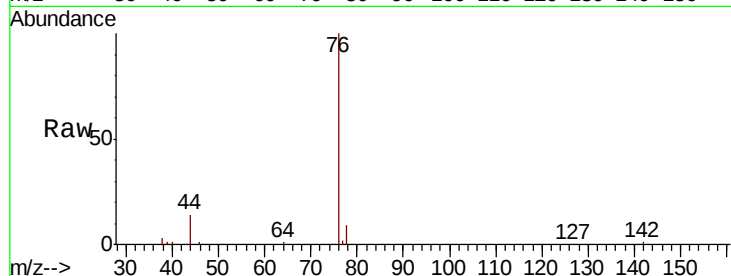




#17
Carbon Disulfide
Concen: 20.460 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

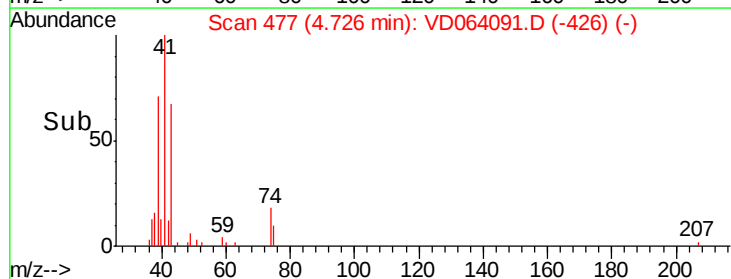
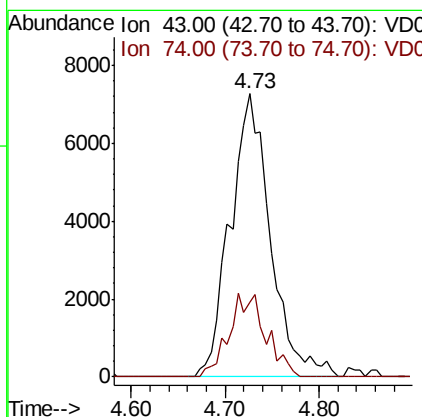
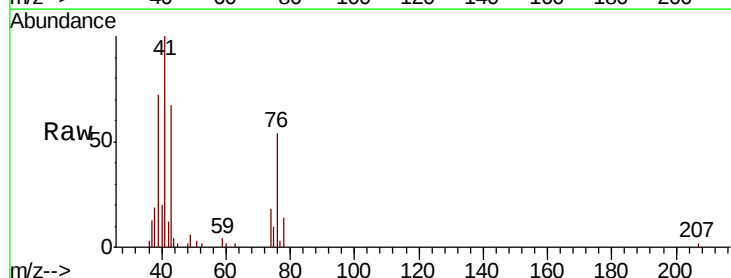
Instrument :
MSVOA_D
ClientSampleId :

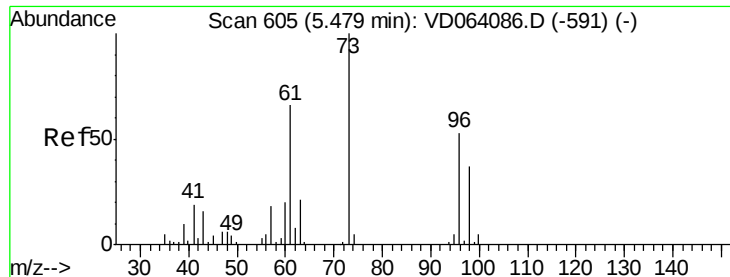
Tot Ion: 76 Resp: 130969
Ion Ratio Lower Upper
76 100
78 9.3 8.1 12.1



#18
Methyl Acetate
Concen: 22.331 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion: 43 Resp: 21585
Ion Ratio Lower Upper
43 100
74 27.1 22.2 33.4

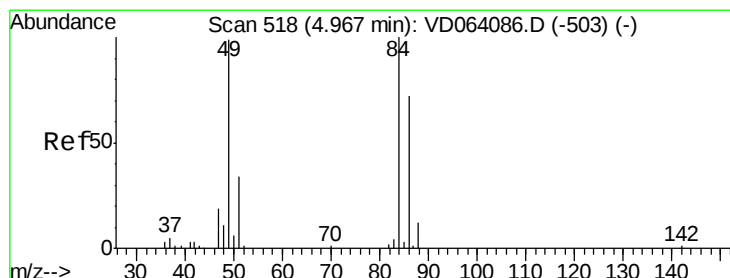
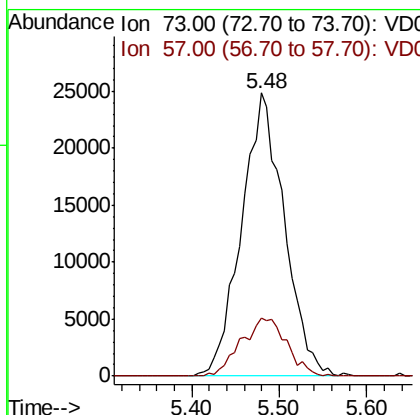
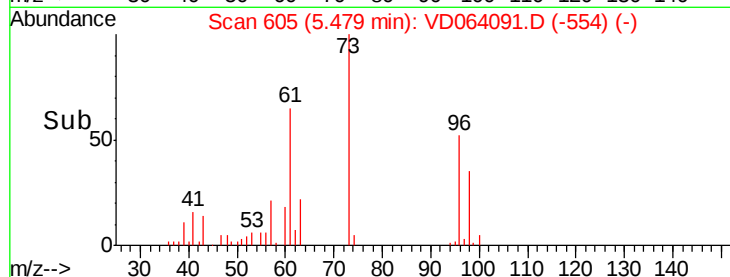
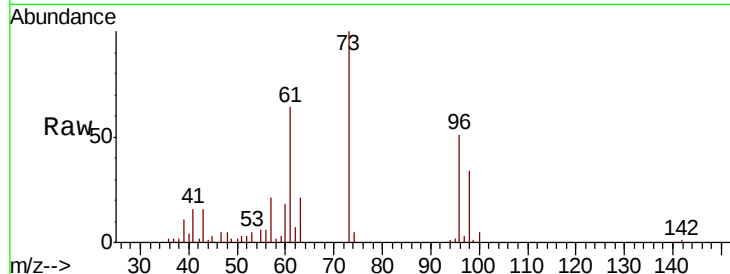




#19
Methyl tert-butyl Ether
Concen: 19.594 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

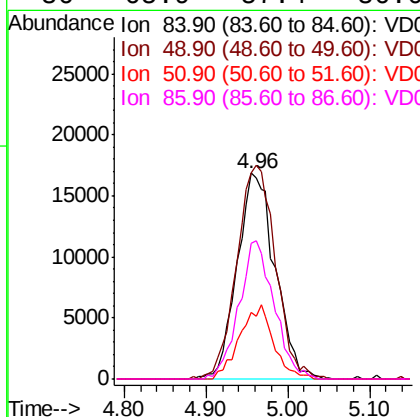
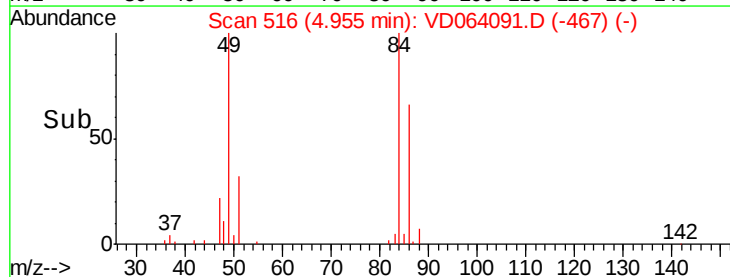
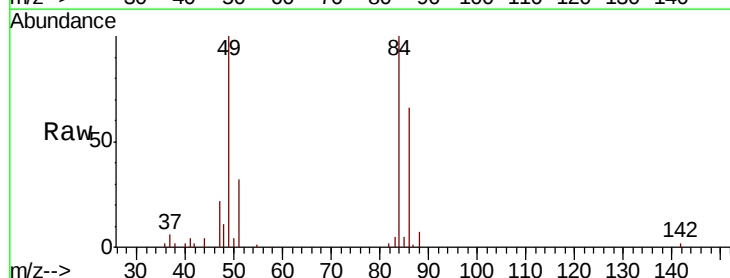
Instrument :
MSVOA_D
ClientSampleID :

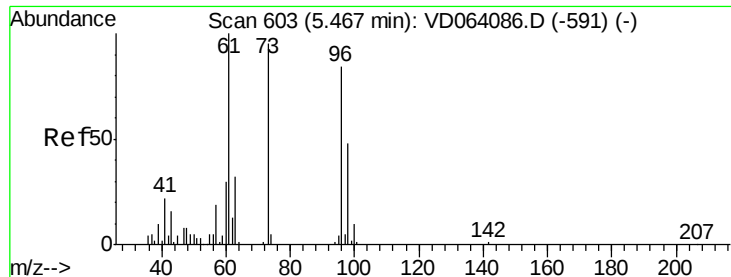
Tot Ion: 73 Resp: 82821
Ion Ratio Lower Upper
73 100
57 20.7 14.3 21.5



#20
Methylene Chloride
Concen: 21.162 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion: 84 Resp: 54583
Ion Ratio Lower Upper
84 100
49 100.3 79.4 119.0
51 32.3 27.4 41.2
86 65.9 57.4 86.0





#21

trans-1,2-Dichloroethene

Concen: 20.681 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

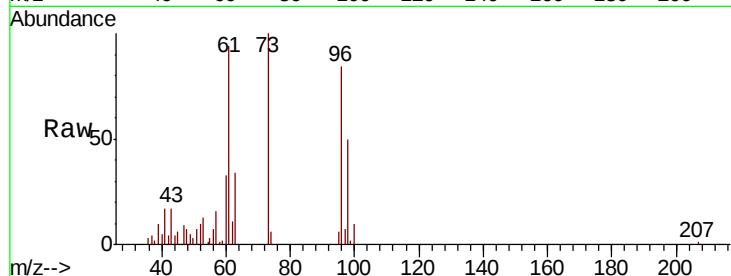
Tot Ion: 96 Resp: 48359

Ion Ratio Lower Upper

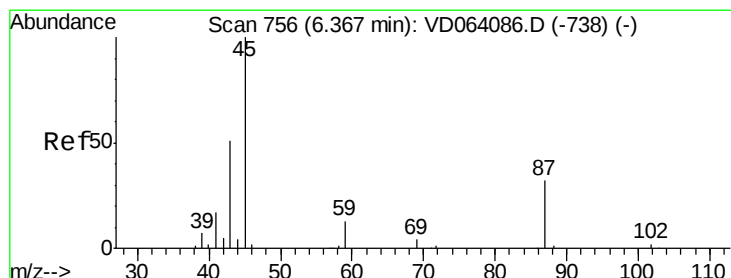
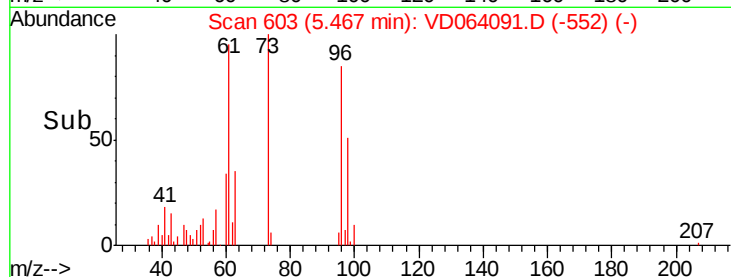
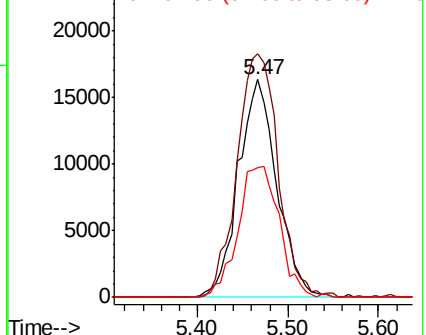
96 100

61 112.0 95.0 142.6

98 59.5 45.8 68.8



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



#22

Diisopropyl ether

Concen: 20.236 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Tgt Ion: 45 Resp: 109266

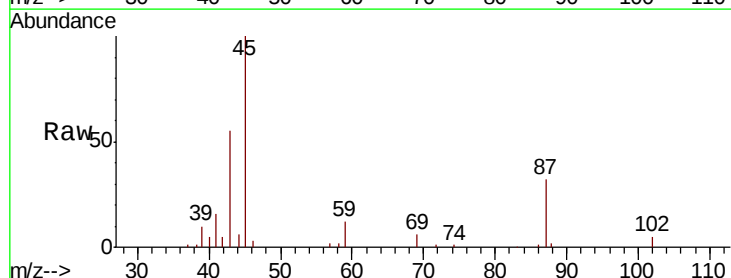
Ion Ratio Lower Upper

45 100

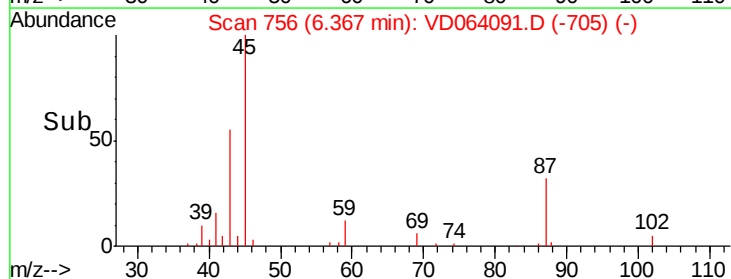
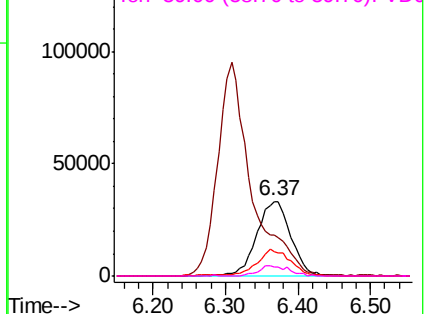
43 53.8 44.3 66.5

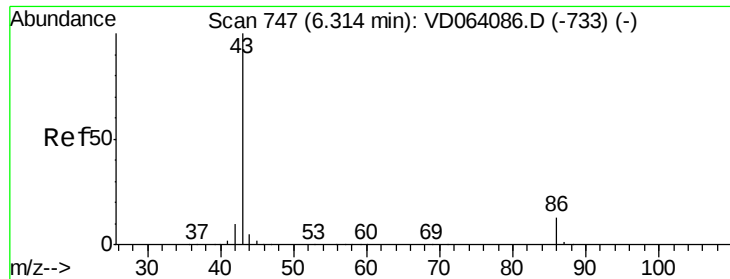
87 32.0 26.6 39.8

59 11.8 10.2 15.2



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: 104.609 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

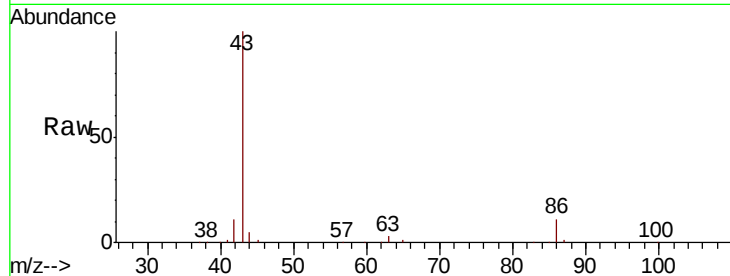
ClientSampleId :

Tot Ion: 43 Resp: 309614

Ion Ratio Lower Upper

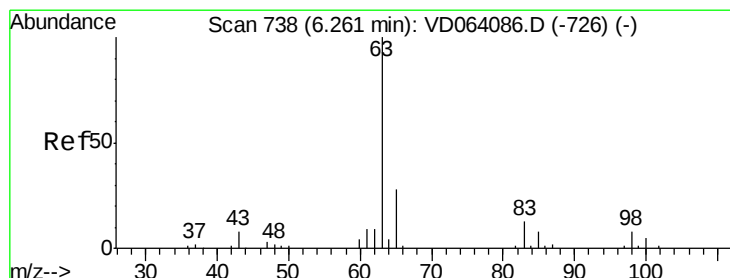
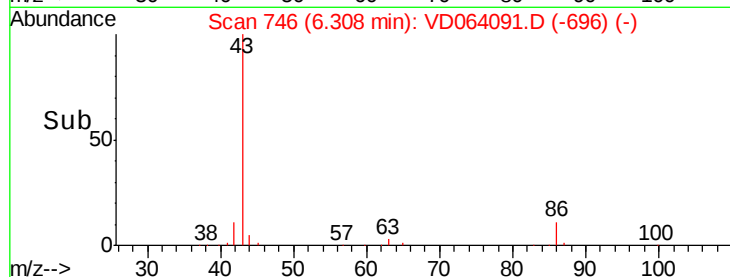
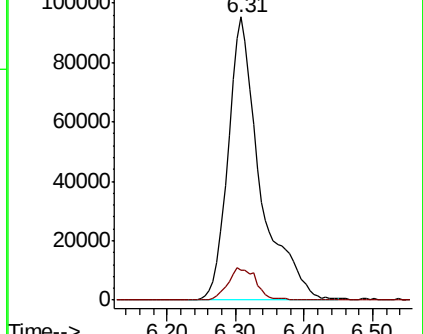
43 100

86 10.5 10.7 16.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.101 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

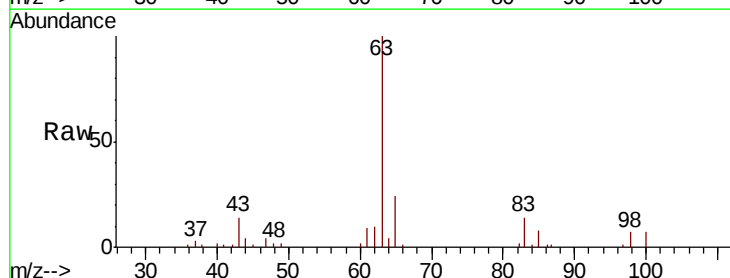
Tgt Ion: 63 Resp: 73292

Ion Ratio Lower Upper

63 100

98 6.6 4.0 11.9

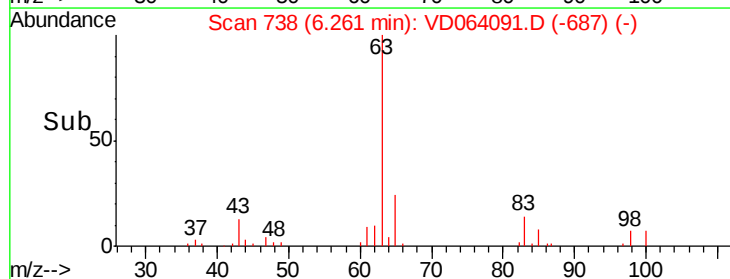
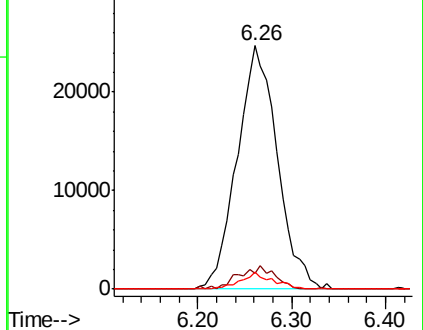
100 6.8 2.6 7.8

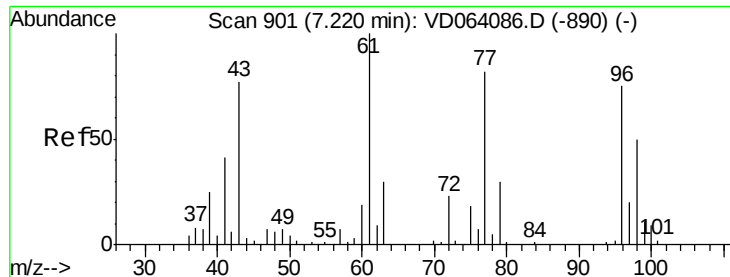


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 99.123 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

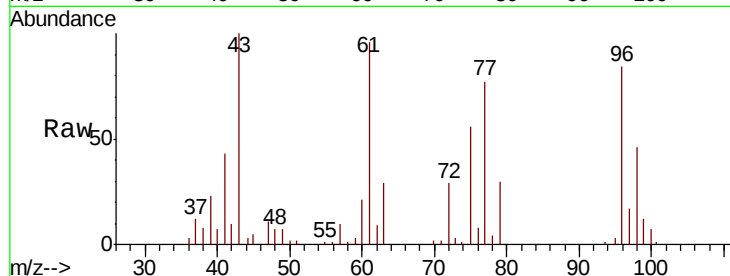
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 49795

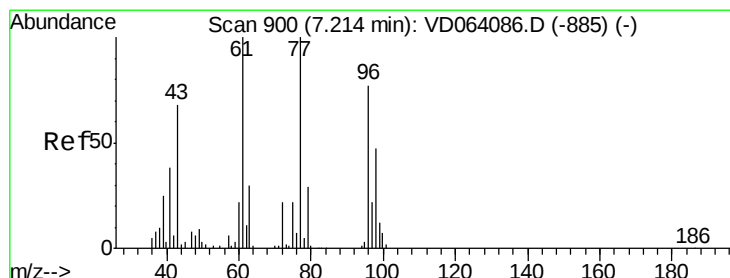
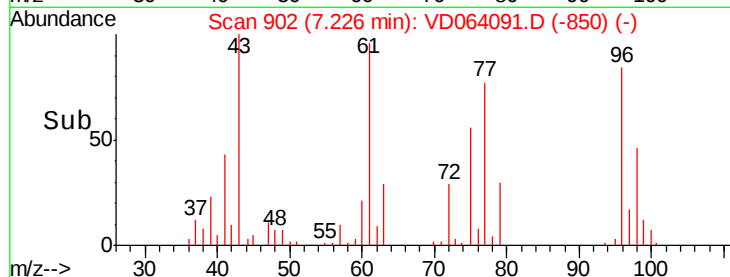
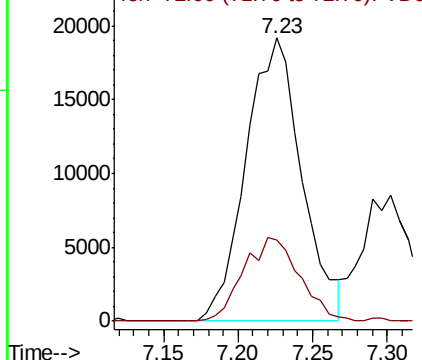
Ion Ratio Lower Upper

43 100

72 28.6 23.4 35.0



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



#26

2,2-Dichloropropane

Concen: 19.271 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064091.D

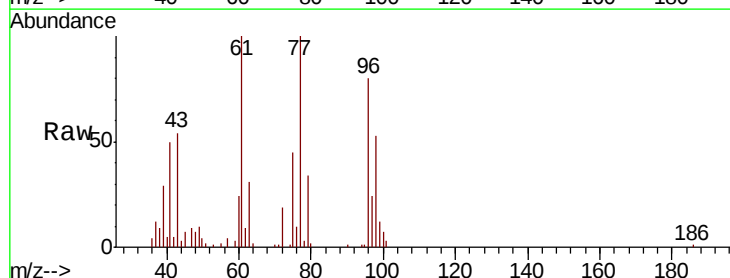
Acq: 29 Oct 2019 16:21

Tgt Ion: 77 Resp: 66689

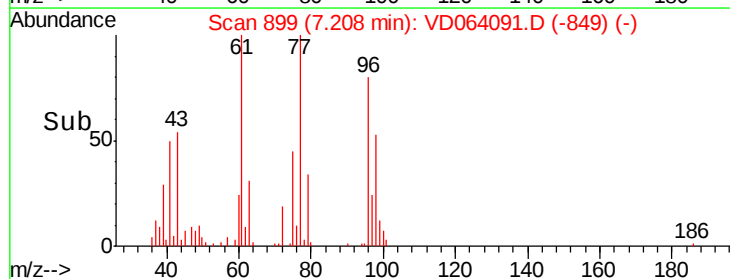
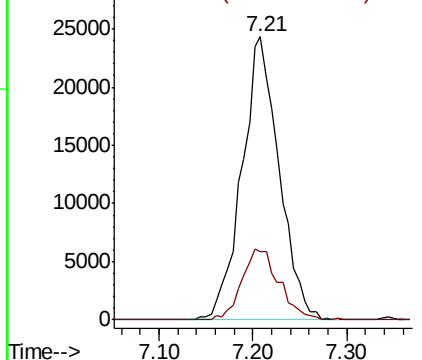
Ion Ratio Lower Upper

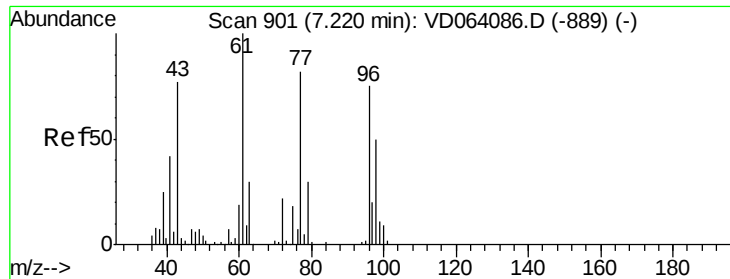
77 100

97 24.9 11.2 33.5



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



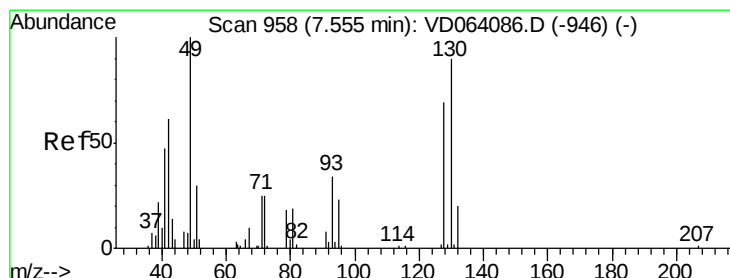
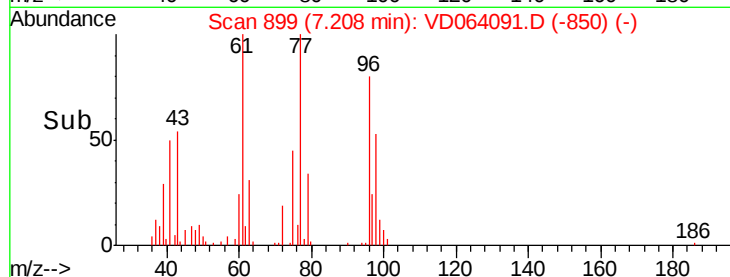
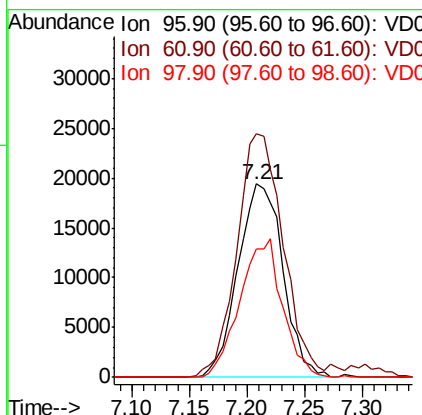
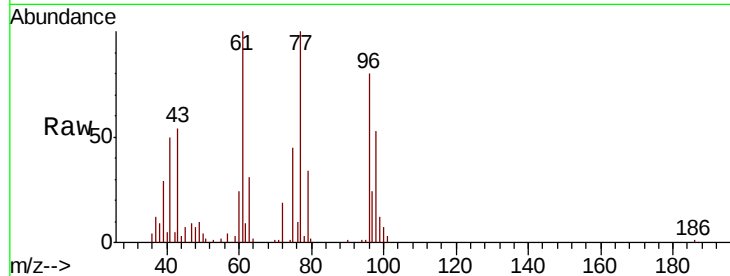


