

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102919\
 Data File : VD064085.D
 Acq On : 29 Oct 2019 13:09
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 30 07:37:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 07:33:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	211623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	312065	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	295626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	161129	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	33453	19.88	ug/l	0.00
Spiked Amount			Recovery	=	39.76%	
35) Dibromofluoromethane	7.92	113	38373	19.99	ug/l	0.00
Spiked Amount			Recovery	=	39.98%	
50) Toluene-d8	10.34	98	157039	20.45	ug/l	0.00
Spiked Amount			Recovery	=	40.90%	
62) 4-Bromofluorobenzene	12.64	95	49499	19.45	ug/l	0.00
Spiked Amount			Recovery	=	38.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	47299	21.888	ug/l	96
3) Chloromethane	2.21	50	78115	21.666	ug/l	96
4) Vinyl Chloride	2.35	62	84805	21.690	ug/l	98
5) Bromomethane	2.76	94	52673	20.672	ug/l	92
6) Chloroethane	2.92	64	53516	22.037	ug/l	92
7) Trichlorofluoromethane	3.27	101	118187	21.958	ug/l	99
8) Diethyl Ether	3.70	74	17445	18.647	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	41522	21.407	ug/l	98
10) Methyl Iodide	4.29	142	48031	19.987	ug/l	99
11) Tert butyl alcohol	5.25	59	7877	55.522	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	37611	20.488	ug/l	89
13) Acrolein	3.93	56	9911	92.355	ug/l	98
14) Allyl chloride	4.71	41	43945	20.453	ug/l	98
15) Acrylonitrile	5.43	53	34083	98.625	ug/l	99
16) Acetone	4.17	43	28411	88.720	ug/l	99
17) Carbon Disulfide	4.40	76	118205	20.954	ug/l #	94
18) Methyl Acetate	4.72	43	16067	18.862	ug/l #	71
19) Methyl tert-butyl Ether	5.49	73	72877	19.564	ug/l	96
20) Methylene Chloride	4.96	84	46424	20.289	ug/l #	87
21) trans-1,2-Dichloroethene	5.48	96	43510	21.114	ug/l	98
22) Diisopropyl ether	6.37	45	94408	19.840	ug/l	96
23) Vinyl Acetate	6.31	43	270886	101.701	ug/l	95
24) 1,1-Dichloroethane	6.26	63	67647	21.052	ug/l	97
25) 2-Butanone	7.22	43	43806	98.950	ug/l	93
26) 2,2-Dichloropropane	7.21	77	61892	20.294	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	46652	20.232	ug/l	97
28) Bromochloromethane	7.55	49	18087	15.431	ug/l	97
29) Tetrahydrofuran	7.58	42	24759	95.826	ug/l	96
30) Chloroform	7.71	83	74875	20.364	ug/l	95
31) Cyclohexane	7.98	56	63162	20.176	ug/l	91
32) 1,1,1-Trichloroethane	7.91	97	71058	20.761	ug/l	97
36) 1,1-Dichloropropene	8.11	75	60722	20.766	ug/l	95
37) Ethyl Acetate	7.30	43	18562	20.623	ug/l #	94
38) Carbon Tetrachloride	8.10	117	68322	21.415	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102919\
 Data File : VD064085.D
 Acq On : 29 Oct 2019 13:09
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 30 07:37:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 07:33:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	71746	19.987	ug/l	91
40) Benzene	8.35	78	162544	20.384	ug/l	99
41) Methacrylonitrile	7.53	41	9120	14.931	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	42910	20.372	ug/l	100
43) Isopropyl Acetate	8.46	43	34591	19.017	ug/l	95
44) Trichloroethene	9.12	130	49385	20.434	ug/l	99
45) 1,2-Dichloropropane	9.39	63	36157	19.566	ug/l	100
46) Dibromomethane	9.48	93	22197	19.944	ug/l	95
47) Bromodichloromethane	9.67	83	56183	20.010	ug/l	99
48) Methyl methacrylate	9.46	41	16733	19.893	ug/l	95
49) 1,4-Dioxane	9.47	88	5262	413.033	ug/l #	59
51) 4-Methyl-2-Pentanone	10.23	43	96425	97.375	ug/l	100
52) Toluene	10.41	92	112575	20.145	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	51191	19.531	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	61292	19.877	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	31483	19.952	ug/l	96
56) Ethyl methacrylate	10.67	69	33746	19.695	ug/l	96
57) 1,3-Dichloropropane	10.95	76	51917	19.894	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	66135	95.665	ug/l	99
59) 2-Hexanone	10.99	43	68011	96.371	ug/l	97
60) Dibromochloromethane	11.14	129	42088	19.651	ug/l	99
61) 1,2-Dibromoethane	11.25	107	32601	20.657	ug/l	98
64) Tetrachloroethene	10.88	164	45095	21.233	ug/l	93
65) Chlorobenzene	11.67	112	125863	20.605	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.75	131	45506	19.910	ug/l	96
67) Ethyl Benzene	11.75	91	221322	20.371	ug/l	98
68) m/p-Xylenes	11.86	106	180830	41.380	ug/l	100
69) o-Xylene	12.18	106	81623	20.466	ug/l	98
70) Styrene	12.20	104	136822	19.891	ug/l	97
71) Bromoform	12.36	173	24906	20.404	ug/l #	100
73) Isopropylbenzene	12.48	105	232998	20.809	ug/l	100
74) N-amyl acetate	12.30	43	35852	19.274	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	35065	19.868	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	41032	20.525	ug/l #	100
77) Bromobenzene	12.76	156	52558	19.441	ug/l	95
78) n-propylbenzene	12.83	91	264474	20.156	ug/l	99
79) 2-Chlorotoluene	12.91	91	140767	20.013	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	184045	19.640	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	10385	19.589	ug/l	96
82) 4-Chlorotoluene	13.01	91	148392	19.744	ug/l	100
83) tert-Butylbenzene	13.23	119	169076	20.088	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	189619	20.143	ug/l	98
85) sec-Butylbenzene	13.41	105	231953	20.068	ug/l	96
86) p-Isopropyltoluene	13.52	119	219238	20.187	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	111290	20.542	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	106286	19.902	ug/l	98
89) n-Butylbenzene	13.85	91	201858	20.152	ug/l	99
90) Hexachloroethane	14.12	117	40621	19.978	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	94492	20.267	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5456	21.168	ug/l	94

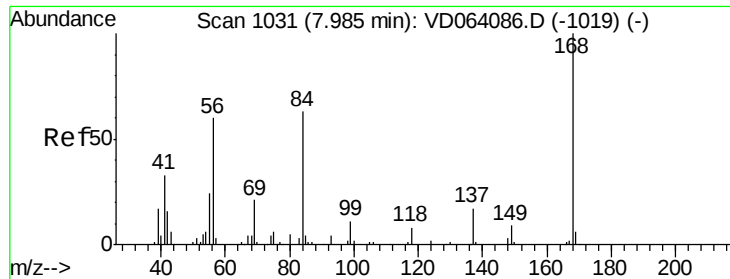
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102919\
Data File : VD064085.D
Acq On : 29 Oct 2019 13:09
Operator : VA/SY
Sample : VSTDIC020
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Oct 30 07:37:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 07:33:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	68615	20.473	ug/l	95
94) Hexachlorobutadiene	15.27	225	41715	21.297	ug/l	99
95) Naphthalene	15.41	128	106108	19.413	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	58021	19.987	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

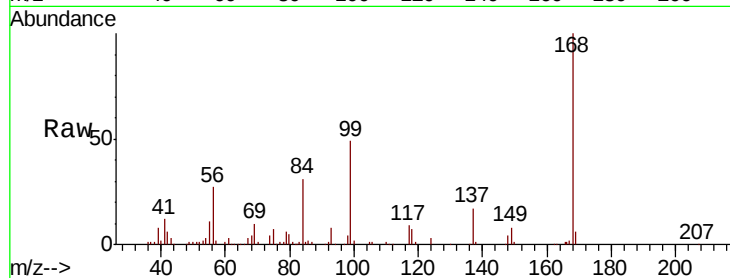
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 211623

Ion Ratio Lower Upper

168 100

99 48.8 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

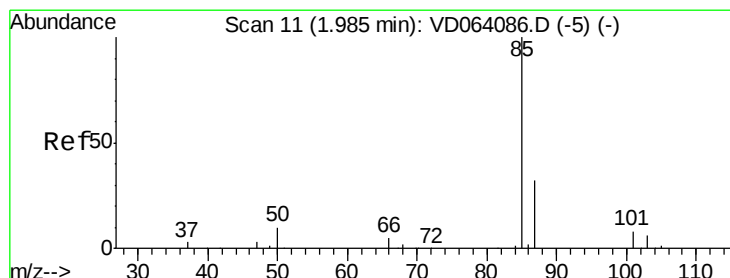
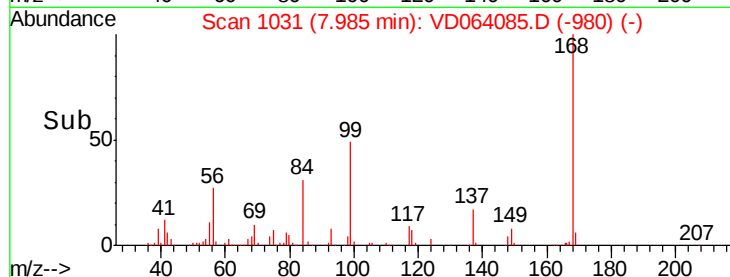
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.888 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064085.D

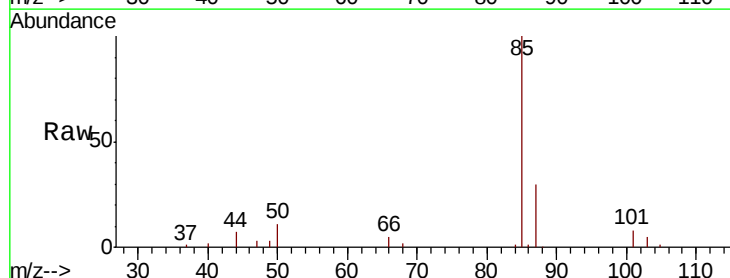
Acq: 29 Oct 2019 13:09

Tgt Ion: 85 Resp: 47299

Ion Ratio Lower Upper

85 100

87 29.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

30000

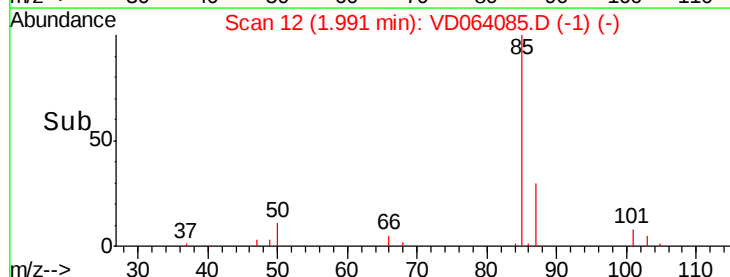
20000

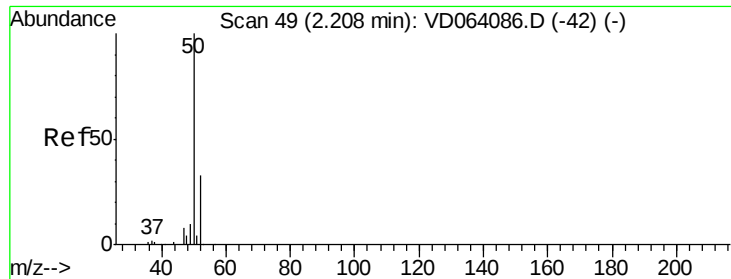
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.666 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

Instrument :

MSVOA_D

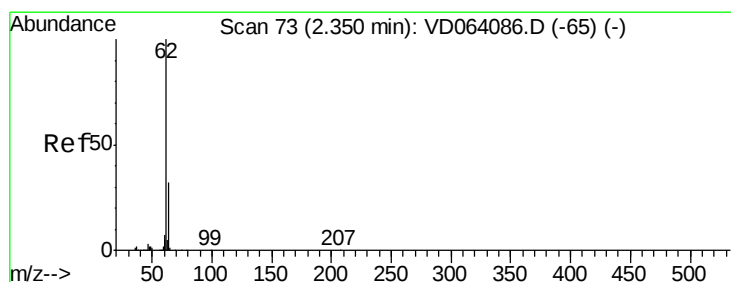
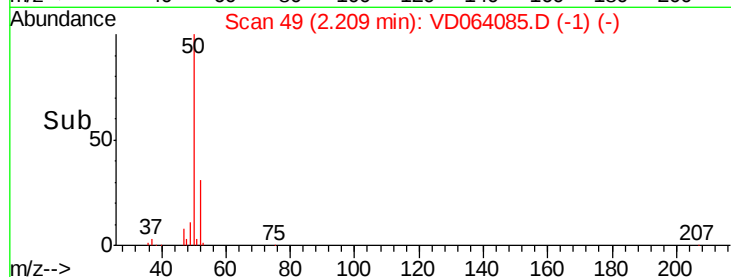
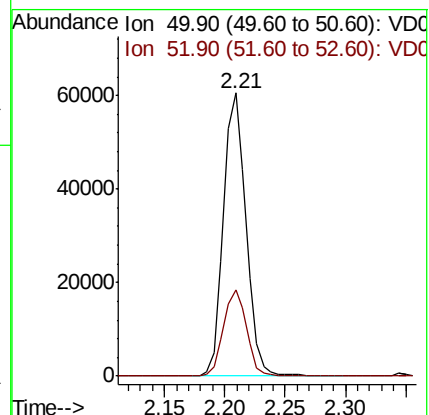
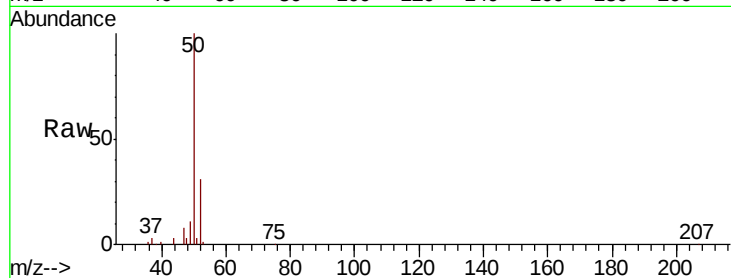
ClientSampleId :

Tot Ion: 50 Resp: 78115

Ion Ratio Lower Upper

50 100

52 30.6 26.5 39.7



#4

Vinyl Chloride

Concen: 21.690 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064085.D

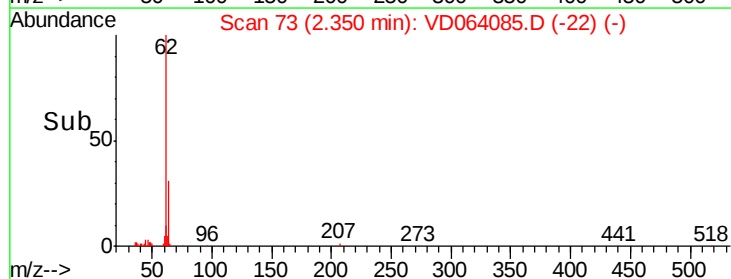
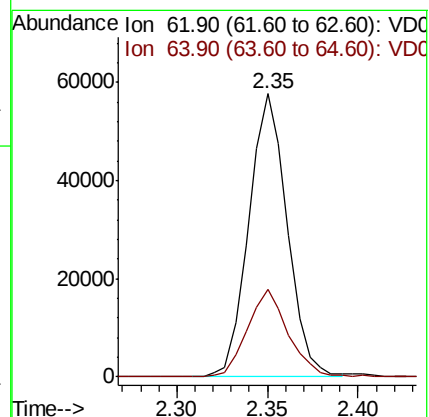
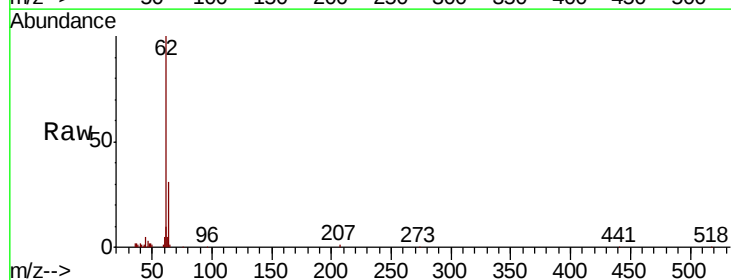
Acq: 29 Oct 2019 13:09

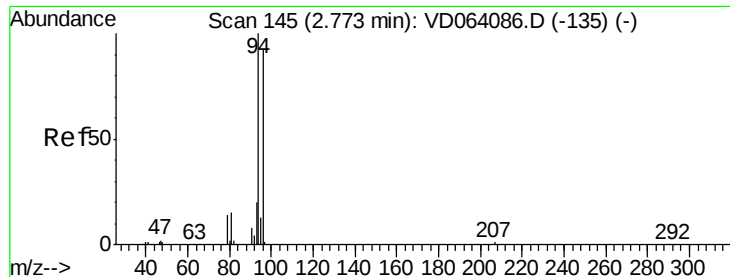
Tgt Ion: 62 Resp: 84805

Ion Ratio Lower Upper

62 100

64 30.9 25.6 38.4





#5

Bromomethane

Concen: 20.672 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

Instrument :

MSVOA_D

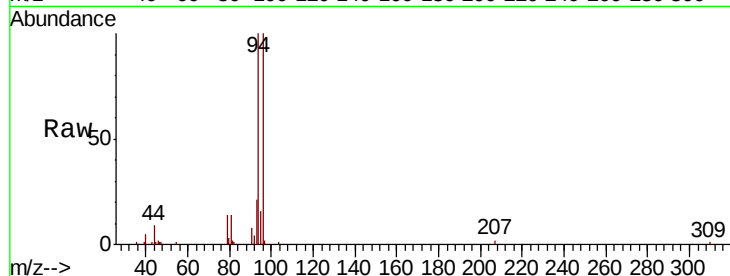
ClientSampleId :

Tot Ion: 94 Resp: 52673

Ion Ratio Lower Upper

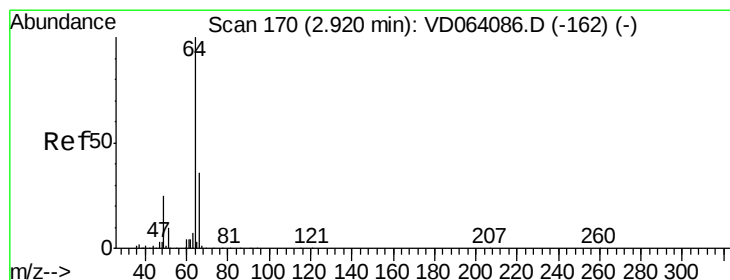
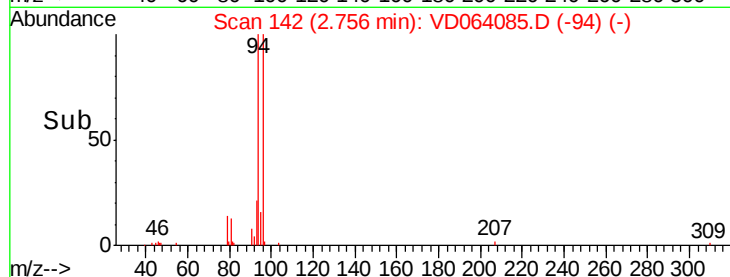
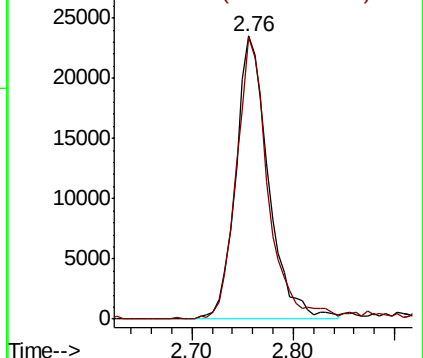
94 100

96 99.8 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: 22.037 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064085.D

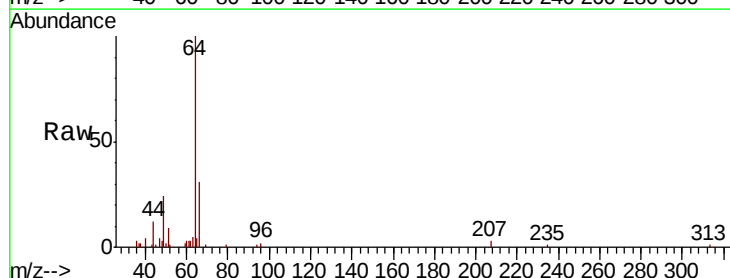
Acq: 29 Oct 2019 13:09

Tgt Ion: 64 Resp: 53516

Ion Ratio Lower Upper

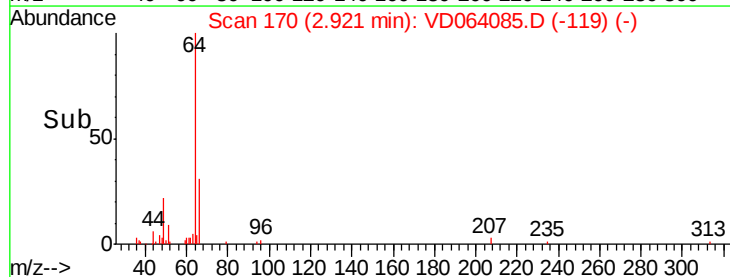
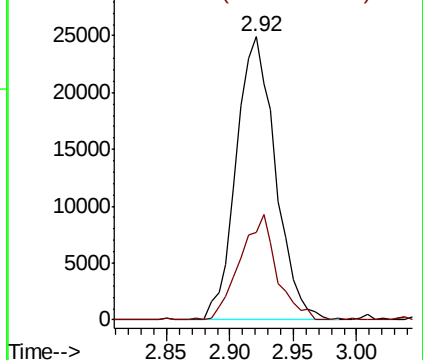
64 100

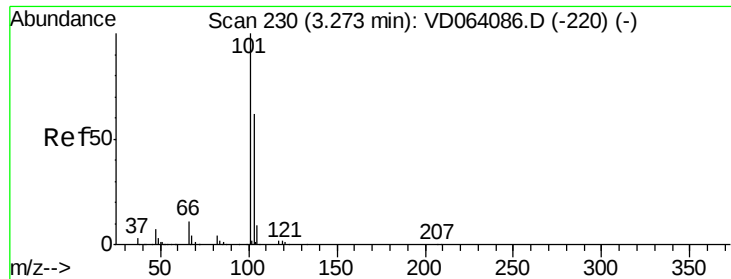
66 30.9 28.7 43.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 21.958 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

Instrument :

MSVOA_D

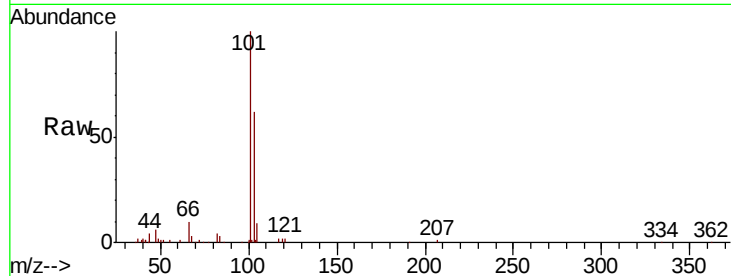
ClientSampleId :

Tot Ion:101 Resp: 118187

Ion Ratio Lower Upper

101 100

103 61.6 49.6 74.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.27

50000

40000

30000

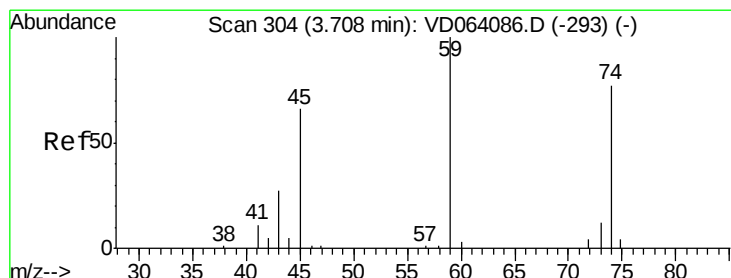
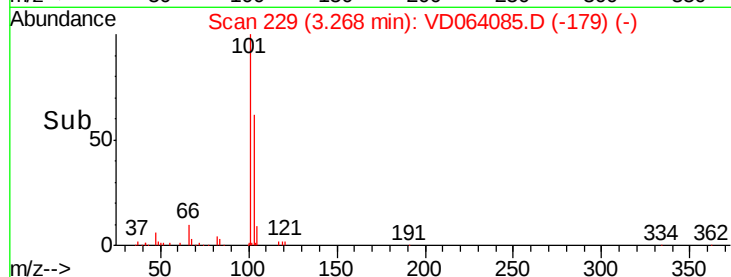
20000

10000

0

Time-->

3.20 3.30 3.40



#8

Diethyl Ether

Concen: 18.647 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD064085.D

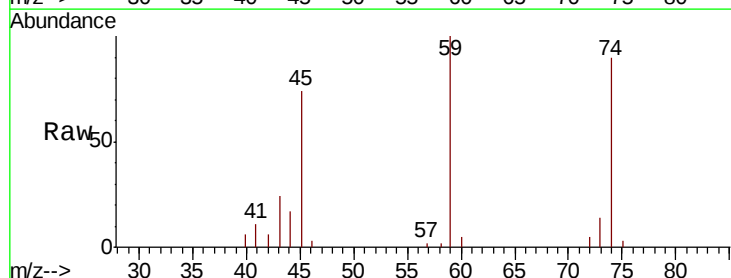
Acq: 29 Oct 2019 13:09

Tgt Ion: 74 Resp: 17445

Ion Ratio Lower Upper

74 100

45 91.3 44.1 132.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.70

8000

6000

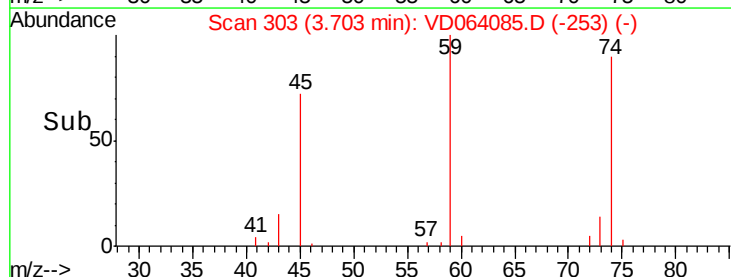
4000

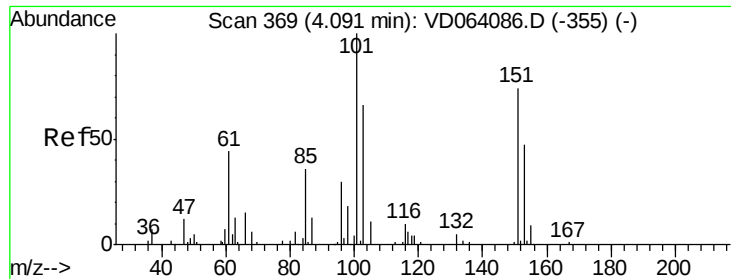
2000

0

Time-->

3.60 3.65 3.70 3.75 3.80





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.407 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

Instrument :

MSVOA_D

ClientSampled :

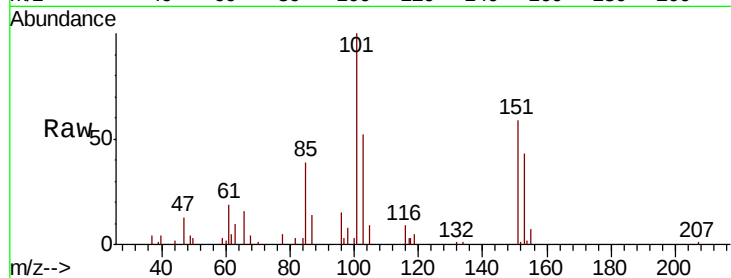
Tot Ion:101 Resp: 41522

Ion Ratio Lower Upper

101 100

85 44.2 35.3 52.9

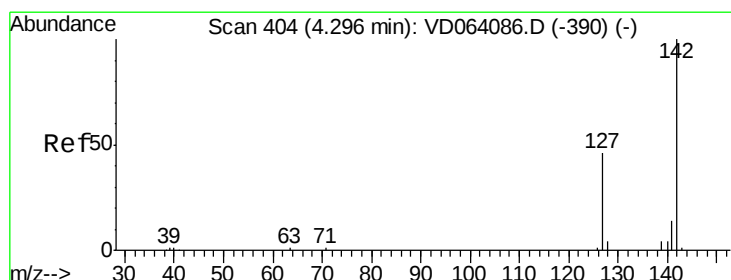
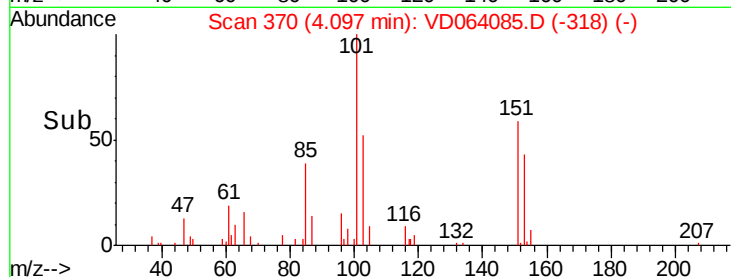
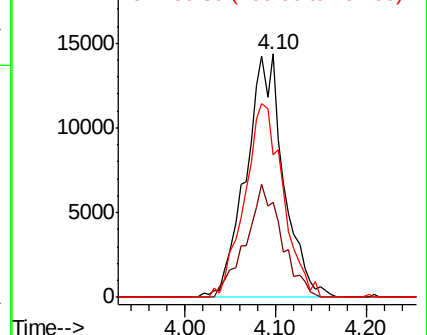
151 80.7 67.0 100.6



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: 19.987 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

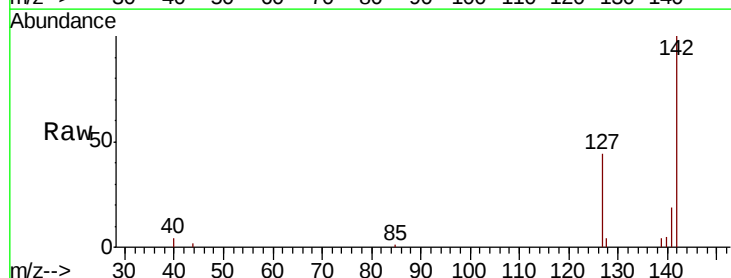
Tgt Ion:142 Resp: 48031

Ion Ratio Lower Upper

142 100

127 43.7 35.1 52.7

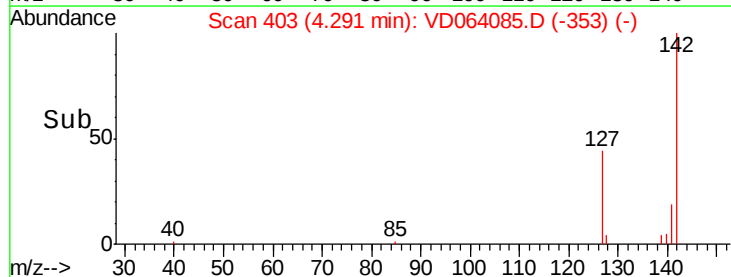
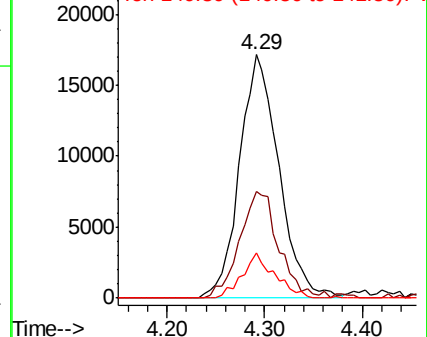
141 15.3 11.6 17.4

