

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102919\
 Data File : VD064092.D
 Acq On : 29 Oct 2019 16:49
 Operator : VA/SY
 Sample : VD1029SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 30 08:07:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	235458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	356220	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	345185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	177032	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	104936	56.04	ug/l	0.00
Spiked Amount						
			Recovery	=	112.08%	
35) Dibromofluoromethane	7.93	113	115129	52.53	ug/l	0.00
Spiked Amount						
			Recovery	=	105.06%	
50) Toluene-d8	10.34	98	459981	52.48	ug/l	0.00
Spiked Amount						
			Recovery	=	104.96%	
62) 4-Bromofluorobenzene	12.64	95	150462	51.78	ug/l	0.00
Spiked Amount						
			Recovery	=	103.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	50295	20.919	ug/l	99
3) Chloromethane	2.21	50	85327	21.271	ug/l	96
4) Vinyl Chloride	2.35	62	93722	21.544	ug/l	93
5) Bromomethane	2.76	94	61014	21.521	ug/l	97
6) Chloroethane	2.92	64	58568	21.676	ug/l	91
7) Trichlorofluoromethane	3.27	101	125493	20.955	ug/l	93
8) Diethyl Ether	3.71	74	20983	20.158	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.08	101	44437	20.591	ug/l	95
10) Methyl Iodide	4.29	142	52877	19.776	ug/l	99
11) Tert butyl alcohol	5.25	59	8187	80.289	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	42849	20.979	ug/l	95
13) Acrolein	3.93	56	12121	101.515	ug/l	93
14) Allyl chloride	4.71	41	51219	21.425	ug/l	98
15) Acrylonitrile	5.43	53	41544	108.045	ug/l	96
16) Acetone	4.16	43	34730	97.474	ug/l	100
17) Carbon Disulfide	4.40	76	133277	21.234	ug/l	95
18) Methyl Acetate	4.73	43	20302	21.421	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	87234	21.048	ug/l	96
20) Methylene Chloride	4.96	84	54280	21.525	ug/l #	90
21) trans-1,2-Dichloroethene	5.47	96	46788	20.406	ug/l	94
22) Diisopropyl ether	6.37	45	108067	20.412	ug/l	98
23) Vinyl Acetate	6.31	43	312300	107.612	ug/l	99
24) 1,1-Dichloroethane	6.26	63	73625	20.593	ug/l	96
25) 2-Butanone	7.23	43	51242	104.029	ug/l #	86
26) 2,2-Dichloropropane	7.21	77	68365	20.147	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	51109	19.921	ug/l	99
28) Bromochloromethane	7.55	49	20879	16.558	ug/l	97
29) Tetrahydrofuran	7.57	42	30842	107.286	ug/l	97
30) Chloroform	7.72	83	86537	21.153	ug/l	88
31) Cyclohexane	7.98	56	69919	20.074	ug/l	92
32) 1,1,1-Trichloroethane	7.91	97	79341	20.834	ug/l	97
36) 1,1-Dichloropropene	8.11	75	68329	20.471	ug/l	97
37) Ethyl Acetate	7.30	43	24152	23.508	ug/l #	87
38) Carbon Tetrachloride	8.10	117	75681	20.781	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102919\
 Data File : VD064092.D
 Acq On : 29 Oct 2019 16:49
 Operator : VA/SY
 Sample : VD1029SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 30 08:07:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	82561	20.149	ug/l	98
40) Benzene	8.36	78	184683	20.290	ug/l	100
41) Methacrylonitrile	7.53	41	13175	22.221	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	48858	20.320	ug/l	97
43) Isopropyl Acetate	8.46	43	41678	20.073	ug/l #	61
44) Trichloroethene	9.11	130	57401	20.806	ug/l	96
45) 1,2-Dichloropropane	9.39	63	41878	19.852	ug/l	93
46) Dibromomethane	9.48	93	26027	20.486	ug/l	96
47) Bromodichloromethane	9.67	83	63722	19.882	ug/l	96
48) Methyl methacrylate	9.47	41	20104	20.938	ug/l #	92
49) 1,4-Dioxane	9.47	88	7125	489.943	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	117808	104.222	ug/l	99
52) Toluene	10.41	92	129921	20.367	ug/l	93
53) t-1,3-Dichloropropene	10.63	75	57475	19.211	ug/l	89
54) cis-1,3-Dichloropropene	10.09	75	70988	20.168	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	35842	19.898	ug/l #	90
56) Ethyl methacrylate	10.67	69	39928	20.155	ug/l	95
57) 1,3-Dichloropropane	10.95	76	58141	19.517	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	79134	100.279	ug/l	97
59) 2-Hexanone	10.99	43	83790	100.167	ug/l	99
60) Dibromochloromethane	11.14	129	47654	19.492	ug/l	99
61) 1,2-Dibromoethane	11.25	107	37687	20.919	ug/l	97
64) Tetrachloroethene	10.88	164	49188	19.835	ug/l	92
65) Chlorobenzene	11.68	112	148155	20.772	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	52233	19.572	ug/l	99
67) Ethyl Benzene	11.74	91	248240	19.568	ug/l	100
68) m/p-Xylenes	11.86	106	203937	39.967	ug/l	100
69) o-Xylene	12.18	106	91001	19.541	ug/l	96
70) Styrene	12.20	104	157816	19.650	ug/l	98
71) Bromoform	12.37	173	27308	19.159	ug/l #	96
73) Isopropylbenzene	12.48	105	259282	21.077	ug/l	99
74) N-amyl acetate	12.30	43	43896	21.478	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	39677	20.462	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	52490	44.126	ug/l #	100
77) Bromobenzene	12.76	156	60835	20.482	ug/l	98
78) n-propylbenzene	12.83	91	301919	20.942	ug/l	99
79) 2-Chlorotoluene	12.91	91	160529	20.772	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	213933	20.779	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	12818	22.006	ug/l	94
82) 4-Chlorotoluene	13.01	91	168552	20.412	ug/l	99
83) tert-Butylbenzene	13.23	119	185958	20.109	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	213096	20.603	ug/l	100
85) sec-Butylbenzene	13.40	105	261950	20.627	ug/l	100
86) p-Isopropyltoluene	13.52	119	250307	20.978	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	123316	20.717	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	126846	21.618	ug/l	97
89) n-Butylbenzene	13.85	91	227921	20.710	ug/l	98
90) Hexachloroethane	14.11	117	46302	20.727	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	106622	20.814	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6478	22.875	ug/l	89

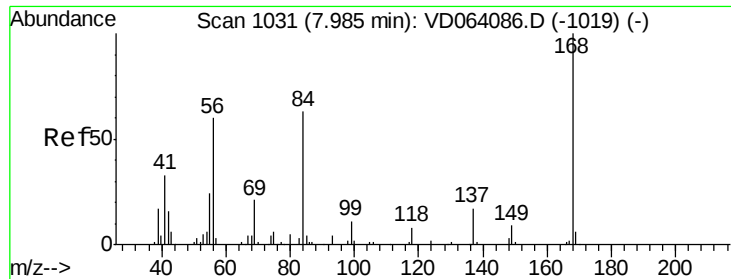
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102919\
Data File : VD064092.D
Acq On : 29 Oct 2019 16:49
Operator : VA/SY
Sample : VD1029SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Oct 30 08:07:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 08:00:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	79480	21.585	ug/l	99
94) Hexachlorobutadiene	15.27	225	44499	20.677	ug/l	99
95) Naphthalene	15.41	128	136503	22.731	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	71228	22.332	ug/l	94

(#) = 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: VD064092.D

Acq: 29 Oct 2019 16:49

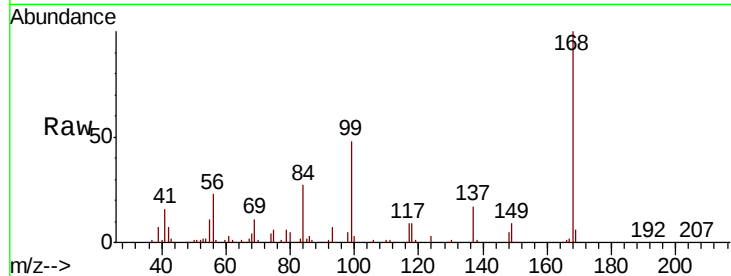
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 235458

Ion Ratio Lower Upper

168 100

99 48.1 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

60000

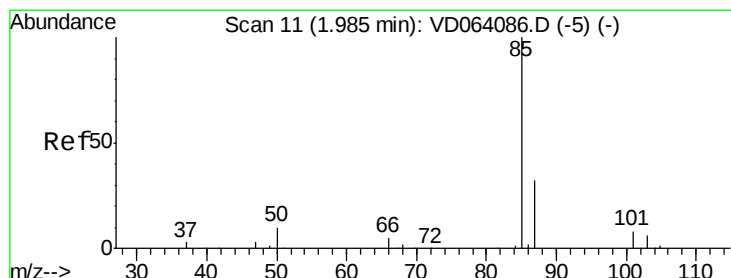
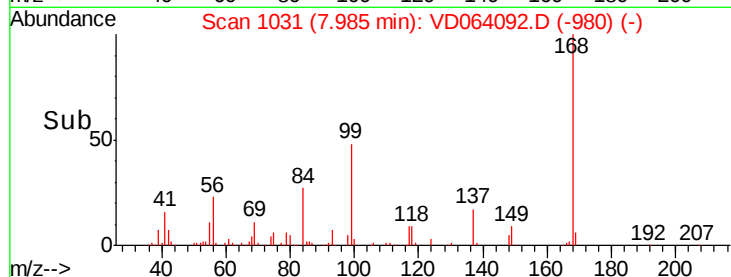
40000

20000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 20.919 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064092.D

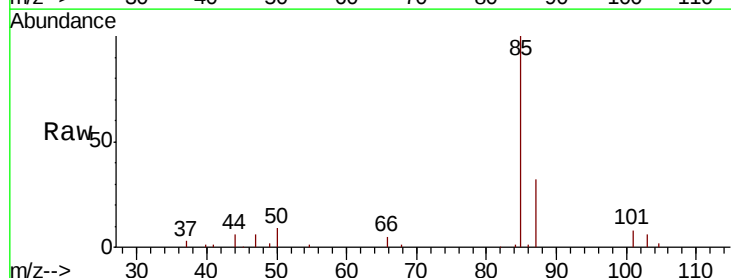
Acq: 29 Oct 2019 16:49

Tgt Ion: 85 Resp: 50295

Ion Ratio Lower Upper

85 100

87 32.4 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

40000

30000

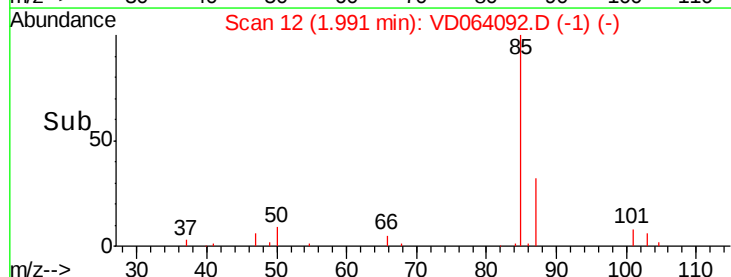
20000

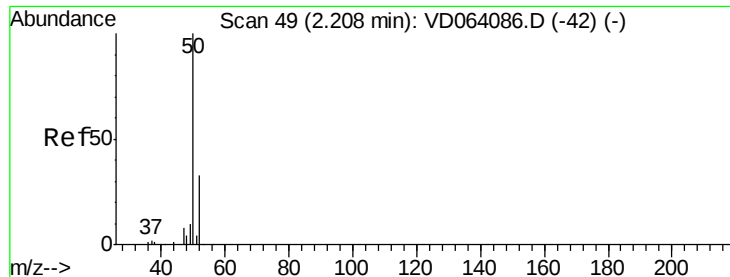
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.271 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

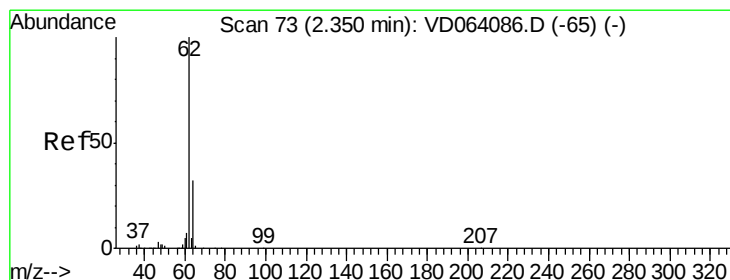
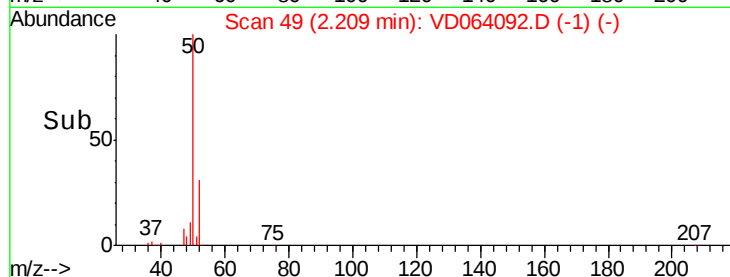
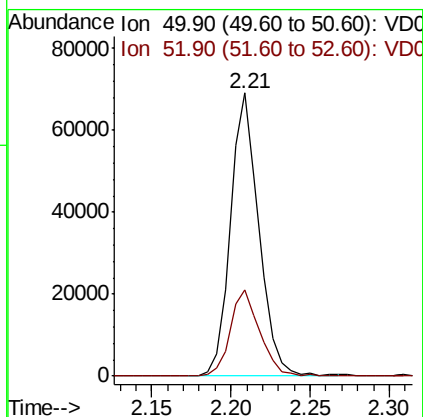
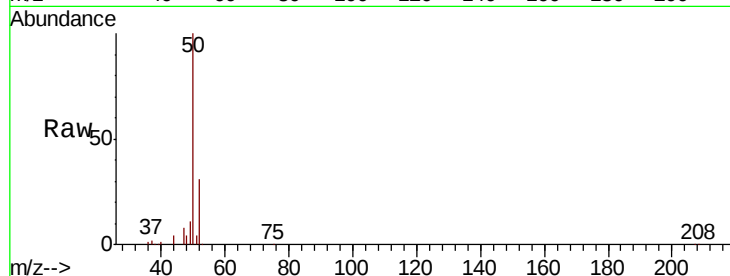
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 85327

Ion Ratio Lower Upper

50 100

52 30.7 26.5 39.7



#4

Vinyl Chloride

Concen: 21.544 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064092.D

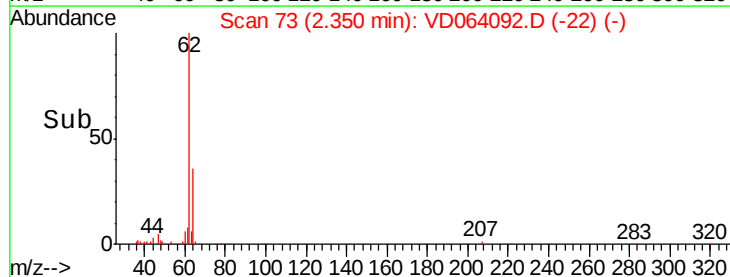
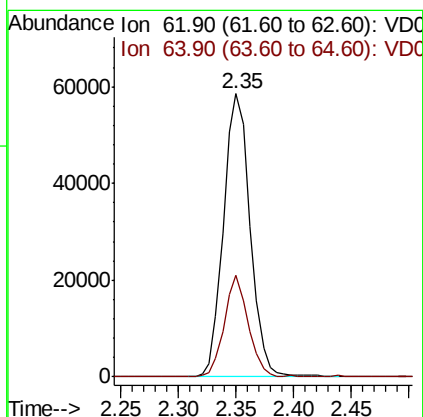
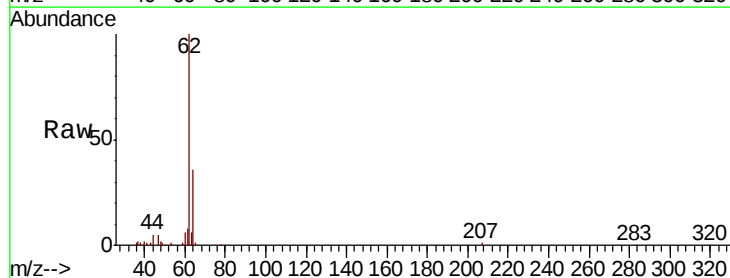
Acq: 29 Oct 2019 16:49

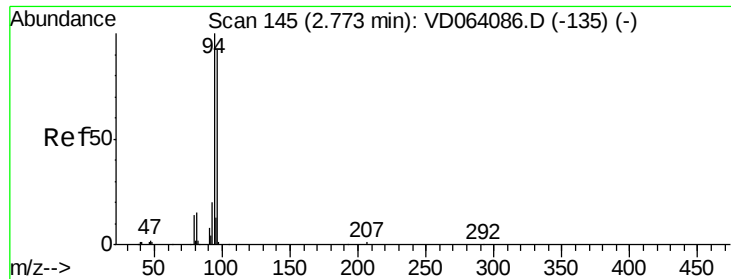
Tgt Ion: 62 Resp: 93722

Ion Ratio Lower Upper

62 100

64 36.1 25.6 38.4





#5

Bromomethane

Concen: 21.521 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

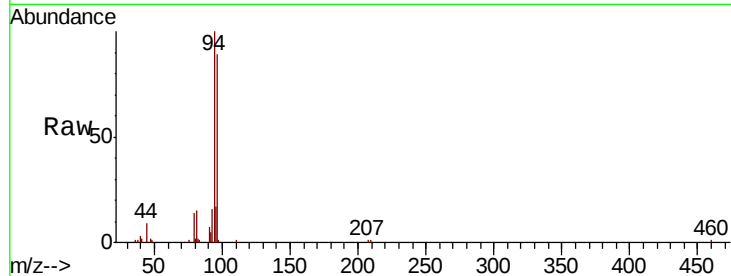
ClientSampleId :

