

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102919\
 Data File : VD064089.D
 Acq On : 29 Oct 2019 15:09
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 30 08:03:26 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	7.99	168	264561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	391890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	375022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	204595	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	114123	54.24	ug/l	0.00
Spiked Amount			Recovery	=	108.48%	
35) Dibromofluoromethane	7.91	113	132481	54.95	ug/l	0.00
Spiked Amount			Recovery	=	109.90%	
50) Toluene-d8	10.34	98	524307	54.38	ug/l	0.00
Spiked Amount			Recovery	=	108.76%	
62) 4-Bromofluorobenzene	12.64	95	179072	56.02	ug/l	0.00
Spiked Amount			Recovery	=	112.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	149805	55.453	ug/l	99
3) Chloromethane	2.21	50	215738	47.864	ug/l	100
4) Vinyl Chloride	2.35	62	239583	49.016	ug/l	100
5) Bromomethane	2.77	94	154691	48.562	ug/l	94
6) Chloroethane	2.92	64	144580	47.623	ug/l	99
7) Trichlorofluoromethane	3.27	101	331351	49.244	ug/l	99
8) Diethyl Ether	3.70	74	56460	48.273	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	128243	52.887	ug/l	99
10) Methyl Iodide	4.29	142	165057	54.941	ug/l	97
11) Tert butyl alcohol	5.24	59	28241	233.675	ug/l	100
12) 1,1-Dichloroethene	4.06	96	122765	53.494	ug/l	84
13) Acrolein	3.92	56	33573	250.247	ug/l	99
14) Allyl chloride	4.71	41	144692	53.867	ug/l	97
15) Acrylonitrile	5.43	53	104938	242.895	ug/l	98
16) Acetone	4.17	43	117480	293.451	ug/l	99
17) Carbon Disulfide	4.40	76	377198	53.485	ug/l	100
18) Methyl Acetate	4.72	43	52733	49.519	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	232904	50.013	ug/l	96
20) Methylene Chloride	4.96	84	137448	54.078	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	136575	53.014	ug/l	98
22) Diisopropyl ether	6.37	45	321325	54.015	ug/l	96
23) Vinyl Acetate	6.31	43	879090	269.593	ug/l	95
24) 1,1-Dichloroethane	6.26	63	209478	52.147	ug/l	99
25) 2-Butanone	7.22	43	140786	254.377	ug/l	97
26) 2,2-Dichloropropane	7.21	77	189303	49.651	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	152376	52.859	ug/l	96
28) Bromochloromethane	7.55	49	81056	51.686	ug/l	99
29) Tetrahydrofuran	7.57	42	78923	244.339	ug/l	96
30) Chloroform	7.71	83	230705	50.189	ug/l	99
31) Cyclohexane	7.99	56	195574	49.973	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	225030	52.591	ug/l	97
36) 1,1-Dichloropropene	8.11	75	185161	50.423	ug/l	98
37) Ethyl Acetate	7.29	43	59185	52.363	ug/l #	93
38) Carbon Tetrachloride	8.10	117	209483	52.285	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	241055	53.476	ug/l	92
40) Benzene	8.35	78	520231	51.952	ug/l	97
41) Methacrylonitrile	7.56	41	80714	123.742	ug/l #	27
42) 1,2-Dichloroethane	8.43	62	131565	49.739	ug/l	97
43) Isopropyl Acetate	8.46	43	113839	49.837	ug/l	99
44) Trichloroethene	9.11	130	157450	51.877	ug/l	95
45) 1,2-Dichloropropane	9.39	63	115974	49.974	ug/l	98
46) Dibromomethane	9.48	93	68367	48.915	ug/l	97
47) Bromodichloromethane	9.67	83	183024	51.907	ug/l	98
48) Methyl methacrylate	9.46	41	55992	53.006	ug/l	95
49) 1,4-Dioxane	9.46	88	16173	1010.893	ug/l #	90
51) 4-Methyl-2-Pentanone	10.24	43	306079	246.135	ug/l	100
52) Toluene	10.41	92	365073	52.022	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	173938	52.846	ug/l #	84
54) cis-1,3-Dichloropropene	10.10	75	200997	51.905	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	98313	49.613	ug/l	96
56) Ethyl methacrylate	10.67	69	109986	45.927	ug/l	98
57) 1,3-Dichloropropane	10.95	76	159503	48.670	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	223322	257.238	ug/l	100
59) 2-Hexanone	10.99	43	228511	234.979	ug/l	98
60) Dibromochloromethane	11.14	129	134987	50.188	ug/l	100
61) 1,2-Dibromoethane	11.25	107	97692	49.291	ug/l	99
64) Tetrachloroethene	10.88	164	144926	53.792	ug/l	94
65) Chlorobenzene	11.67	112	411180	53.064	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	152621	52.638	ug/l	98
67) Ethyl Benzene	11.75	91	746380	54.154	ug/l	100
68) m/p-Xylenes	11.86	106	597198	107.726	ug/l	99
69) o-Xylene	12.18	106	273237	54.006	ug/l	98
70) Styrene	12.20	104	479596	54.963	ug/l	98
71) Bromoform	12.37	173	78737	50.847	ug/l #	99
73) Isopropylbenzene	12.48	105	772438	54.331	ug/l	98
74) N-amyl acetate	12.30	43	125323	53.060	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	109578	48.898	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	141893	103.213	ug/l #	100
77) Bromobenzene	12.77	156	180568	52.603	ug/l	99
78) n-propylbenzene	12.83	91	914242	54.873	ug/l	99
79) 2-Chlorotoluene	12.91	91	482634	54.039	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	644765	54.187	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	35473	52.696	ug/l	98
82) 4-Chlorotoluene	13.01	91	514001	53.860	ug/l	99
83) tert-Butylbenzene	13.23	119	584835	54.723	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	648709	54.271	ug/l	99
85) sec-Butylbenzene	13.41	105	827988	56.416	ug/l	100
86) p-Isopropyltoluene	13.52	119	778392	56.447	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	369010	53.643	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	360217	53.120	ug/l	99
89) n-Butylbenzene	13.85	91	715708	56.271	ug/l	98
90) Hexachloroethane	14.12	117	138721	53.731	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	310798	52.498	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16221	49.563	ug/l	94

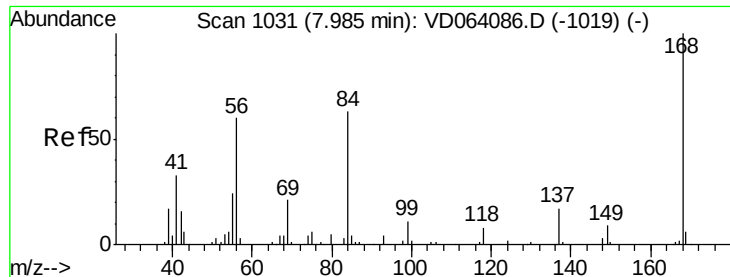
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	231954	54.507	ug/l	99
94) Hexachlorobutadiene	15.27	225	138110	55.530	ug/l	99
95) Naphthalene	15.41	128	380714	54.856	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	198492	53.850	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

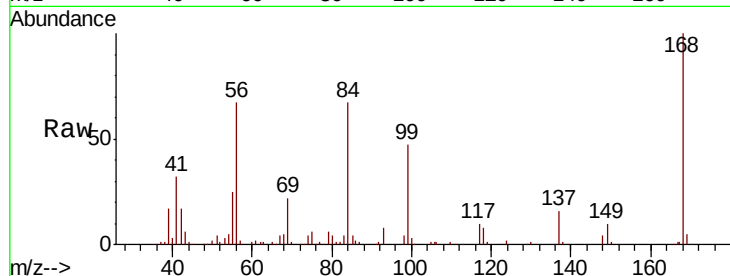
ClientSampleId :

Tot Ion:168 Resp: 264561

Ion Ratio Lower Upper

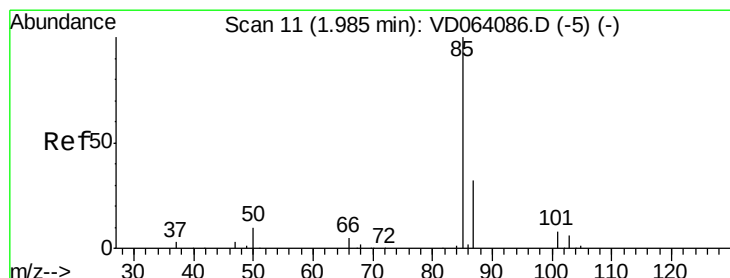
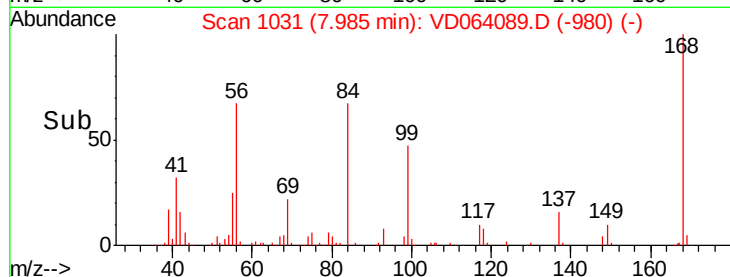
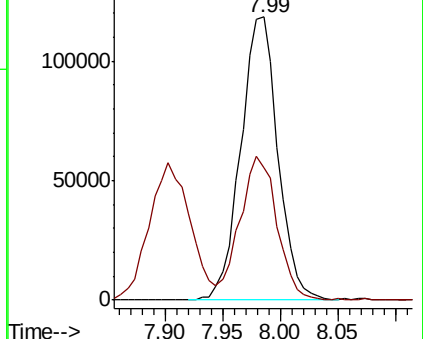
168 100

99 46.5 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 55.453 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD064089.D

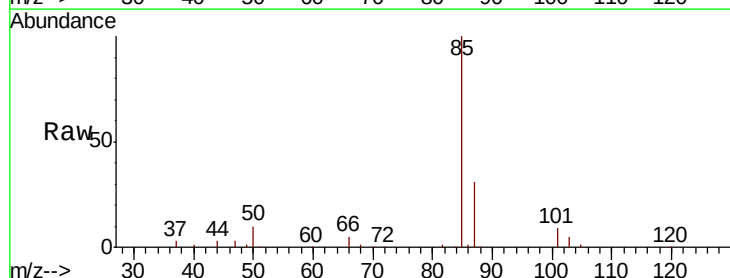
Acq: 29 Oct 2019 15:09

Tgt Ion: 85 Resp: 149805

Ion Ratio Lower Upper

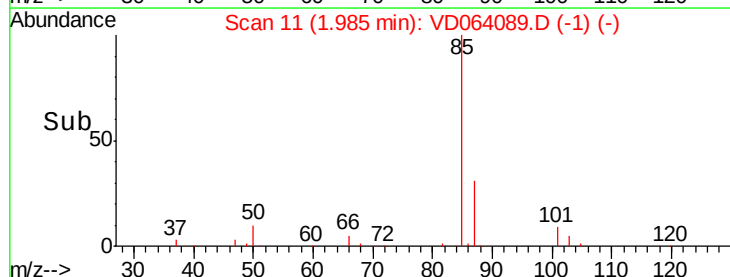
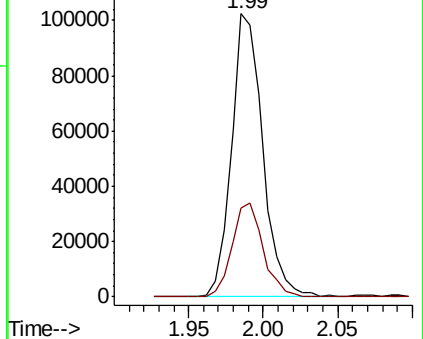
85 100

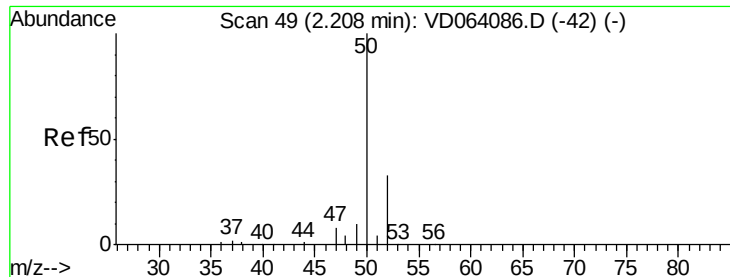
87 31.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.864 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

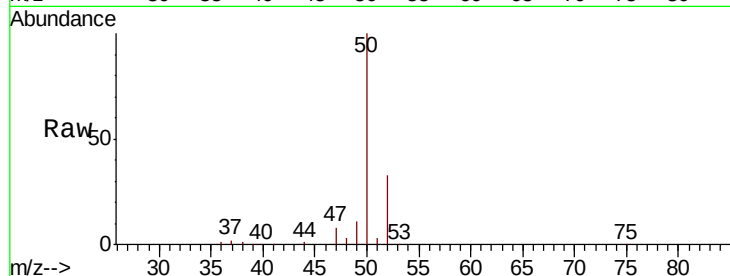
ClientSampleId :

Tot Ion: 50 Resp: 215738

Ion Ratio Lower Upper

50 100

52 33.1 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

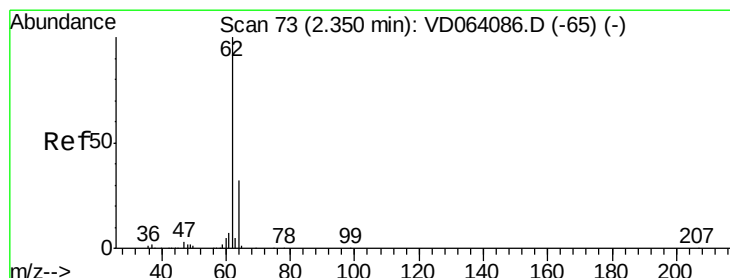
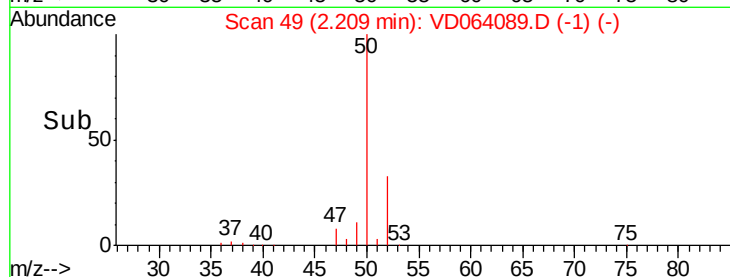
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 49.016 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064089.D

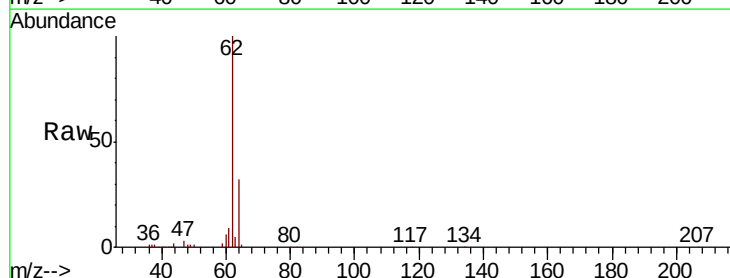
Acq: 29 Oct 2019 15:09

Tgt Ion: 62 Resp: 239583

Ion Ratio Lower Upper

62 100

64 32.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

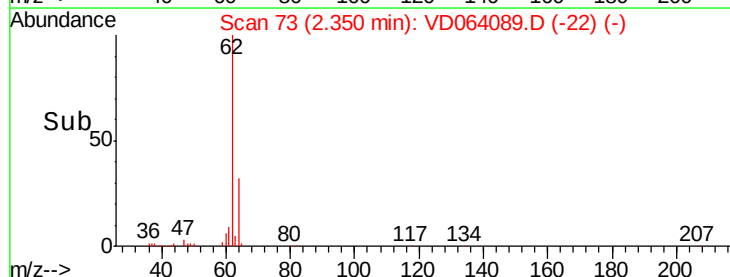
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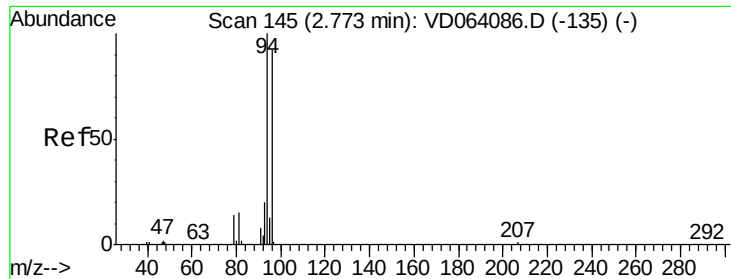
100000

50000

0

Time-->





#5

Bromomethane

Concen: 48.562 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

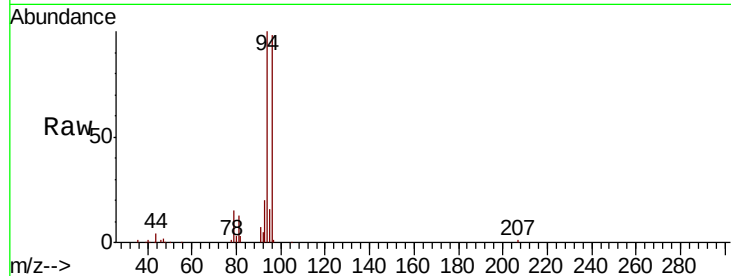
ClientSampleId :

Tot Ion: 94 Resp: 154691

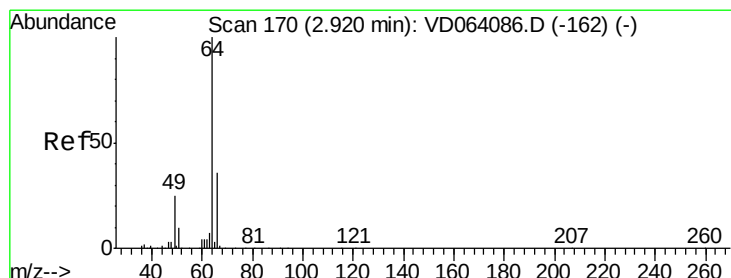
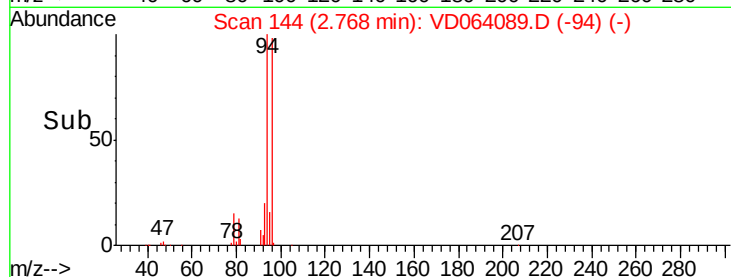
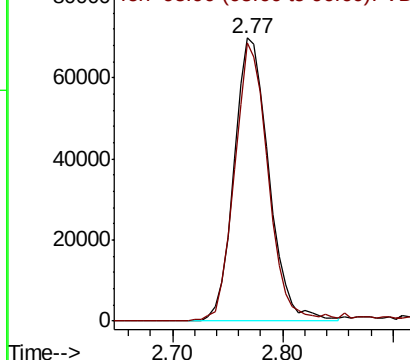
Ion Ratio Lower Upper

94 100

96 98.3 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.623 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064089.D

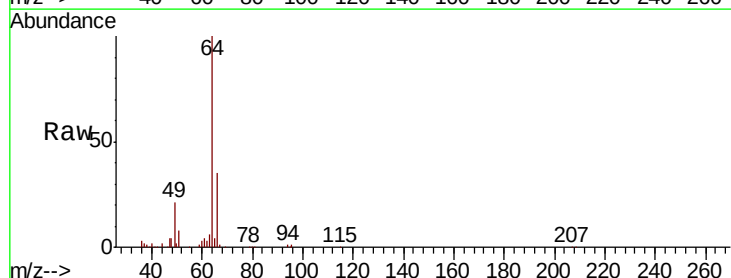
Acq: 29 Oct 2019 15:09

Tgt Ion: 64 Resp: 144580

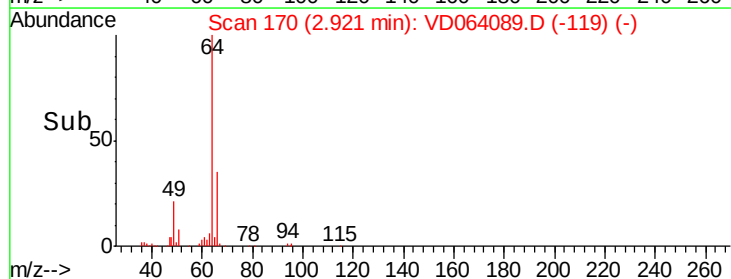
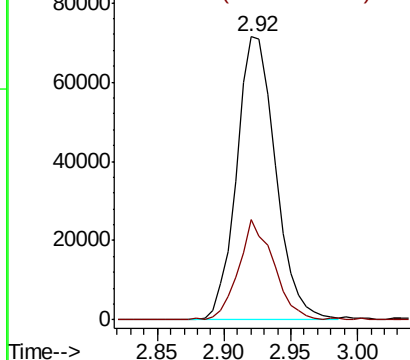
Ion Ratio Lower Upper

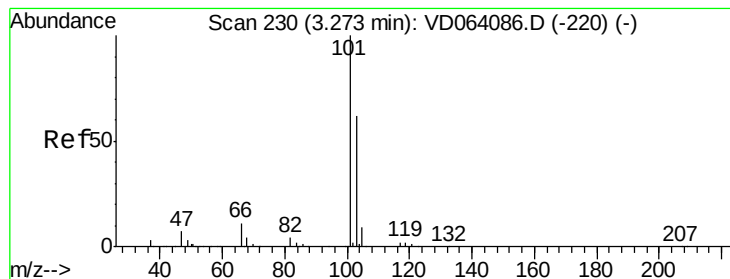
64 100

66 35.3 28.7 43.1



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



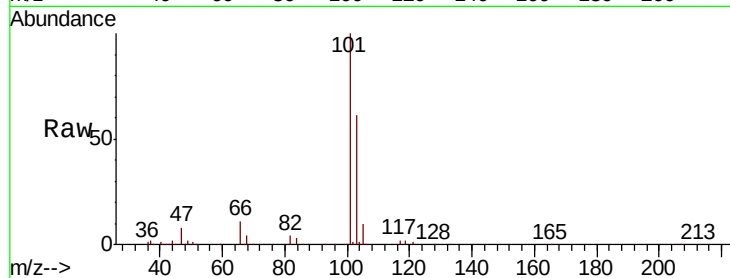


#7

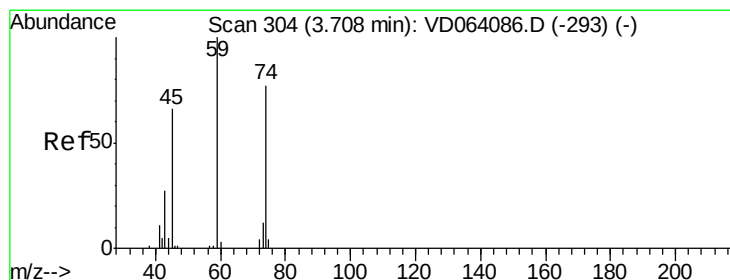
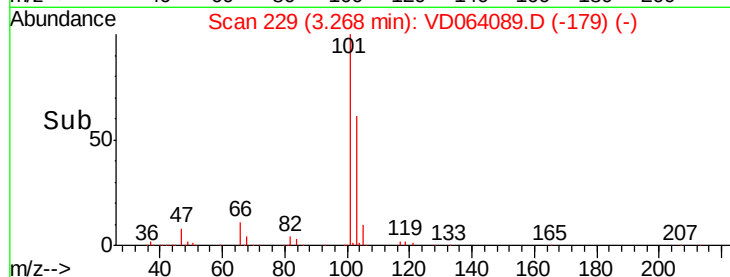
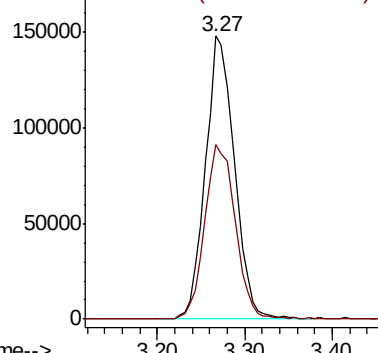
Trichlorofluoromethane
Concen: 49.244 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 331351
Ion Ratio Lower Upper
101 100
103 61.5 49.6 74.4



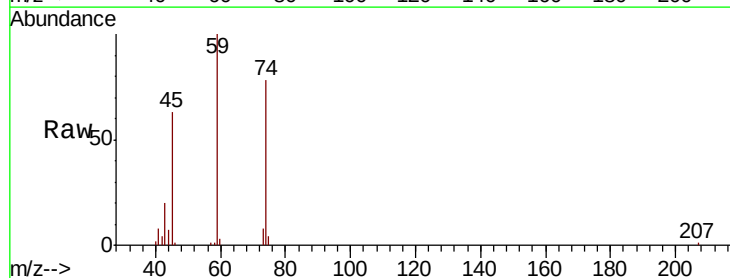
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



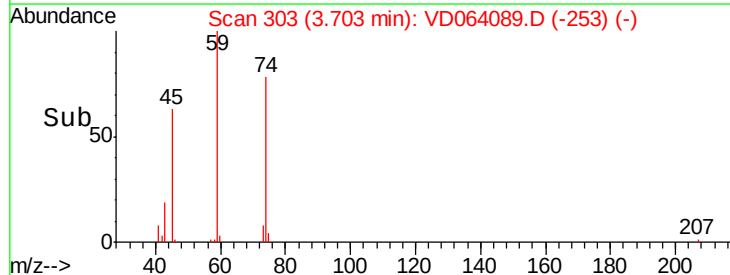
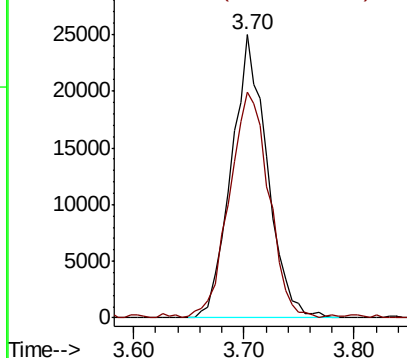
#8

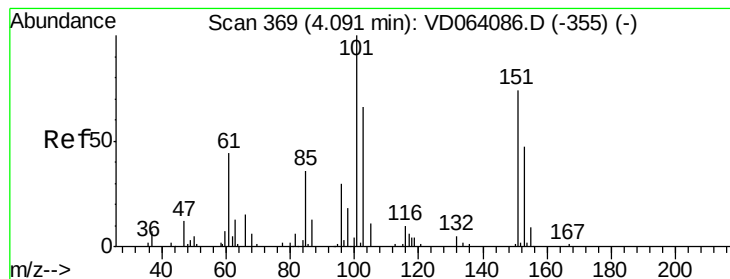
Diethyl Ether
Concen: 48.273 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion: 74 Resp: 56460
Ion Ratio Lower Upper
74 100
45 88.4 44.1 132.3



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.887 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

ClientSampleId :

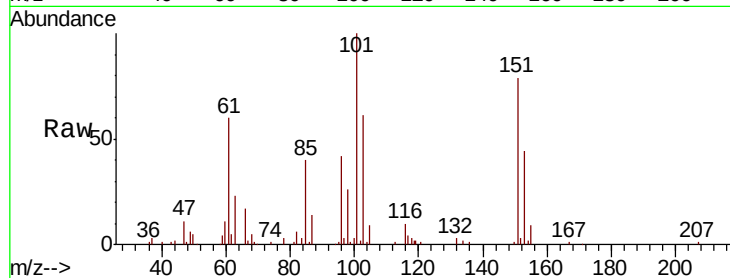
Tot Ion:101 Resp: 128243

Ion Ratio Lower Upper

101 100

85 44.5 35.3 52.9

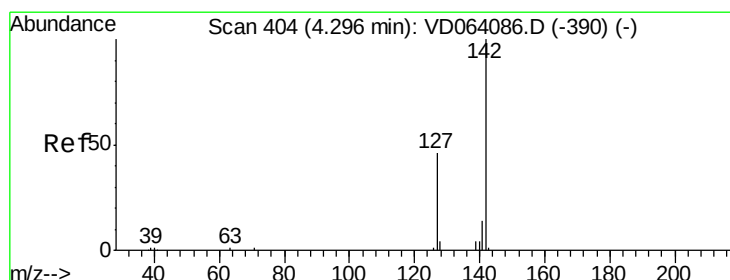
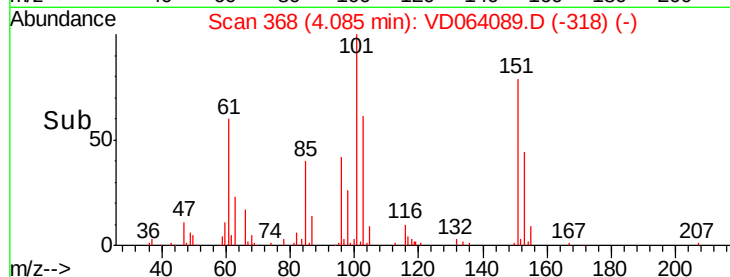
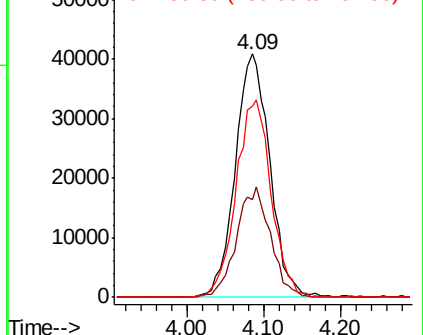
151 82.6 67.0 100.6



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: 54.941 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

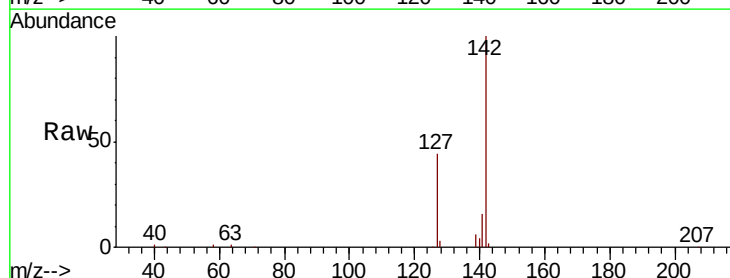
Tgt Ion:142 Resp: 165057

Ion Ratio Lower Upper

142 100

127 41.7 35.1 52.7

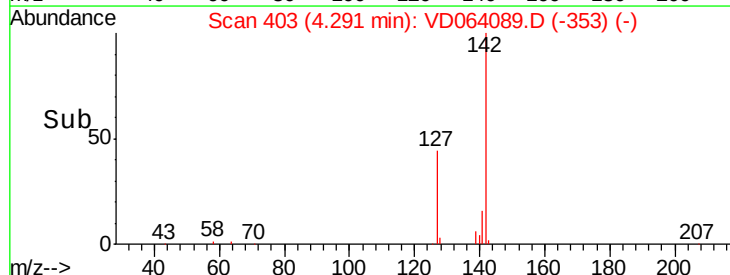
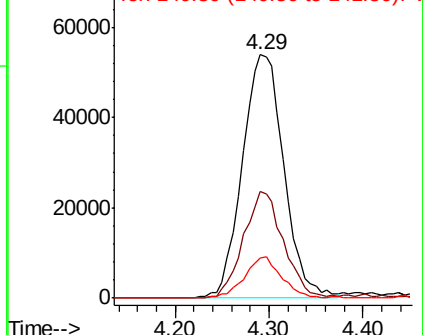
141 15.1 11.6 17.4