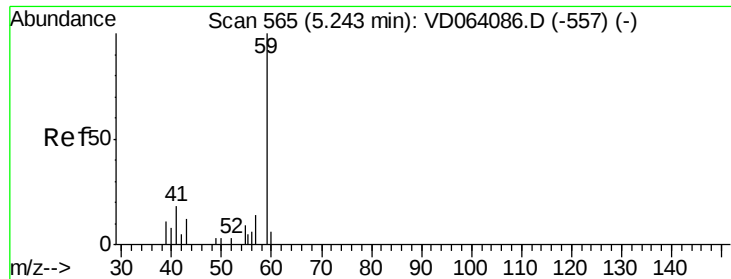


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



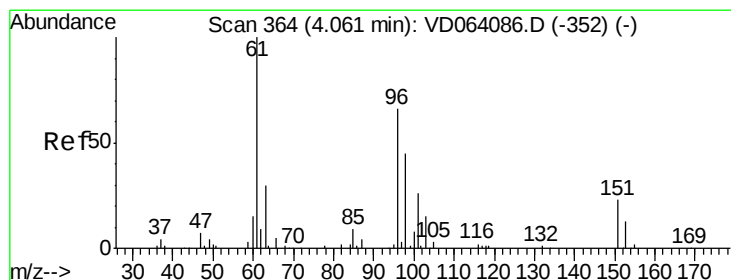
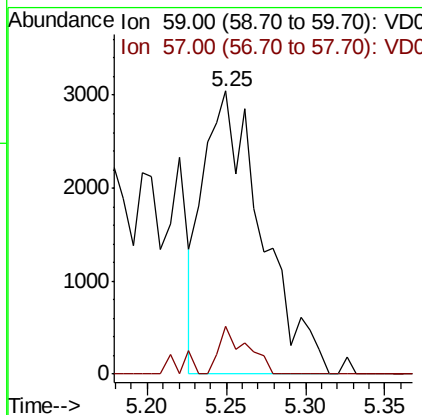
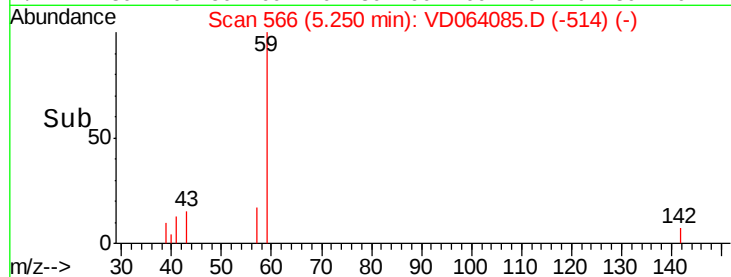
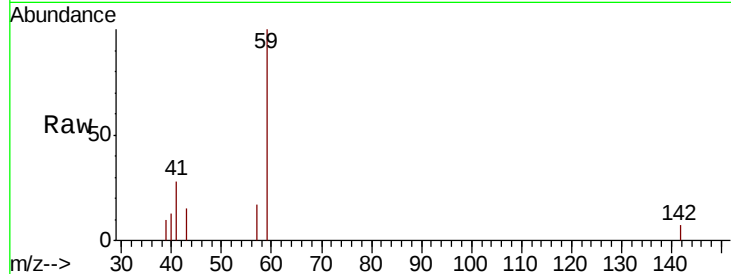


#11

Tert butyl alcohol
Concen: 55.522 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :

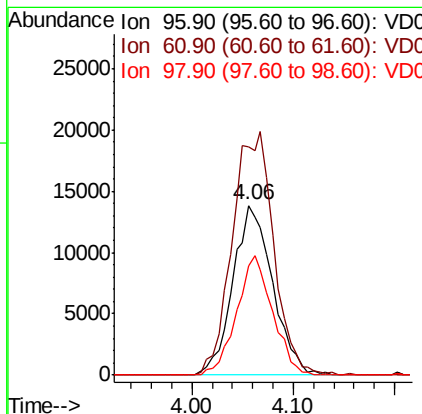
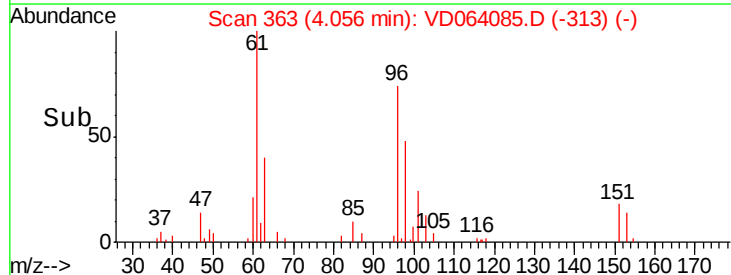
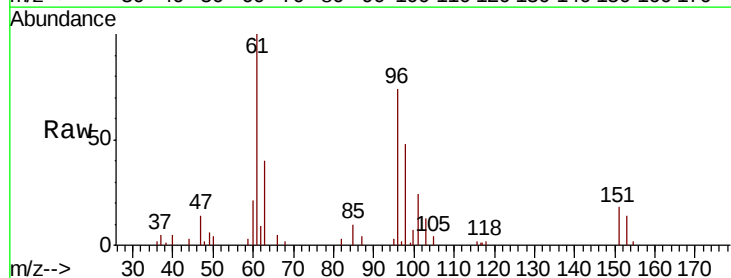
Tot Ion: 59 Resp: 7877
Ion Ratio Lower Upper
59 100
57 7.9 8.7 13.1#

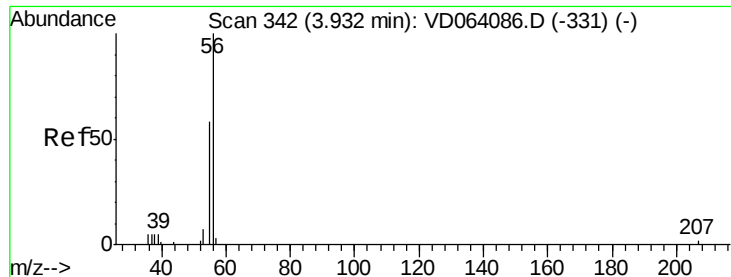


#12

1,1-Dichloroethene
Concen: 20.488 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

Tgt Ion: 96 Resp: 37611
Ion Ratio Lower Upper
96 100
61 134.3 121.8 182.6
98 64.4 55.4 83.0





#13

Acrolein

Concen: 92.355 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

Instrument :

MSVOA_D

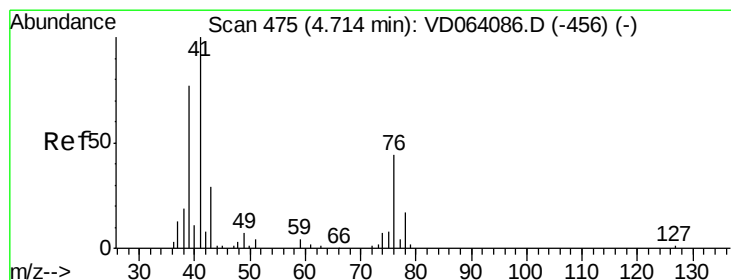
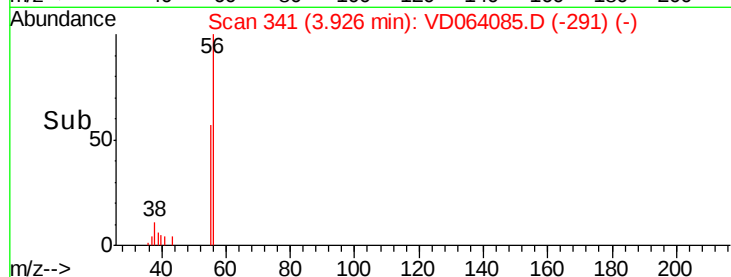
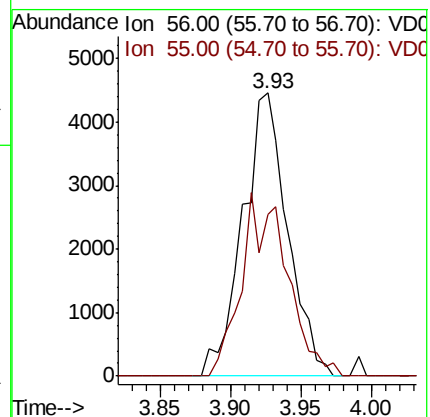
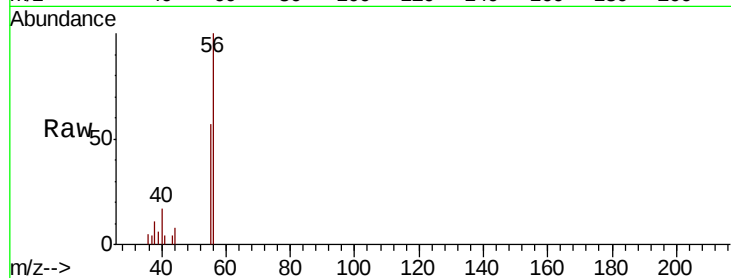
ClientSampleId :

Tot Ion: 56 Resp: 9911

Ion Ratio Lower Upper

56 100

55 65.7 53.8 80.6



#14

Allyl chloride

Concen: 20.453 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

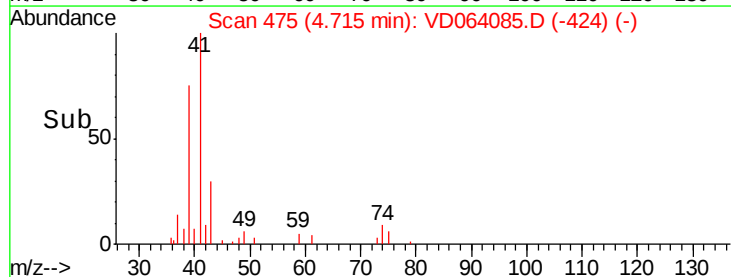
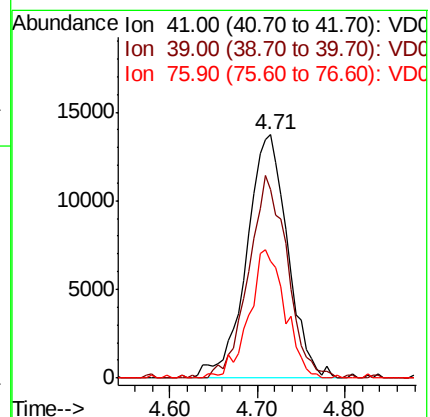
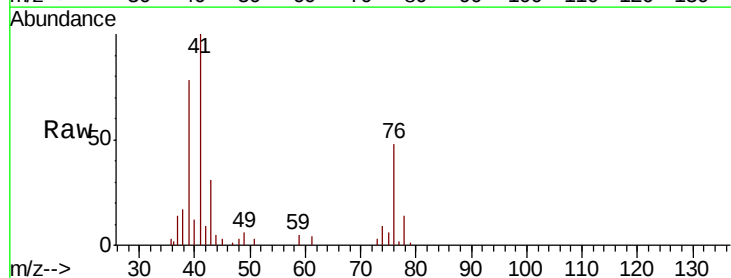
Tgt Ion: 41 Resp: 43945

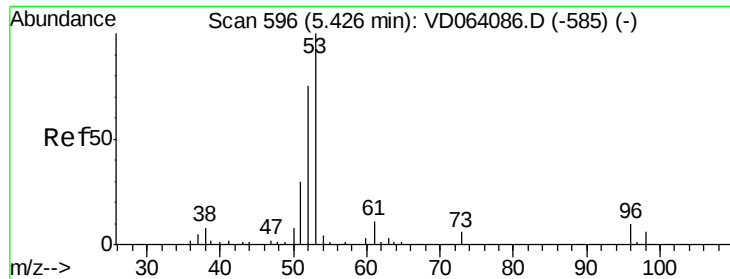
Ion Ratio Lower Upper

41 100

39 78.2 61.5 92.3

76 46.3 36.2 54.4





#15

Acrylonitrile

Concen: 98.625 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

Instrument :

MSVOA_D

ClientSampled :

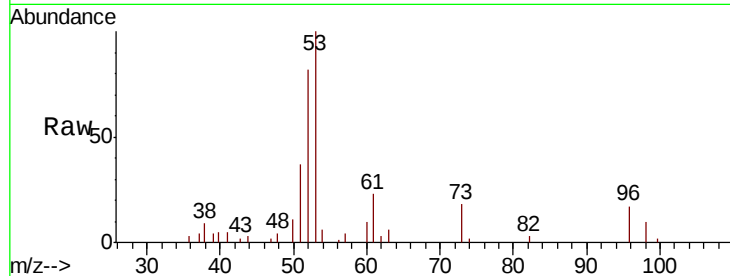
Tot Ion: 53 Resp: 34083

Ion Ratio Lower Upper

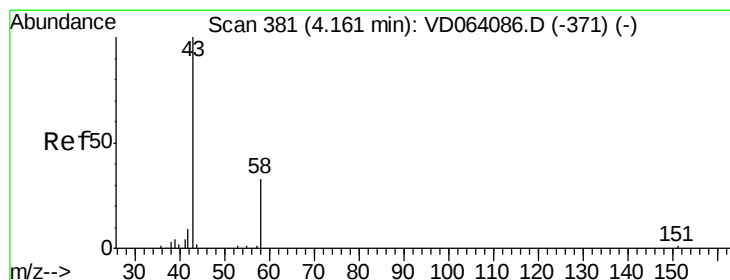
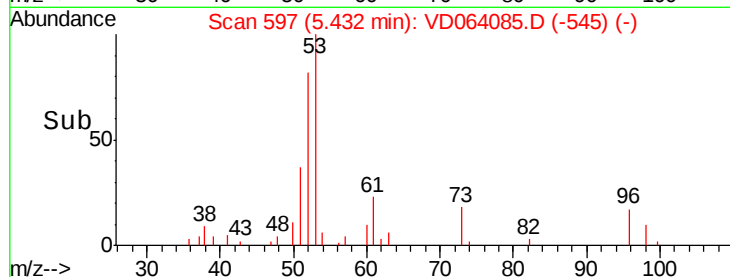
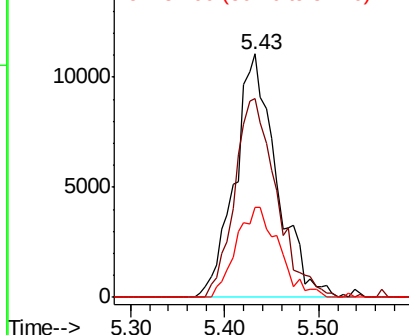
53 100

52 82.2 66.2 99.4

51 37.9 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: 88.720 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD064085.D

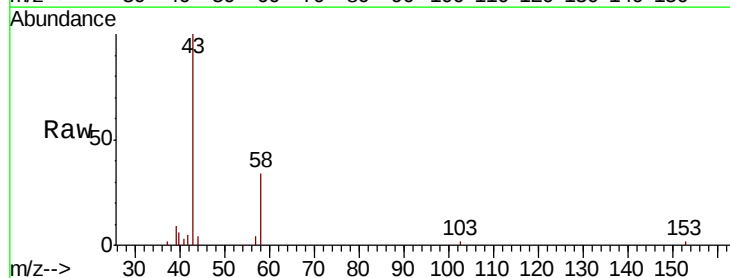
Acq: 29 Oct 2019 13:09

Tgt Ion: 43 Resp: 28411

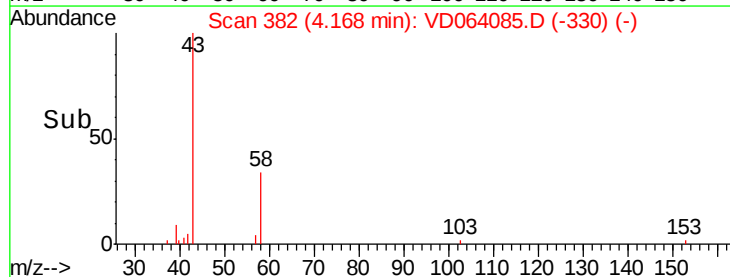
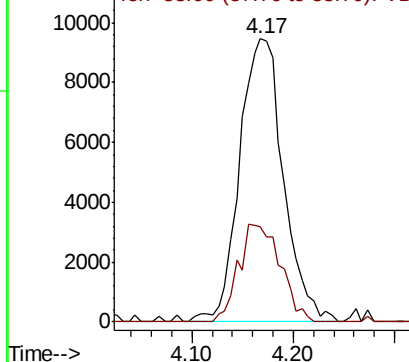
Ion Ratio Lower Upper

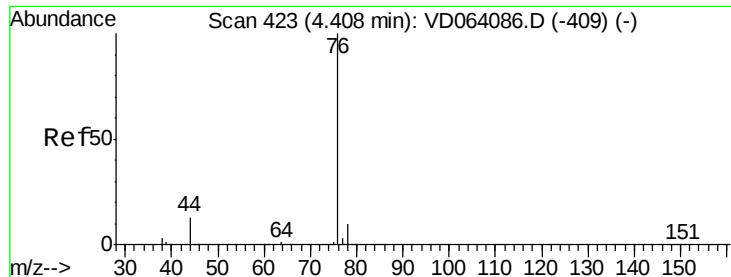
43 100

58 33.6 26.3 39.5



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

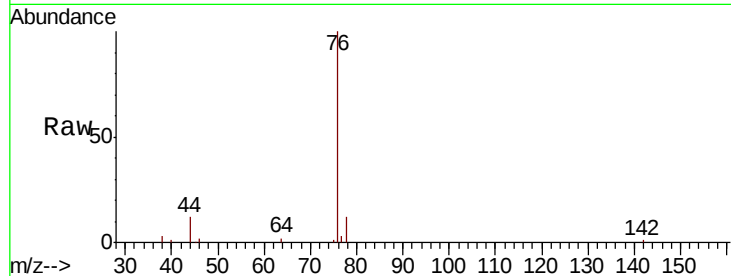




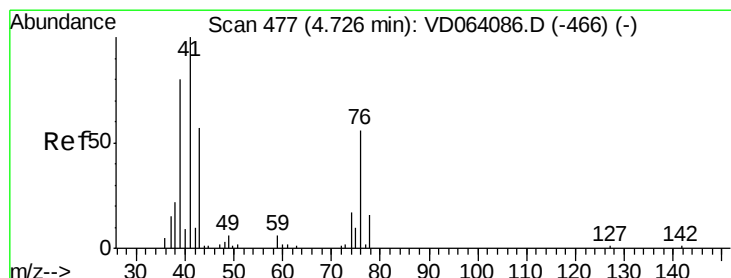
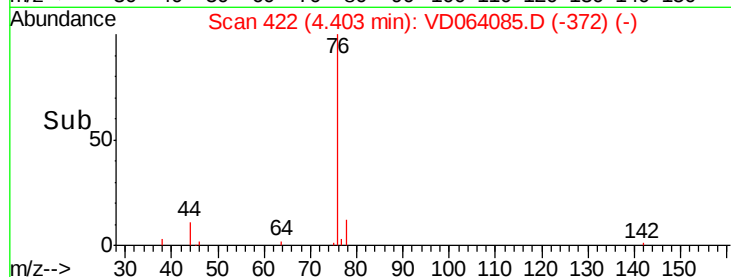
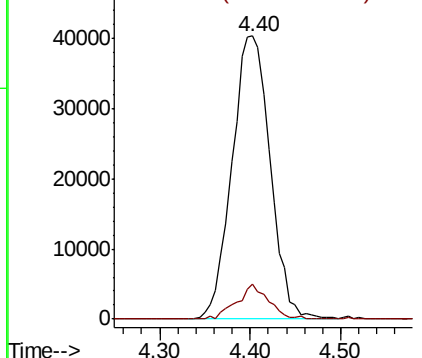
#17
Carbon Disulfide
Concen: 20.954 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 118205
Ion Ratio Lower Upper
76 100
78 12.5 8.1 12.1#

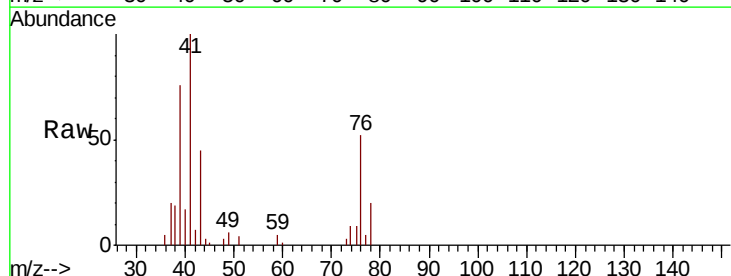


Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC

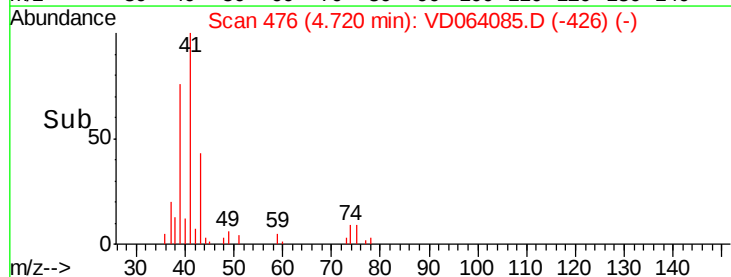
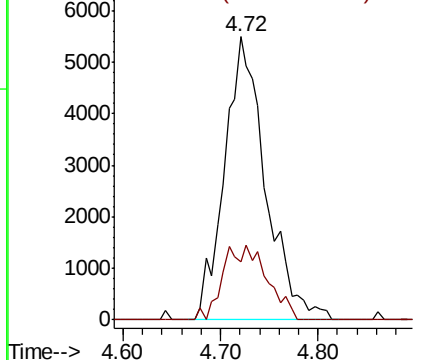


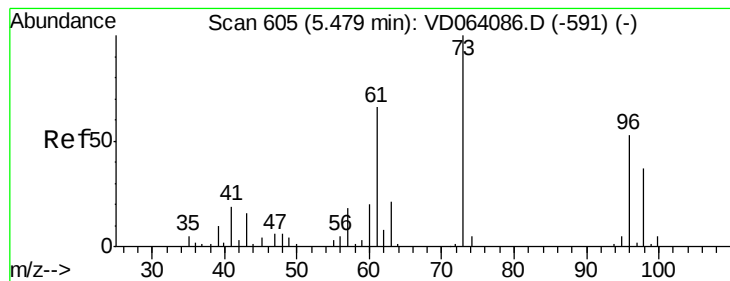
#18
Methyl Acetate
Concen: 18.862 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

Tgt Ion: 43 Resp: 16067
Ion Ratio Lower Upper
43 100
74 12.6 22.2 33.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC



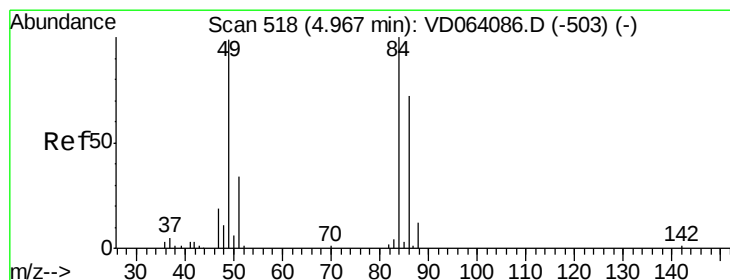
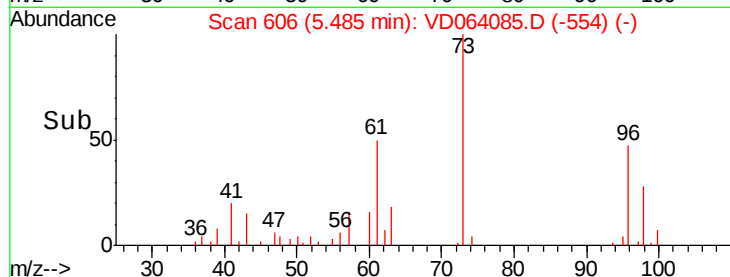
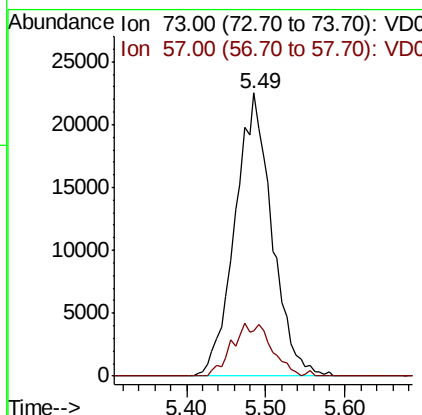
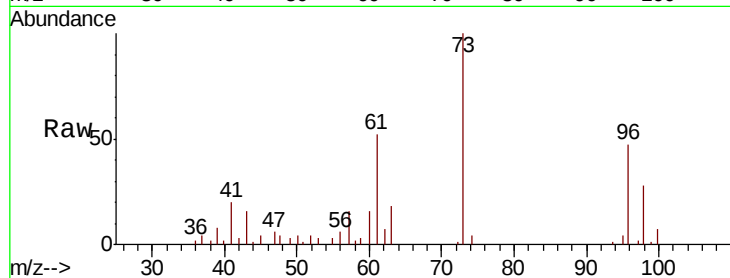


#19

Methyl tert-butyl Ether
 Concen: 19.564 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD064085.D
 Acq: 29 Oct 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleID :

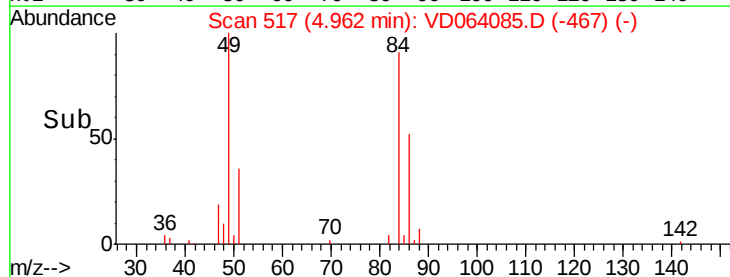
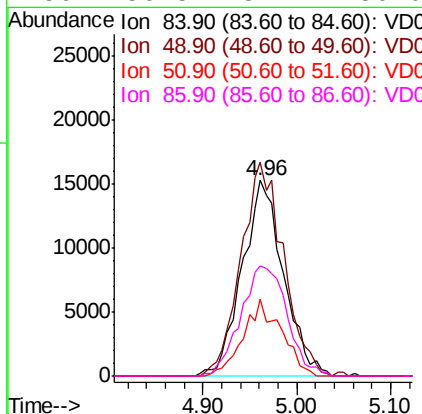
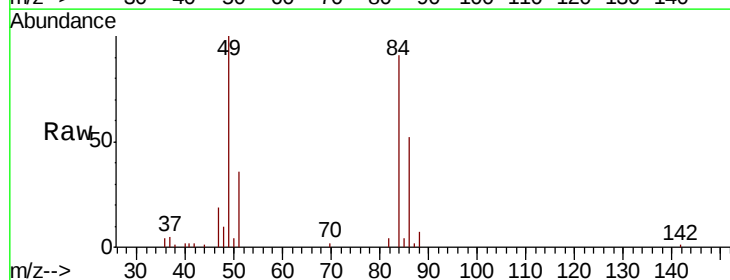
Tot Ion: 73 Resp: 72877
 Ion Ratio Lower Upper
 73 100
 57 16.0 14.3 21.5

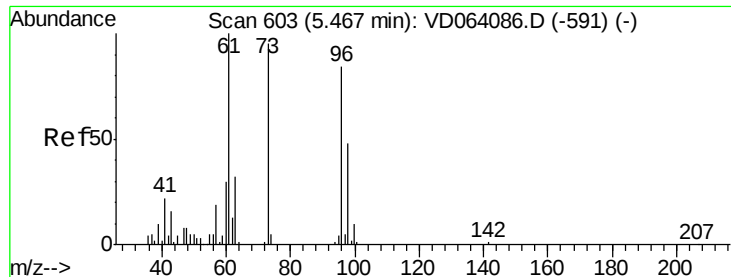


#20

Methylene Chloride
 Concen: 20.289 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD064085.D
 Acq: 29 Oct 2019 13:09

Tgt Ion: 84 Resp: 46424
 Ion Ratio Lower Upper
 84 100
 49 109.3 79.4 119.0
 51 39.3 27.4 41.2
 86 56.5 57.4 86.0#





#21

trans-1,2-Dichloroethene

Concen: 21.114 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

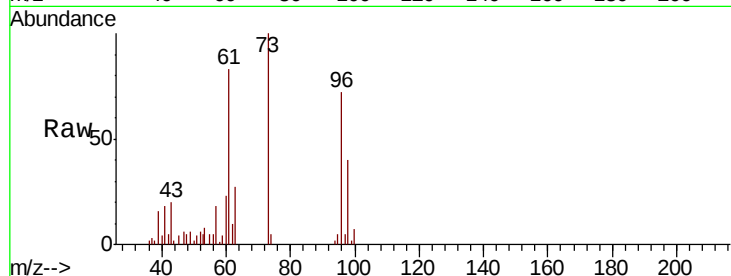
Tot Ion: 96 Resp: 43510

Ion Ratio Lower Upper

96 100

61 115.8 95.0 142.6

98 56.1 45.8 68.8

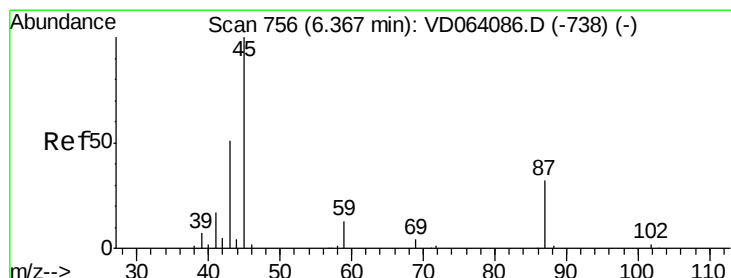
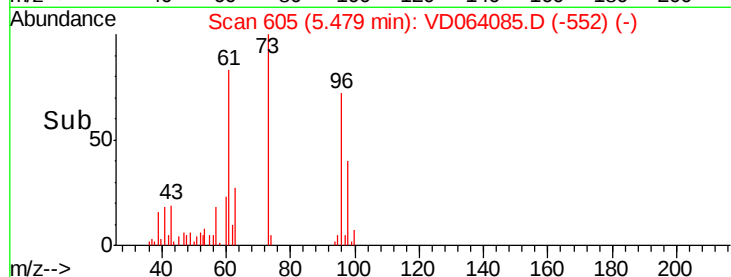
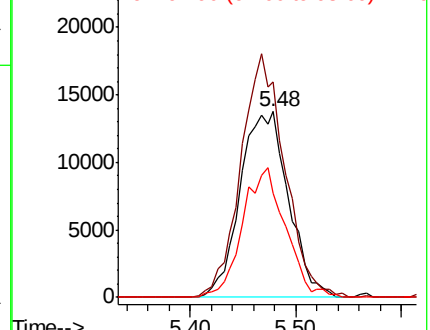


Abundance

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: 19.840 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

Tgt Ion: 45 Resp: 94408

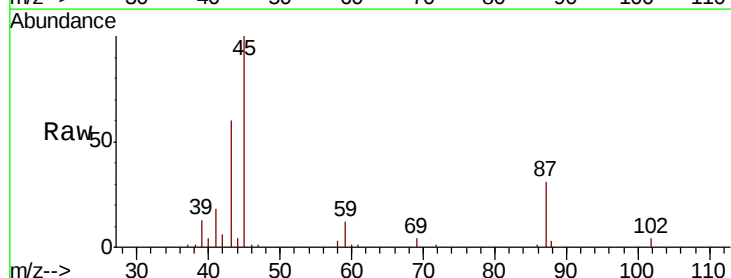
Ion Ratio Lower Upper

45 100

43 58.7 44.3 66.5

87 31.1 26.6 39.8

59 12.5 10.2 15.2



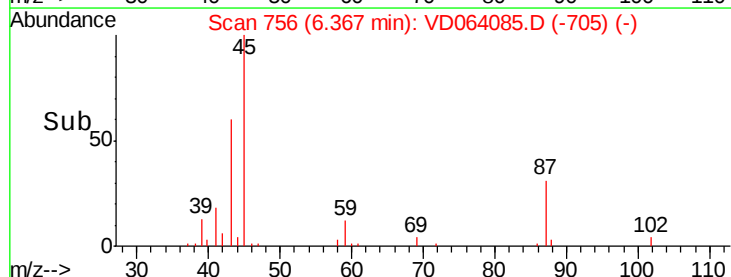
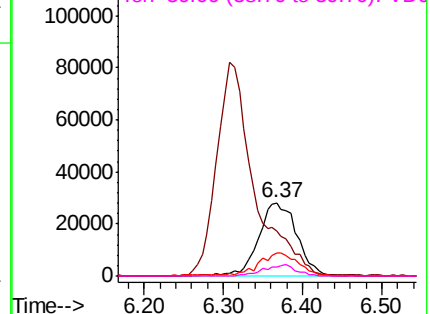
Abundance

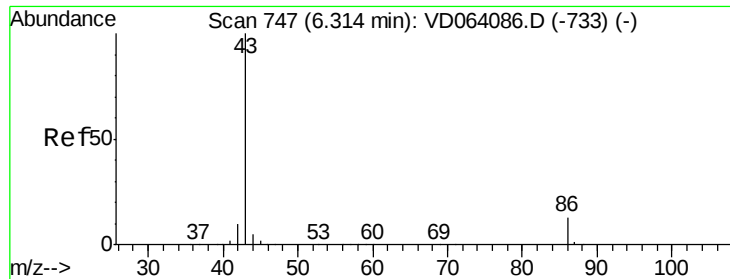
Ion 45.00 (44.70 to 45.70): VDC

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: 101.701 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

Instrument :