Tot Ion: 94 Resp: 61014

Ion Ratio Lower Upper

94 100

96 89.1 73.9 110.9

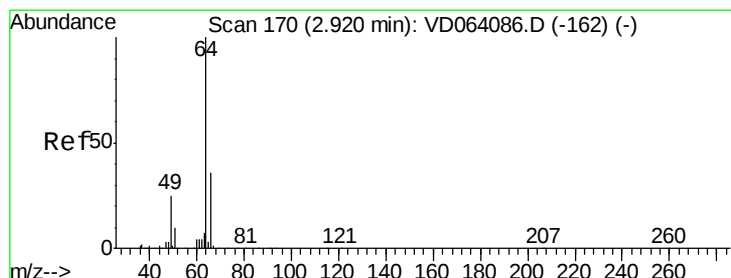
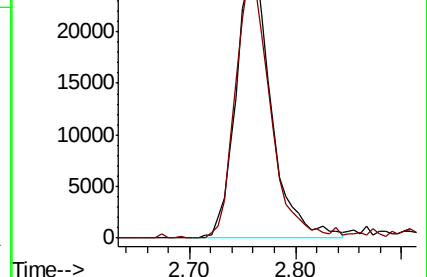
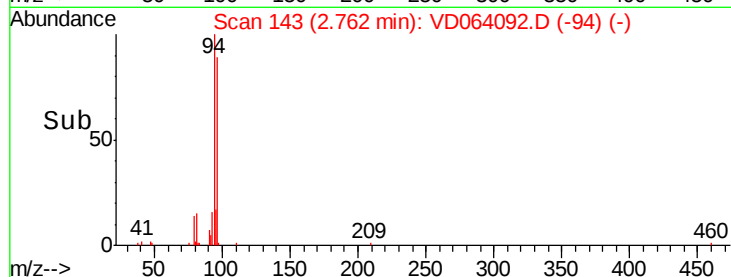


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

Time-->



#6

Chloroethane

Concen: 21.676 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064092.D

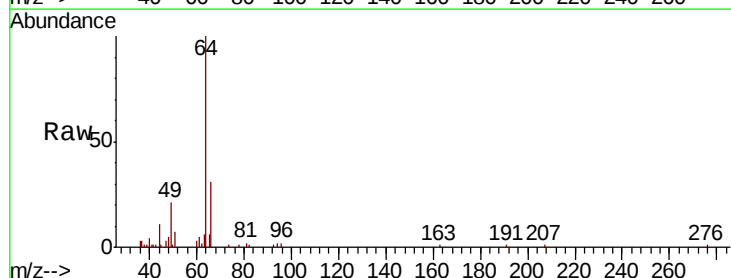
Acq: 29 Oct 2019 16:49

Tgt Ion: 64 Resp: 58568

Ion Ratio Lower Upper

64 100

66 30.6 28.7 43.1

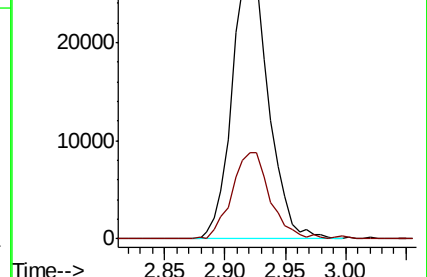
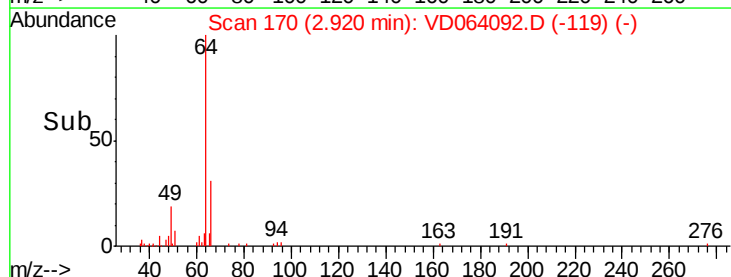


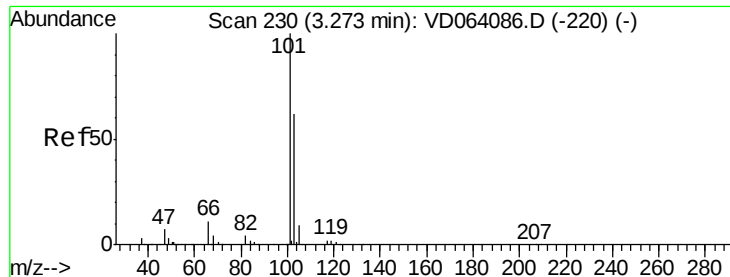
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

Time-->



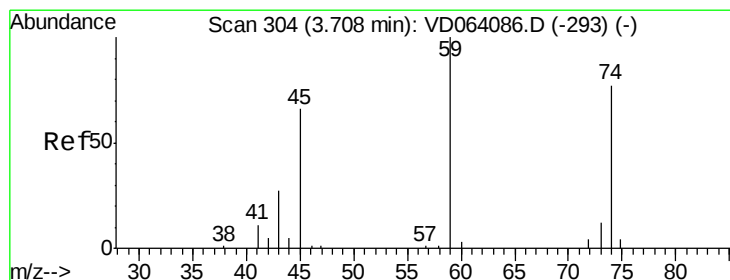
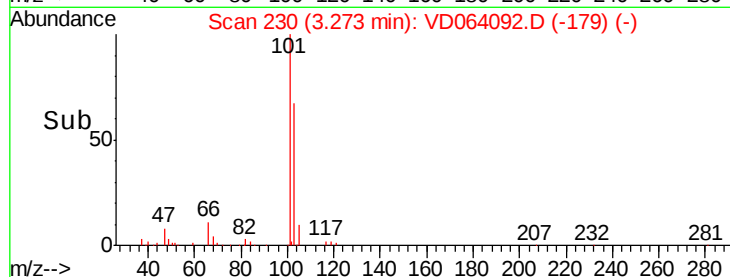
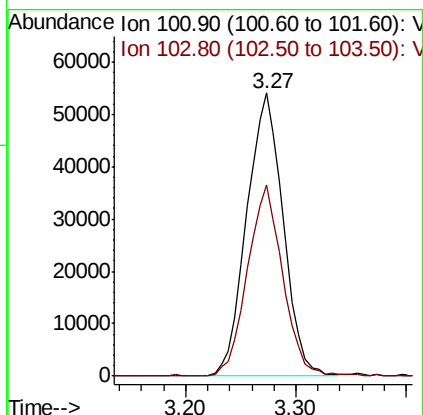
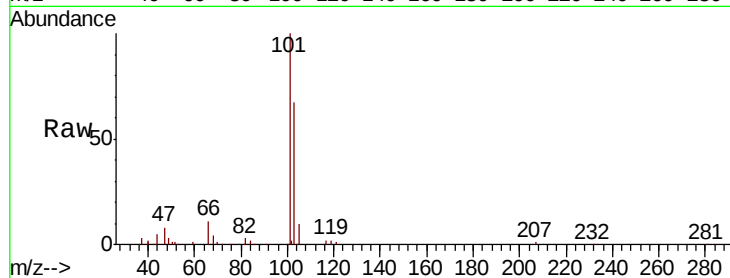


#7

Trichlorofluoromethane
 Concen: 20.955 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Instrument :
 MSVOA_D
 ClientSampleId :

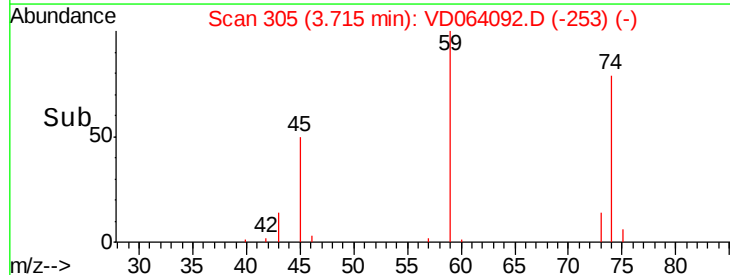
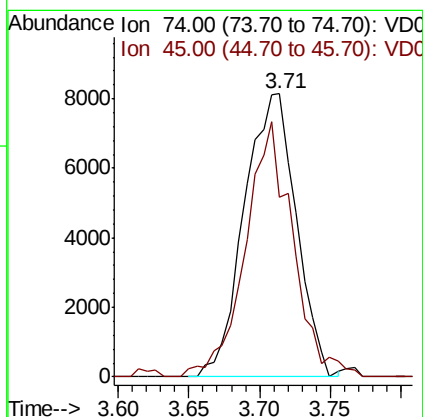
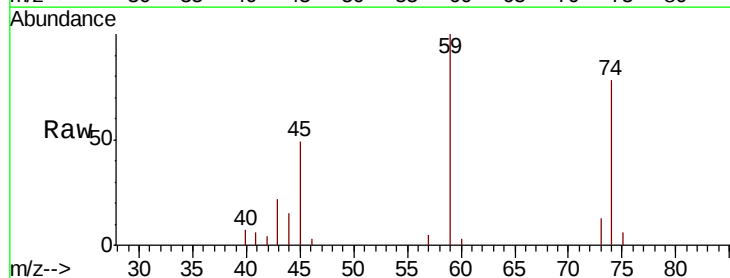
Tot Ion:101 Resp: 125493
 Ion Ratio Lower Upper
 101 100
 103 67.4 49.6 74.4

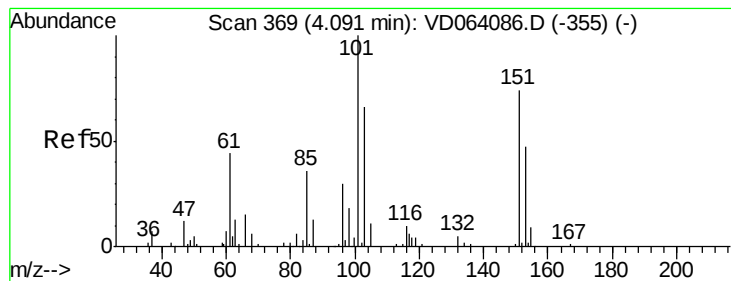


#8

Diethyl Ether
 Concen: 20.158 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Tgt Ion: 74 Resp: 20983
 Ion Ratio Lower Upper
 74 100
 45 82.3 44.1 132.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.591 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

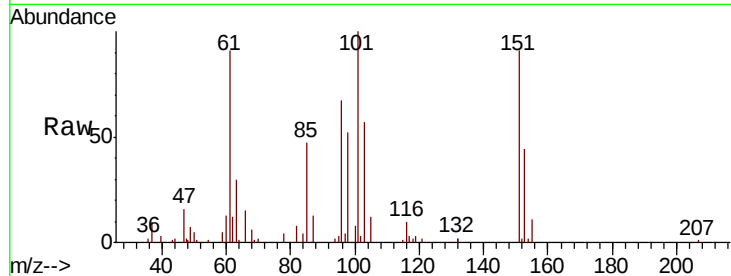
Tot Ion:101 Resp: 44437

Ion Ratio Lower Upper

101 100

85 43.8 35.3 52.9

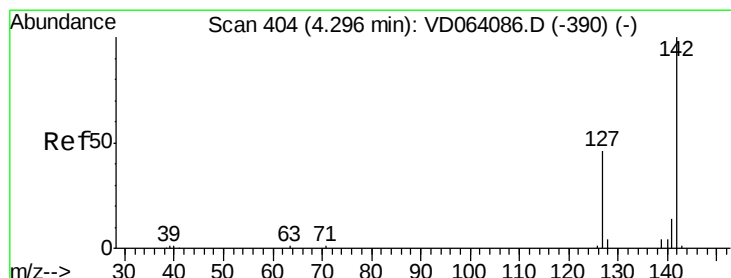
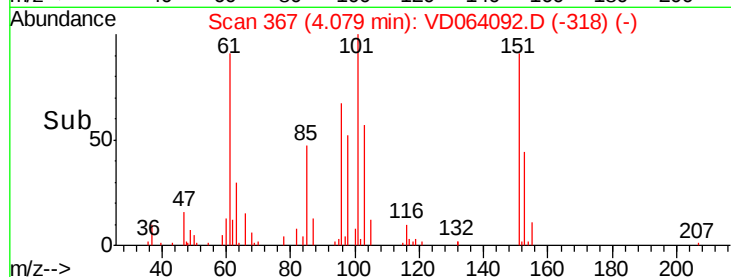
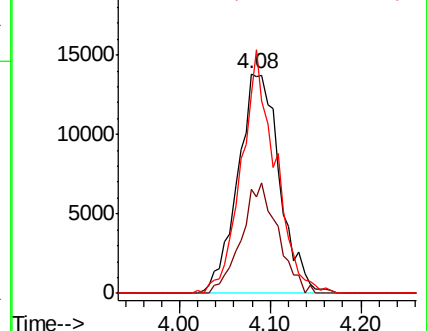
151 90.2 67.0 100.6



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: 19.776 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

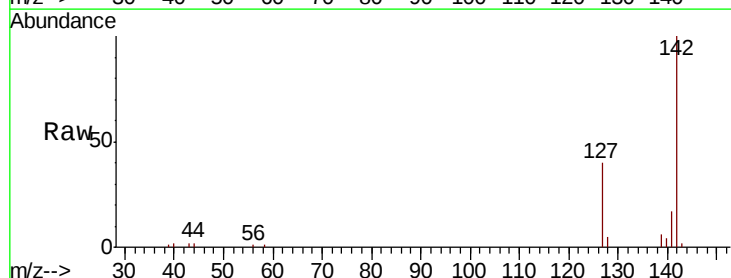
Tgt Ion:142 Resp: 52877

Ion Ratio Lower Upper

142 100

127 44.2 35.1 52.7

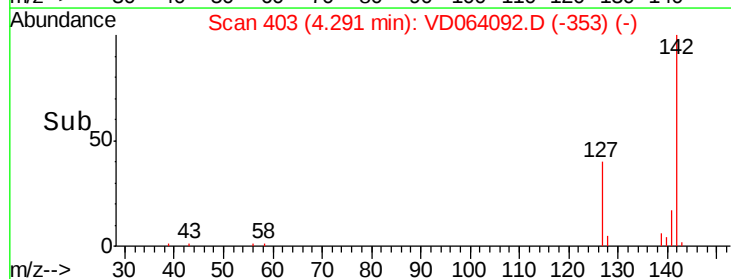
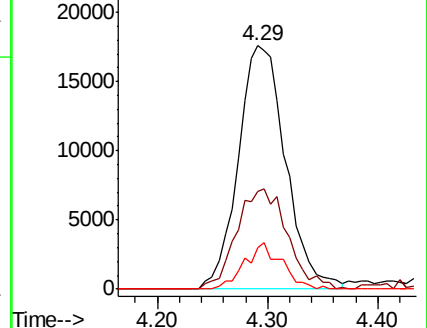
141 15.0 11.6 17.4

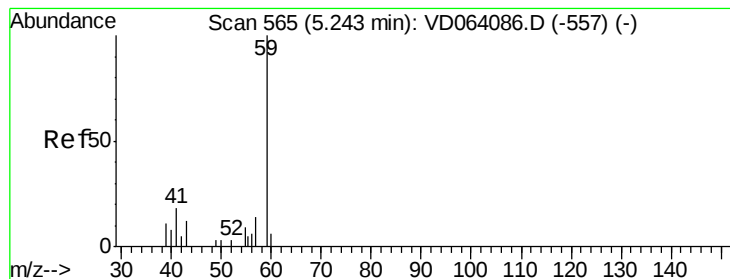


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



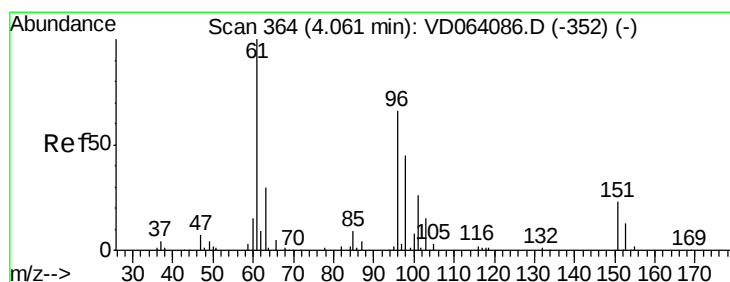
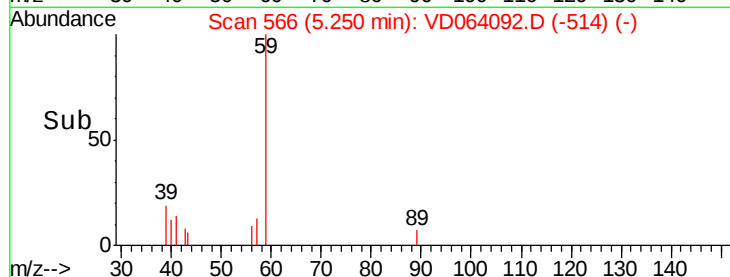
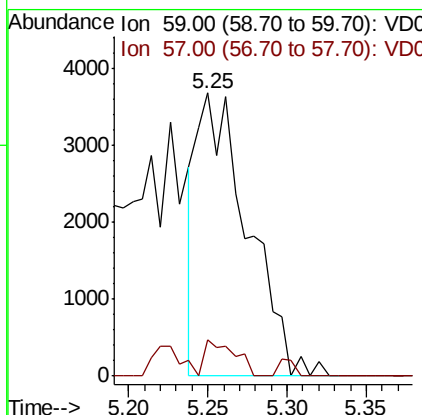
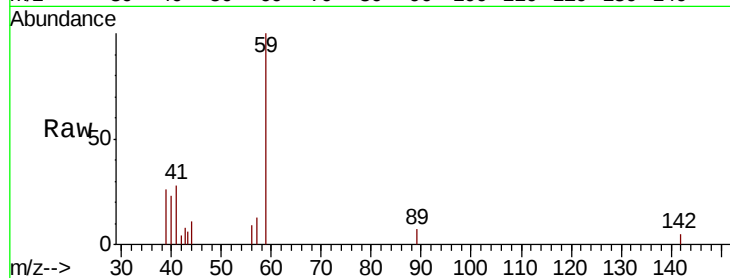


#11

Tert butyl alcohol
 Concen: 80.289 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Instrument :
 MSVOA_D
 ClientSampleId :

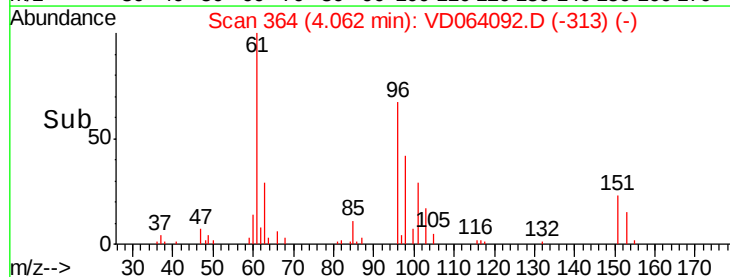
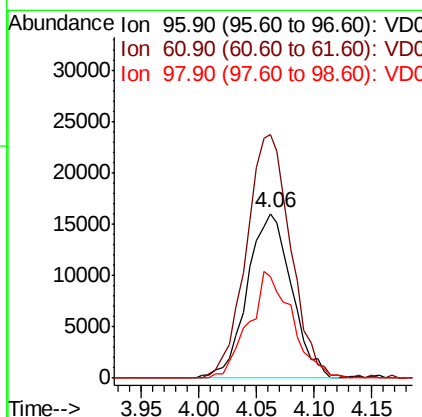
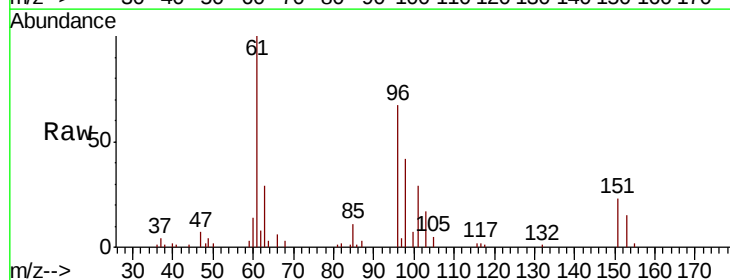
Tot Ion: 59 Resp: 8187
 Ion Ratio Lower Upper
 59 100
 57 7.6 8.7 13.1#