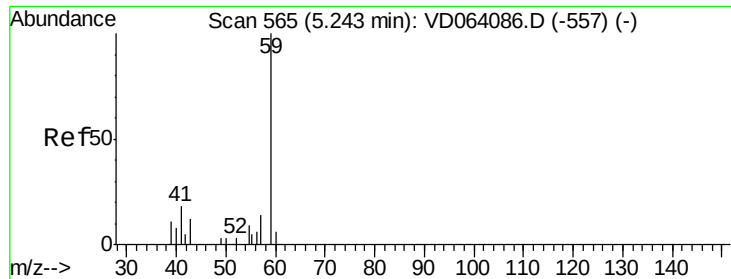


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

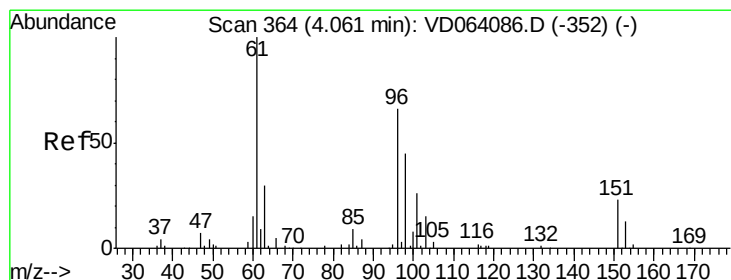
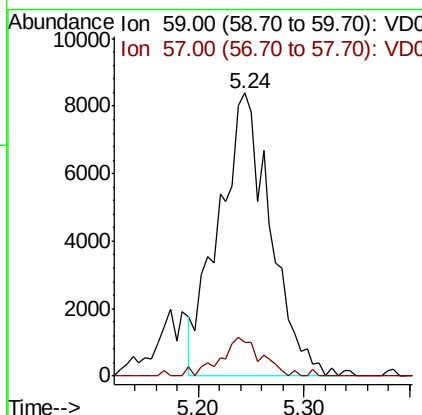
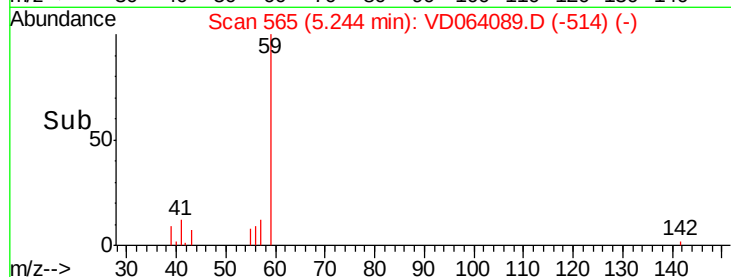
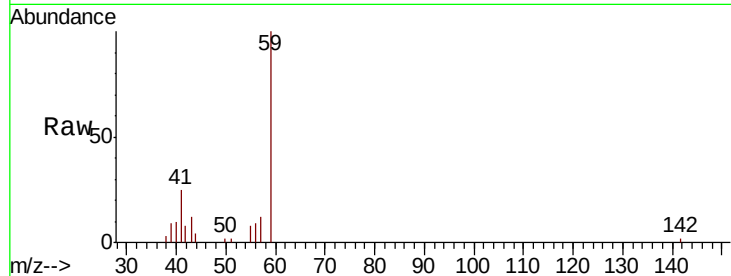




#11
Tert butyl alcohol
Concen: 233.675 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

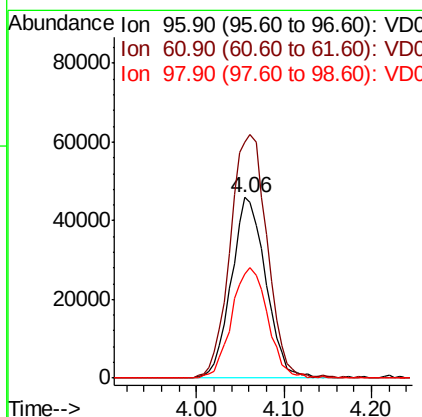
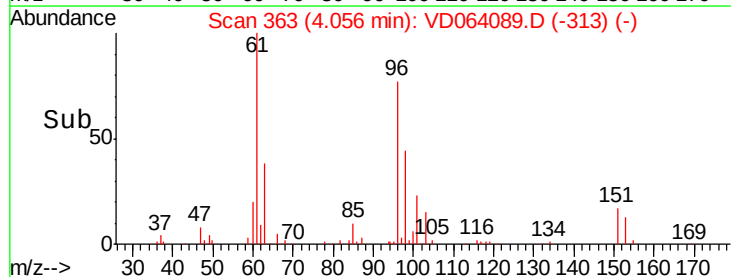
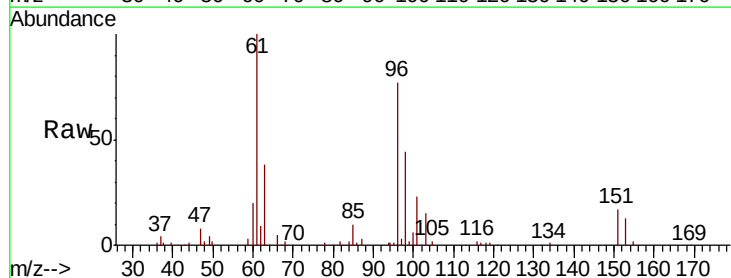
Instrument :
MSVOA_D
ClientSampleId :

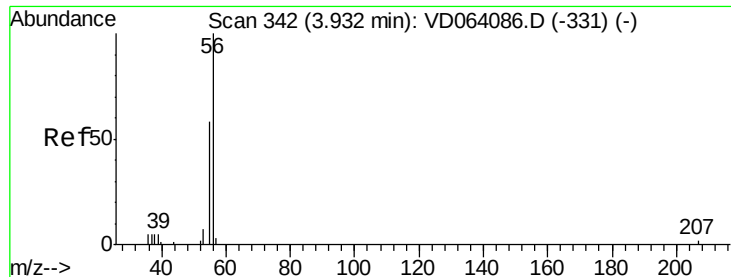
Tot Ion: 59 Resp: 28241
Ion Ratio Lower Upper
59 100
57 10.8 8.7 13.1



#12
1,1-Dichloroethene
Concen: 53.494 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion: 96 Resp: 122765
Ion Ratio Lower Upper
96 100
61 130.7 121.8 182.6
98 57.3 55.4 83.0





#13

Acrolein

Concen: 250.247 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

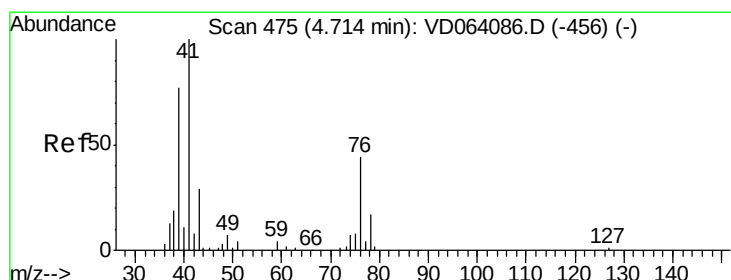
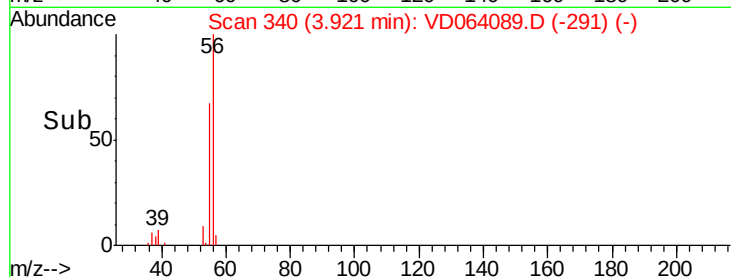
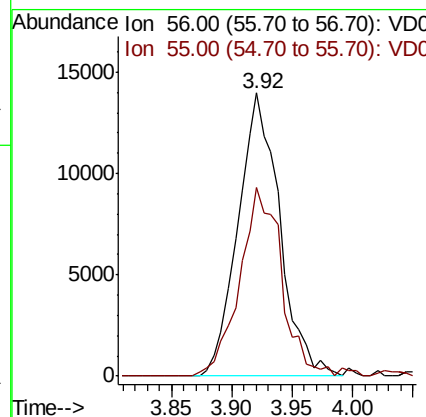
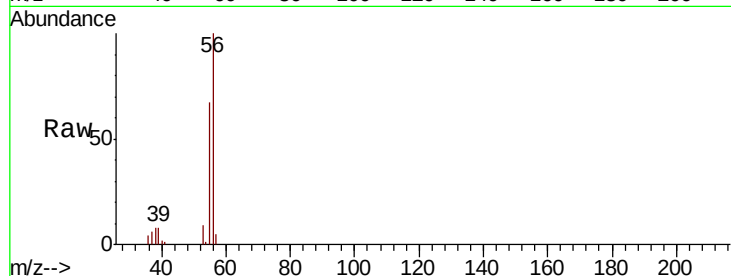
ClientSampleId :

Tot Ion: 56 Resp: 33573

Ion Ratio Lower Upper

56 100

55 66.7 53.8 80.6



#14

Allyl chloride

Concen: 53.867 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

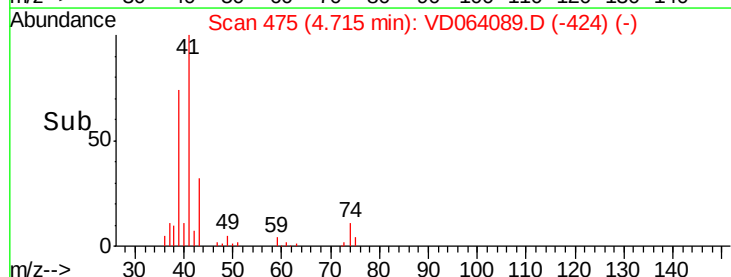
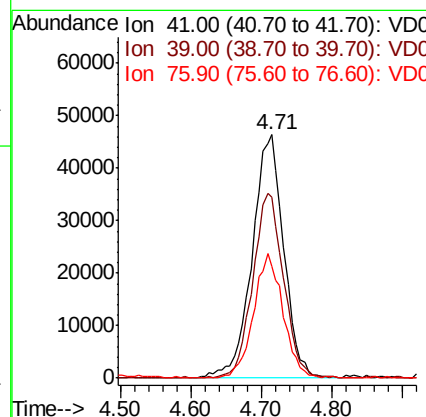
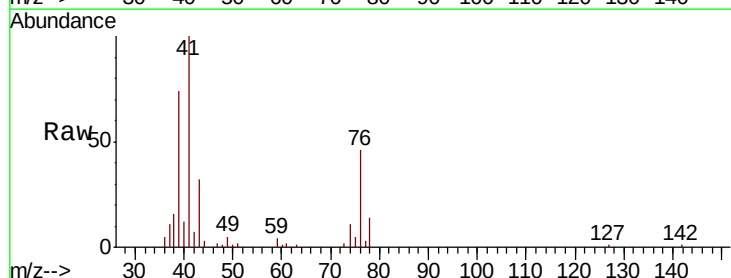
Tgt Ion: 41 Resp: 144692

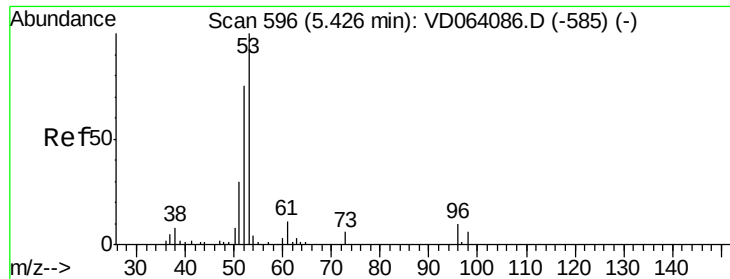
Ion Ratio Lower Upper

41 100

39 73.9 61.5 92.3

76 47.7 36.2 54.4





#15

Acrylonitrile

Concen: 242.895 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

ClientSampleId :

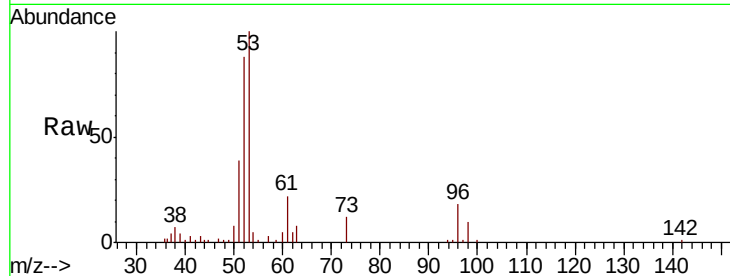
Tot Ion: 53 Resp: 104938

Ion Ratio Lower Upper

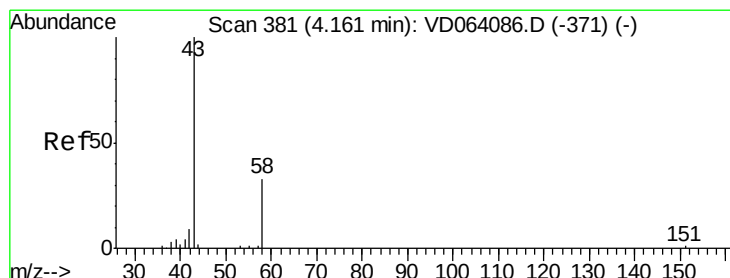
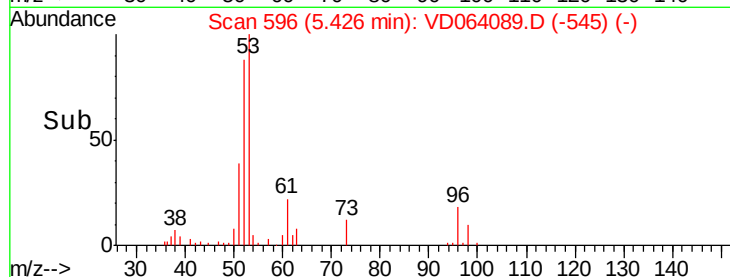
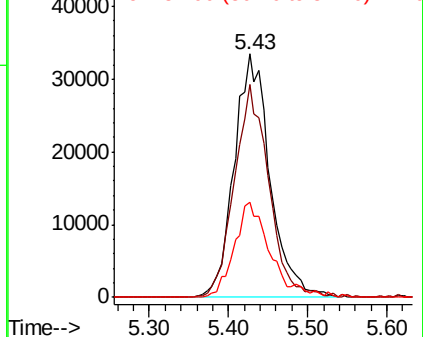
53 100

52 84.0 66.2 99.4

51 38.9 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 293.451 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD064089.D

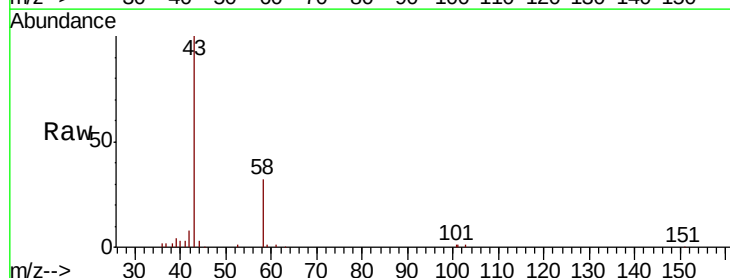
Acq: 29 Oct 2019 15:09

Tgt Ion: 43 Resp: 117480

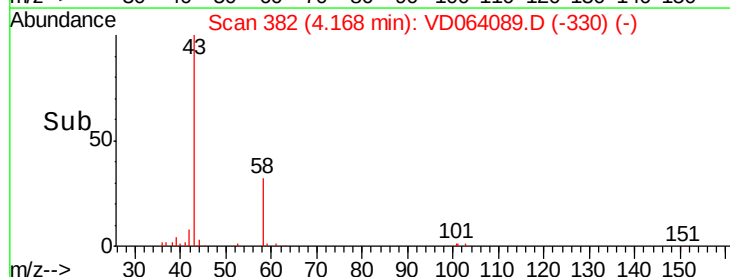
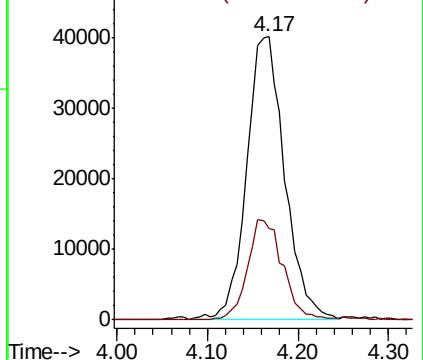
Ion Ratio Lower Upper

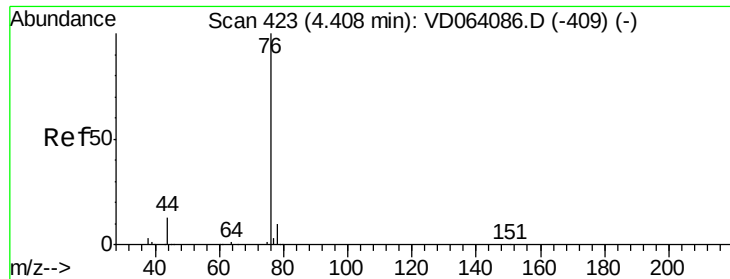
43 100

58 32.1 26.3 39.5



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

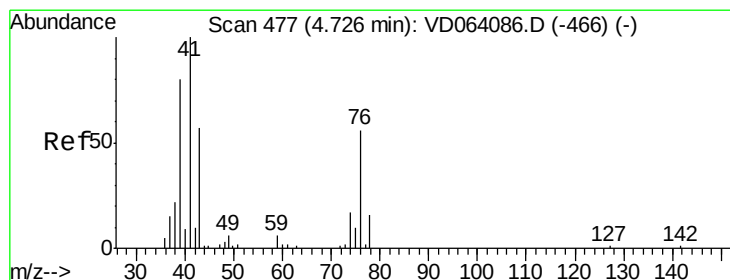
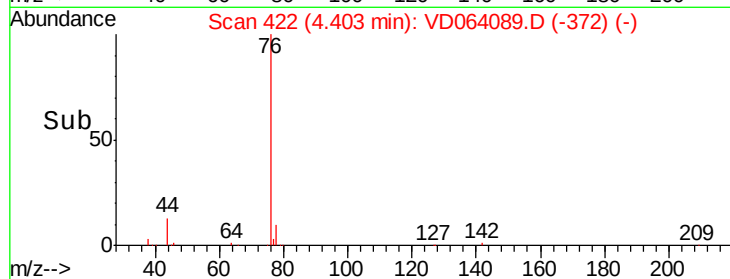
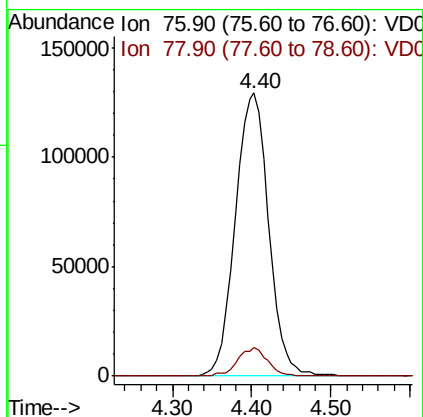
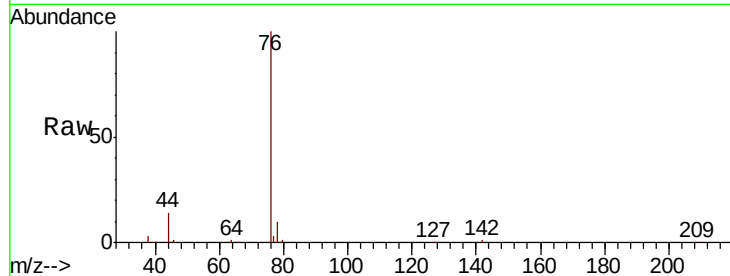




#17
Carbon Disulfide
Concen: 53.485 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

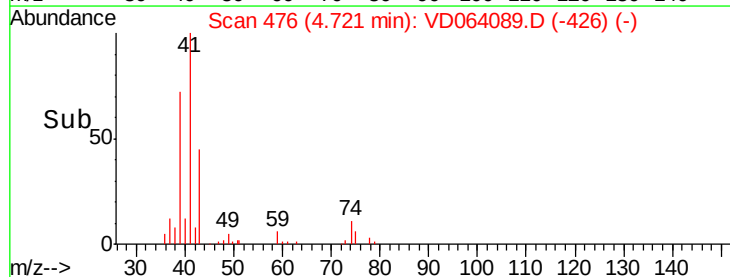
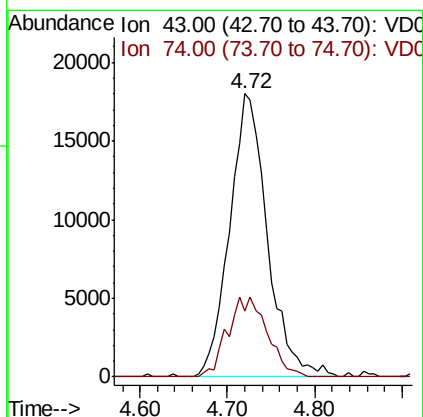
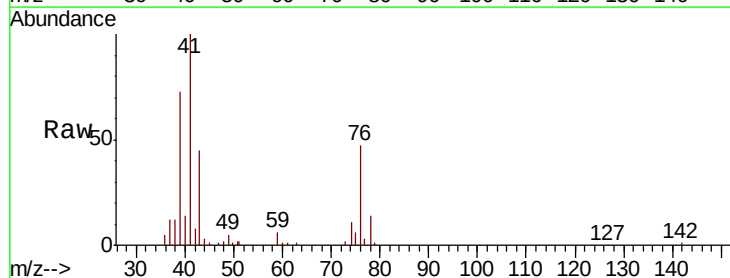
Instrument :
MSVOA_D
ClientSampleId :

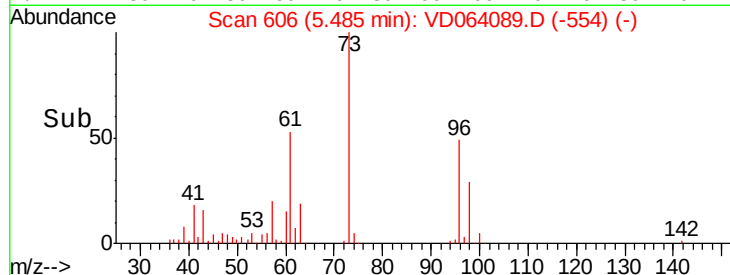
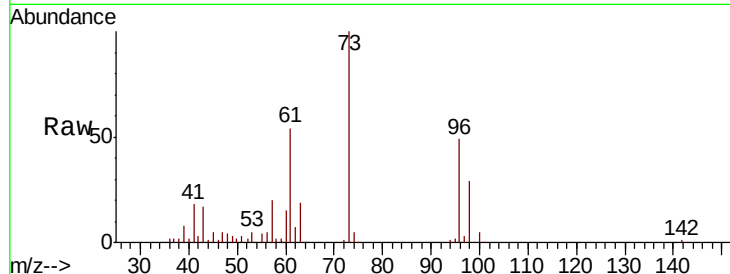
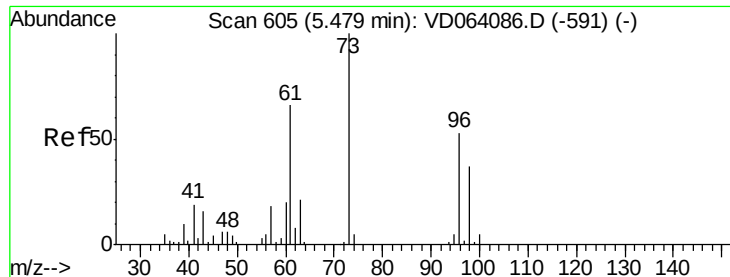
Tot Ion: 76 Resp: 377198
Ion Ratio Lower Upper
76 100
78 10.2 8.1 12.1



#18
Methyl Acetate
Concen: 49.519 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion: 43 Resp: 52733
Ion Ratio Lower Upper
43 100
74 29.7 22.2 33.4

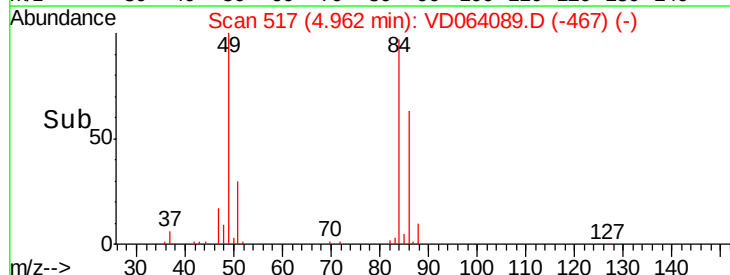
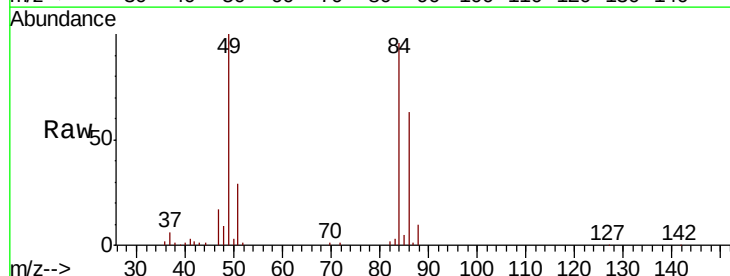
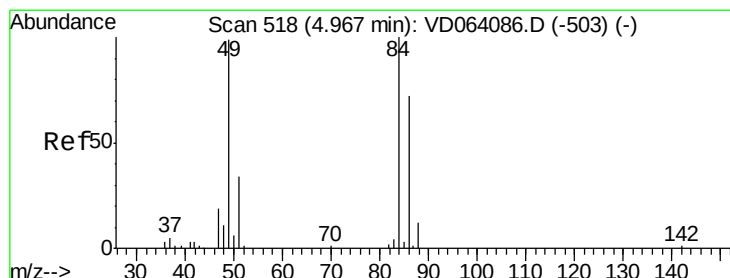
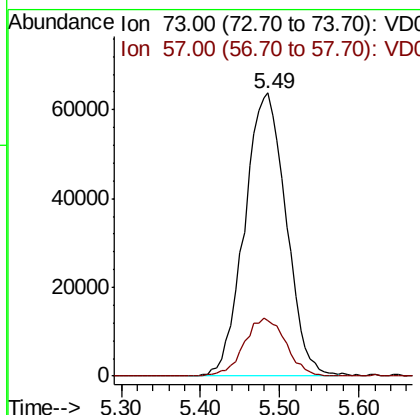




#19
Methyl tert-butyl Ether
Concen: 50.013 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

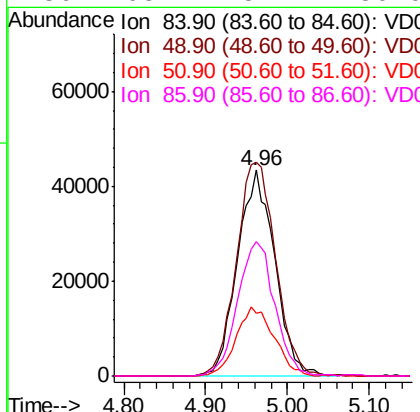
Instrument :
MSVOA_D
ClientSampleId :

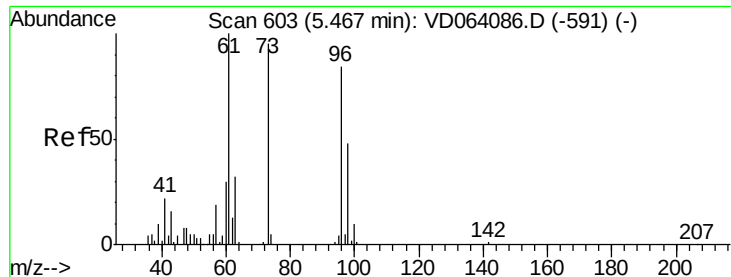
Tot Ion: 73 Resp: 232904
Ion Ratio Lower Upper
73 100
57 19.6 14.3 21.5



#20
Methylene Chloride
Concen: 54.078 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion: 84 Resp: 137448
Ion Ratio Lower Upper
84 100
49 103.7 79.4 119.0
51 30.5 27.4 41.2
86 65.1 57.4 86.0





#21

trans-1,2-Dichloroethene

Concen: 53.014 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

ClientSampleId :

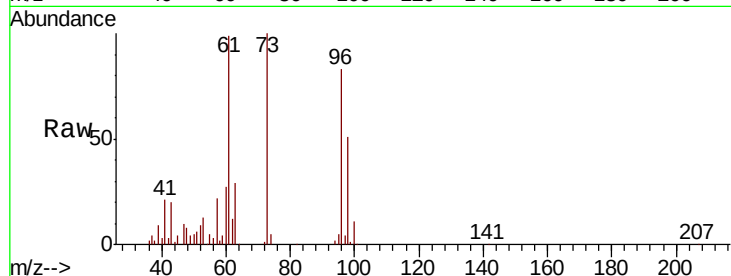
Tot Ion: 96 Resp: 136575

Ion Ratio Lower Upper

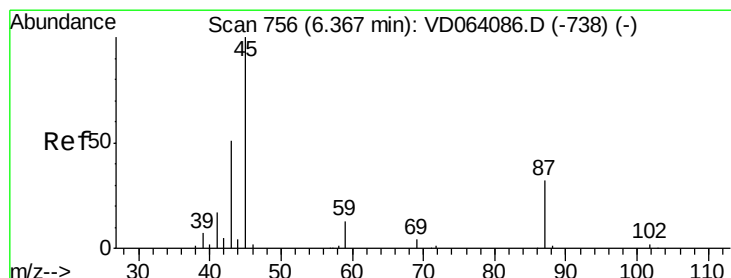
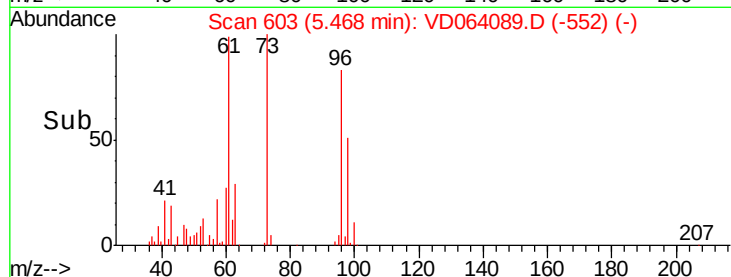
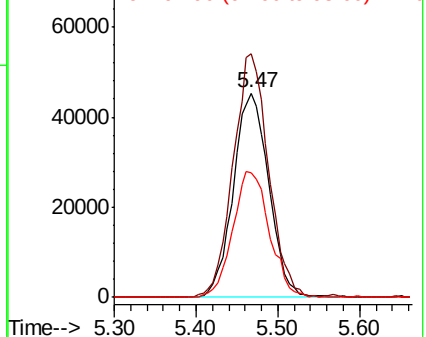
96 100

61 119.3 95.0 142.6

98 61.2 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: 54.015 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Tgt Ion: 45 Resp: 321325

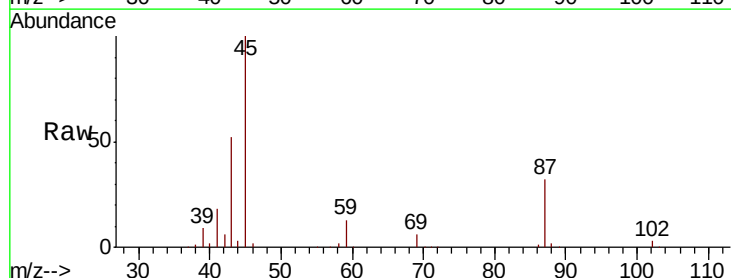
Ion Ratio Lower Upper

45 100

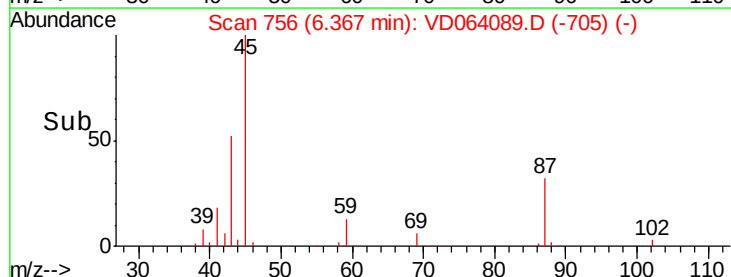
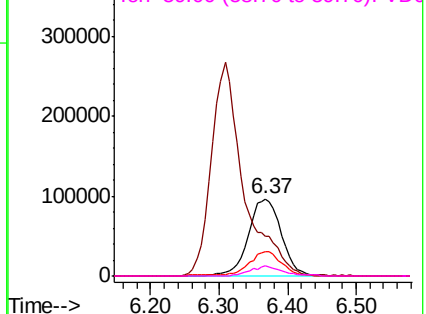
43 51.2 44.3 66.5

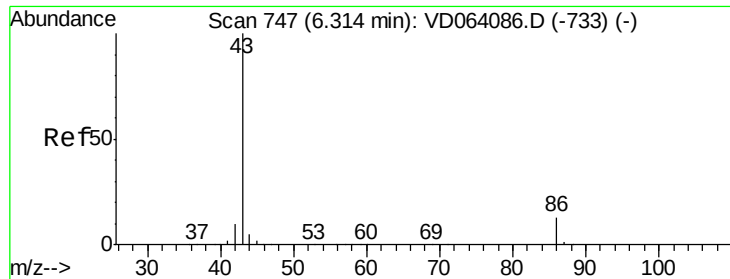
87 31.8 26.6 39.8

59 12.7 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: 269.593 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