MSVOA_D

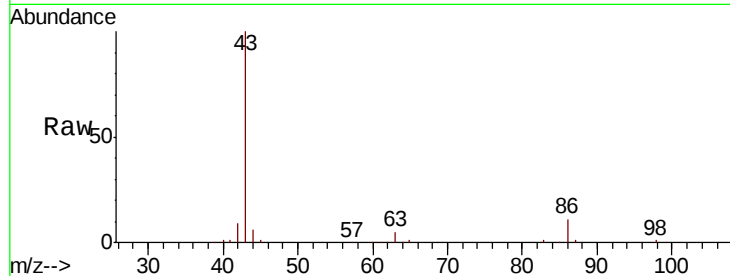
ClientSampleId :

Tot Ion: 43 Resp: 270886

Ion Ratio Lower Upper

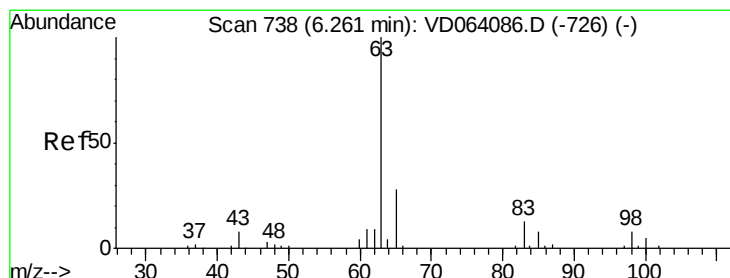
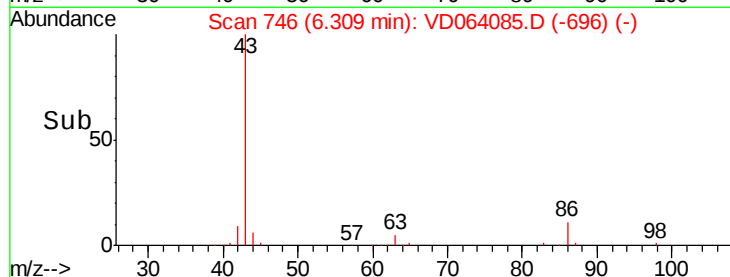
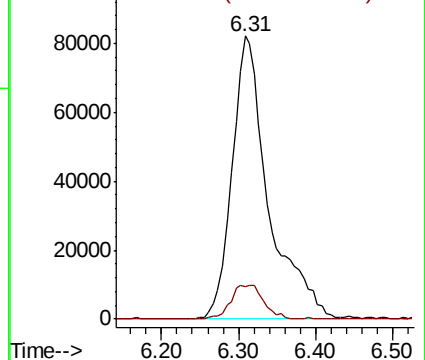
43 100

86 11.4 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.052 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

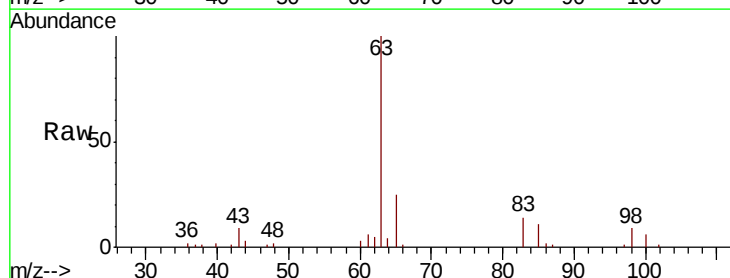
Tgt Ion: 63 Resp: 67647

Ion Ratio Lower Upper

63 100

98 9.1 4.0 11.9

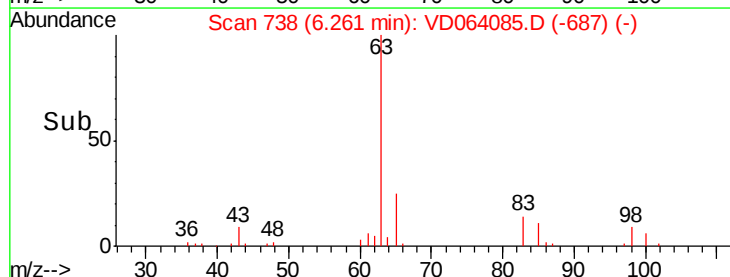
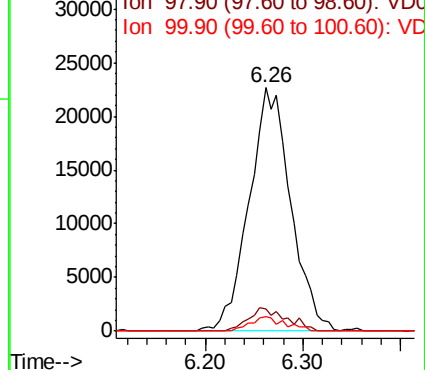
100 5.9 2.6 7.8

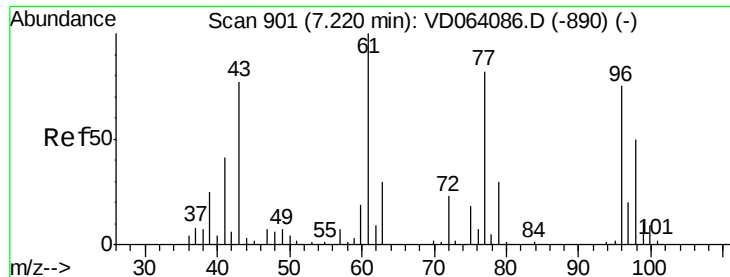


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 98.950 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

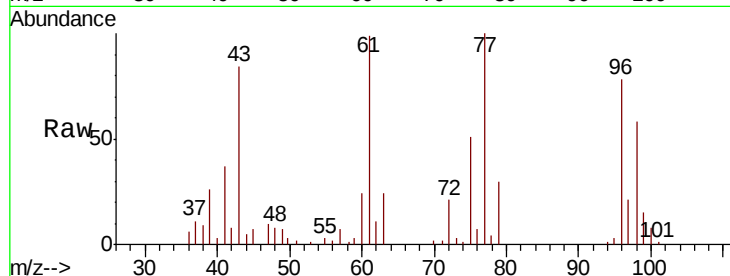
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 43806

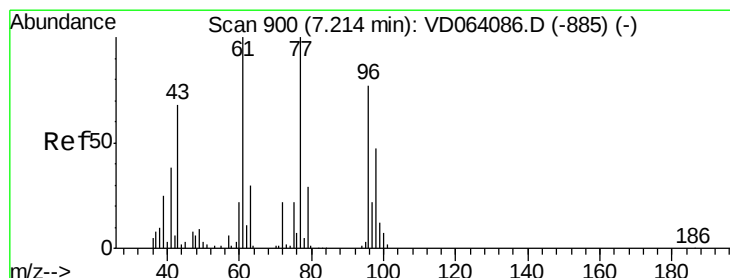
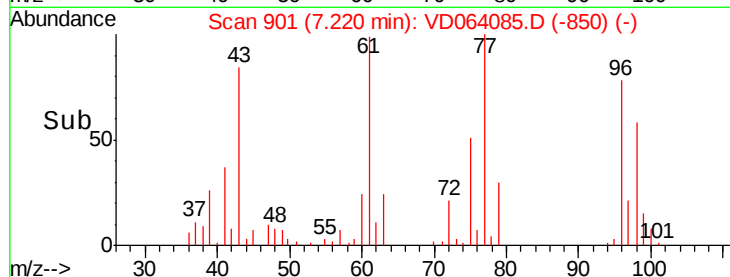
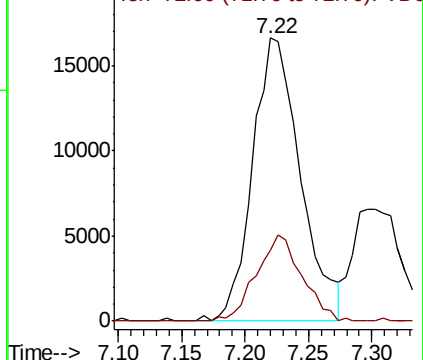
Ion Ratio Lower Upper

43 100

72 25.3 23.4 35.0



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



#26

2,2-Dichloropropane

Concen: 20.294 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064085.D

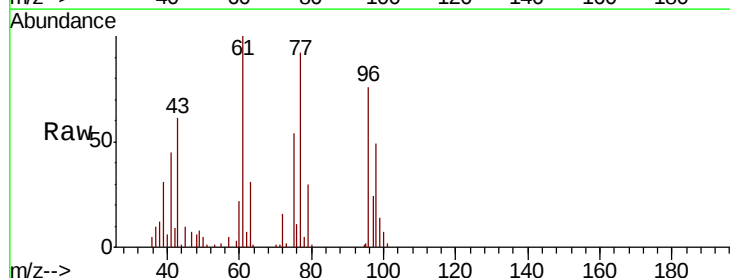
Acq: 29 Oct 2019 13:09

Tgt Ion: 77 Resp: 61892

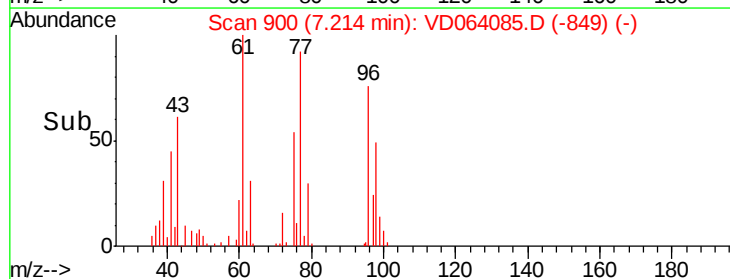
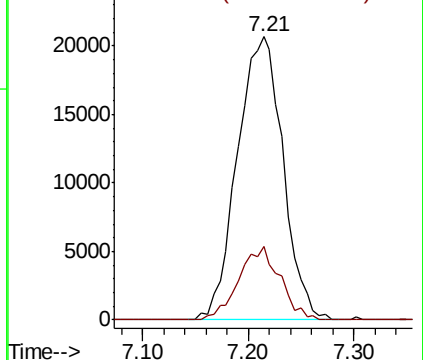
Ion Ratio Lower Upper

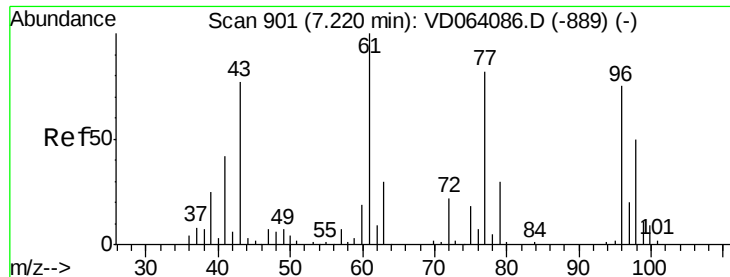
77 100

97 23.6 11.2 33.5



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



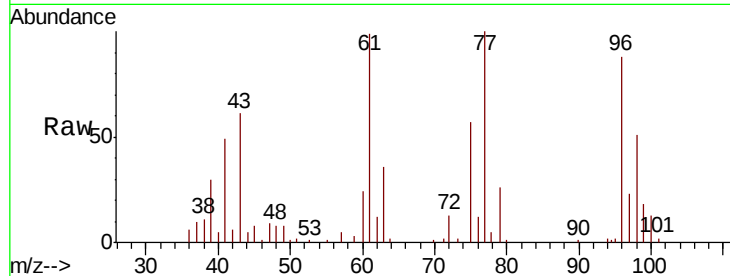


#27

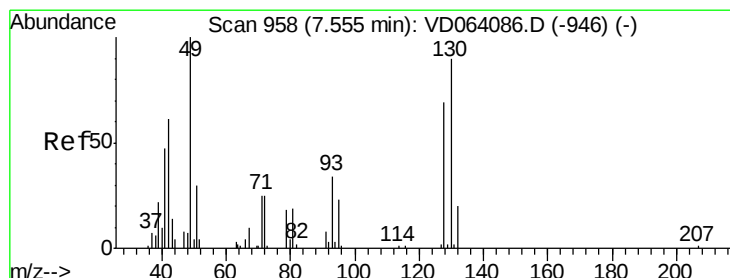
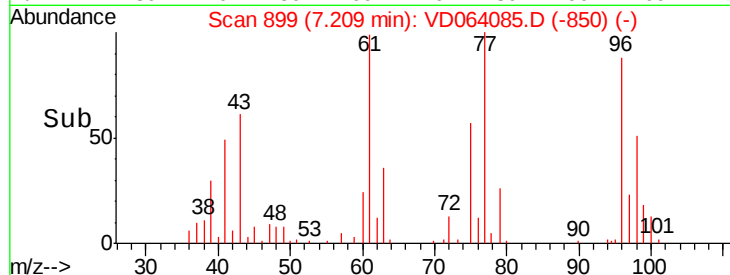
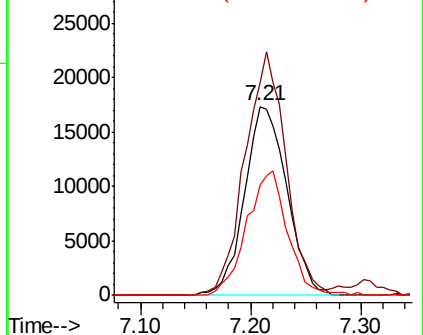
cis-1,2-Dichloroethene
Concen: 20.232 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 46652
Ion Ratio Lower Upper
96 100
61 124.6 0.0 258.0
98 64.0 0.0 130.8



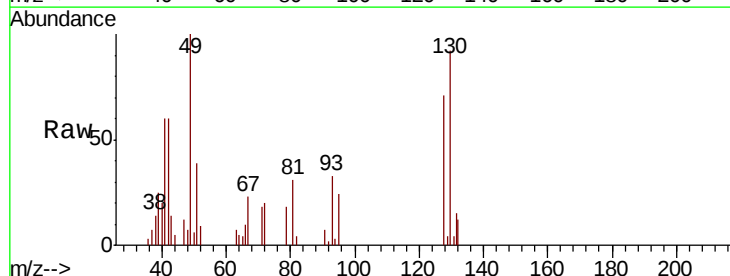
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



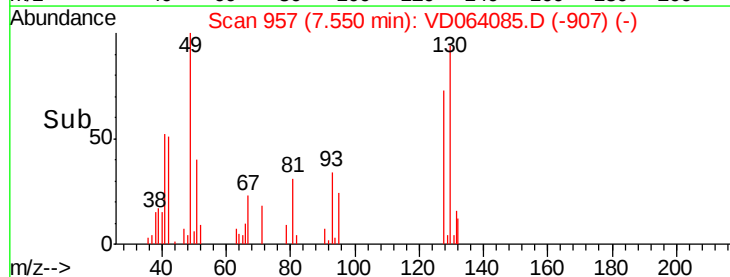
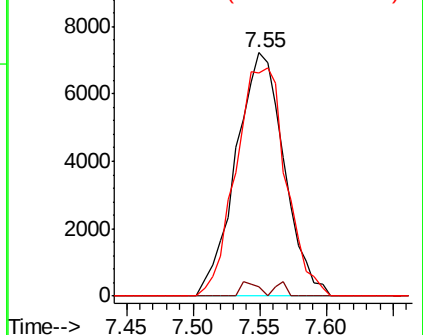
#28

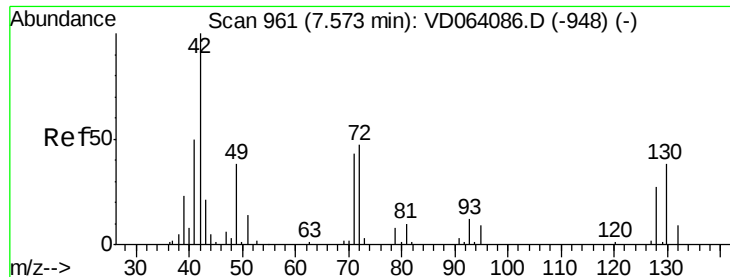
Bromochloromethane
Concen: 15.431 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

Tgt Ion: 49 Resp: 18087
Ion Ratio Lower Upper
49 100
129 1.4 0.0 5.4
130 97.1 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

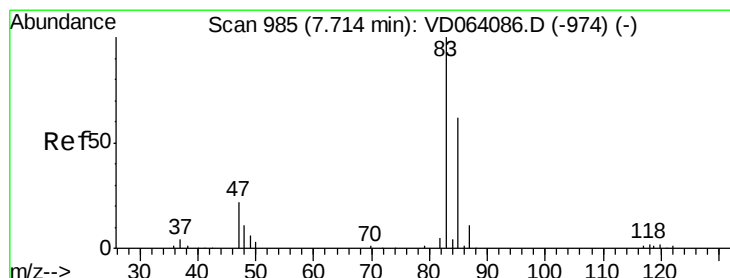
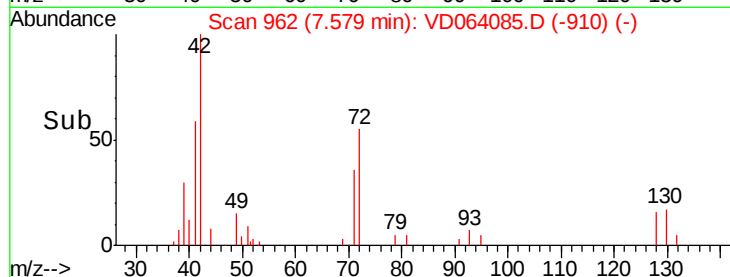
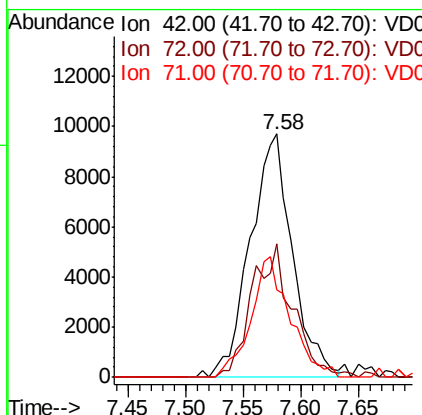
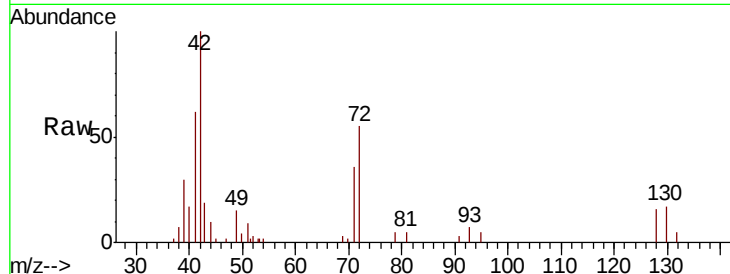




#29
Tetrahydrofuran
Concen: 95.826 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

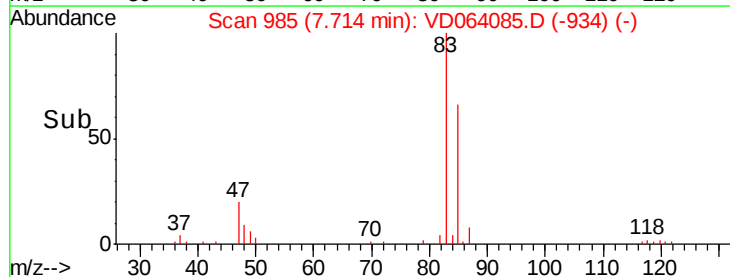
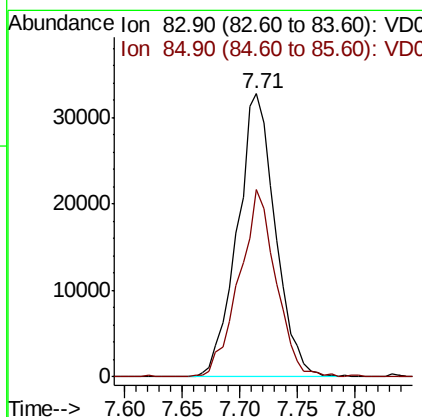
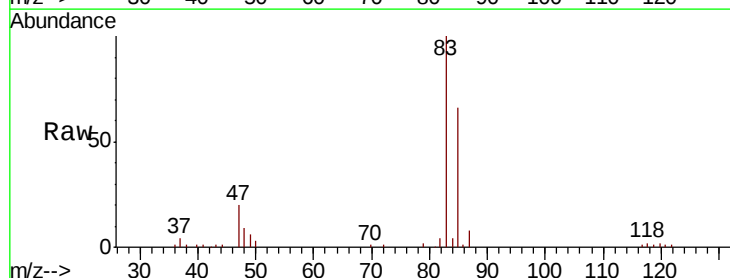
Instrument :
MSVOA_D
ClientSampleId :

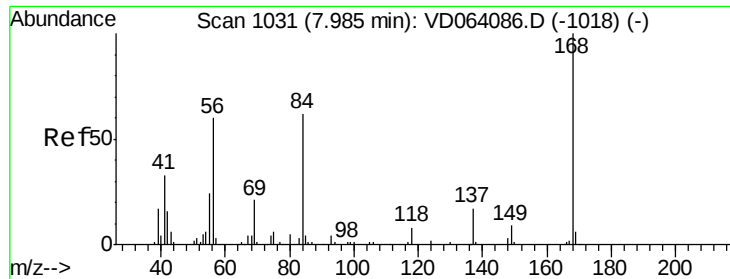
Tot Ion: 42 Resp: 24759
Ion Ratio Lower Upper
42 100
72 53.0 38.9 58.3
71 45.7 35.4 53.2



#30
Chloroform
Concen: 20.364 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

Tgt Ion: 83 Resp: 74875
Ion Ratio Lower Upper
83 100
85 66.2 49.8 74.6

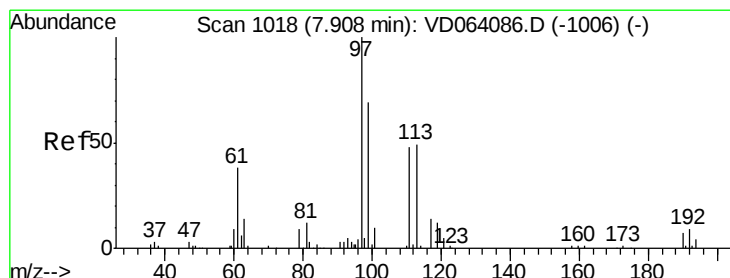
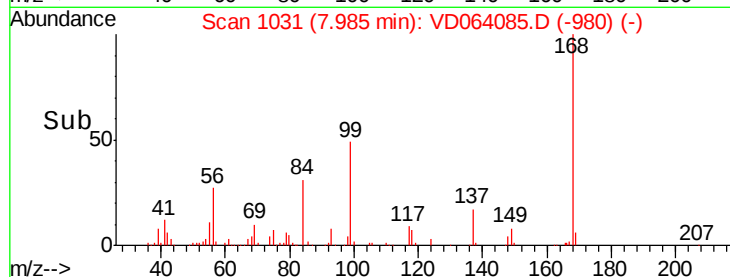
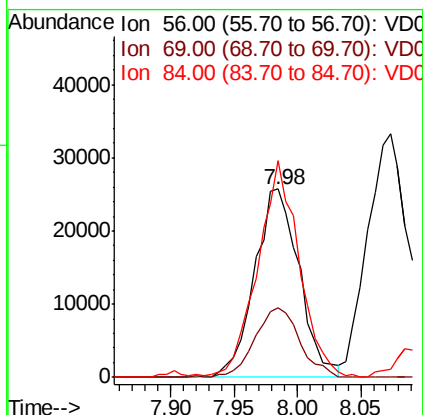
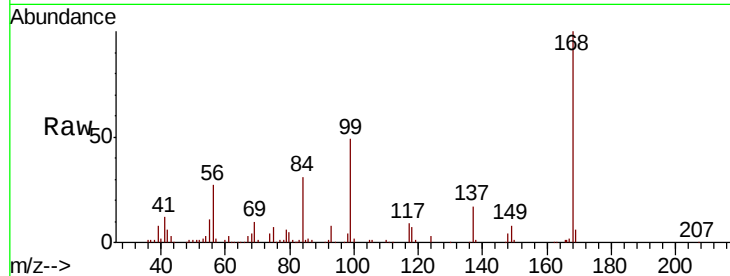




#31
Cyclohexane
Concen: 20.176 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

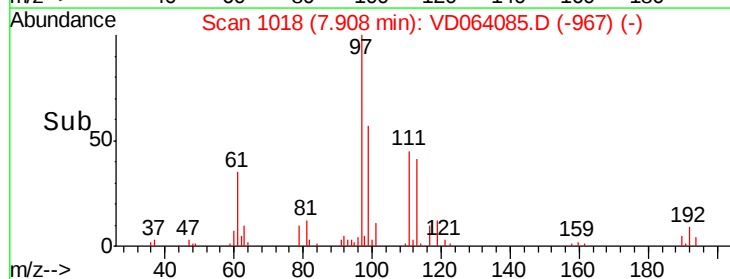
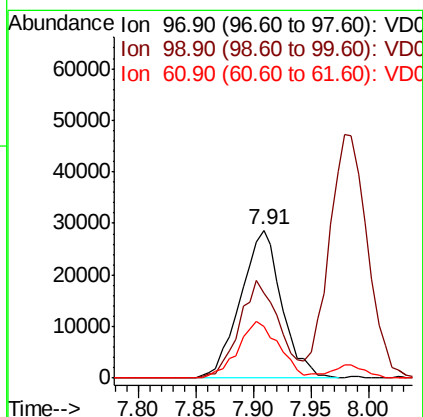
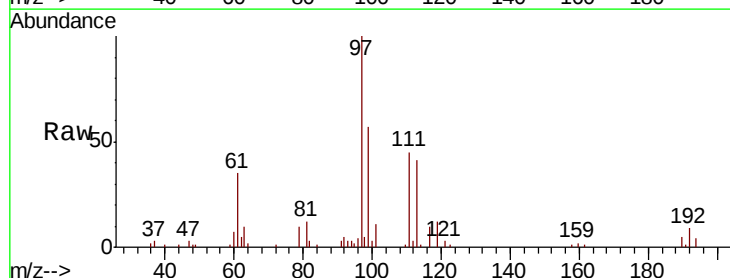
Instrument :
MSVOA_D
ClientSampled :

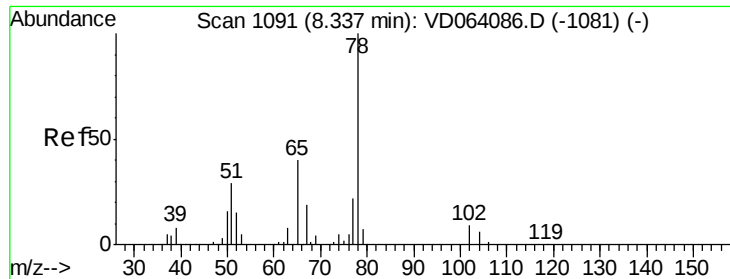
Tot Ion: 56 Resp: 63162
Ion Ratio Lower Upper
56 100
69 37.2 27.7 41.5
84 114.5 83.1 124.7



#32
1,1,1-Trichloroethane
Concen: 20.761 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

Tgt Ion: 97 Resp: 71058
Ion Ratio Lower Upper
97 100
99 64.1 53.7 80.5
61 38.4 31.8 47.6





#33

1,2-Dichloroethane-d4

Concen: 19.876 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

Instrument :

MSVOA_D

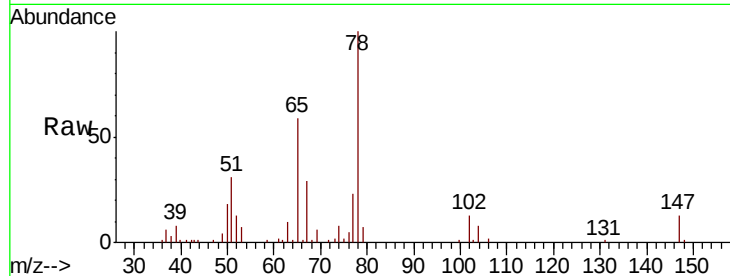
ClientSampleId :

Tot Ion: 65 Resp: 33453

Ion Ratio Lower Upper

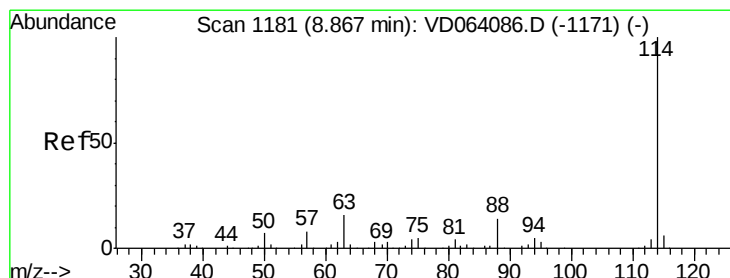
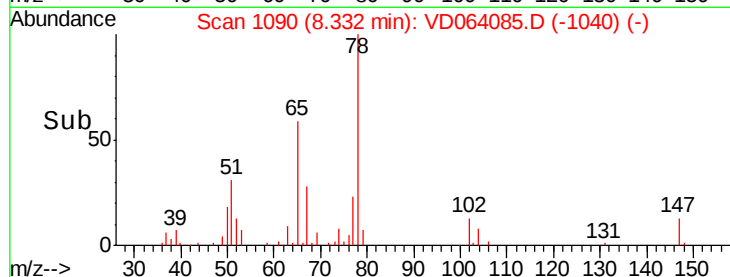
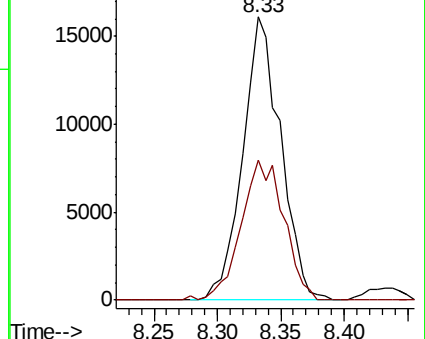
65 100

67 55.8 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

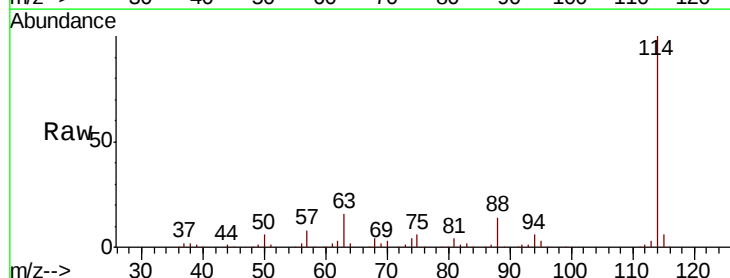
Tgt Ion: 114 Resp: 312065

Ion Ratio Lower Upper

114 100

63 15.9 0.0 32.8

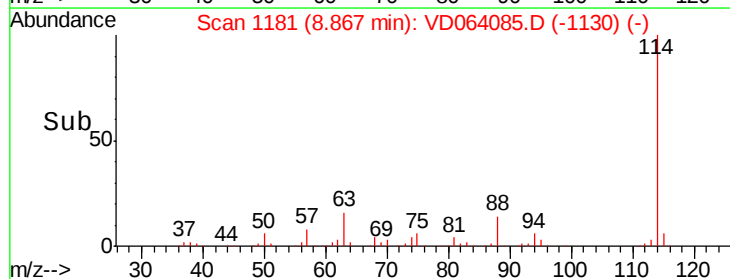
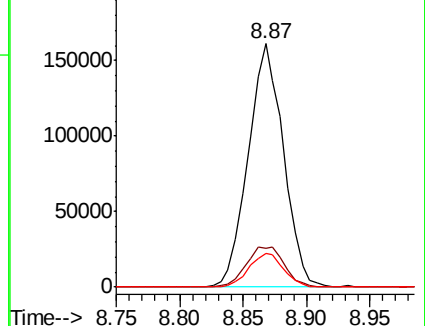
88 13.8 0.0 27.6