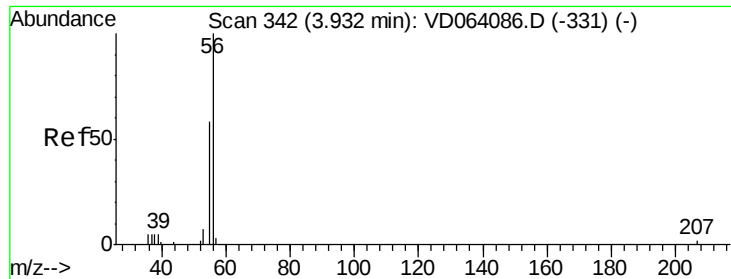


#12

1,1-Dichloroethene
 Concen: 20.979 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Tgt Ion: 96 Resp: 42849
 Ion Ratio Lower Upper
 96 100
 61 148.2 121.8 182.6
 98 62.2 55.4 83.0





#13

Acrolein

Concen: 101.515 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

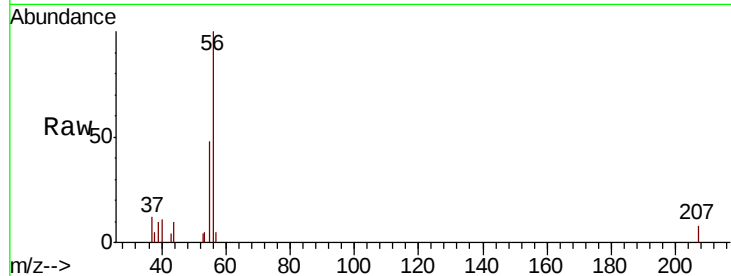
ClientSampled :

Tot Ion: 56 Resp: 12121

Ion Ratio Lower Upper

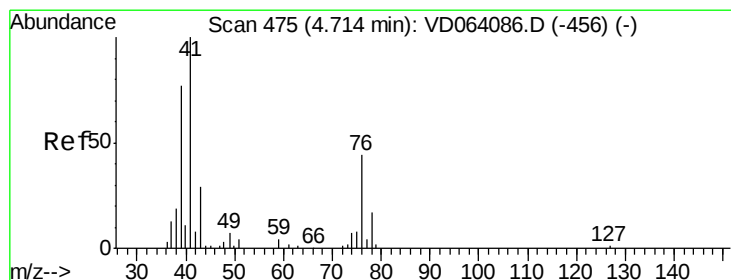
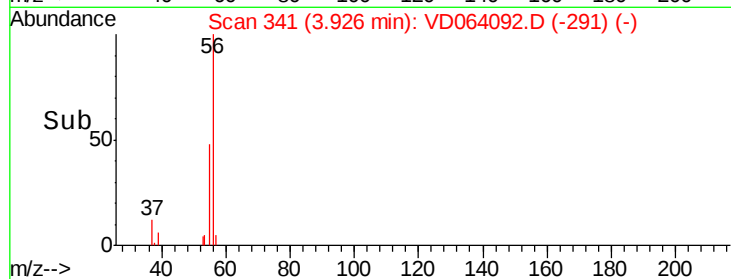
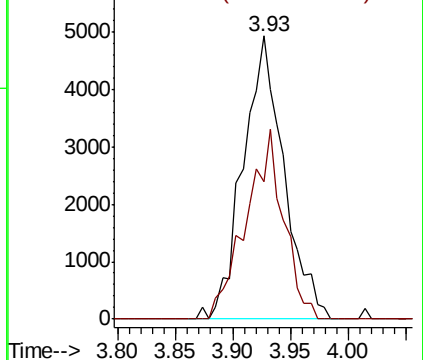
56 100

55 61.6 53.8 80.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.425 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

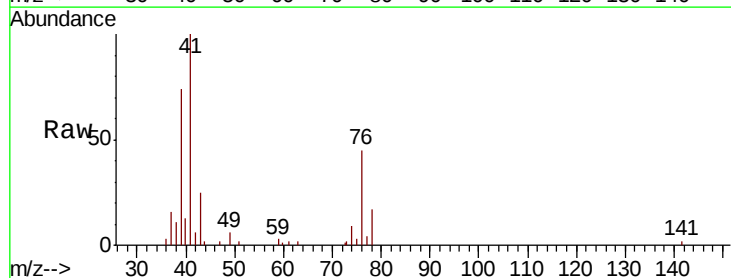
Tgt Ion: 41 Resp: 51219

Ion Ratio Lower Upper

41 100

39 78.4 61.5 92.3

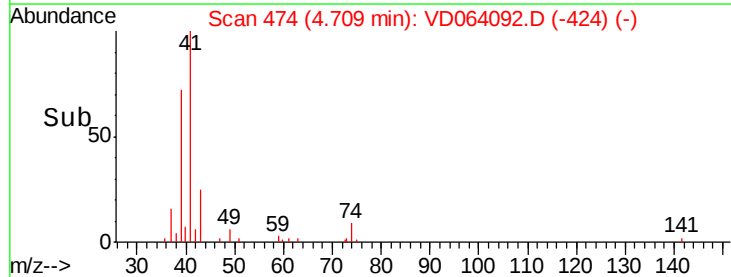
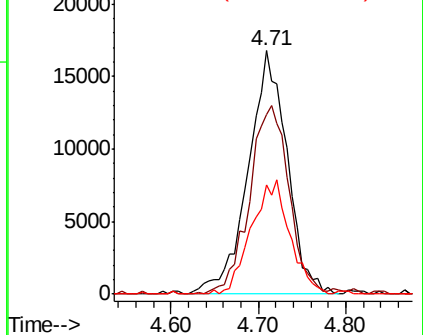
76 46.2 36.2 54.4

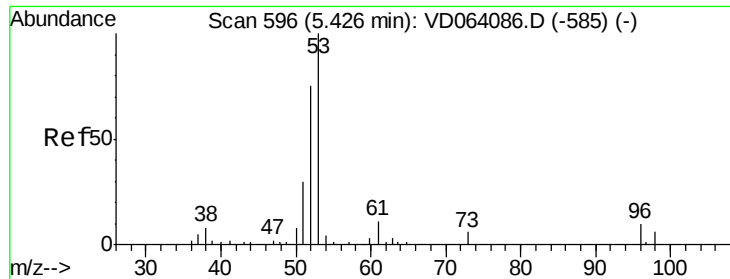


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 108.045 ug/l

RT: 5.43 min Scan# 596

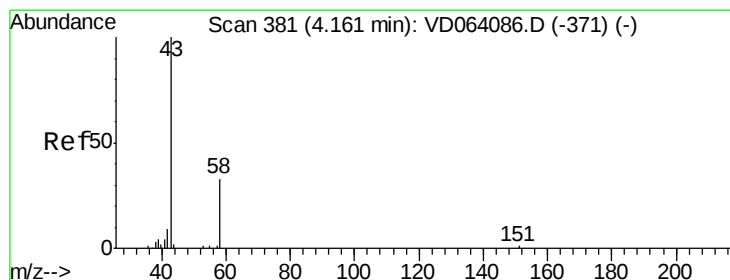
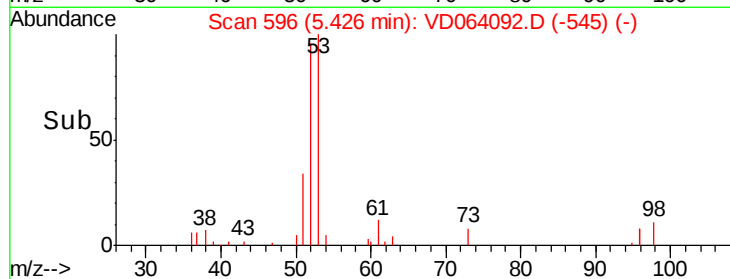
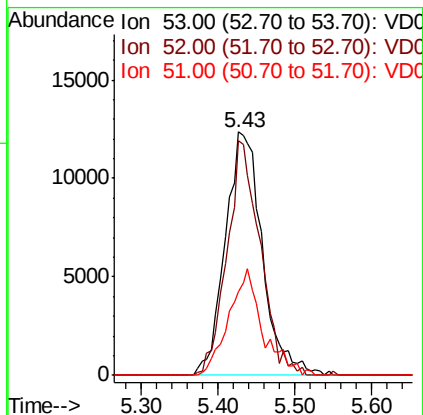
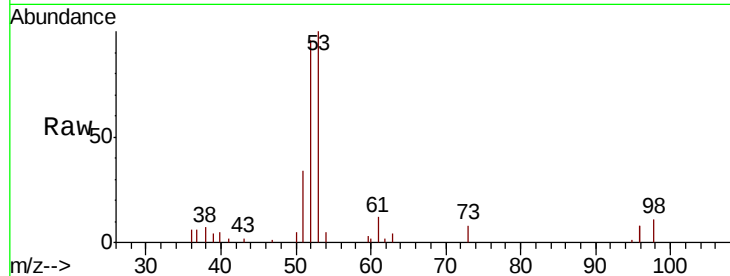
Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	53	Resp:	41544
Ion	Ratio	Lower	Upper
53	100		
52	86.1	66.2	99.4
51	39.9	29.0	43.6



#16

Acetone

Concen: 97.474 ug/l

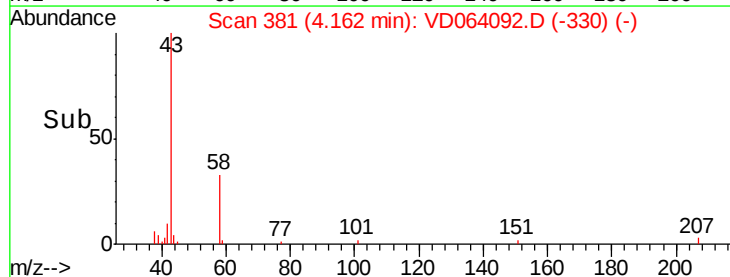
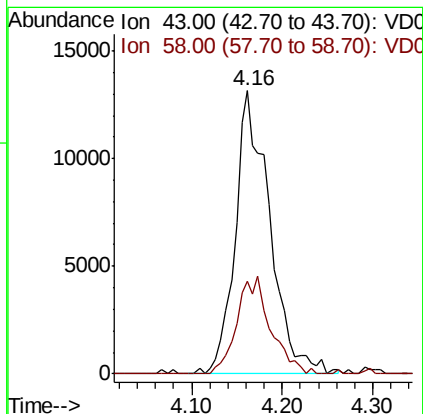
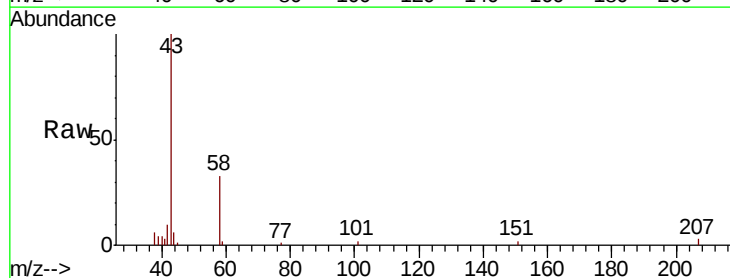
RT: 4.16 min Scan# 381

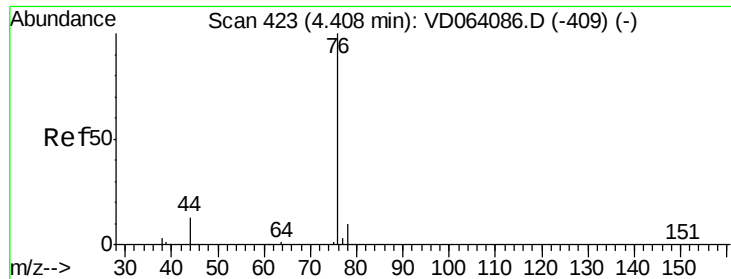
Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Tgt Ion:	43	Resp:	34730
Ion	Ratio	Lower	Upper
43	100		
58	32.9	26.3	39.5

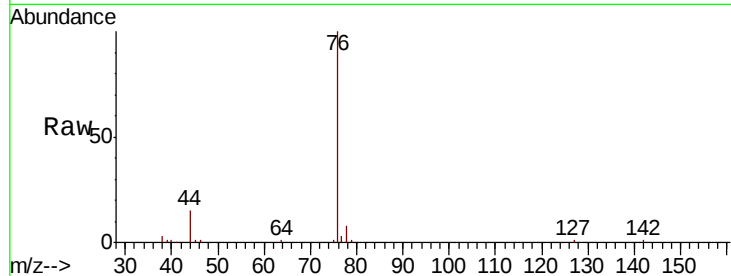




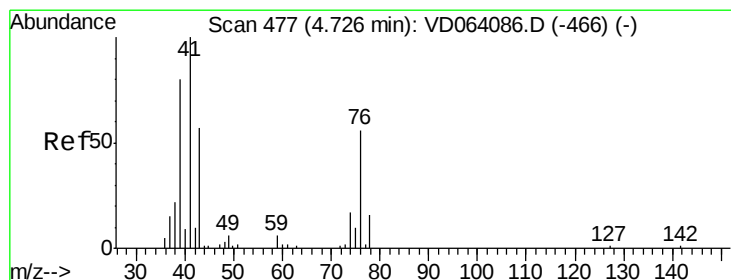
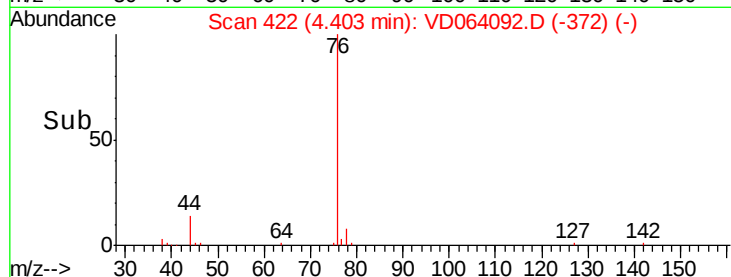
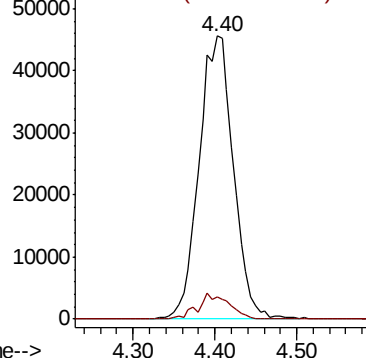
#17
Carbon Disulfide
Concen: 21.234 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 133277
Ion Ratio Lower Upper
76 100
78 8.1 8.1 12.1

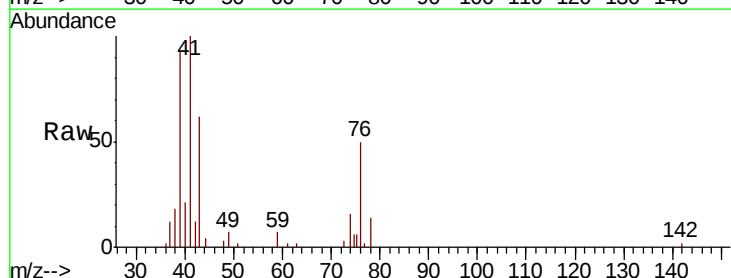


Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC

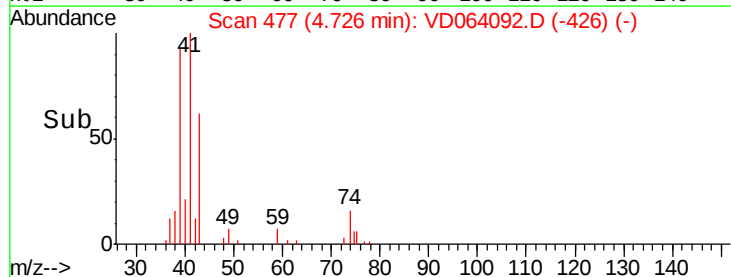
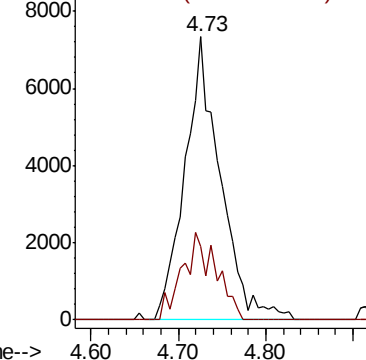


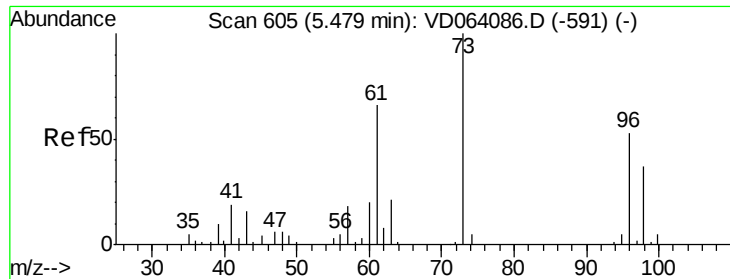
#18
Methyl Acetate
Concen: 21.421 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Tgt Ion: 43 Resp: 20302
Ion Ratio Lower Upper
43 100
74 29.3 22.2 33.4