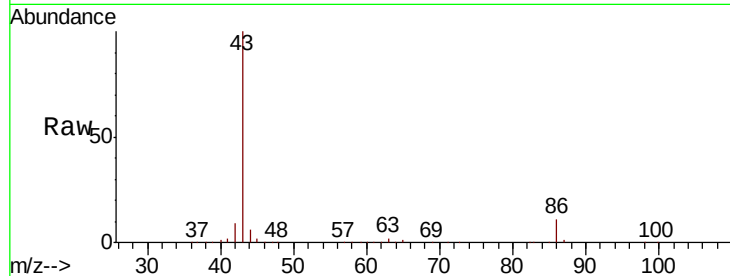
ClientSampleId :

Tot Ion: 43 Resp: 879090

Ion Ratio Lower Upper

43 100

86 11.5 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

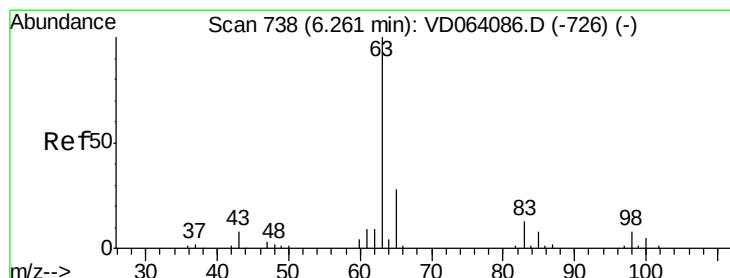
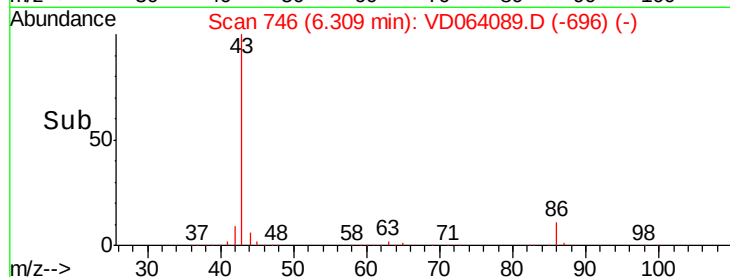
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.147 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

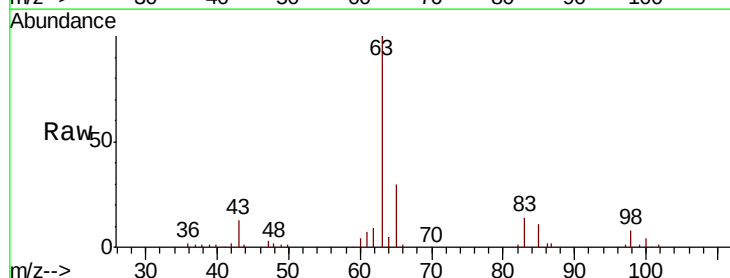
Tgt Ion: 63 Resp: 209478

Ion Ratio Lower Upper

63 100

98 8.1 4.0 11.9

100 4.2 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

6.26

80000

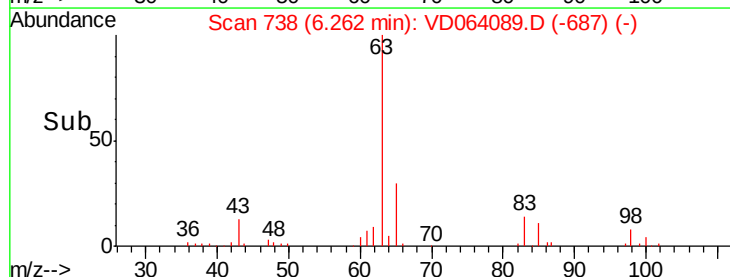
60000

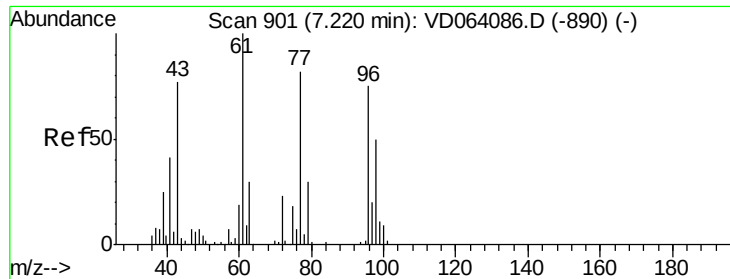
40000

20000

0

Time-->





#25

2-Butanone

Concen: 254.377 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

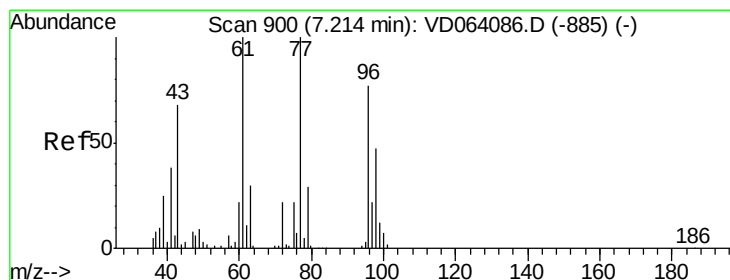
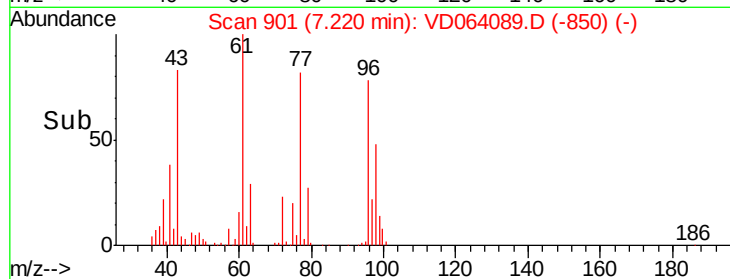
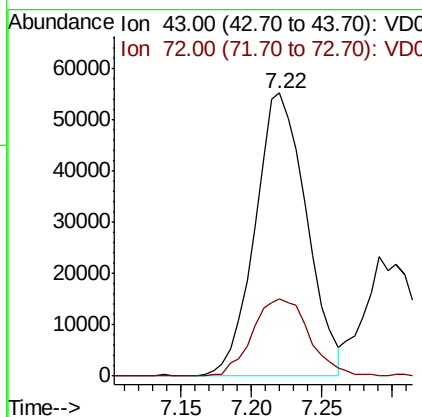
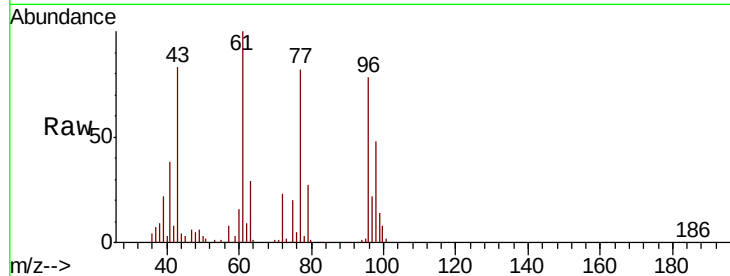
ClientSampled :

Tot Ion: 43 Resp: 140786

Ion Ratio Lower Upper

43 100

72 27.5 23.4 35.0



#26

2,2-Dichloropropane

Concen: 49.651 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064089.D

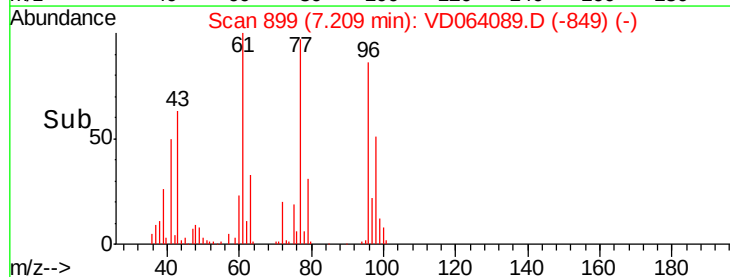
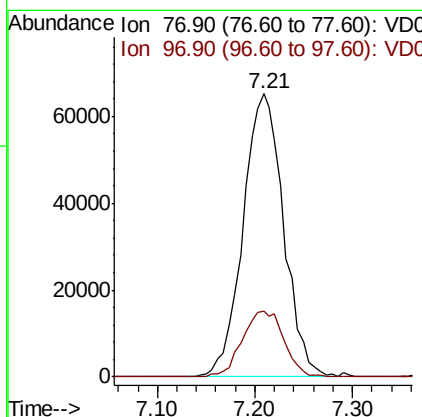
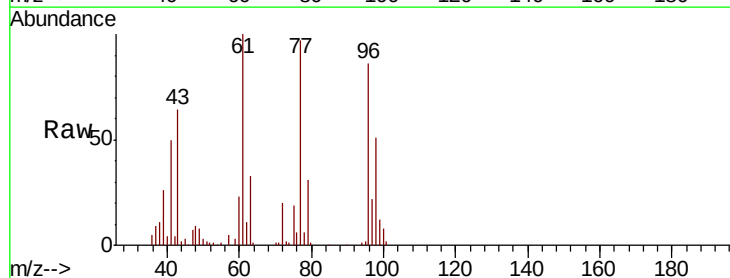
Acq: 29 Oct 2019 15:09

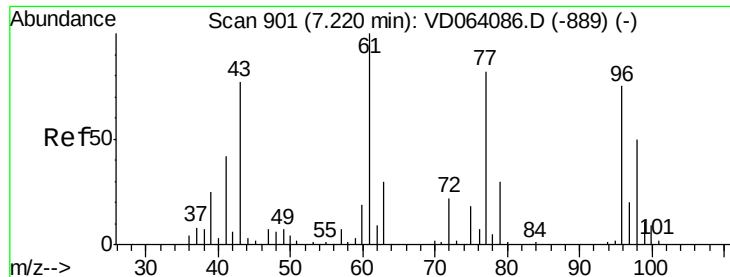
Tgt Ion: 77 Resp: 189303

Ion Ratio Lower Upper

77 100

97 23.8 11.2 33.5



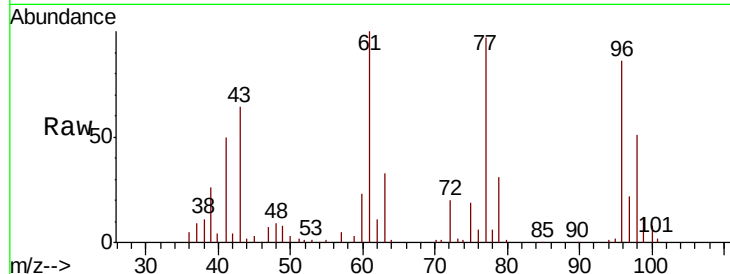


#27

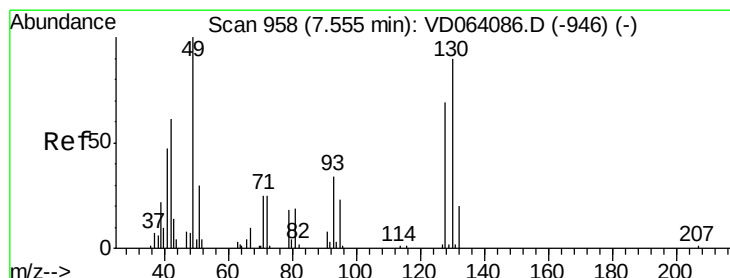
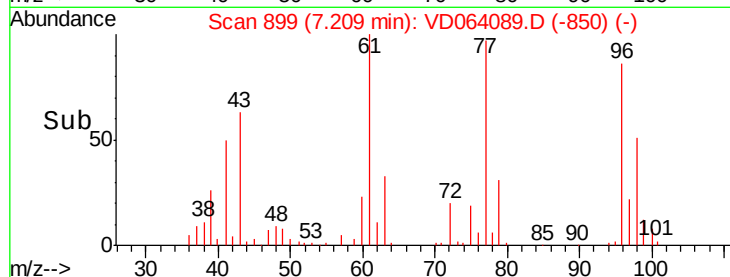
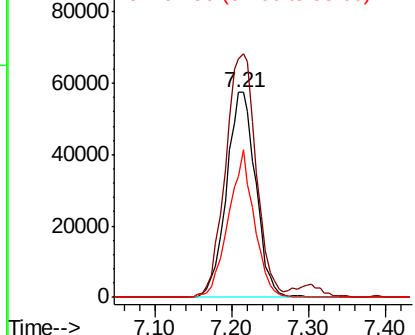
cis-1,2-Dichloroethene
Concen: 52.859 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 152376
Ion Ratio Lower Upper
96 100
61 124.3 0.0 258.0
98 63.3 0.0 130.8



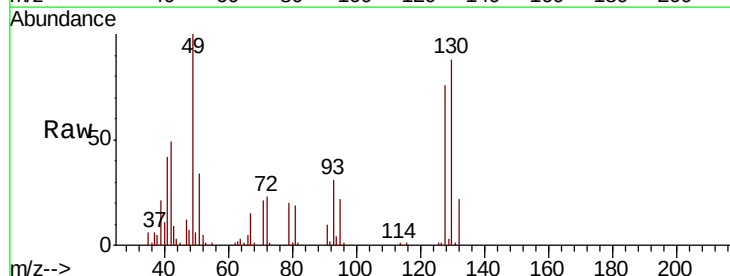
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



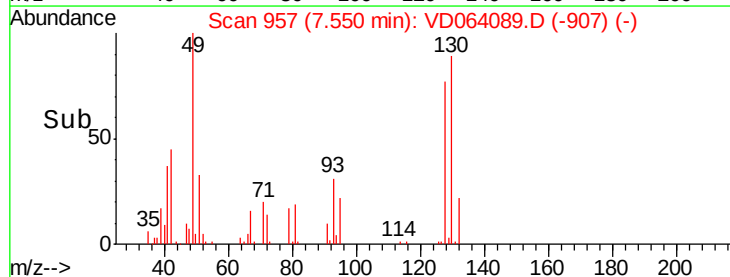
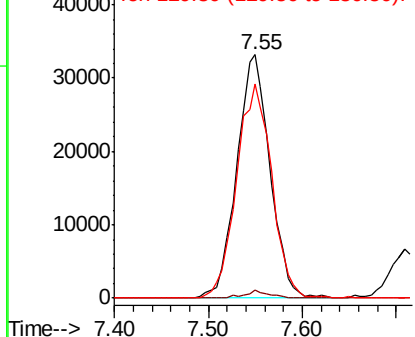
#28

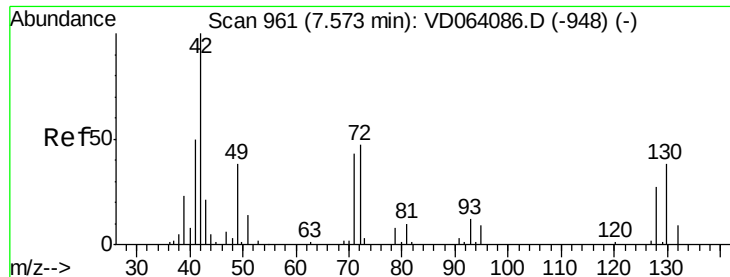
Bromochloromethane
Concen: 51.686 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion: 49 Resp: 81056
Ion Ratio Lower Upper
49 100
129 2.3 0.0 5.4
130 93.2 75.3 112.9



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

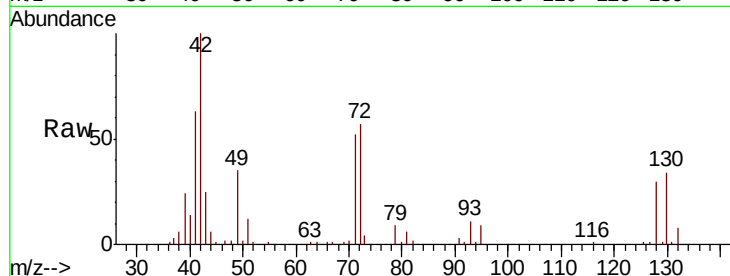




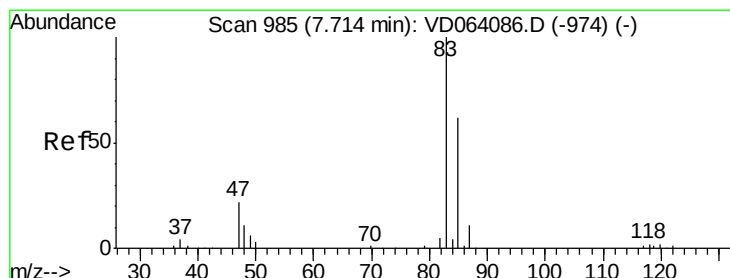
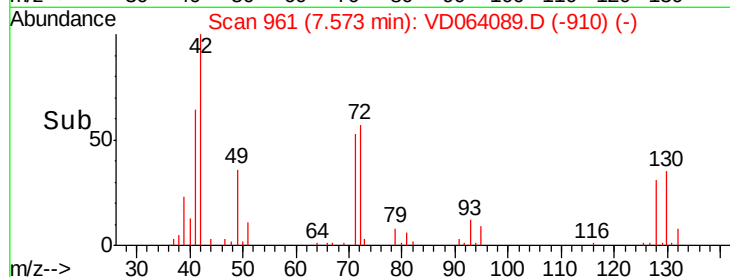
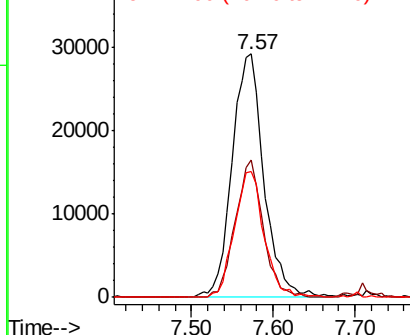
#29
Tetrahydrofuran
Concen: 244.339 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 78923
Ion Ratio Lower Upper
42 100
72 49.5 38.9 58.3
71 48.3 35.4 53.2

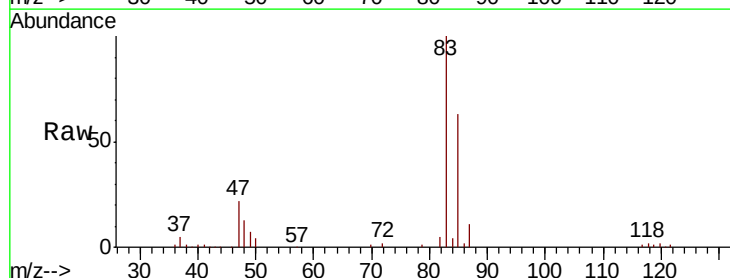


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

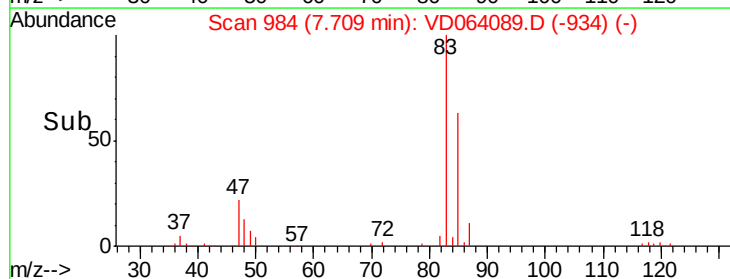
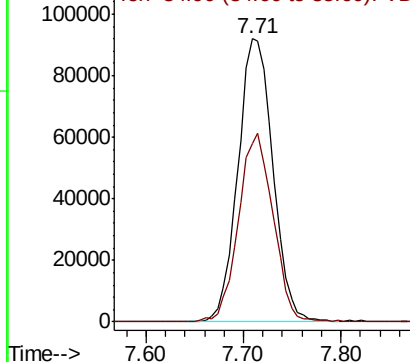


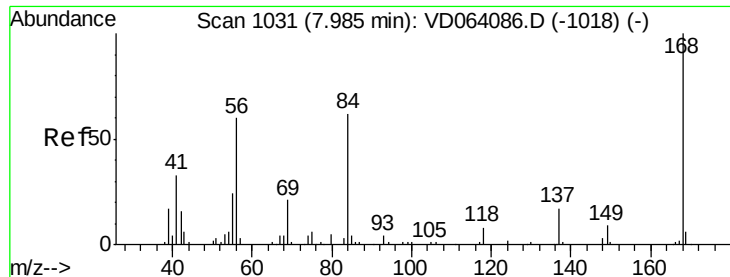
#30
Chloroform
Concen: 50.189 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion: 83 Resp: 230705
Ion Ratio Lower Upper
83 100
85 63.2 49.8 74.6



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

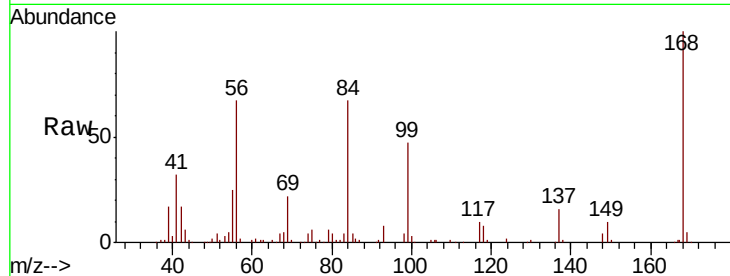




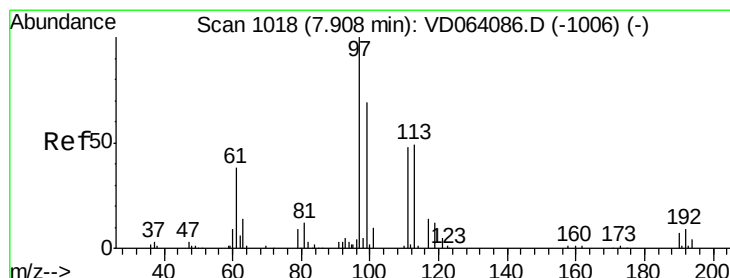
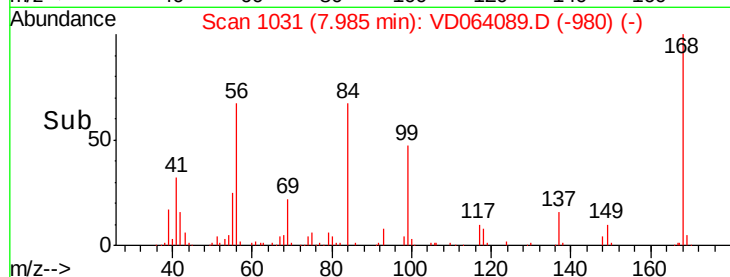
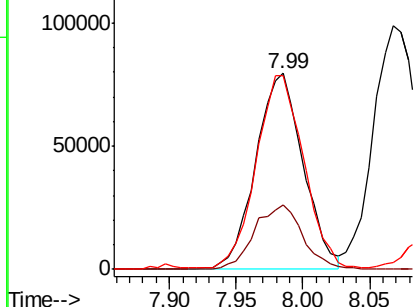
#31
Cyclohexane
Concen: 49.973 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 195574
Ion Ratio Lower Upper
56 100
69 33.1 27.7 41.5
84 98.2 83.1 124.7

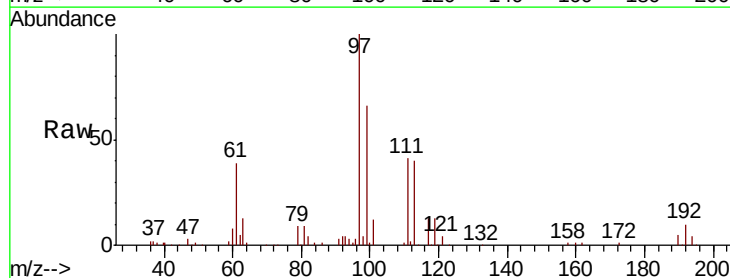


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

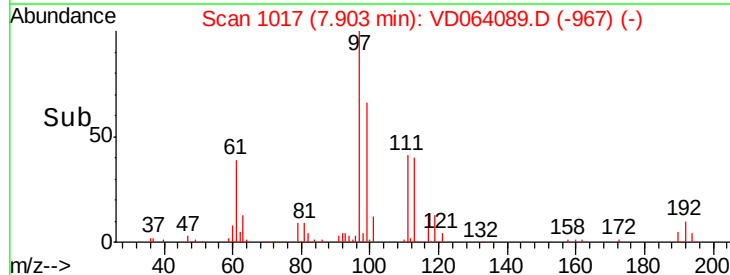
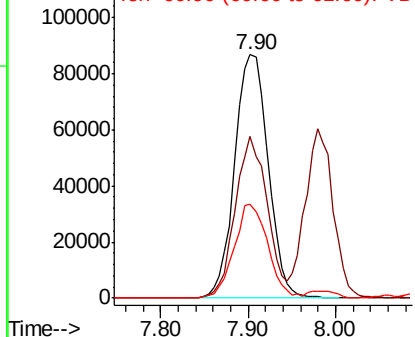


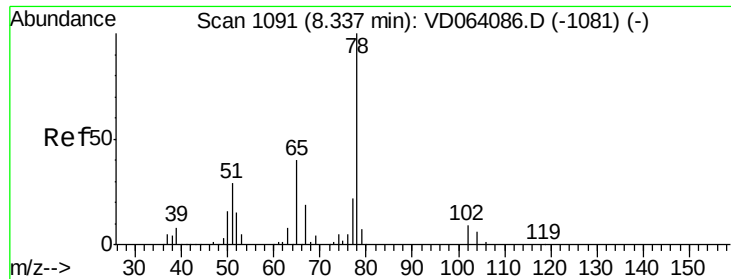
#32
1,1,1-Trichloroethane
Concen: 52.591 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion: 97 Resp: 225030
Ion Ratio Lower Upper
97 100
99 63.6 53.7 80.5
61 38.8 31.8 47.6



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

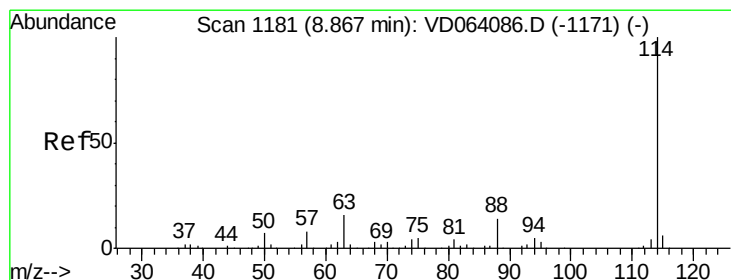
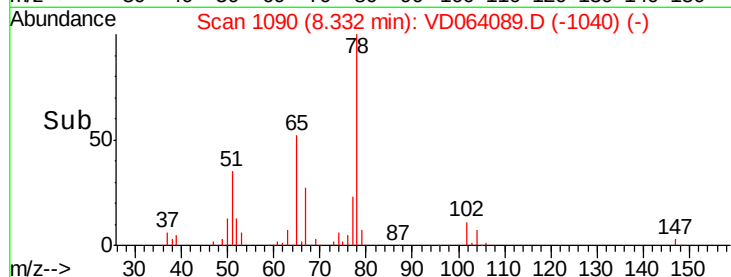
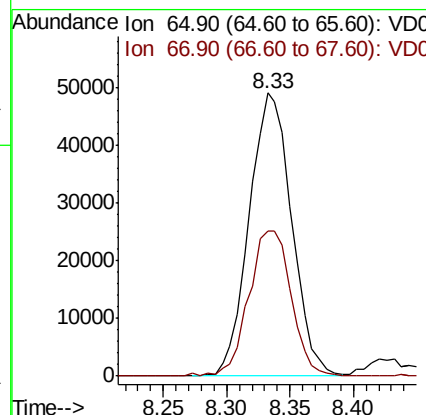
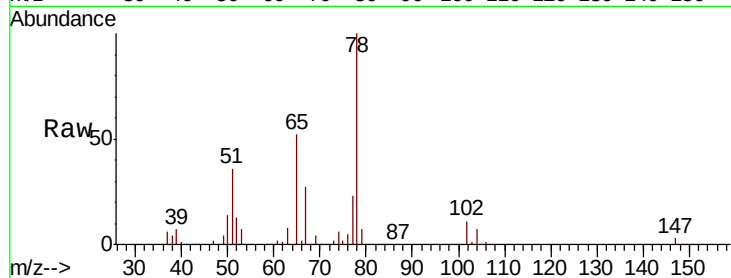




#33
 1,2-Dichloroethane-d4
 Concen: 54.239 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

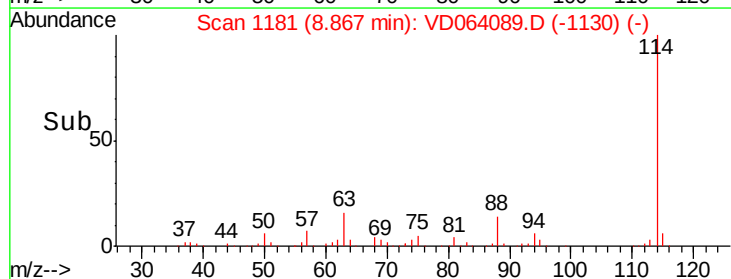
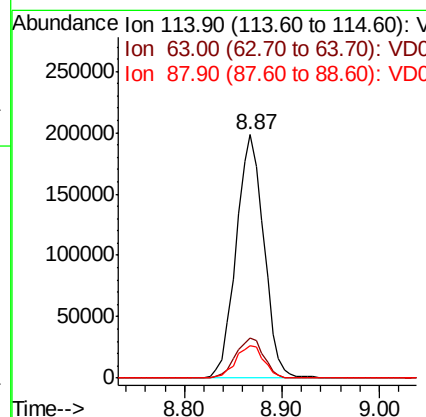
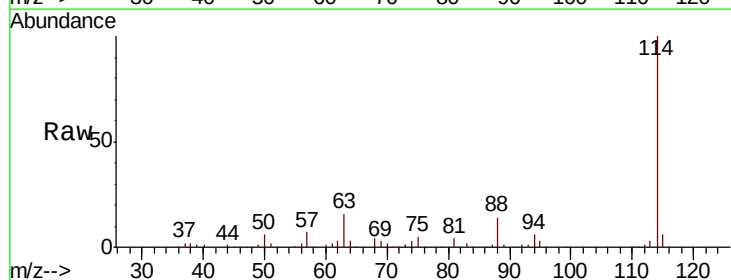
Instrument :
 MSVOA_D
 ClientSampled :

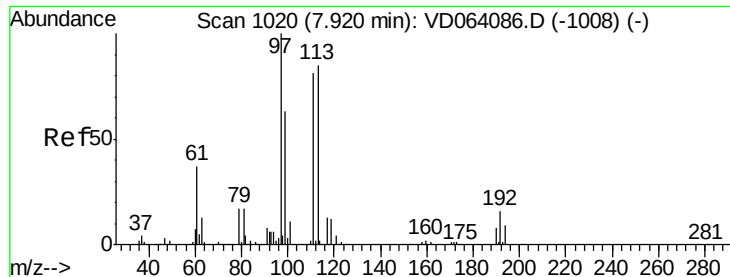
Tot Ion: 65 Resp: 114123
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

Tgt Ion: 114 Resp: 391890
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 32.8
 88 13.5 0.0 27.6