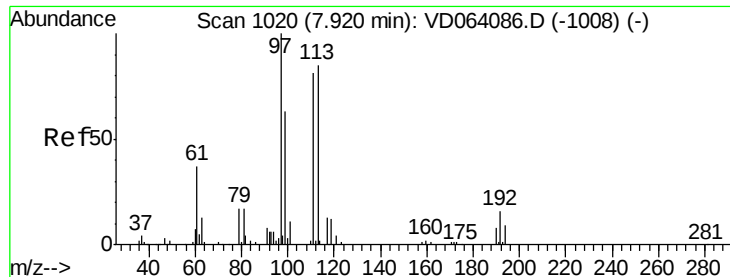


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

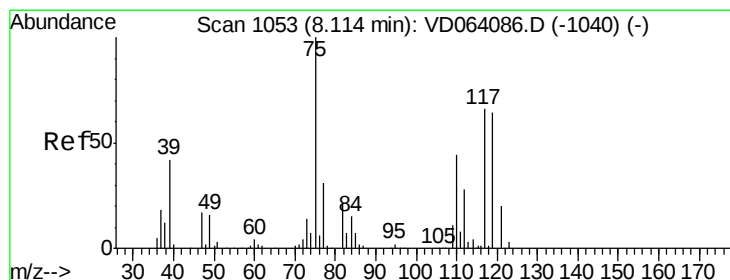
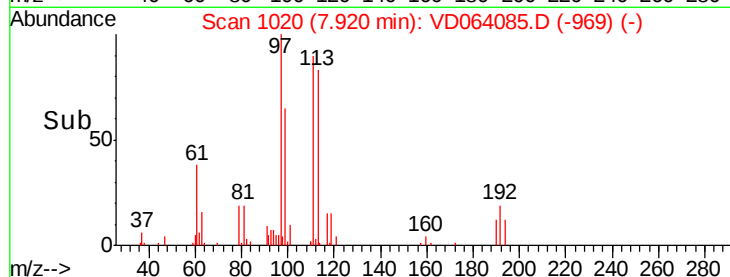
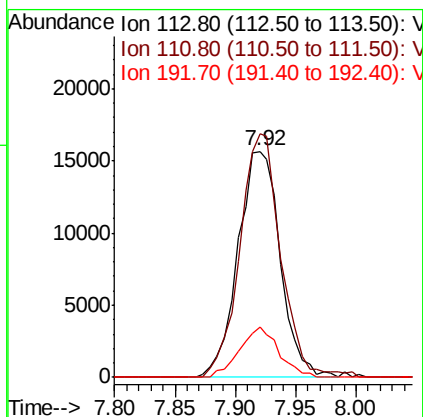
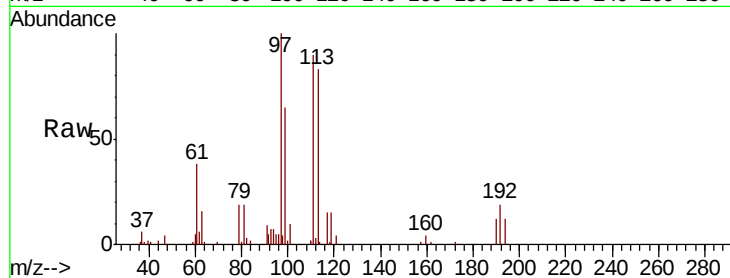




#35
 Dibromofluoromethane
 Concen: 19.987 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064085.D
 Acq: 29 Oct 2019 13:09

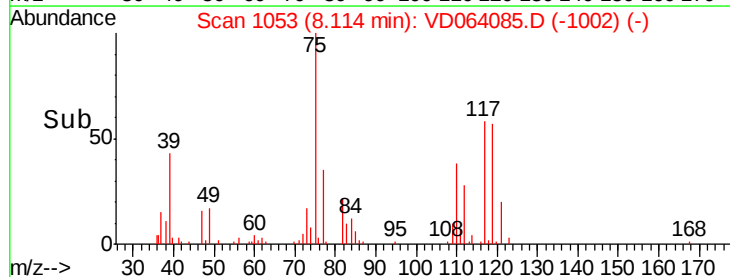
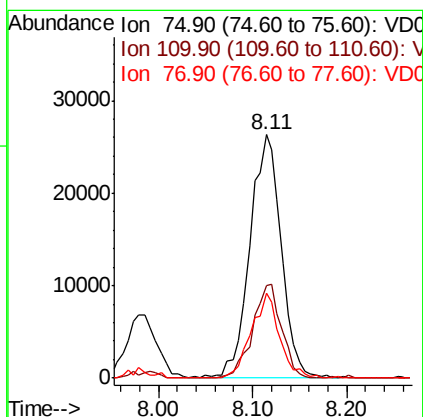
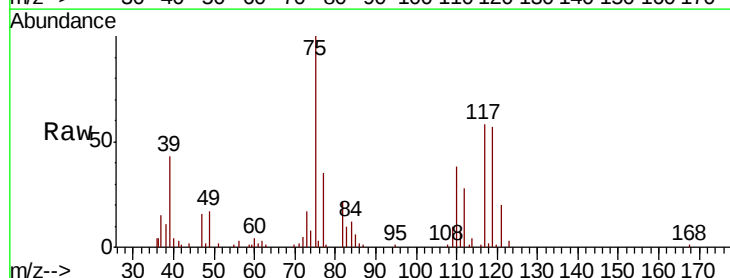
Instrument :
 MSVOA_D
 ClientSampleId :

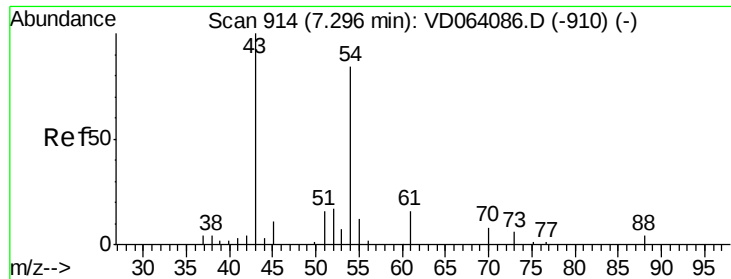
Tot Ion:113 Resp: 38373
 Ion Ratio Lower Upper
 113 100
 111 104.1 79.3 118.9
 192 20.7 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 20.766 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064085.D
 Acq: 29 Oct 2019 13:09

Tgt Ion: 75 Resp: 60722
 Ion Ratio Lower Upper
 75 100
 110 35.4 20.0 59.9
 77 31.5 24.7 37.1

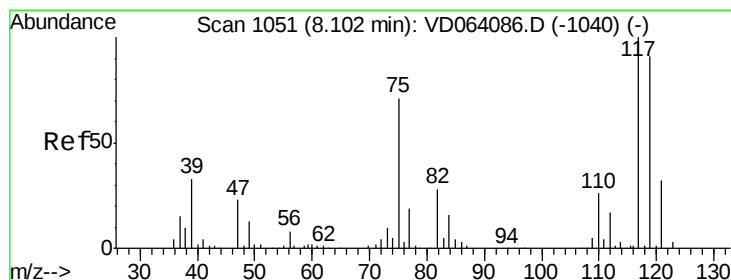
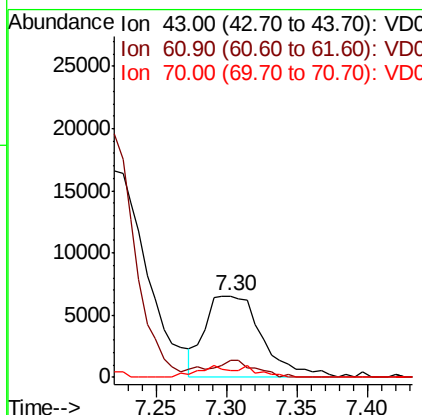
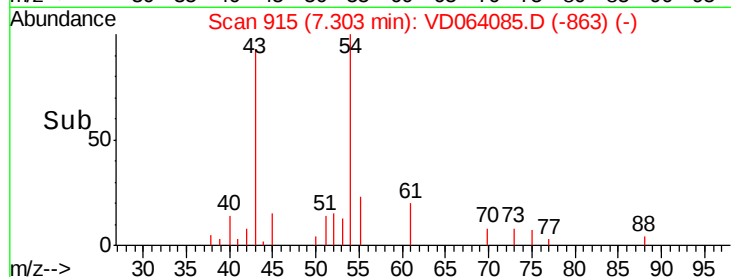
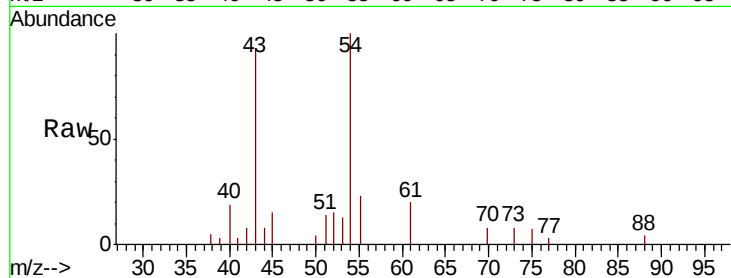




#37
Ethyl Acetate
Concen: 20.623 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

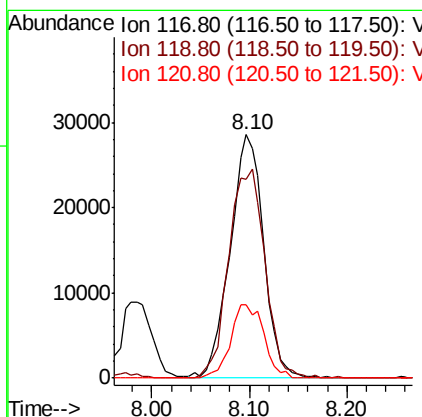
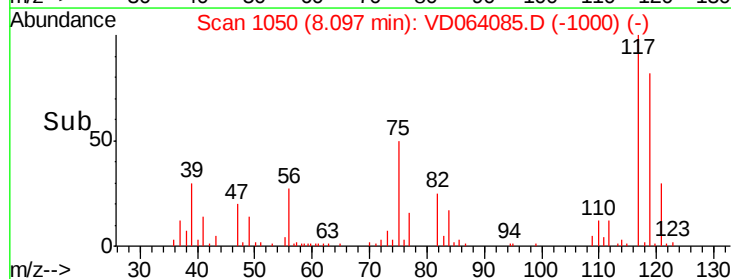
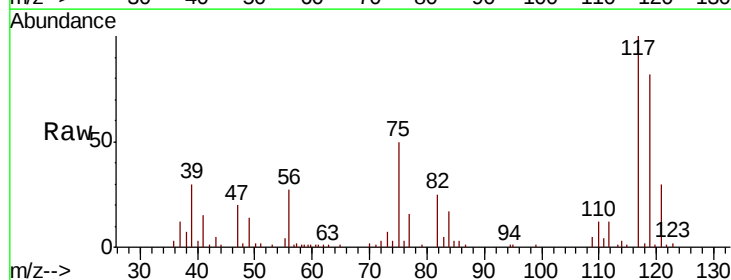
Instrument :
MSVOA_D
ClientSampleID :

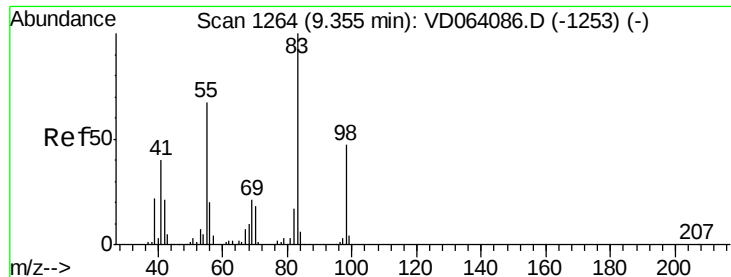
Tot Ion: 43 Resp: 18562
Ion Ratio Lower Upper
43 100
61 16.7 12.0 18.0
70 8.5 3.8 5.6#



#38
Carbon Tetrachloride
Concen: 21.415 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

Tgt Ion: 117 Resp: 68322
Ion Ratio Lower Upper
117 100
119 81.7 72.6 108.8
121 30.2 25.8 38.6

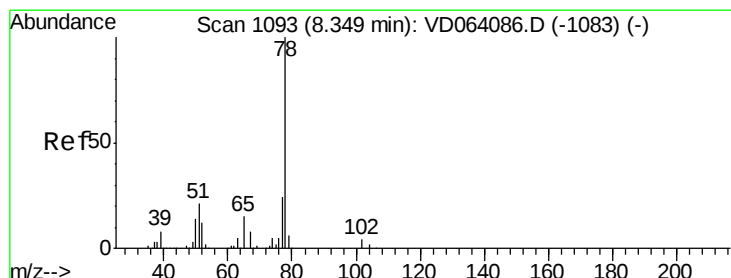
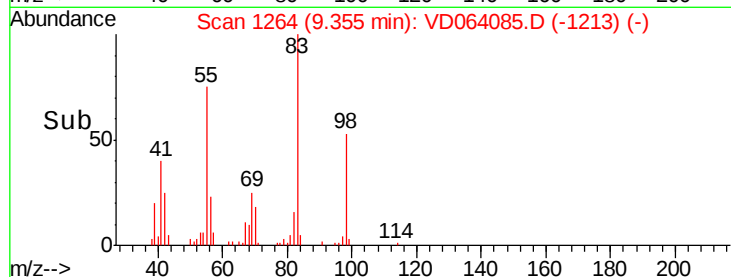
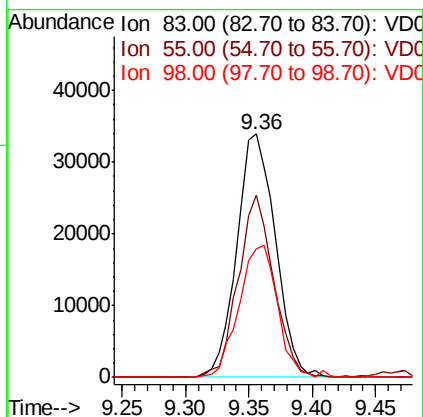
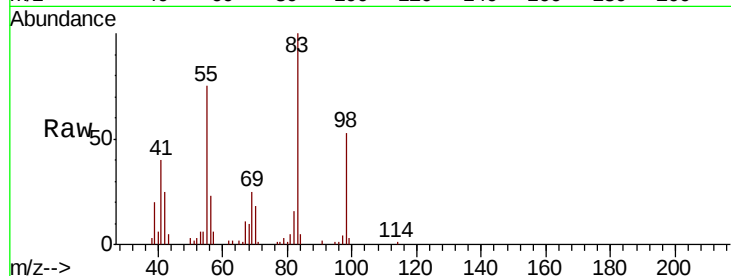




#39
Methvlcvclohexane
Concen: 19.987 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

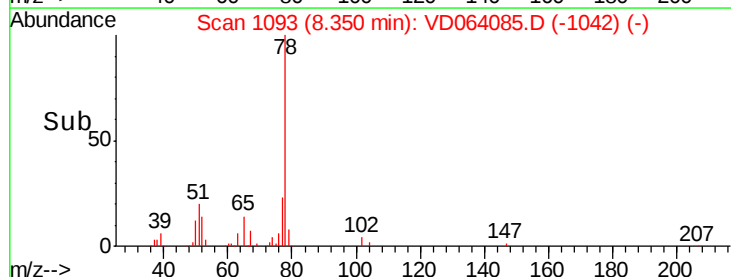
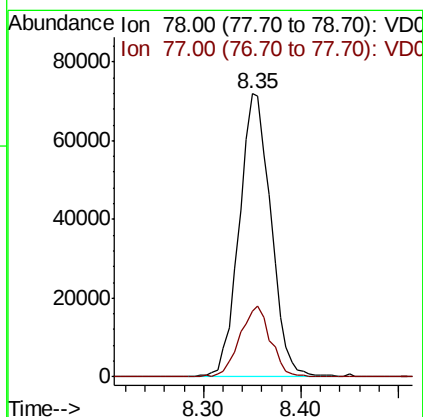
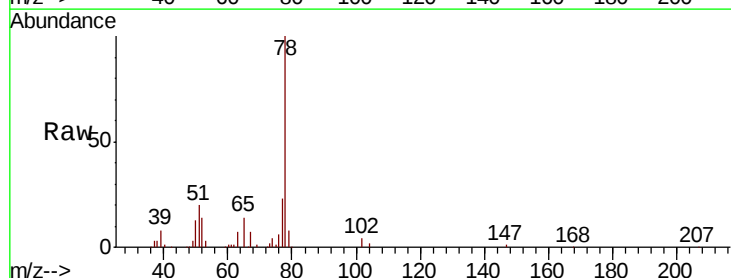
Instrument :
MSVOA_D
ClientSampleId :

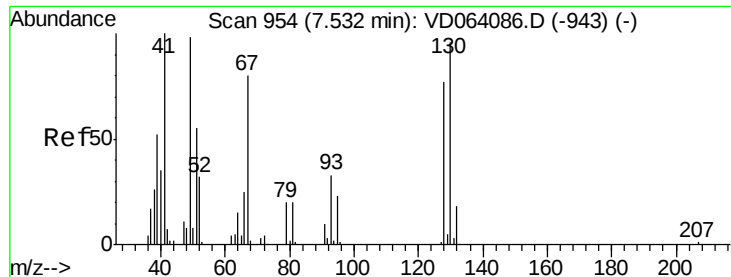
Tot Ion: 83 Resp: 71746
Ion Ratio Lower Upper
83 100
55 74.9 53.4 80.0
98 52.8 37.8 56.6



#40
Benzene
Concen: 20.384 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

Tgt Ion: 78 Resp: 162544
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.4

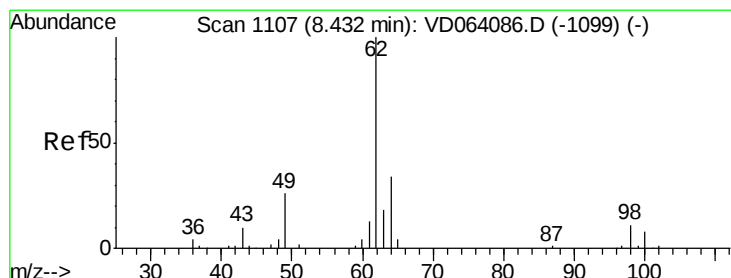
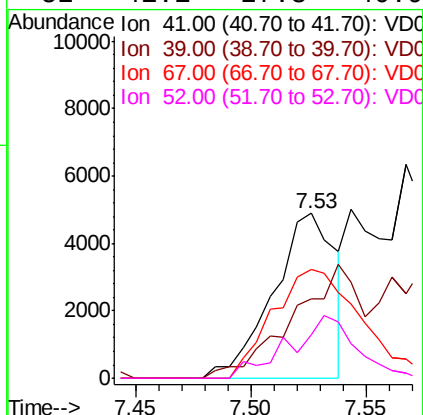
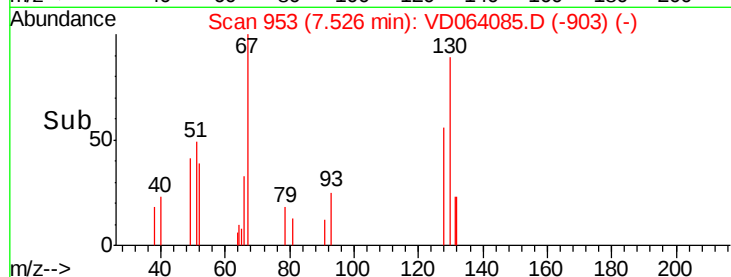
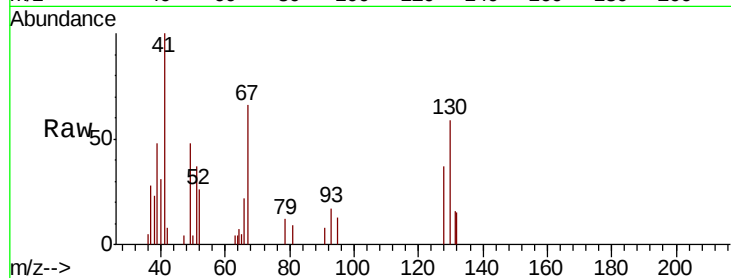




#41
Methacrylonitrile
Concen: 14.931 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

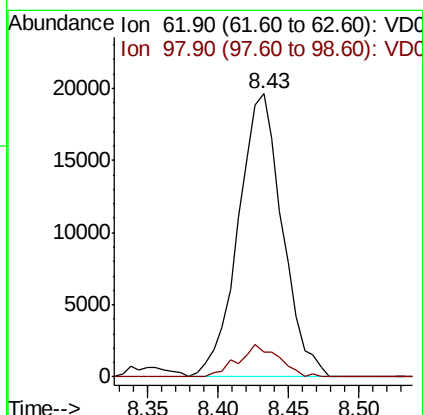
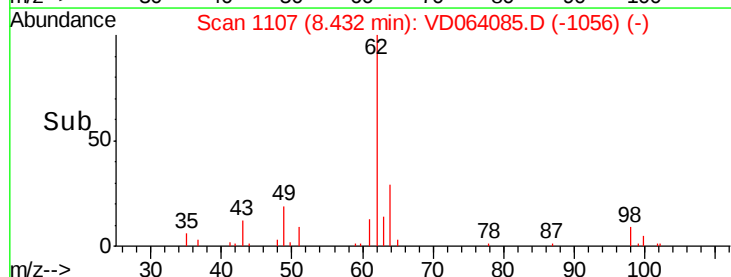
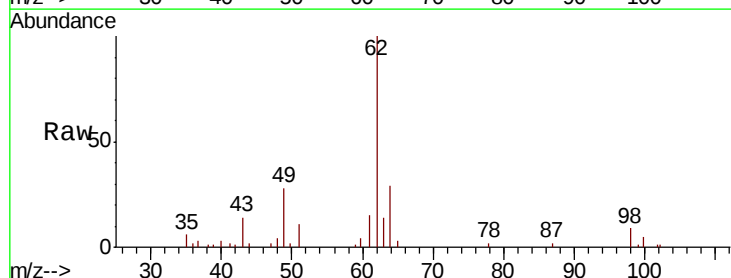
Instrument :
MSVOA_D
ClientSampleId :

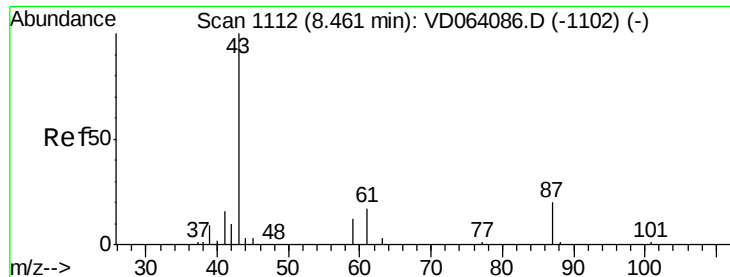
Tot Ion: 41 Resp: 9120
Ion Ratio Lower Upper
41 100
39 74.2 41.0 61.4#
67 93.4 73.4 110.0
52 41.1 27.3 40.9#



#42
1,2-Dichloroethane
Concen: 20.372 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

Tgt Ion: 62 Resp: 42910
Ion Ratio Lower Upper
62 100
98 10.5 0.0 21.0





#43

Isopropyl Acetate

Concen: 19.017 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

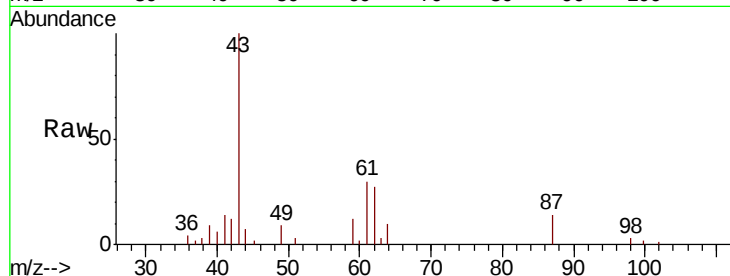
Tot Ion: 43 Resp: 34591

Ion Ratio Lower Upper

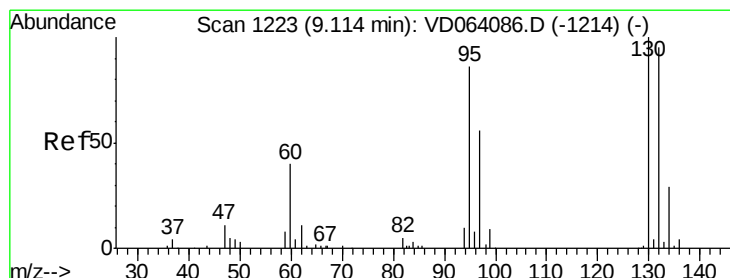
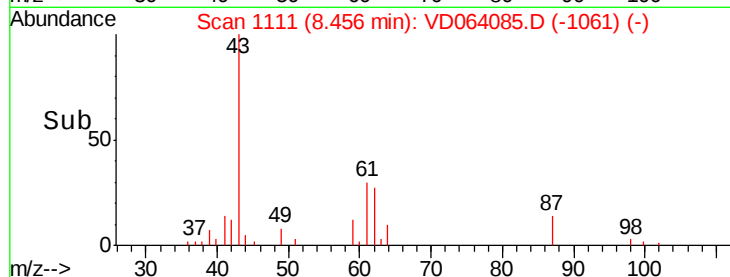
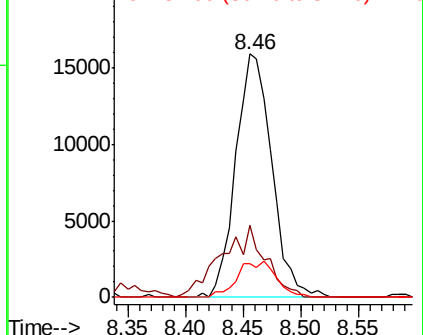
43 100

61 36.3 25.8 38.8

87 16.1 13.0 19.4



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



#44

Trichloroethene

Concen: 20.434 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD064085.D

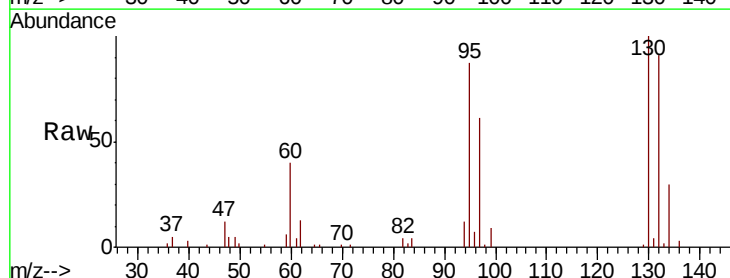
Acq: 29 Oct 2019 13:09

Tgt Ion: 130 Resp: 49385

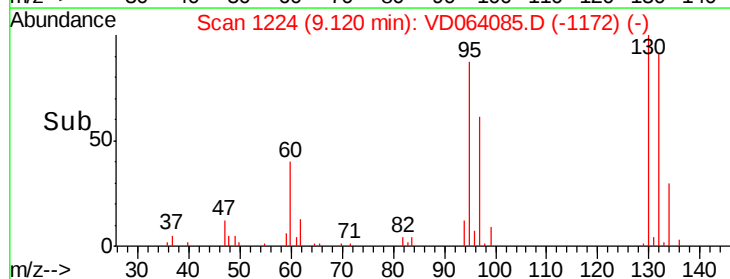
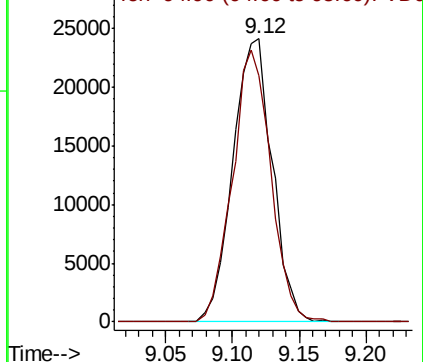
Ion Ratio Lower Upper

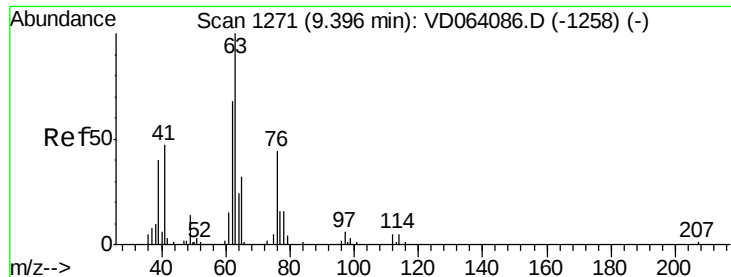
130 100

95 87.1 0.0 173.0



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

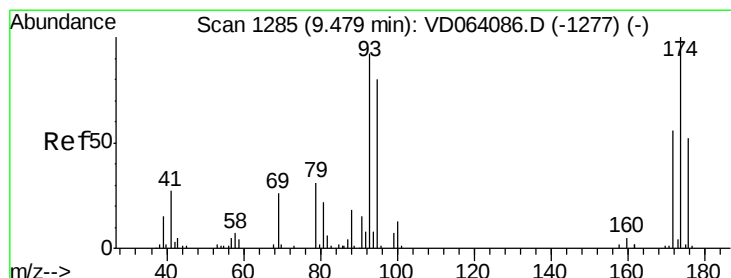
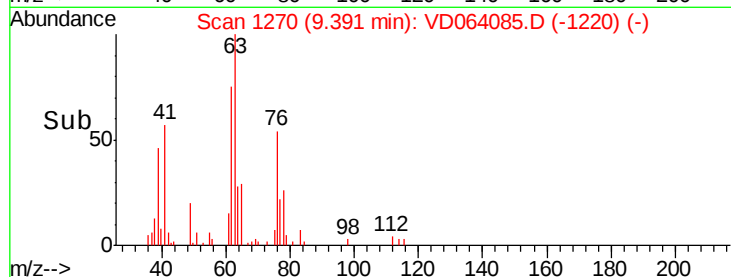
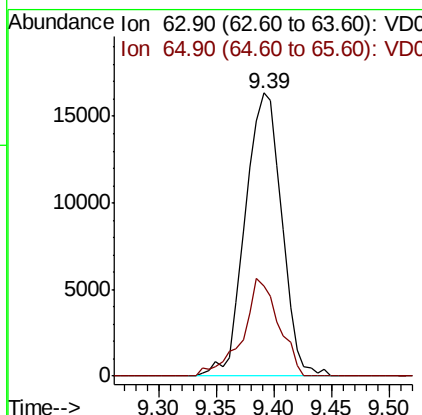
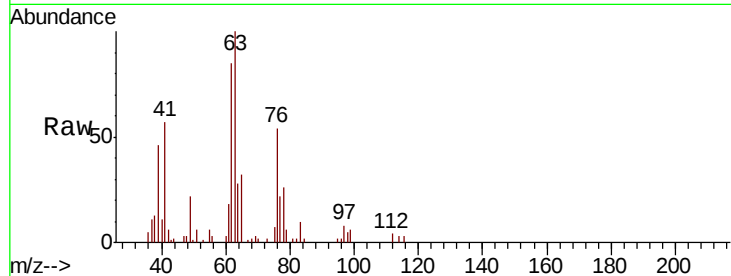




#45
 1,2-Dichloropropane
 Concen: 19.566 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD064085.D
 Acq: 29 Oct 2019 13:09

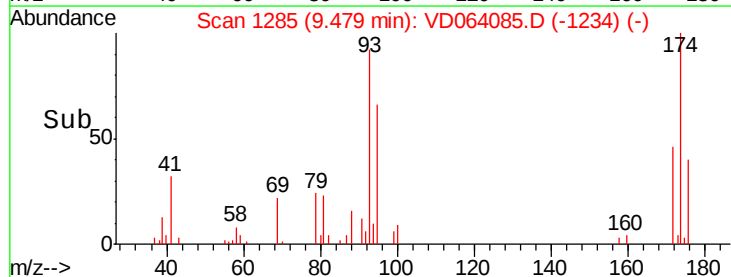
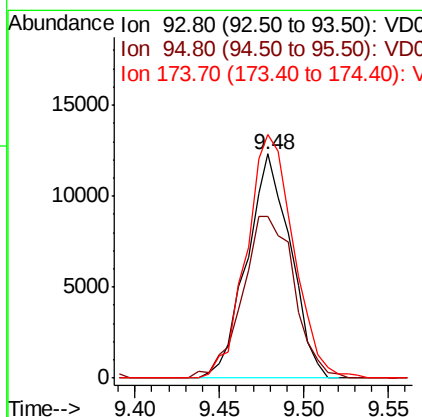
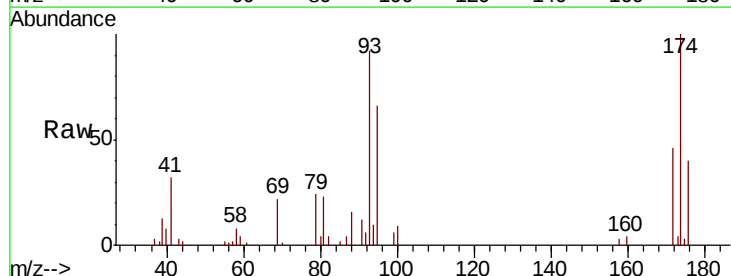
Instrument :
 MSVOA_D
 ClientSampleID :

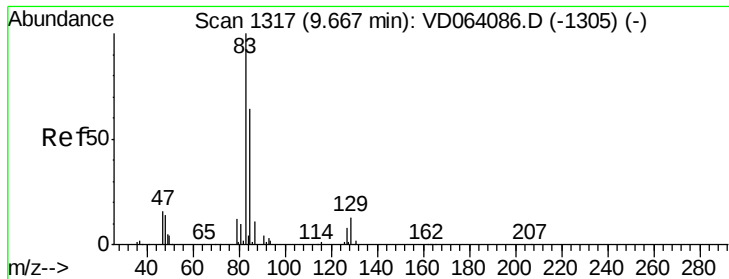
Tot Ion: 63 Resp: 36157
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.8 38.8



#46
 Dibromomethane
 Concen: 19.944 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064085.D
 Acq: 29 Oct 2019 13:09

Tgt Ion: 93 Resp: 22197
 Ion Ratio Lower Upper
 93 100
 95 85.1 67.4 101.2
 174 117.0 86.4 129.6