#27

cis-1,2-Dichloroethene
 Concen: 20.159 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Instrument :
 MSVOA_D
 ClientSampleID :

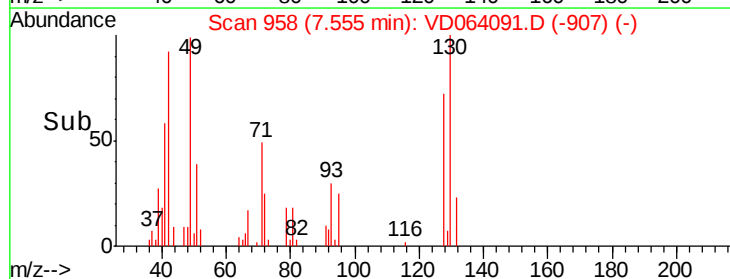
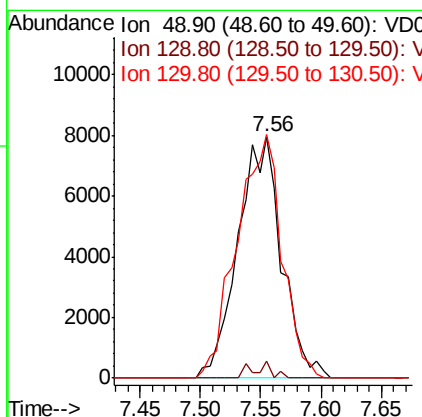
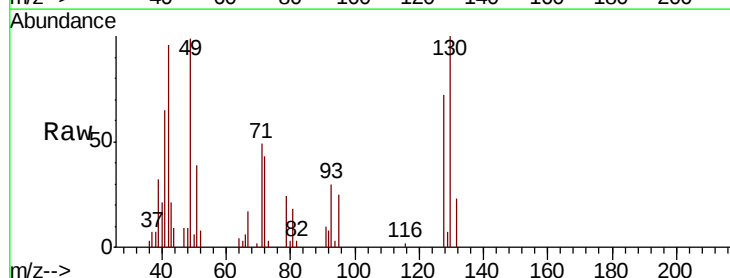
Tot Ion: 96 Resp: 52746
 Ion Ratio Lower Upper
 96 100
 61 129.3 0.0 258.0
 98 67.3 0.0 130.8

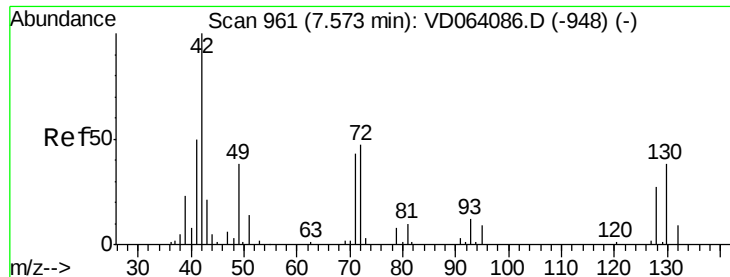


#28

Bromochloromethane
 Concen: 15.667 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Tgt Ion: 49 Resp: 19968
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 5.4
 130 103.6 75.3 112.9

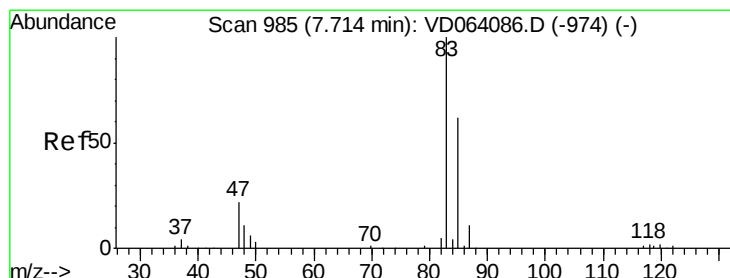
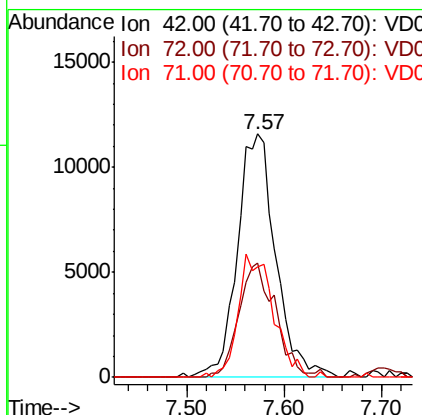
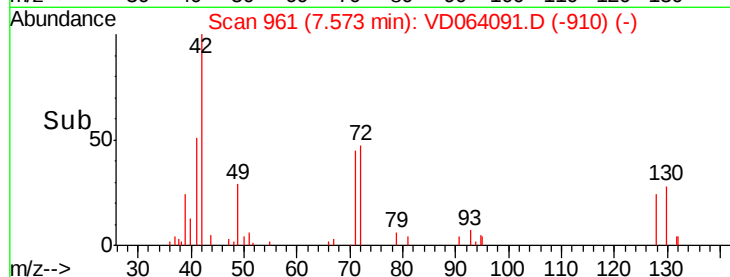
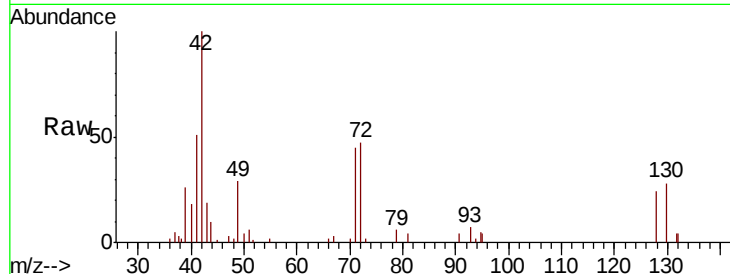




#29
Tetrahydrofuran
Concen: 108.294 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

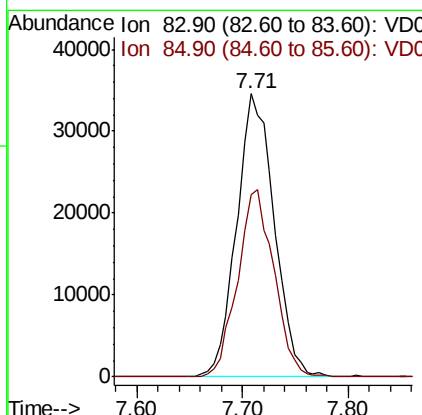
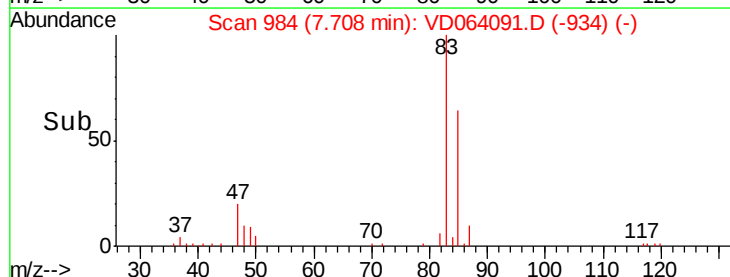
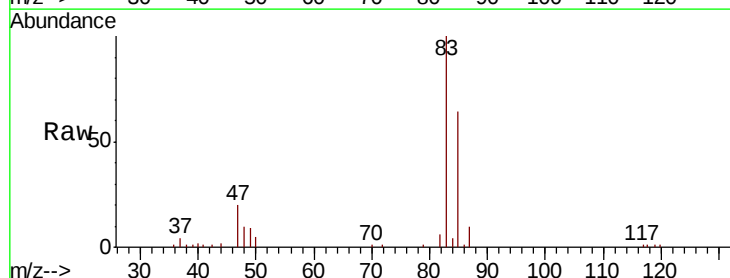
Instrument :
MSVOA_D
ClientSampleId :

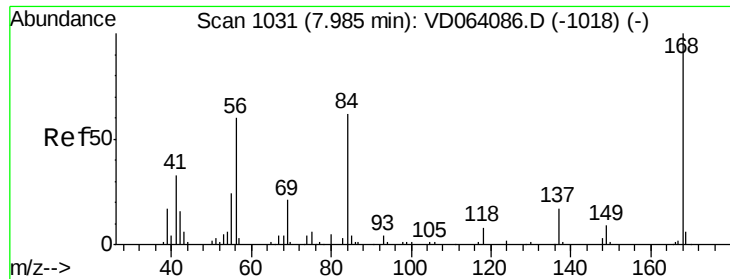
Tot Ion: 42 Resp: 31750
Ion Ratio Lower Upper
42 100
72 44.8 38.9 58.3
71 46.1 35.4 53.2



#30
Chloroform
Concen: 20.428 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion: 83 Resp: 85233
Ion Ratio Lower Upper
83 100
85 64.4 49.8 74.6

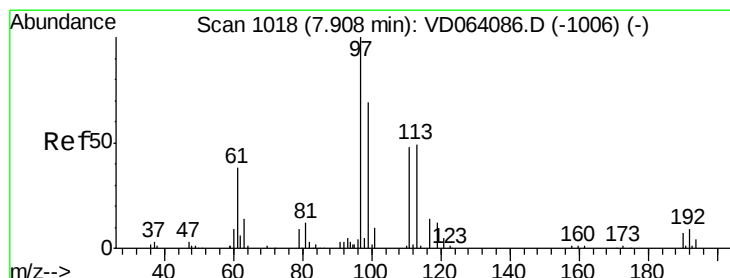
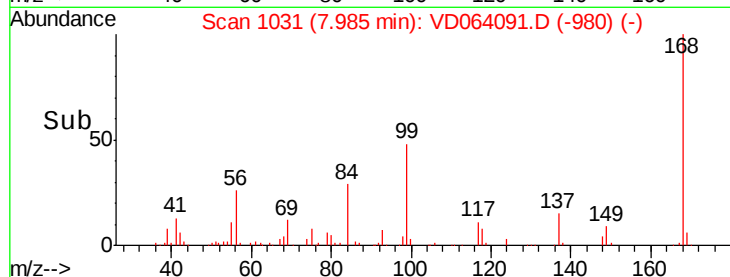
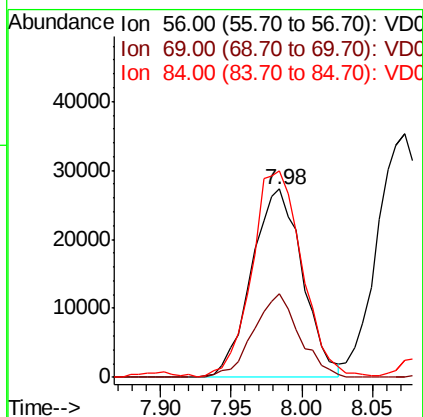
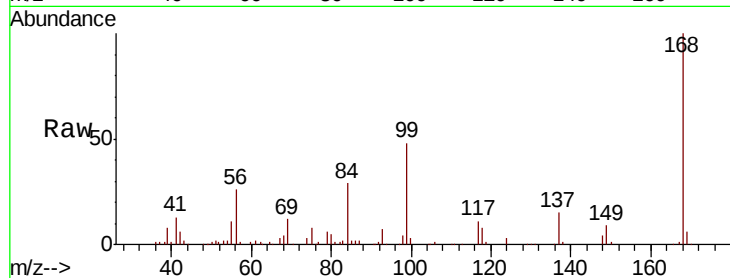




#31
Cyclohexane
Concen: 19.495 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

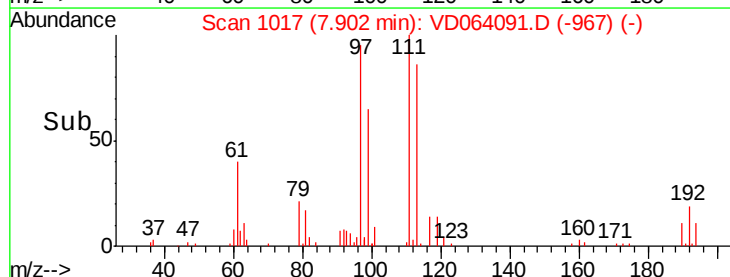
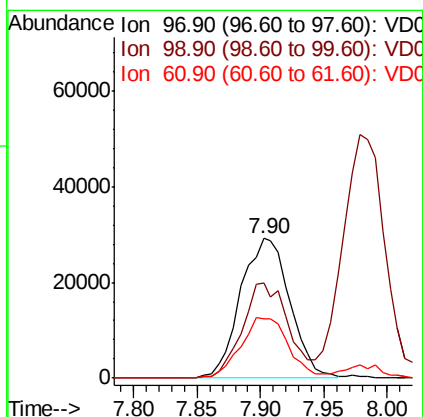
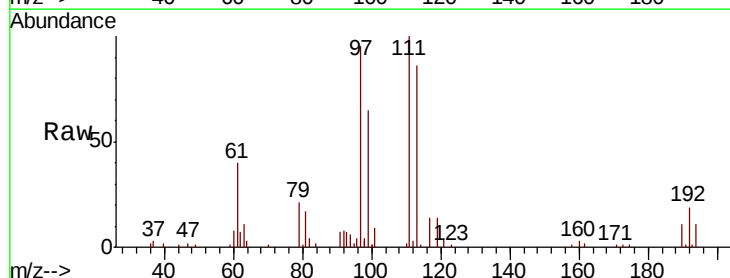
Instrument :
MSVOA_D
ClientSampleId :

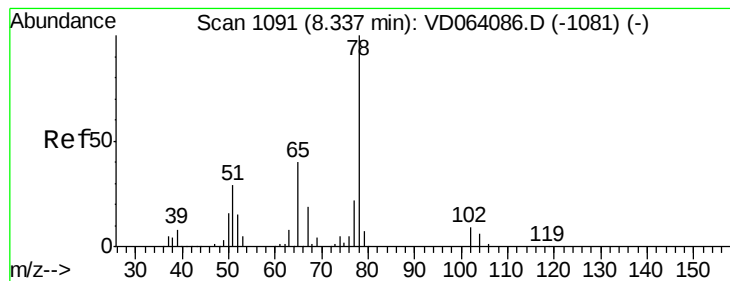
Tot Ion: 56 Resp: 69252
Ion Ratio Lower Upper
56 100
69 44.5 27.7 41.5#
84 108.0 83.1 124.7



#32
1,1,1-Trichloroethane
Concen: 20.248 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion: 97 Resp: 78641
Ion Ratio Lower Upper
97 100
99 64.4 53.7 80.5
61 42.2 31.8 47.6





#33

1,2-Dichloroethane-d4

Concen: 54.318 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

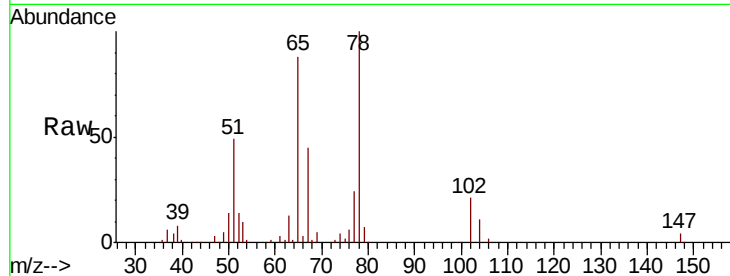
ClientSampled :

Tot Ion: 65 Resp: 103736

Ion Ratio Lower Upper

65 100

67 50.1 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

50000

40000

30000

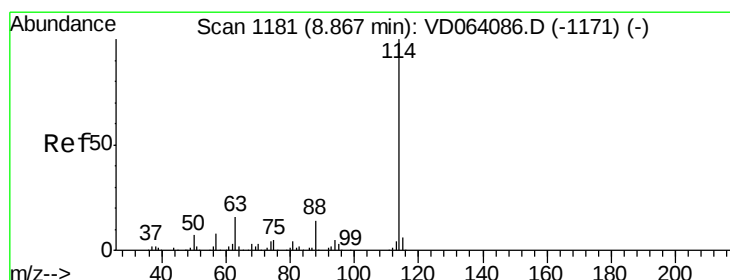
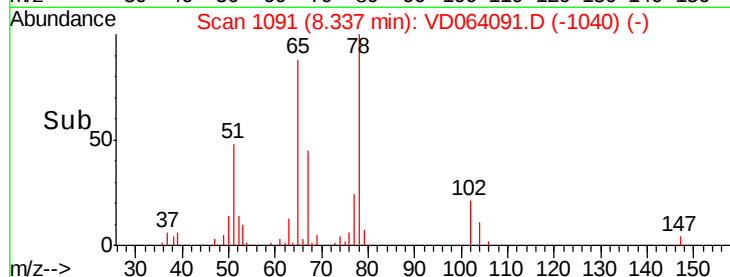
20000

10000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

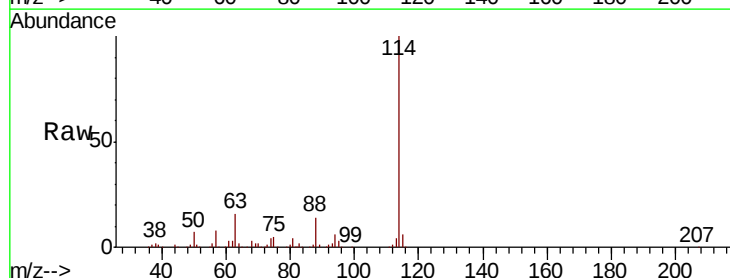
Tgt Ion: 114 Resp: 355745

Ion Ratio Lower Upper

114 100

63 15.8 0.0 32.8

88 14.4 0.0 27.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

250000

200000

150000

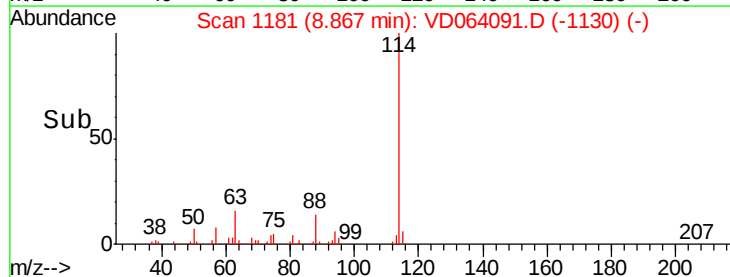
100000

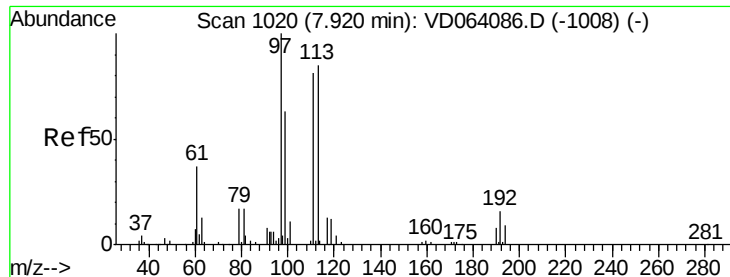
50000

0

8.80 8.90 9.00

Time-->

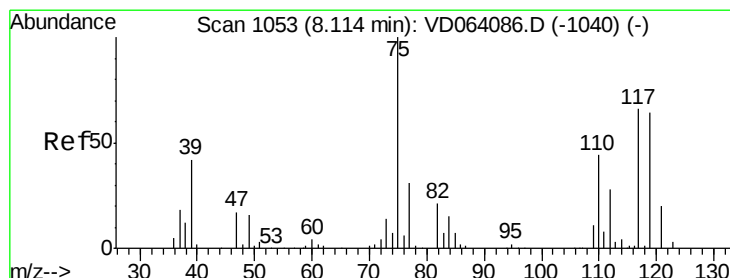
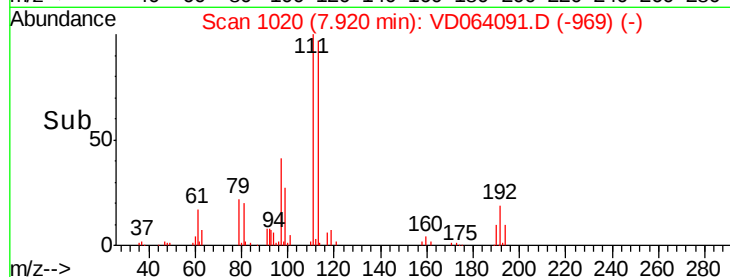
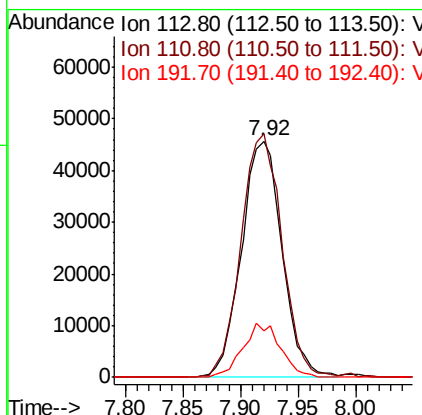
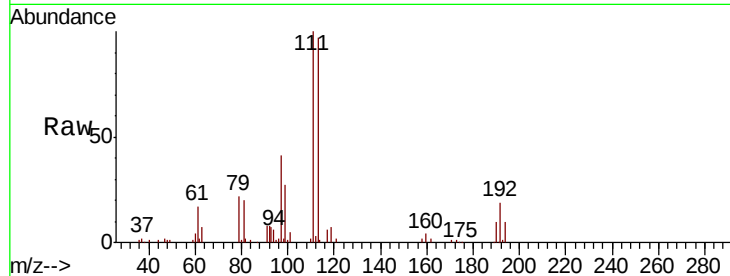




#35
Dibromofluoromethane
Concen: 51.277 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

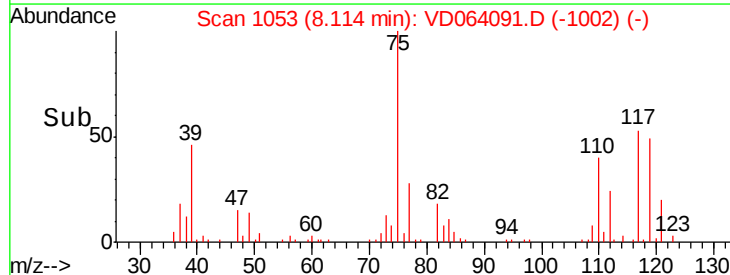
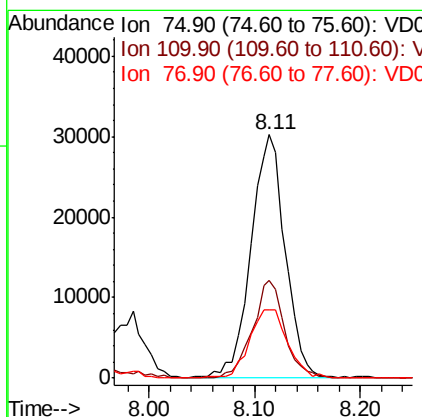
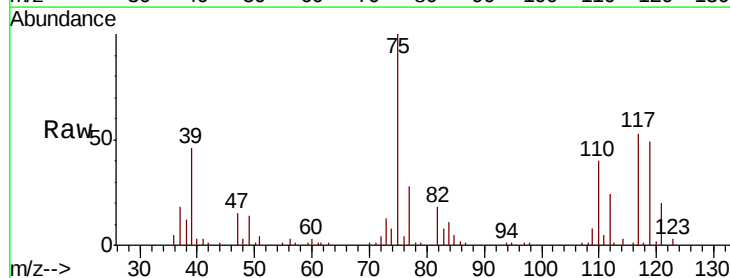
Instrument :
MSVOA_D
ClientSampleId :

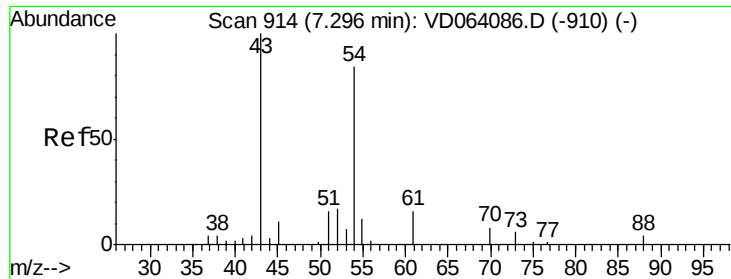
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	79.3	118.9
192	21.0	16.2	24.2



#36
1,1-Dichloropropene
Concen: 20.455 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.6	20.0	59.9
77	31.2	24.7	37.1