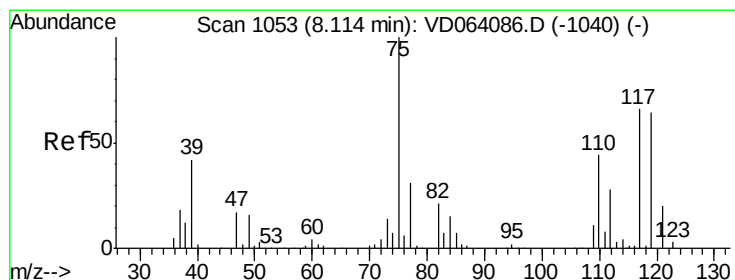
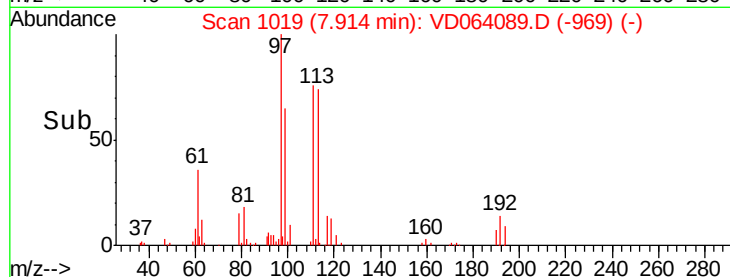
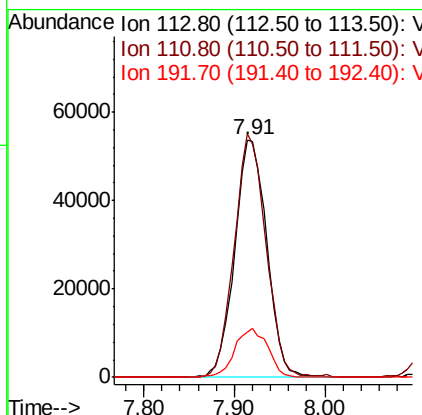
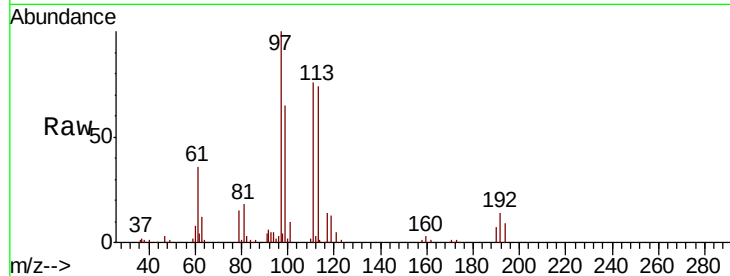




#35
 Dibromofluoromethane
 Concen: 54.948 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

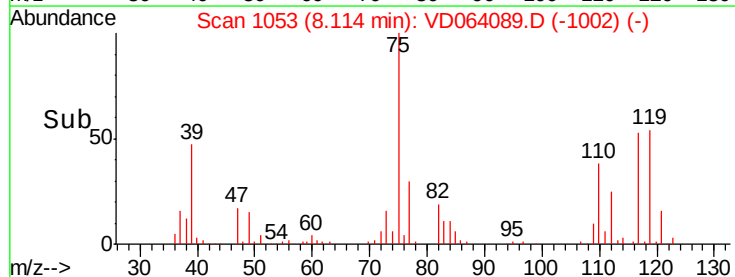
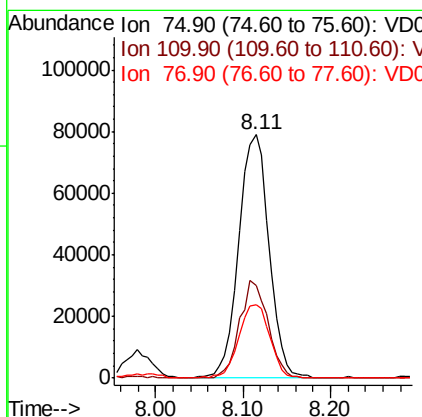
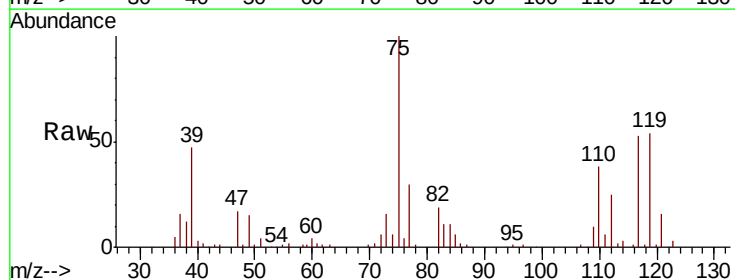
Instrument :
 MSVOA_D
 ClientSampleId :

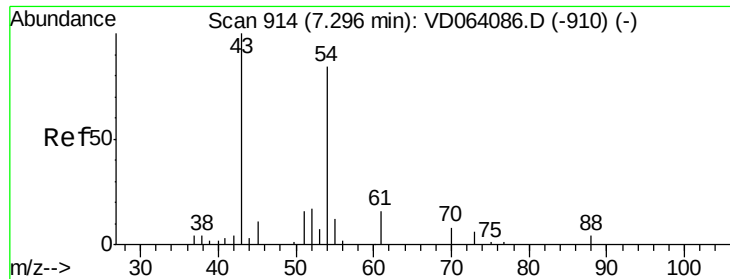
Tot Ion:113 Resp: 132481
 Ion Ratio Lower Upper
 113 100
 111 101.0 79.3 118.9
 192 21.1 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 50.423 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

Tgt Ion: 75 Resp: 185161
 Ion Ratio Lower Upper
 75 100
 110 37.5 20.0 59.9
 77 30.6 24.7 37.1

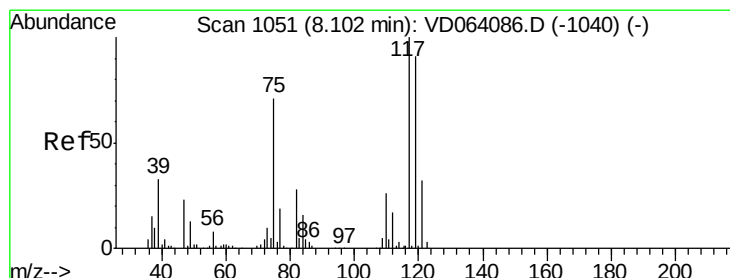
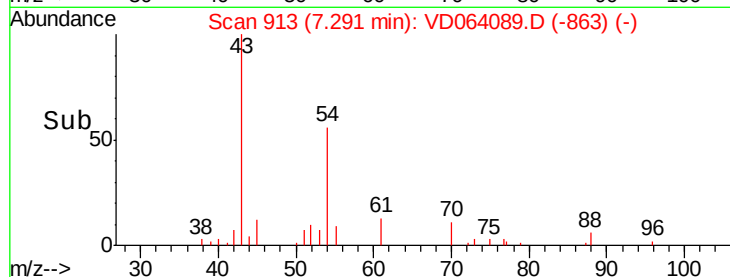
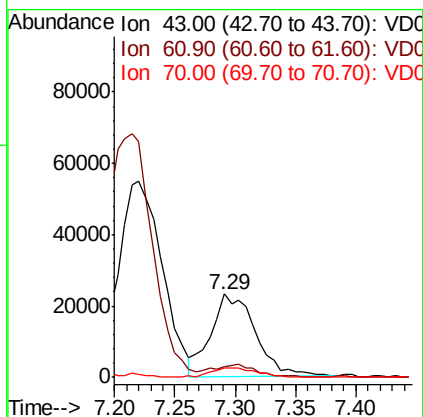
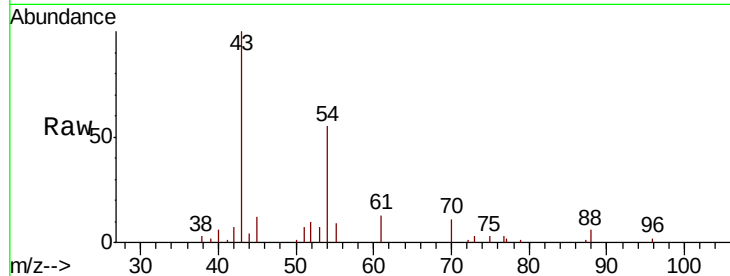




#37
Ethyl Acetate
Concen: 52.363 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

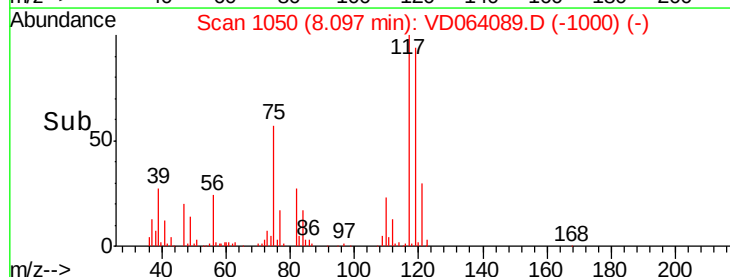
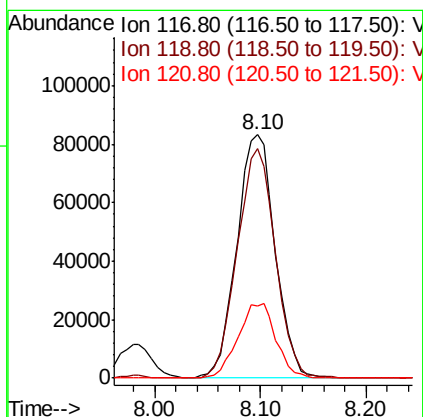
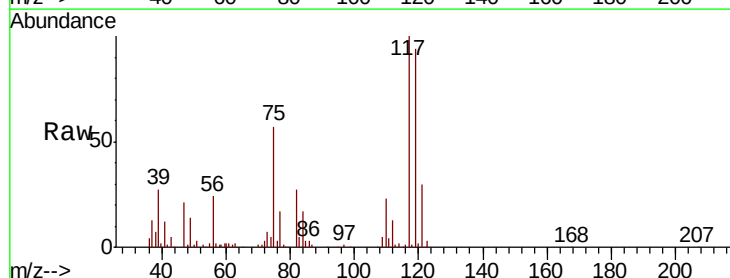
Instrument :
MSVOA_D
ClientSampleId :

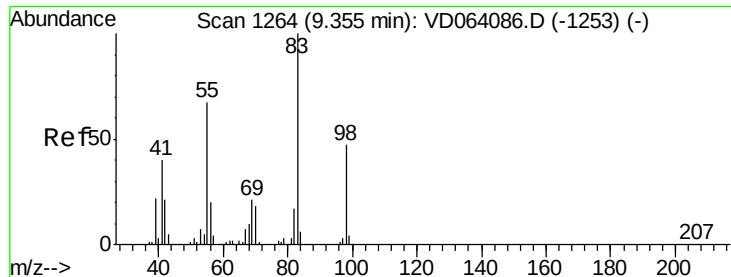
Tot Ion: 43 Resp: 59185
Ion Ratio Lower Upper
43 100
61 13.7 12.0 18.0
70 11.7 3.8 5.6#



#38
Carbon Tetrachloride
Concen: 52.285 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion: 117 Resp: 209483
Ion Ratio Lower Upper
117 100
119 94.2 72.6 108.8
121 29.7 25.8 38.6

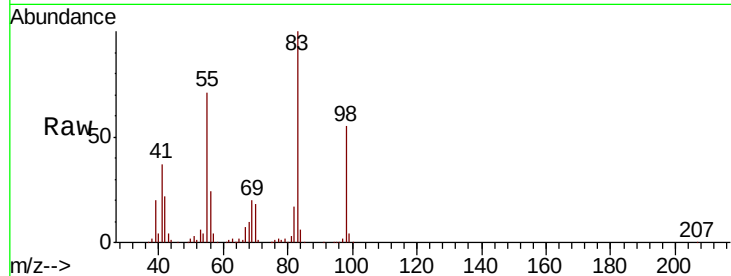




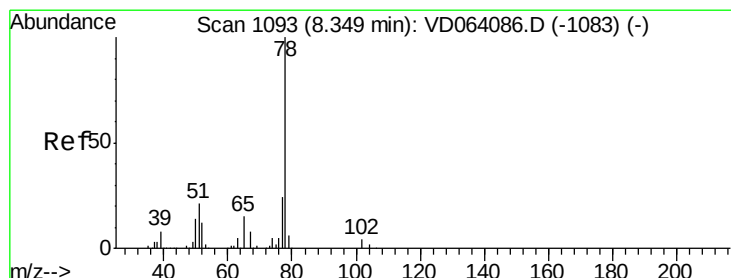
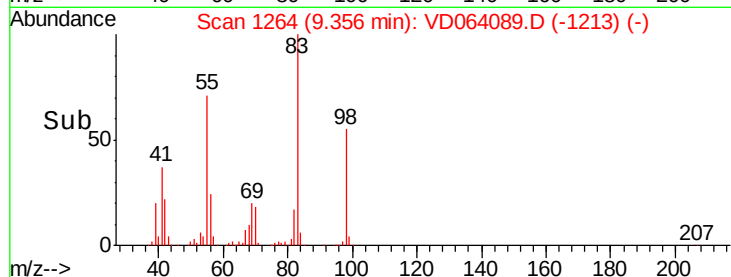
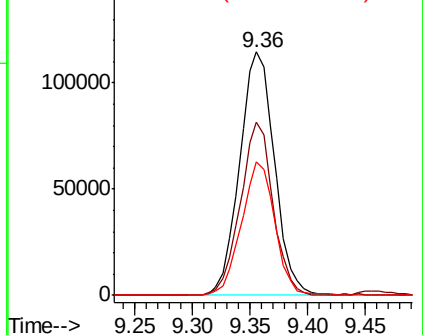
#39
Methylvlcyclohexane
Concen: 53.476 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 241055
Ion Ratio Lower Upper
83 100
55 71.1 53.4 80.0
98 54.6 37.8 56.6

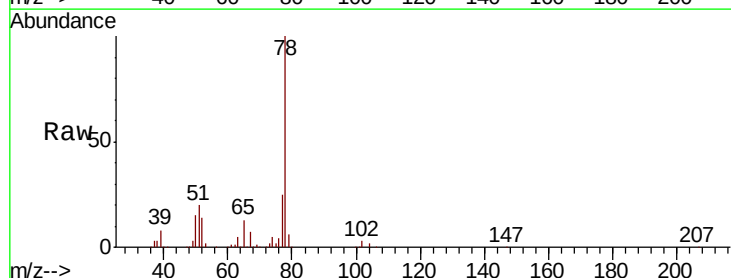


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

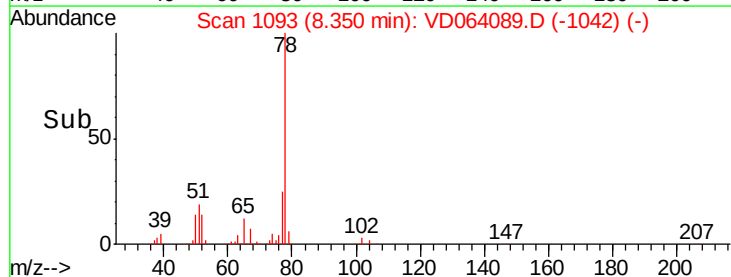
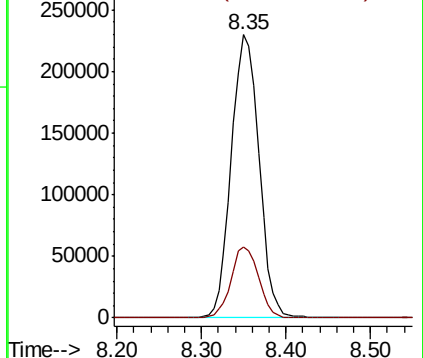


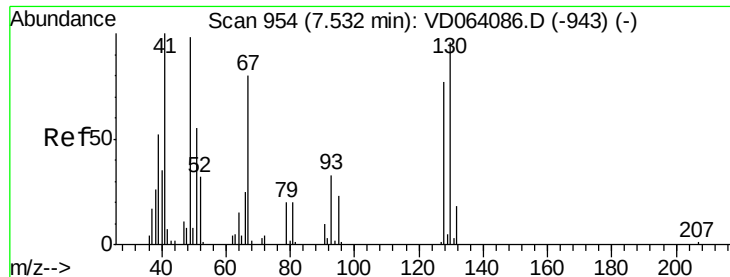
#40
Benzene
Concen: 51.952 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion: 78 Resp: 520231
Ion Ratio Lower Upper
78 100
77 25.1 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 123.742 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.03 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 80714

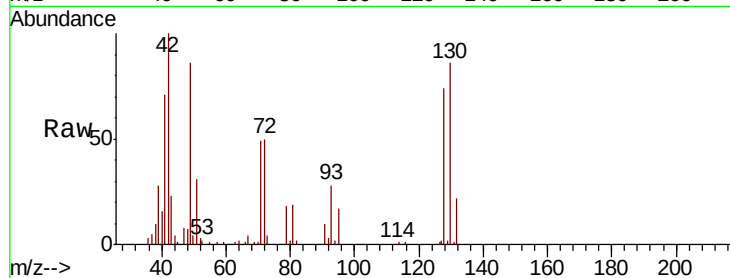
Ion Ratio Lower Upper

41 100

39 22.4 41.0 61.4#

67 0.0 73.4 110.0#

52 0.0 27.3 40.9#

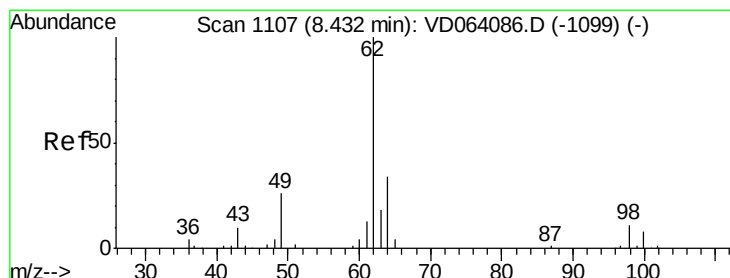
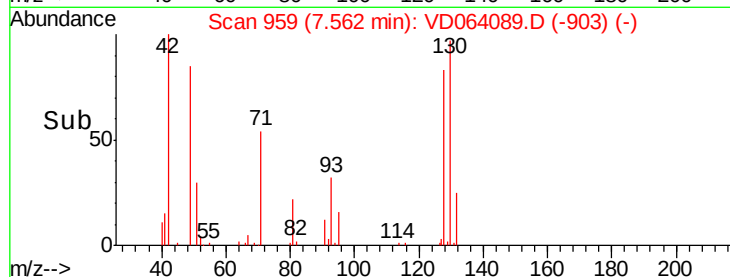
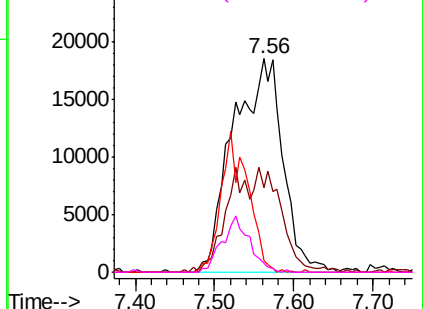


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 49.739 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD064089.D

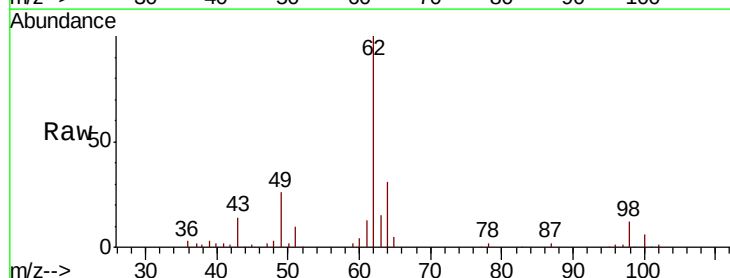
Acq: 29 Oct 2019 15:09

Tgt Ion: 62 Resp: 131565

Ion Ratio Lower Upper

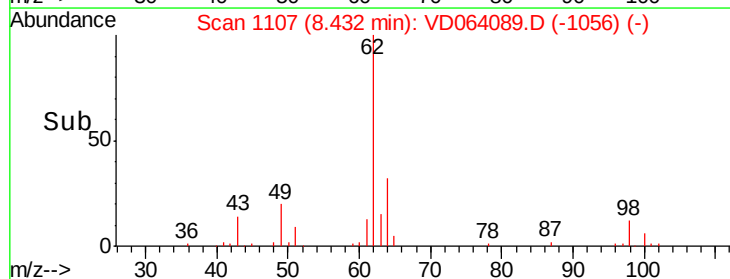
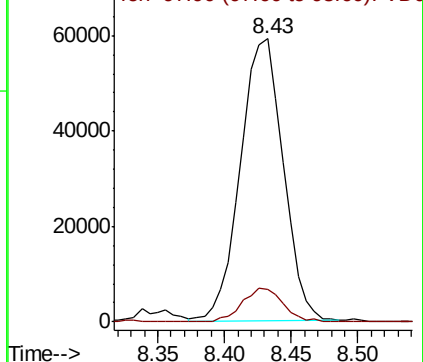
62 100

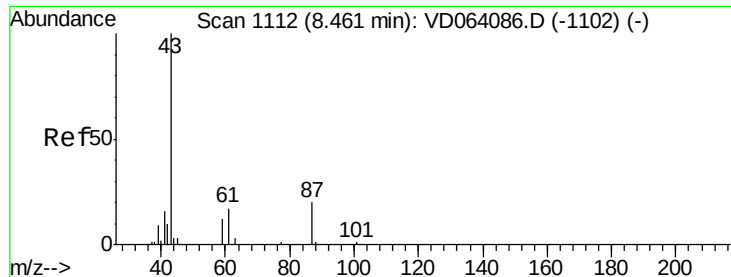
98 11.5 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 49.837 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

ClientSampleId :

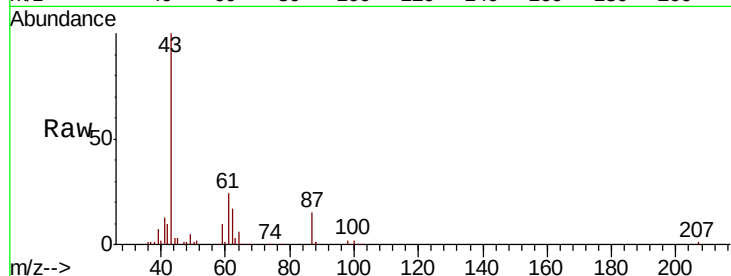
Tot Ion: 43 Resp: 113839

Ion Ratio Lower Upper

43 100

61 33.4 25.8 38.8

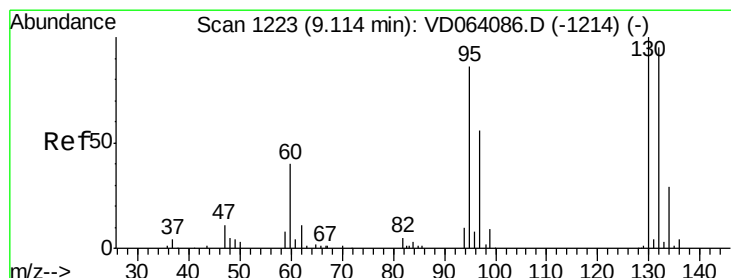
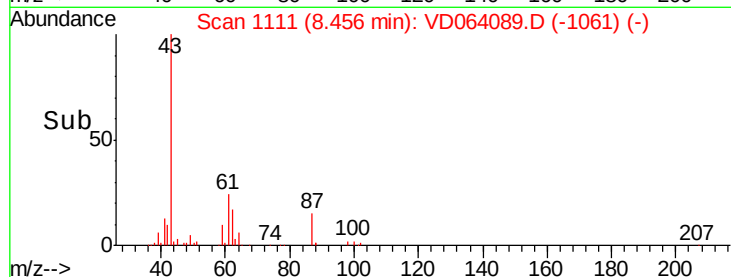
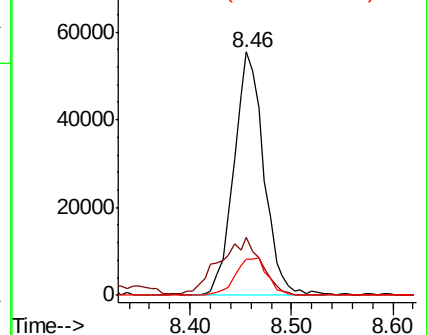
87 16.3 13.0 19.4



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: 51.877 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064089.D

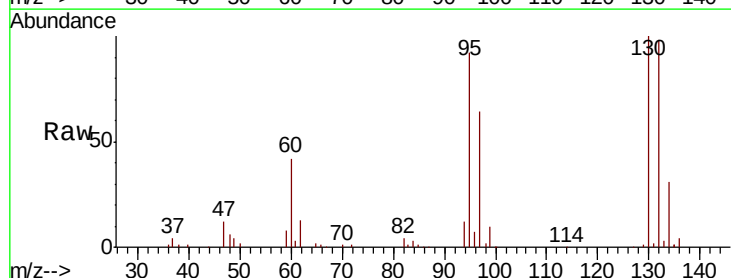
Acq: 29 Oct 2019 15:09

Tgt Ion: 130 Resp: 157450

Ion Ratio Lower Upper

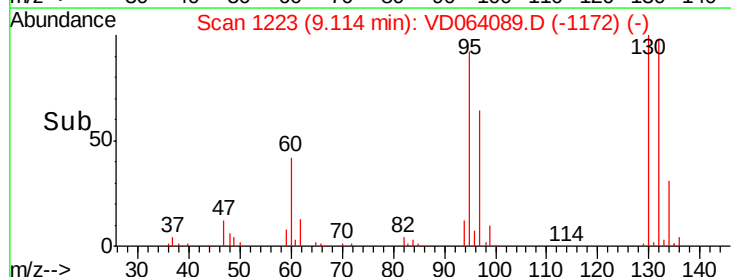
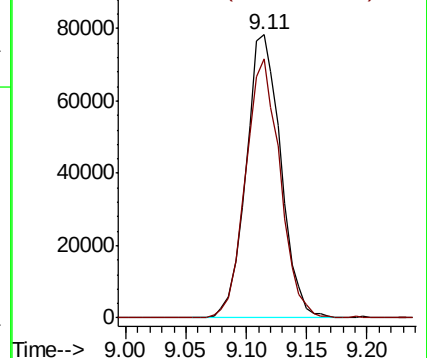
130 100

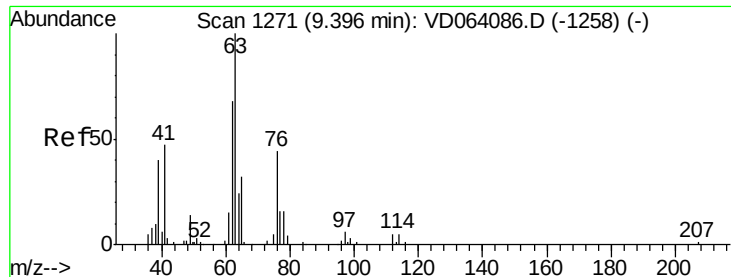
95 91.5 0.0 173.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 49.974 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

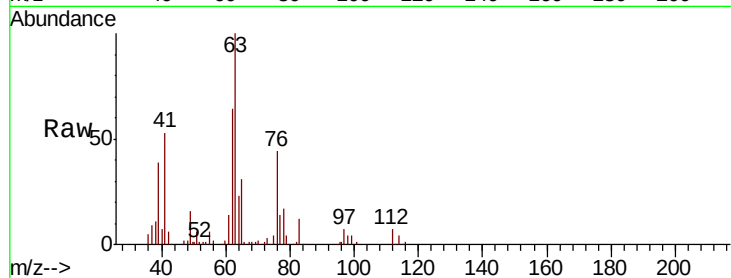
ClientSampleId :

Tot Ion: 63 Resp: 115974

Ion Ratio Lower Upper

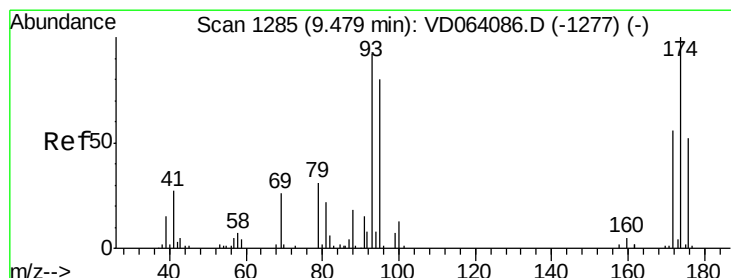
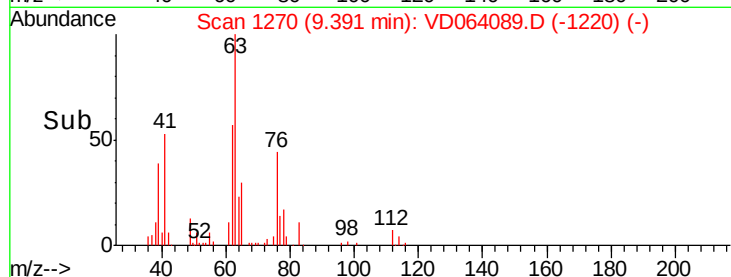
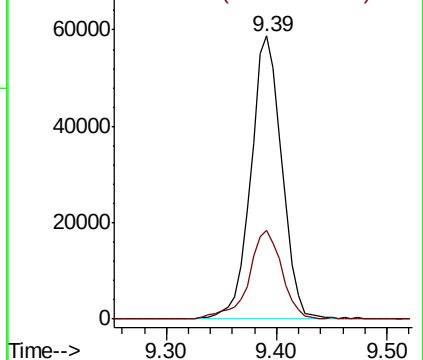
63 100

65 31.2 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: 48.915 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

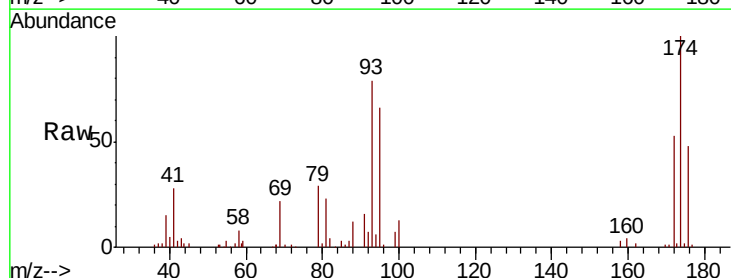
Tgt Ion: 93 Resp: 68367

Ion Ratio Lower Upper

93 100

95 80.4 67.4 101.2

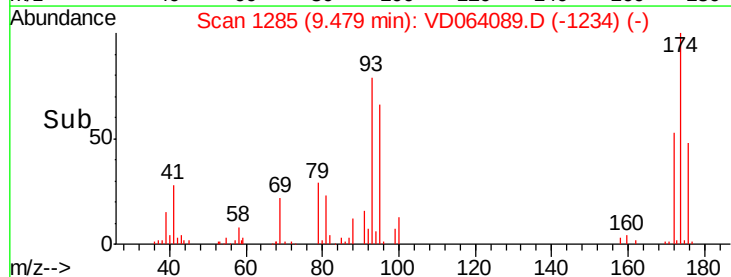
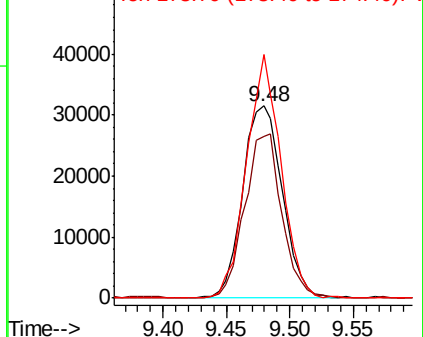
174 110.8 86.4 129.6

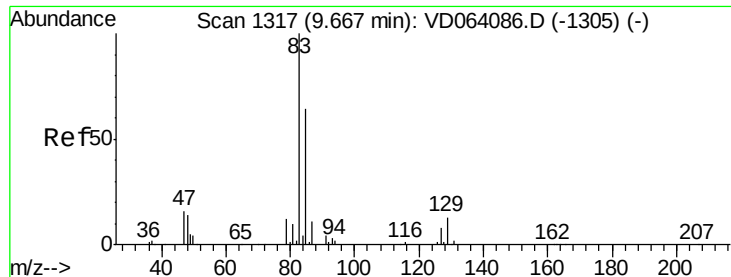


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.907 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

ClientSampleId :