#47

Bromodichloromethane

Concen: 20.010 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

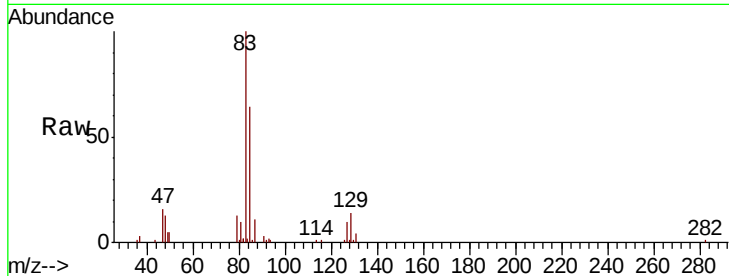
Tot Ion: 83 Resp: 56183

Ion Ratio Lower Upper

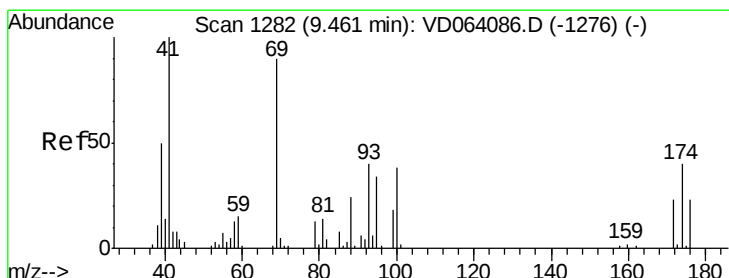
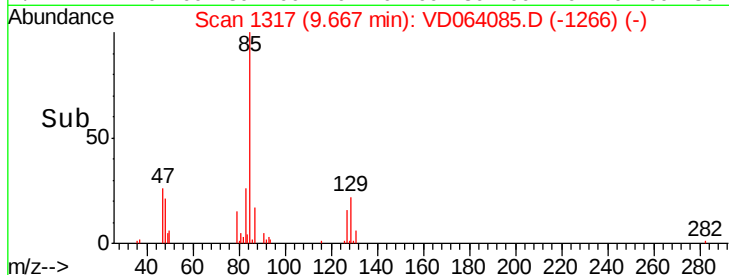
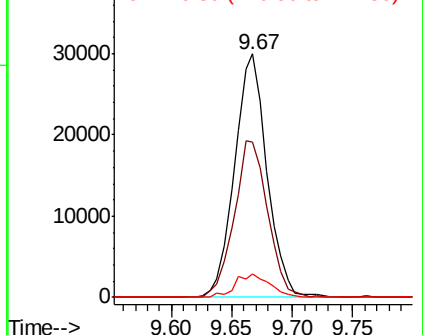
83 100

85 63.8 51.4 77.0

127 9.9 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: 19.893 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

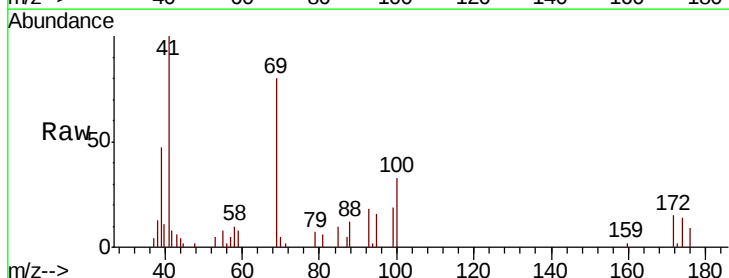
Tgt Ion: 41 Resp: 16733

Ion Ratio Lower Upper

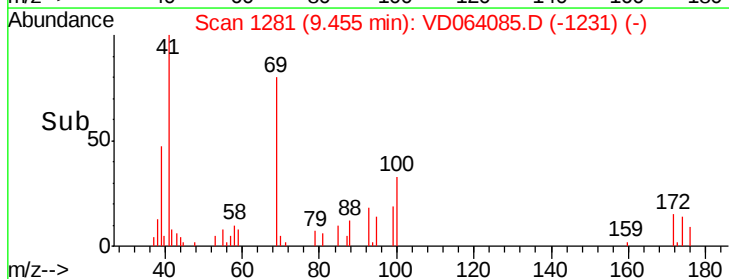
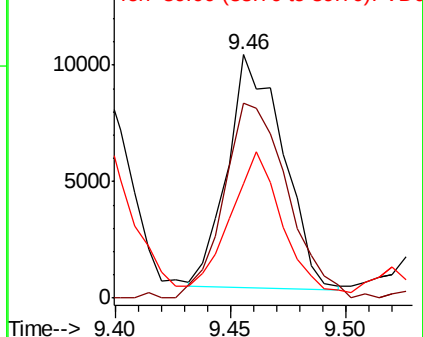
41 100

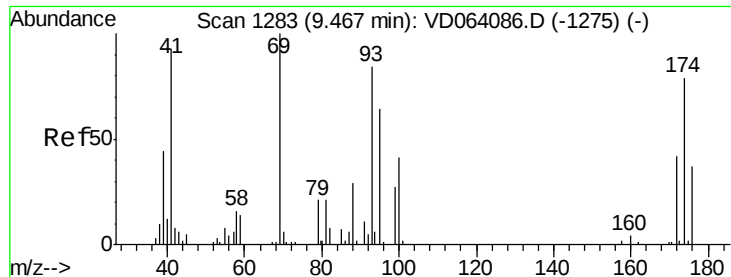
69 96.9 82.6 124.0

39 61.6 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: 413.033 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

Instrument :

MSVOA_D

ClientSampled :

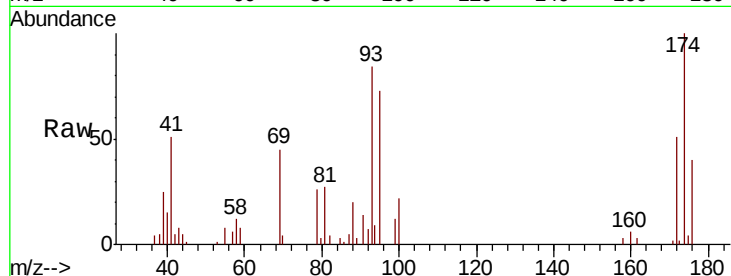
Tot Ion: 88 Resp: 5262

Ion Ratio Lower Upper

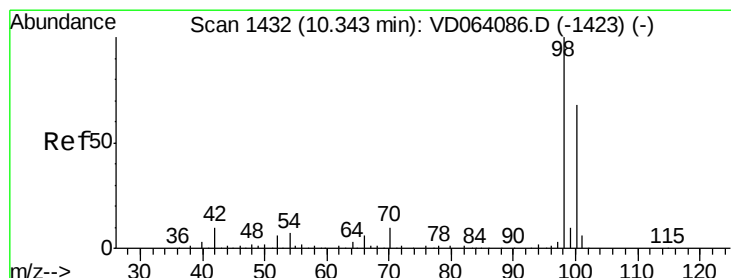
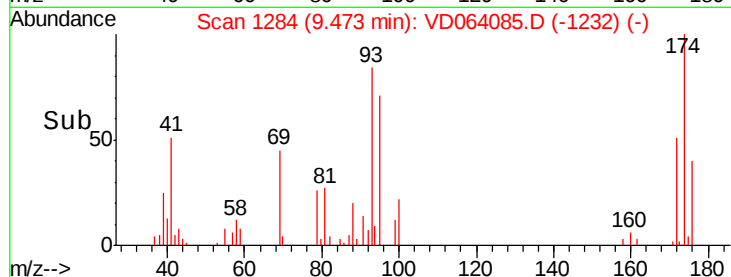
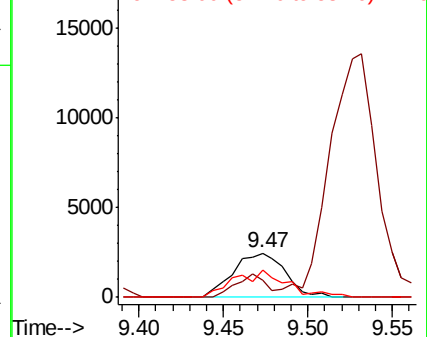
88 100

43 33.4 13.4 20.0#

58 27.5 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: 20.453 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064085.D

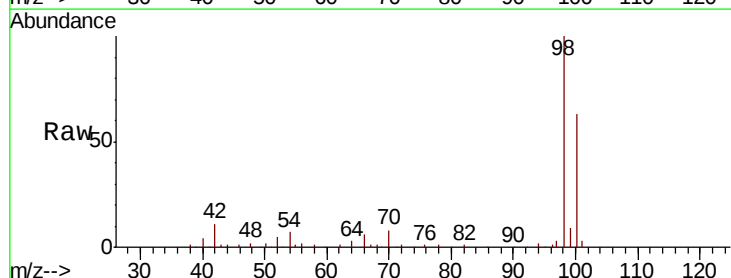
Acq: 29 Oct 2019 13:09

Tgt Ion: 98 Resp: 157039

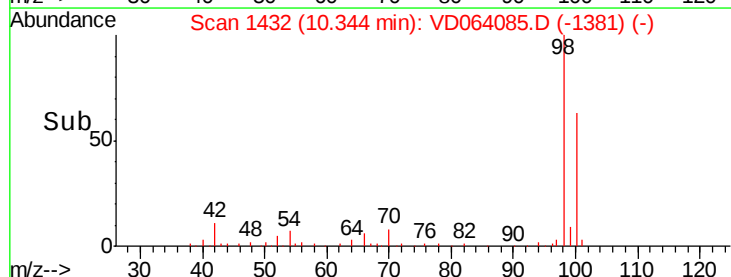
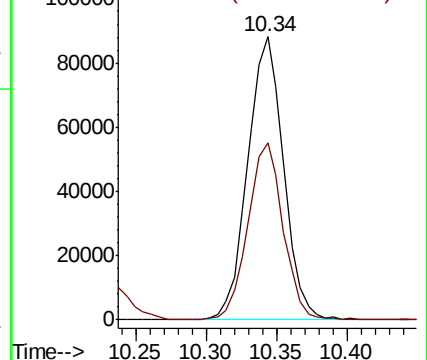
Ion Ratio Lower Upper

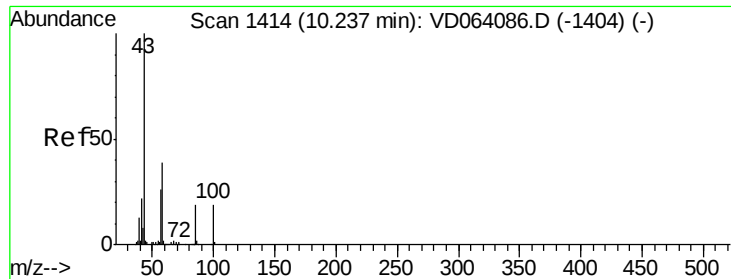
98 100

100 61.3 53.4 80.0



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

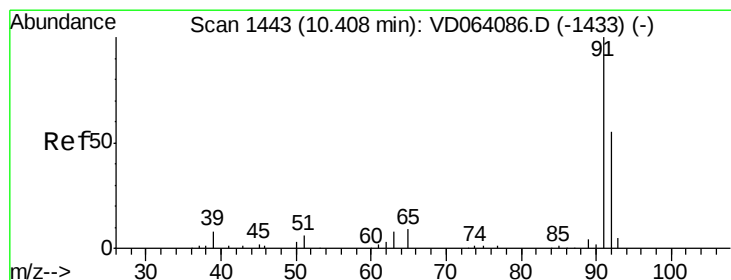
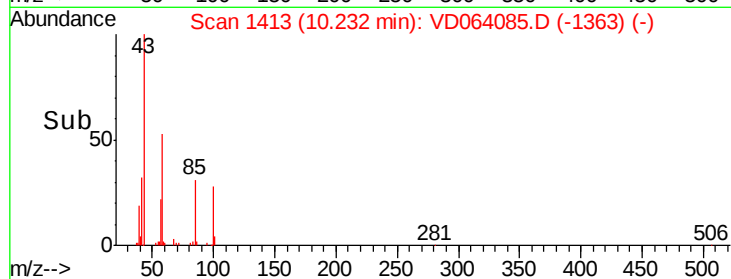
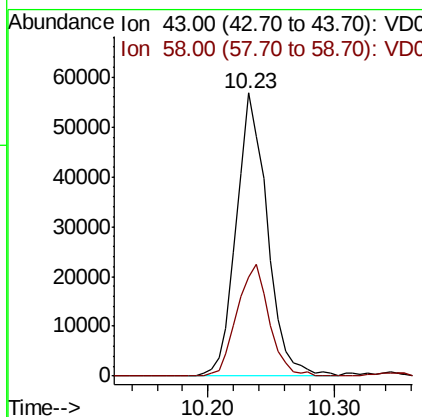
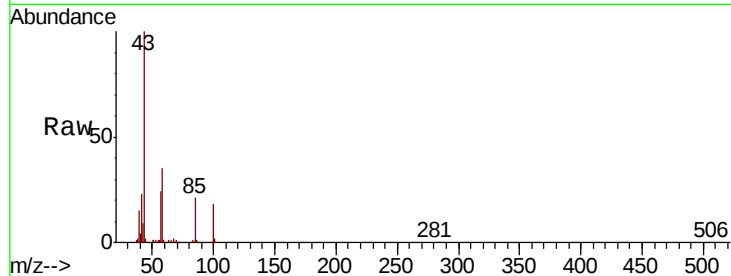




#51
4-Methyl-2-Pentanone
Concen: 97.375 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

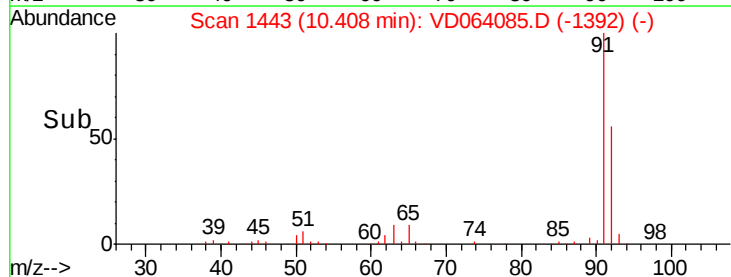
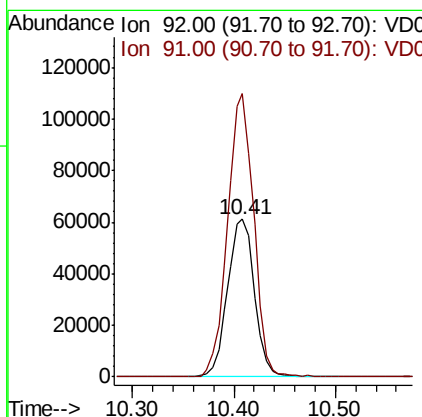
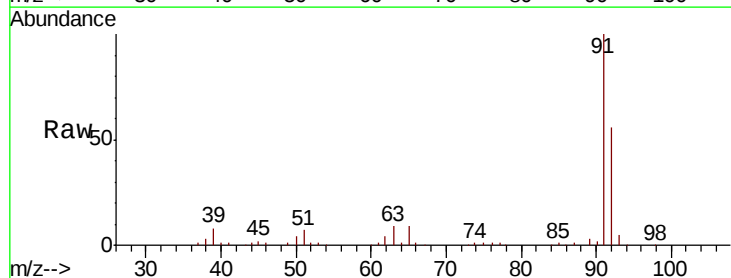
Instrument :
MSVOA_D
ClientSampleId :

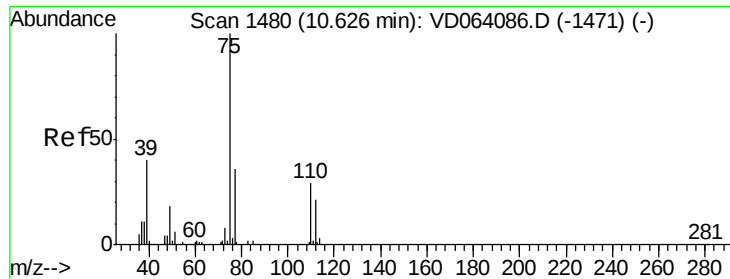
Tot Ion: 43 Resp: 96425
Ion Ratio Lower Upper
43 100
58 40.9 33.0 49.4



#52
Toluene
Concen: 20.145 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

Tgt Ion: 92 Resp: 112575
Ion Ratio Lower Upper
92 100
91 174.0 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 19.531 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

Instrument :

MSVOA_D

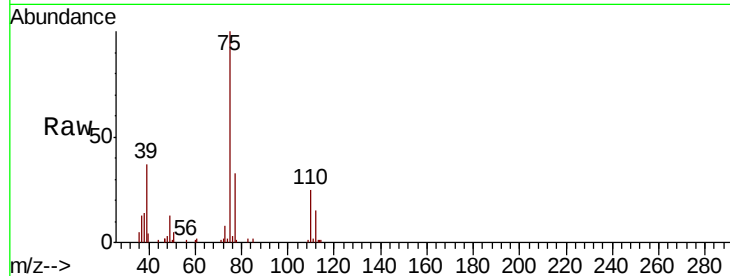
ClientSampleId :

Tot Ion: 75 Resp: 51191

Ion Ratio Lower Upper

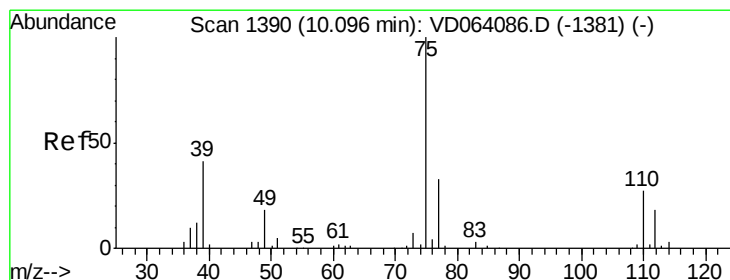
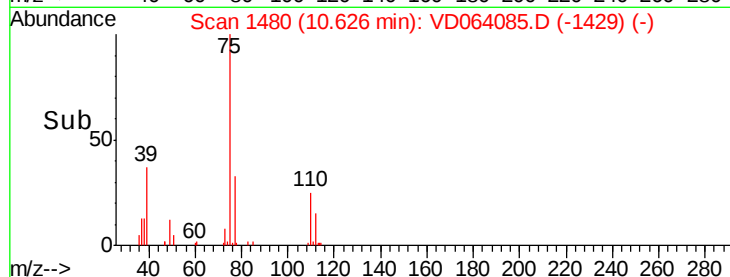
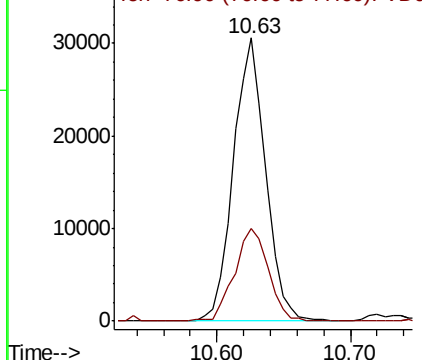
75 100

77 32.6 28.7 43.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.877 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

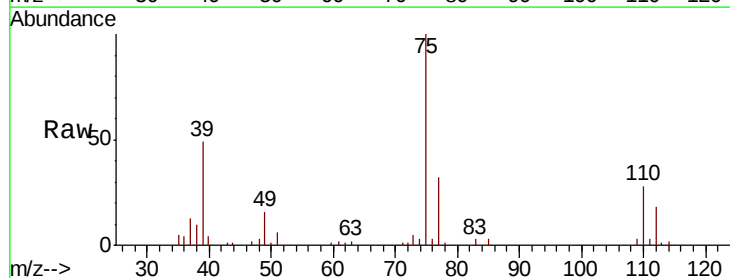
Tgt Ion: 75 Resp: 61292

Ion Ratio Lower Upper

75 100

77 32.0 26.8 40.2

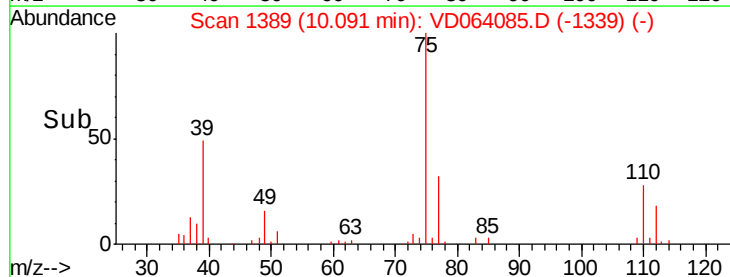
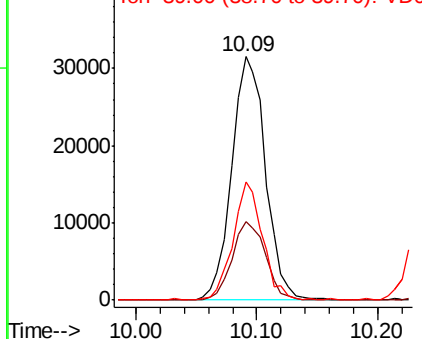
39 48.8 32.7 49.1

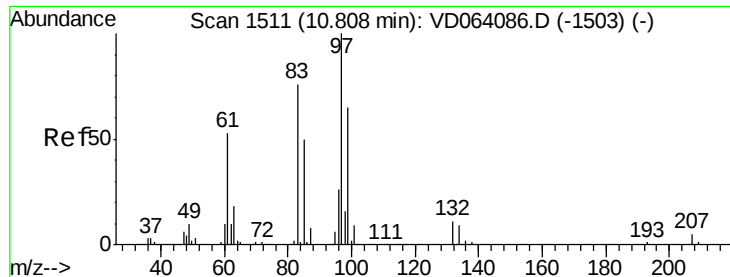


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

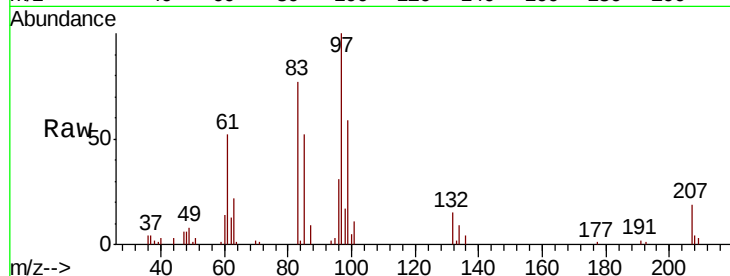




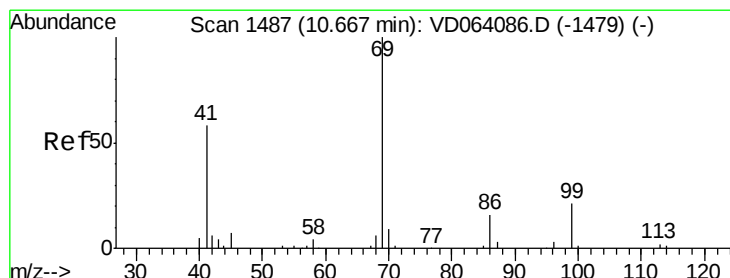
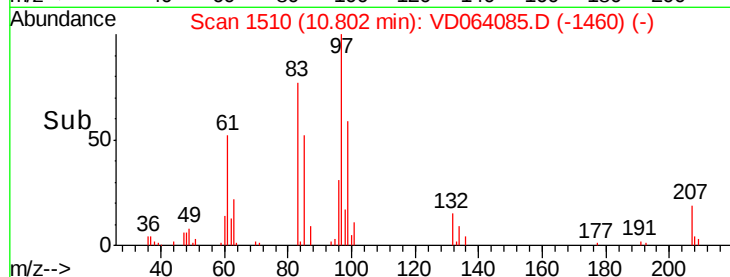
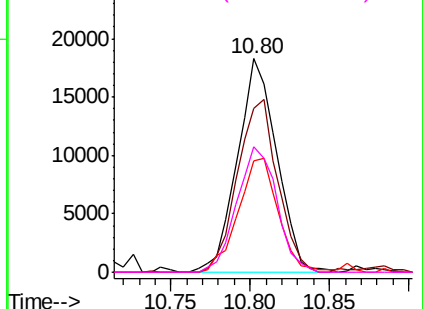
#55
 1,1,2-Trichloroethane
 Concen: 19.952 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD064085.D
 Acq: 29 Oct 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	31483
Ion	Ratio	Lower	Upper
97	100		
83	76.5	60.9	91.3
85	52.1	40.2	60.2
99	58.5	51.9	77.9

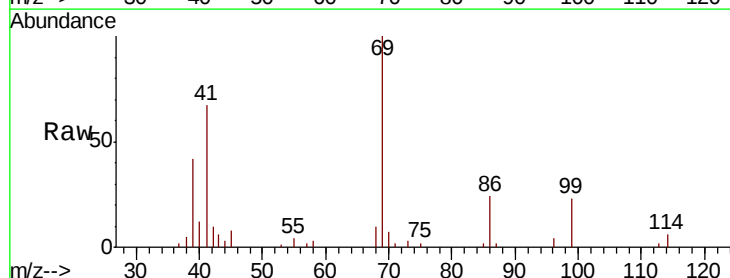


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

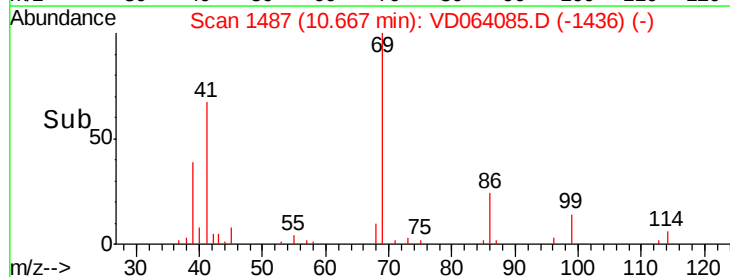
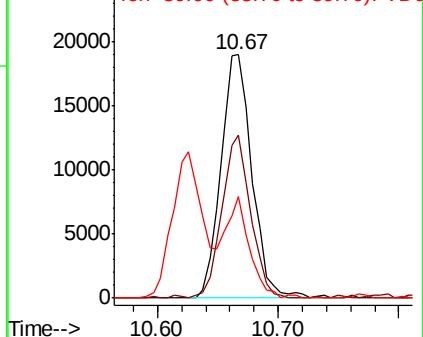


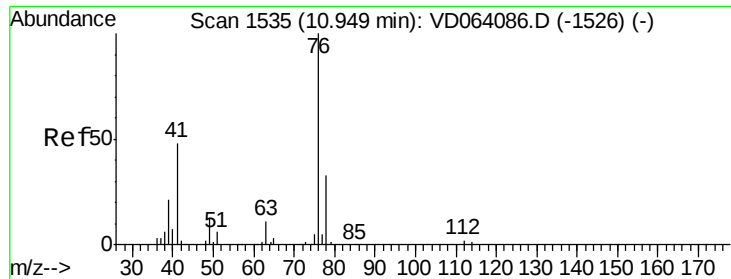
#56
 Ethyl methacrylate
 Concen: 19.695 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064085.D
 Acq: 29 Oct 2019 13:09

Tgt Ion:	69	Resp:	33746
Ion	Ratio	Lower	Upper
69	100		
41	62.1	46.9	70.3
39	32.2	27.3	40.9



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

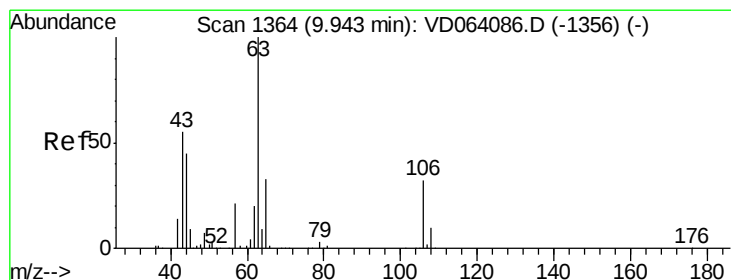
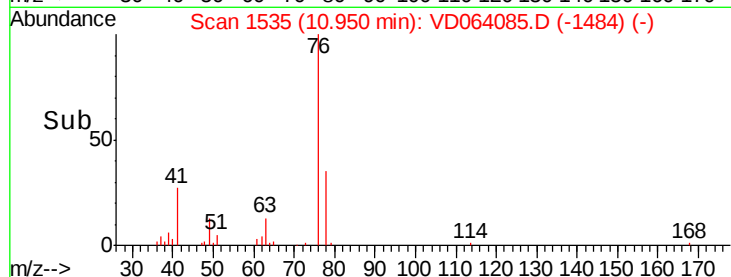
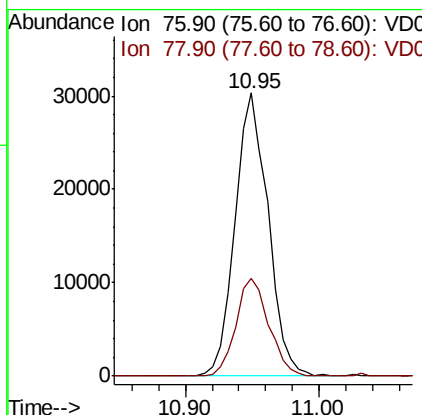
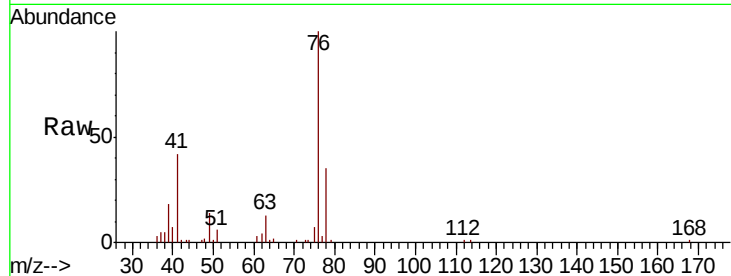




#57
 1,3-Dichloropropane
 Concen: 19.894 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064085.D
 Acq: 29 Oct 2019 13:09

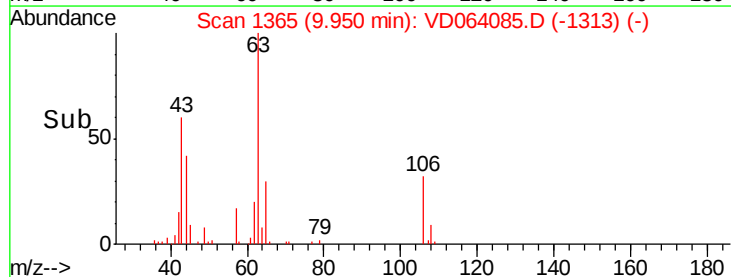
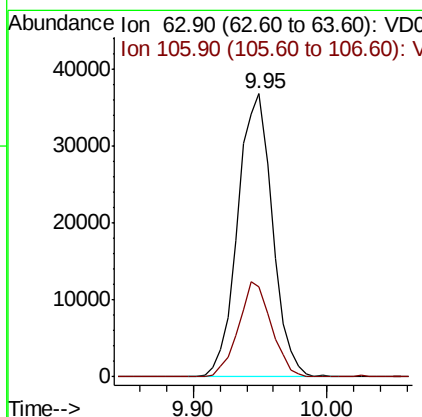
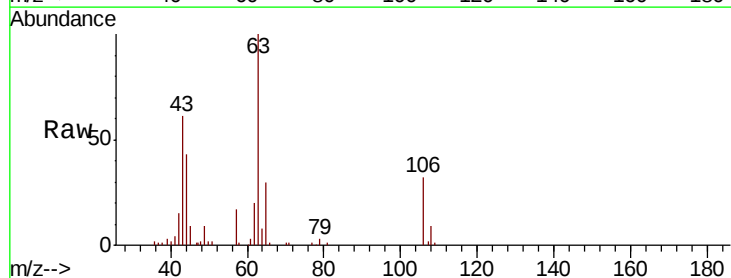
Instrument :
 MSVOA_D
 ClientSampleId :

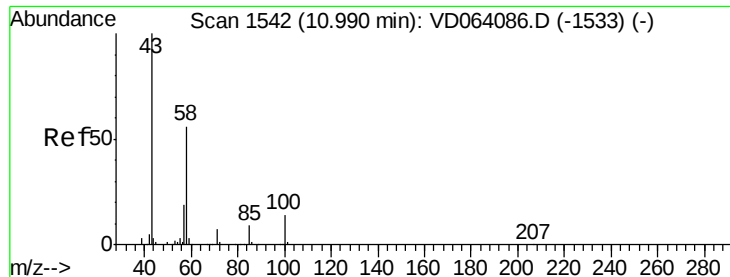
Tot Ion: 76 Resp: 51917
 Ion Ratio Lower Upper
 76 100
 78 34.1 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.665 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064085.D
 Acq: 29 Oct 2019 13:09