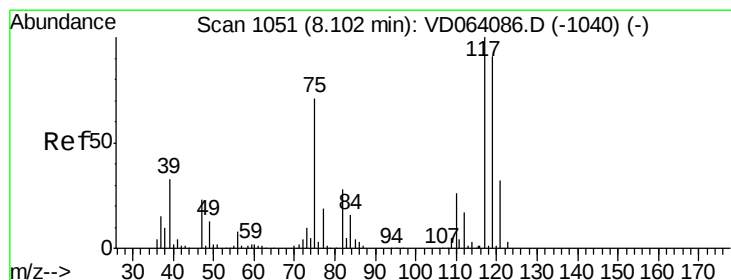
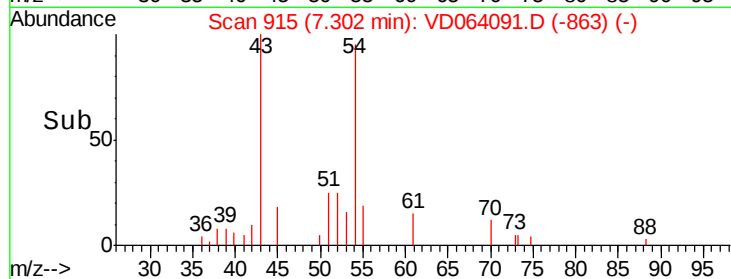
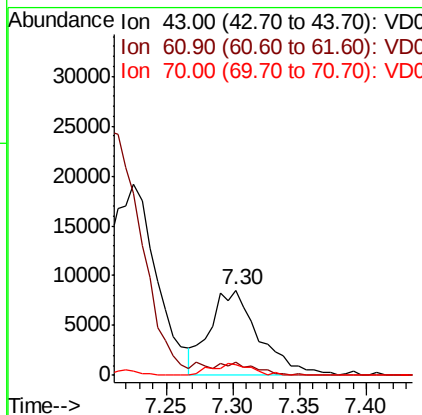
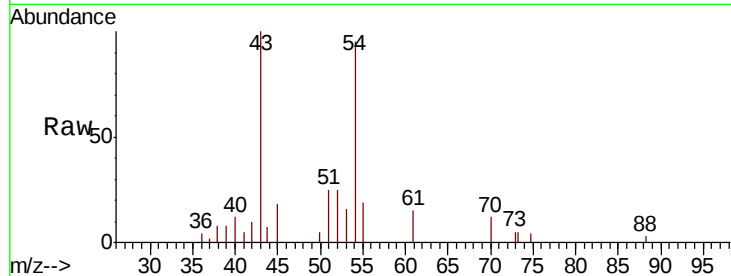




#37
Ethyl Acetate
Concen: 21.465 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

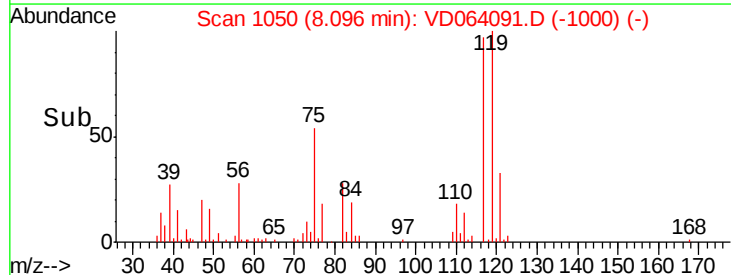
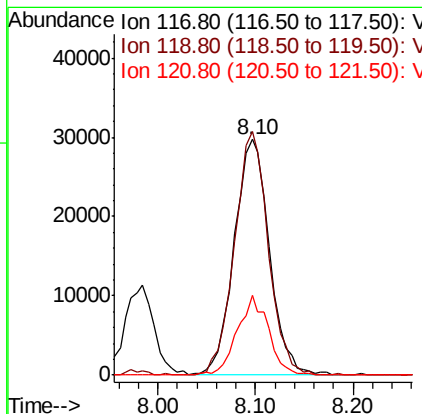
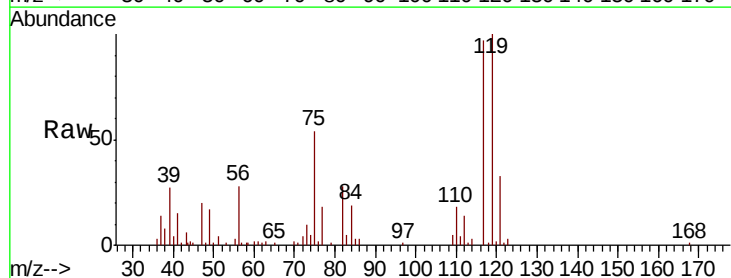
Instrument :
MSVOA_D
ClientSampleID :

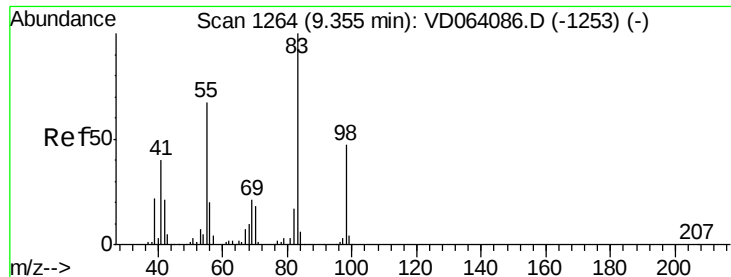
Tot Ion: 43 Resp: 22024
Ion Ratio Lower Upper
43 100
61 10.5 12.0 18.0#
70 11.2 3.8 5.6#



#38
Carbon Tetrachloride
Concen: 20.638 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion: 117 Resp: 75061
Ion Ratio Lower Upper
117 100
119 103.2 72.6 108.8
121 33.9 25.8 38.6

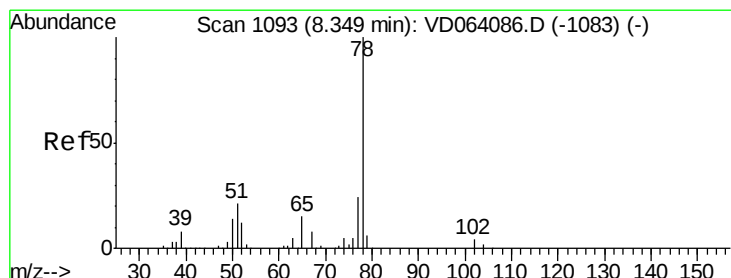
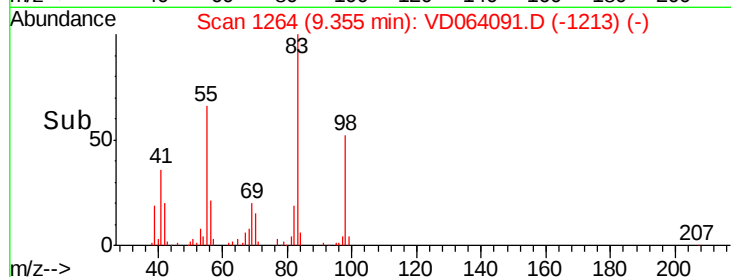
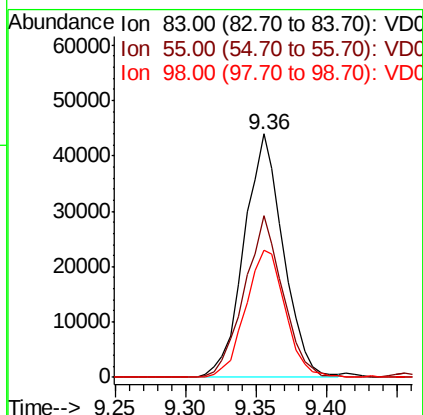
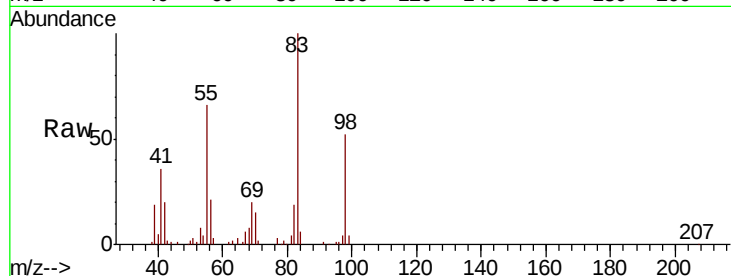




#39
Methvlcvclohexane
Concen: 20.812 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

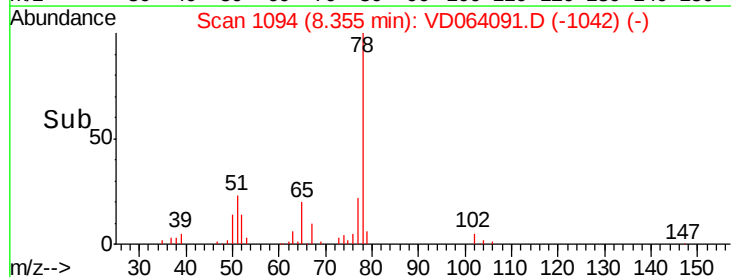
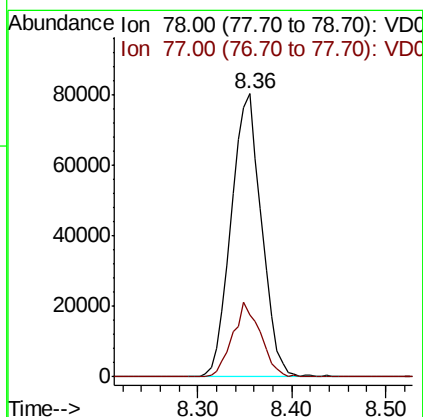
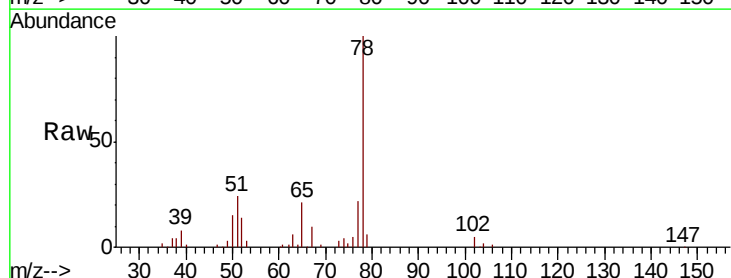
Instrument :
MSVOA_D
ClientSampled :

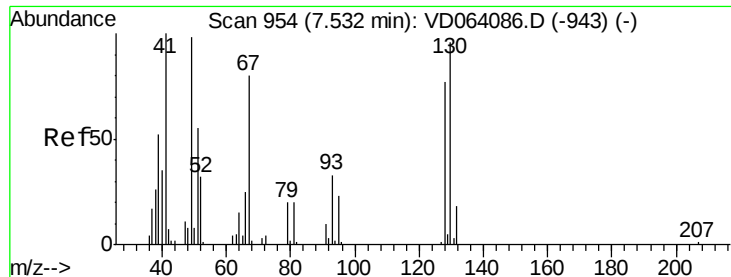
Tot Ion: 83 Resp: 85164
Ion Ratio Lower Upper
83 100
55 66.5 53.4 80.0
98 52.4 37.8 56.6



#40
Benzene
Concen: 19.849 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion: 78 Resp: 180428
Ion Ratio Lower Upper
78 100
77 22.1 19.0 28.4





#41

Methacrylonitrile

Concen: 17.201 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 41 Resp: 10185

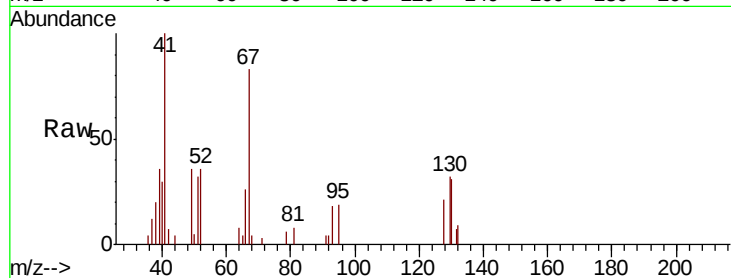
Ion Ratio Lower Upper

41 100

39 66.3 41.0 61.4#

67 105.7 73.4 110.0

52 46.0 27.3 40.9#

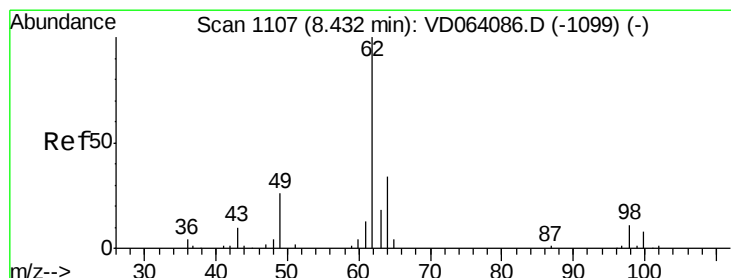
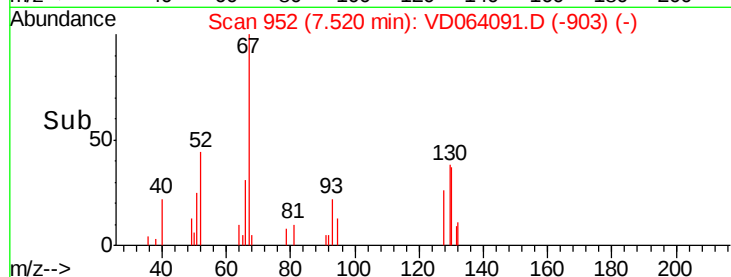
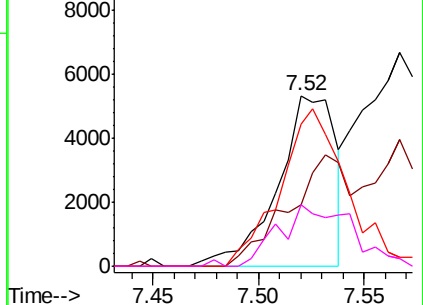


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.117 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD064091.D

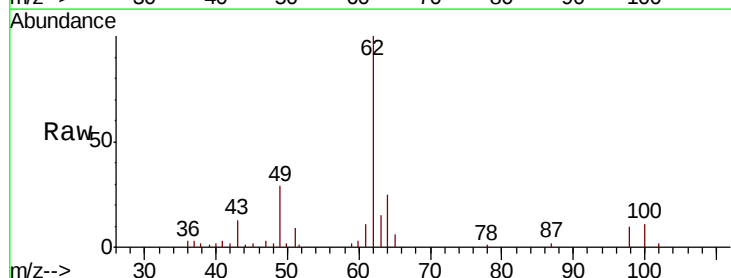
Acq: 29 Oct 2019 16:21

Tgt Ion: 62 Resp: 50705

Ion Ratio Lower Upper

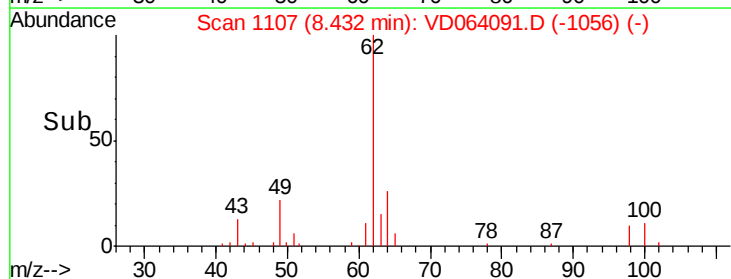
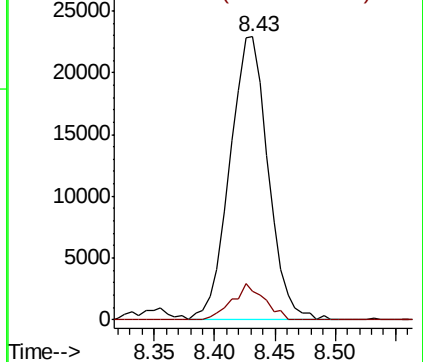
62 100

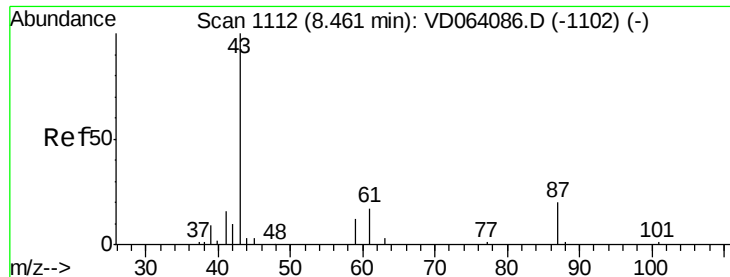
98 10.9 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.470 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :
MSVOA_D
ClientSampled :

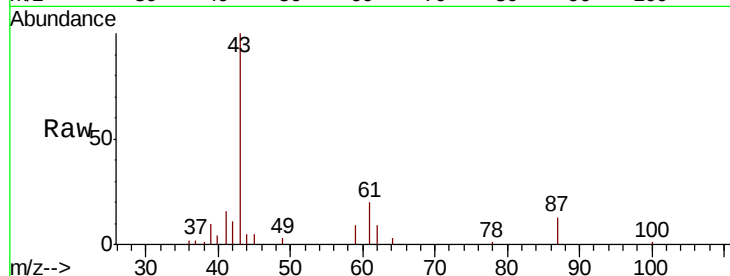
Tot Ion: 43 Resp: 42446

Ion Ratio Lower Upper

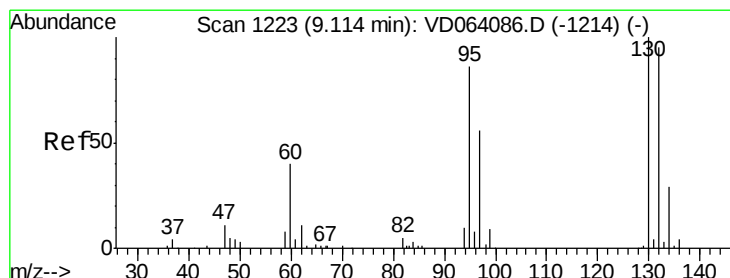
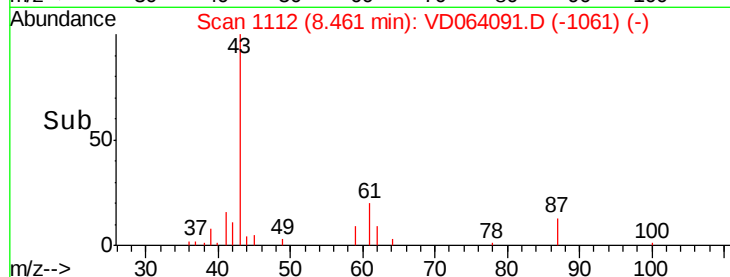
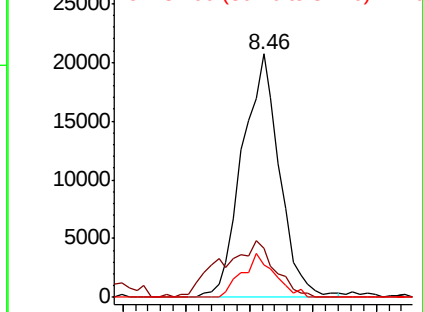
43 100

61 33.0 25.8 38.8

87 15.8 13.0 19.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.939 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064091.D

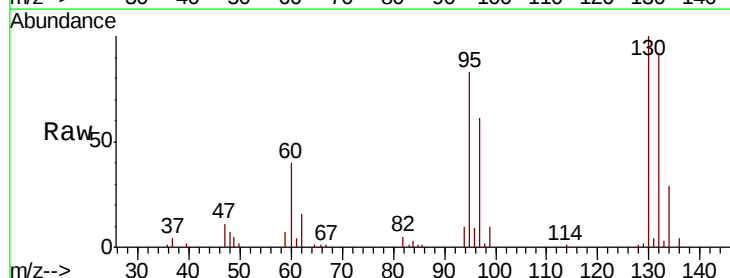
Acq: 29 Oct 2019 16:21

Tgt Ion: 130 Resp: 57691

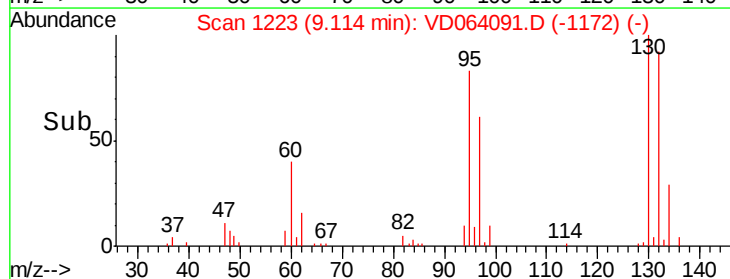
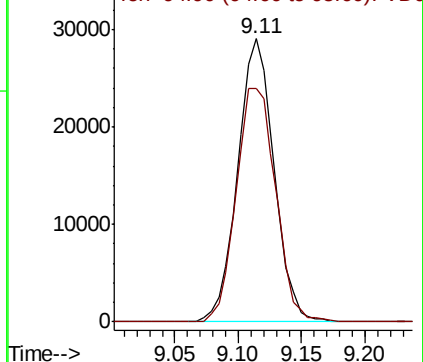
Ion Ratio Lower Upper

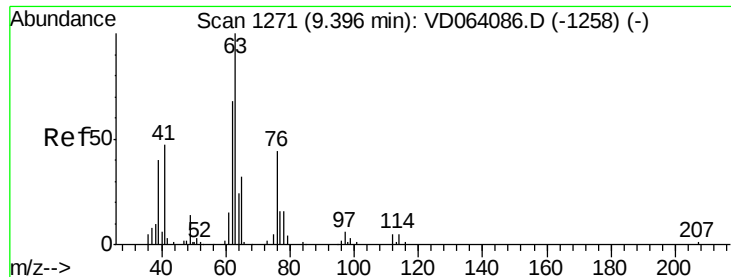
130 100

95 82.6 0.0 173.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.822 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

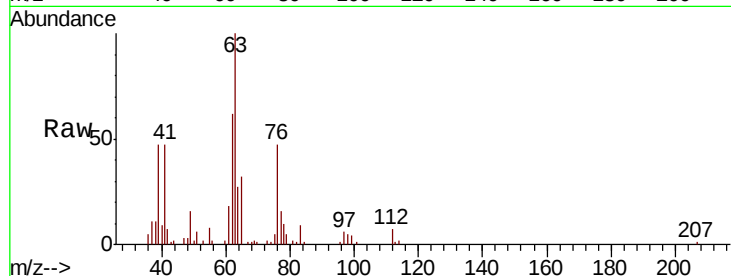
ClientSampled :

Tot Ion: 63 Resp: 41757

Ion Ratio Lower Upper

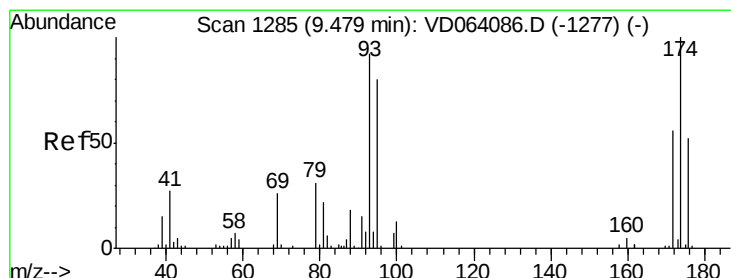
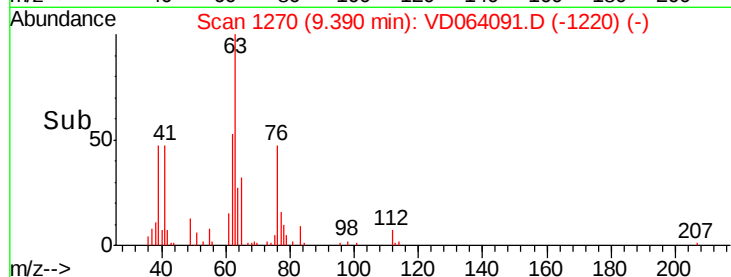
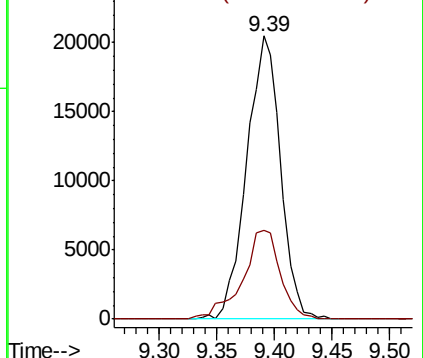
63 100

65 31.6 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 19.635 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

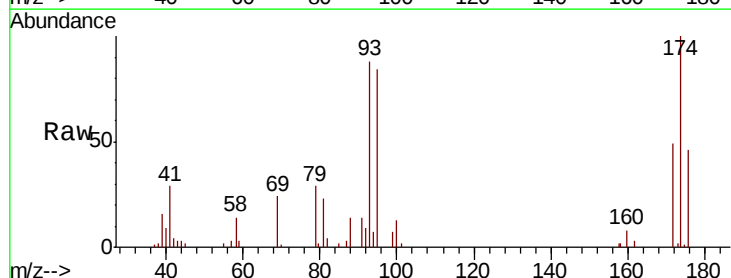
Tgt Ion: 93 Resp: 24912

Ion Ratio Lower Upper

93 100

95 86.3 67.4 101.2

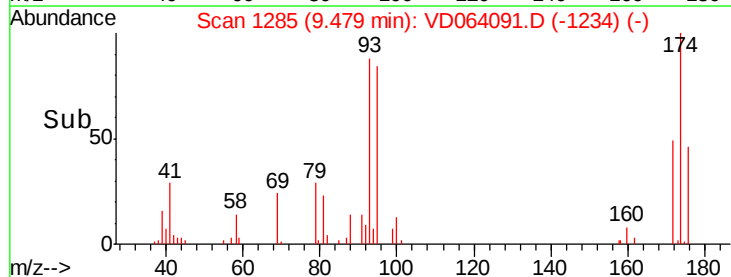
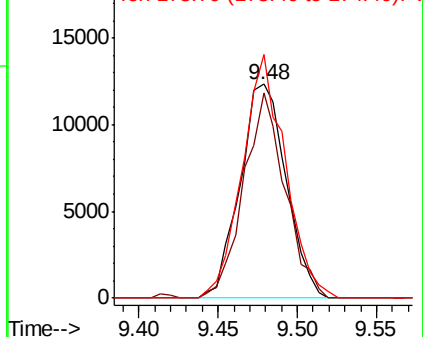
174 106.1 86.4 129.6

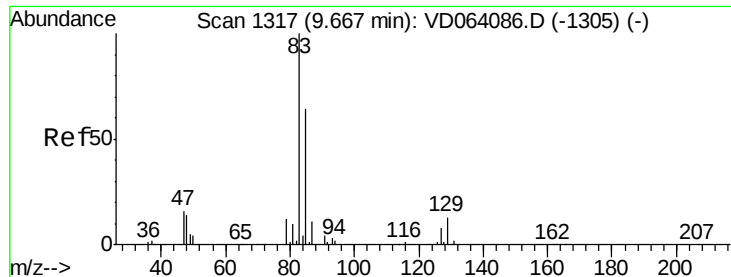


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.332 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :