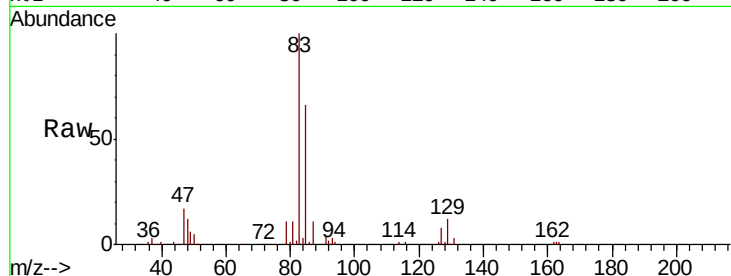
Tot Ion: 83 Resp: 183024

Ion Ratio Lower Upper

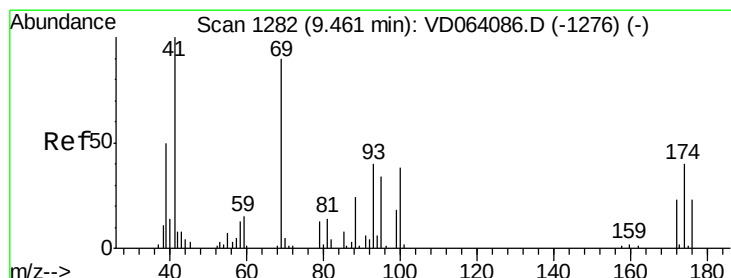
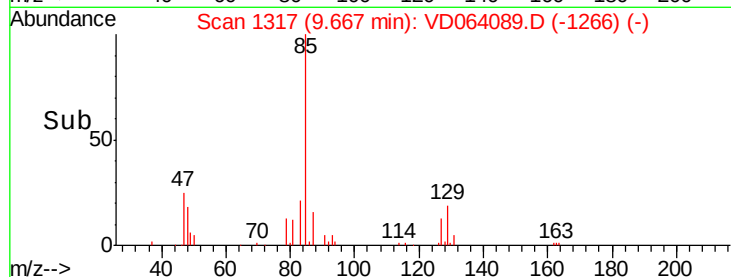
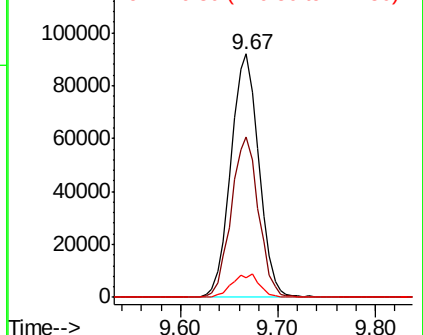
83 100

85 65.8 51.4 77.0

127 8.2 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: 53.006 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

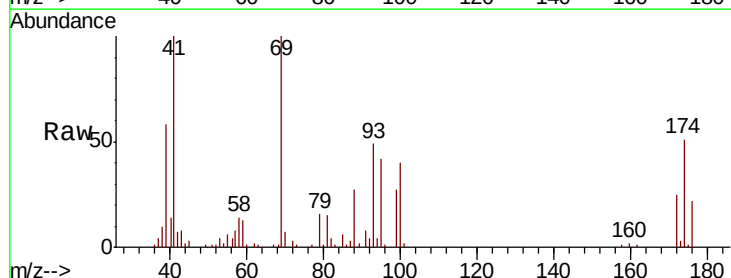
Tgt Ion: 41 Resp: 55992

Ion Ratio Lower Upper

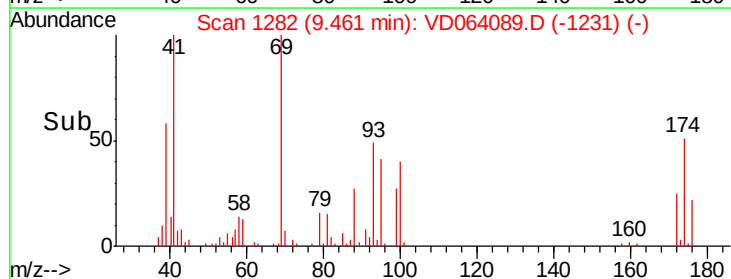
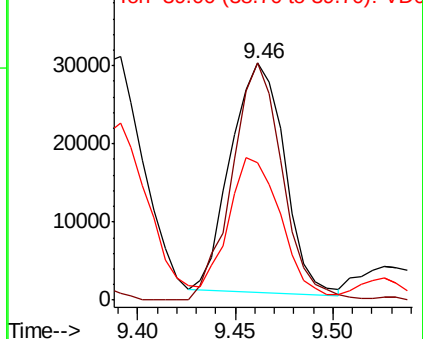
41 100

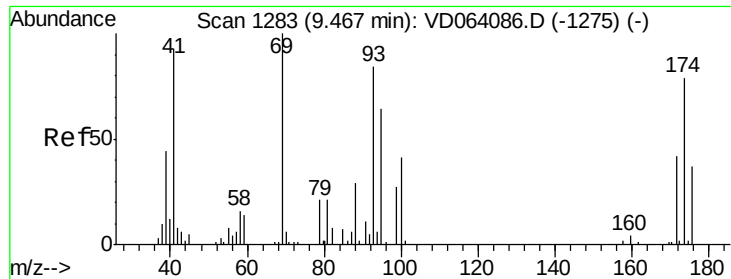
69 97.1 82.6 124.0

39 56.2 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: 1010.893 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :
MSVOA_D
ClientSampleId :

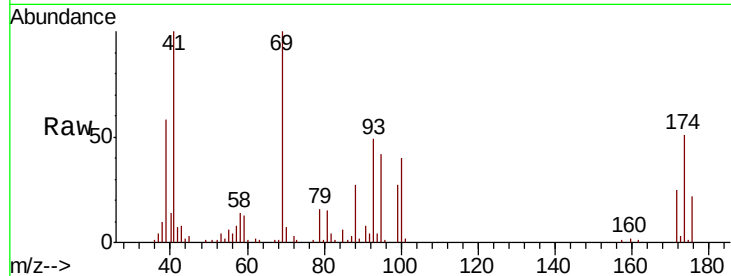
Tot Ion: 88 Resp: 16173

Ion Ratio Lower Upper

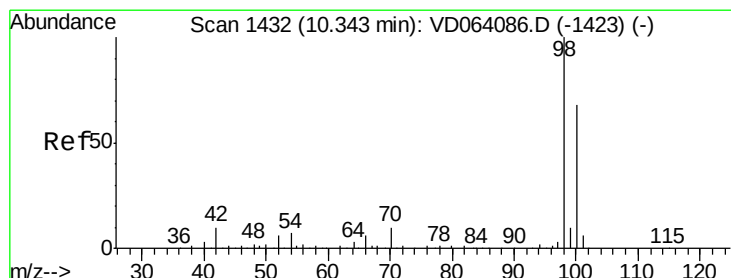
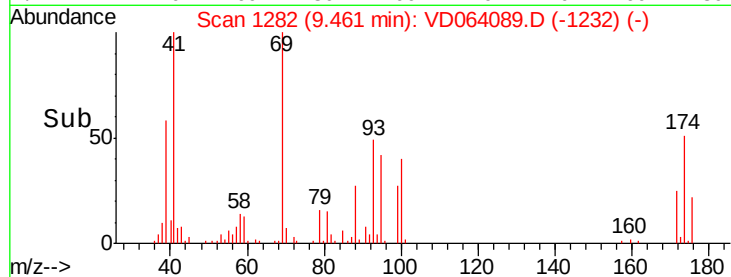
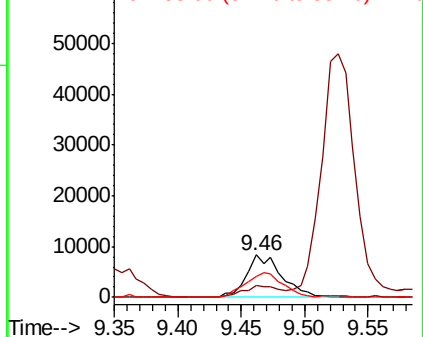
88 100

43 28.9 13.4 20.0#

58 62.2 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: 54.377 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064089.D

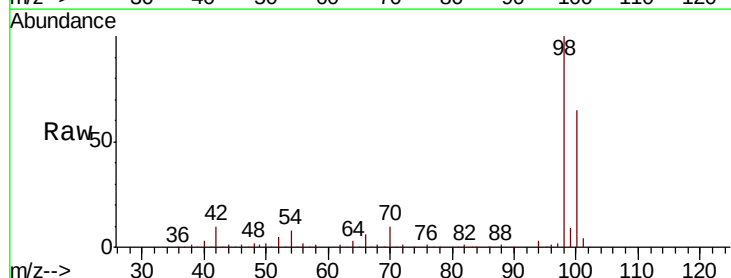
Acq: 29 Oct 2019 15:09

Tgt Ion: 98 Resp: 524307

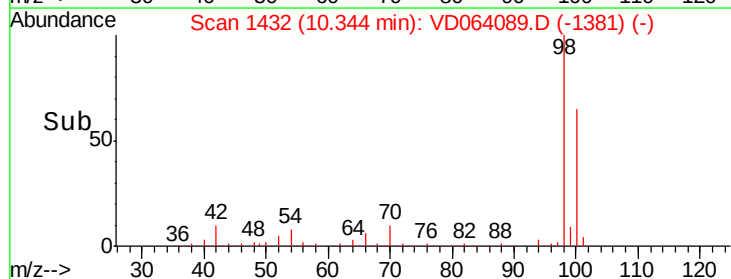
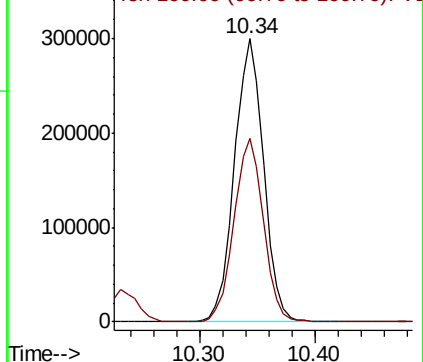
Ion Ratio Lower Upper

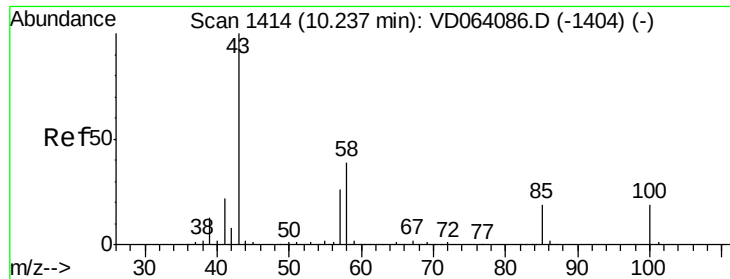
98 100

100 65.5 53.4 80.0



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

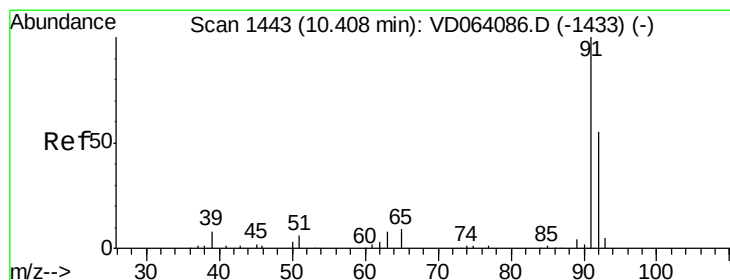
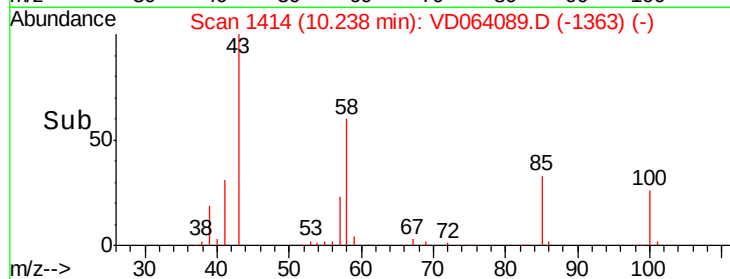
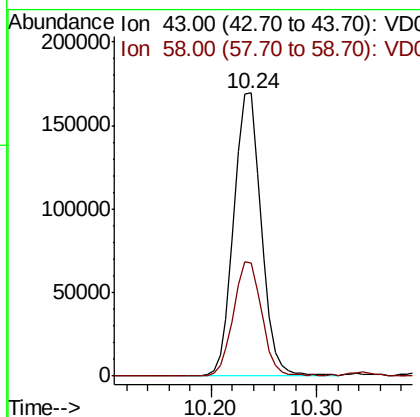
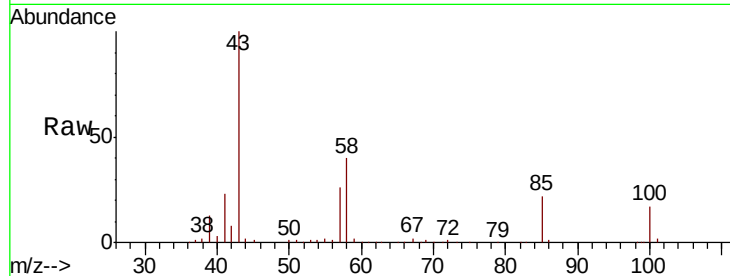




#51
4-Methyl-2-Pentanone
Concen: 246.135 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

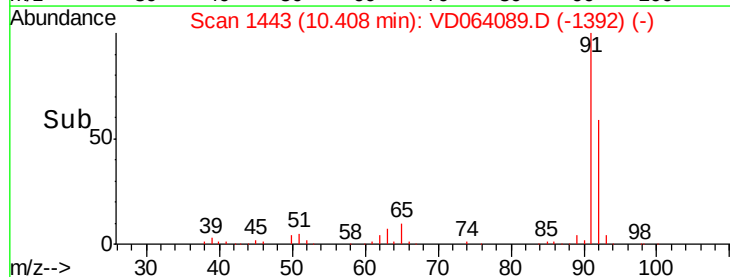
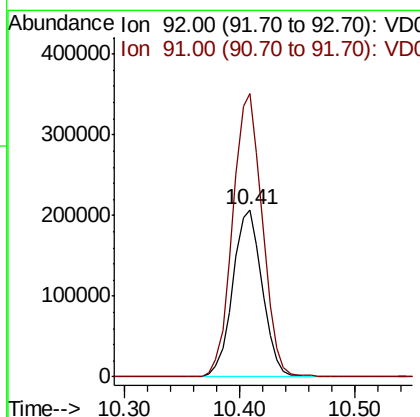
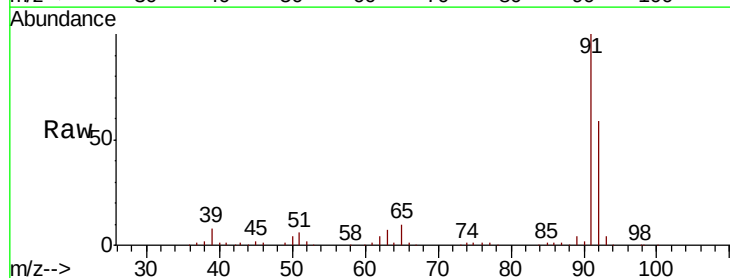
Instrument :
MSVOA_D
ClientSampleId :

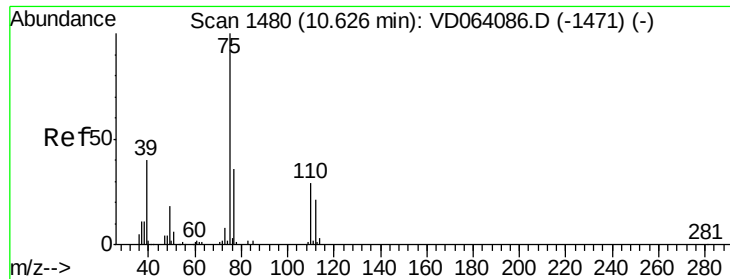
Tot Ion: 43 Resp: 306079
Ion Ratio Lower Upper
43 100
58 41.5 33.0 49.4



#52
Toluene
Concen: 52.022 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion: 92 Resp: 365073
Ion Ratio Lower Upper
92 100
91 171.1 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 52.846 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

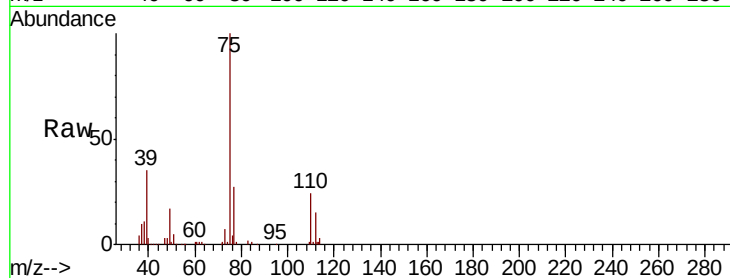
ClientSampled :

Tot Ion: 75 Resp: 173938

Ion Ratio Lower Upper

75 100

77 26.8 28.7 43.1#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.62

80000

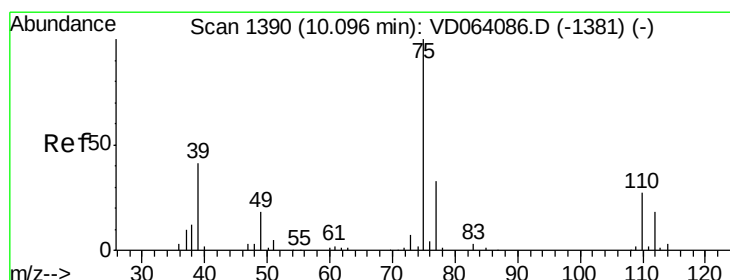
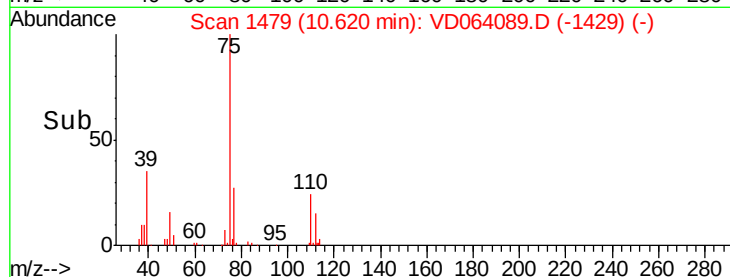
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.905 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

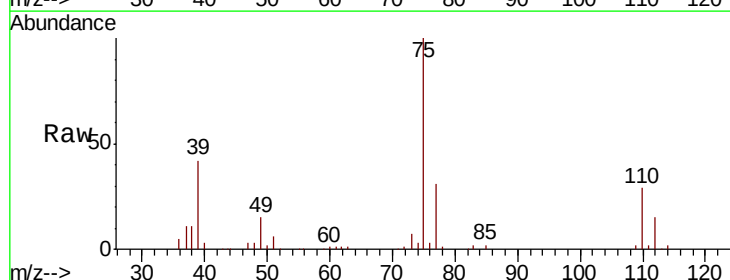
Tgt Ion: 75 Resp: 200997

Ion Ratio Lower Upper

75 100

77 30.8 26.8 40.2

39 41.8 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

10.10

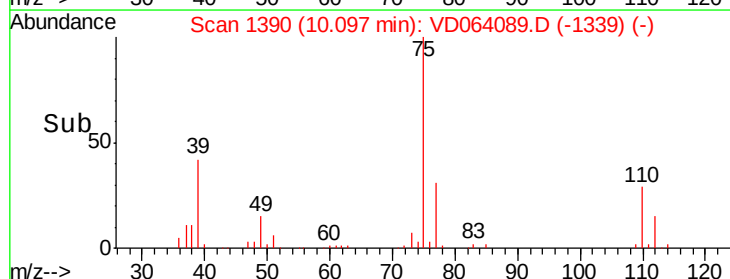
150000

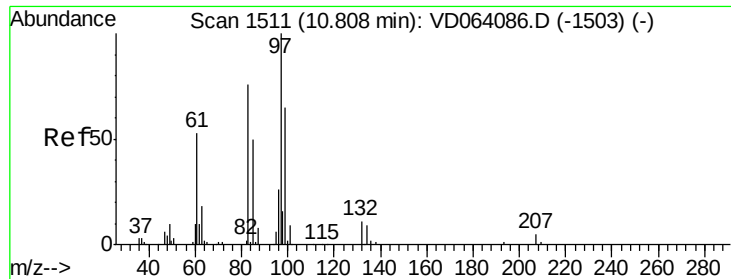
100000

50000

0

Time-->

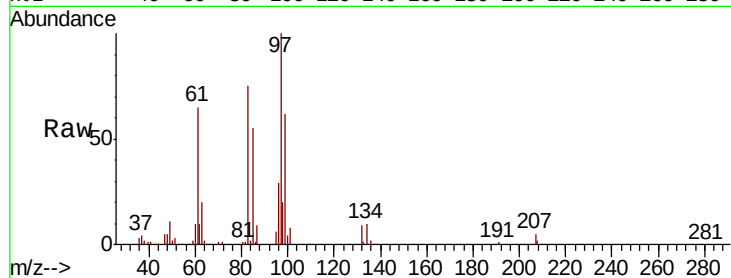




#55
1,1,2-Trichloroethane
Concen: 49.613 ug/l
RT: 10.80 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	97	Resp:	98313
Ion	Ratio	Lower	Upper
97	100		
83	74.5	60.9	91.3
85	55.2	40.2	60.2
99	62.4	51.9	77.9



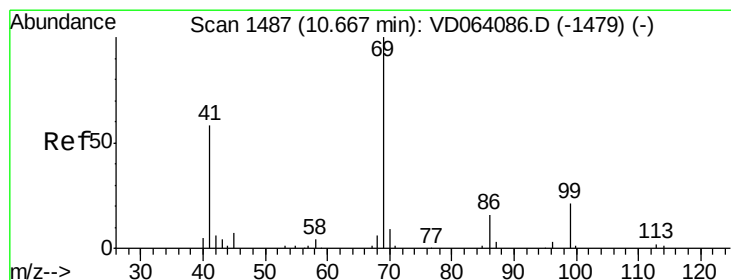
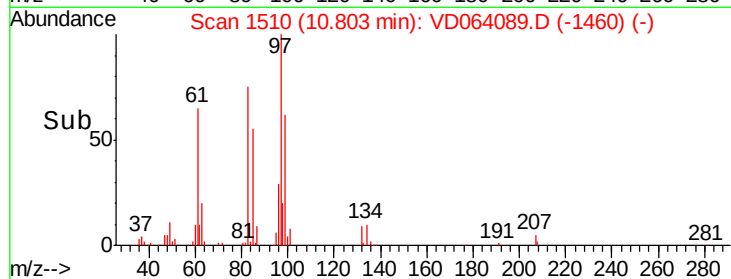
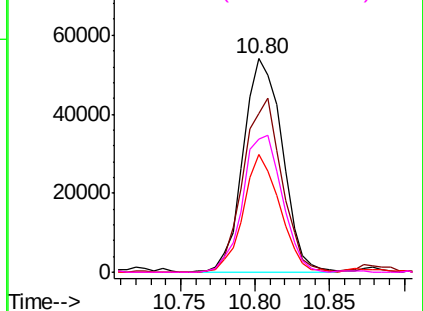
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

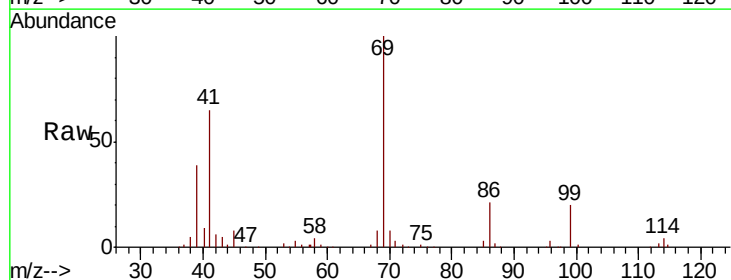
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
Ethyl methacrylate
Concen: 45.927 ug/l
RT: 10.67 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion:	69	Resp:	109986
Ion	Ratio	Lower	Upper
69	100		
41	57.1	46.9	70.3
39	33.0	27.3	40.9

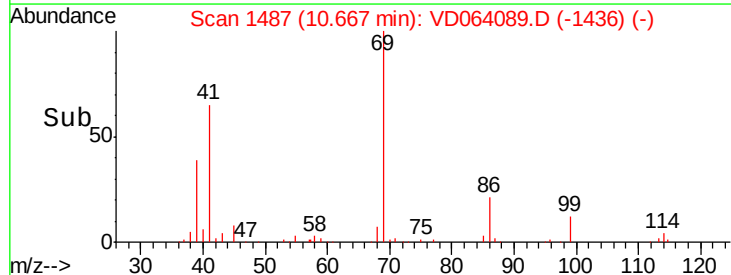
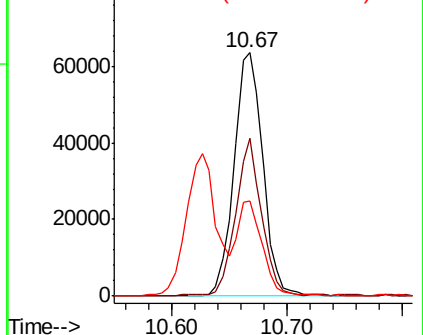


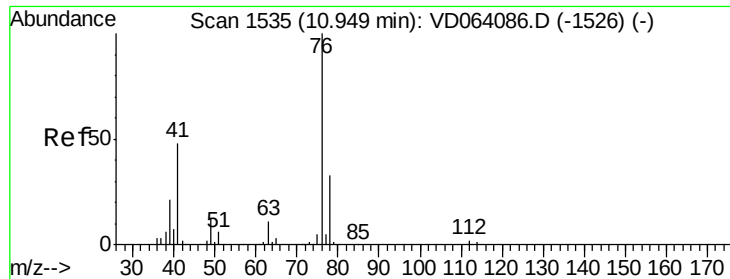
Abundance

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: 48.670 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

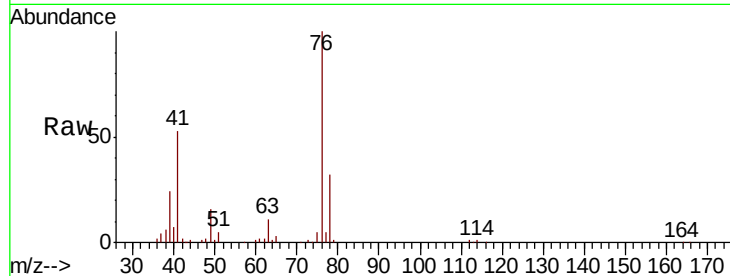
ClientSampled :

Tot Ion: 76 Resp: 159503

Ion Ratio Lower Upper

76 100

78 33.0 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

80000

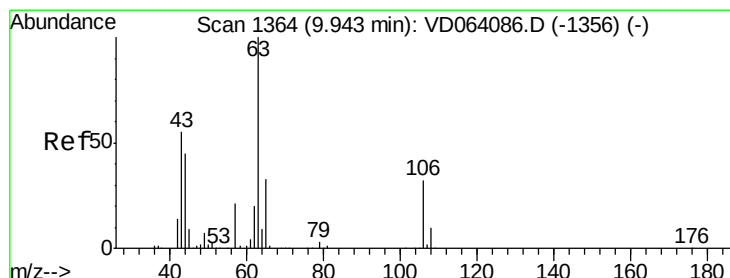
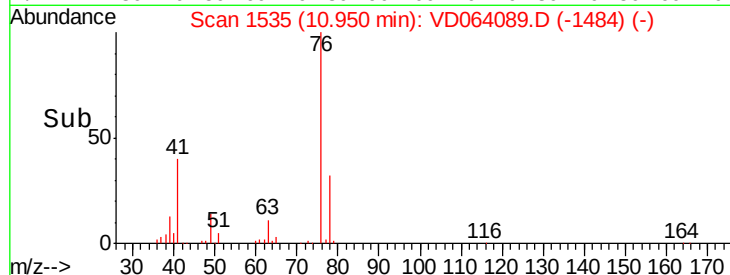
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 257.238 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064089.D

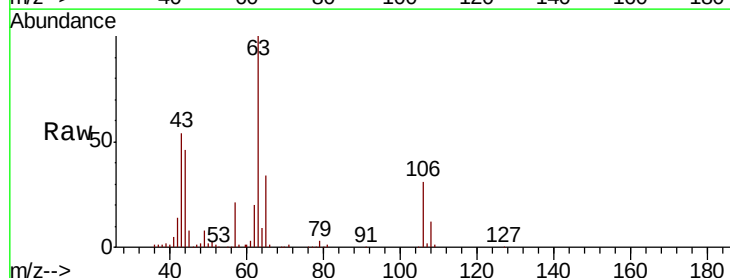
Acq: 29 Oct 2019 15:09

Tgt Ion: 63 Resp: 223322

Ion Ratio Lower Upper

63 100

106 32.3 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

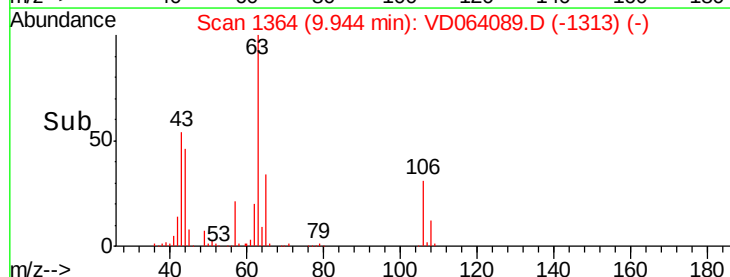
150000

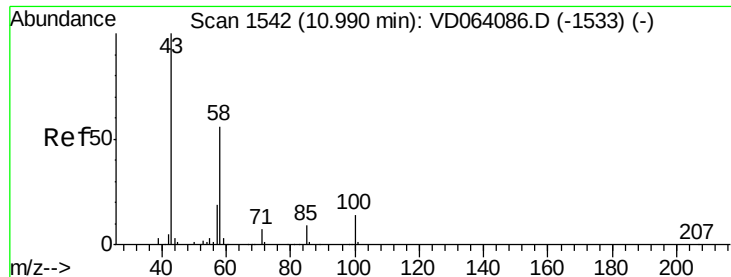
100000

50000

0

Time-->

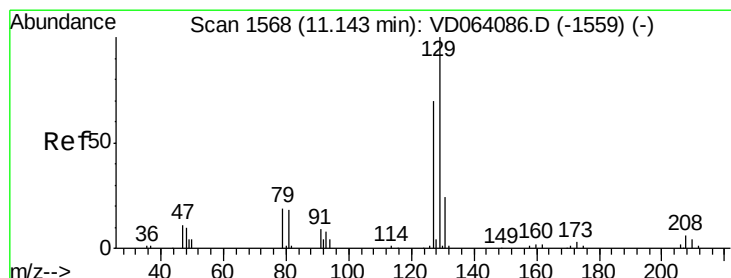
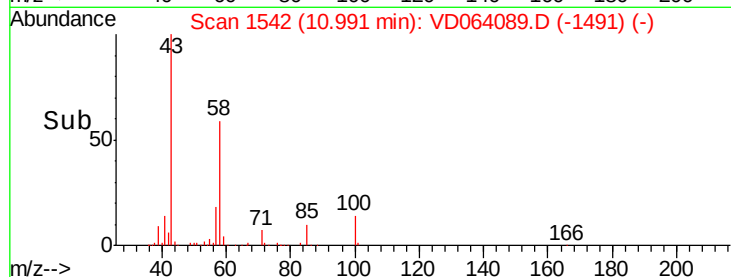
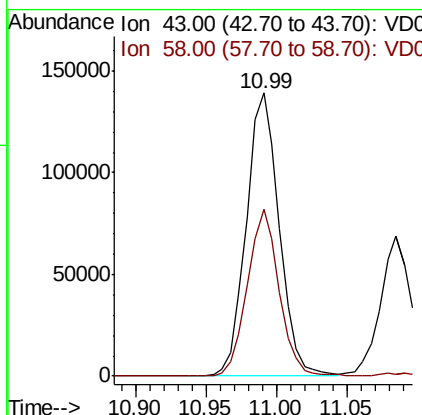
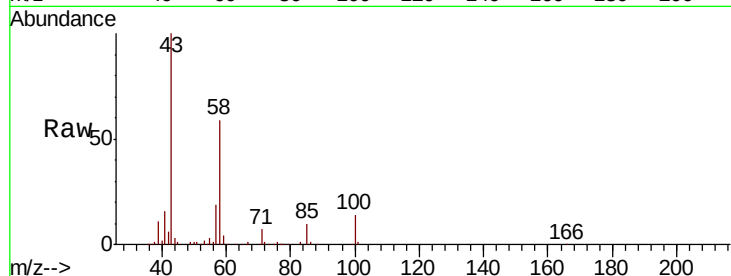




#59
2-Hexanone
Concen: 234.979 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