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

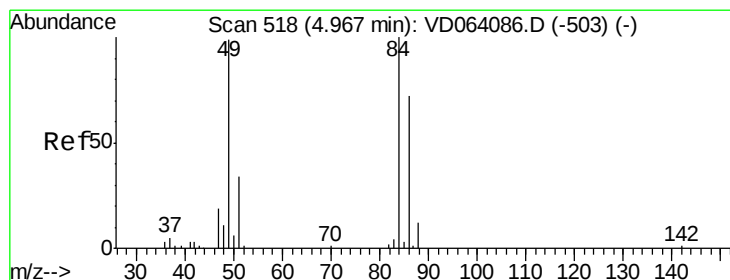
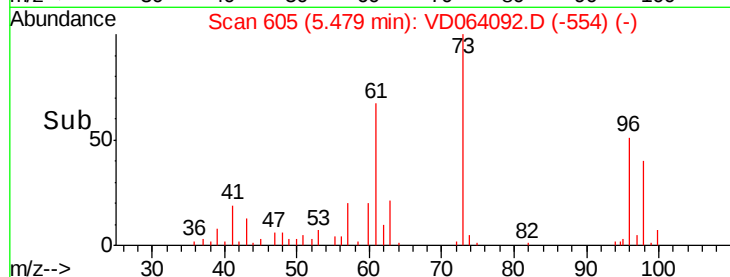
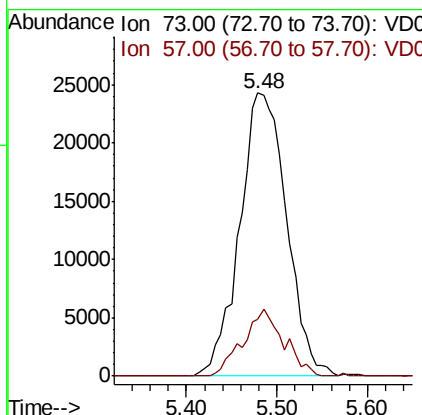
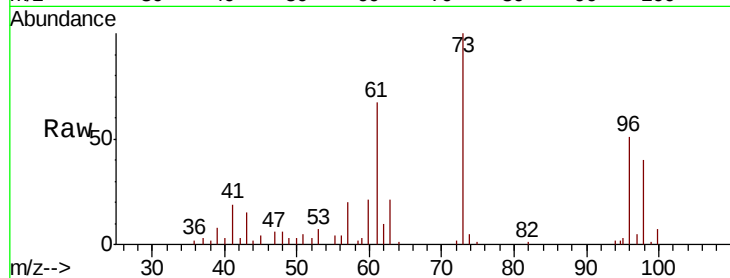




#19
Methyl tert-butyl Ether
Concen: 21.048 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

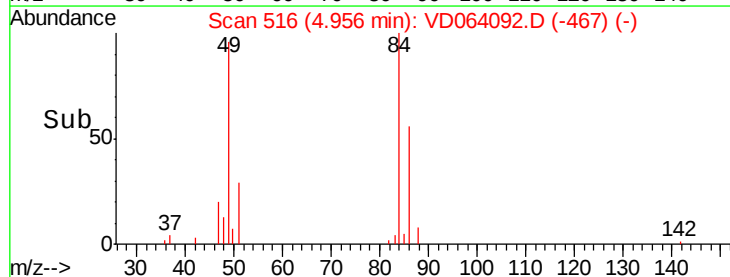
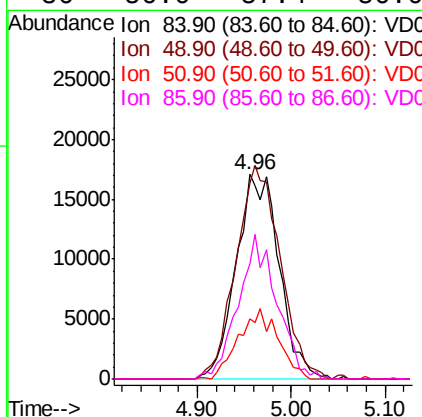
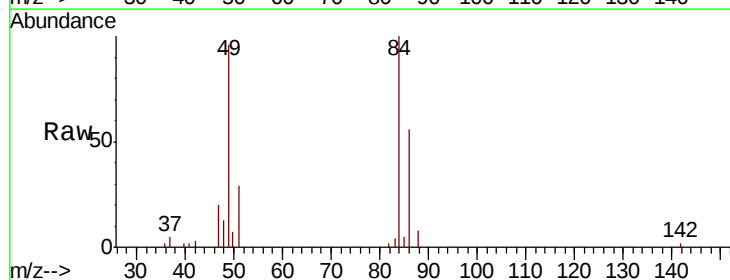
Instrument :
MSVOA_D
ClientSampled :

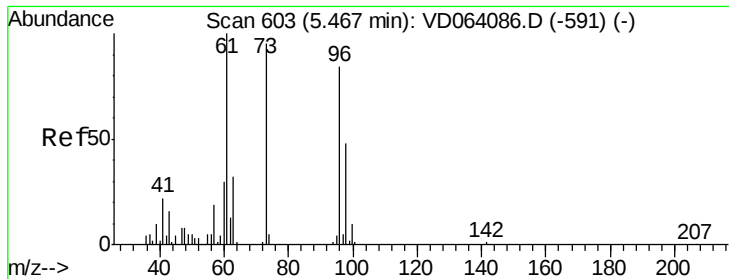
Tot Ion: 73 Resp: 87234
Ion Ratio Lower Upper
73 100
57 19.9 14.3 21.5



#20
Methylene Chloride
Concen: 21.525 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Tgt Ion: 84 Resp: 54280
Ion Ratio Lower Upper
84 100
49 95.8 79.4 119.0
51 29.3 27.4 41.2
86 56.0 57.4 86.0#





#21

trans-1,2-Dichloroethene

Concen: 20.406 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

ClientSampled :

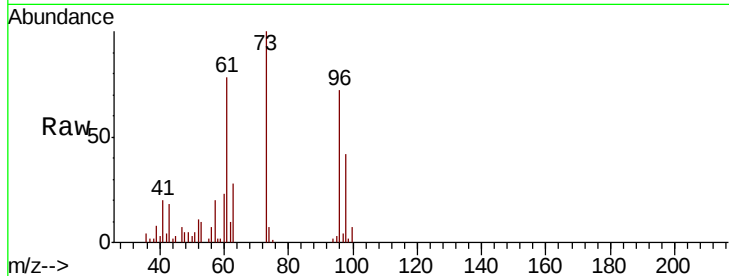
Tot Ion: 96 Resp: 46788

Ion Ratio Lower Upper

96 100

61 109.2 95.0 142.6

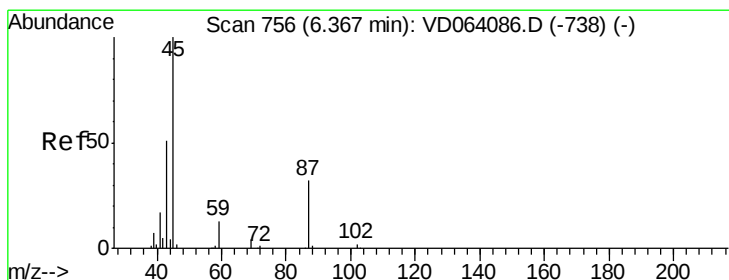
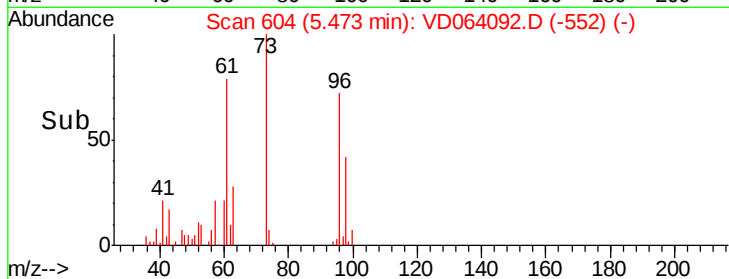
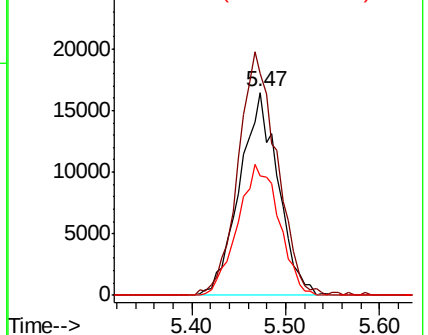
98 58.5 45.8 68.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 20.412 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Tgt Ion: 45 Resp: 108067

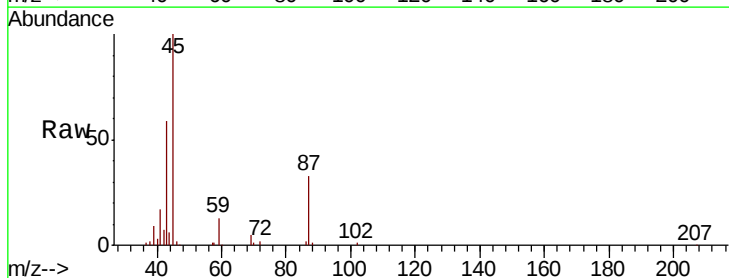
Ion Ratio Lower Upper

45 100

43 57.5 44.3 66.5

87 32.5 26.6 39.8

59 12.6 10.2 15.2

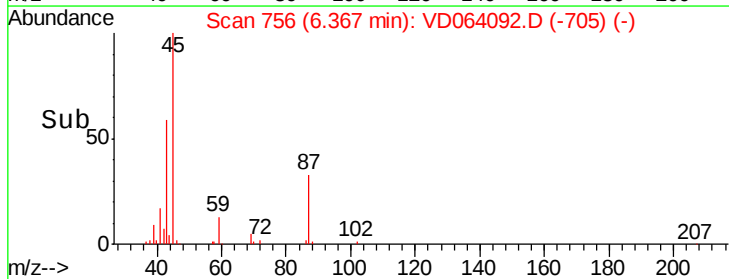
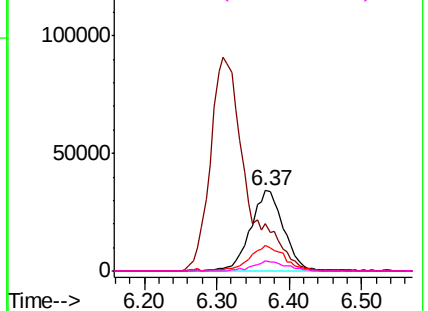


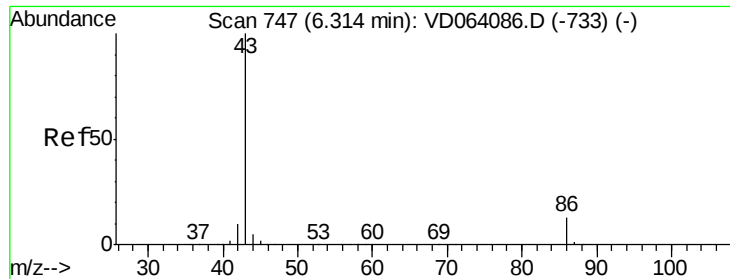
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 107.612 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

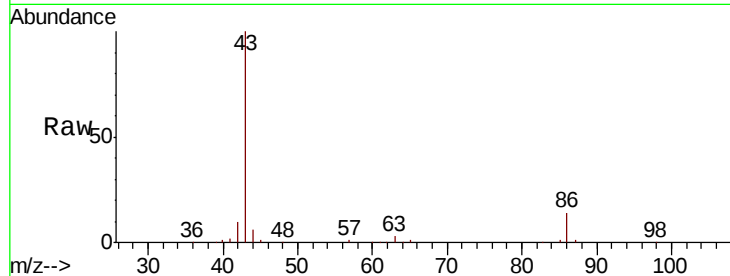
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 312300

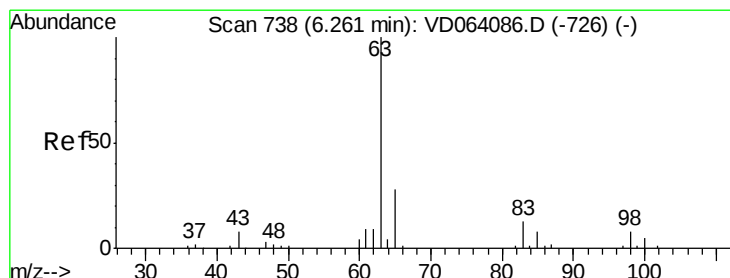
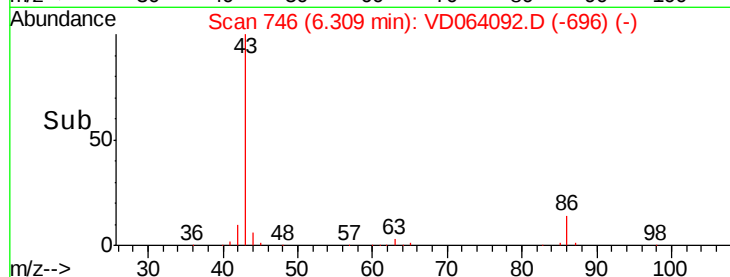
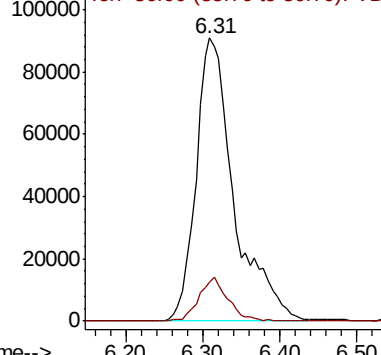
Ion Ratio Lower Upper

43 100

86 13.6 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.593 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

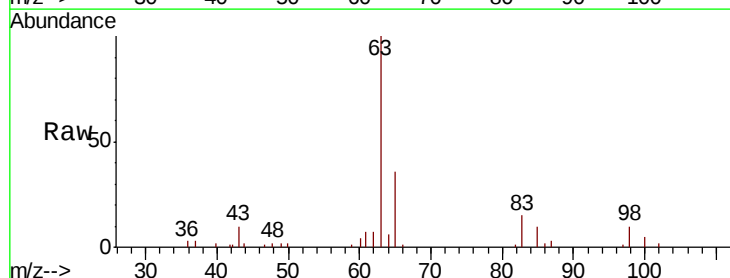
Tgt Ion: 63 Resp: 73625

Ion Ratio Lower Upper

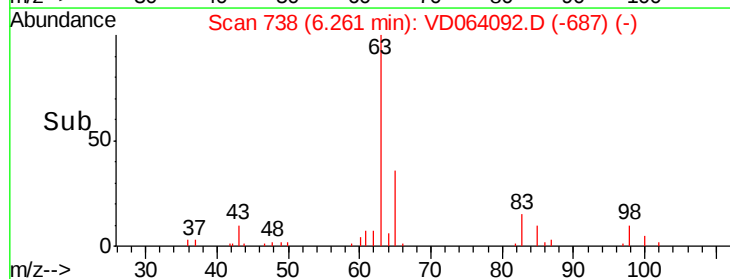
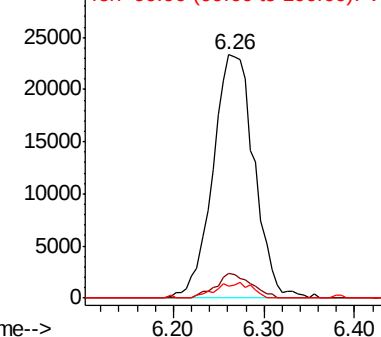
63 100

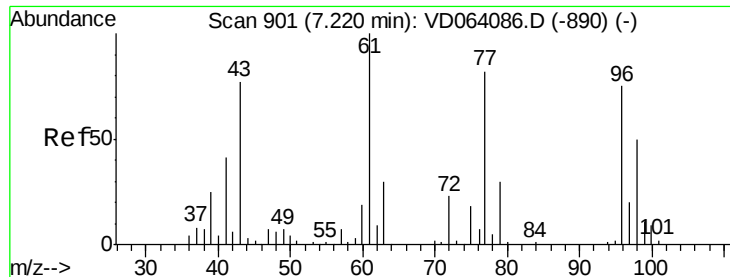
98 10.2 4.0 11.9

100 5.0 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: 104.029 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

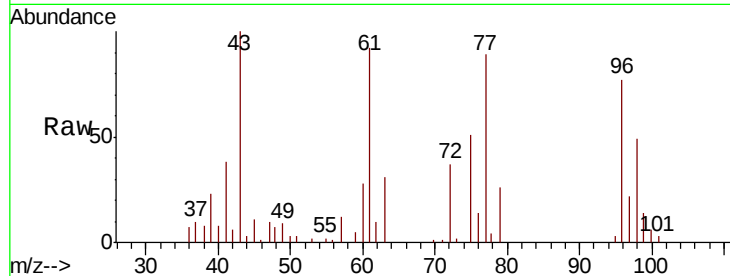
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 51242

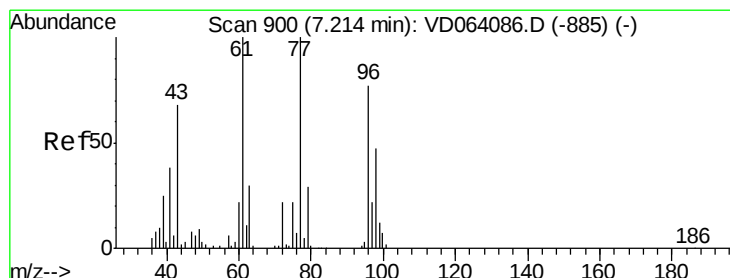
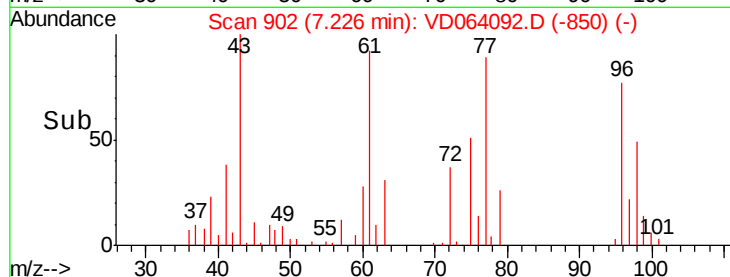
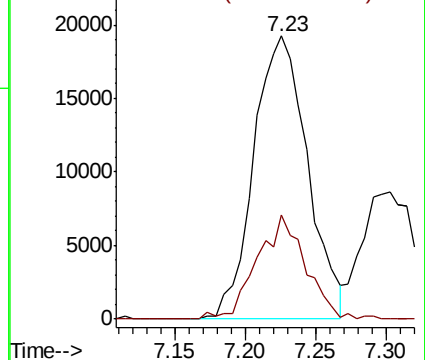
Ion Ratio Lower Upper

43 100

72 36.9 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: 20.147 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064092.D

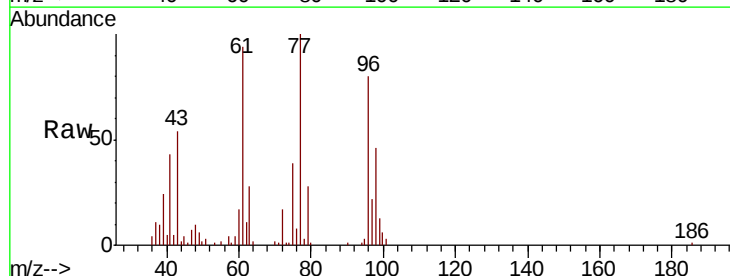
Acq: 29 Oct 2019 16:49

Tgt Ion: 77 Resp: 68365

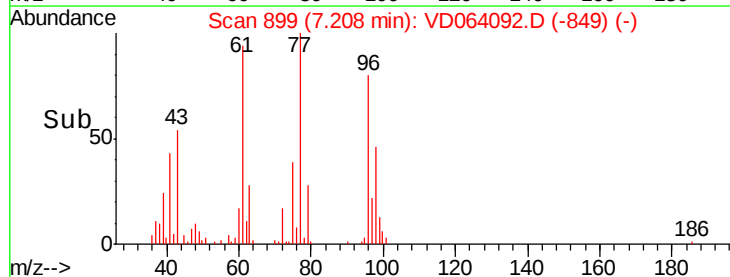
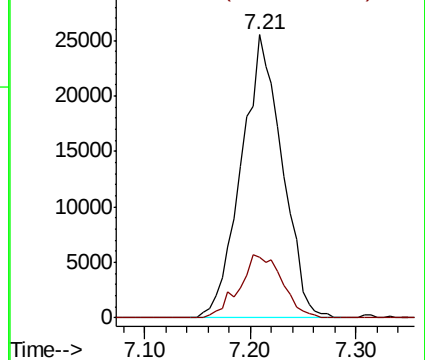
Ion Ratio Lower Upper