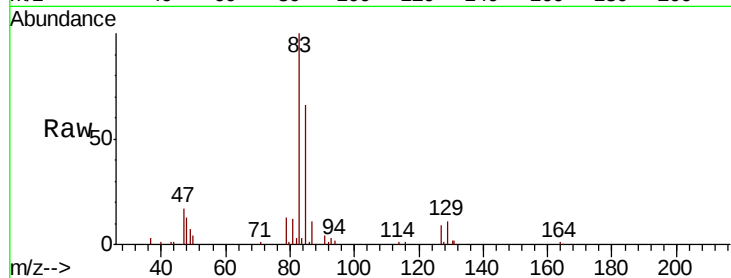
Tot Ion: 83 Resp: 65079

Ion Ratio Lower Upper

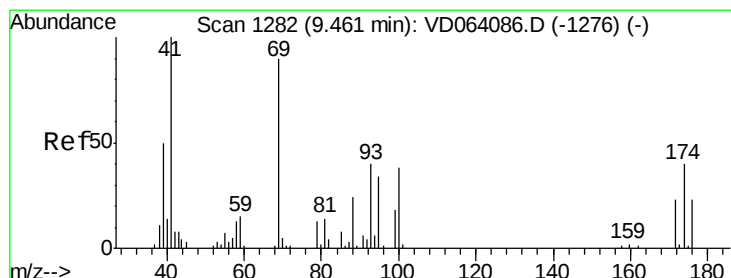
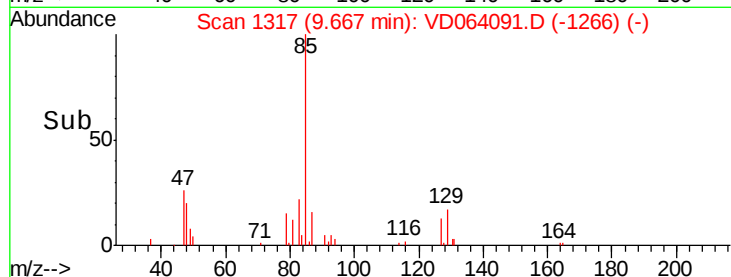
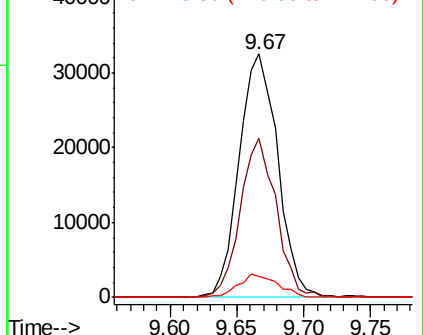
83 100

85 65.6 51.4 77.0

127 8.8 6.7 10.1



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: 20.606 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

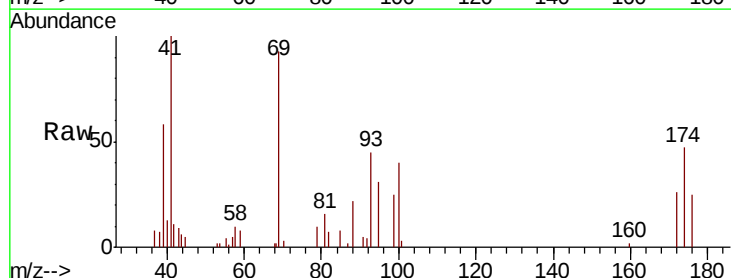
Tgt Ion: 41 Resp: 19759

Ion Ratio Lower Upper

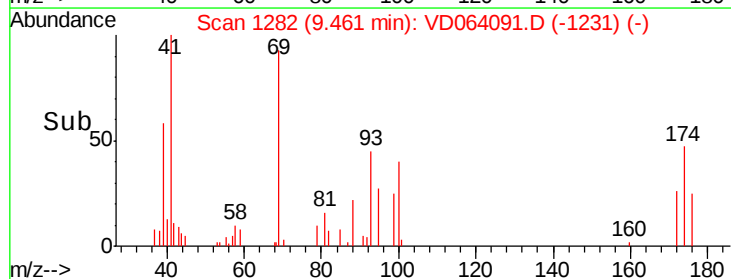
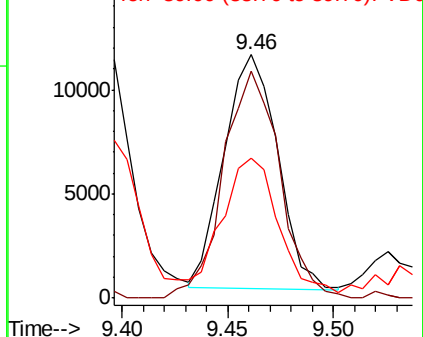
41 100

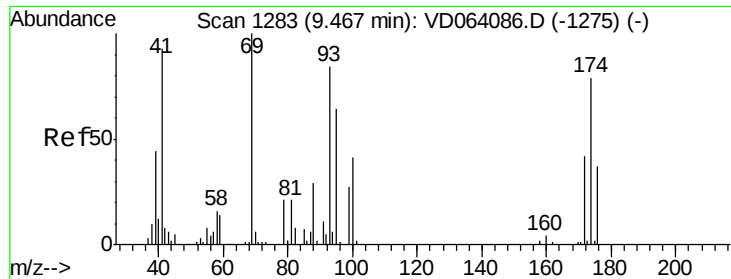
69 101.8 82.6 124.0

39 66.5 47.0 70.4



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

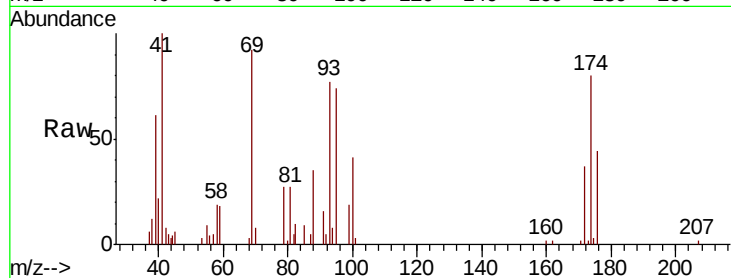




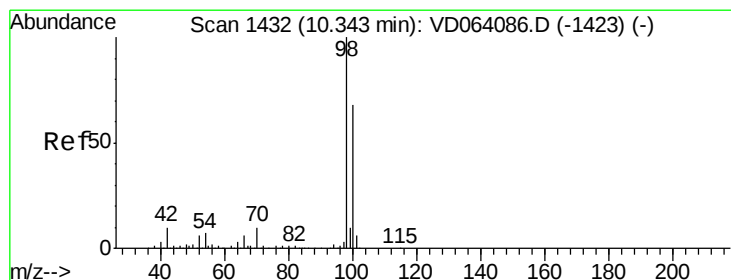
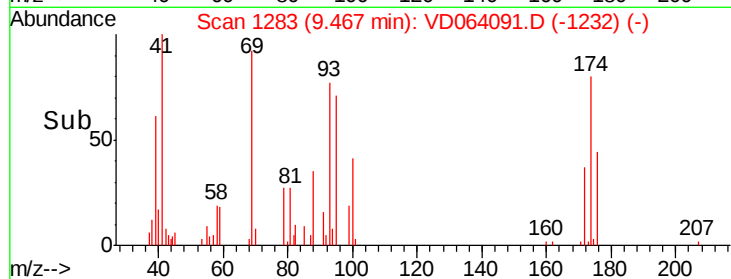
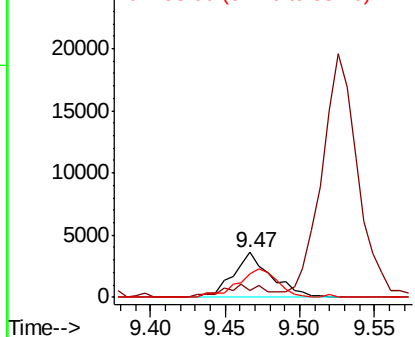
#49
 1,4-Dioxane
 Concen: 441.365 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 6410
 Ion Ratio Lower Upper
 88 100
 43 31.8 13.4 20.0#
 58 65.3 46.7 70.1

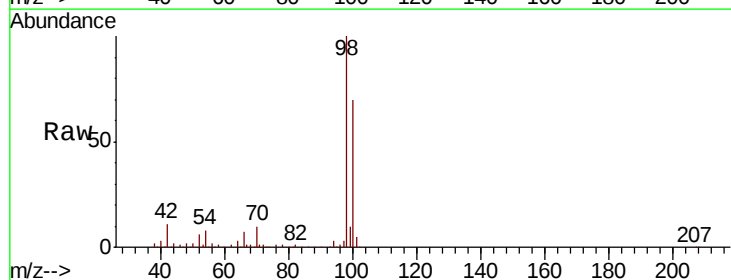


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

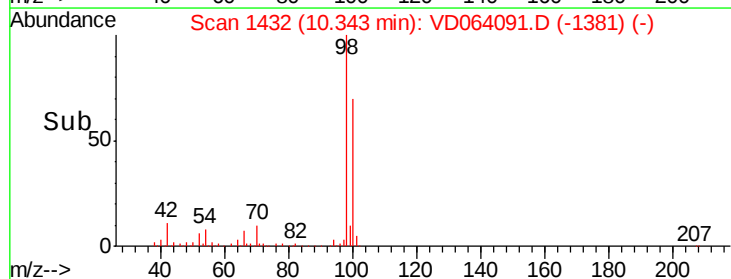
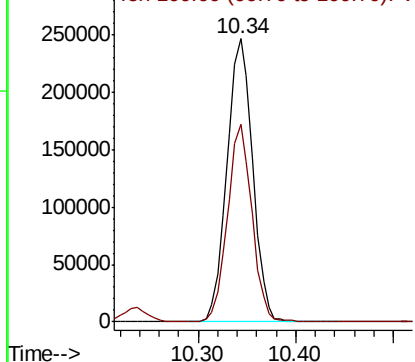


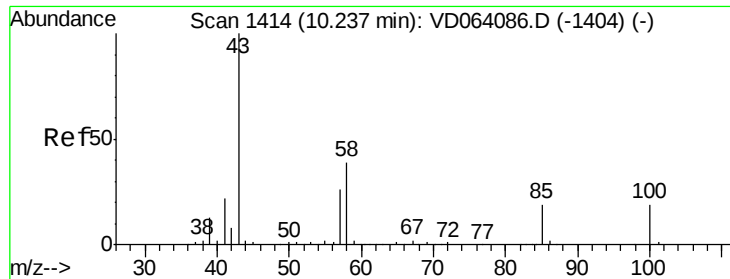
#50
 Toluene-d8
 Concen: 51.575 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Tgt Ion: 98 Resp: 451426
 Ion Ratio Lower Upper
 98 100
 100 66.2 53.4 80.0



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: 102.683 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

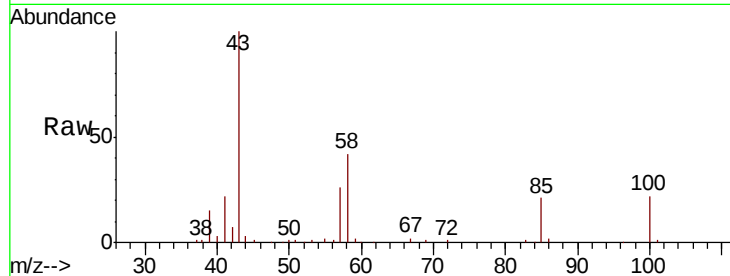
ClientSampleId :

Tot Ion: 43 Resp: 115913

Ion Ratio Lower Upper

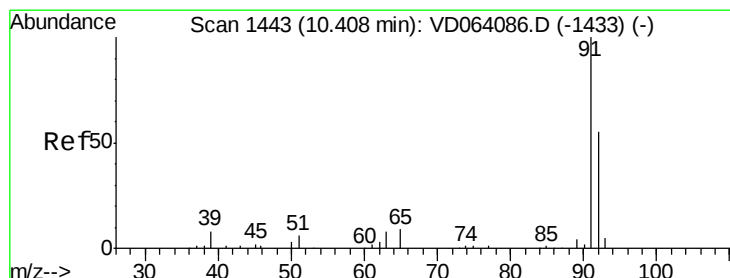
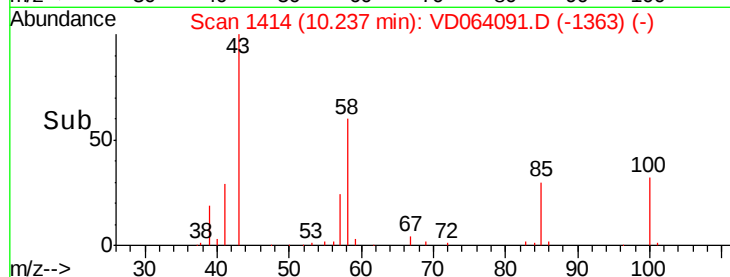
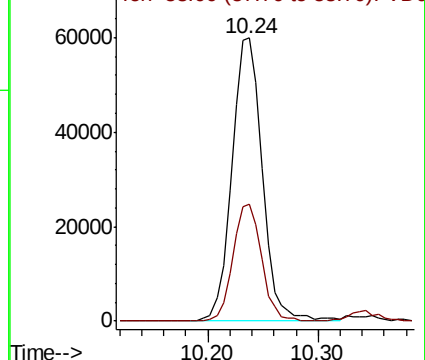
43 100

58 39.0 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.228 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064091.D

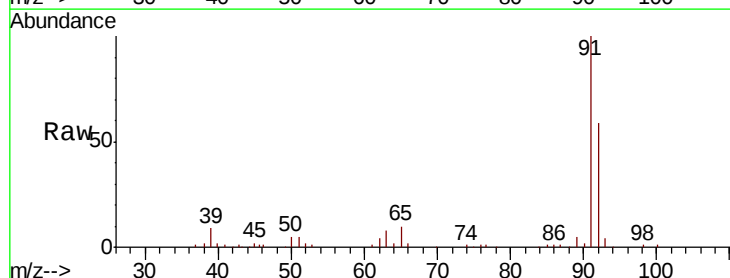
Acq: 29 Oct 2019 16:21

Tgt Ion: 92 Resp: 128861

Ion Ratio Lower Upper

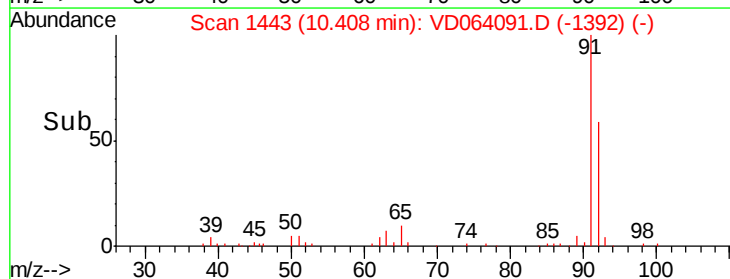
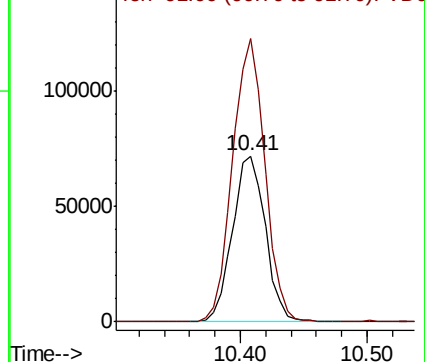
92 100

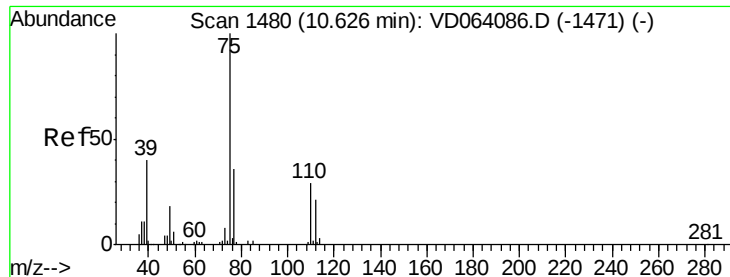
91 167.8 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.333 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

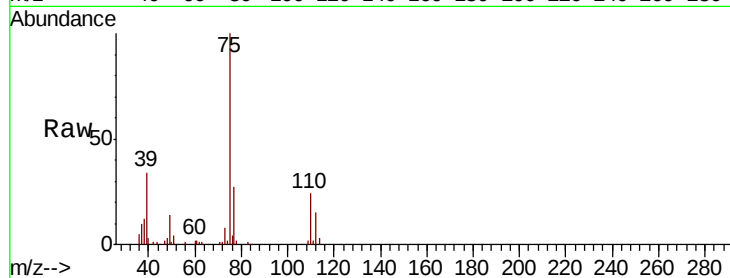
ClientSampleId :

Tot Ion: 75 Resp: 60751

Ion Ratio Lower Upper

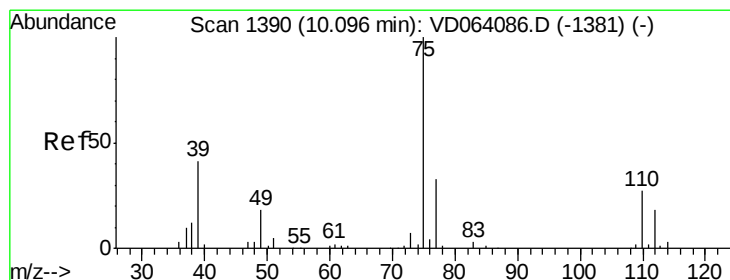
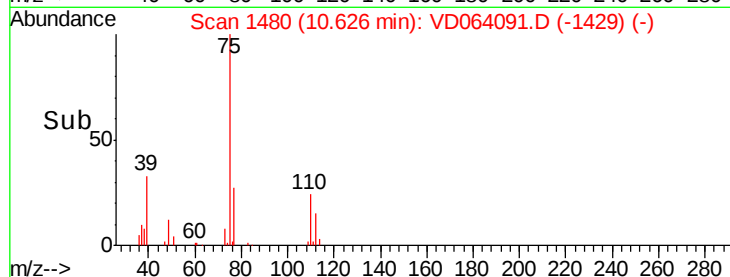
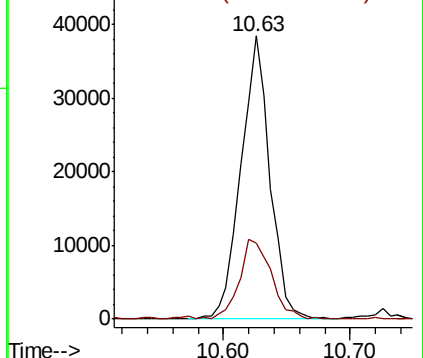
75 100

77 26.9 28.7 43.1#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.980 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

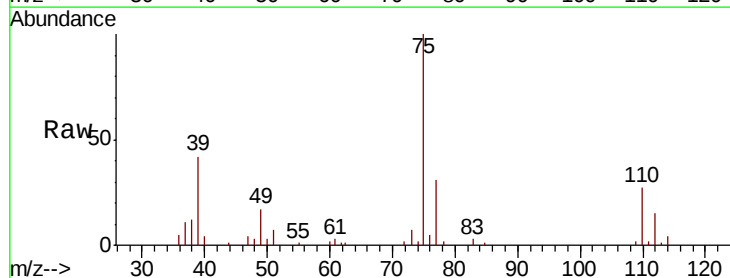
Tgt Ion: 75 Resp: 70234

Ion Ratio Lower Upper

75 100

77 31.2 26.8 40.2

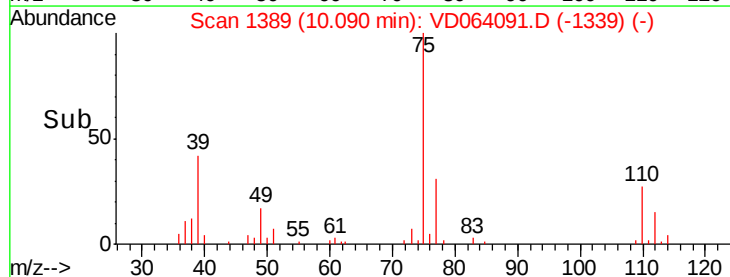
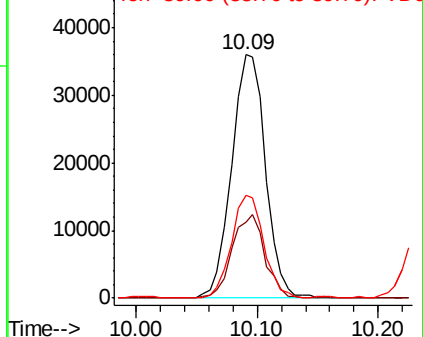
39 42.2 32.7 49.1

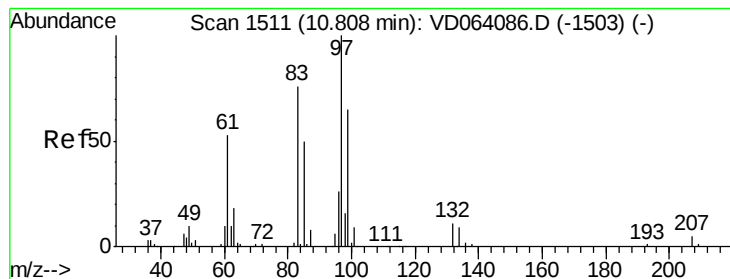


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 20.705 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

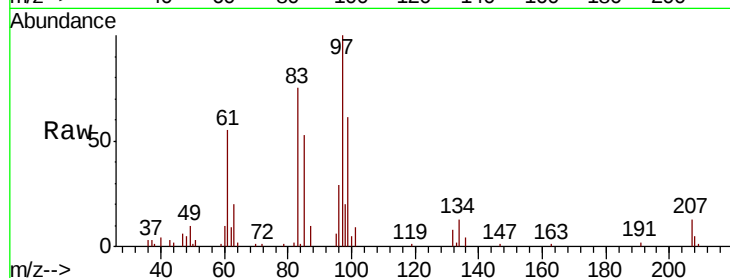
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 37245

Ion	Ratio	Lower	Upper
97	100		
83	74.6	60.9	91.3
85	53.3	40.2	60.2
99	60.7	51.9	77.9

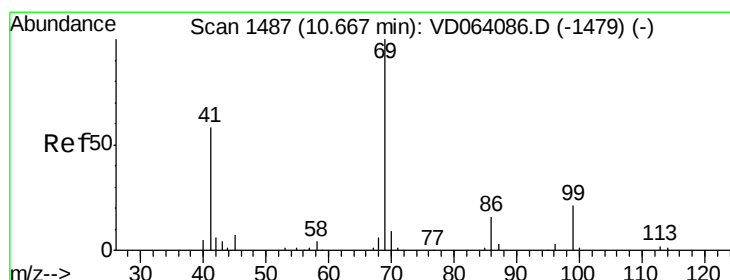
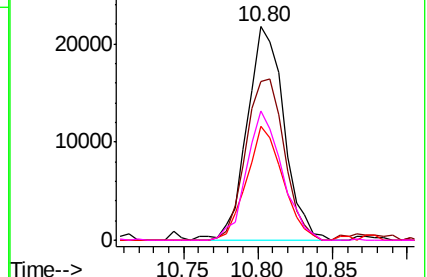
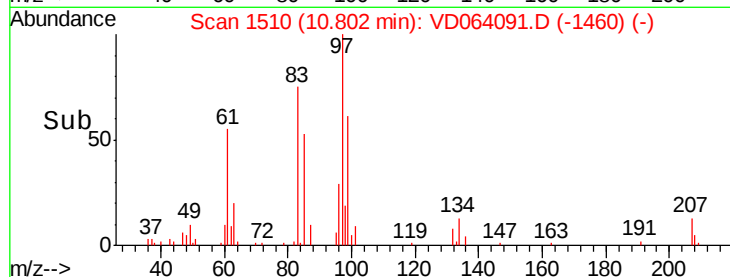


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 19.261 ug/l

RT: 10.67 min Scan# 1487

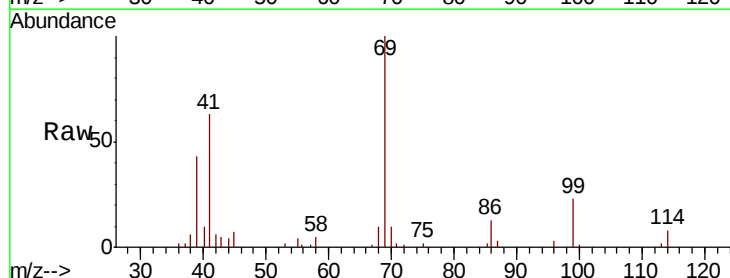
Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Tgt Ion: 69 Resp: 37793

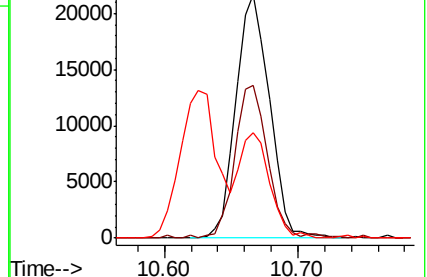
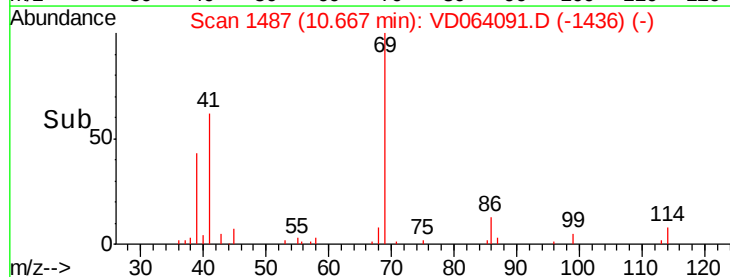
Ion	Ratio	Lower	Upper
69	100		
41	60.9	46.9	70.3
39	39.3	27.3	40.9