Tgt Ion: 63 Resp: 66135
 Ion Ratio Lower Upper
 63 100
 106 32.0 25.8 38.8

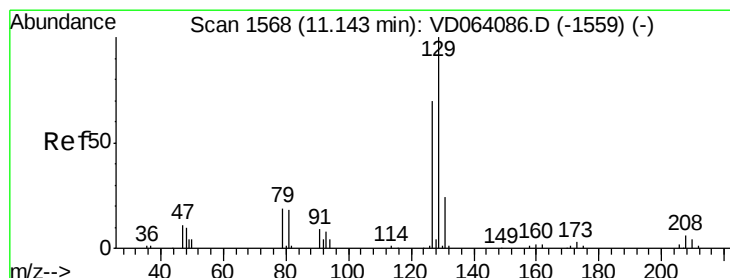
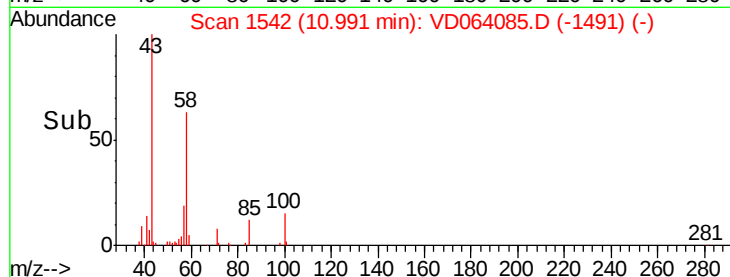
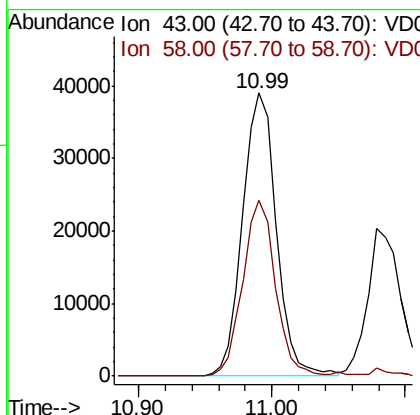
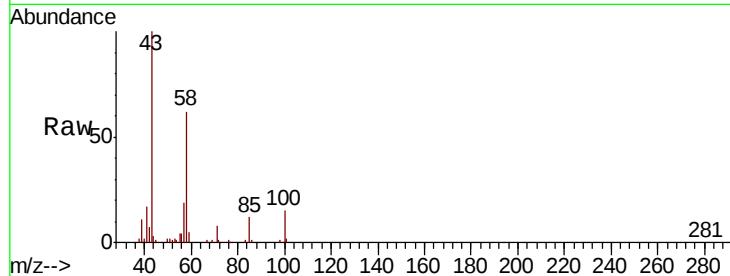




#59
2-Hexanone
Concen: 96.371 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

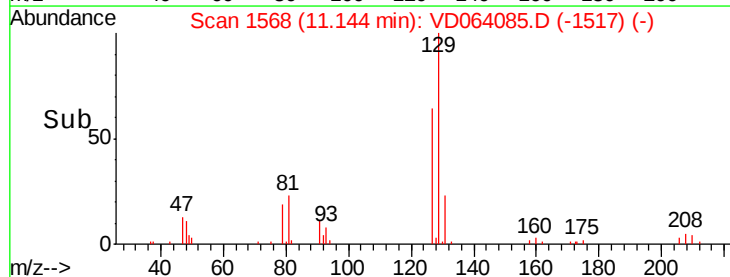
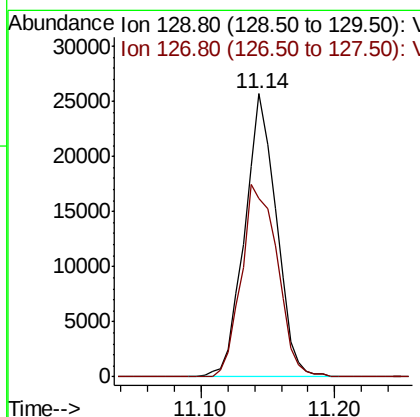
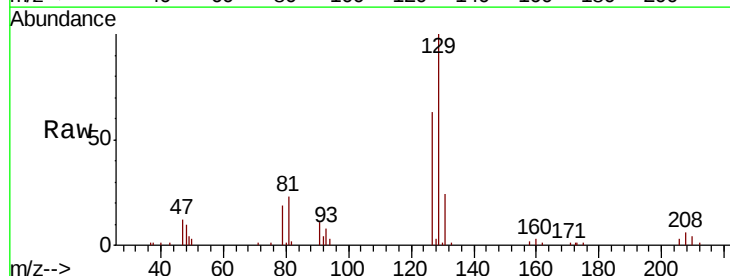
Instrument :
MSVOA_D
ClientSampleId :

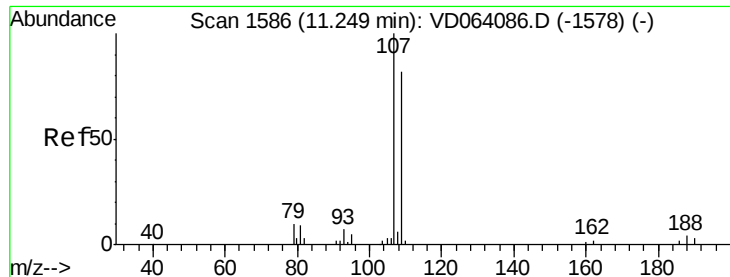
Tot Ion: 43 Resp: 68011
Ion Ratio Lower Upper
43 100
58 60.5 29.2 87.6



#60
Dibromochloromethane
Concen: 19.651 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

Tgt Ion: 129 Resp: 42088
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.8

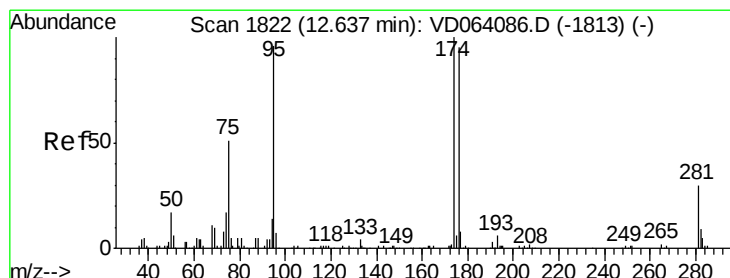
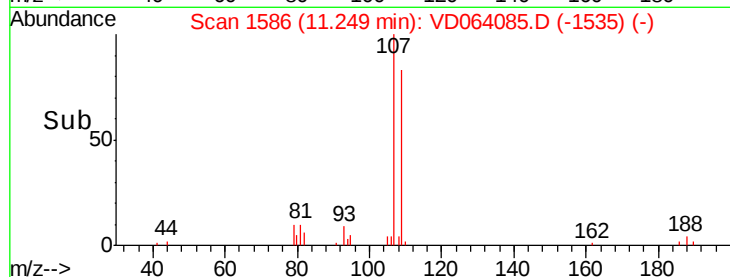
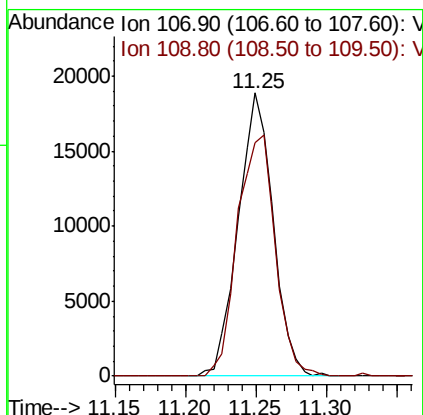
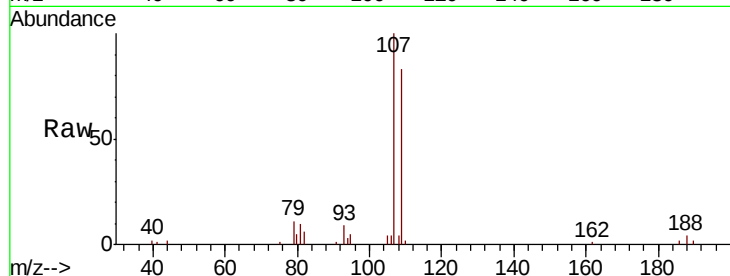




#61
1,2-Dibromoethane
Concen: 20.657 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

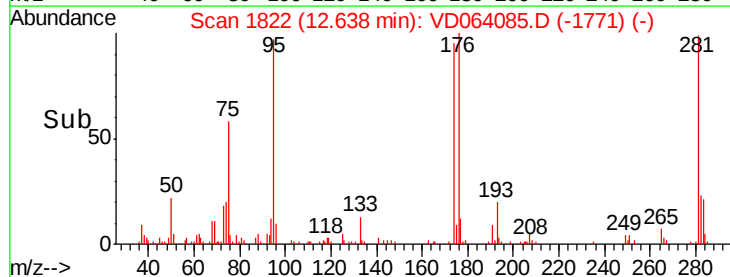
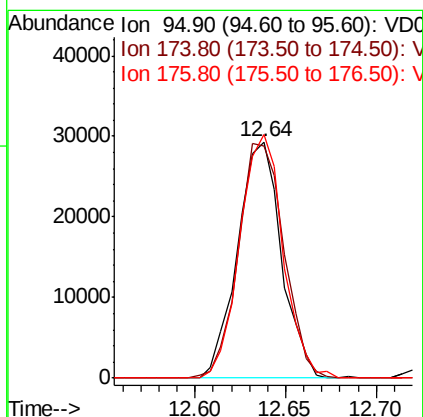
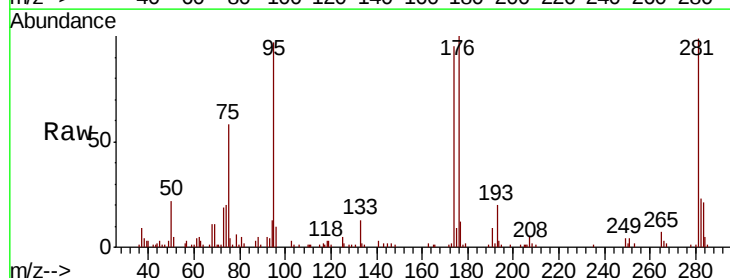
Instrument :
MSVOA_D
ClientSampleId :

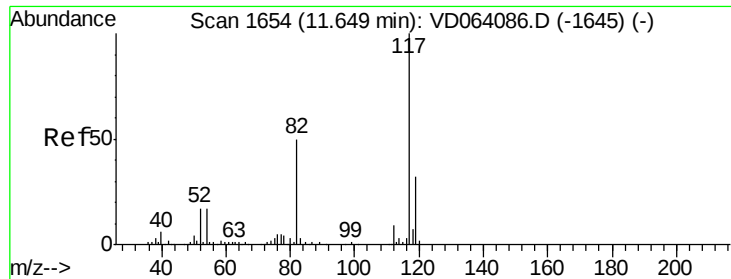
Tot Ion:107 Resp: 32601
Ion Ratio Lower Upper
107 100
109 92.9 73.0 109.4



#62
4-Bromofluorobenzene
Concen: 19.446 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

Tgt Ion: 95 Resp: 49499
Ion Ratio Lower Upper
95 100
174 102.7 0.0 201.6
176 101.3 0.0 192.6

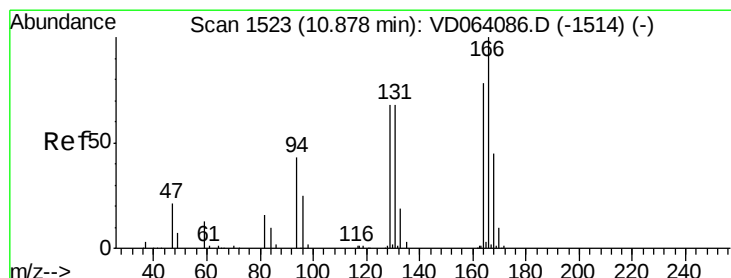
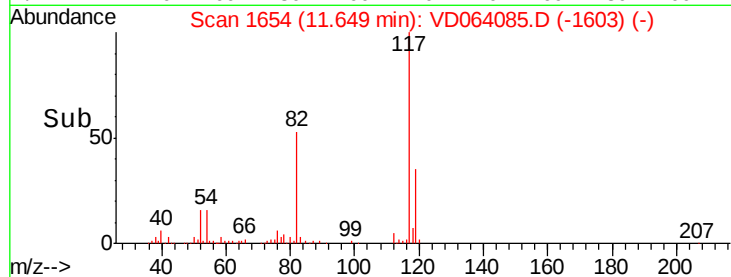
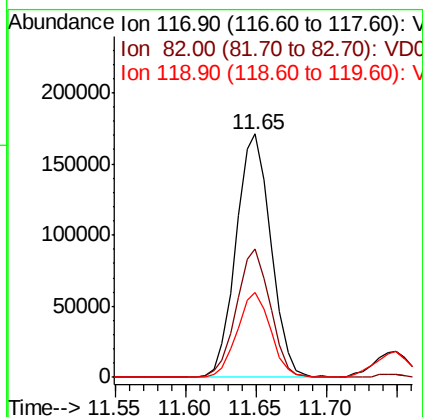
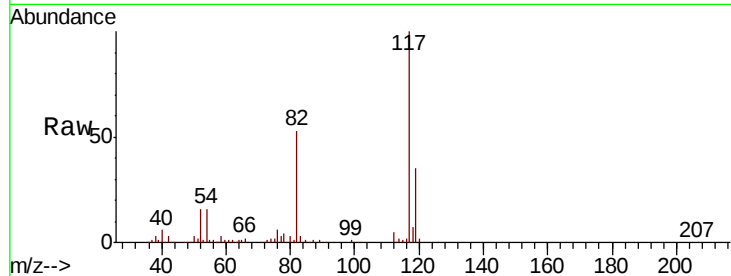




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

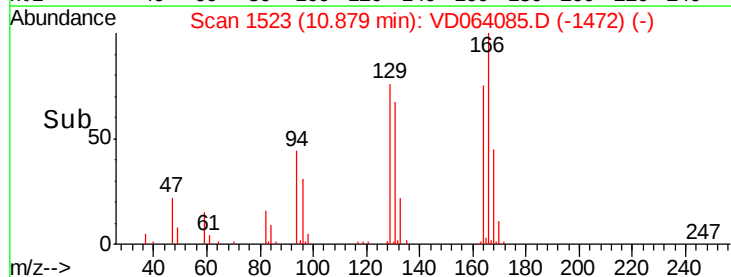
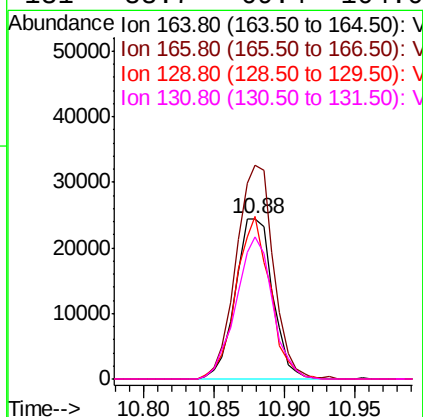
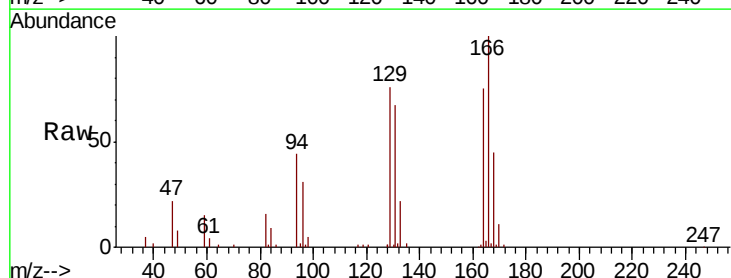
Instrument :
MSVOA_D
ClientSampleId :

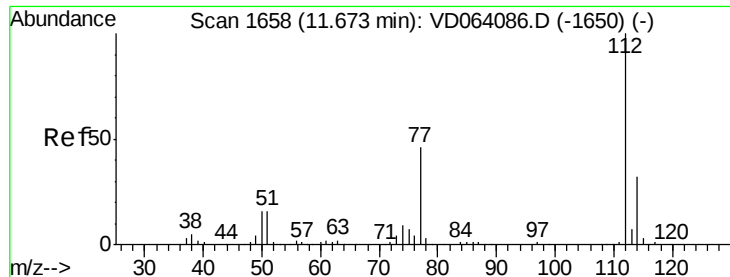
Tot Ion:117 Resp: 295626
Ion Ratio Lower Upper
117 100
82 52.8 40.2 60.4
119 34.7 26.0 39.0



#64
Tetrachloroethene
Concen: 21.233 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

Tgt Ion:164 Resp: 45095
Ion Ratio Lower Upper
164 100
166 133.0 102.7 154.1
129 101.1 69.8 104.6
131 88.7 69.4 104.0





#65

Chlorobenzene

Concen: 20.605 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

Instrument :

MSVOA_D

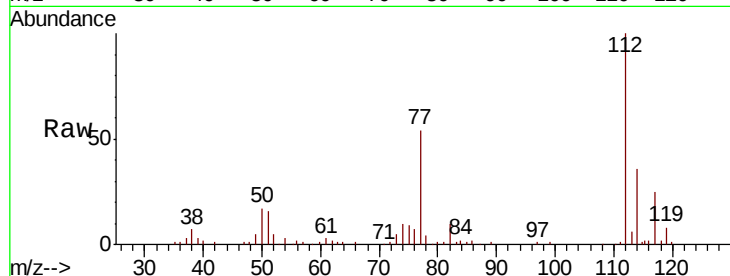
ClientSampleId :

Tot Ion:112 Resp: 125863

Ion Ratio Lower Upper

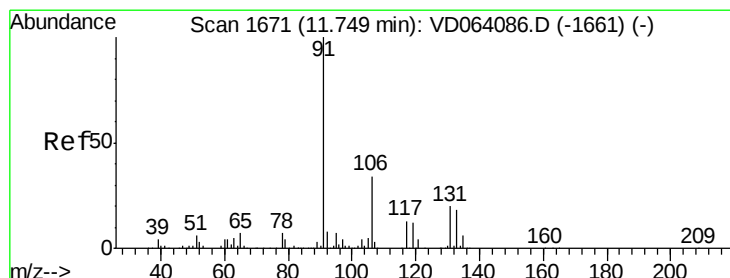
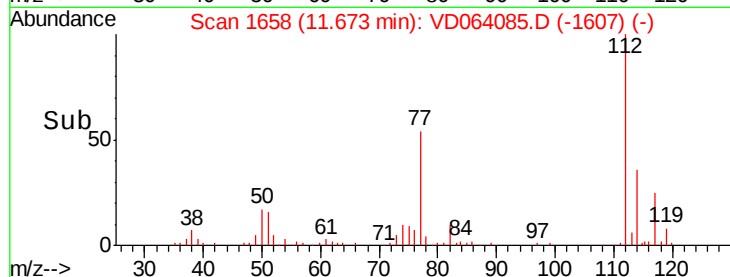
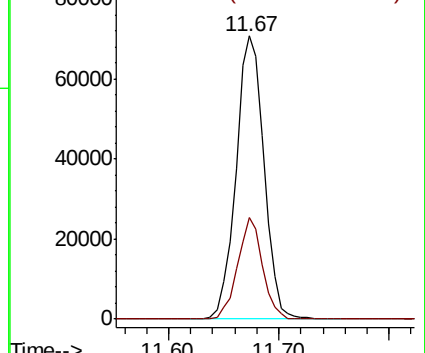
112 100

114 35.9 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.910 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

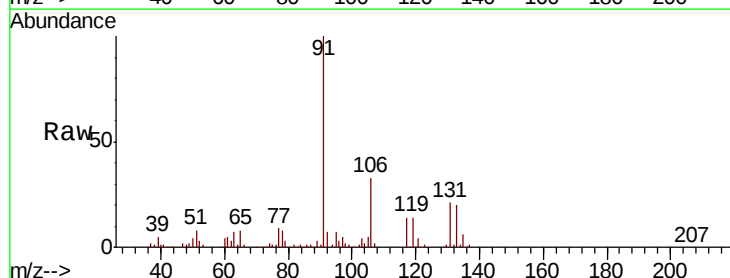
Tgt Ion:131 Resp: 45506

Ion Ratio Lower Upper

131 100

133 94.3 47.6 142.9

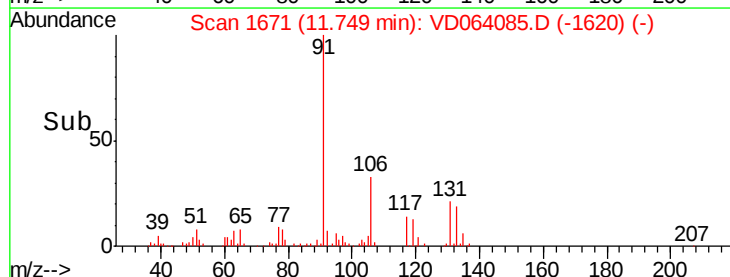
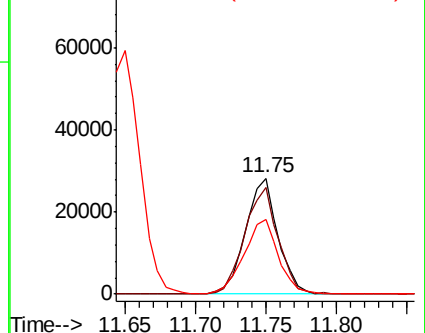
119 68.5 31.4 94.3

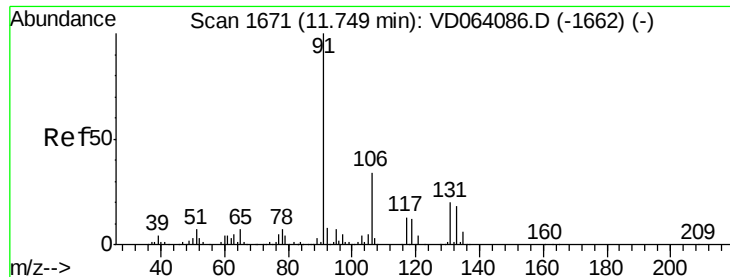


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.371 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

Instrument :

MSVOA_D

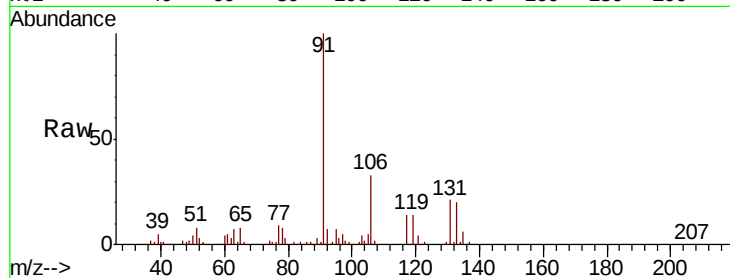
ClientSampleId :

Tot Ion: 91 Resp: 221322

Ion Ratio Lower Upper

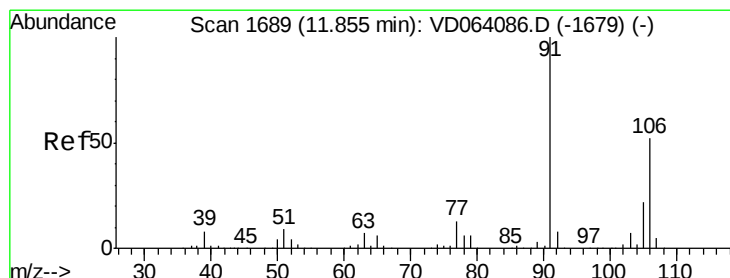
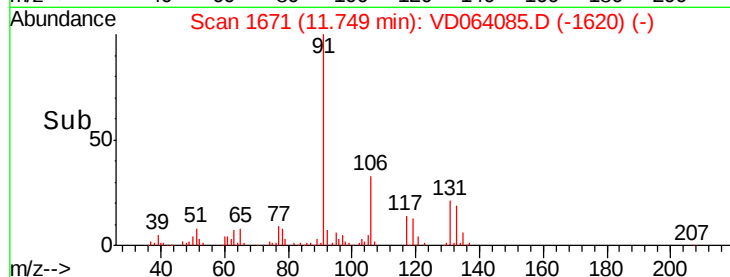
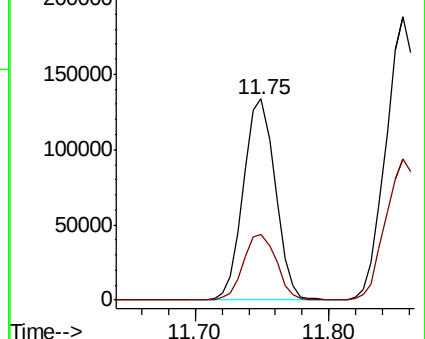
91 100

106 32.6 27.0 40.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 41.380 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064085.D

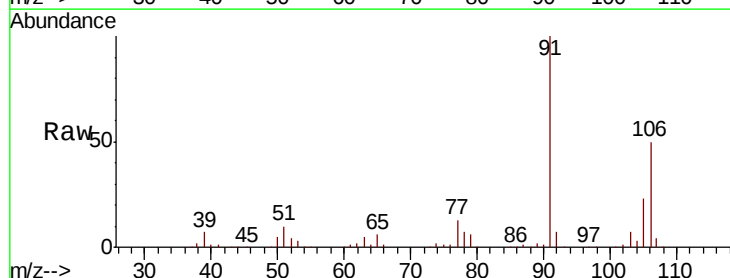
Acq: 29 Oct 2019 13:09

Tgt Ion: 106 Resp: 180830

Ion Ratio Lower Upper

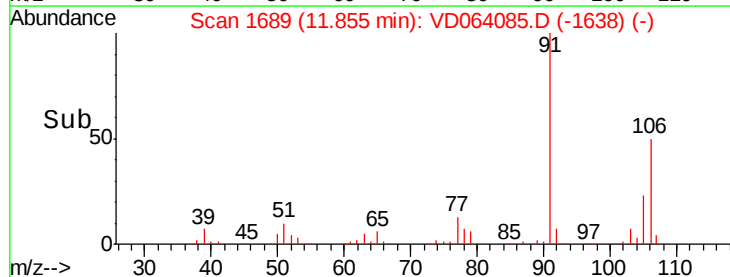
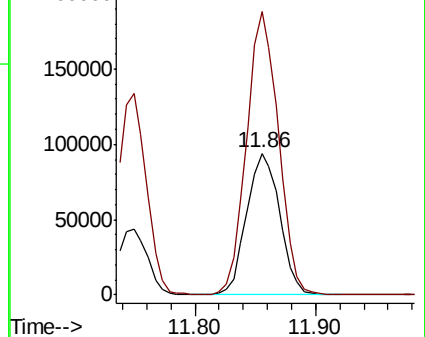
106 100

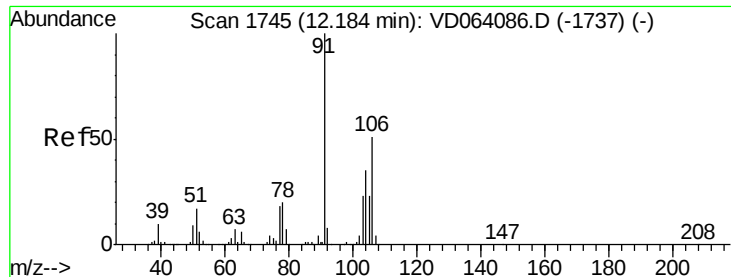
91 192.6 154.0 231.0



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

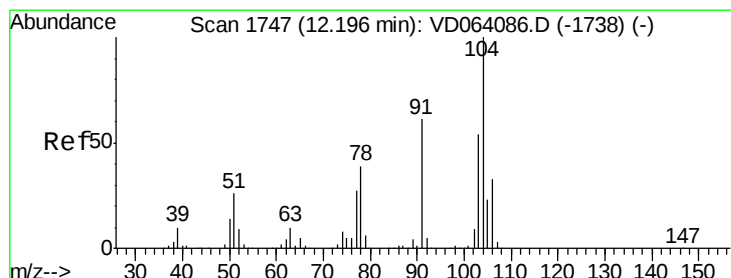
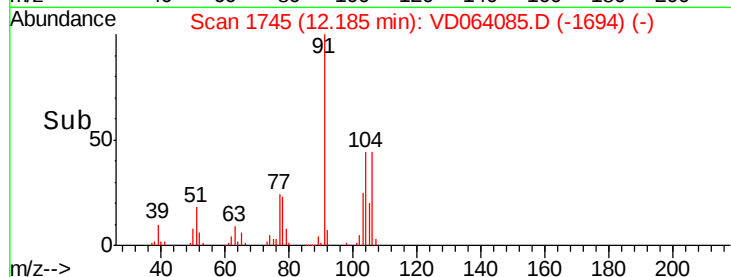
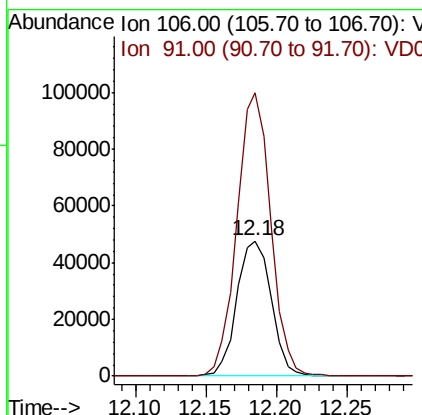
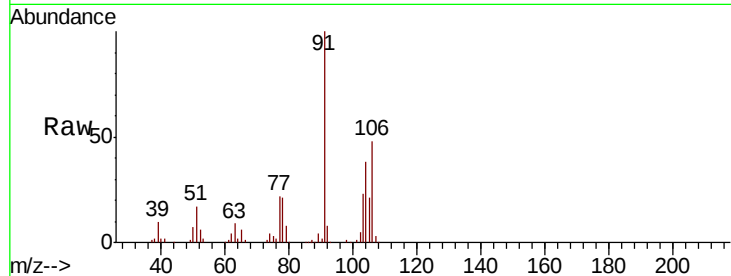




#69
o-Xylene
Concen: 20.466 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

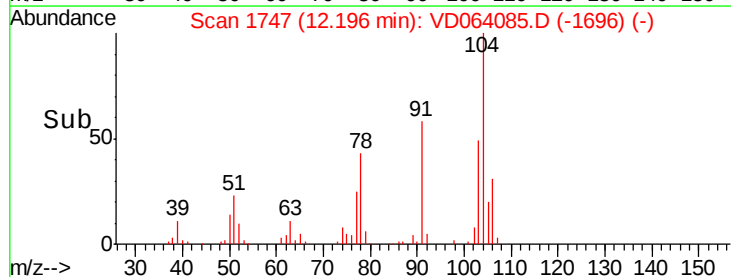
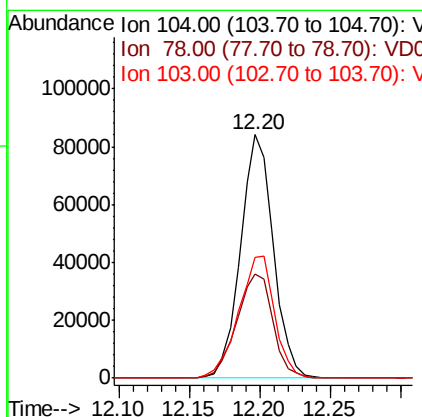
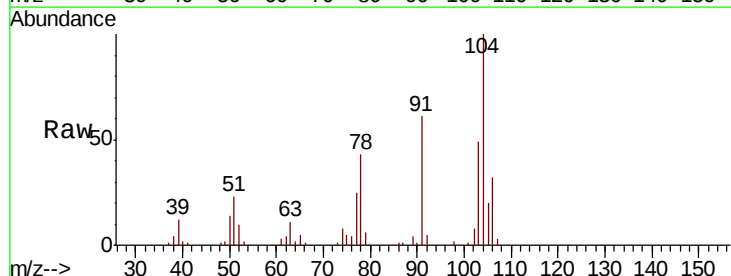
Instrument :
MSVOA_D
ClientSampled :

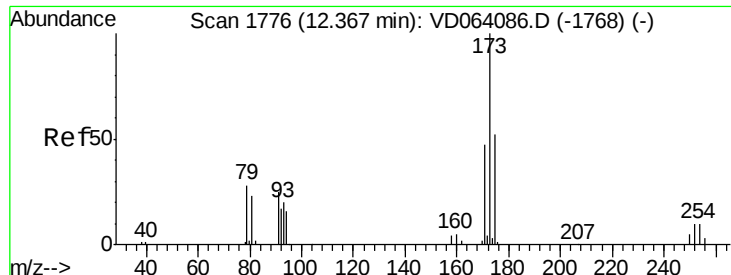
Tot Ion:106 Resp: 81623
Ion Ratio Lower Upper
106 100
91 204.2 100.6 301.9



#70
Styrene
Concen: 19.891 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

Tgt Ion:104 Resp: 136822
Ion Ratio Lower Upper
104 100
78 47.0 34.6 51.8
103 54.8 44.2 66.2