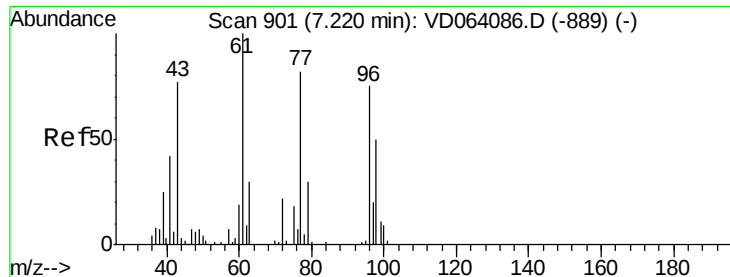
77 100

97 23.5 11.2 33.5



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



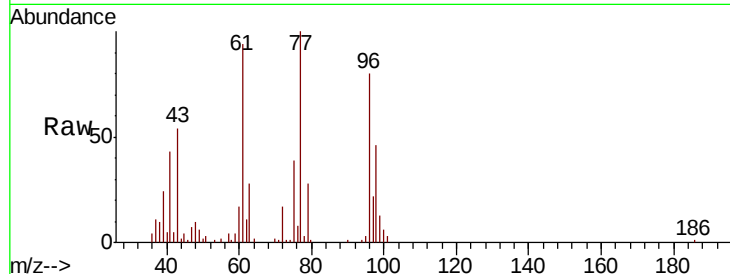


#27

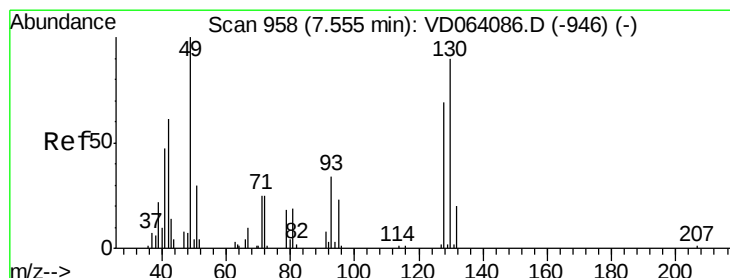
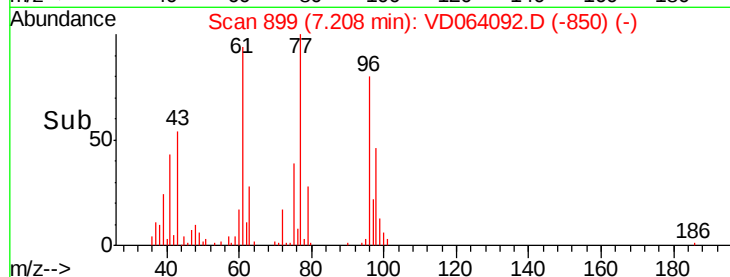
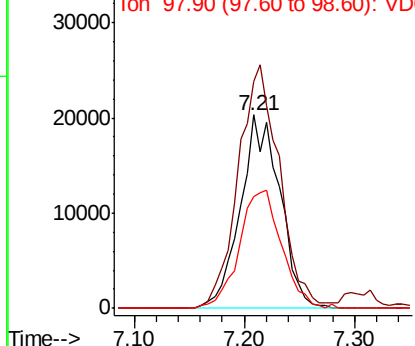
cis-1,2-Dichloroethene
 Concen: 19.921 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 96 Resp: 51109
 Ion Ratio Lower Upper
 96 100
 61 131.2 0.0 258.0
 98 65.2 0.0 130.8



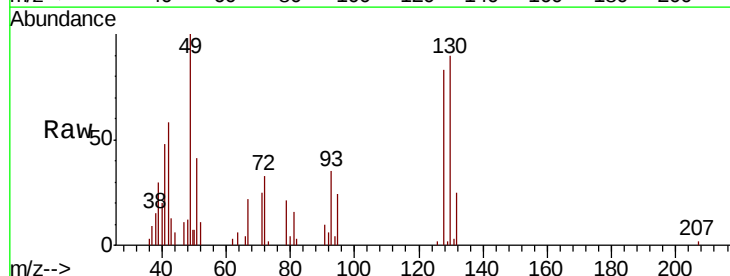
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



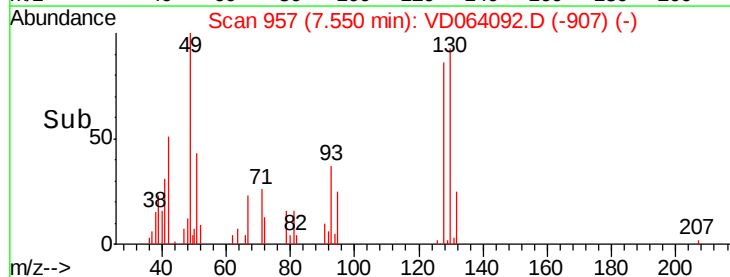
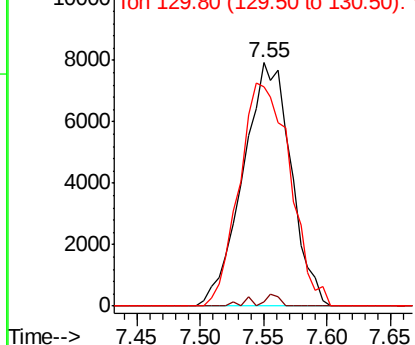
#28

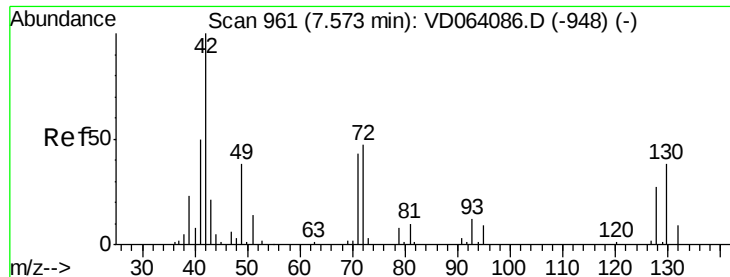
Bromochloromethane
 Concen: 16.558 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Tgt Ion: 49 Resp: 20879
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 5.4
 130 96.7 75.3 112.9



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

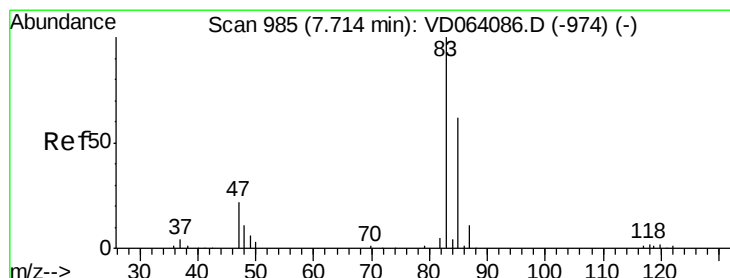
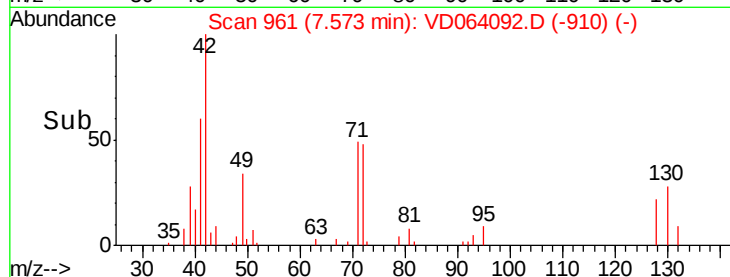
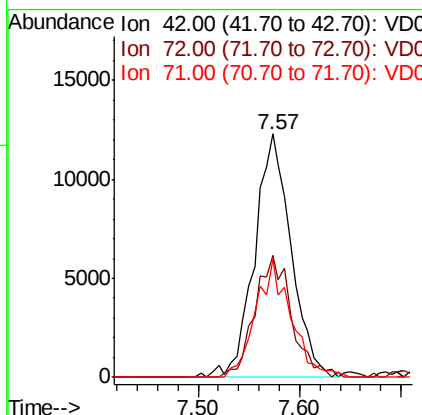
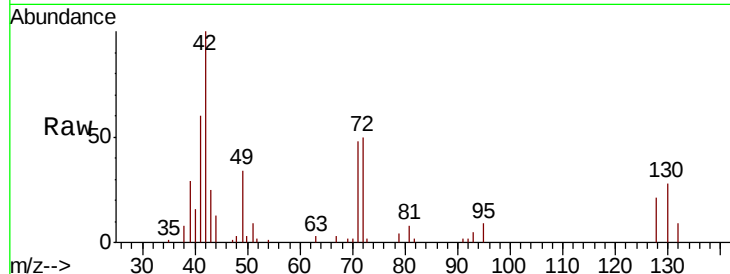




#29
Tetrahydrofuran
Concen: 107.286 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

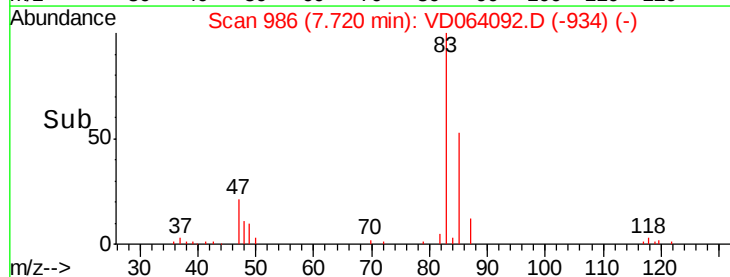
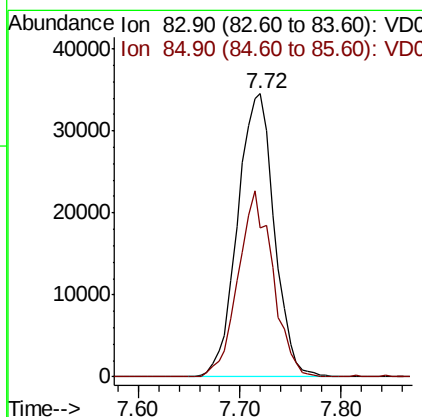
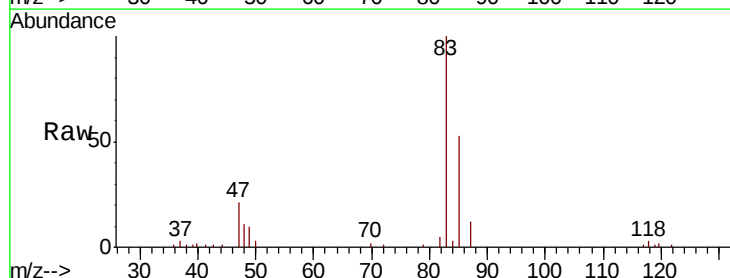
Instrument :
MSVOA_D
ClientSampleId :

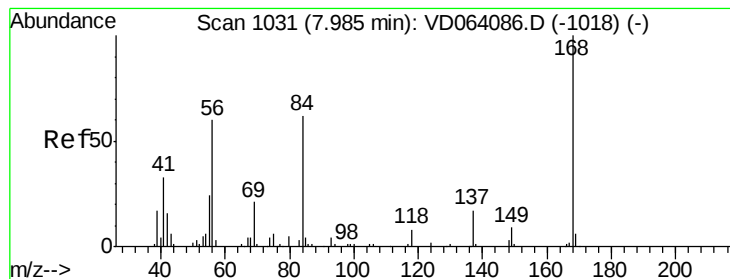
Tot Ion: 42 Resp: 30842
Ion Ratio Lower Upper
42 100
72 50.3 38.9 58.3
71 47.0 35.4 53.2



#30
Chloroform
Concen: 21.153 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Tgt Ion: 83 Resp: 86537
Ion Ratio Lower Upper
83 100
85 52.8 49.8 74.6





#31

Cyclohexane

Concen: 20.074 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

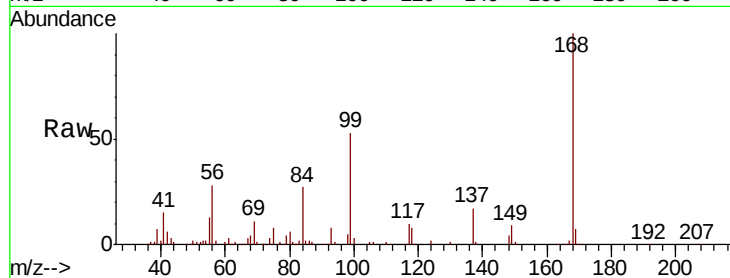
Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 69919

Ion	Ratio	Lower	Upper
56	100		
69	39.3	27.7	41.5
84	95.3	83.1	124.7

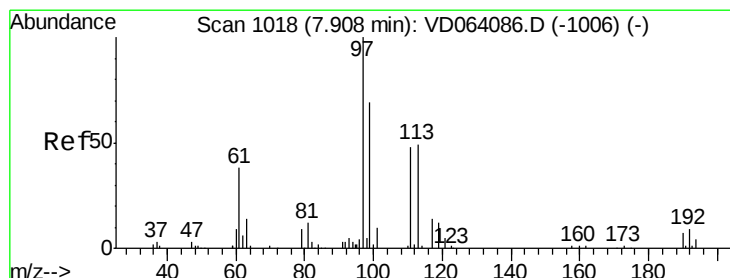
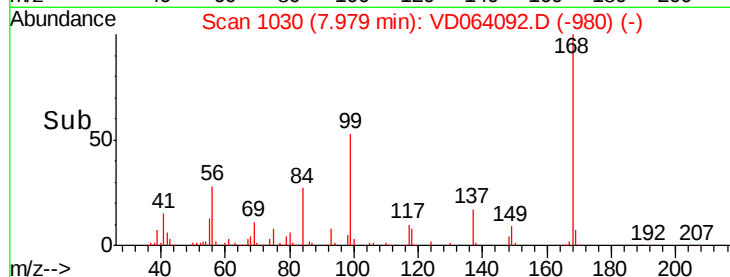
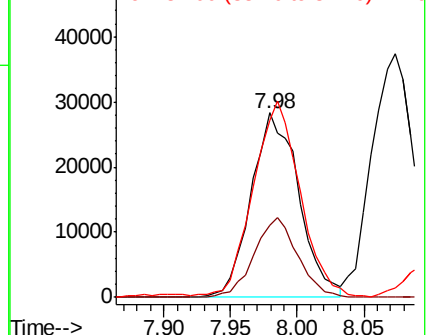


Abundance

Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 20.834 ug/l

RT: 7.91 min Scan# 1018

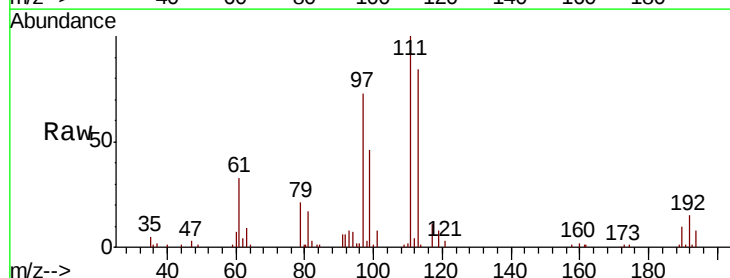
Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Tgt Ion: 97 Resp: 79341

Ion	Ratio	Lower	Upper
97	100		
99	64.9	53.7	80.5
61	38.1	31.8	47.6

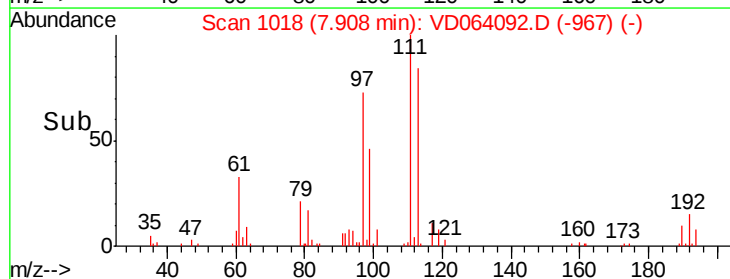
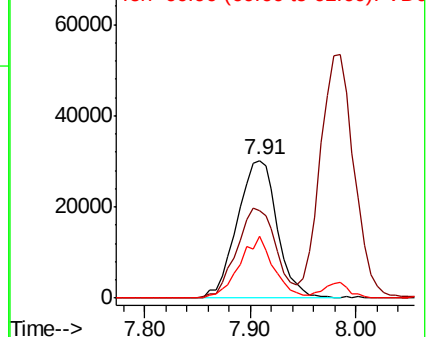


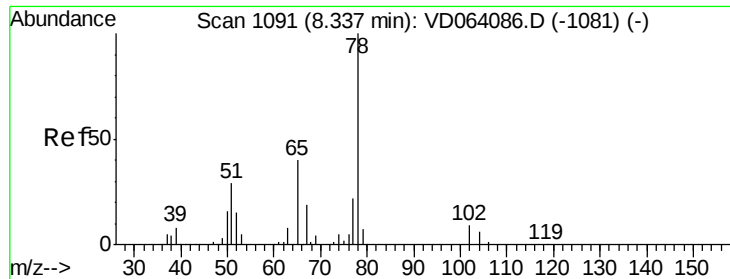
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 56.037 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

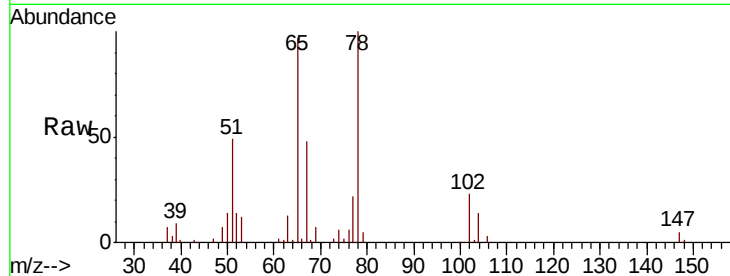
ClientSampleId :