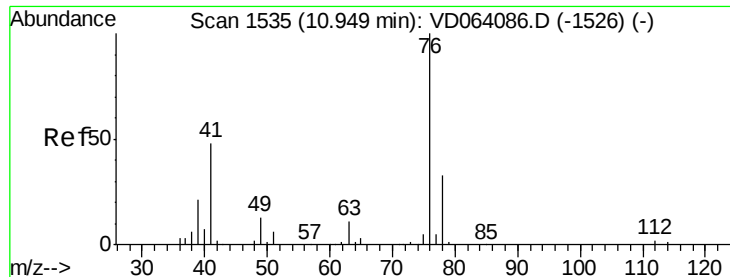


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

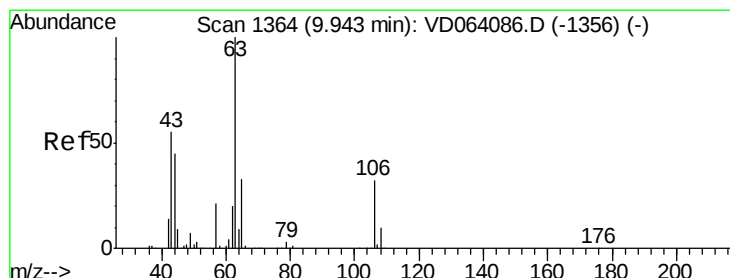
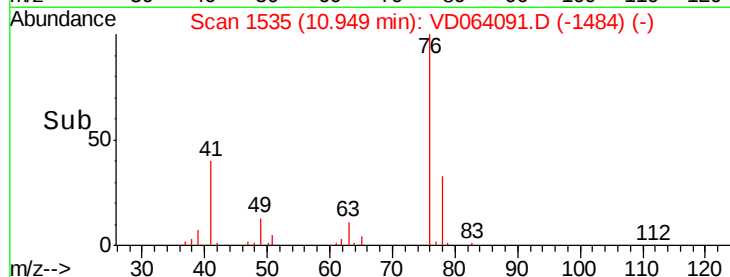
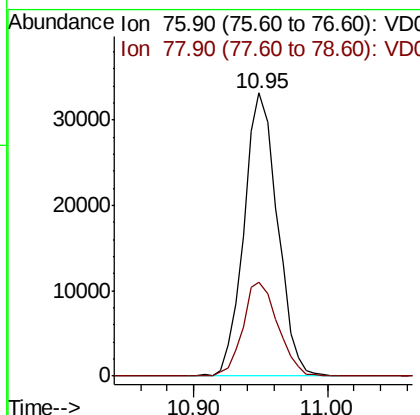
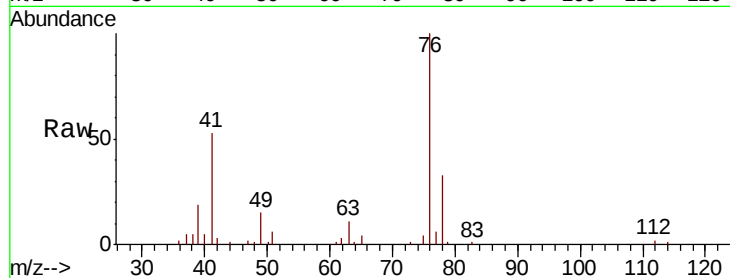




#57
 1,3-Dichloropropane
 Concen: 19.240 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

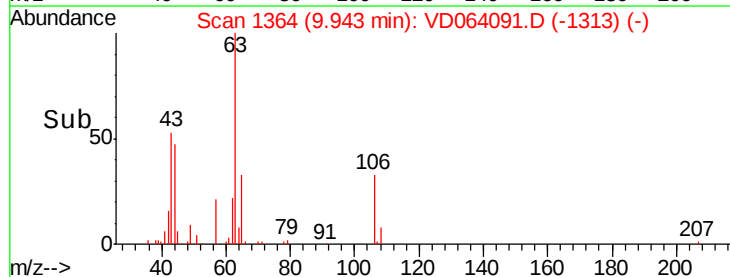
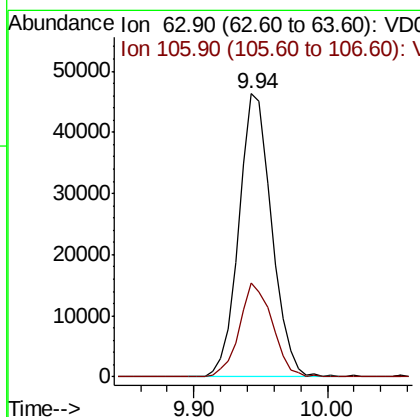
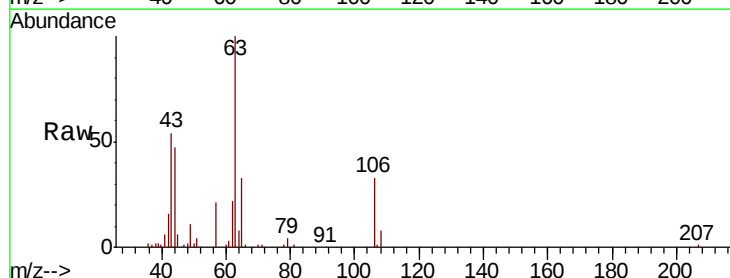
Instrument :
 MSVOA_D
 ClientSampleId :

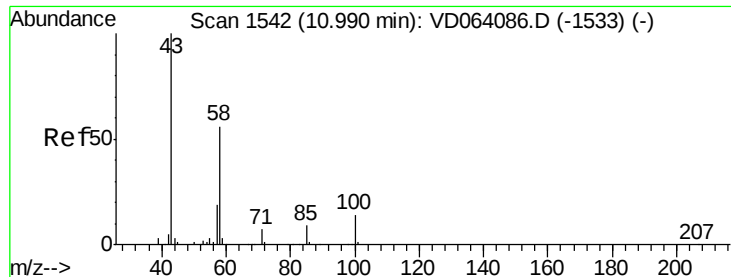
Tot Ion: 76 Resp: 57239
 Ion Ratio Lower Upper
 76 100
 78 34.7 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.006 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Tgt Ion: 63 Resp: 78813
 Ion Ratio Lower Upper
 63 100
 106 33.3 25.8 38.8

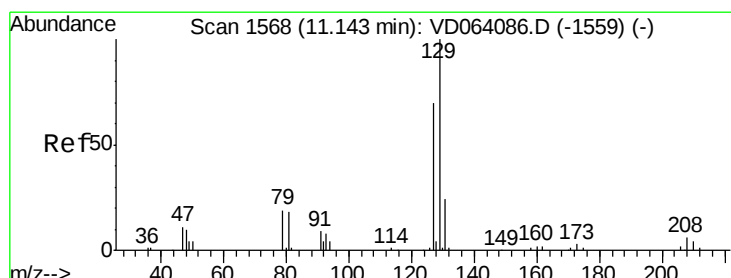
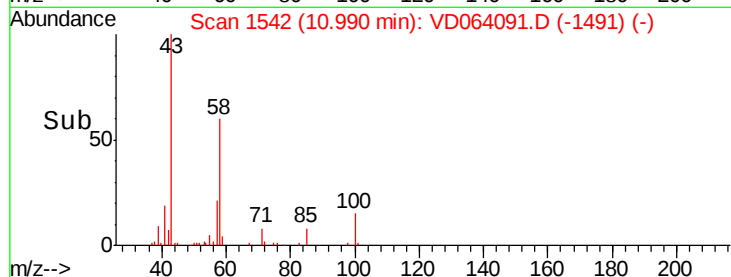
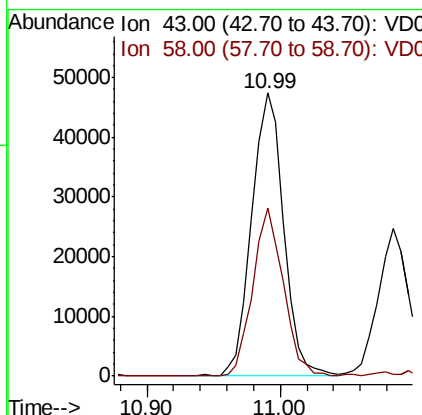
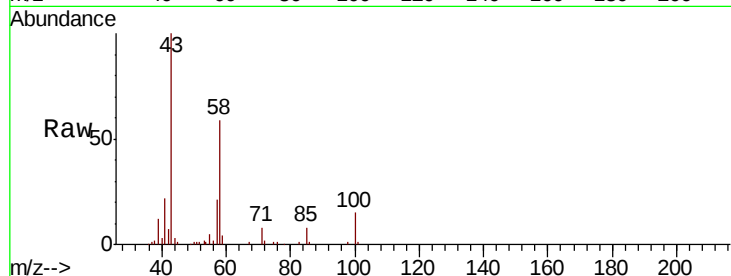




#59
2-Hexanone
Concen: 94.178 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

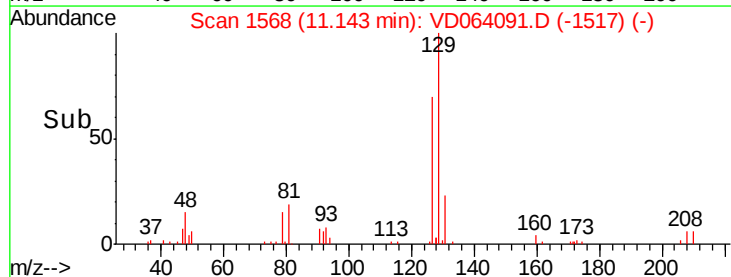
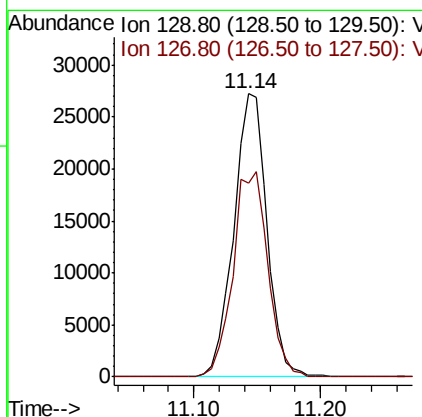
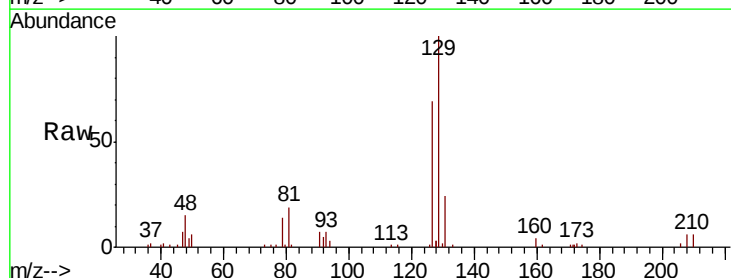
Instrument :
MSVOA_D
ClientSampleId :

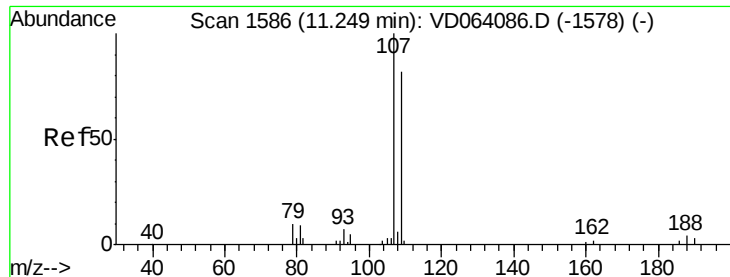
Tot Ion: 43 Resp: 78180
Ion Ratio Lower Upper
43 100
58 56.7 29.2 87.6



#60
Dibromochloromethane
Concen: 20.150 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion: 129 Resp: 49196
Ion Ratio Lower Upper
129 100
127 75.9 38.3 114.8

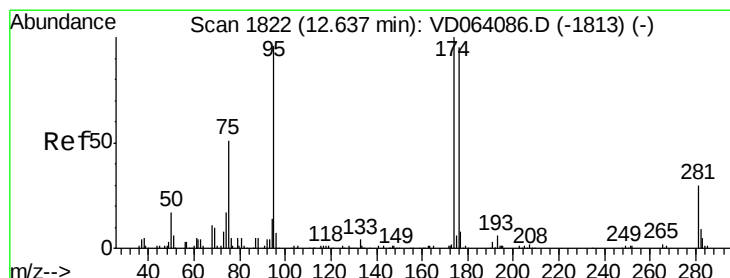
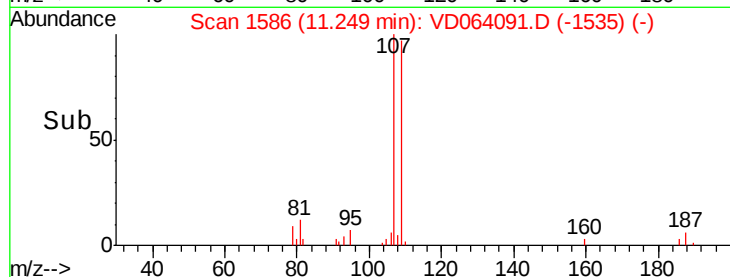
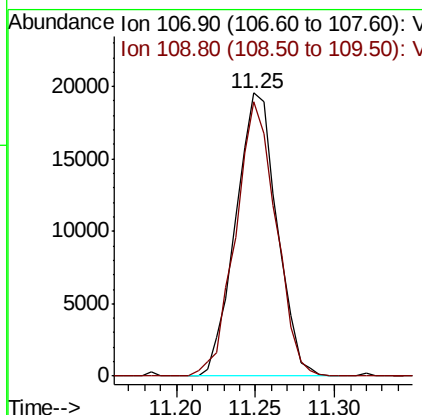
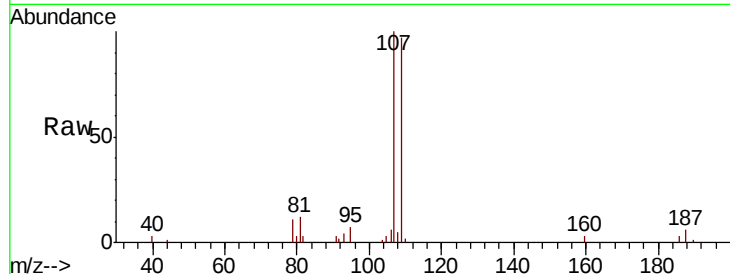




#61
 1,2-Dibromoethane
 Concen: 19.693 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

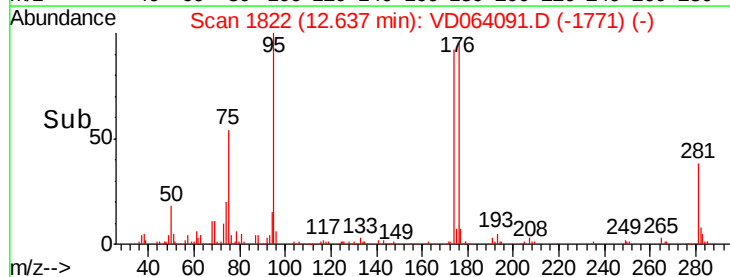
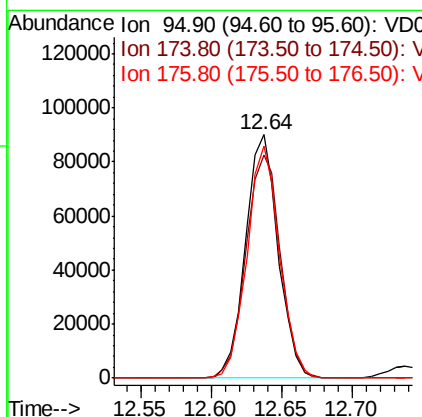
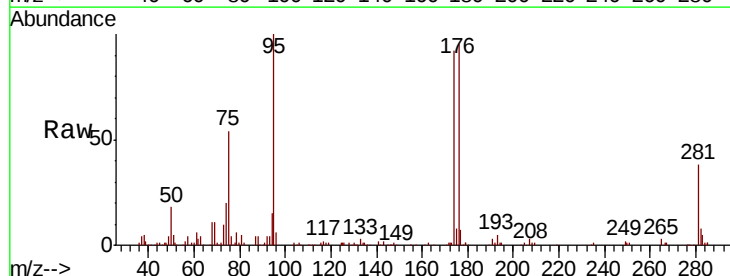
Instrument :
 MSVOA_D
 ClientSampleId :

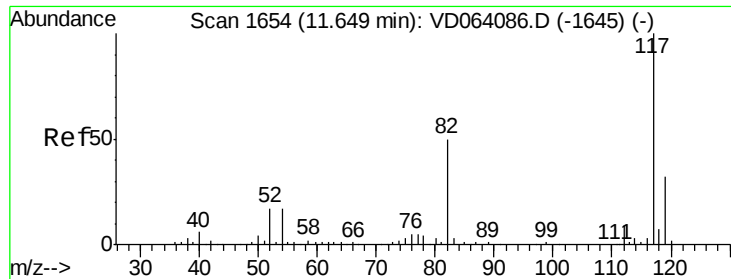
Tot Ion:107 Resp: 35431
 Ion Ratio Lower Upper
 107 100
 109 94.5 73.0 109.4



#62
 4-Bromofluorobenzene
 Concen: 50.267 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Tgt Ion: 95 Resp: 145866
 Ion Ratio Lower Upper
 95 100
 174 97.6 0.0 201.6
 176 95.2 0.0 192.6

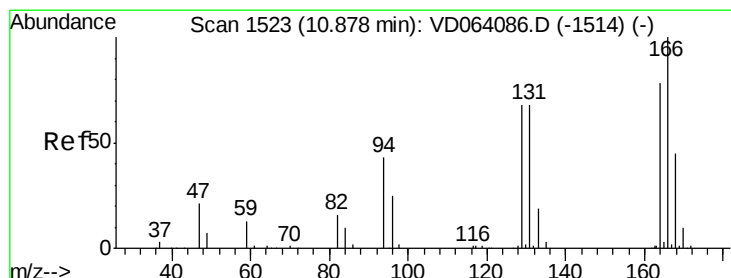
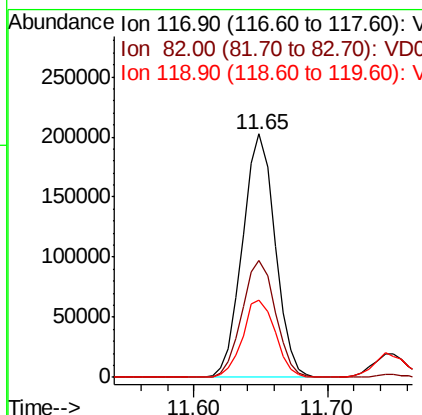
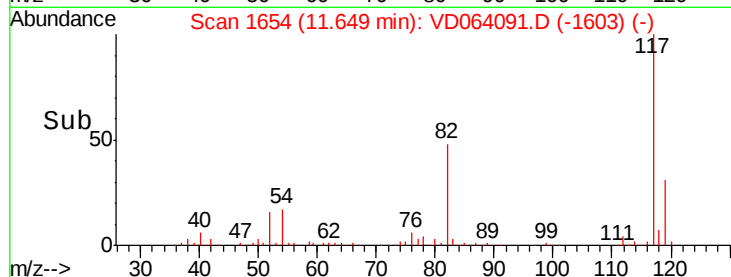
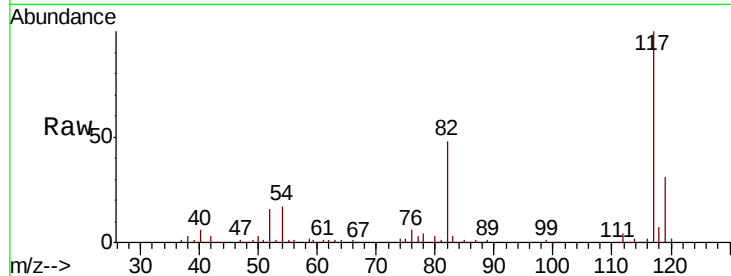




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

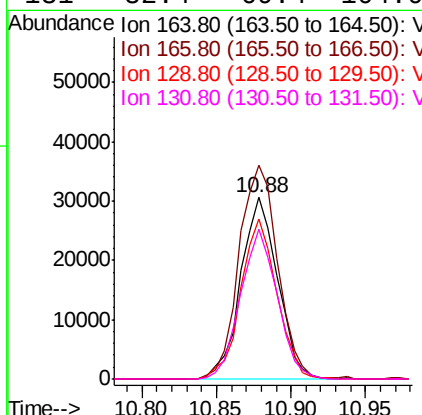
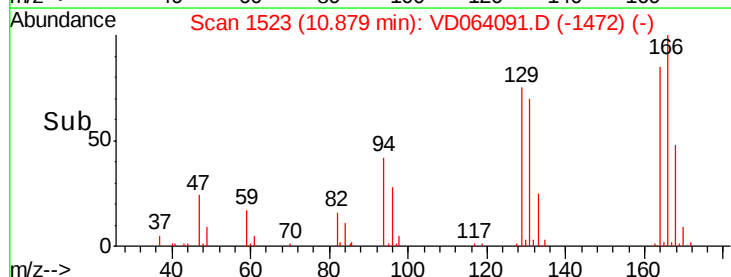
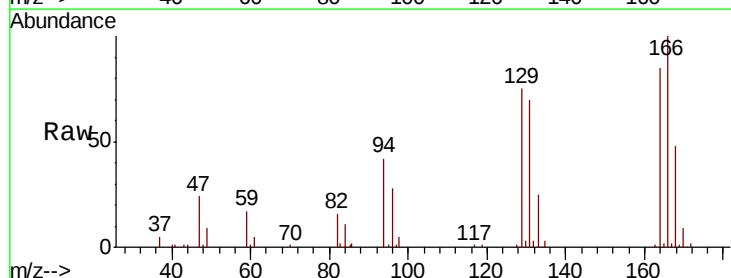
Instrument :
MSVOA_D
ClientSampled :

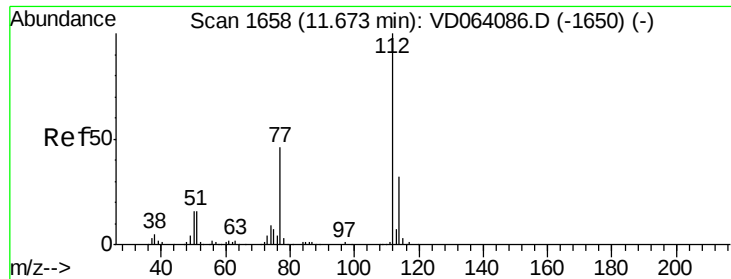
Tot Ion:117 Resp: 342684
Ion Ratio Lower Upper
117 100
82 48.2 40.2 60.4
119 31.5 26.0 39.0



#64
Tetrachloroethene
Concen: 21.232 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion:164 Resp: 52270
Ion Ratio Lower Upper
164 100
166 117.8 102.7 154.1
129 88.4 69.8 104.6
131 82.4 69.4 104.0

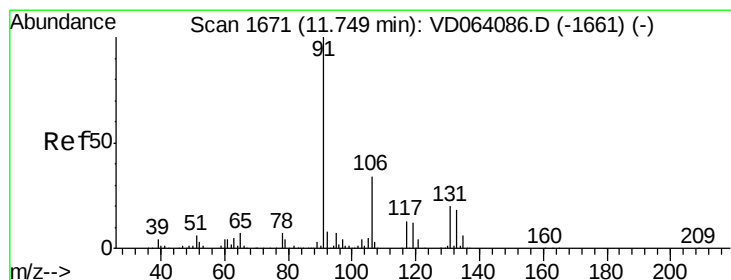
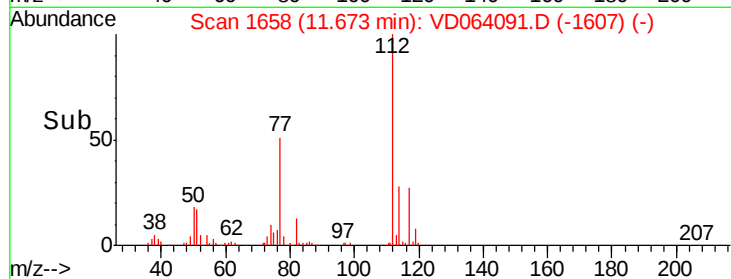
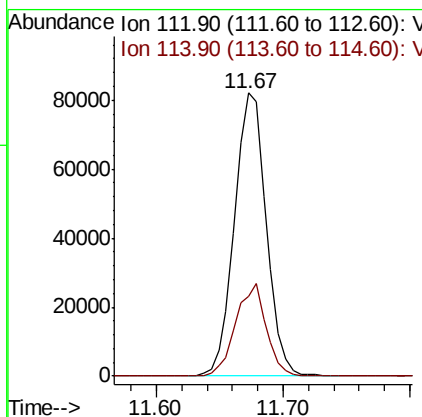
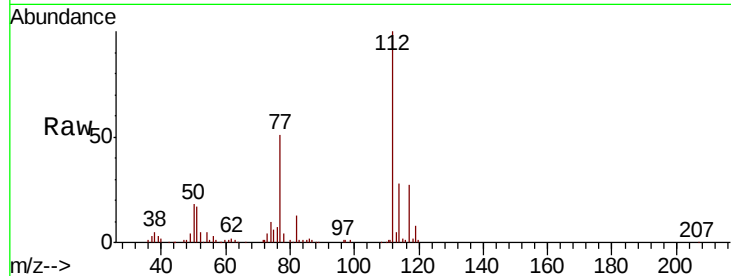




#65
Chlorobenzene
Concen: 20.105 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

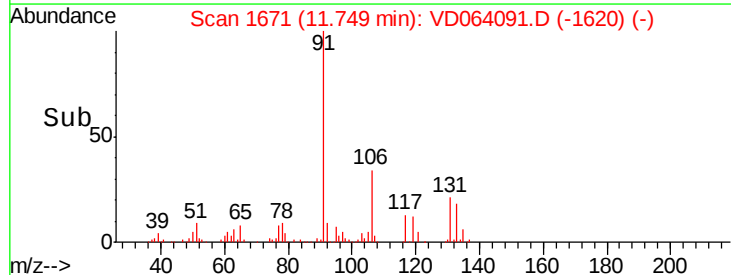
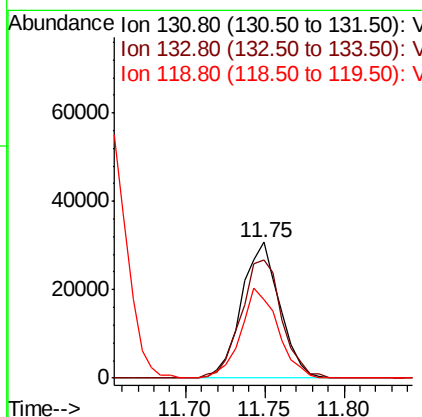
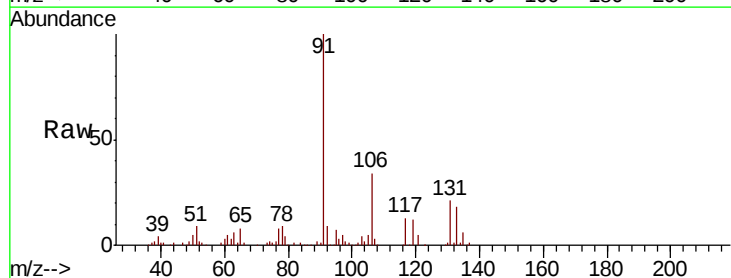
Instrument :
MSVOA_D
ClientSampled :