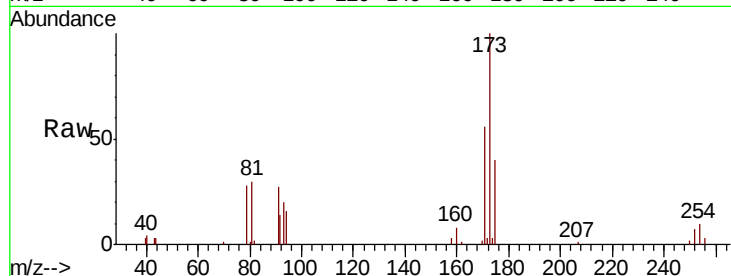




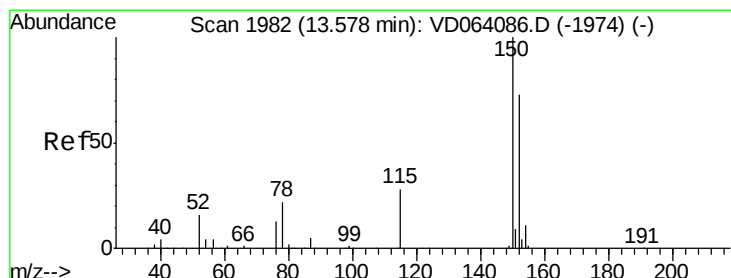
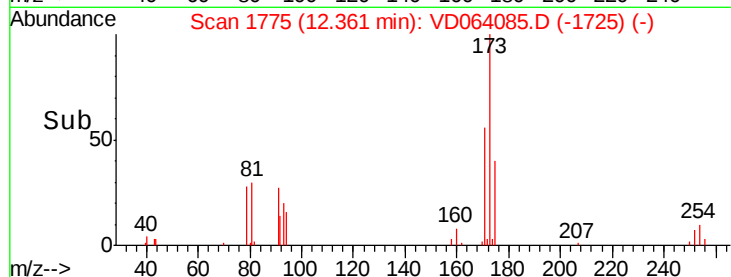
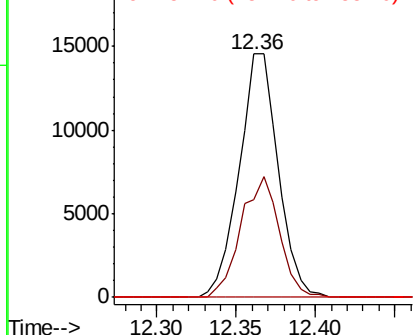
#71
Bromoform
Concen: 20.404 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 24906
Ion Ratio Lower Upper
173 100
175 48.9 24.3 72.9
254 0.0 0.0 0.0

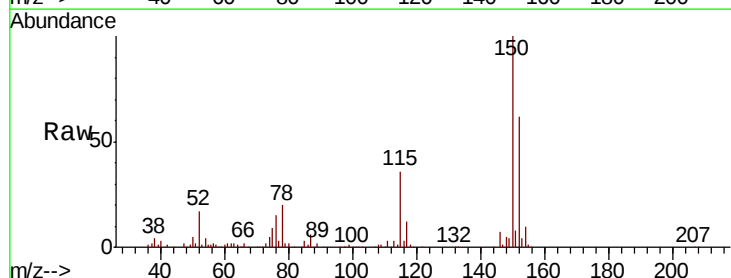


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

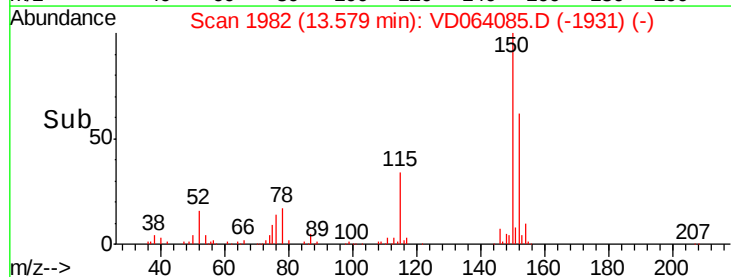
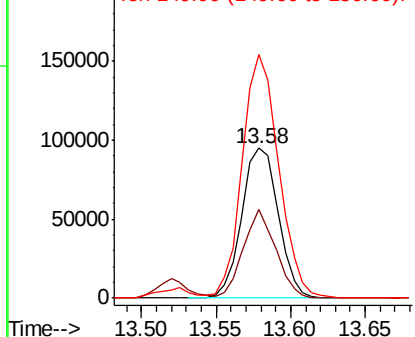


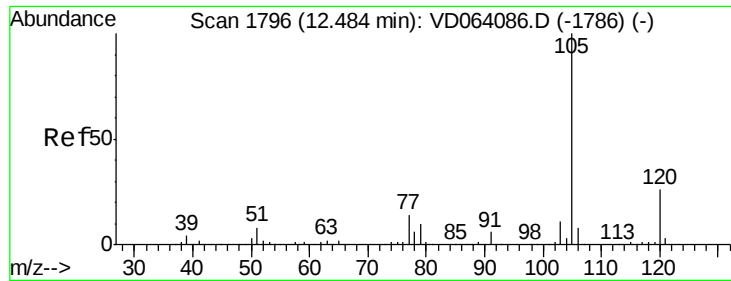
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

Tgt Ion:152 Resp: 161129
Ion Ratio Lower Upper
152 100
115 52.5 26.2 78.6
150 161.9 0.0 338.8



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





#73

Isopropylbenzene

Concen: 20.809 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.01 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

Instrument :

MSVOA_D

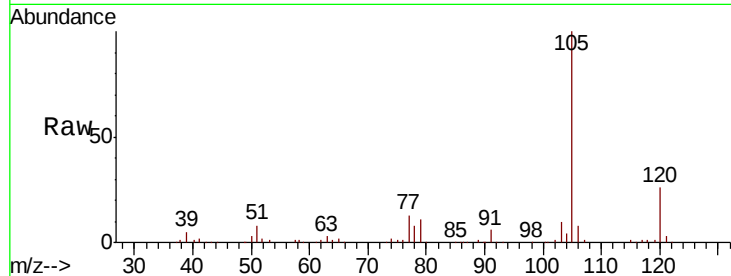
ClientSampleId :

Tot Ion:105 Resp: 232998

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

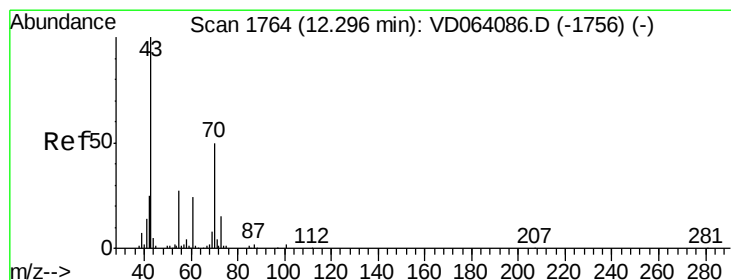
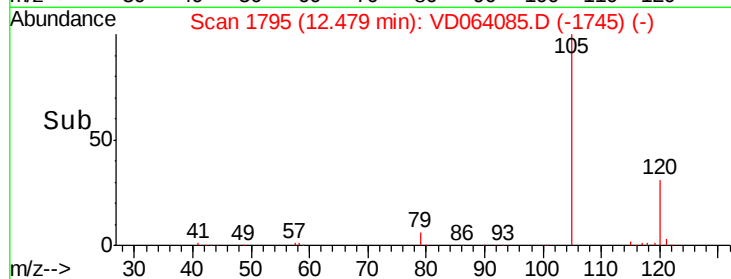
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.274 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

Tgt Ion: 43 Resp: 35852

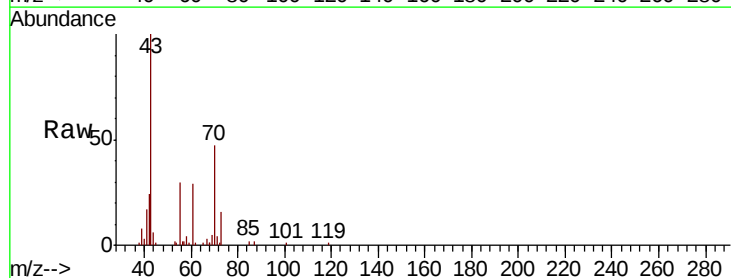
Ion Ratio Lower Upper

43 100

70 46.7 38.6 58.0

55 29.5 20.4 30.6

61 28.0 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

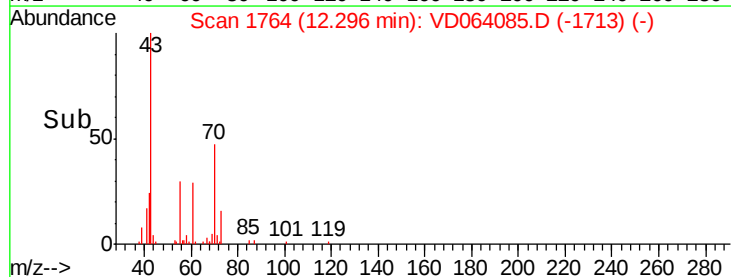
30000

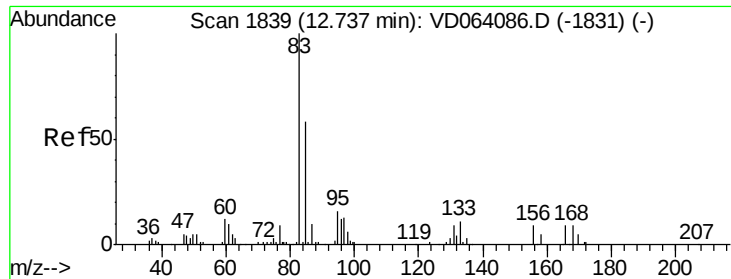
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.868 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

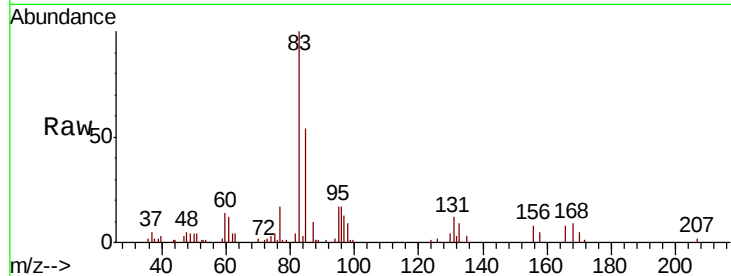
Tot Ion: 83 Resp: 35065

Ion Ratio Lower Upper

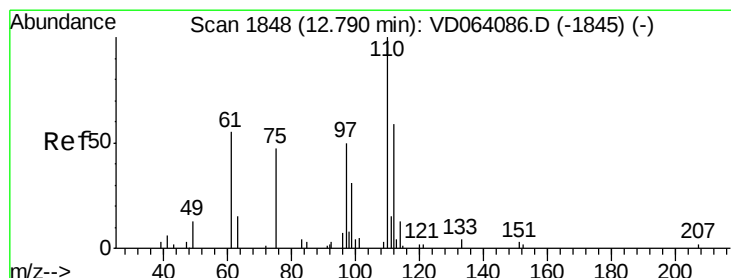
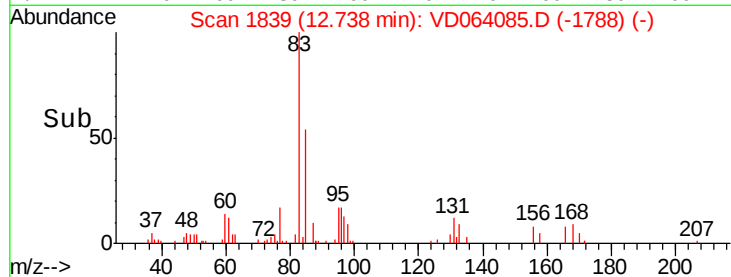
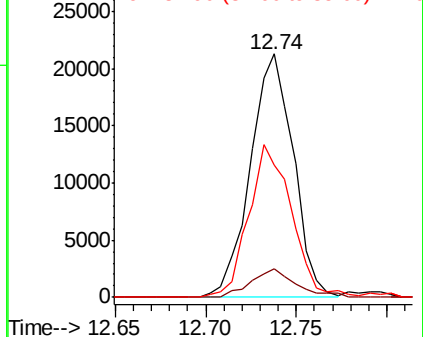
83 100

131 12.4 5.7 17.0

85 62.8 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: 20.525 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064085.D

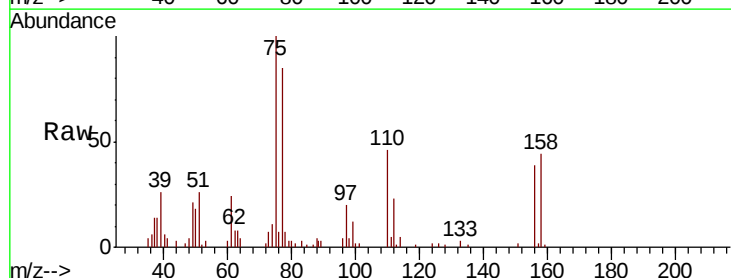
Acq: 29 Oct 2019 13:09

Tgt Ion: 75 Resp: 41032

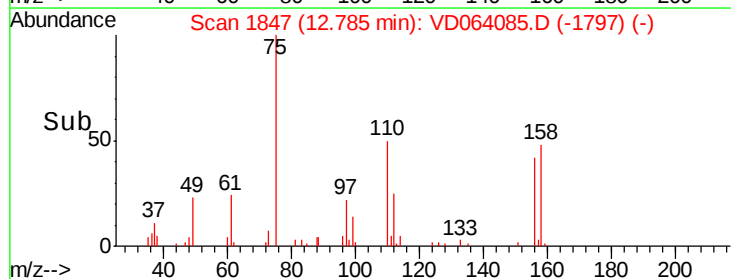
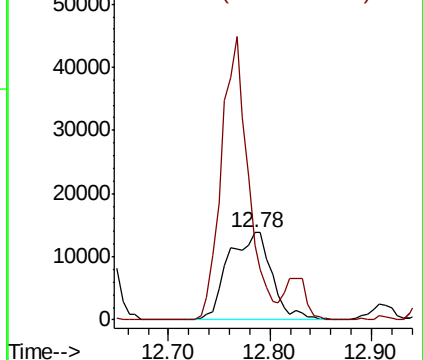
Ion Ratio Lower Upper

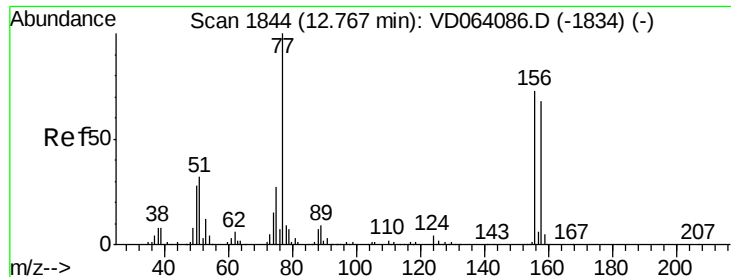
75 100

77 203.3 0.0 0.0#



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





#77

Bromobenzene

Concen: 19.441 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

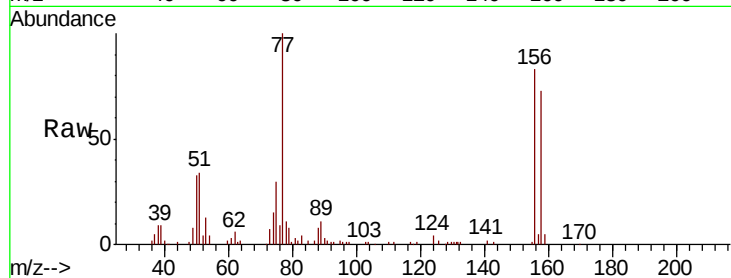
Tot Ion:156 Resp: 52558

Ion Ratio Lower Upper

156 100

77 158.8 76.0 228.0

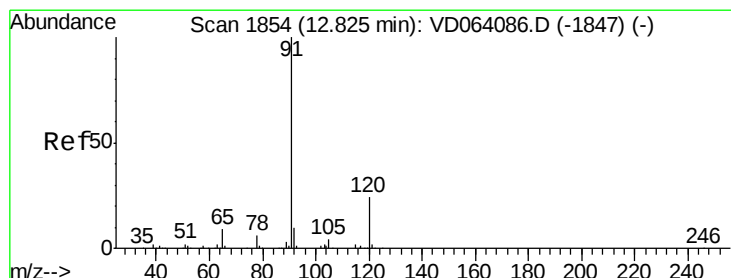
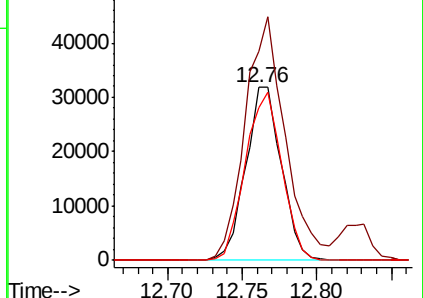
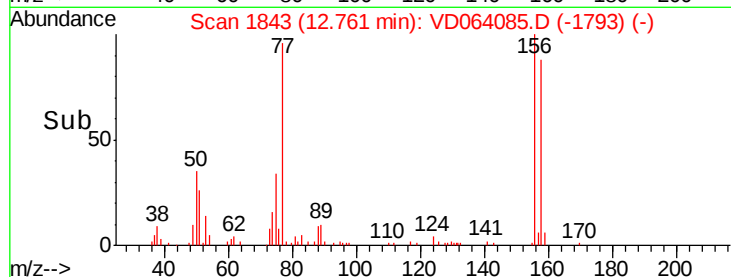
158 99.4 47.6 142.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.156 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064085.D

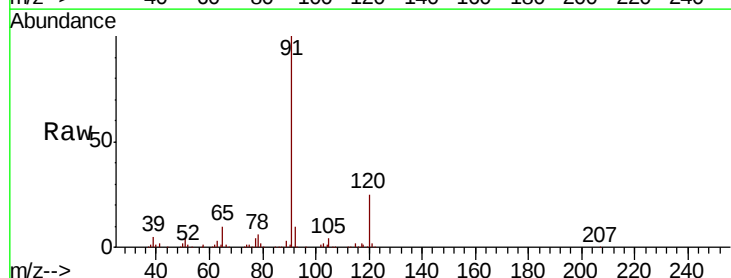
Acq: 29 Oct 2019 13:09

Tgt Ion: 91 Resp: 264474

Ion Ratio Lower Upper

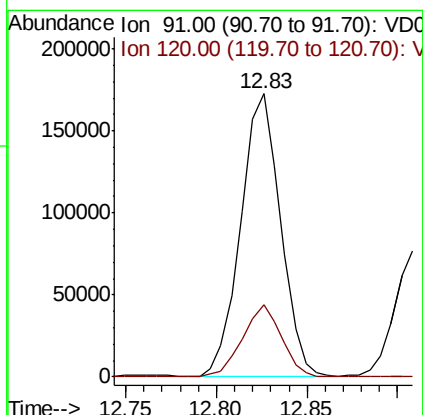
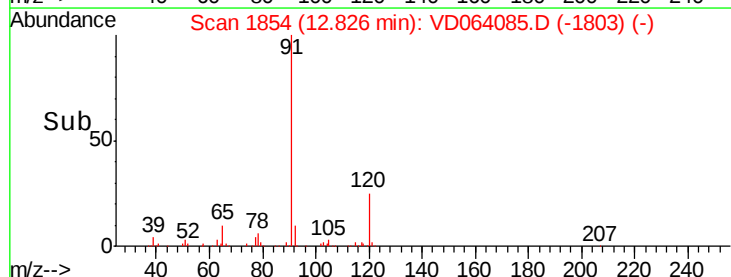
91 100

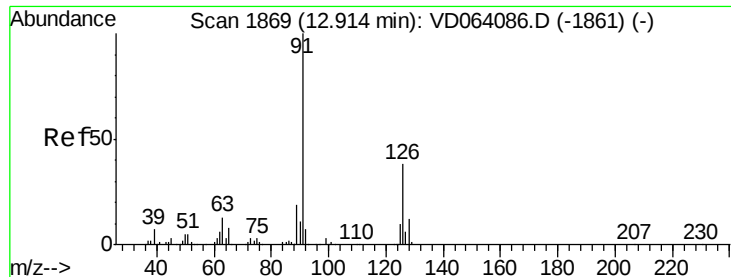
120 24.8 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

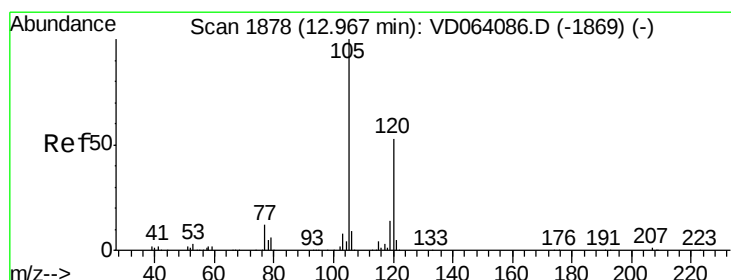
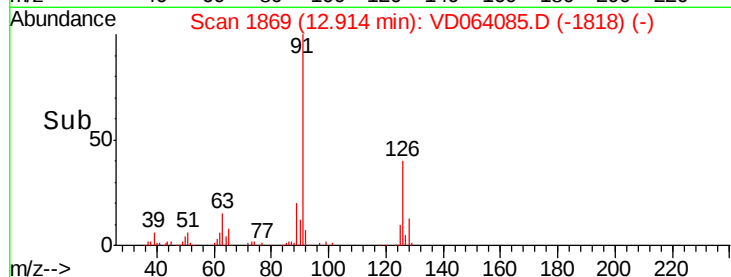
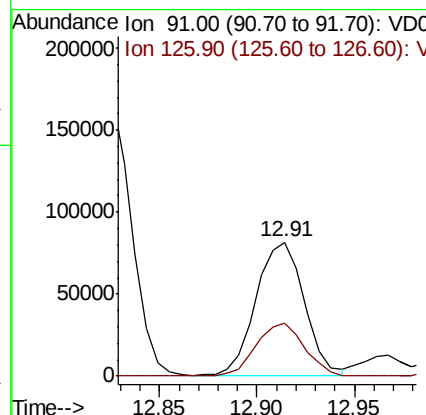
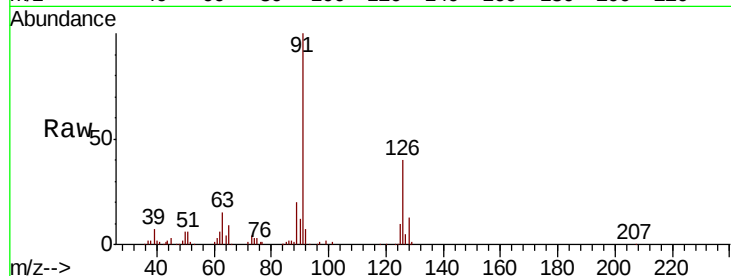




#79
2-Chlorotoluene
Concen: 20.013 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

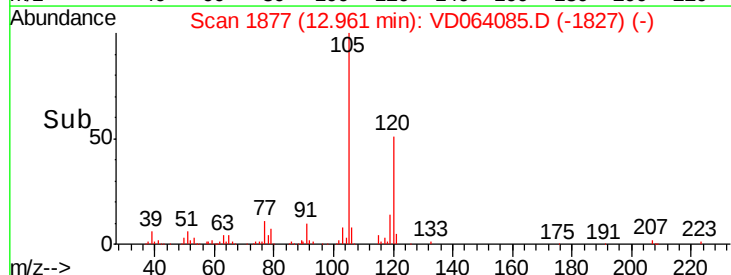
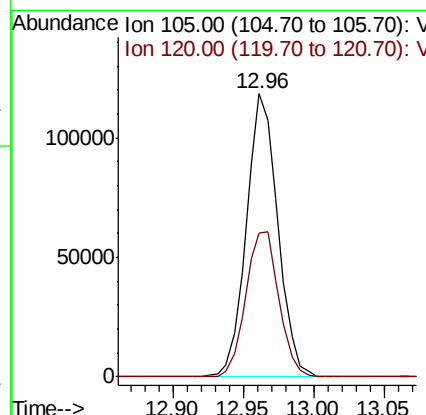
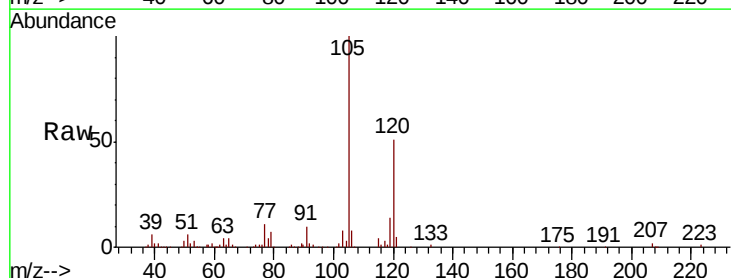
Instrument :
MSVOA_D
ClientSampleId :

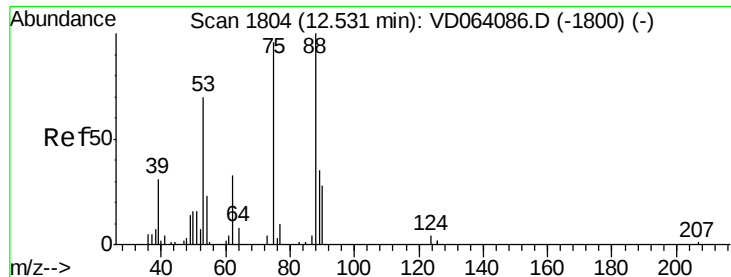
Tot Ion: 91 Resp: 140767
Ion Ratio Lower Upper
91 100
126 39.5 19.1 57.1



#80
1,3,5-Trimethylbenzene
Concen: 19.640 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.01 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

Tgt Ion: 105 Resp: 184045
Ion Ratio Lower Upper
105 100
120 54.0 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.589 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

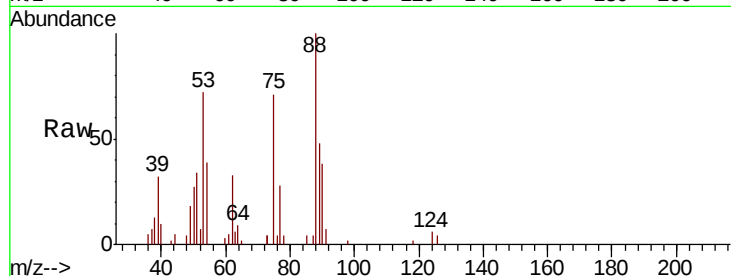
Tot Ion: 75 Resp: 10385

Ion Ratio Lower Upper

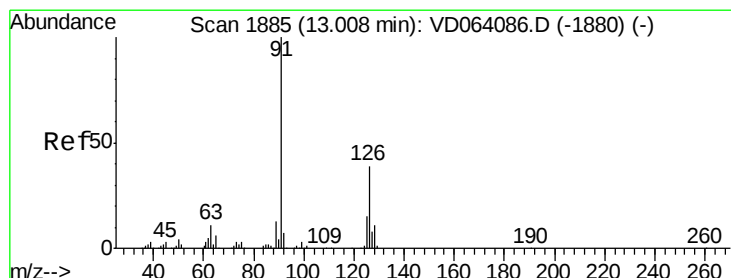
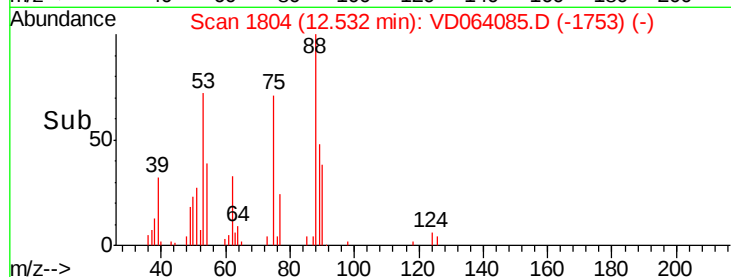
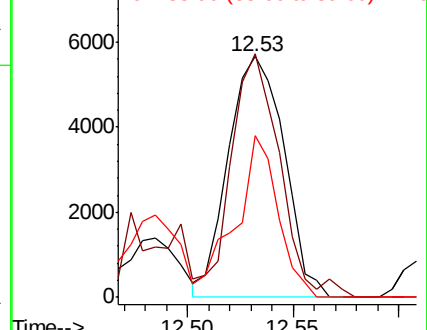
75 100

53 87.8 68.6 103.0

89 51.2 36.9 55.3



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



#82

4-Chlorotoluene

Concen: 19.744 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD064085.D

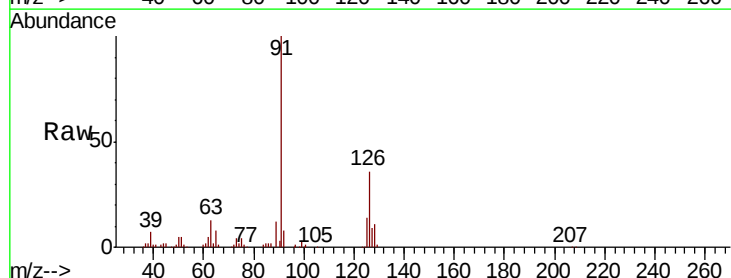
Acq: 29 Oct 2019 13:09

Tgt Ion: 91 Resp: 148392

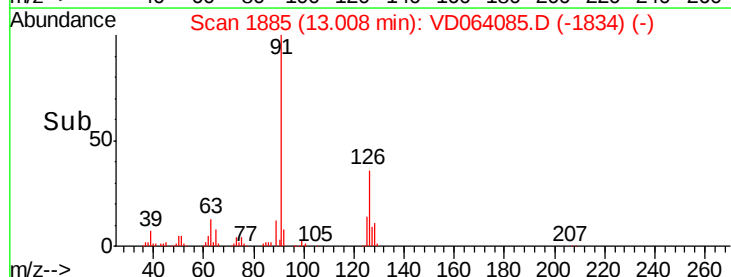
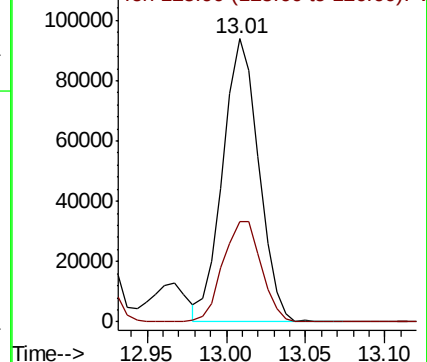
Ion Ratio Lower Upper

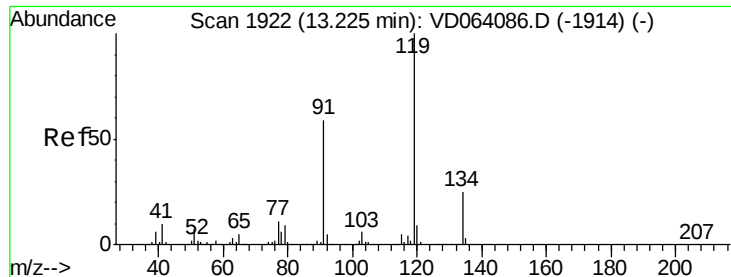
91 100

126 37.9 18.9 56.5



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

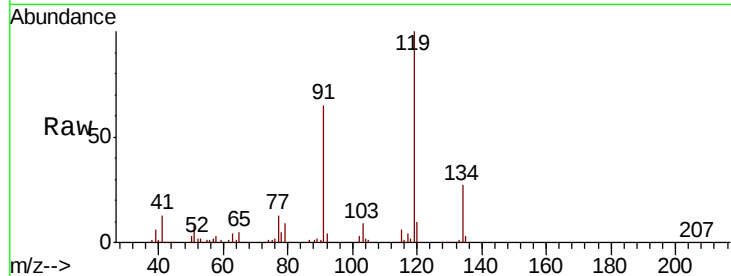




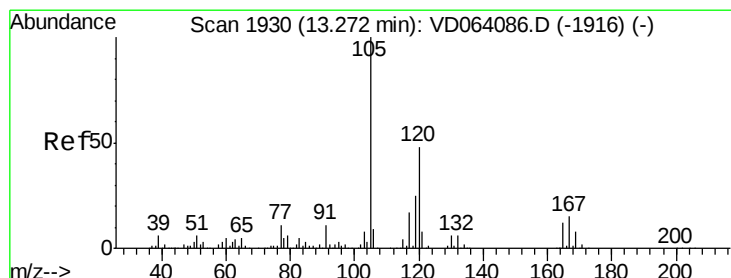
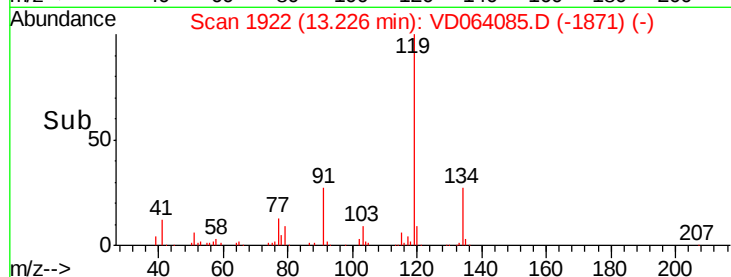
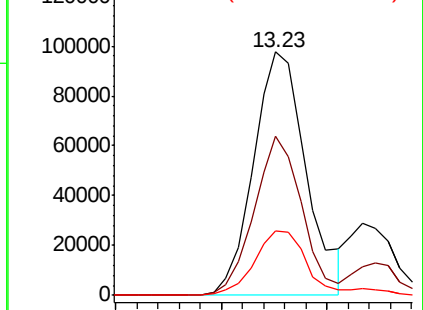
#83
tert-Butylbenzene
Concen: 20.088 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 169076
Ion Ratio Lower Upper
119 100
91 59.4 28.3 85.0
134 27.6 12.9 38.6