Tot Ion: 65 Resp: 104936

Ion Ratio Lower Upper

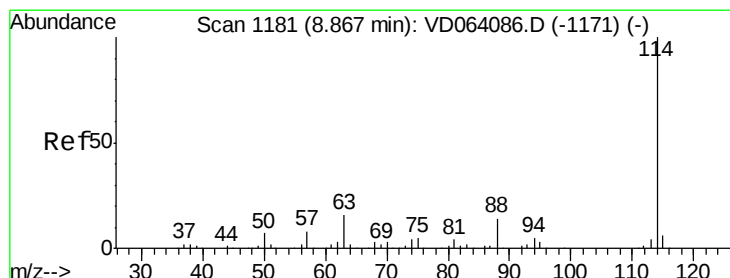
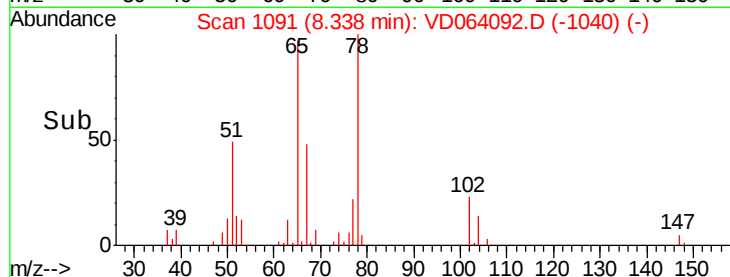
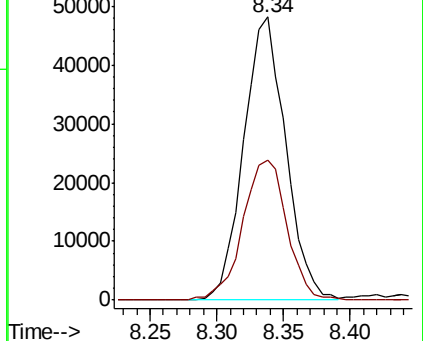
65 100

67 51.9 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: VD064092.D

Acq: 29 Oct 2019 16:49

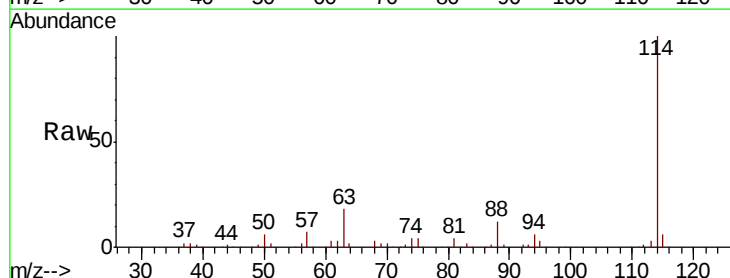
Tgt Ion: 114 Resp: 356220

Ion Ratio Lower Upper

114 100

63 18.0 0.0 32.8

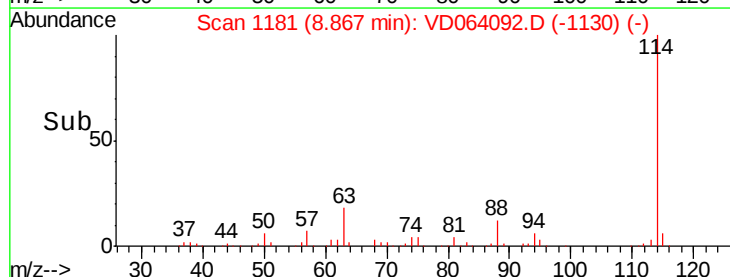
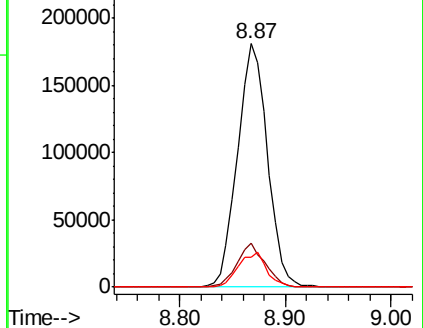
88 12.4 0.0 27.6

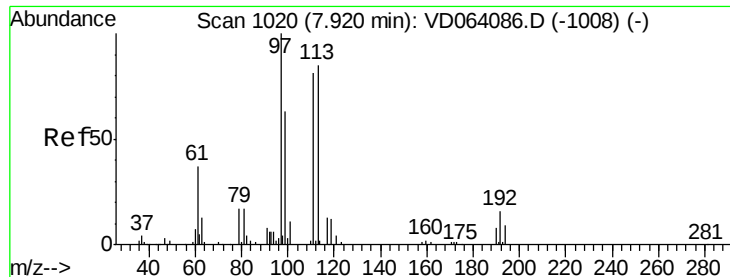


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 52.533 ug/l

RT: 7.93 min Scan# 1021

Delta R.T. 0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

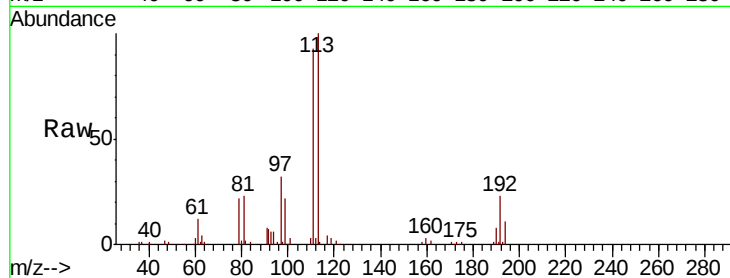
Tot Ion:113 Resp: 115129

Ion Ratio Lower Upper

113 100

111 101.4 79.3 118.9

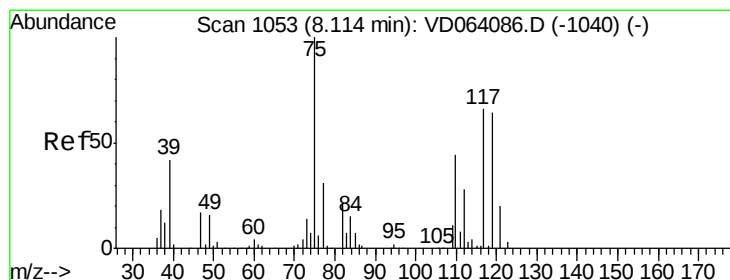
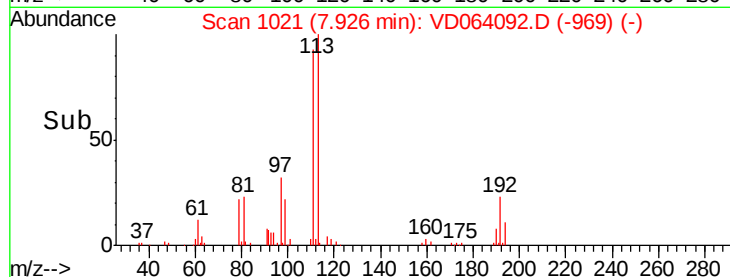
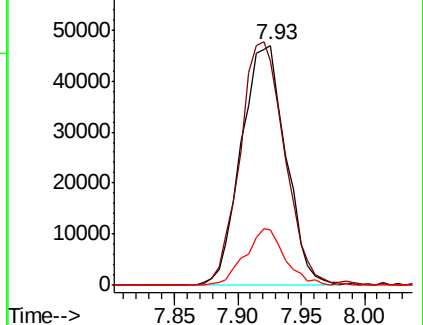
192 21.0 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.471 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

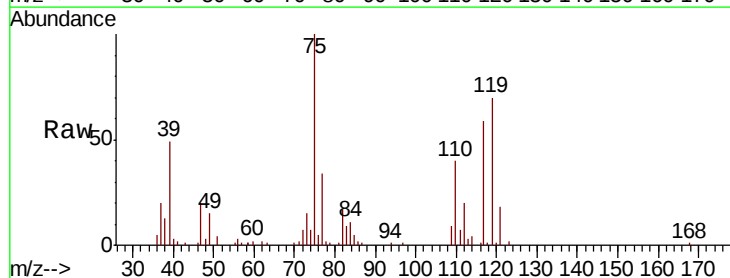
Tgt Ion: 75 Resp: 68329

Ion Ratio Lower Upper

75 100

110 36.5 20.0 59.9

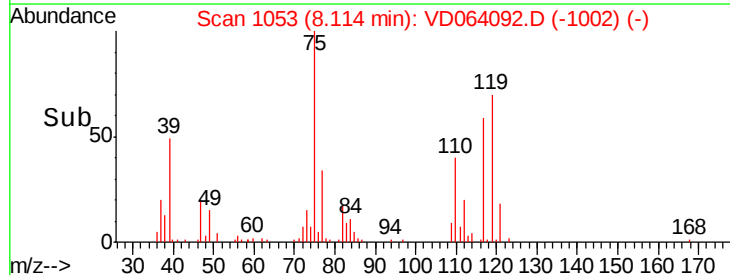
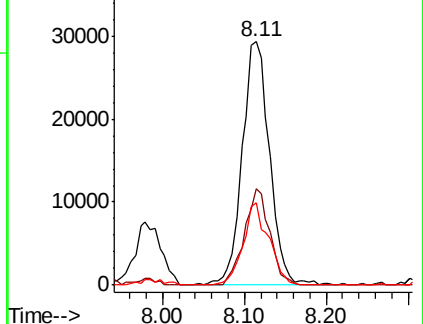
77 31.4 24.7 37.1

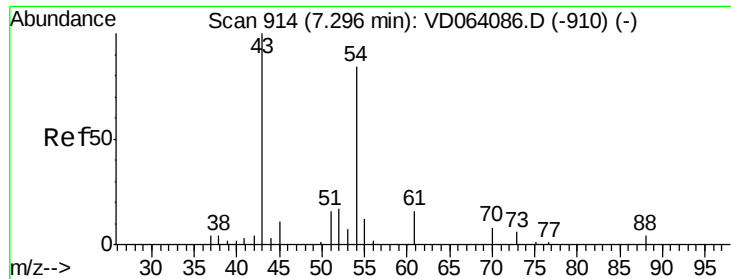


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 23.508 ug/l

RT: 7.30 min Scan# 915

Delta R.T. 0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :

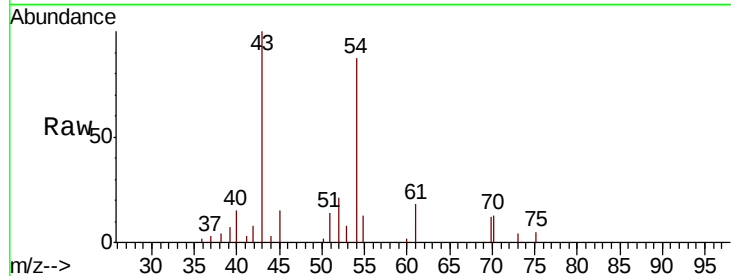
Tot Ion: 43 Resp: 24152

Ion Ratio Lower Upper

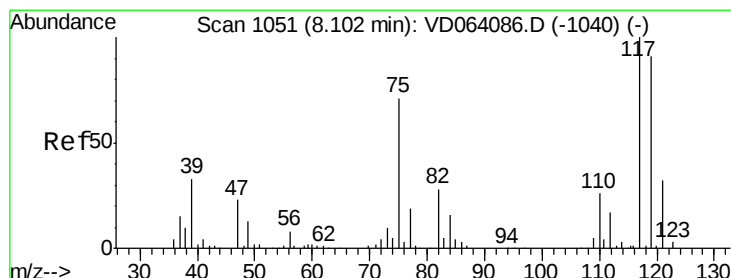
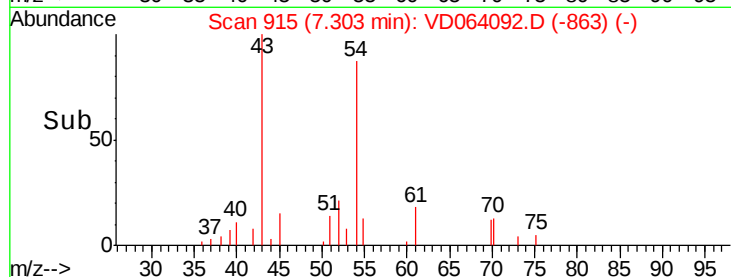
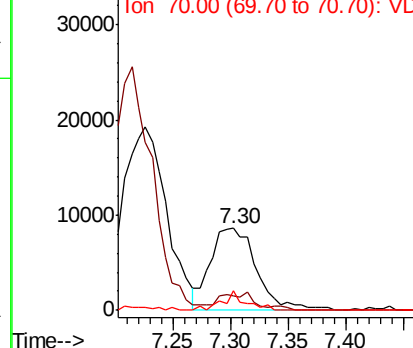
43 100

61 10.8 12.0 18.0#

70 11.7 3.8 5.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 20.781 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

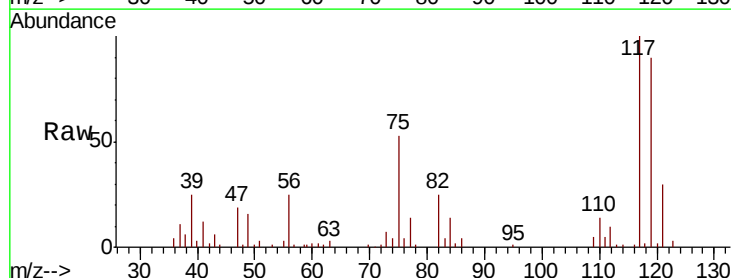
Tgt Ion: 117 Resp: 75681

Ion Ratio Lower Upper

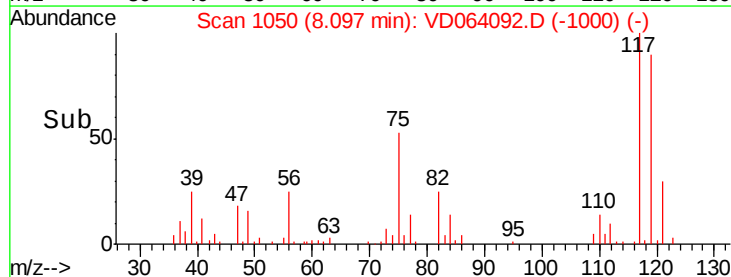
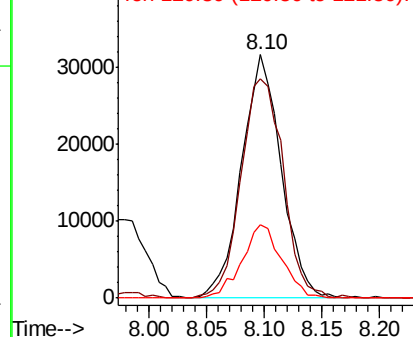
117 100

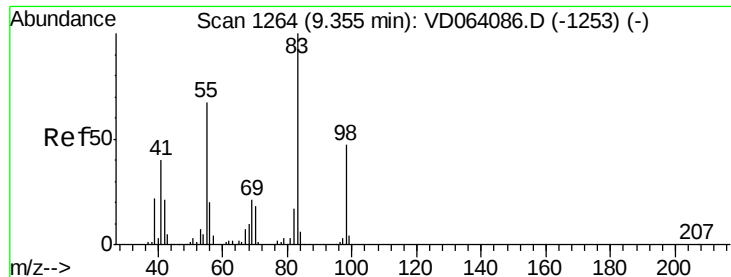
119 90.3 72.6 108.8

121 30.1 25.8 38.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

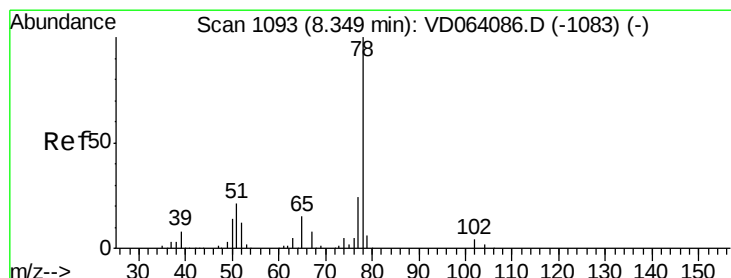
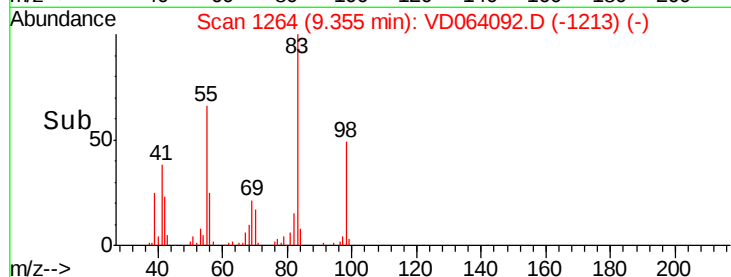
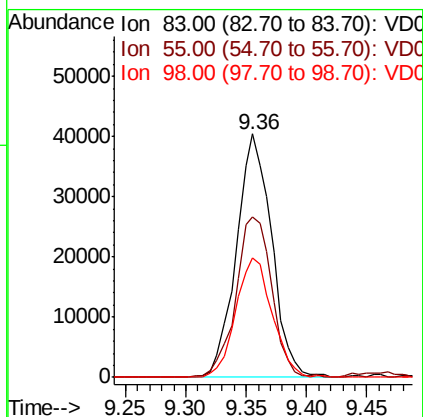
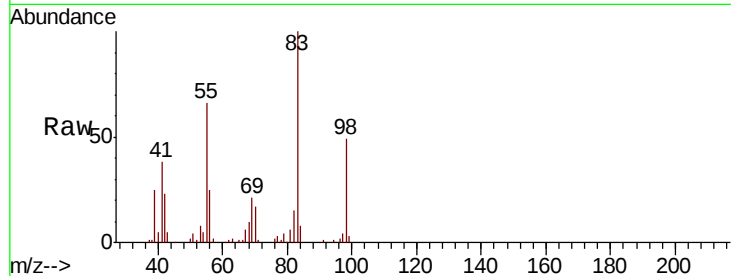




#39
Methvlcvclohexane
Concen: 20.149 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

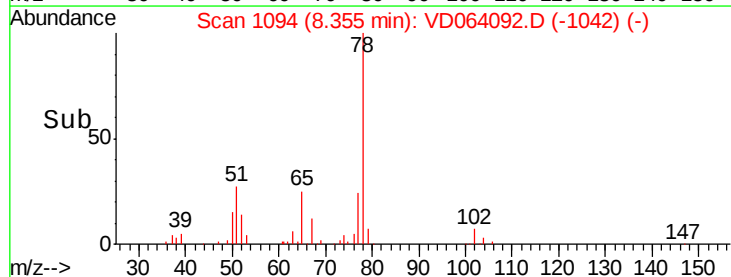
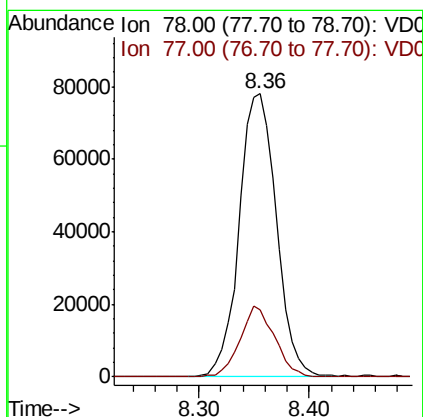
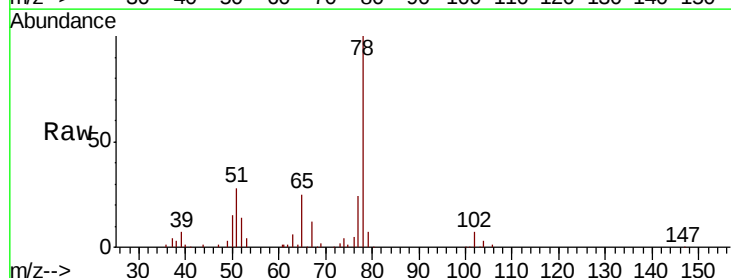
Instrument :
MSVOA_D
ClientSampleId :