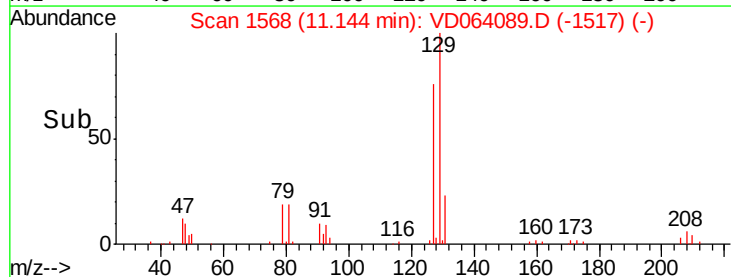
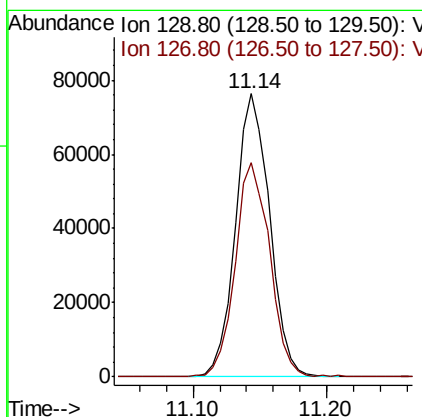
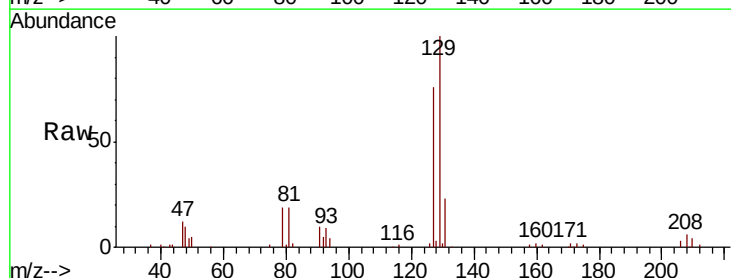
Instrument :
MSVOA_D
ClientSampleId :

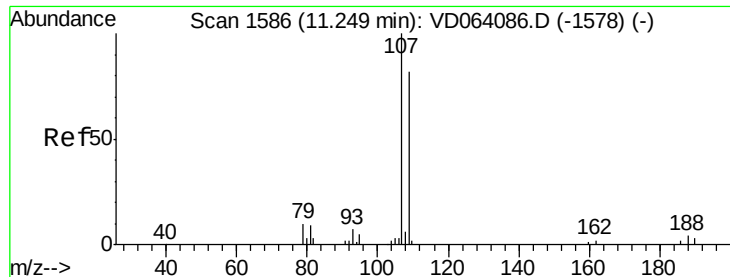
Tot Ion: 43 Resp: 228511
Ion Ratio Lower Upper
43 100
58 56.9 29.2 87.6



#60
Dibromochloromethane
Concen: 50.188 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion: 129 Resp: 134987
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.8





#61

1,2-Dibromoethane

Concen: 49.291 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

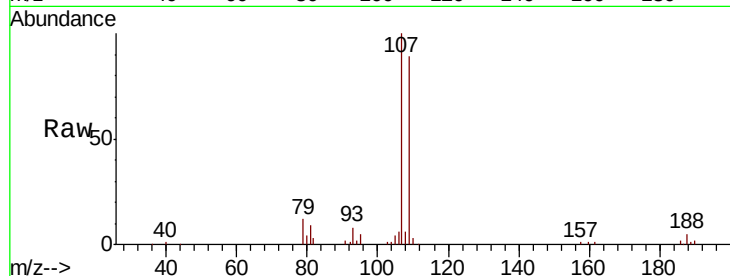
ClientSampleId :

Tot Ion: 107 Resp: 97692

Ion Ratio Lower Upper

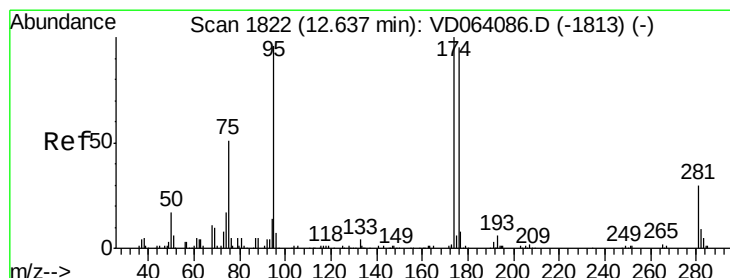
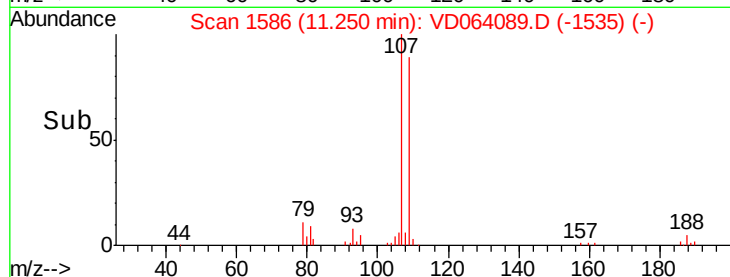
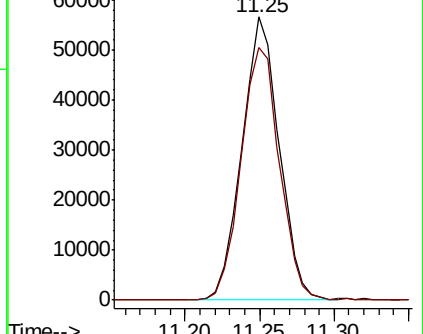
107 100

109 92.1 73.0 109.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 56.019 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

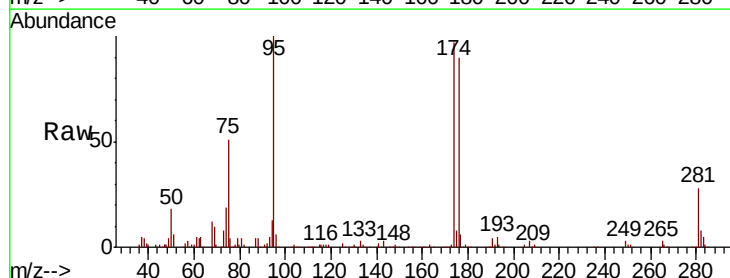
Tgt Ion: 95 Resp: 179072

Ion Ratio Lower Upper

95 100

174 93.9 0.0 201.6

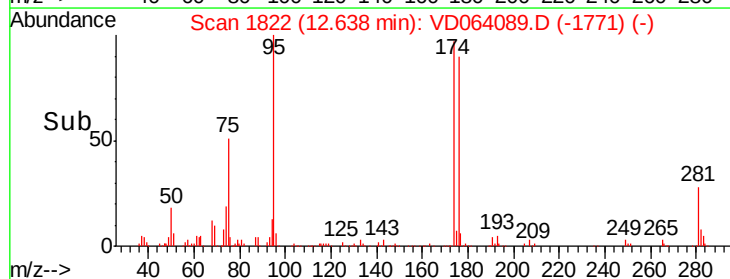
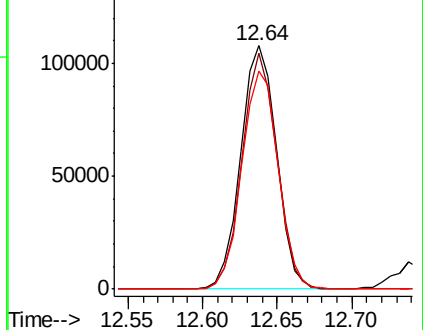
176 91.0 0.0 192.6

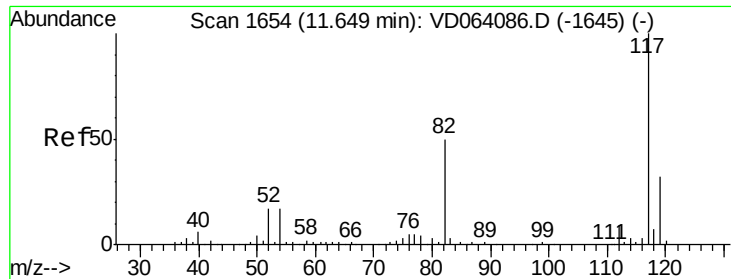


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

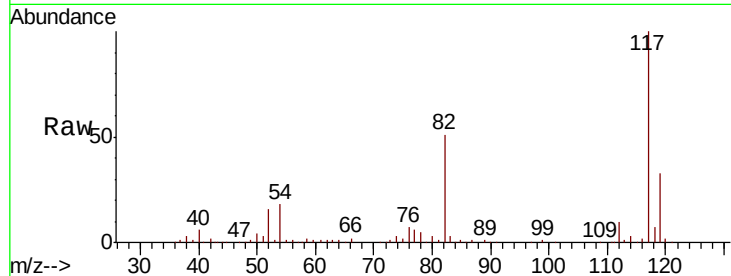




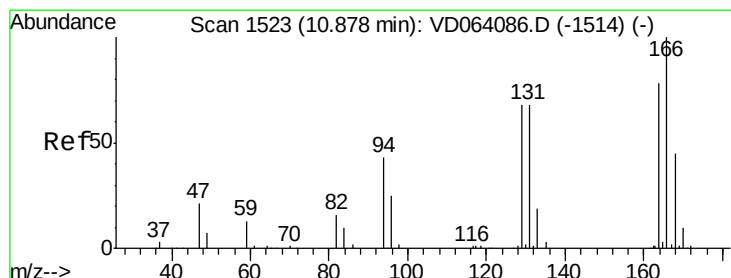
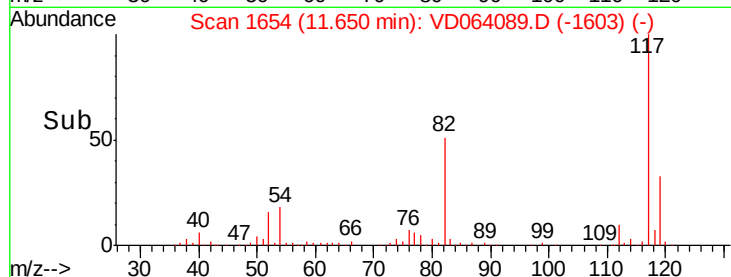
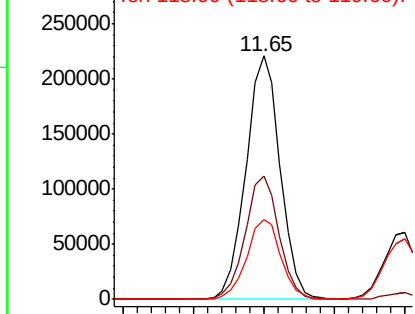
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 375022
Ion Ratio Lower Upper
117 100
82 50.5 40.2 60.4
119 32.9 26.0 39.0

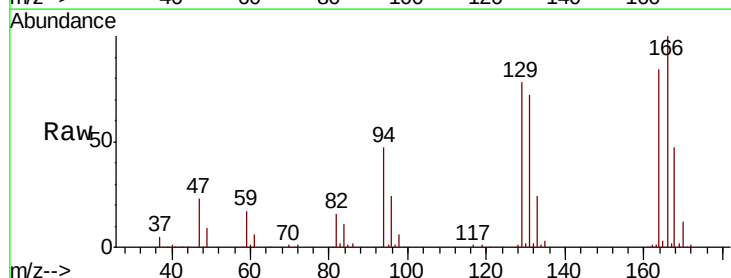


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

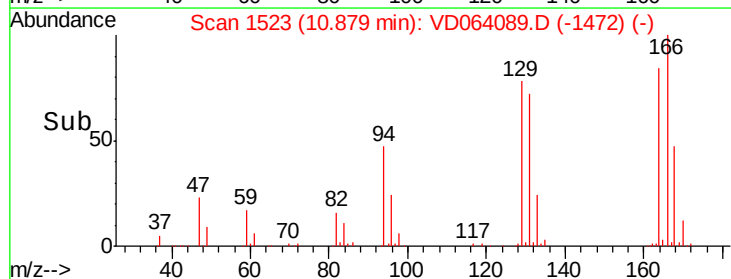
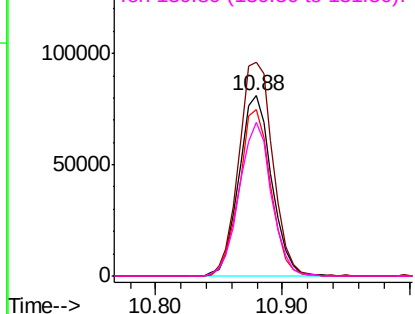


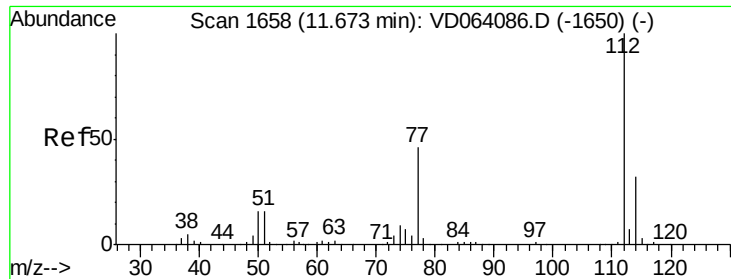
#64
Tetrachloroethene
Concen: 53.792 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion:164 Resp: 144926
Ion Ratio Lower Upper
164 100
166 118.4 102.7 154.1
129 92.4 69.8 104.6
131 84.9 69.4 104.0



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

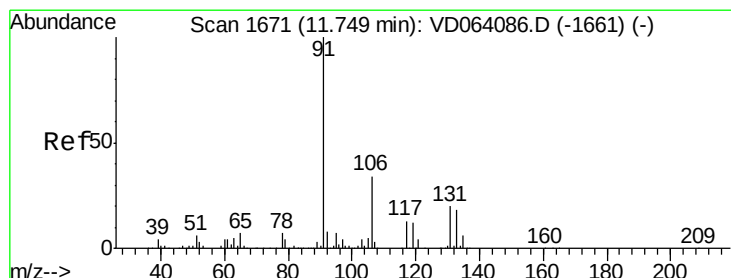
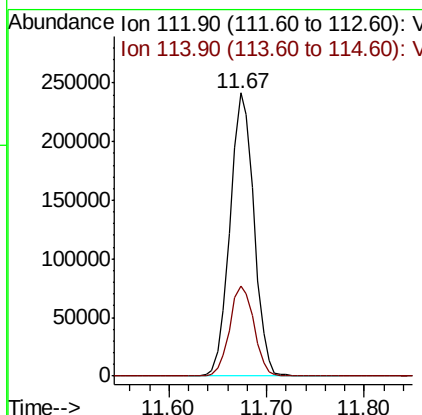
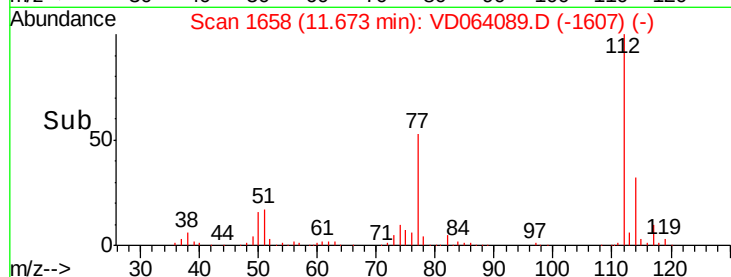
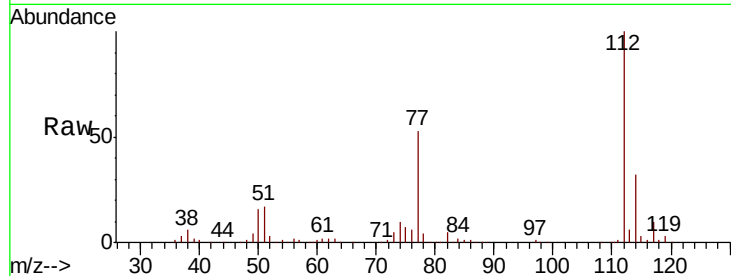




#65
Chlorobenzene
Concen: 53.064 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

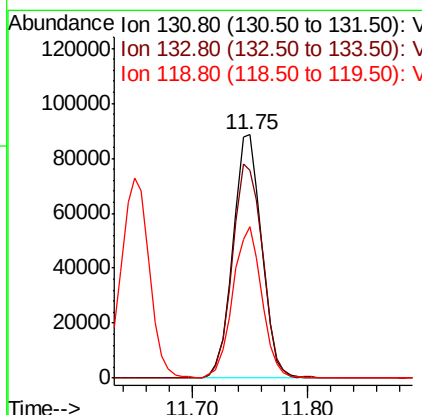
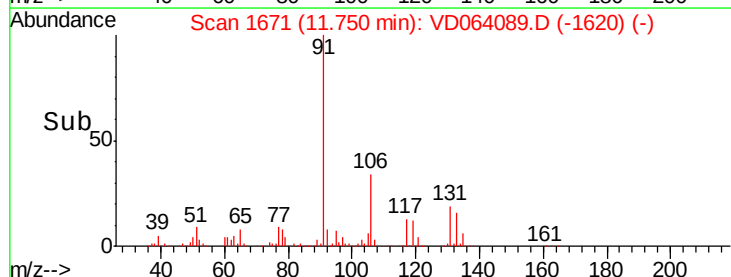
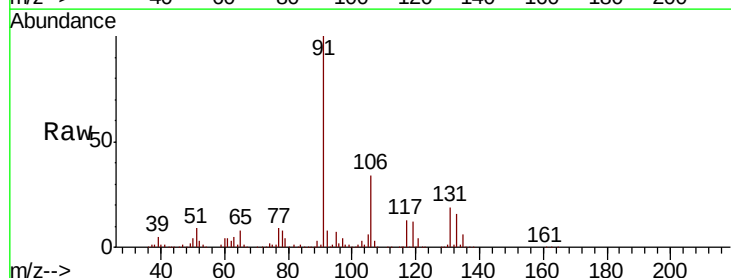
Instrument :
MSVOA_D
ClientSampled :

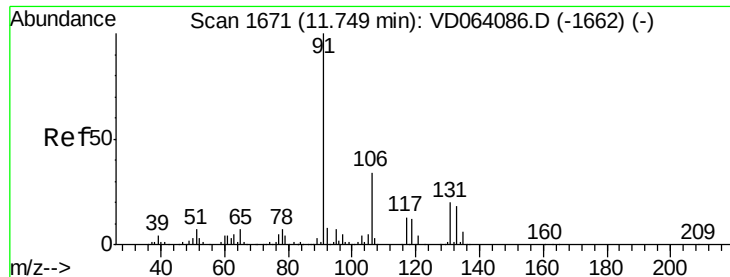
Tot Ion:112 Resp: 411180
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 52.638 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion:131 Resp: 152621
Ion Ratio Lower Upper
131 100
133 93.0 47.6 142.9
119 62.7 31.4 94.3





#67

Ethyl Benzene

Concen: 54.154 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

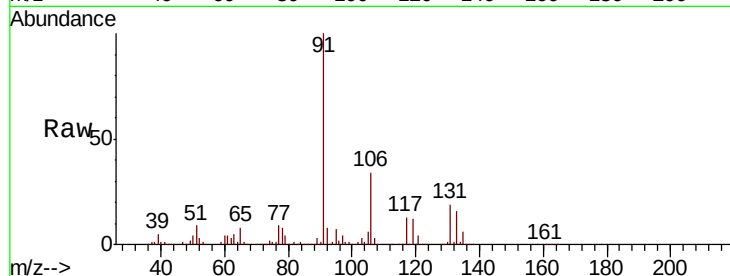
ClientSampleId :

Tot Ion: 91 Resp: 746380

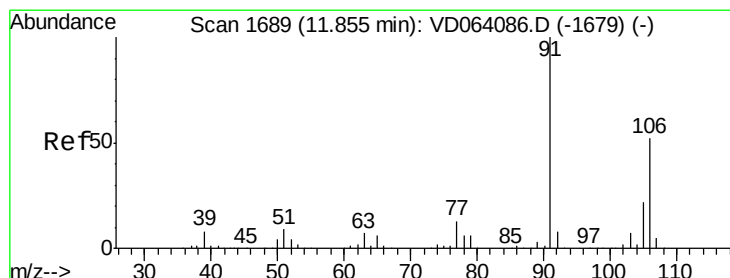
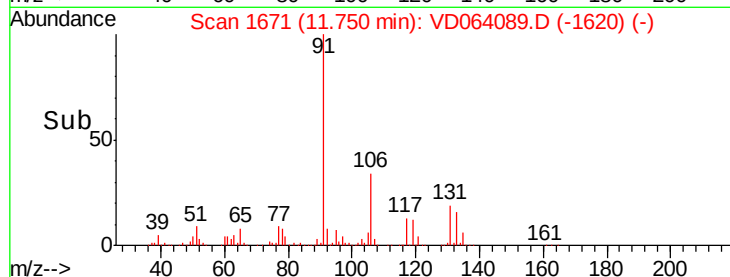
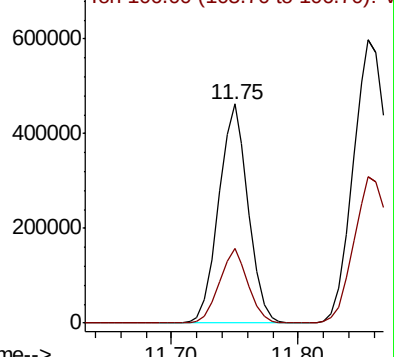
Ion Ratio Lower Upper

91 100

106 34.0 27.0 40.6



Abundance Ion 91.00 (90.70 to 91.70): VDC



#68

m/p-Xylenes

Concen: 107.726 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064089.D

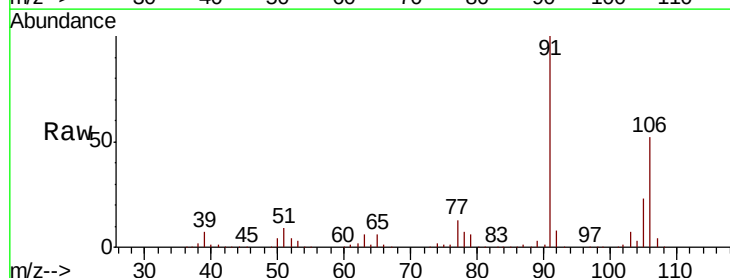
Acq: 29 Oct 2019 15:09

Tgt Ion: 106 Resp: 597198

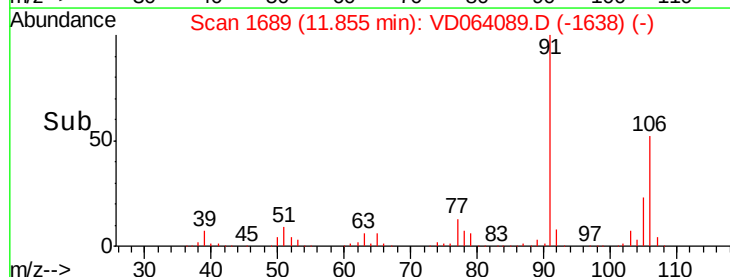
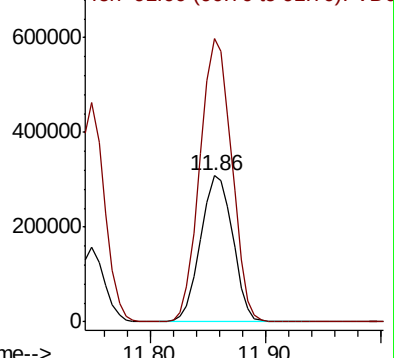
Ion Ratio Lower Upper

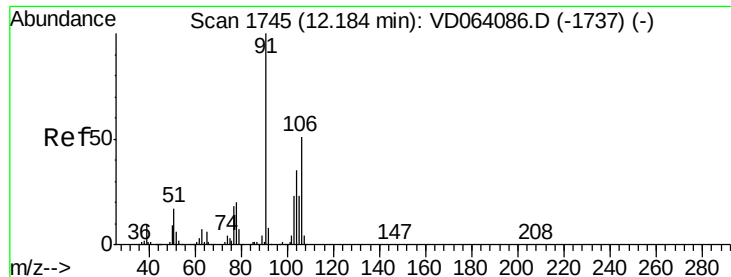
106 100

91 191.3 154.0 231.0



Abundance Ion 106.00 (105.70 to 106.70): VDC

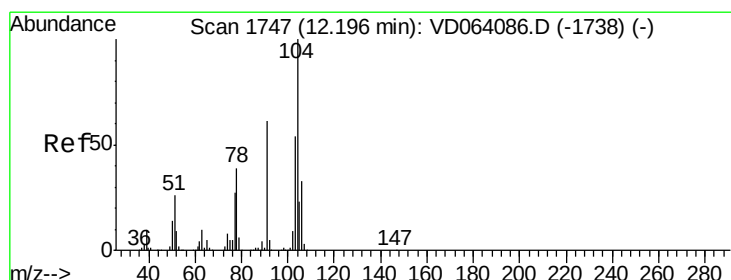
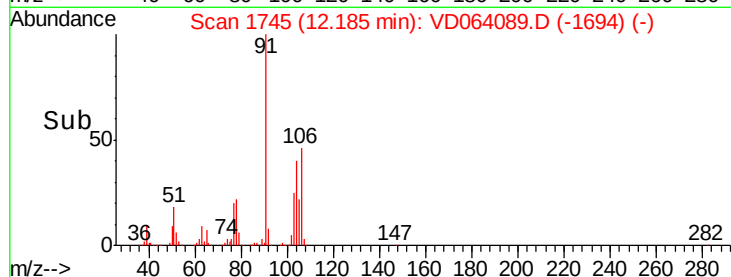
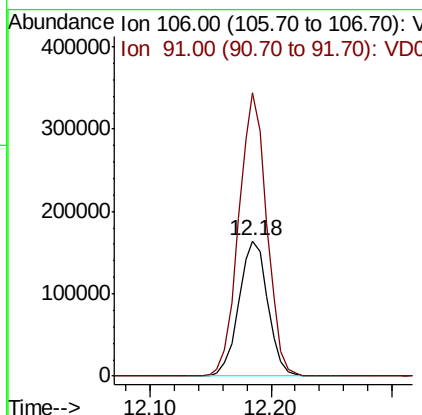
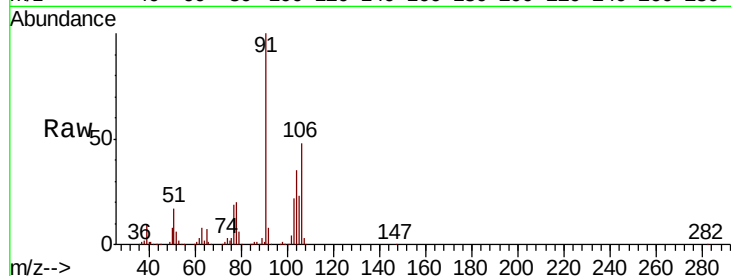




#69
o-Xylene
Concen: 54.006 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

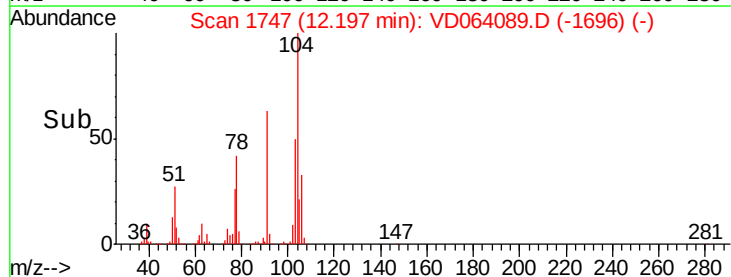
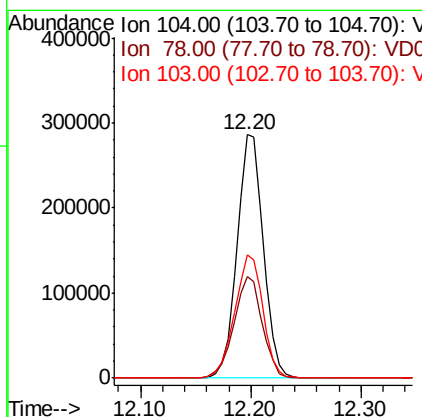
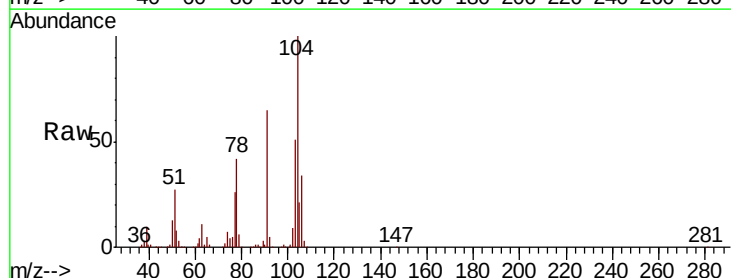
Instrument :
MSVOA_D
ClientSampleId :

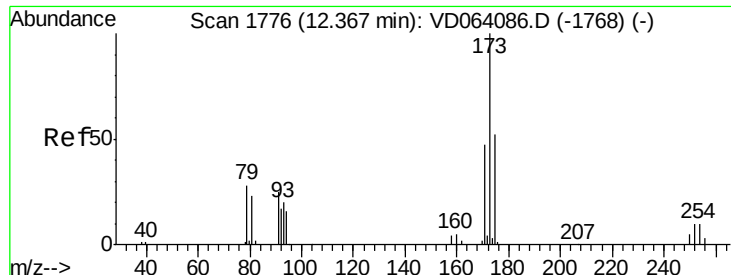
Tot Ion:106 Resp: 273237
Ion Ratio Lower Upper
106 100
91 203.8 100.6 301.9



#70
Styrene
Concen: 54.963 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion:104 Resp: 479596
Ion Ratio Lower Upper
104 100
78 45.1 34.6 51.8
103 54.2 44.2 66.2

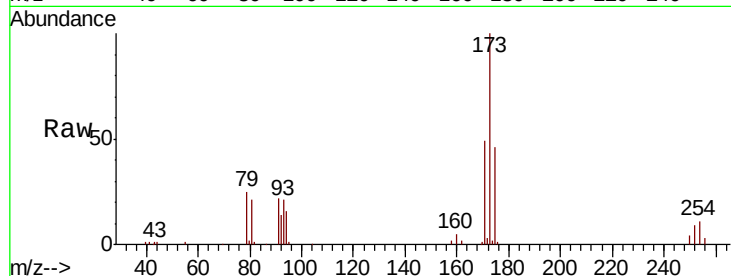




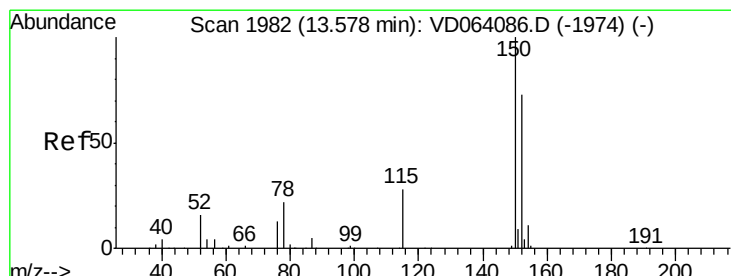
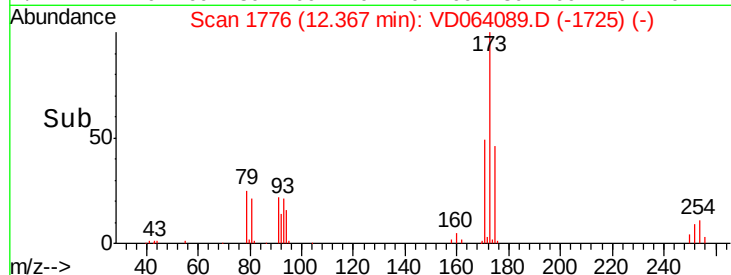
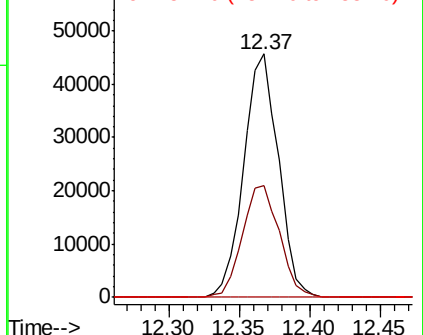
#71
Bromoform
Concen: 50.847 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 78737
Ion Ratio Lower Upper
173 100
175 49.2 24.3 72.9
254 0.0 0.0 0.0

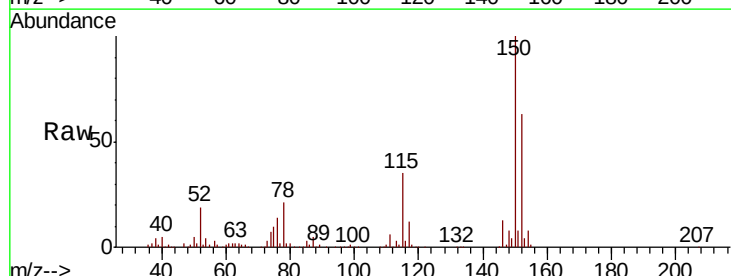


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

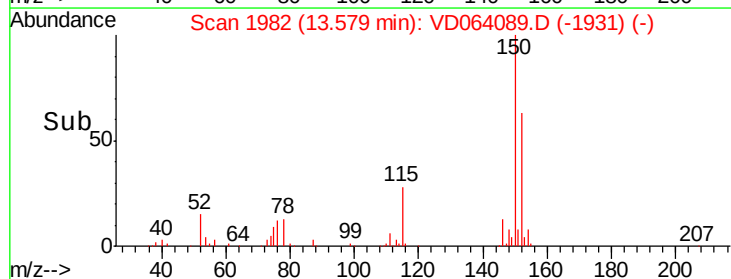
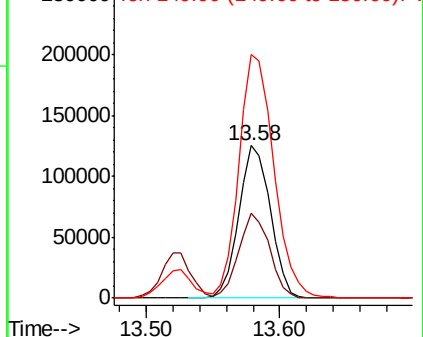