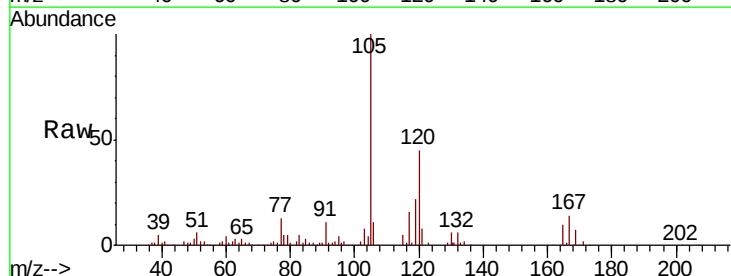


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

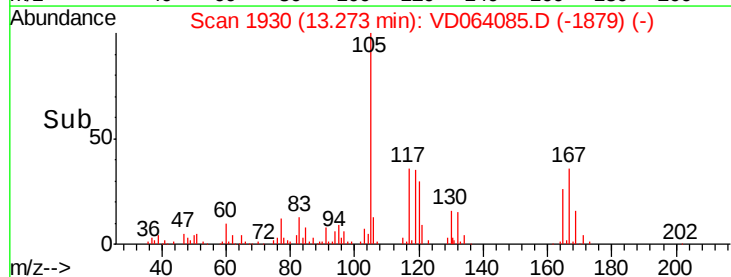
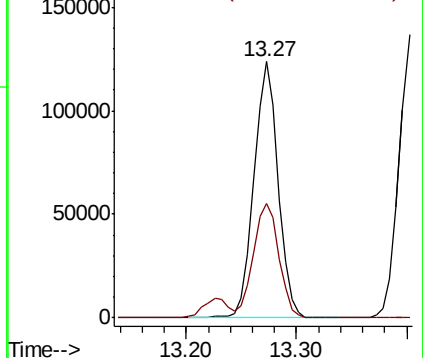


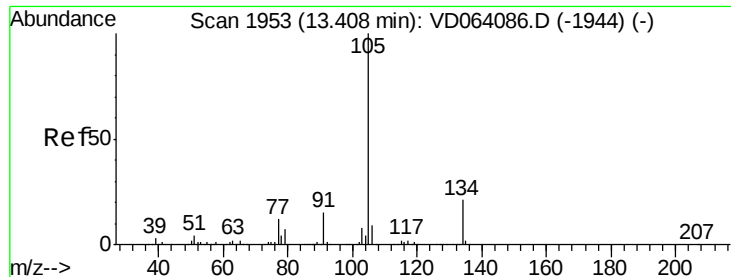
#84
1,2,4-Trimethylbenzene
Concen: 20.143 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

Tgt Ion:105 Resp: 189619
Ion Ratio Lower Upper
105 100
120 47.2 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.068 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

Instrument :

MSVOA_D

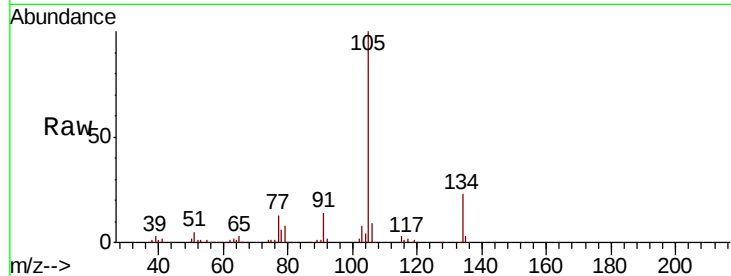
ClientSampleId :

Tot Ion:105 Resp: 231953

Ion Ratio Lower Upper

105 100

134 22.6 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

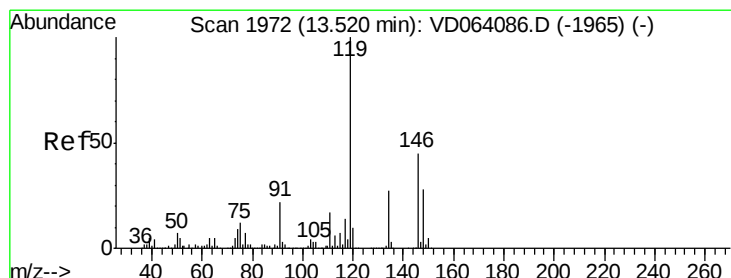
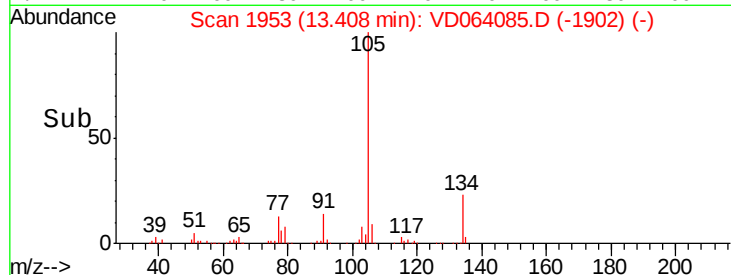
100000

50000

0

13.35 13.40 13.45 13.50

Time-->



#86

p-Isopropyltoluene

Concen: 20.187 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

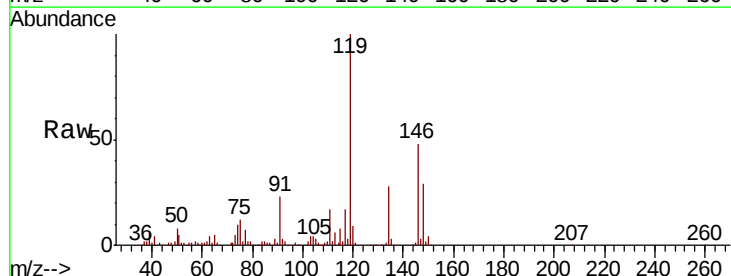
Tgt Ion:119 Resp: 219238

Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.8

91 22.0 10.9 32.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

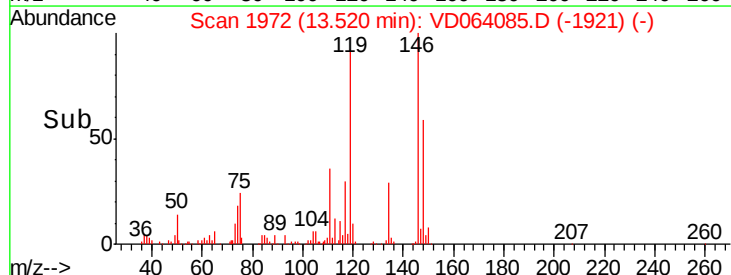
100000

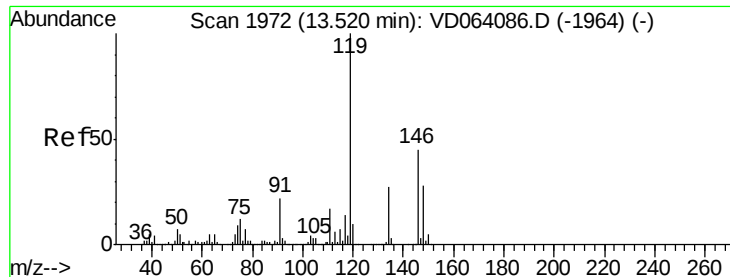
50000

0

13.45 13.50 13.55 13.60

Time-->

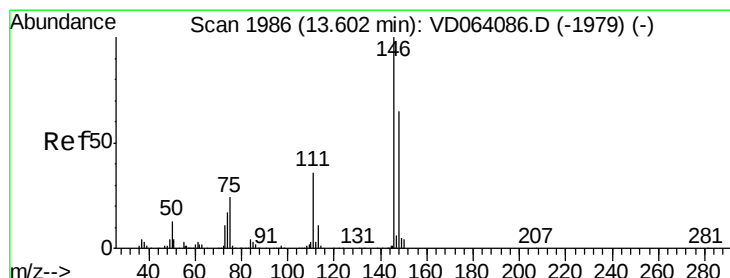
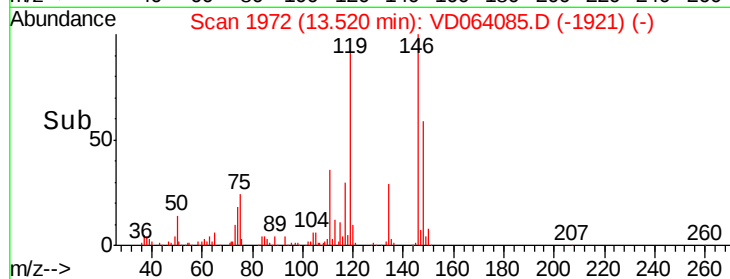
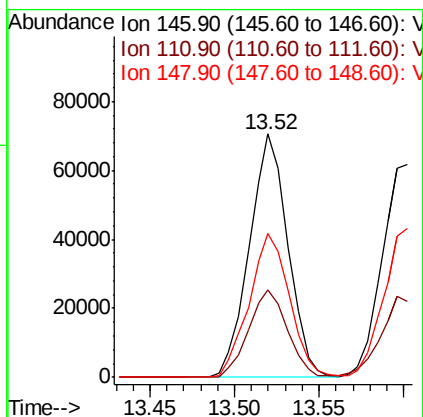
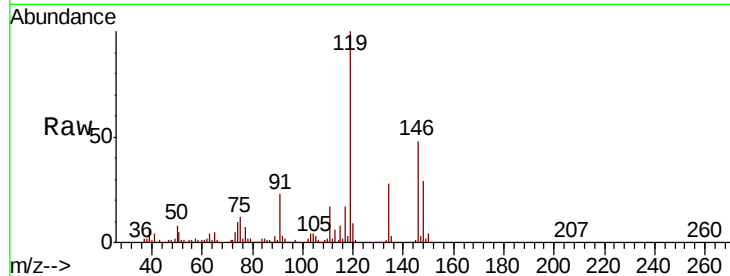




#87
 1,3-Dichlorobenzene
 Concen: 20.542 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064085.D
 Acq: 29 Oct 2019 13:09

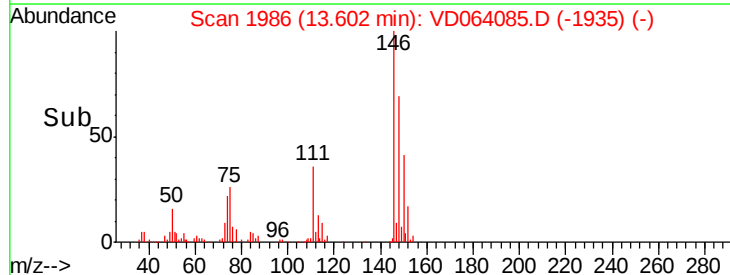
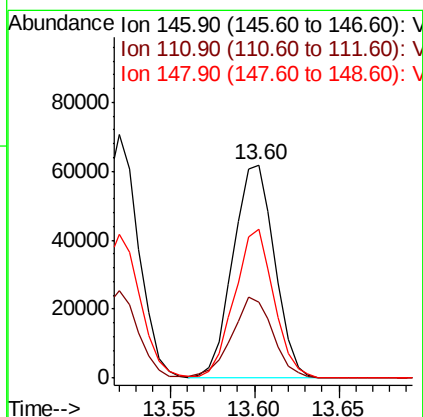
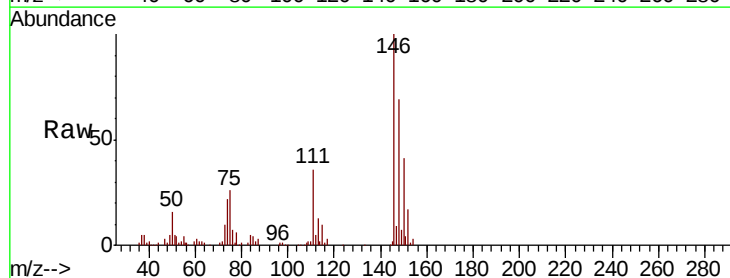
Instrument :
 MSVOA_D
 ClientSampleId :

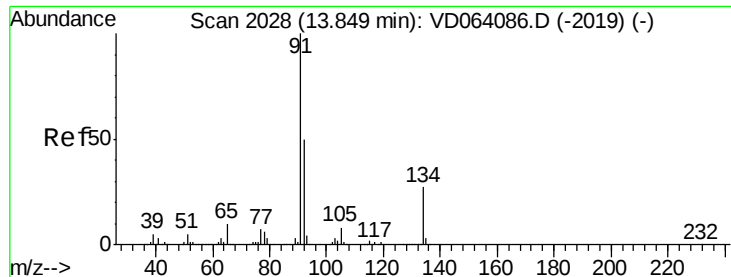
Tot Ion:146 Resp: 111290
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.9 56.9
 148 62.5 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 19.902 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064085.D
 Acq: 29 Oct 2019 13:09

Tgt Ion:146 Resp: 106286
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.4 55.4
 148 66.1 32.4 97.0

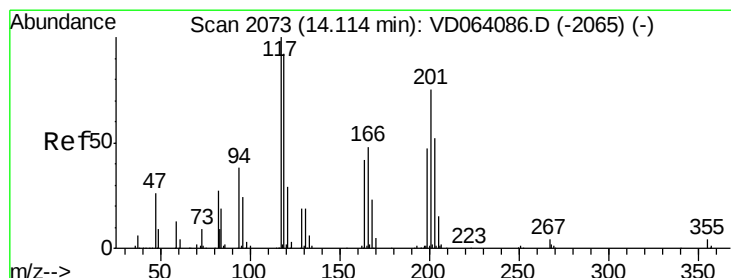
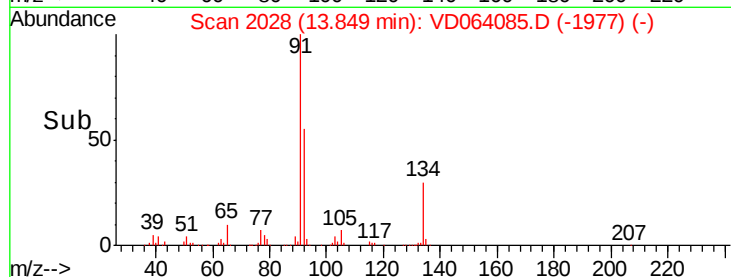
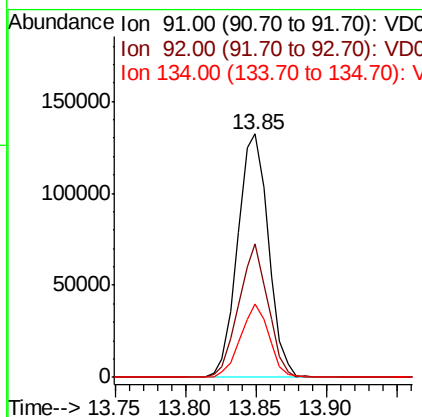
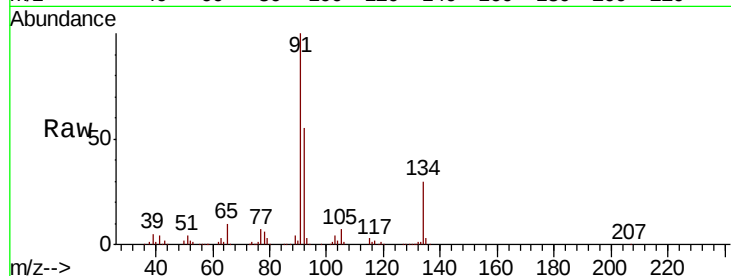




#89
n-Butylbenzene
Concen: 20.152 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

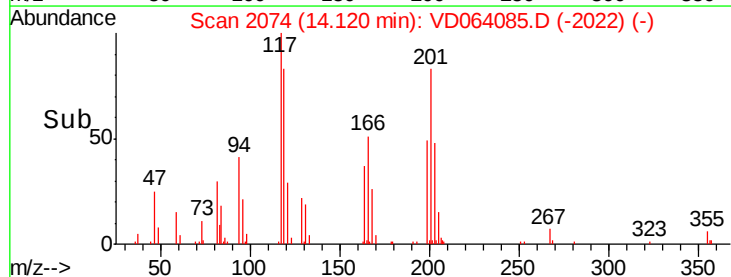
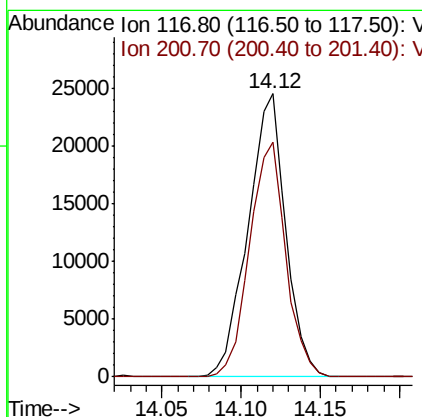
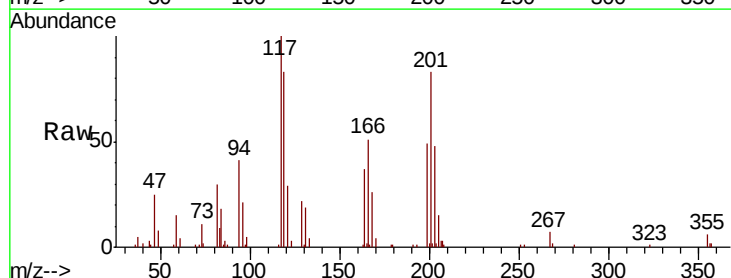
Instrument :
MSVOA_D
ClientSampleId :

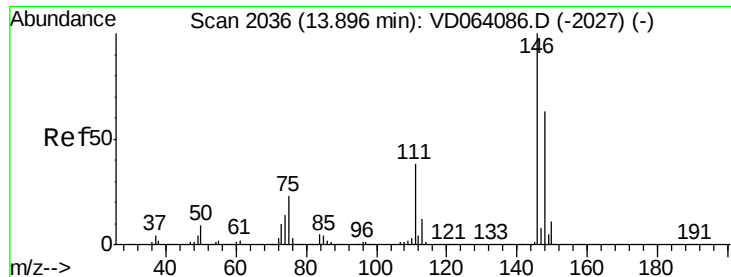
Tot Ion: 91 Resp: 201858
Ion Ratio Lower Upper
91 100
92 52.2 25.6 76.6
134 27.9 14.0 42.0



#90
Hexachloroethane
Concen: 19.978 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064085.D
Acq: 29 Oct 2019 13:09

Tgt Ion: 117 Resp: 40621
Ion Ratio Lower Upper
117 100
201 79.4 38.4 115.2





#91

1,2-Dichlorobenzene

Concen: 20.267 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

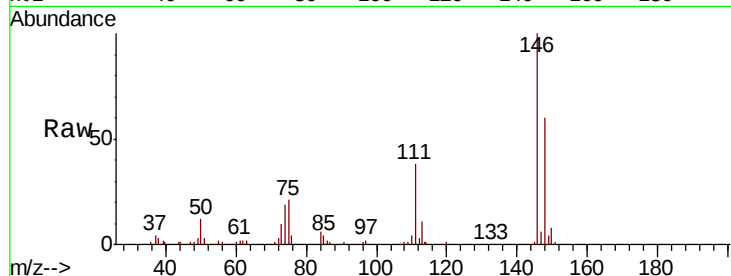
Tot Ion:146 Resp: 94492

Ion Ratio Lower Upper

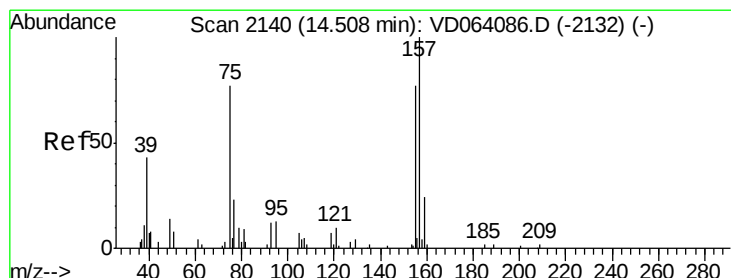
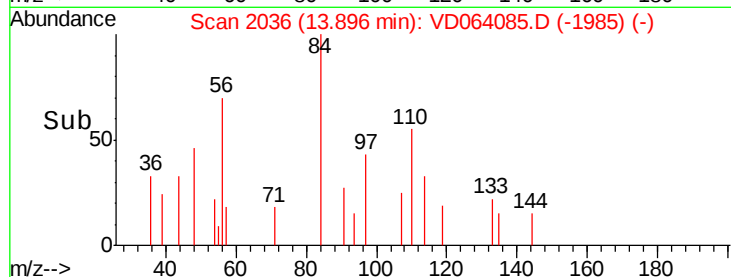
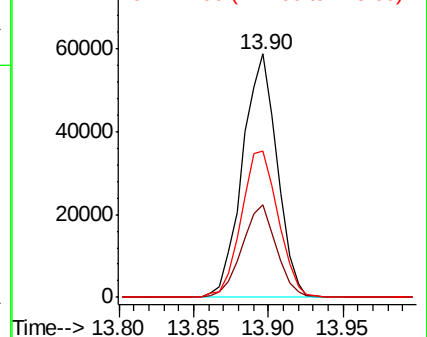
146 100

111 37.8 19.1 57.1

148 64.2 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: 21.168 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

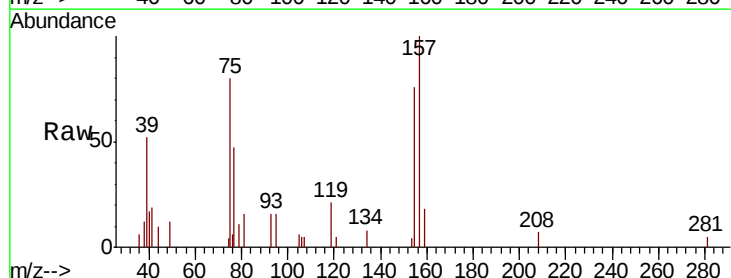
Tgt Ion: 75 Resp: 5456

Ion Ratio Lower Upper

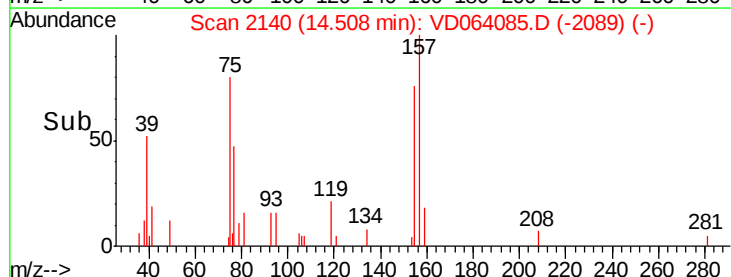
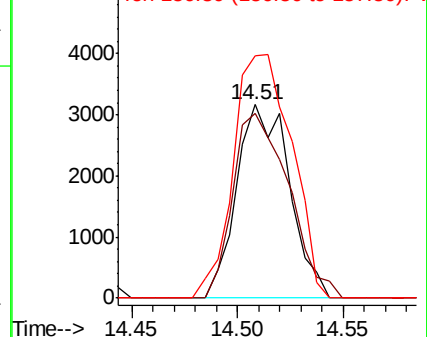
75 100

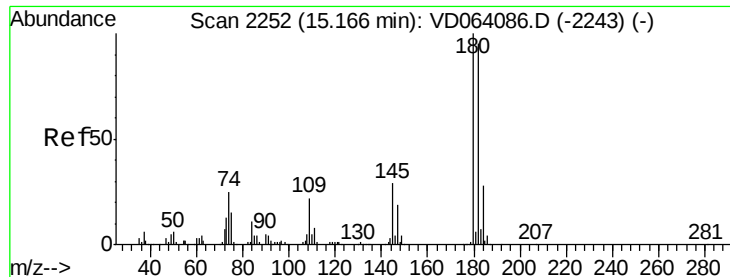
155 101.7 56.3 168.9

157 140.0 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

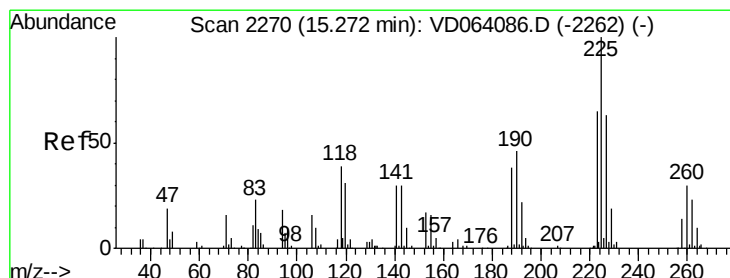
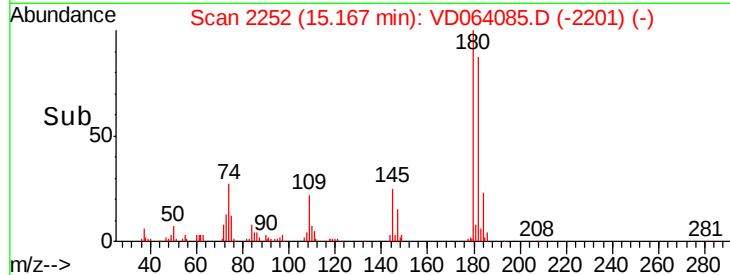
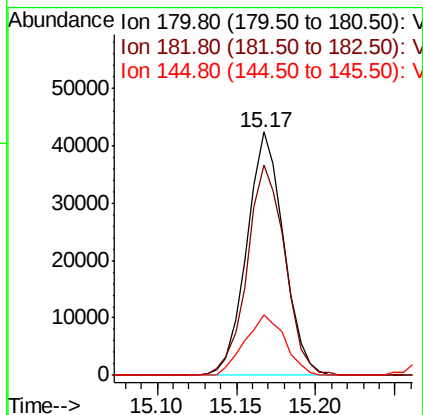
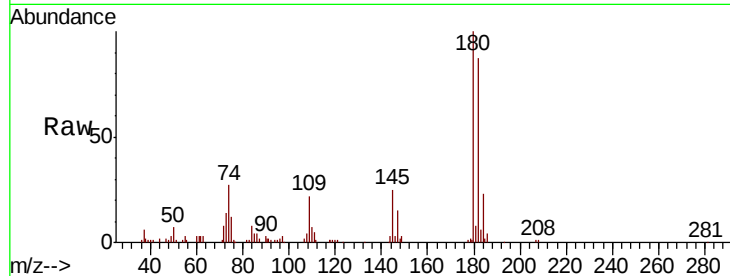




#93
 1,2,4-Trichlorobenzene
 Concen: 20.473 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD064085.D
 Acq: 29 Oct 2019 13:09

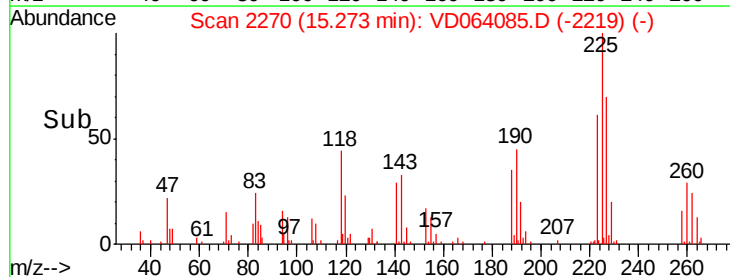
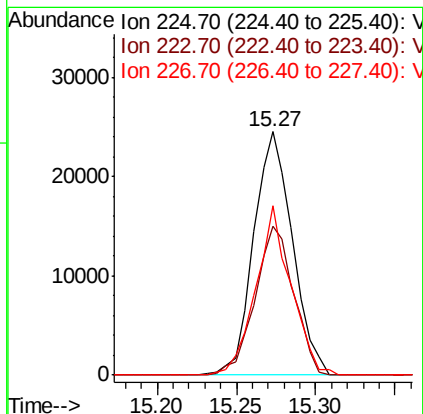
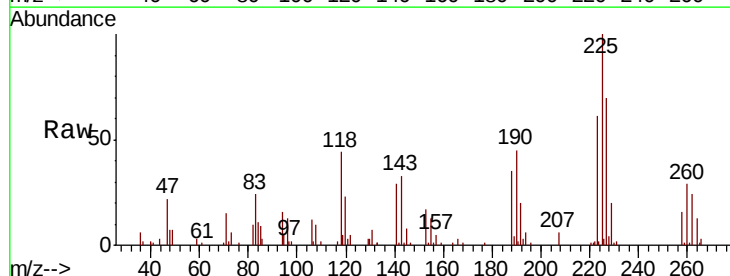
Instrument :
 MSVOA_D
 ClientSampleID :

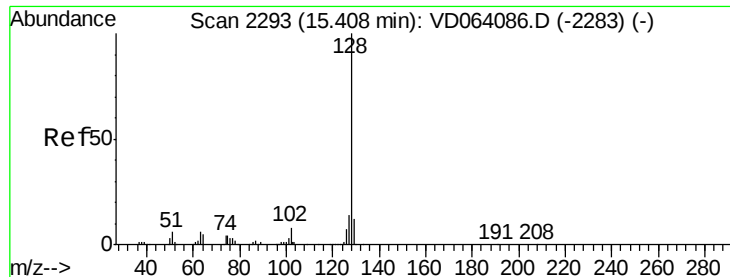
Tot Ion:180 Resp: 68615
 Ion Ratio Lower Upper
 180 100
 182 88.4 46.9 140.7
 145 26.9 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 21.297 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD064085.D
 Acq: 29 Oct 2019 13:09

Tgt Ion:225 Resp: 41715
 Ion Ratio Lower Upper
 225 100
 223 60.8 30.8 92.3
 227 63.2 31.7 95.1





#95

Naphthalene

Concen: 19.413 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

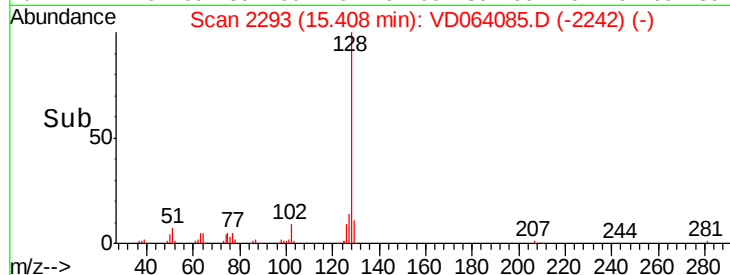
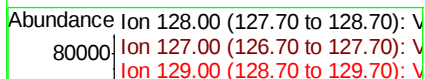
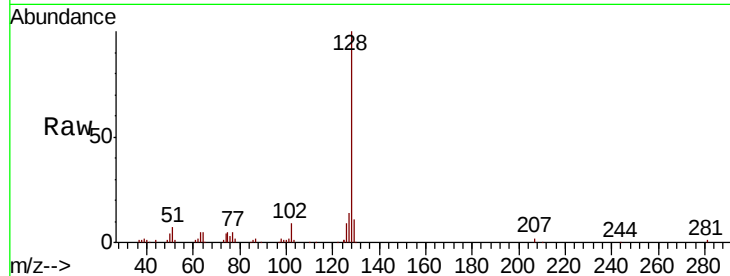
Tot Ion:128 Resp: 106108

Ion Ratio Lower Upper

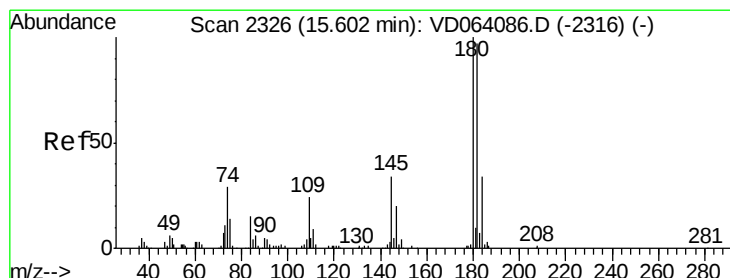
128 100

127 12.9 10.9 16.3

129 10.0 8.8 13.2



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 19.987 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD064085.D

Acq: 29 Oct 2019 13:09

Tgt Ion:180 Resp: 58021

Ion Ratio Lower Upper

180 100

182 97.5 48.4 145.0

145 31.3 16.4 49.4