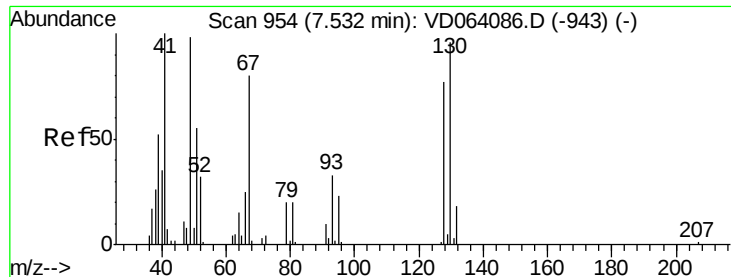
Tot Ion: 83 Resp: 82561
Ion Ratio Lower Upper
83 100
55 66.1 53.4 80.0
98 48.9 37.8 56.6



#40
Benzene
Concen: 20.290 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Tgt Ion: 78 Resp: 184683
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4

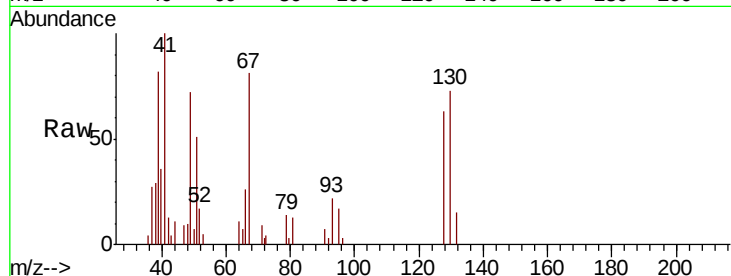




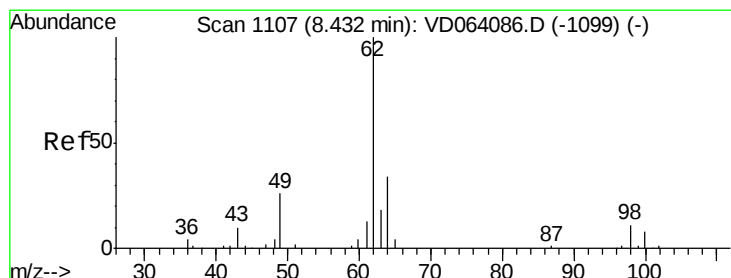
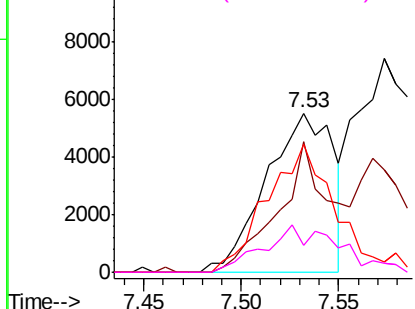
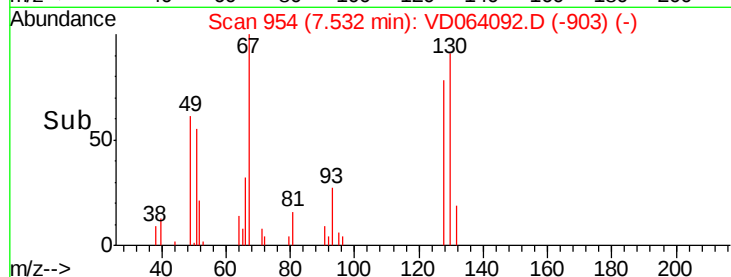
#41
Methacrylonitrile
Concen: 22.221 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 13175
Ion Ratio Lower Upper
41 100
39 64.3 41.0 61.4#
67 82.0 73.4 110.0
52 17.6 27.3 40.9#

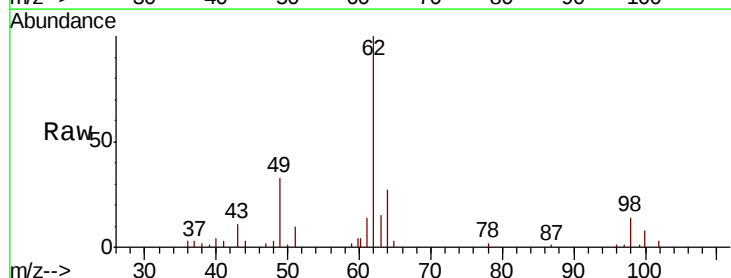


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

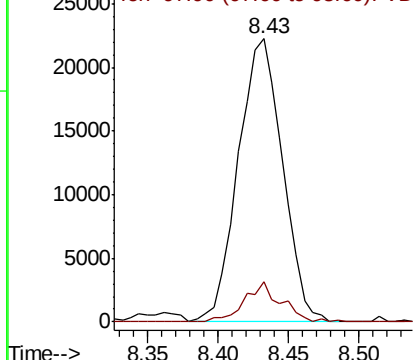
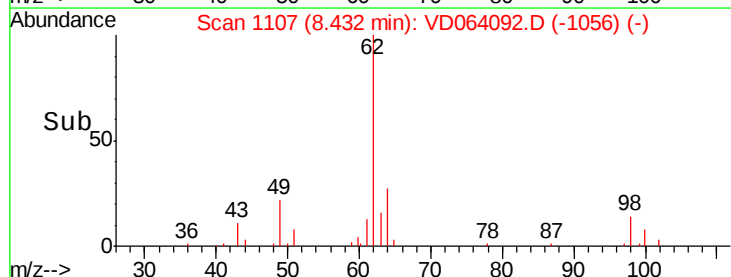


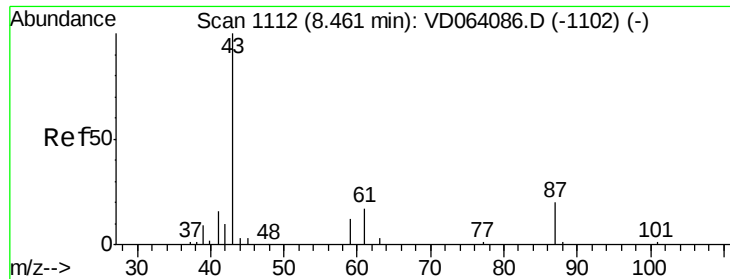
#42
1,2-Dichloroethane
Concen: 20.320 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Tgt Ion: 62 Resp: 48858
Ion Ratio Lower Upper
62 100
98 11.5 0.0 21.0



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

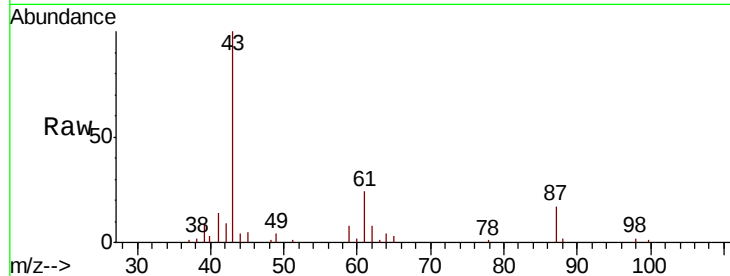




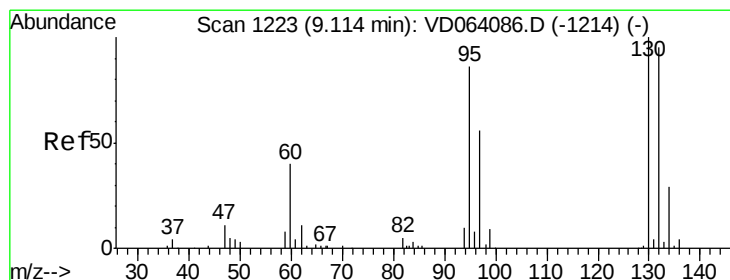
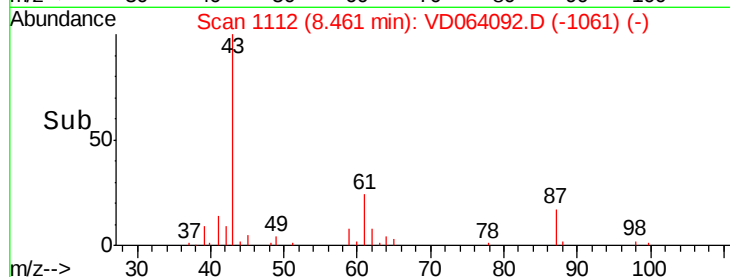
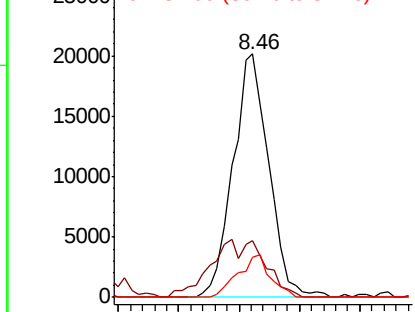
#43
Isopropyl Acetate
Concen: 20.073 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 41678
Ion Ratio Lower Upper
43 100
61 0.0 25.8 38.8#
87 15.8 13.0 19.4

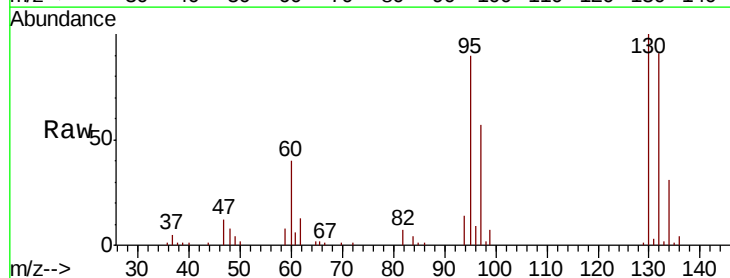


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

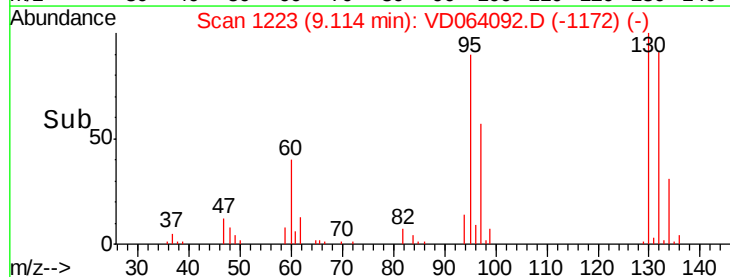
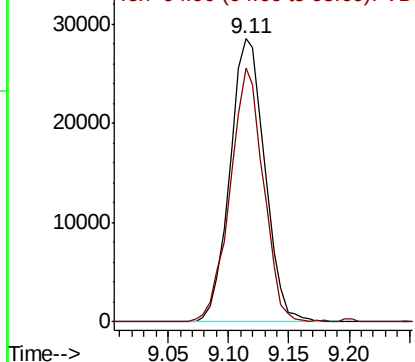


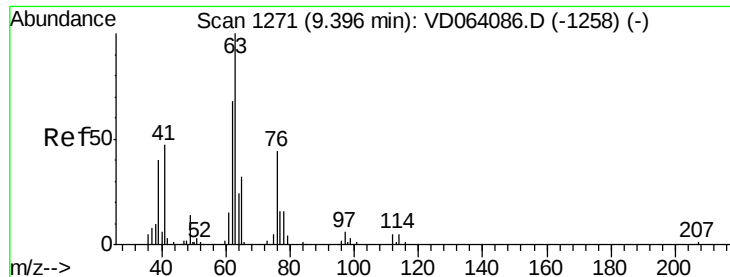
#44
Trichloroethene
Concen: 20.806 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Tgt Ion:130 Resp: 57401
Ion Ratio Lower Upper
130 100
95 89.9 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: 19.852 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

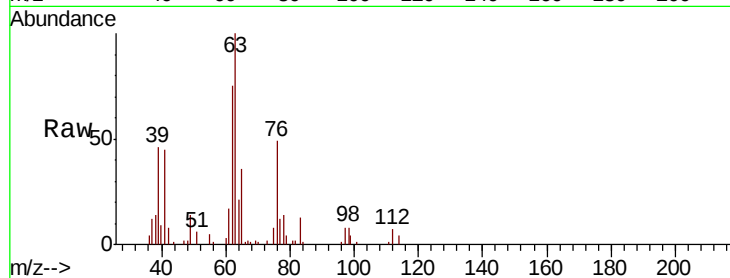
ClientSampled :

Tot Ion: 63 Resp: 41878

Ion Ratio Lower Upper

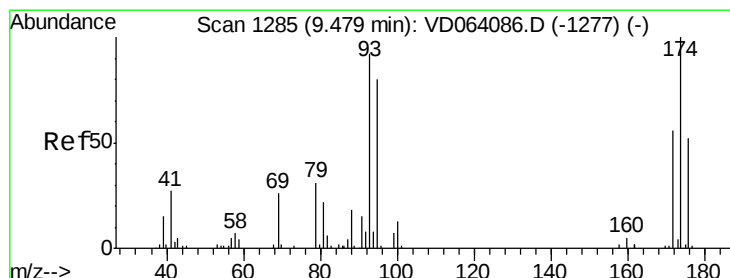
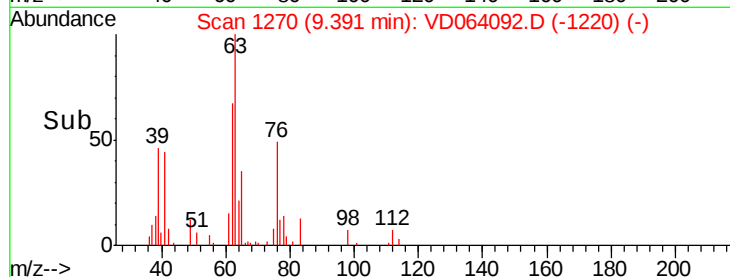
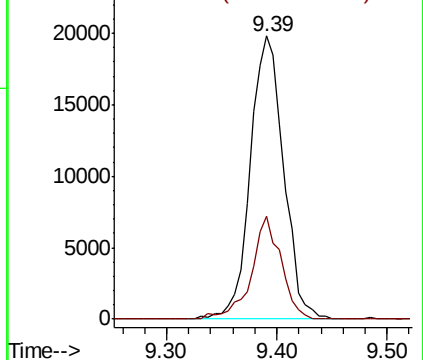
63 100

65 36.3 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.486 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

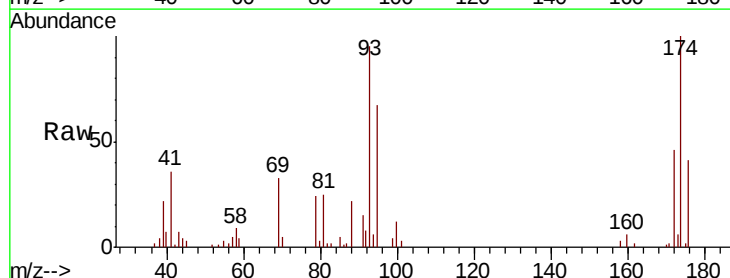
Tgt Ion: 93 Resp: 26027

Ion Ratio Lower Upper

93 100

95 79.2 67.4 101.2

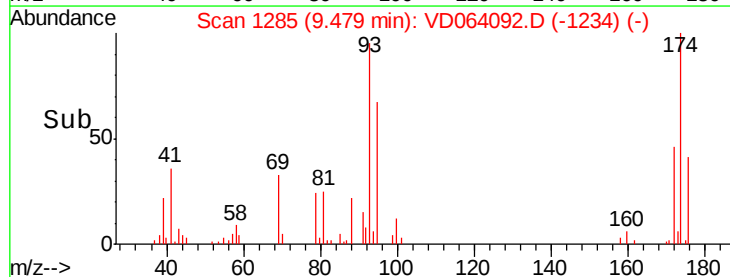
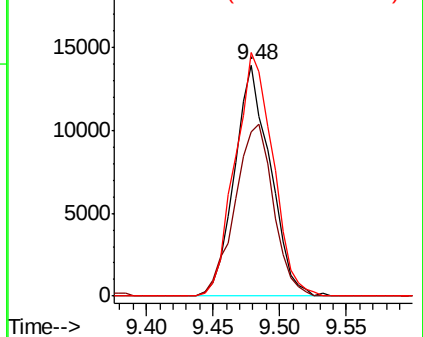
174 110.8 86.4 129.6

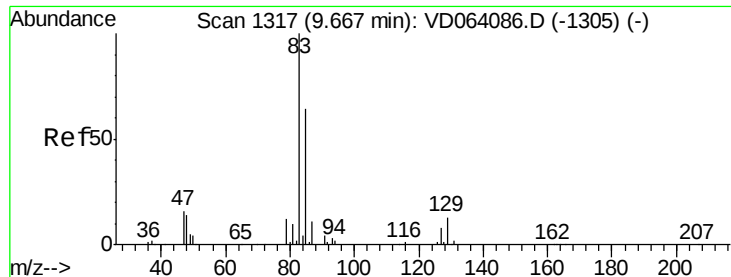


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.882 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :

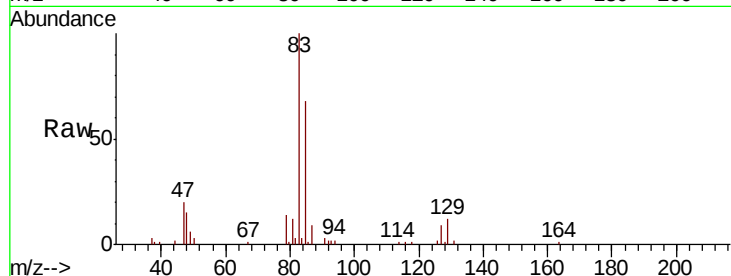
Tot Ion: 83 Resp: 63722

Ion Ratio Lower Upper

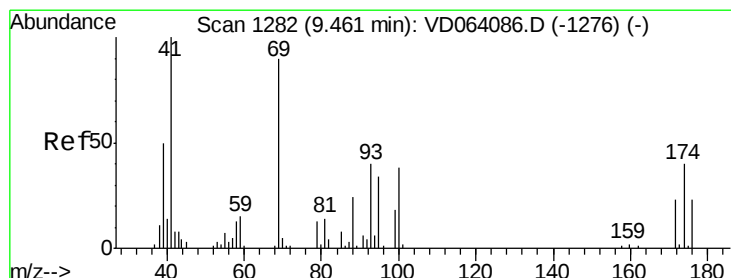
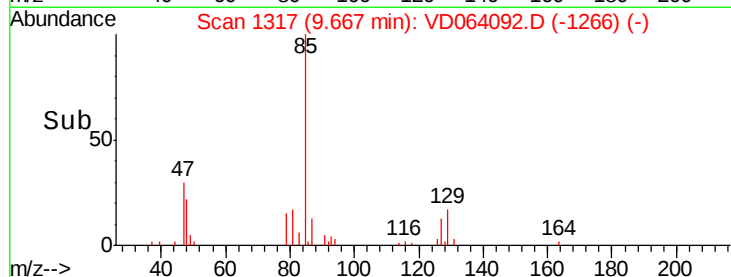
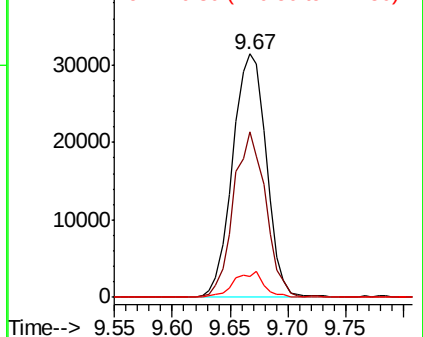
83 100