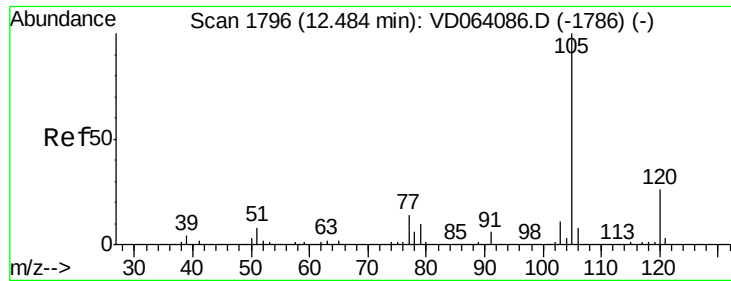
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion:152 Resp: 204595
Ion Ratio Lower Upper
152 100
115 54.8 26.2 78.6
150 176.8 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: 54.331 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

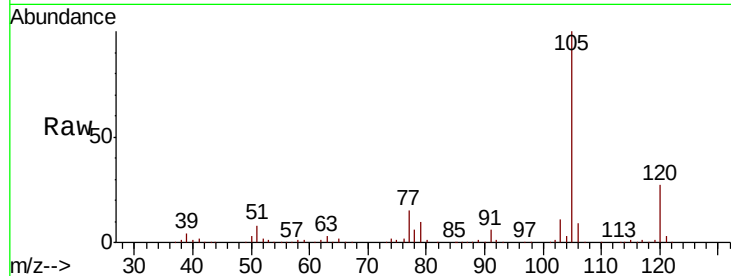
ClientSampled :

Tot Ion:105 Resp: 772438

Ion Ratio Lower Upper

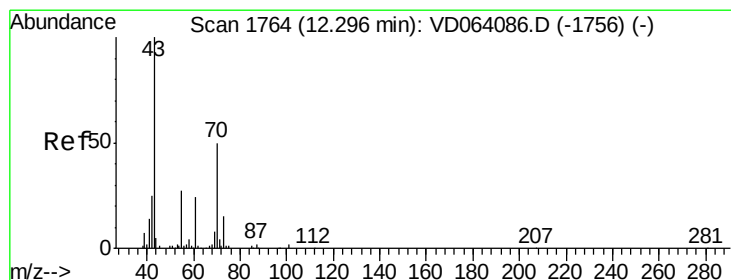
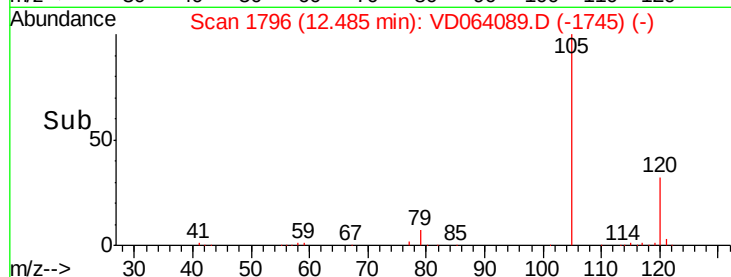
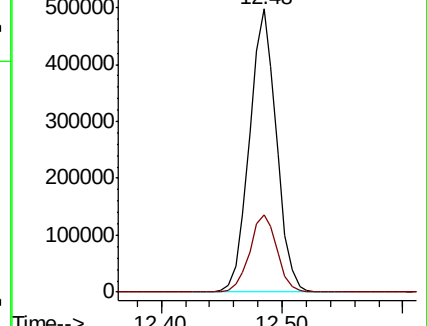
105 100

120 27.6 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.060 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Tgt Ion: 43 Resp: 125323

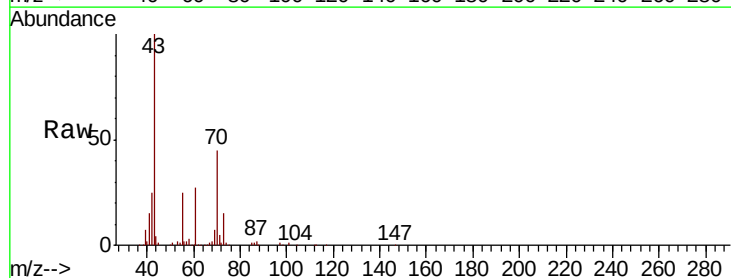
Ion Ratio Lower Upper

43 100

70 46.8 38.6 58.0

55 24.1 20.4 30.6

61 26.0 20.8 31.2

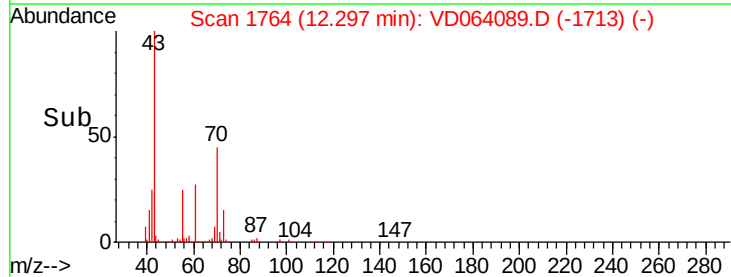
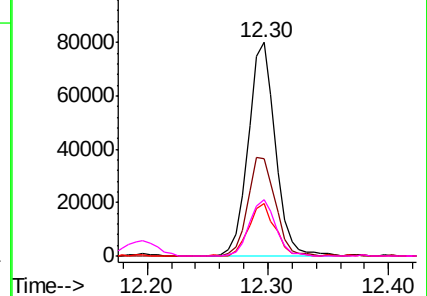


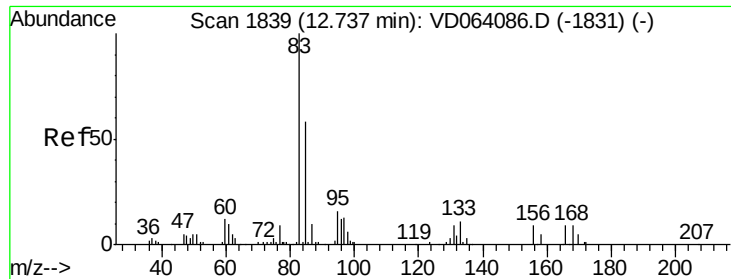
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.898 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

ClientSampleId :

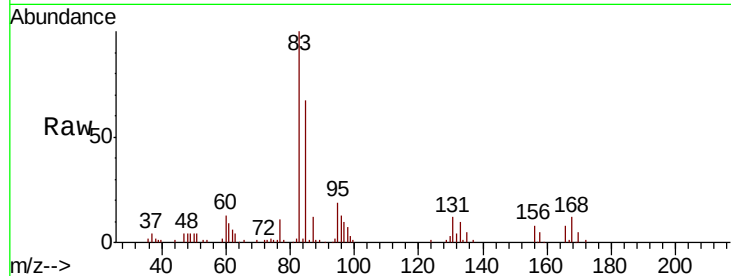
Tot Ion: 83 Resp: 109578

Ion Ratio Lower Upper

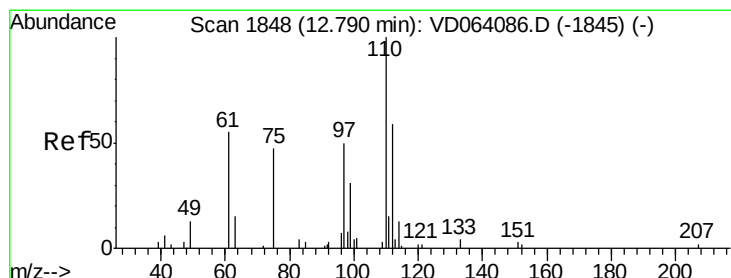
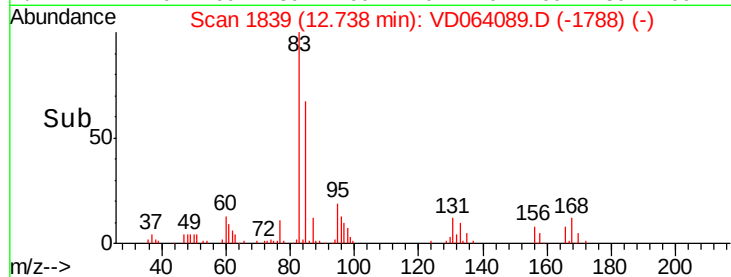
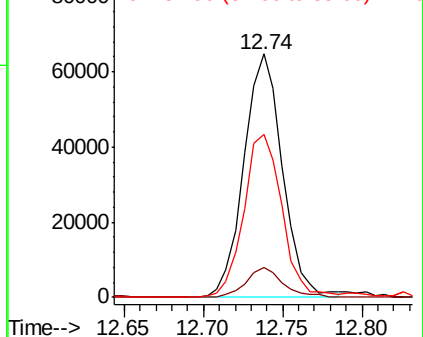
83 100

131 11.7 5.7 17.0

85 66.2 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: 103.213 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064089.D

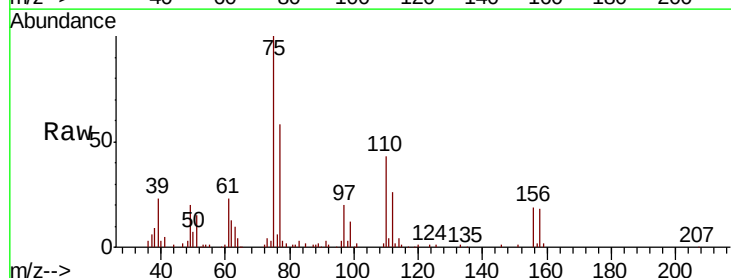
Acq: 29 Oct 2019 15:09

Tgt Ion: 75 Resp: 141893

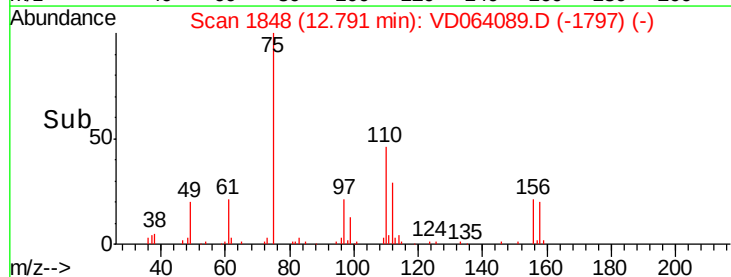
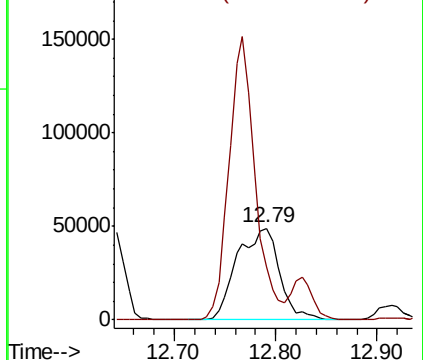
Ion Ratio Lower Upper

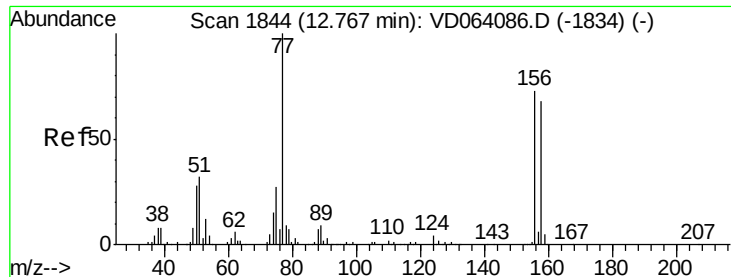
75 100

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: 52.603 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

ClientSampleId :

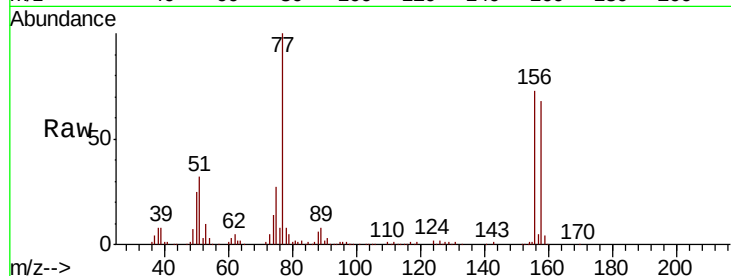
Tot Ion:156 Resp: 180568

Ion Ratio Lower Upper

156 100

77 150.8 76.0 228.0

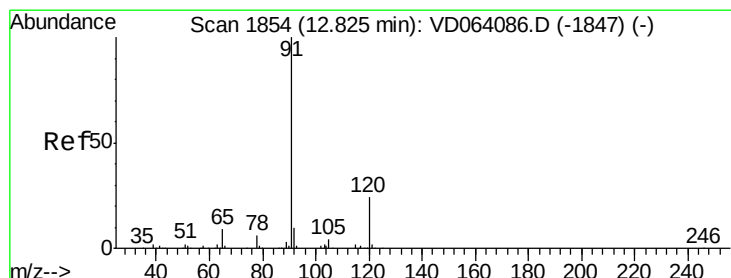
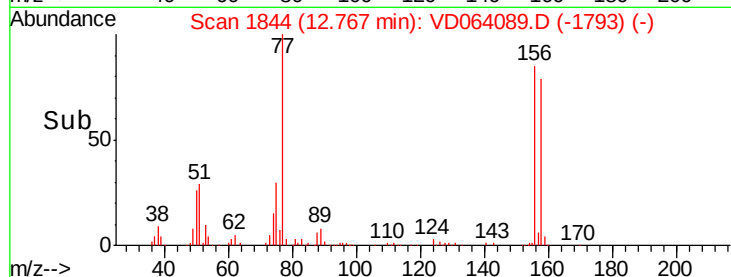
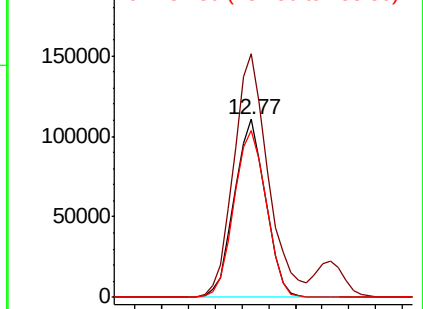
158 96.2 47.6 142.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.873 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064089.D

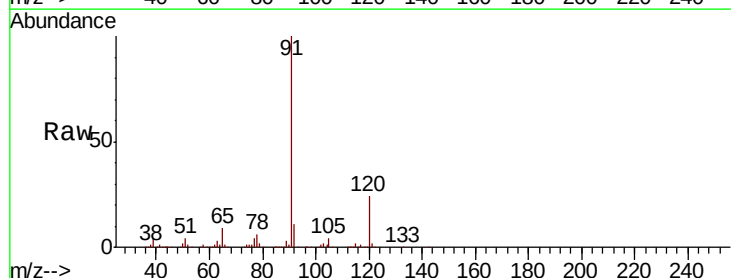
Acq: 29 Oct 2019 15:09

Tgt Ion: 91 Resp: 914242

Ion Ratio Lower Upper

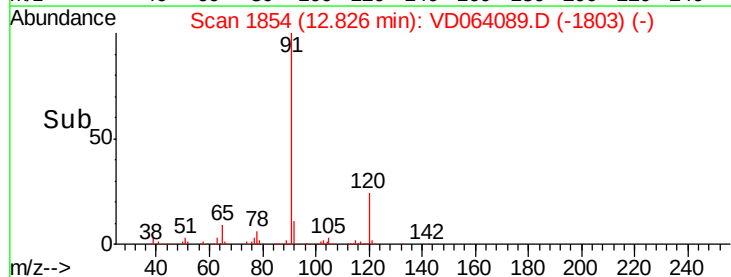
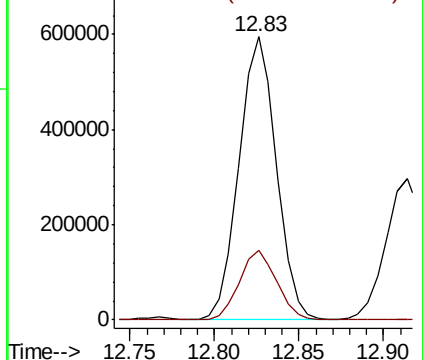
91 100

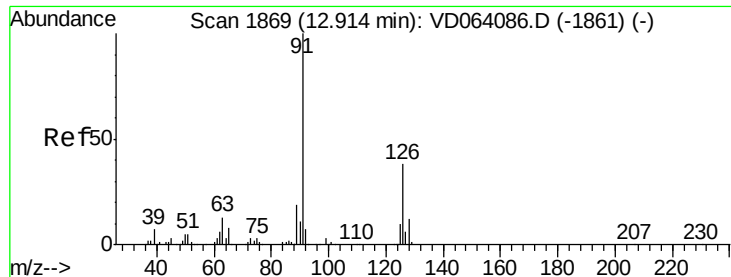
120 24.5 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

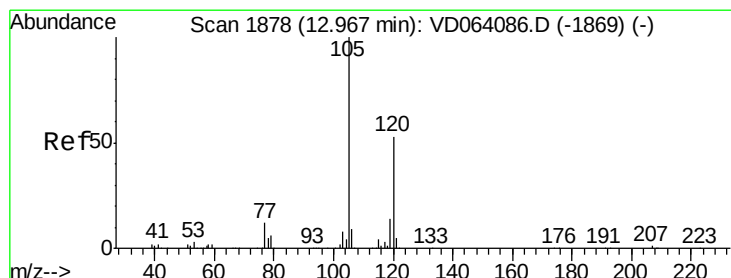
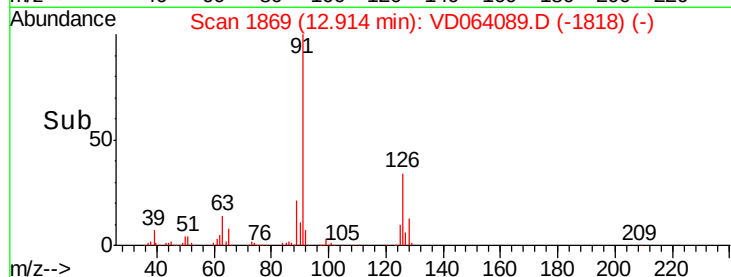
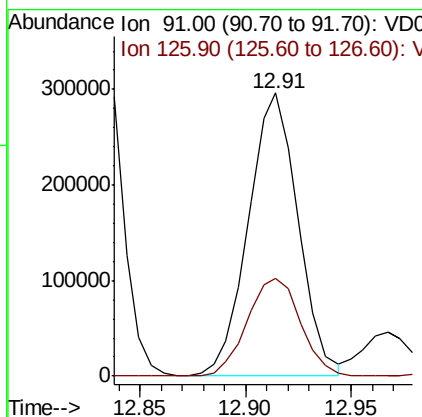
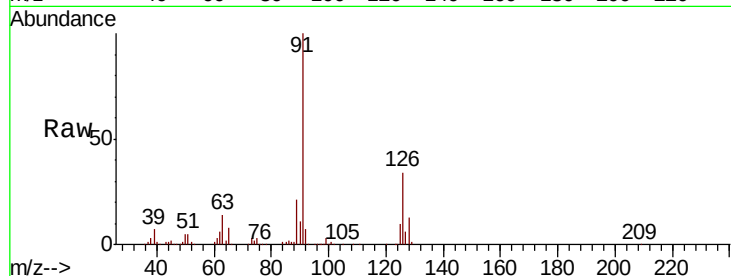




#79
2-Chlorotoluene
Concen: 54.039 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

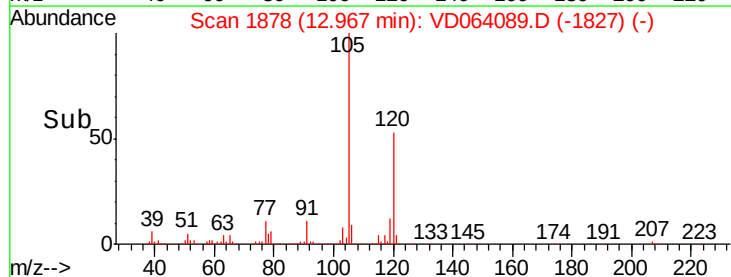
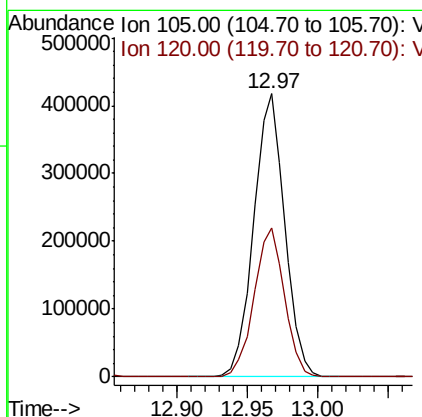
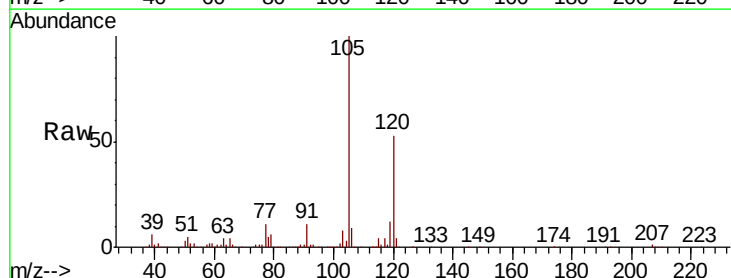
Instrument :
MSVOA_D
ClientSampleId :

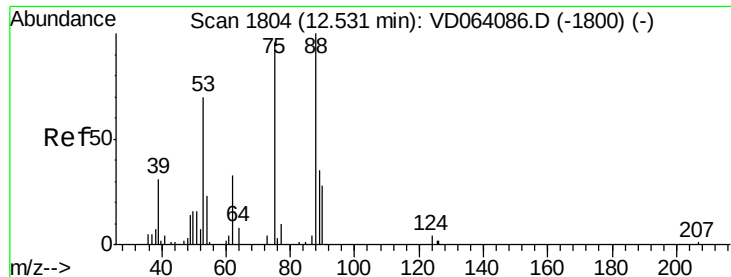
Tot Ion: 91 Resp: 482634
Ion Ratio Lower Upper
91 100
126 37.2 19.1 57.1



#80
1,3,5-Trimethylbenzene
Concen: 54.187 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion: 105 Resp: 644765
Ion Ratio Lower Upper
105 100
120 51.5 25.8 77.4

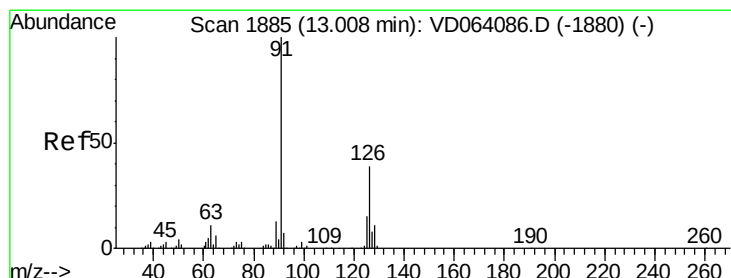
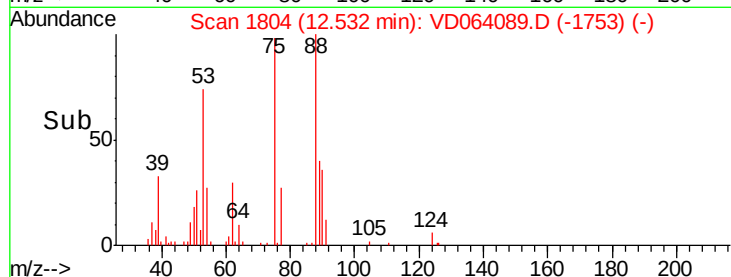
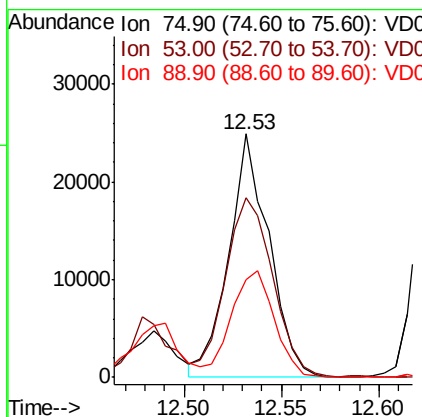
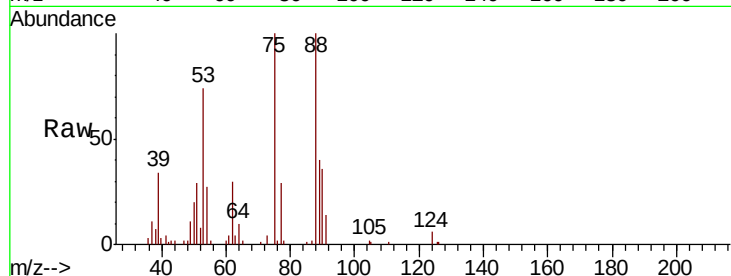




#81
trans-1,4-Dichloro-2-butene
Concen: 52.696 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

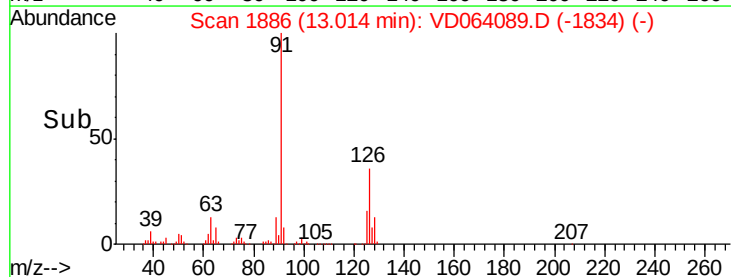
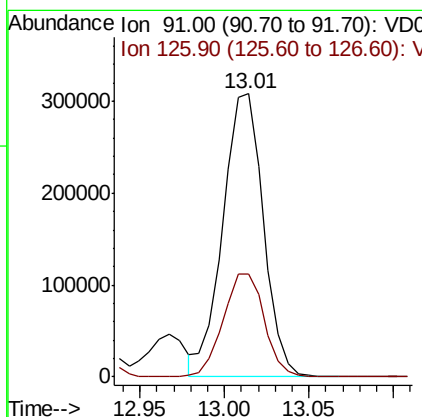
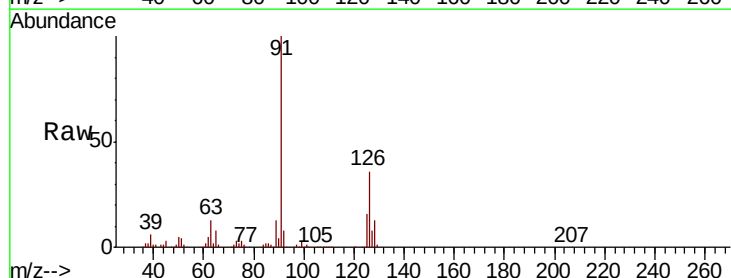
Instrument :
MSVOA_D
ClientSampleId :

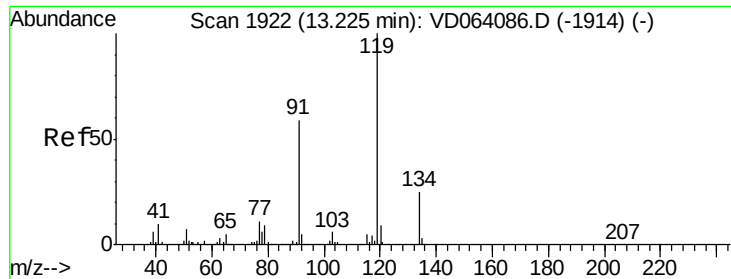
Tot Ion: 75 Resp: 35473
Ion Ratio Lower Upper
75 100
53 87.6 68.6 103.0
89 46.9 36.9 55.3



#82
4-Chlorotoluene
Concen: 53.860 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion: 91 Resp: 514001
Ion Ratio Lower Upper
91 100
126 36.8 18.9 56.5

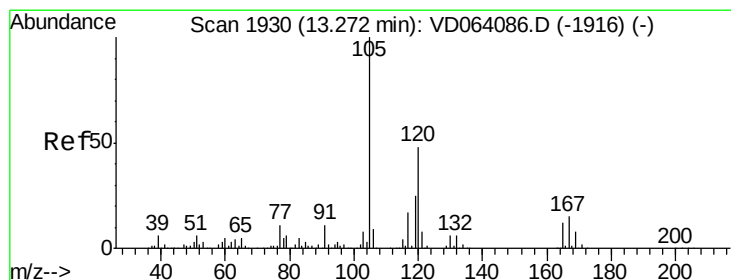
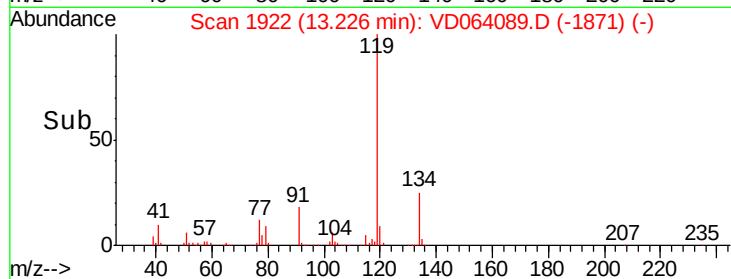
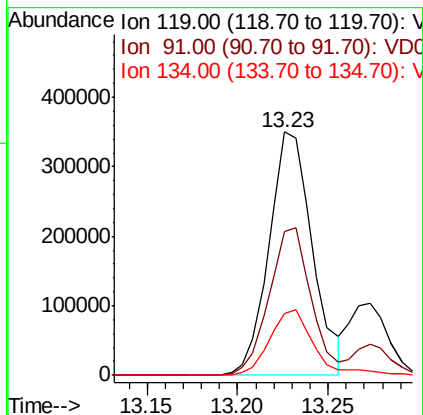
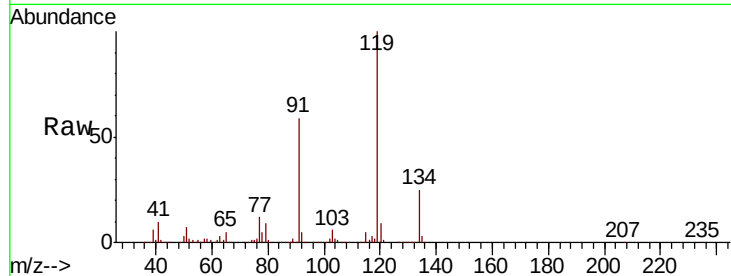




#83
 tert-Butylbenzene
 Concen: 54.723 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

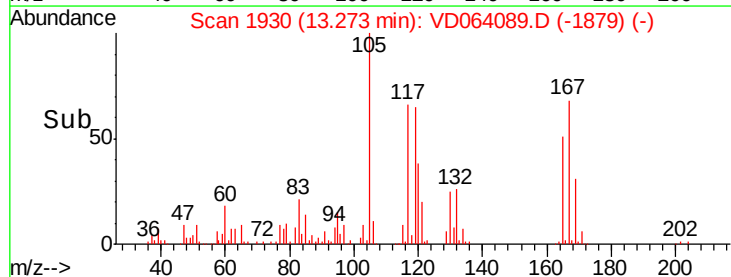
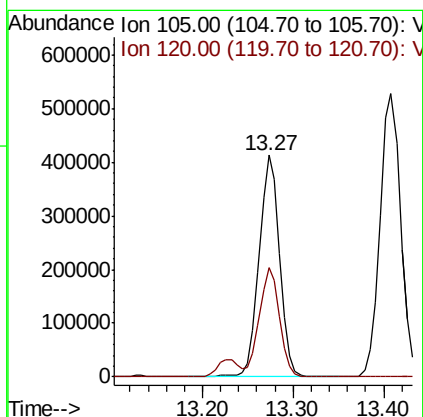
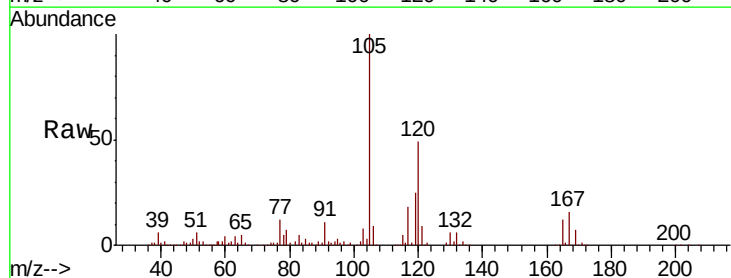
Instrument :
 MSVOA_D
 ClientSampleId :