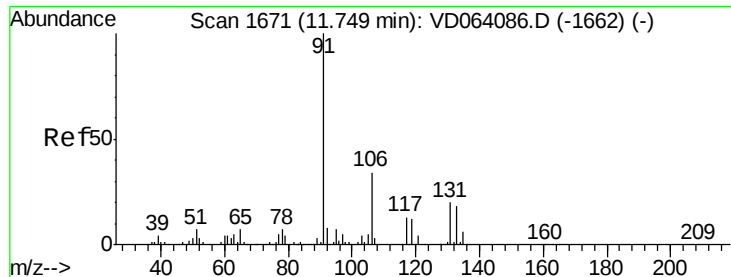
Tot Ion:112 Resp: 142358
Ion Ratio Lower Upper
112 100
114 28.2 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.477 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion:131 Resp: 51602
Ion Ratio Lower Upper
131 100
133 92.5 47.6 142.9
119 64.7 31.4 94.3





#67

Ethyl Benzene

Concen: 20.248 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

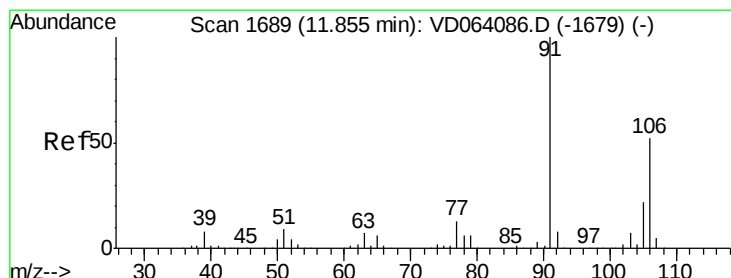
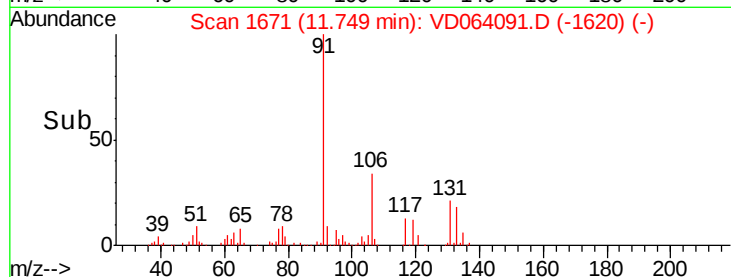
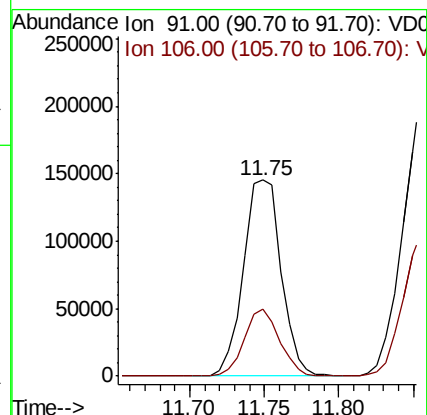
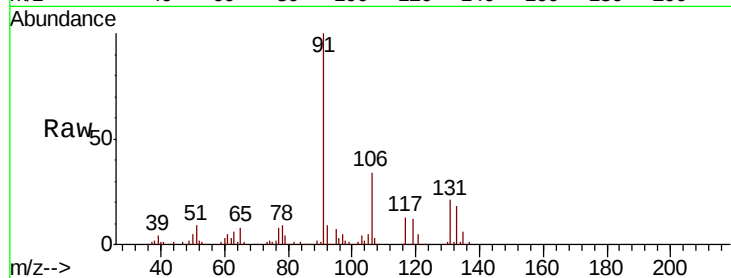
ClientSampleId :

Tot Ion: 91 Resp: 255003

Ion Ratio Lower Upper

91 100

106 34.2 27.0 40.6



#68

m/p-Xylenes

Concen: 39.144 ug/l

RT: 11.85 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064091.D

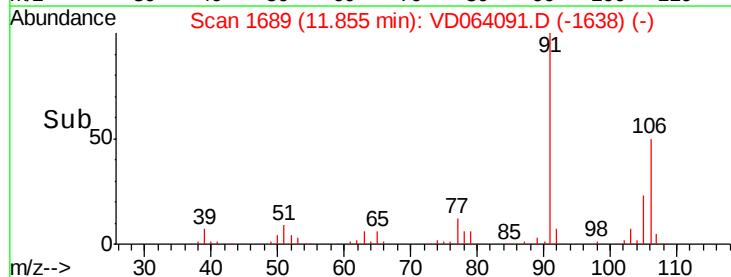
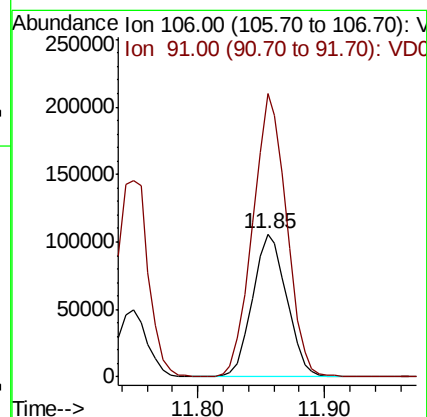
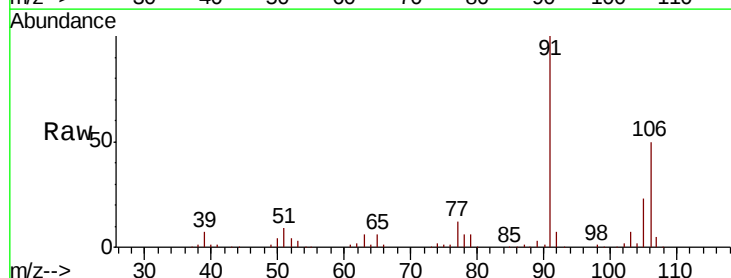
Acq: 29 Oct 2019 16:21

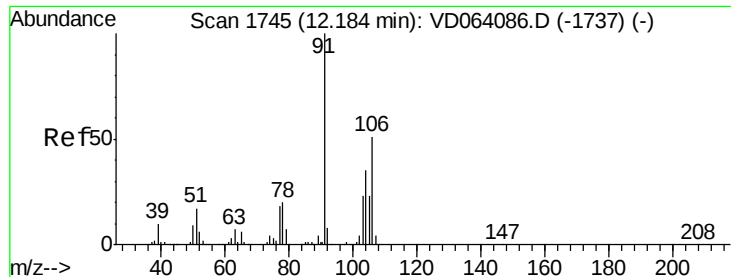
Tgt Ion: 106 Resp: 198290

Ion Ratio Lower Upper

106 100

91 196.6 154.0 231.0

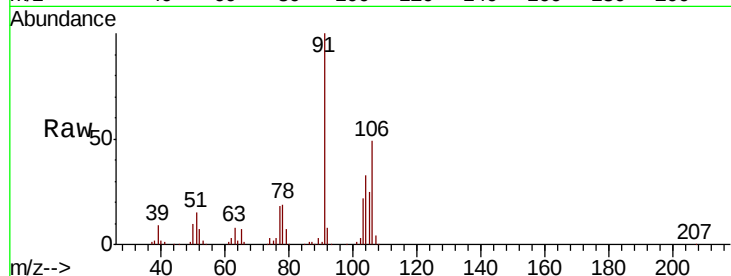




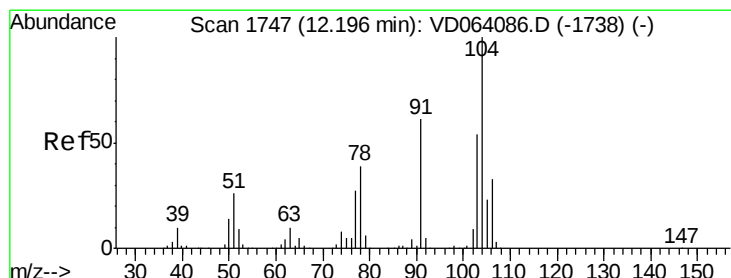
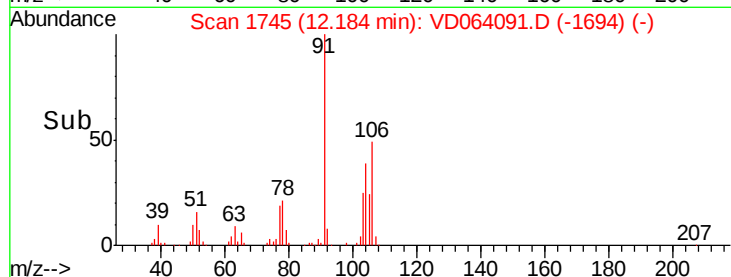
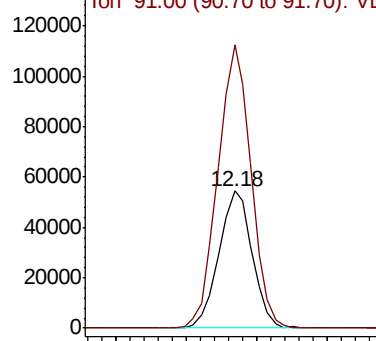
#69
o-Xylene
Concen: 19.515 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 90217
Ion Ratio Lower Upper
106 100
91 204.9 100.6 301.9

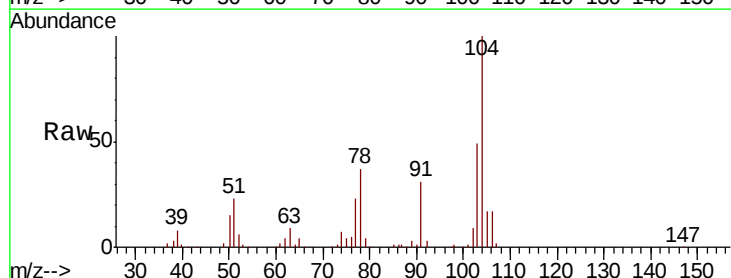


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

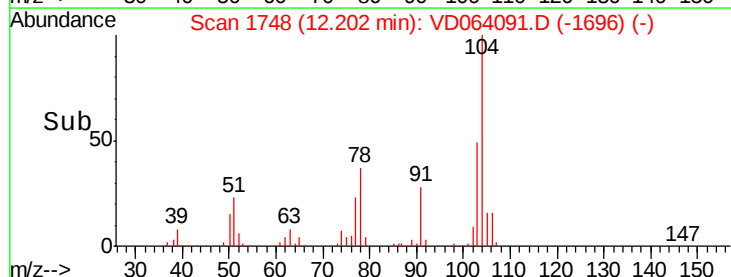
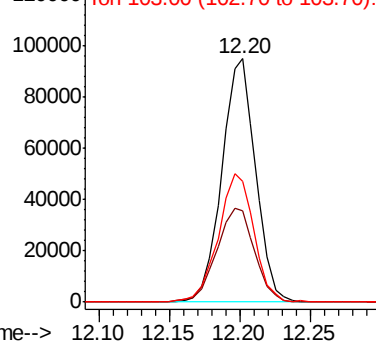


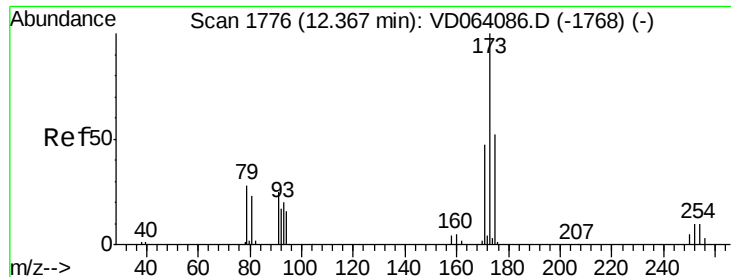
#70
Styrene
Concen: 19.990 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion:104 Resp: 159386
Ion Ratio Lower Upper
104 100
78 43.4 34.6 51.8
103 55.4 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

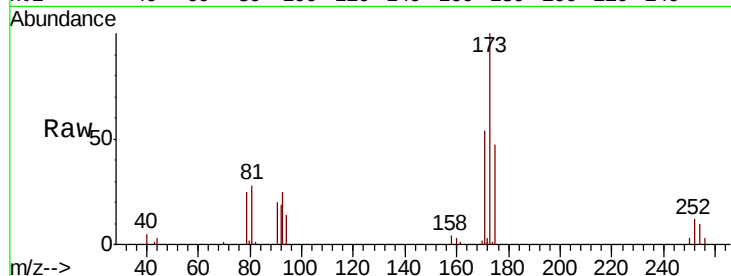




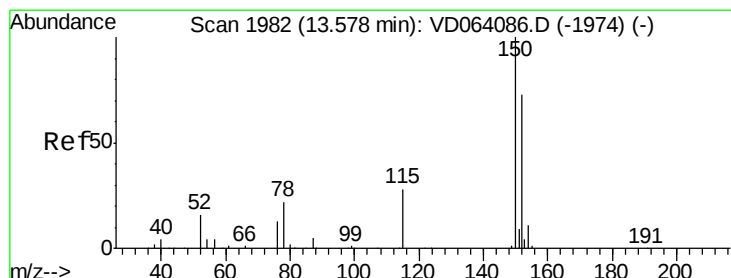
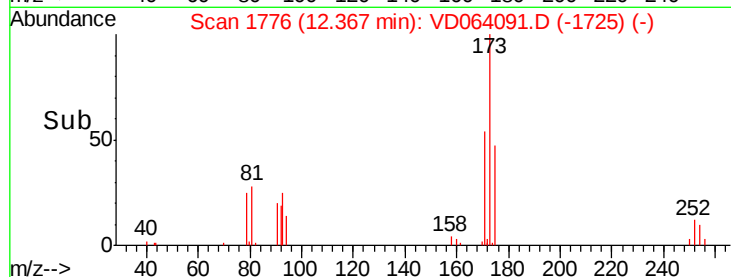
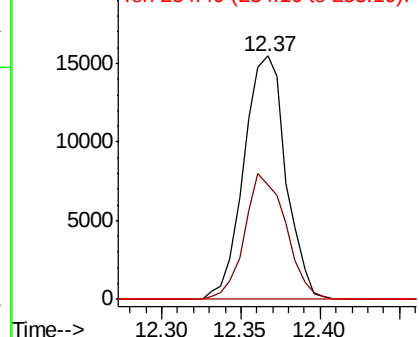
#71
Bromoform
Concen: 20.084 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 28419
Ion Ratio Lower Upper
173 100
175 50.9 24.3 72.9
254 0.0 0.0 0.0

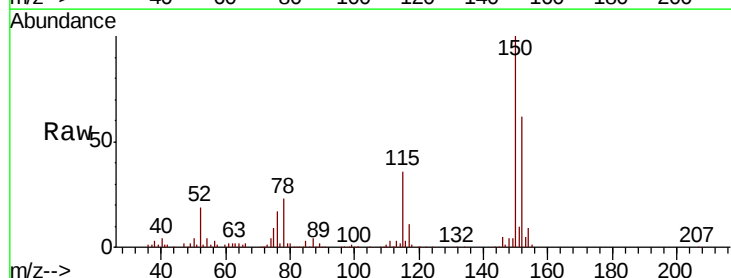


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

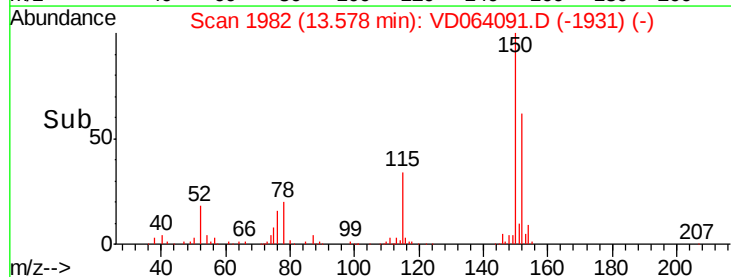
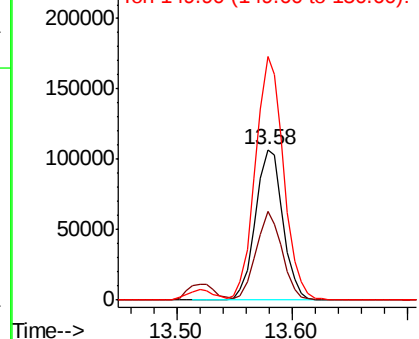


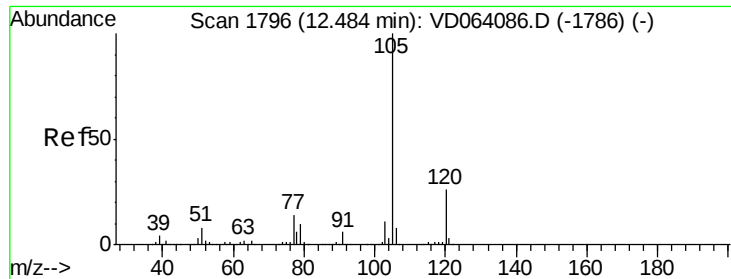
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion:152 Resp: 177601
Ion Ratio Lower Upper
152 100
115 55.5 26.2 78.6
150 166.2 0.0 338.8



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

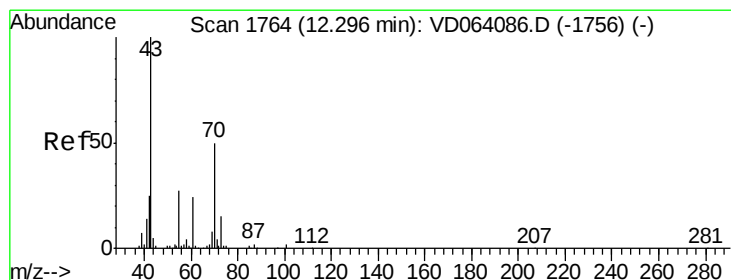
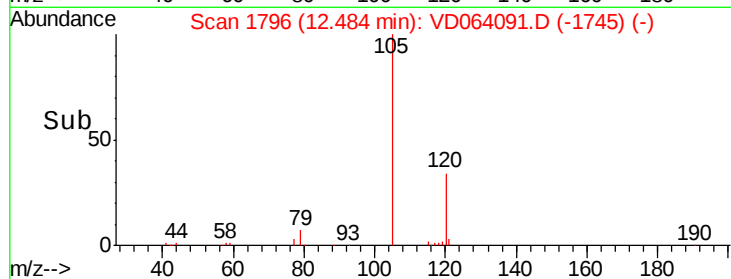
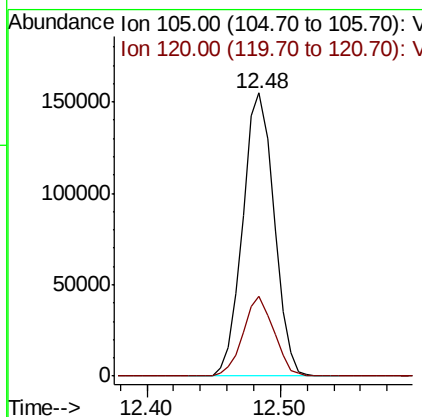
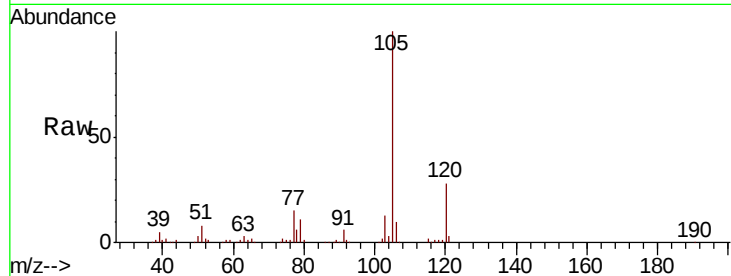




#73
Isopropylbenzene
Concen: 20.398 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

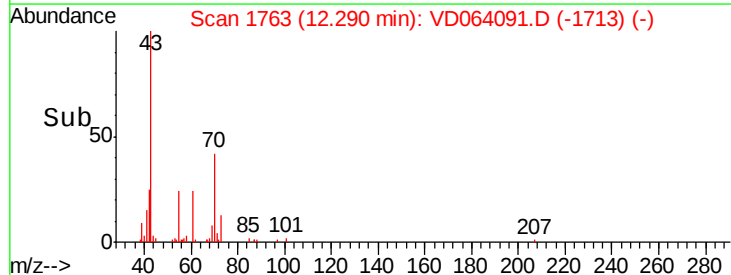
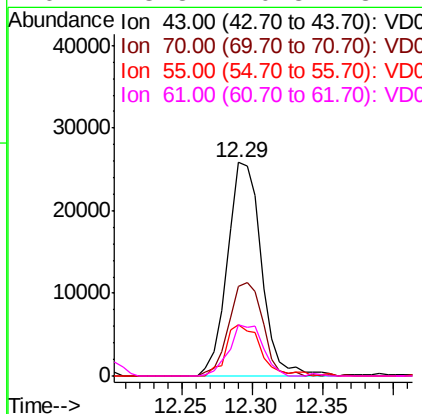
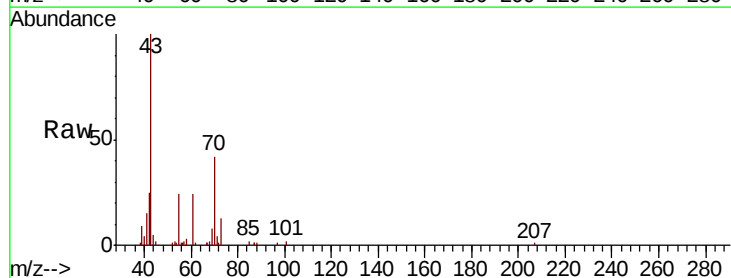
Instrument :
MSVOA_D
ClientSampleId :

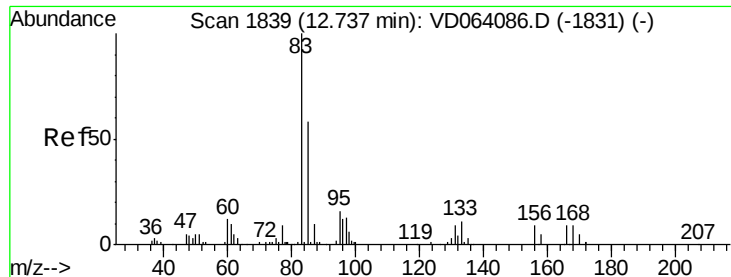
Tot Ion:105 Resp: 251747
Ion Ratio Lower Upper
105 100
120 27.5 13.3 39.9



#74
N-ethyl acetate
Concen: 21.177 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion: 43 Resp: 43420
Ion Ratio Lower Upper
43 100
70 43.7 38.6 58.0
55 24.8 20.4 30.6
61 23.8 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.384 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

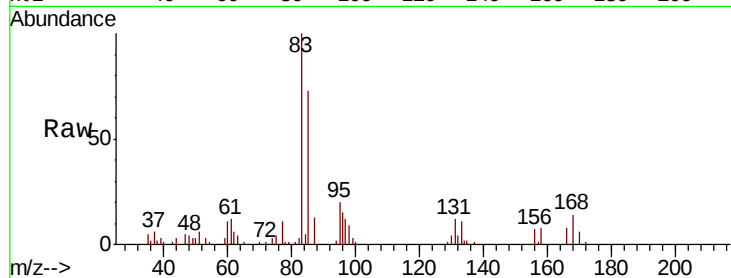
Tot Ion: 83 Resp: 39652

Ion Ratio Lower Upper

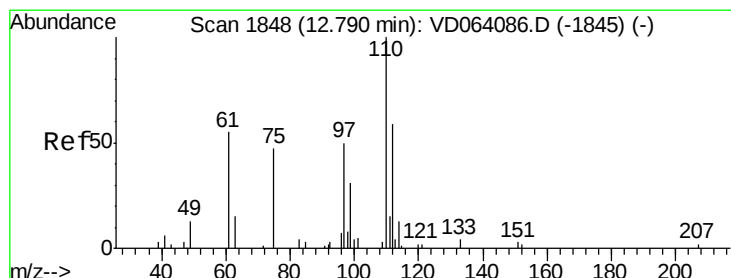
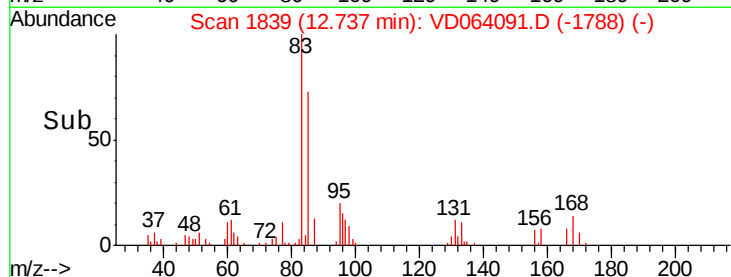
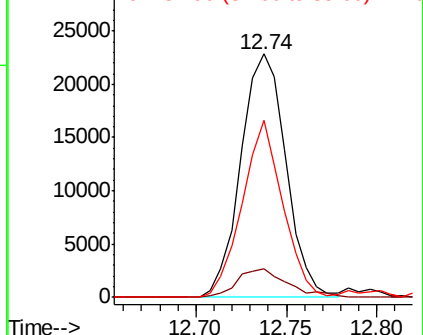
83 100

131 13.1 5.7 17.0

85 64.9 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 43.079 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064091.D

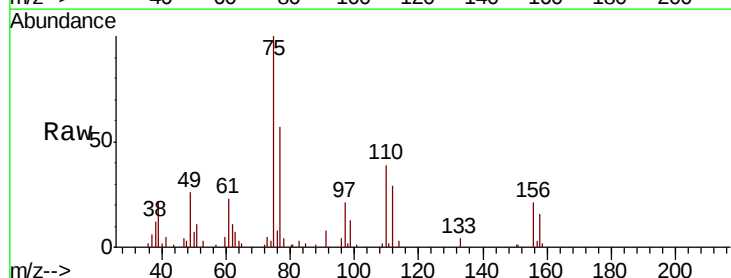
Acq: 29 Oct 2019 16:21

Tgt Ion: 75 Resp: 51410

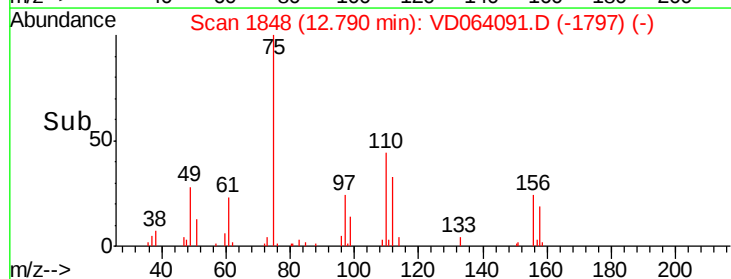
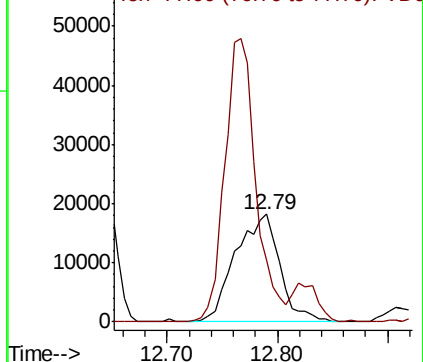
Ion Ratio Lower Upper

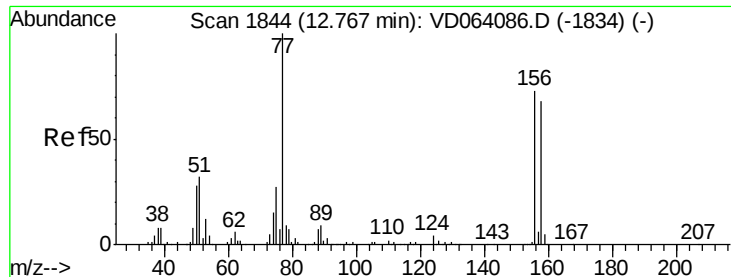
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.643 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

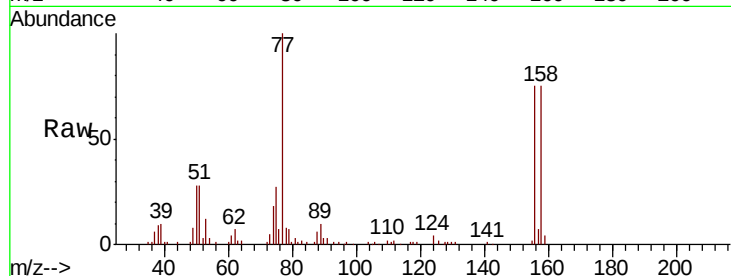
Tot Ion:156 Resp: 61513

Ion Ratio Lower Upper

156 100

77 154.2 76.0 228.0

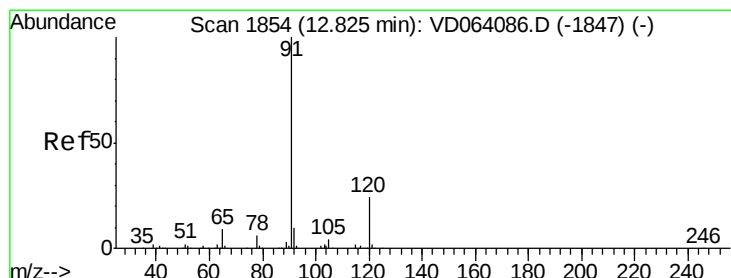
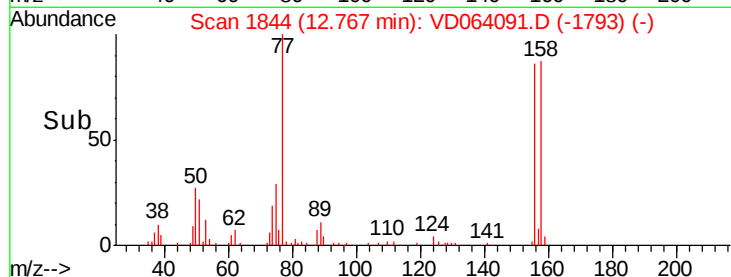
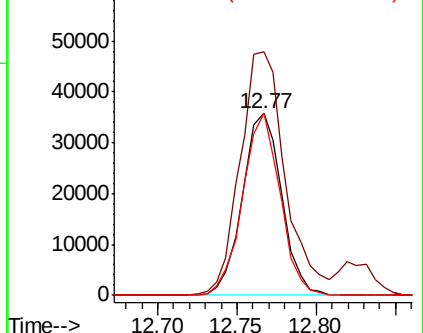
158 95.5 47.6 142.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.825 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064091.D

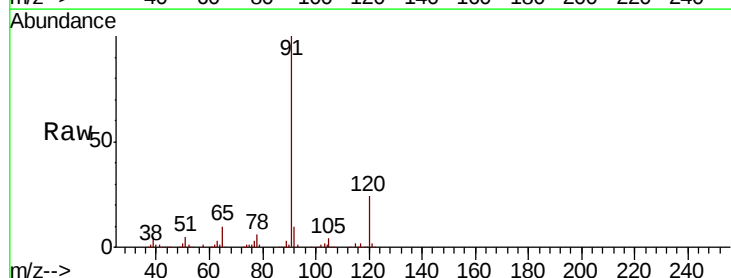
Acq: 29 Oct 2019 16:21

Tgt Ion: 91 Resp: 301189

Ion Ratio Lower Upper

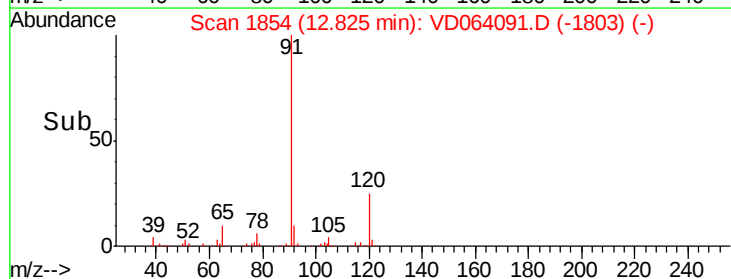
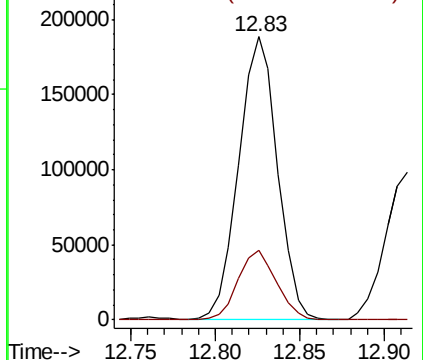
91 100

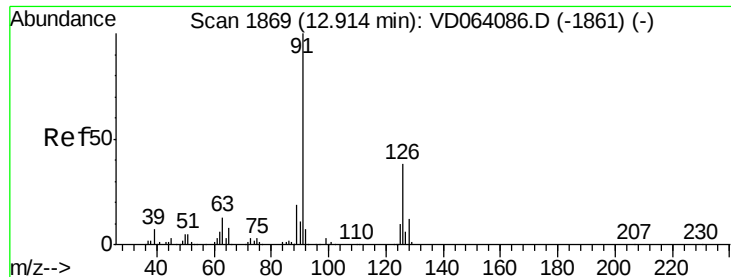
120 24.3 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.764 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

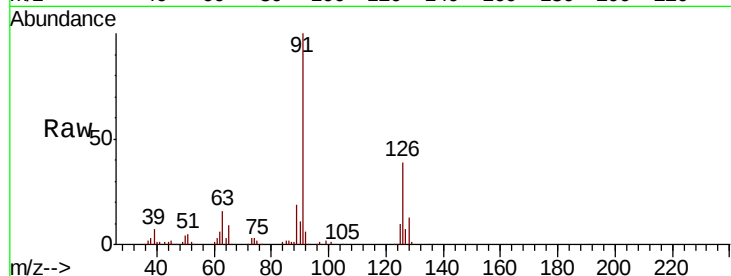
ClientSampled :

Tot Ion: 91 Resp: 160976

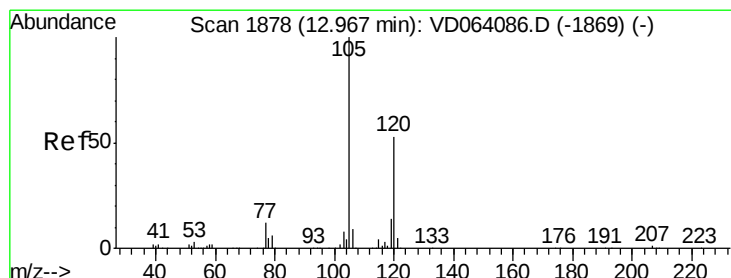
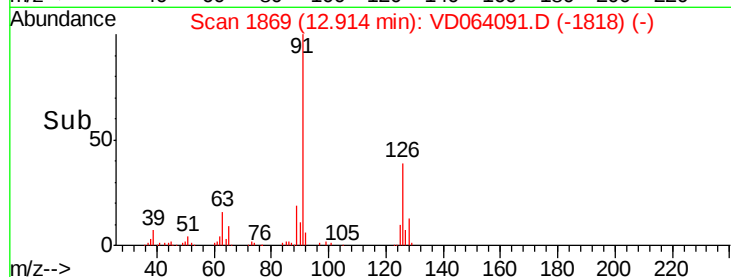
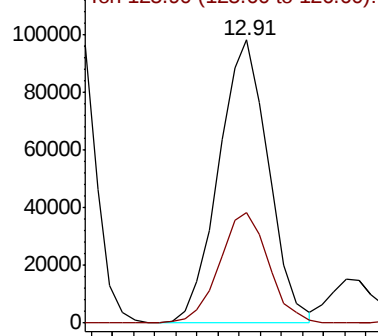
Ion Ratio Lower Upper

91 100

126 38.4 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 20.759 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064091.D

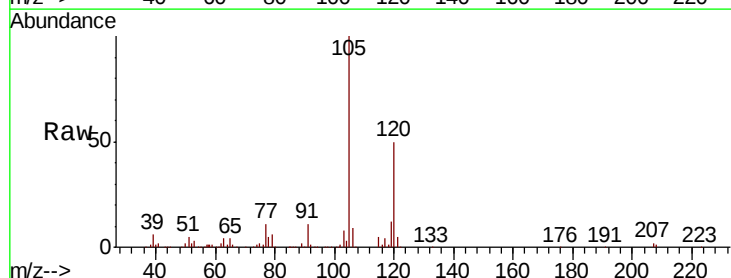
Acq: 29 Oct 2019 16:21

Tgt Ion:105 Resp: 214416

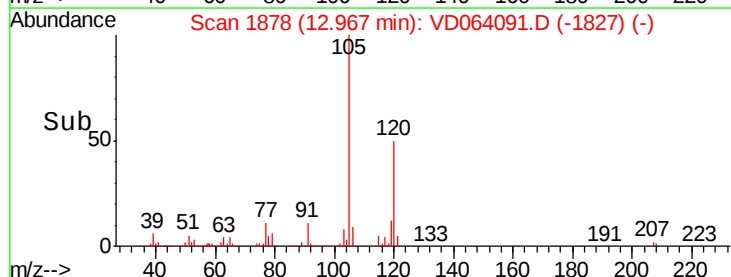
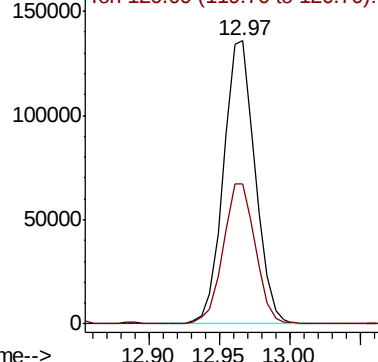
Ion Ratio Lower Upper

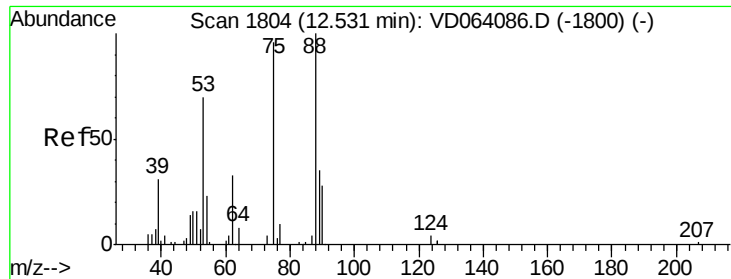
105 100

120 50.5 25.8 77.4



Abundance Ion 105.00 (104.70 to 105.70): V

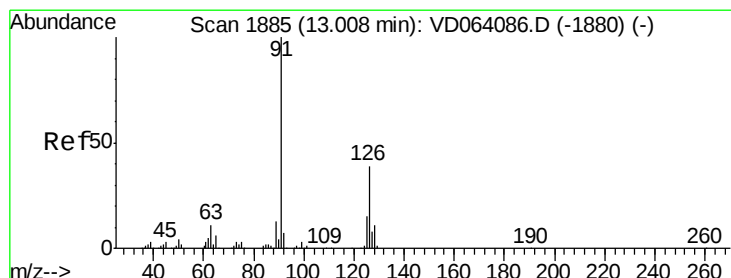
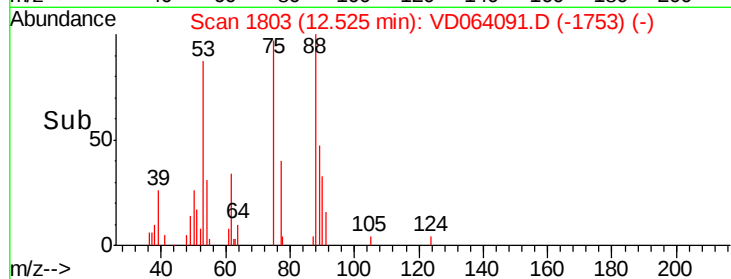
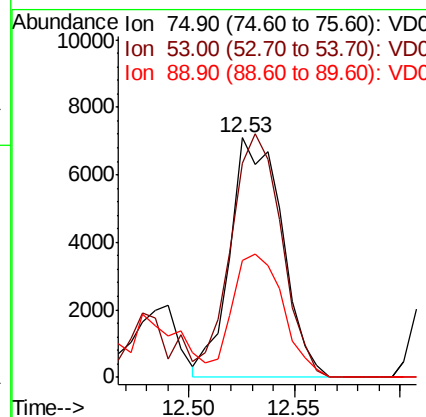
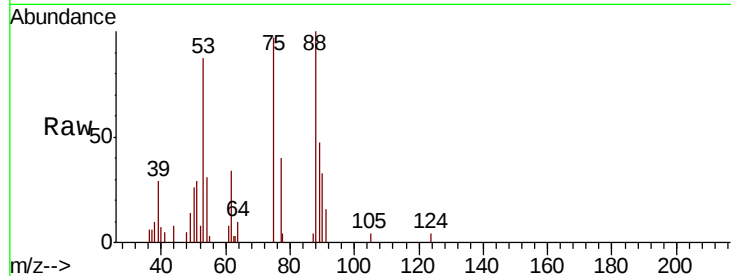




#81
trans-1,4-Dichloro-2-butene
Concen: 20.726 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

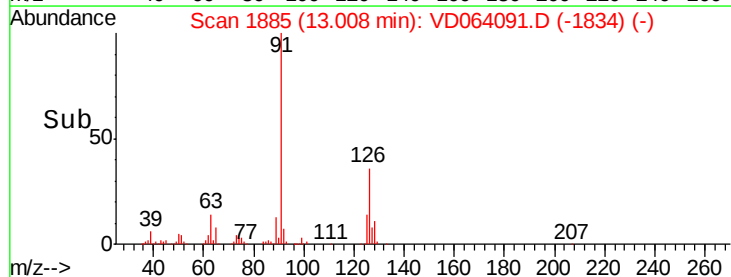
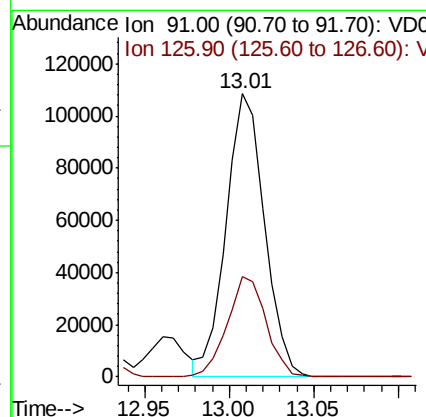
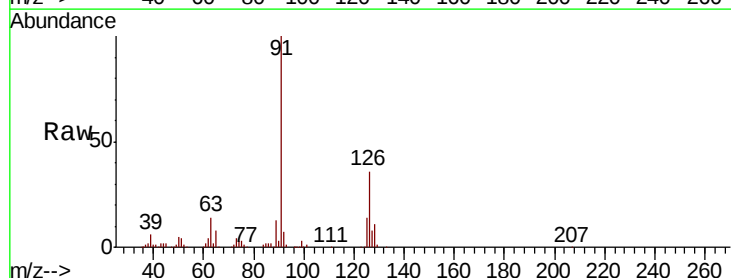
Instrument :
MSVOA_D
ClientSampleId :

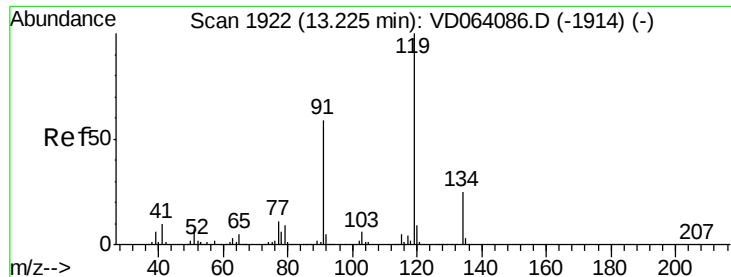
Tot Ion: 75 Resp: 12111
Ion Ratio Lower Upper
75 100
53 99.3 68.6 103.0
89 50.2 36.9 55.3



#82
4-Chlorotoluene
Concen: 20.709 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion: 91 Resp: 171553
Ion Ratio Lower Upper
91 100
126 36.0 18.9 56.5





#83

tert-Butylbenzene

Concen: 20.146 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

ClientSampled :

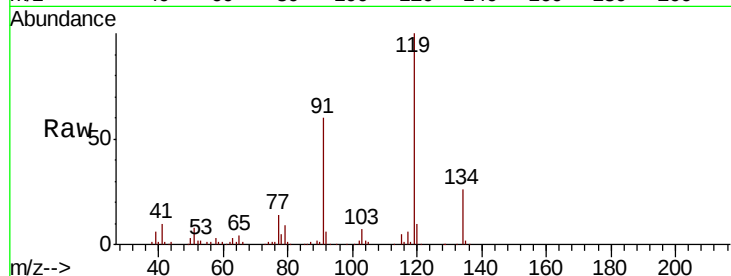
Tot Ion:119 Resp: 186894

Ion Ratio Lower Upper

119 100

91 60.1 28.3 85.0

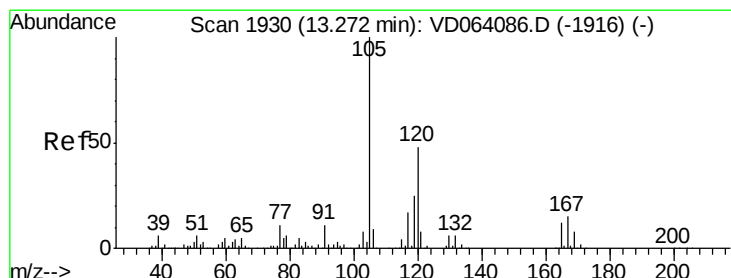
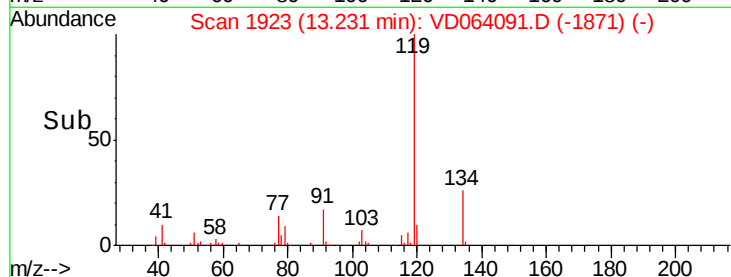
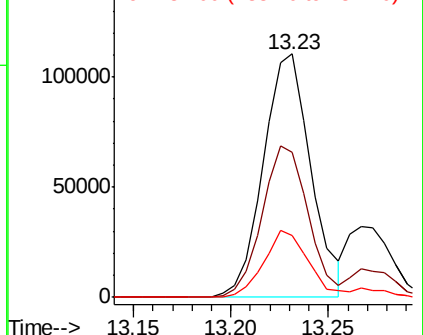
134 26.0 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.725 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD064091.D

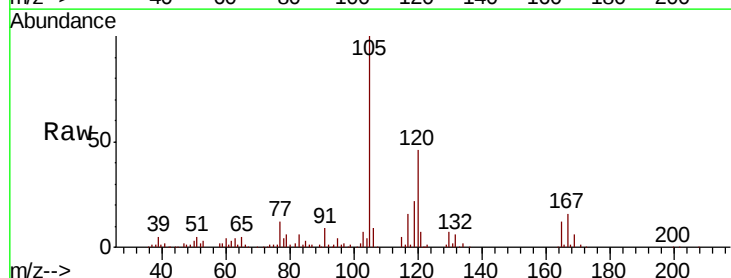
Acq: 29 Oct 2019 16:21

Tgt Ion:105 Resp: 215047

Ion Ratio Lower Upper

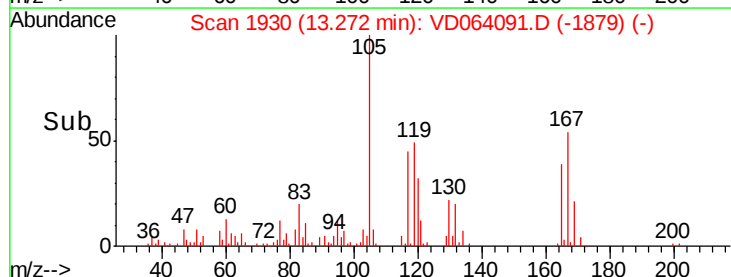
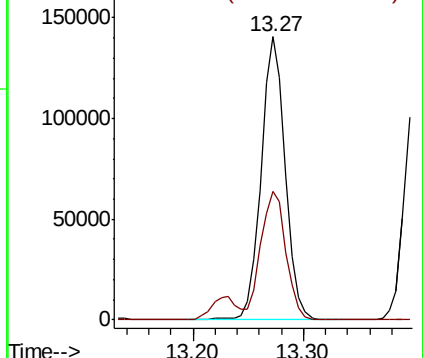
105 100

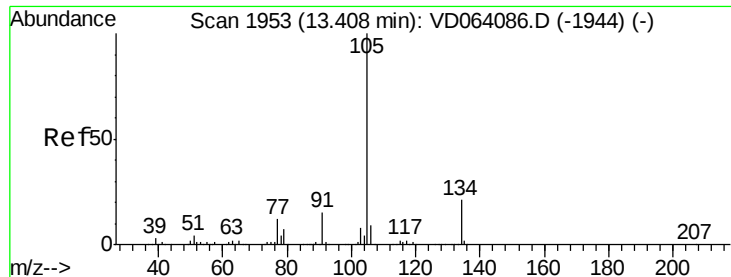
120 48.0 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.598 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

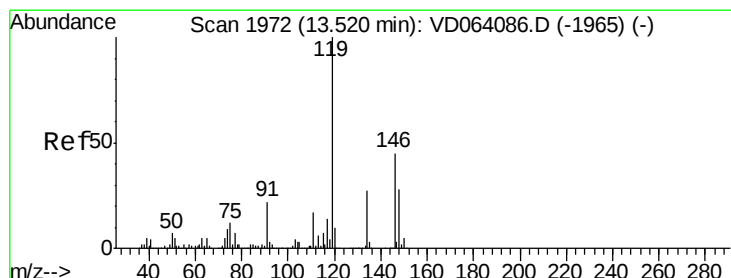
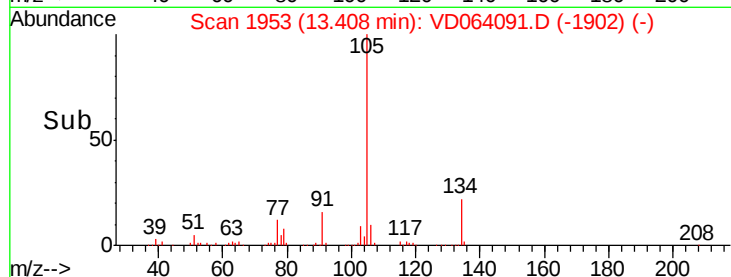
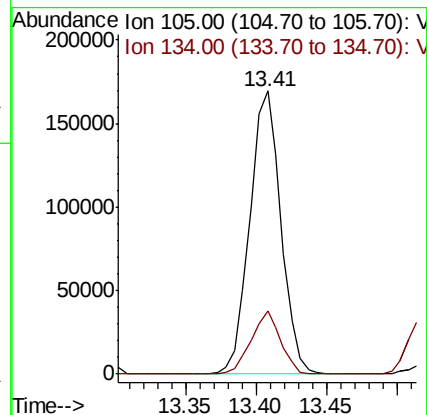
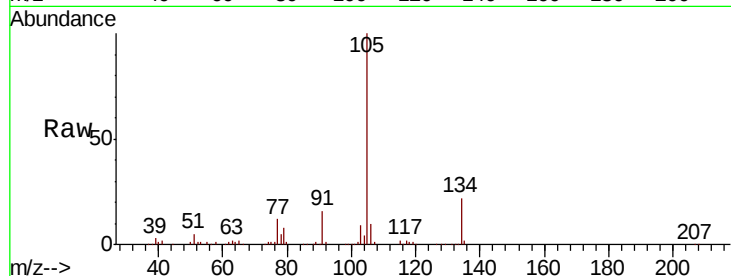
ClientSampleId :

Tot Ion:105 Resp: 262419

Ion Ratio Lower Upper

105 100

134 21.2 10.4 31.2



#86

p-Isopropyltoluene

Concen: 20.444 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

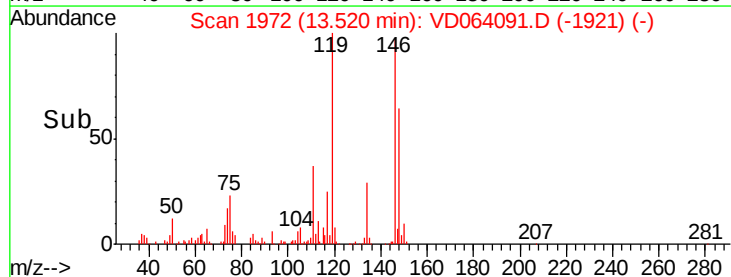
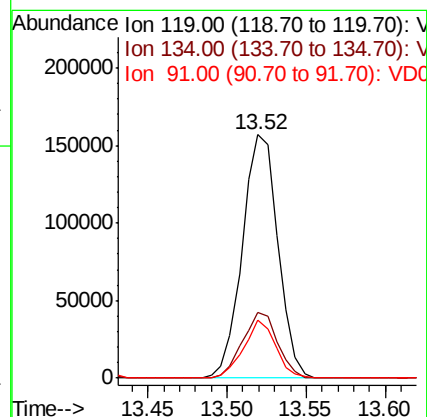
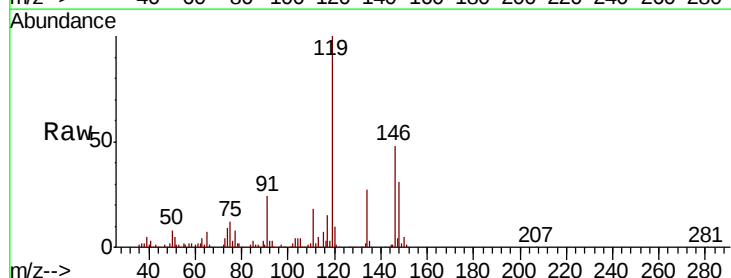
Tgt Ion:119 Resp: 244723