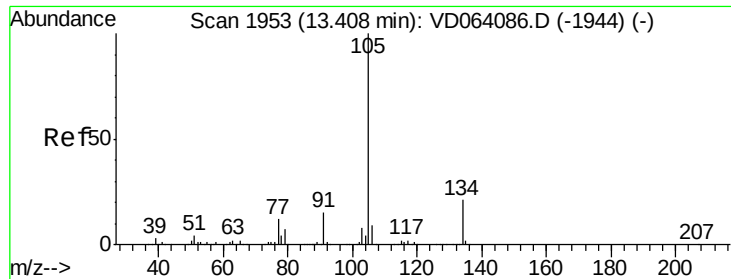
Tot Ion:119 Resp: 584835
 Ion Ratio Lower Upper
 119 100
 91 58.6 28.3 85.0
 134 27.6 12.9 38.6



#84
 1,2,4-Trimethylbenzene
 Concen: 54.271 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

Tgt Ion:105 Resp: 648709
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.1 72.4

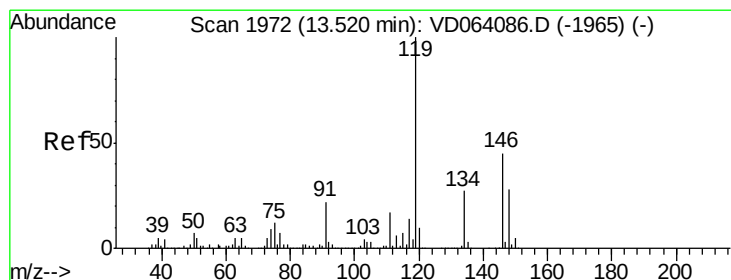
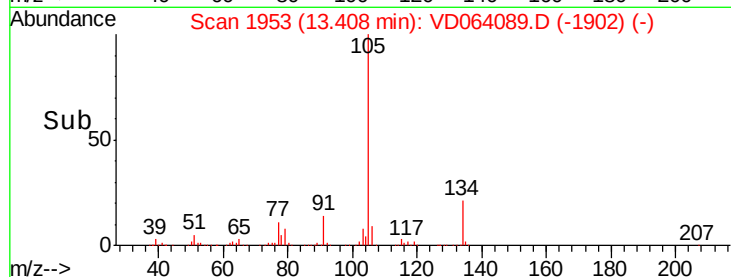
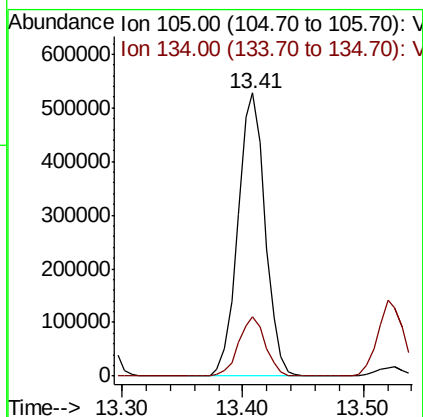
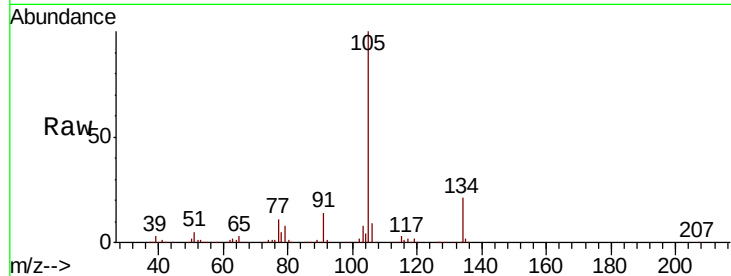




#85
 sec-Butylbenzene
 Concen: 56.416 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

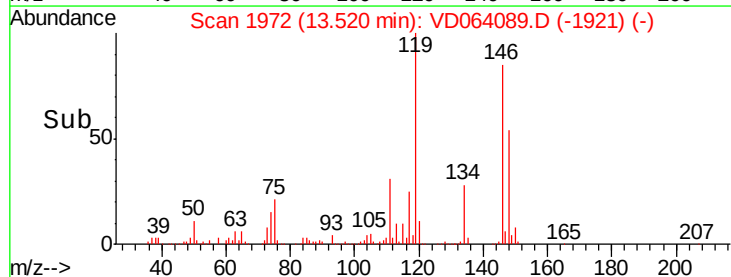
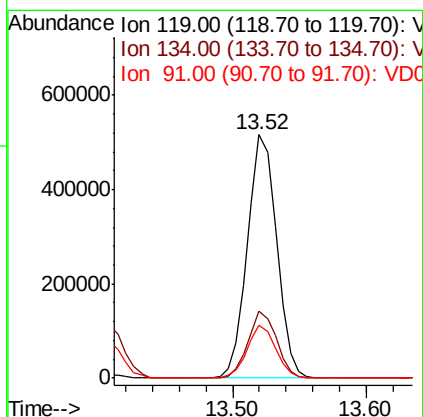
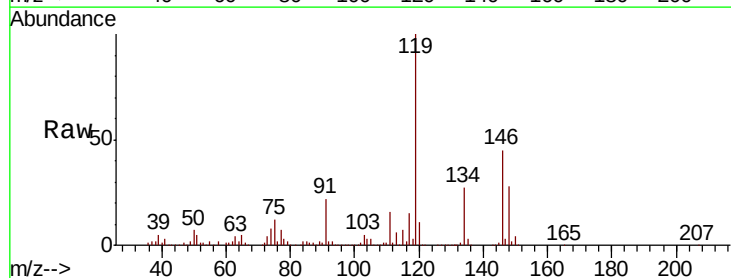
Instrument :
 MSVOA_D
 ClientSampleID :

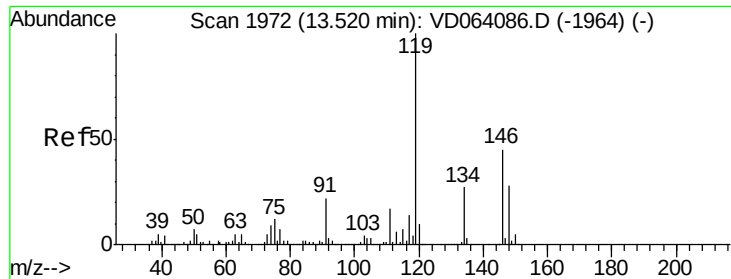
Tot Ion:105 Resp: 827988
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.4 31.2



#86
 p-Isopropyltoluene
 Concen: 56.447 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

Tgt Ion:119 Resp: 778392
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.6 40.8
 91 21.3 10.9 32.6

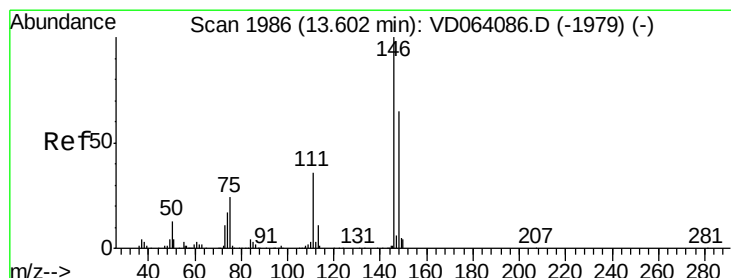
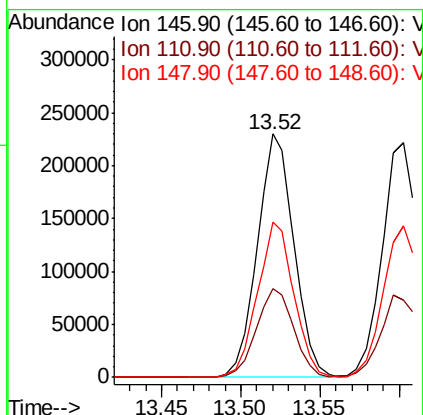
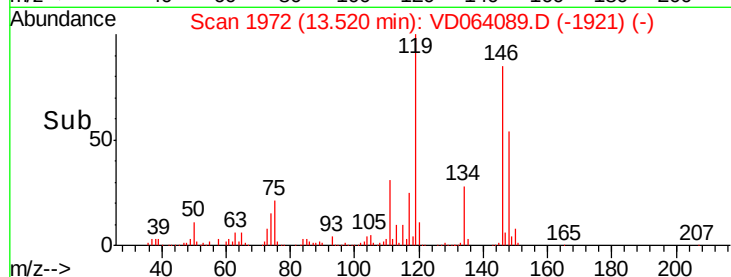
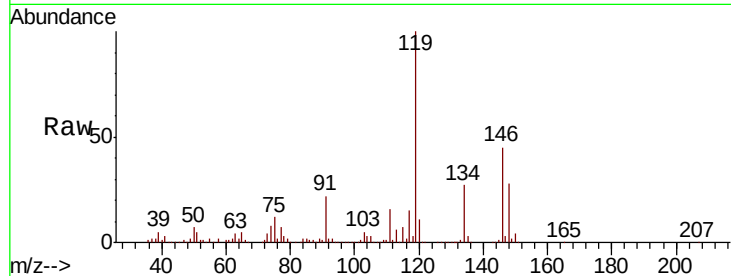




#87
 1,3-Dichlorobenzene
 Concen: 53.643 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

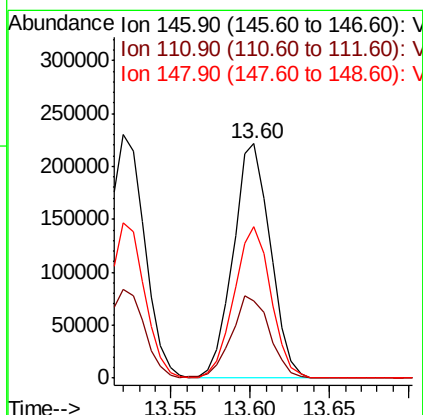
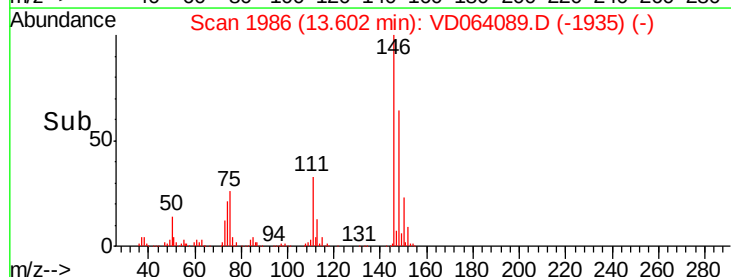
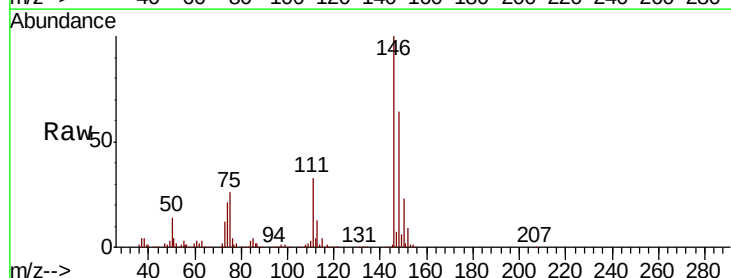
Instrument :
 MSVOA_D
 ClientSampleId :

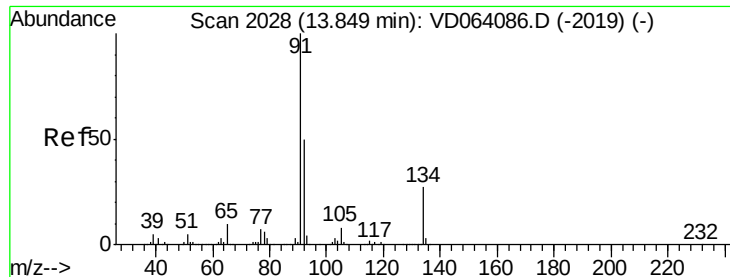
Tot Ion:146 Resp: 369010
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.9 56.9
 148 63.1 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 53.120 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

Tgt Ion:146 Resp: 360217
 Ion Ratio Lower Upper
 146 100
 111 35.9 18.4 55.4
 148 64.1 32.4 97.0

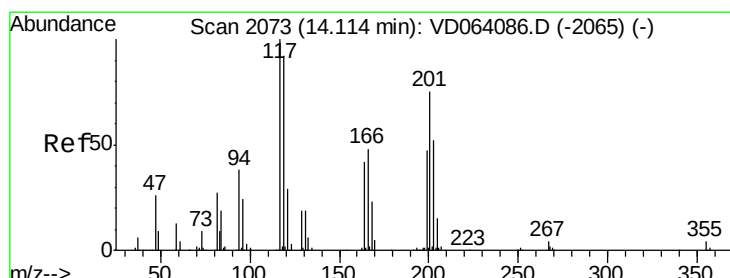
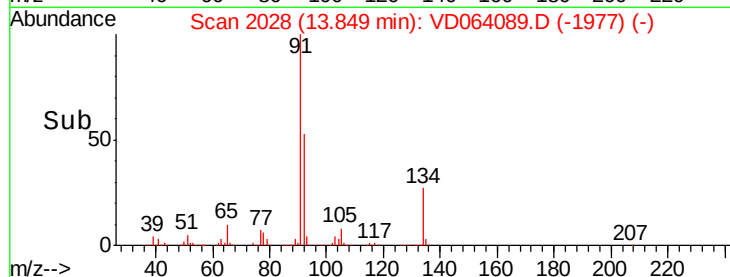
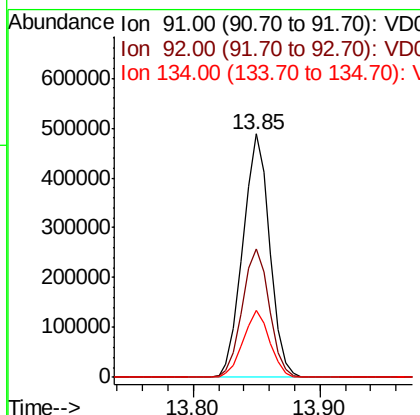
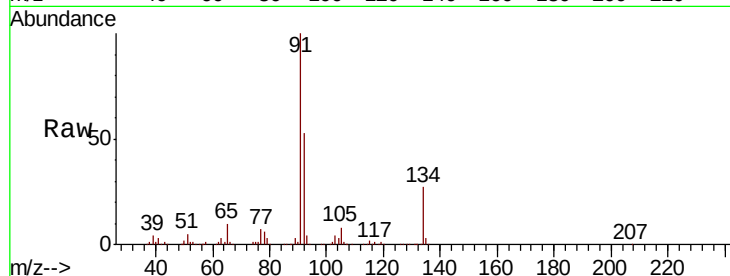




#89
n-Butylbenzene
Concen: 56.271 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

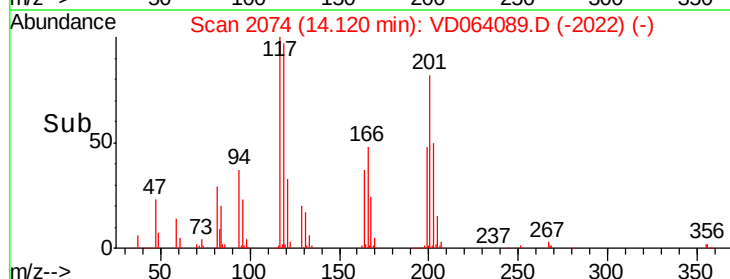
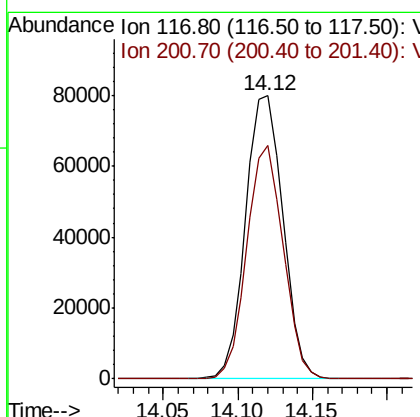
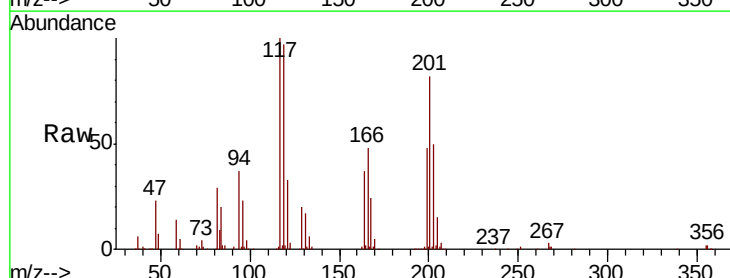
Instrument :
MSVOA_D
ClientSampled :

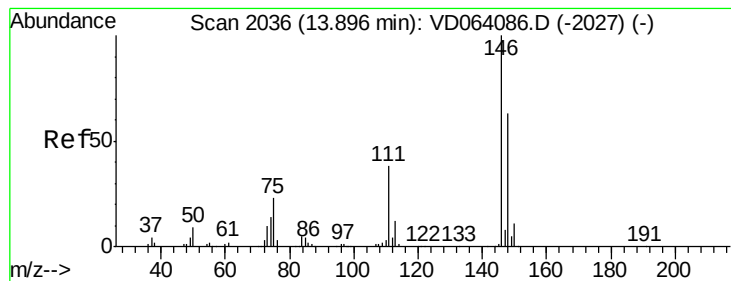
Tot Ion: 91 Resp: 715708
Ion Ratio Lower Upper
91 100
92 53.2 25.6 76.6
134 27.5 14.0 42.0



#90
Hexachloroethane
Concen: 53.731 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion: 117 Resp: 138721
Ion Ratio Lower Upper
117 100
201 80.2 38.4 115.2





#91

1,2-Dichlorobenzene

Concen: 52.498 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

ClientSampleId :

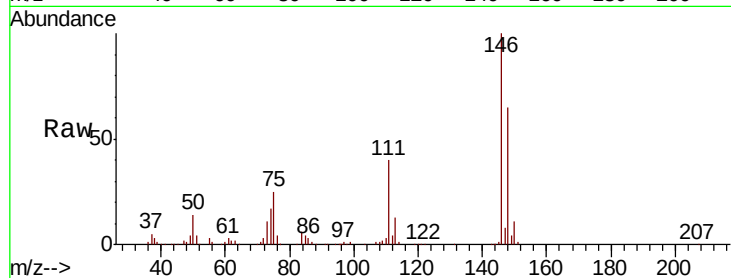
Tot Ion:146 Resp: 310798

Ion Ratio Lower Upper

146 100

111 38.8 19.1 57.1

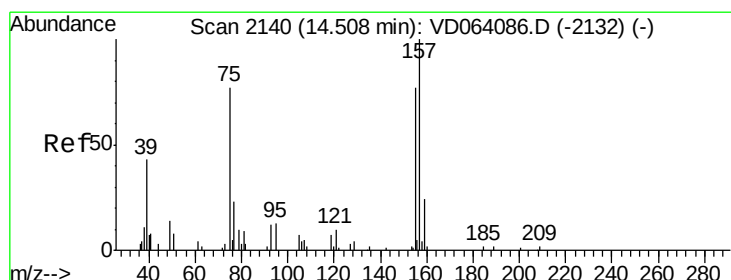
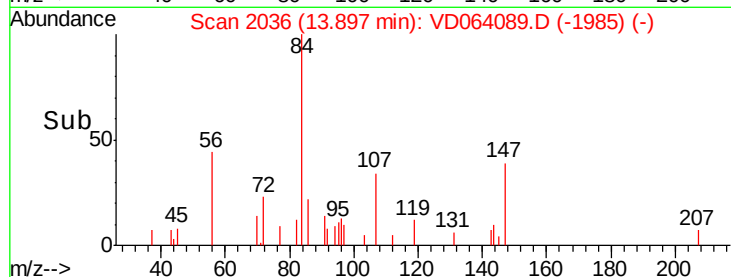
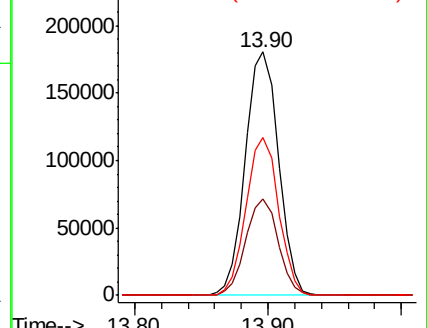
148 63.6 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.563 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.01 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

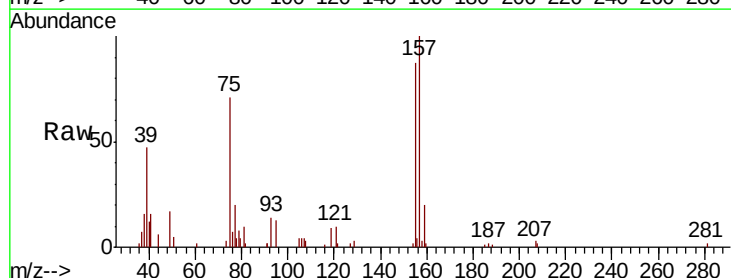
Tgt Ion: 75 Resp: 16221

Ion Ratio Lower Upper

75 100

155 104.4 56.3 168.9

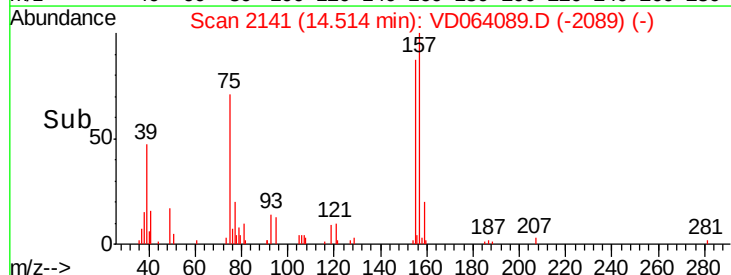
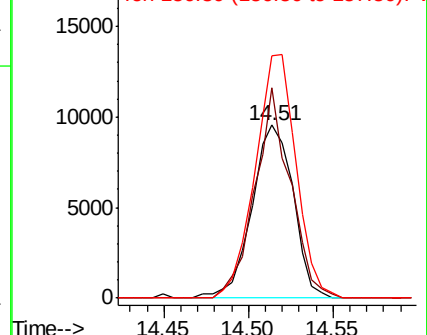
157 139.6 72.2 216.6

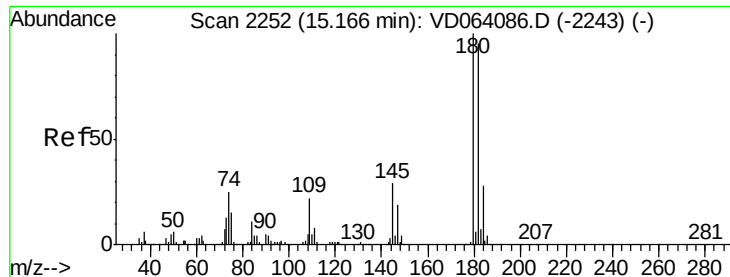


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

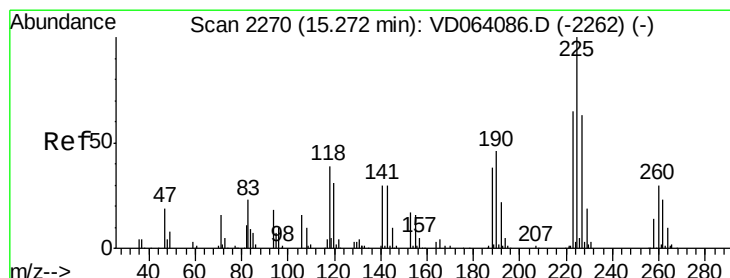
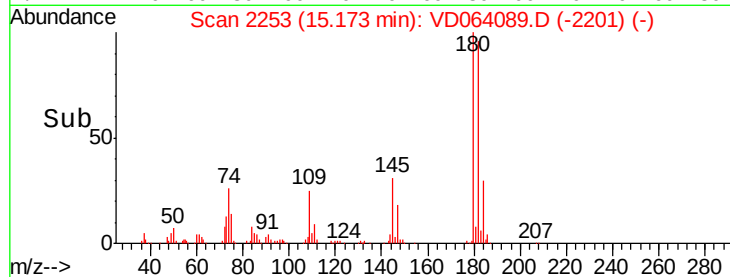
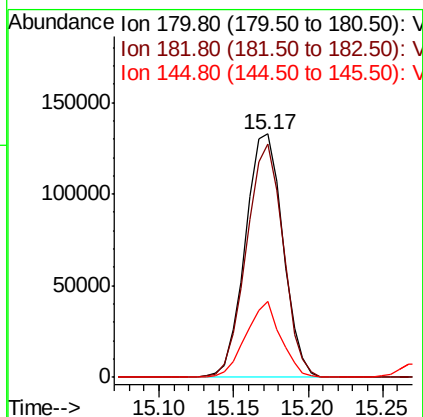
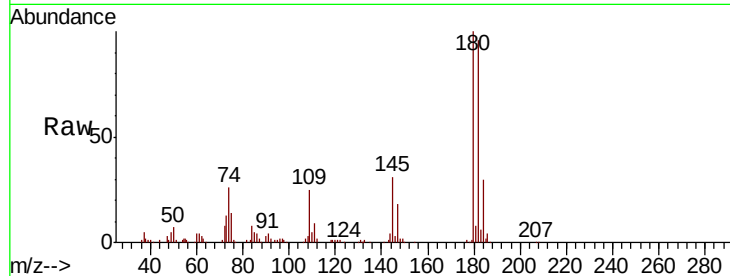




#93
 1,2,4-Trichlorobenzene
 Concen: 54.507 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

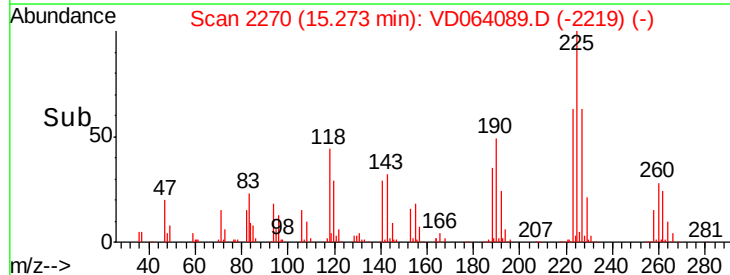
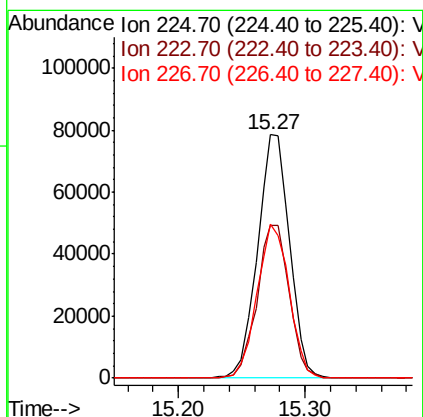
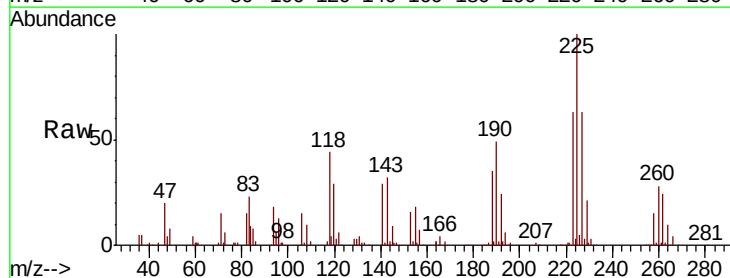
Instrument :
 MSVOA_D
 ClientSampleId :

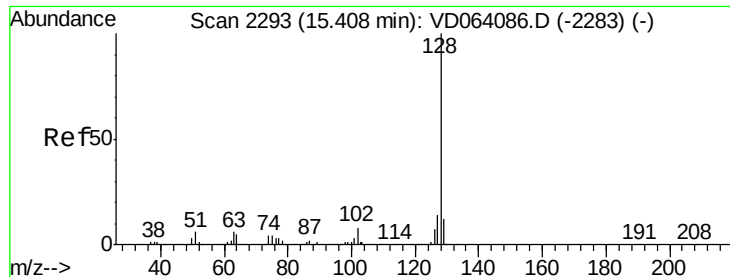
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	46.9	140.7
145	28.8	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 55.530 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	30.8	92.3
227	63.3	31.7	95.1





#95

Naphthalene

Concen: 54.856 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

ClientSampled :

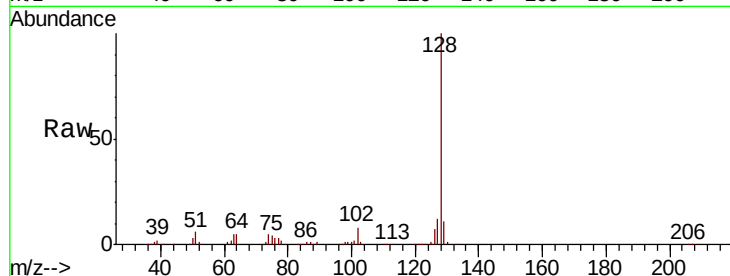
Tot Ion:128 Resp: 380714

Ion Ratio Lower Upper

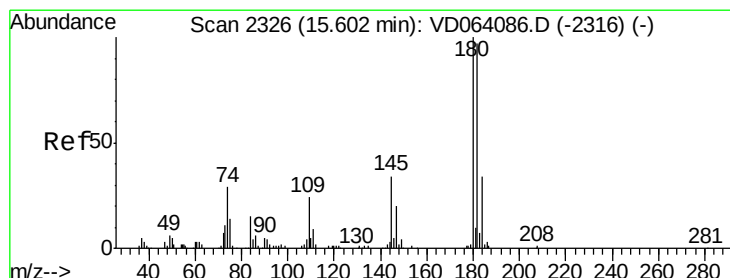
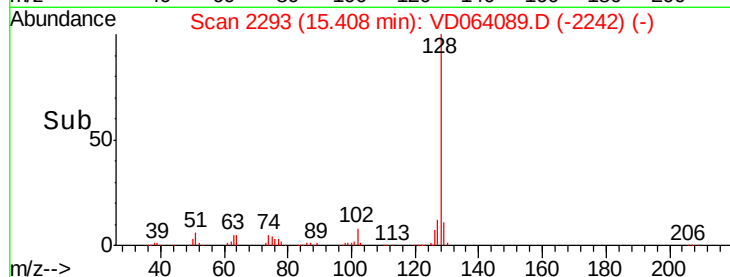
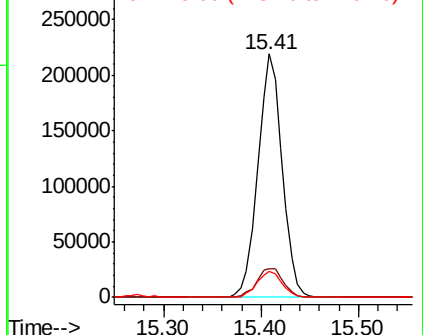
128 100

127 13.1 10.9 16.3

129 11.0 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: 53.850 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

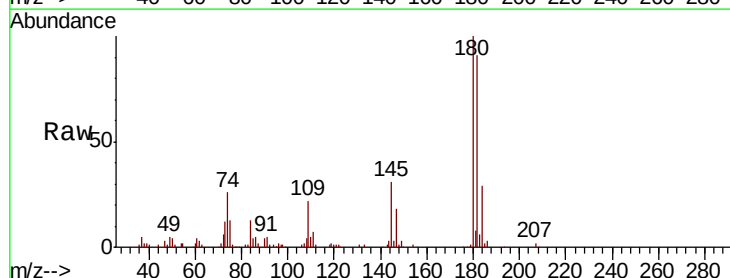
Tgt Ion:180 Resp: 198492

Ion Ratio Lower Upper

180 100

182 94.3 48.4 145.0

145 30.0 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