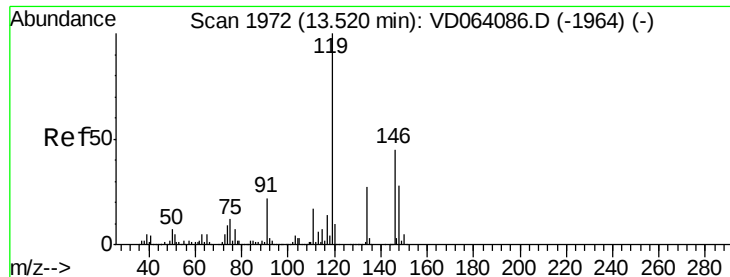
Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.8

91 21.5 10.9 32.6

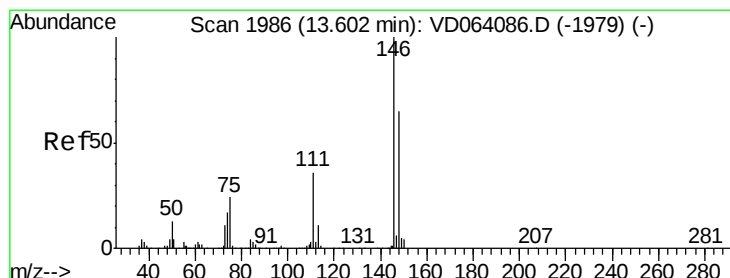
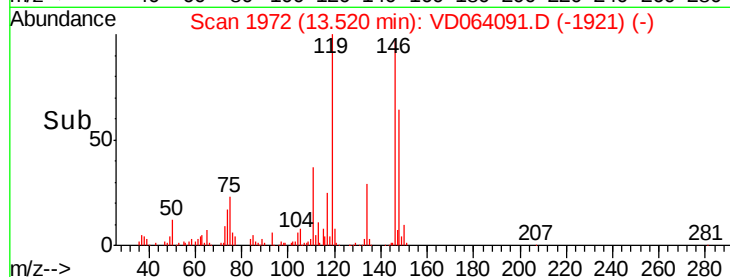
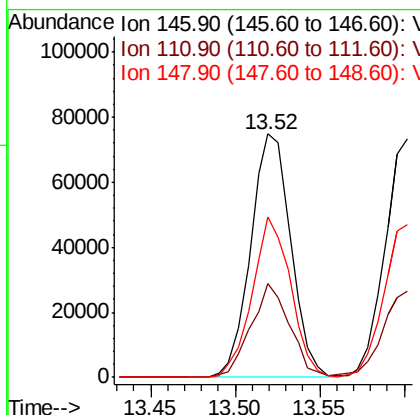
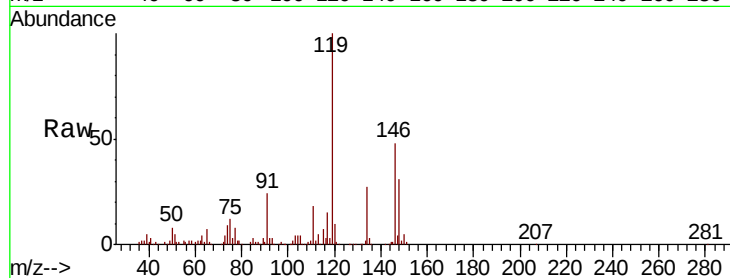




#87
 1,3-Dichlorobenzene
 Concen: 20.727 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

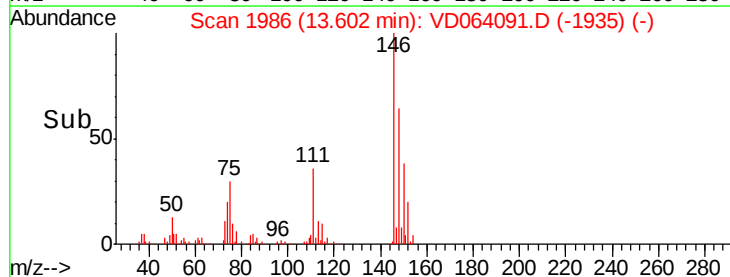
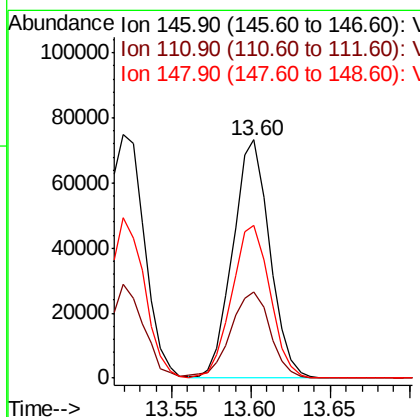
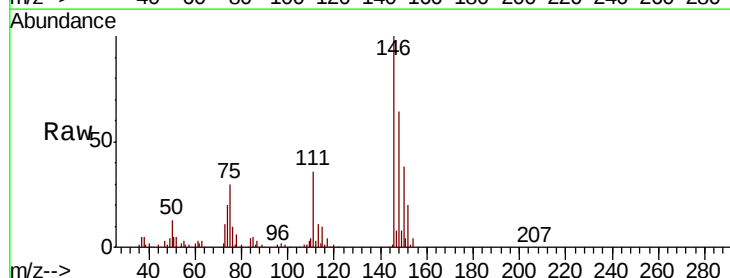
Instrument :
 MSVOA_D
 ClientSampled :

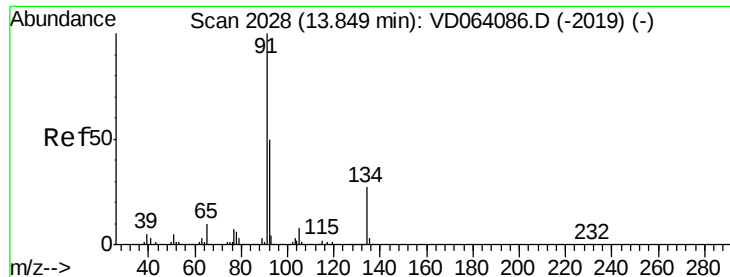
Tot Ion:146 Resp: 123771
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.9 56.9
 148 63.1 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 20.130 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Tgt Ion:146 Resp: 118498
 Ion Ratio Lower Upper
 146 100
 111 39.0 18.4 55.4
 148 66.2 32.4 97.0





#89

n-Butylbenzene

Concen: 20.698 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD064091.D

Acq: 29 Oct 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

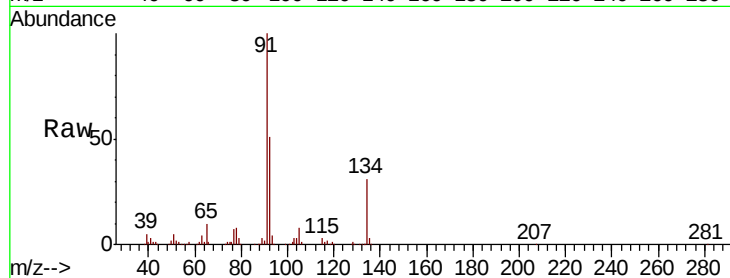
Tot Ion: 91 Resp: 228521

Ion Ratio Lower Upper

91 100

92 51.8 25.6 76.6

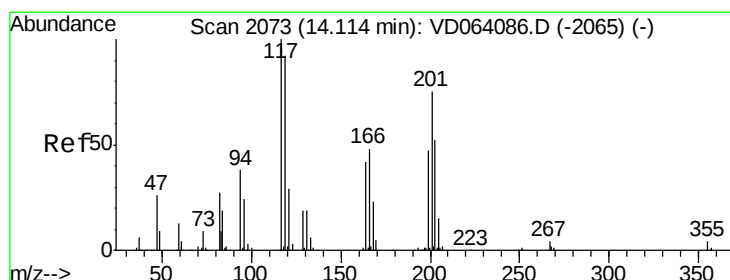
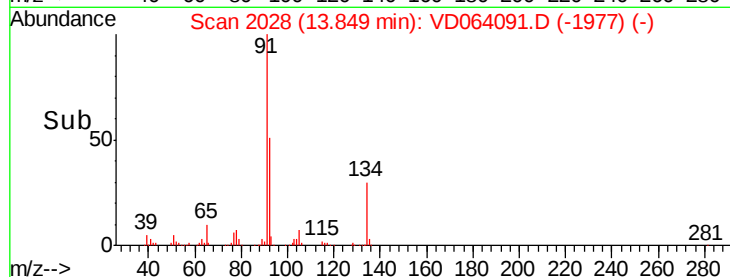
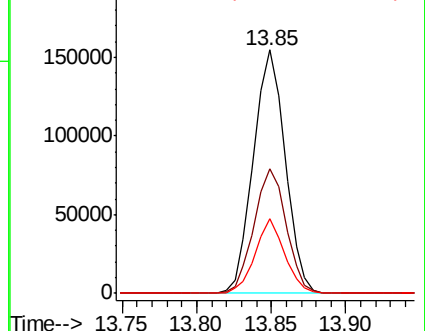
134 28.2 14.0 42.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): VDC



#90

Hexachloroethane

Concen: 20.745 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.01 min

Lab File: VD064091.D

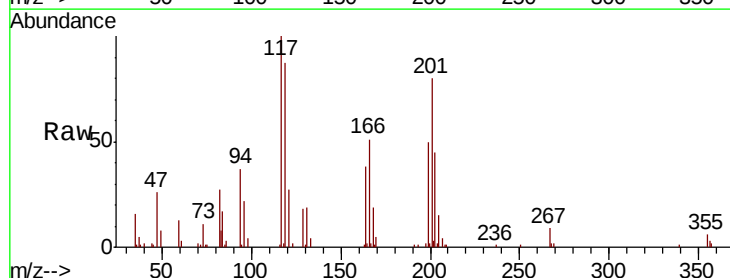
Acq: 29 Oct 2019 16:21

Tgt Ion: 117 Resp: 46492

Ion Ratio Lower Upper

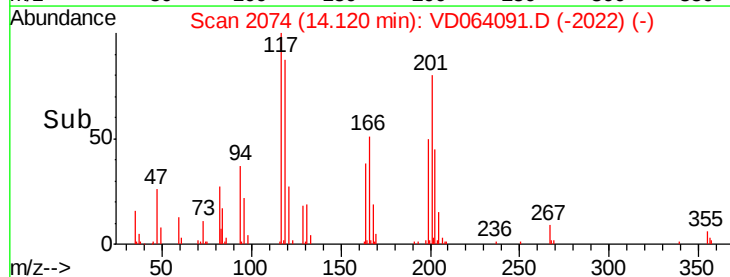
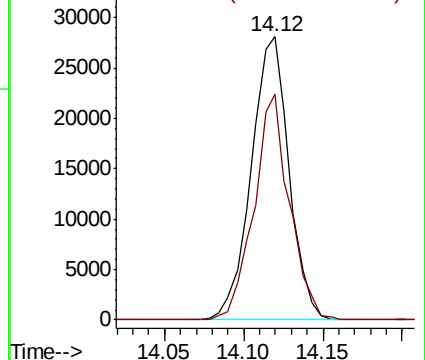
117 100

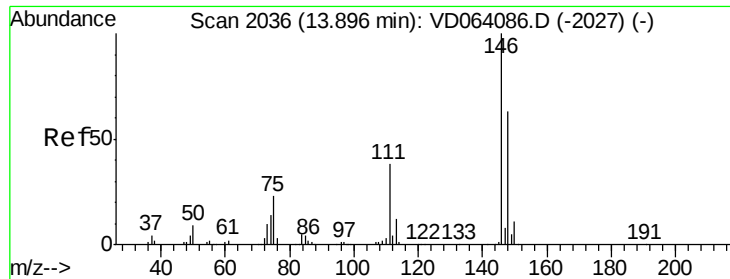
201 74.9 38.4 115.2



Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 200.70 (200.40 to 201.40): VDC

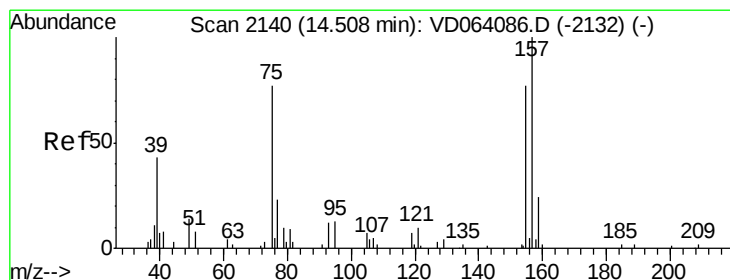
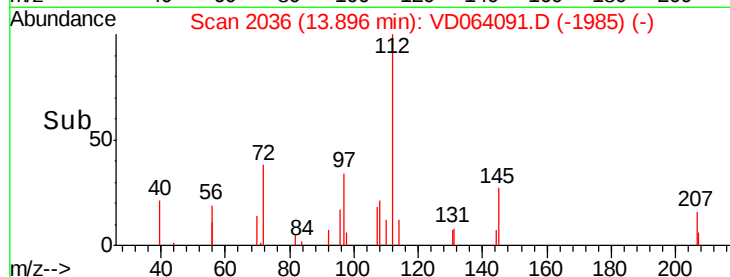
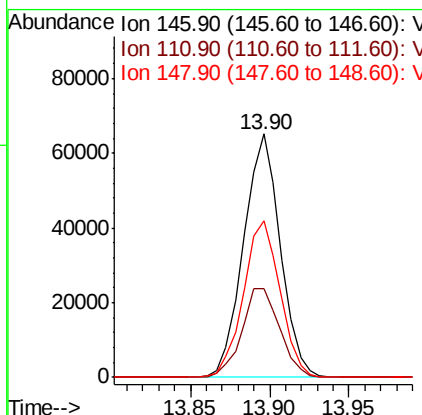
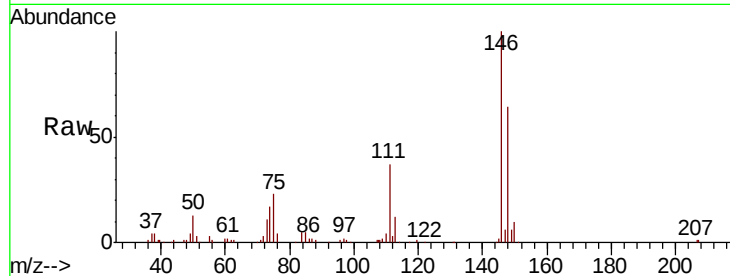




#91
 1,2-Dichlorobenzene
 Concen: 20.356 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

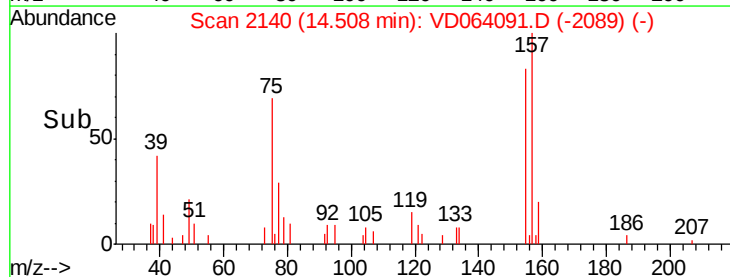
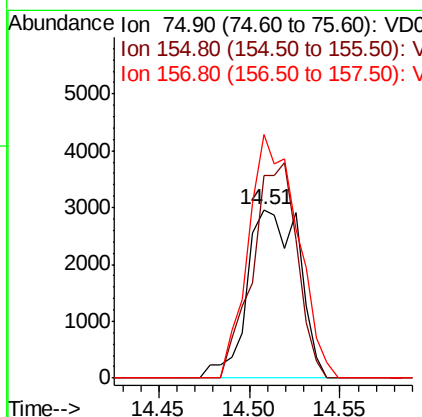
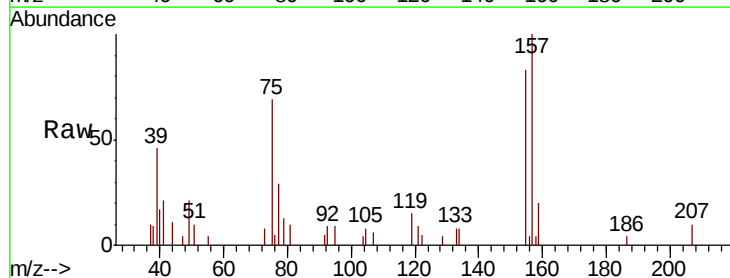
Instrument :
 MSVOA_D
 ClientSampleId :

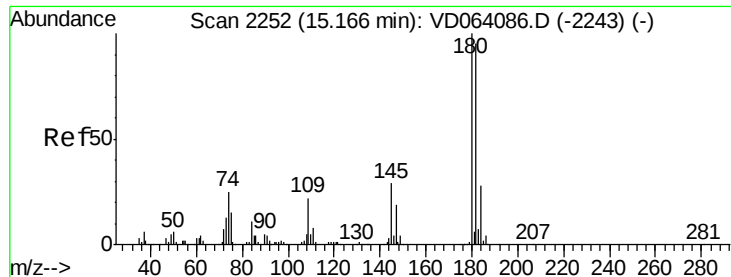
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.1
148	64.3	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.940 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	108.4	56.3	168.9
157	135.1	72.2	216.6

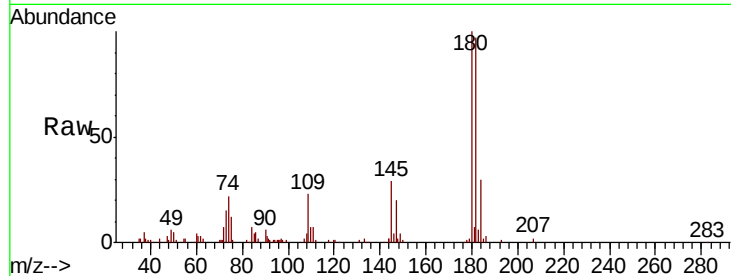




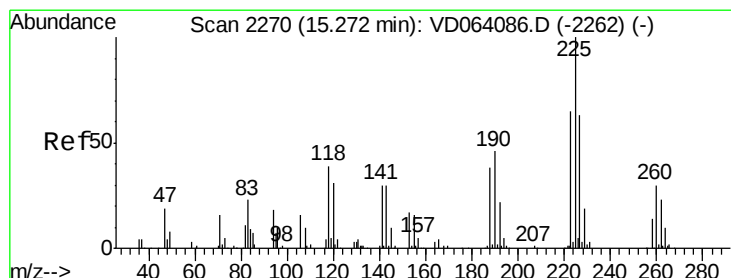
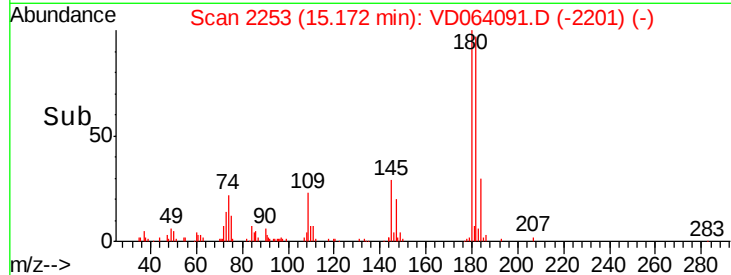
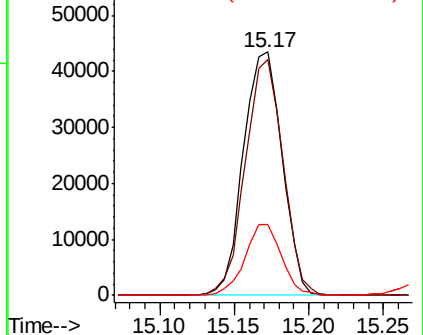
#93
 1,2,4-Trichlorobenzene
 Concen: 21.140 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 78093
 Ion Ratio Lower Upper
 180 100
 182 94.2 46.9 140.7
 145 27.5 14.2 42.6

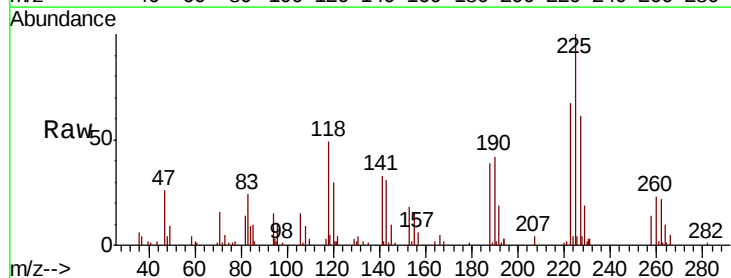


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

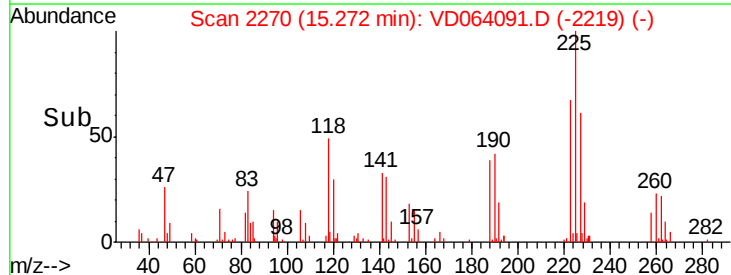
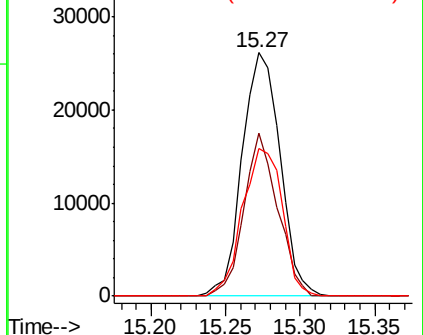


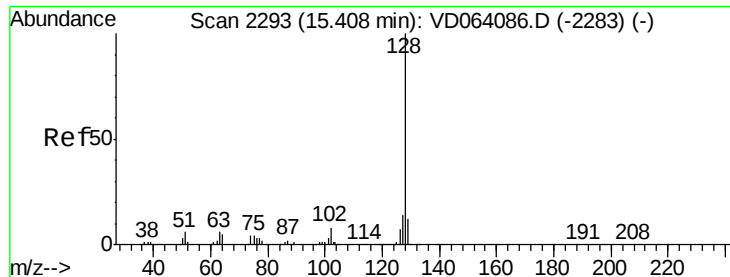
#94
 Hexachlorobutadiene
 Concen: 21.354 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD064091.D
 Acq: 29 Oct 2019 16:21

Tgt Ion:225 Resp: 46103
 Ion Ratio Lower Upper
 225 100
 223 59.5 30.8 92.3
 227 63.4 31.7 95.1



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

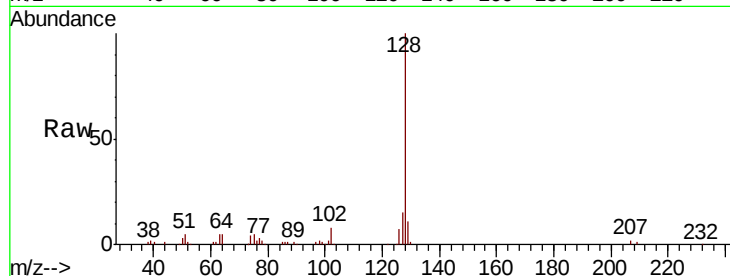




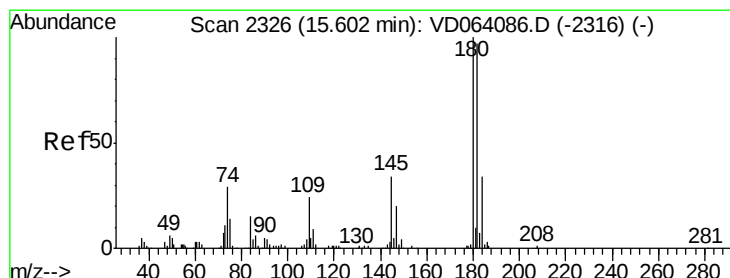
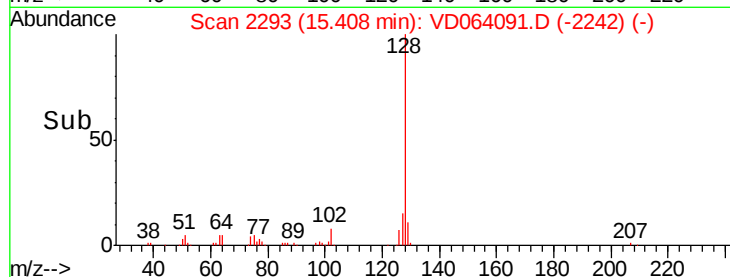
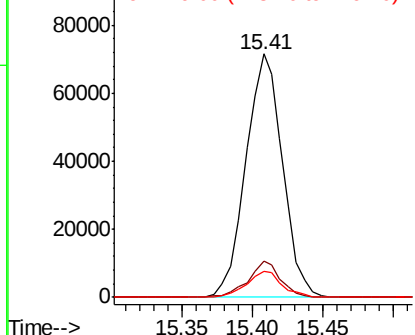
#95
Naphthalene
Concen: 21.601 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.9	16.3
129	10.4	8.8	13.2

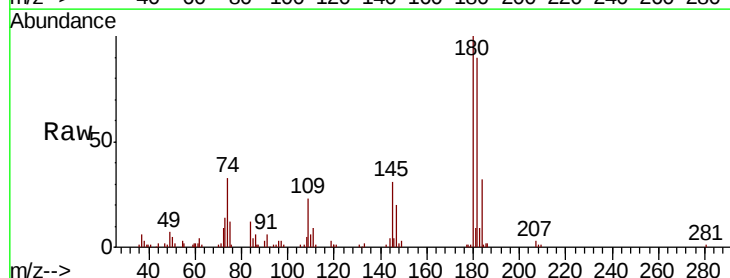


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.507 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD064091.D
Acq: 29 Oct 2019 16:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.4	145.0
145	32.8	16.4	49.4



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