85 67.9 51.4 77.0

127 8.6 6.7 10.1



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



#48

Methyl methacrylate

Concen: 20.938 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

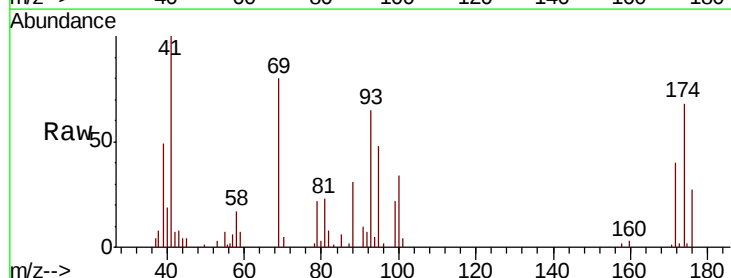
Tgt Ion: 41 Resp: 20104

Ion Ratio Lower Upper

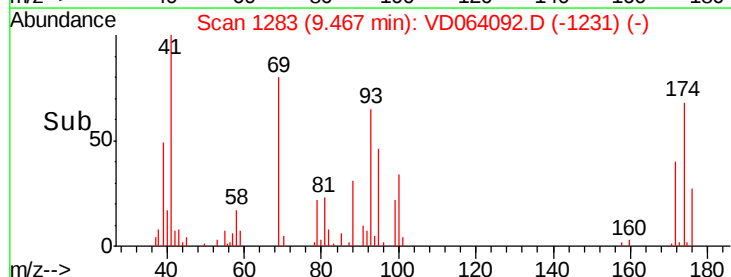
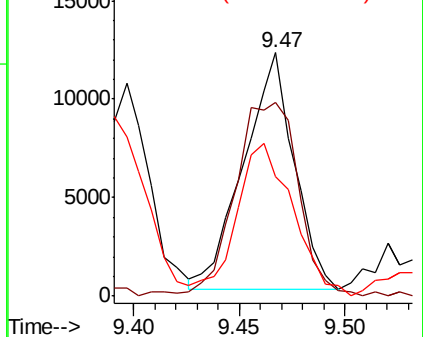
41 100

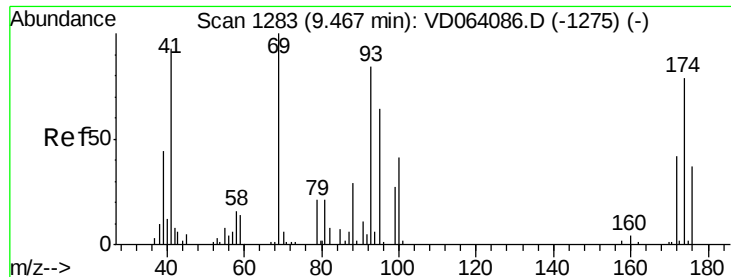
69 101.2 82.6 124.0

39 71.8 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

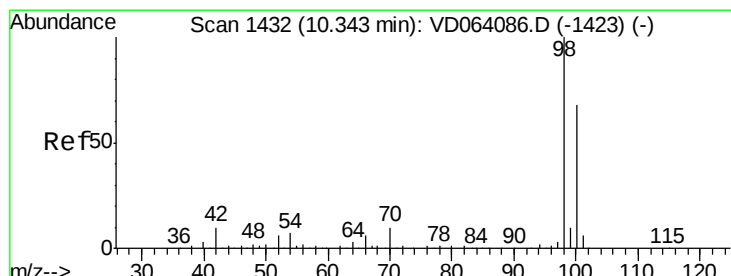
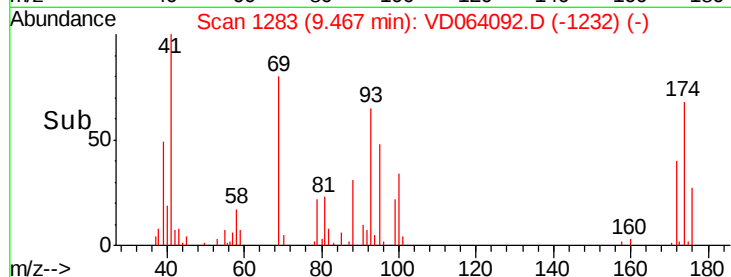
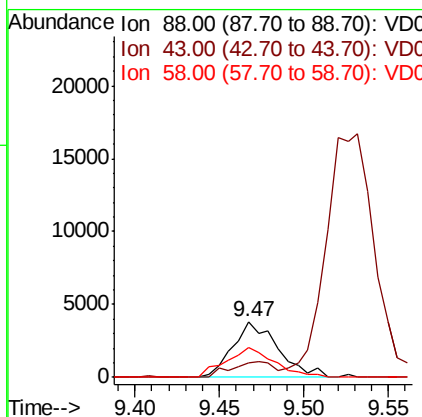
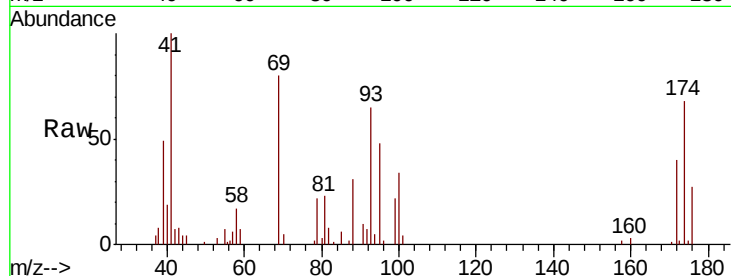




#49
 1,4-Dioxane
 Concen: 489.943 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

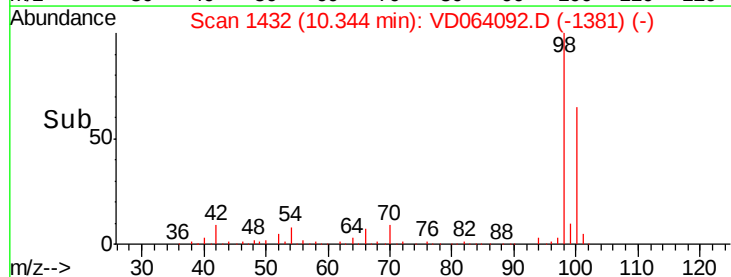
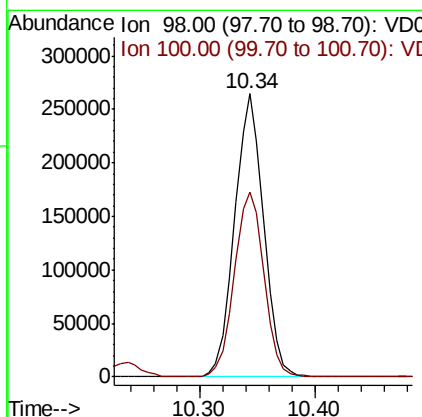
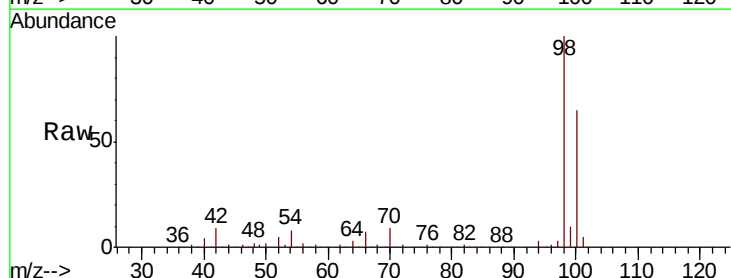
Instrument :
 MSVOA_D
 ClientSampleId :

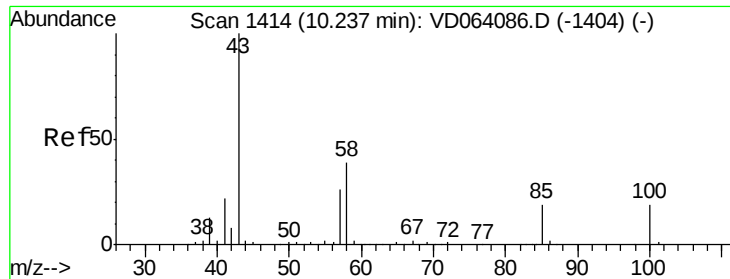
Tot Ion: 88 Resp: 7125
 Ion Ratio Lower Upper
 88 100
 43 27.1 13.4 20.0#
 58 56.5 46.7 70.1



#50
 Toluene-d8
 Concen: 52.483 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Tgt Ion: 98 Resp: 459981
 Ion Ratio Lower Upper
 98 100
 100 66.6 53.4 80.0





#51

4-Methyl-2-Pentanone

Concen: 104.222 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

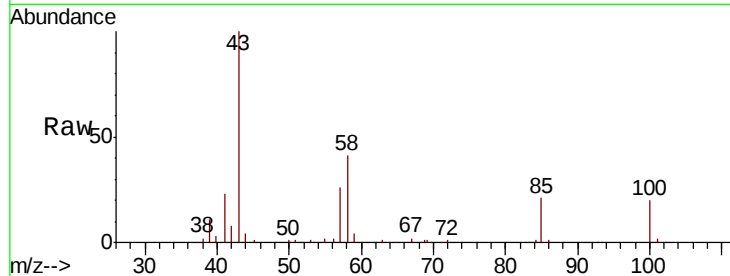
ClientSampleId :

Tot Ion: 43 Resp: 117808

Ion Ratio Lower Upper

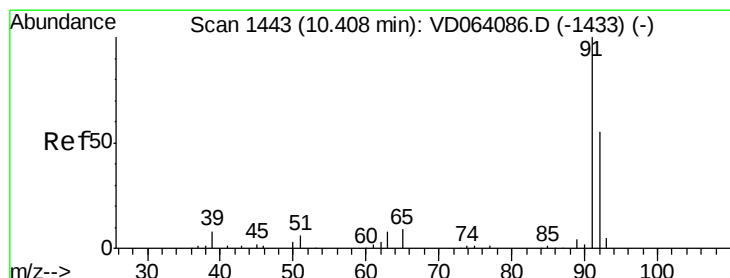
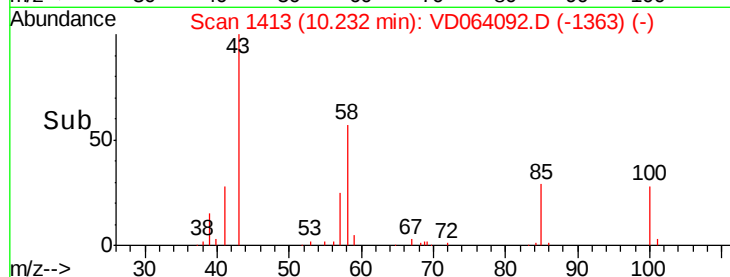
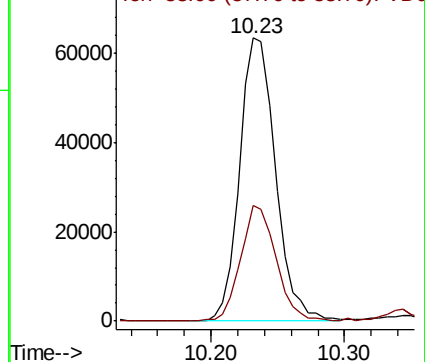
43 100

58 40.4 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.367 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064092.D

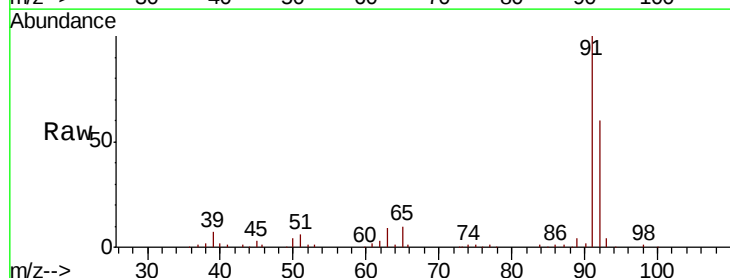
Acq: 29 Oct 2019 16:49

Tgt Ion: 92 Resp: 129921

Ion Ratio Lower Upper

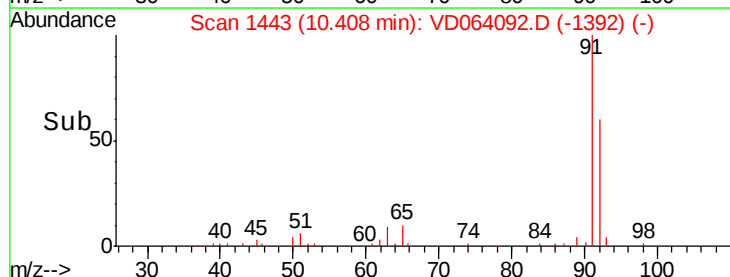
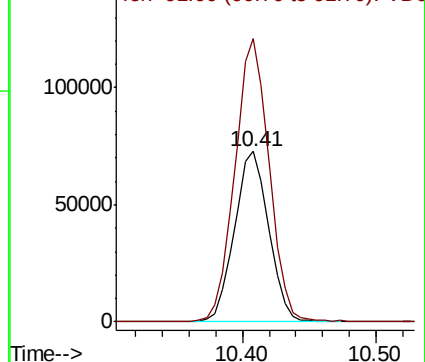
92 100

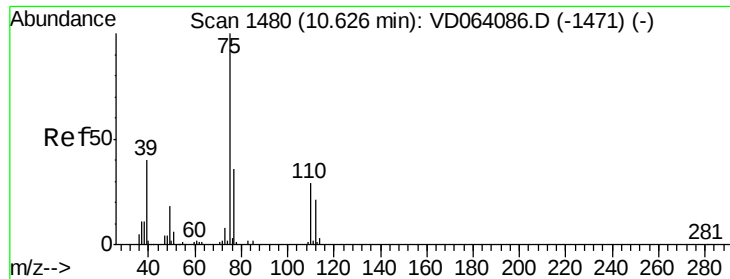
91 165.9 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.211 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

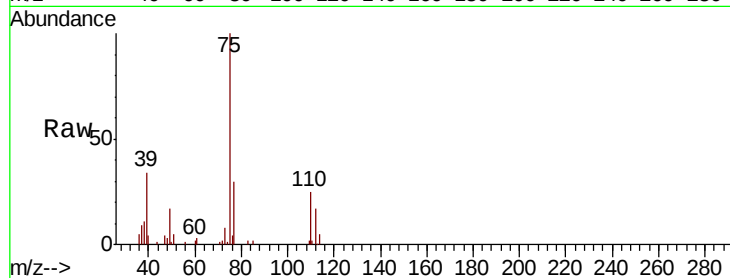
ClientSampleId :

Tot Ion: 75 Resp: 57475

Ion Ratio Lower Upper

75 100

77 29.5 28.7 43.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

40000

30000

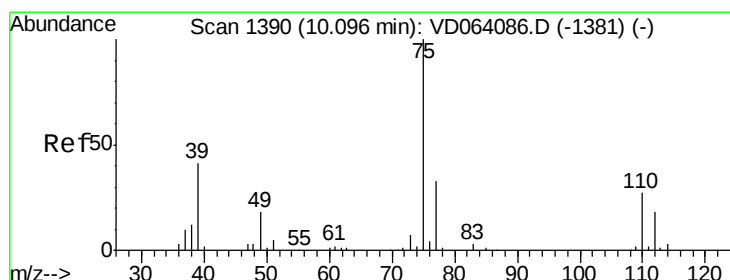
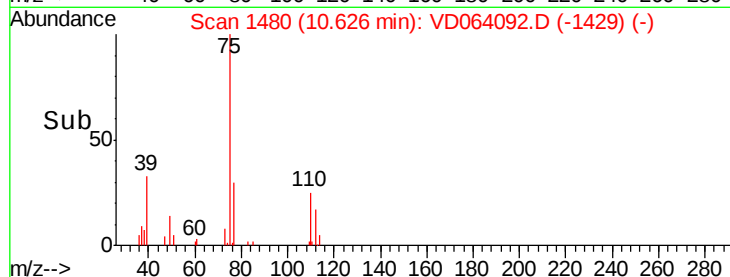
20000

10000

0

Time-->

10.55 10.60 10.65 10.70



#54

cis-1,3-Dichloropropene

Concen: 20.168 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

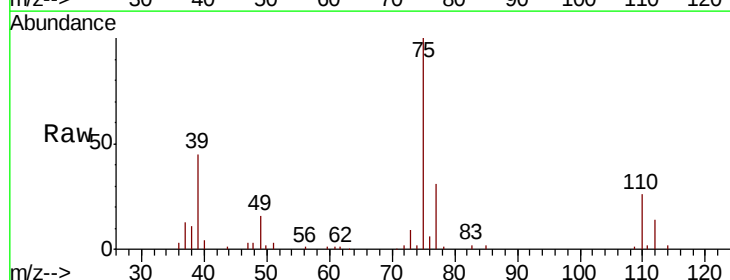
Tgt Ion: 75 Resp: 70988

Ion Ratio Lower Upper

75 100

77 30.9 26.8 40.2

39 44.6 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

50000

40000

30000

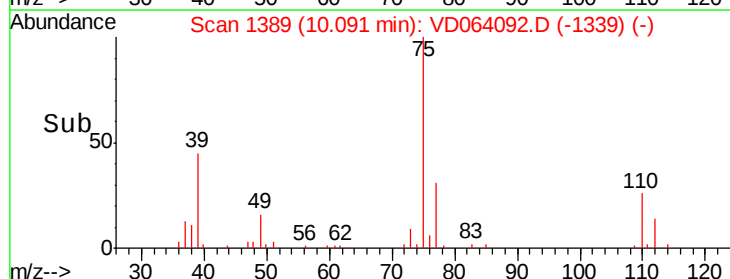
20000

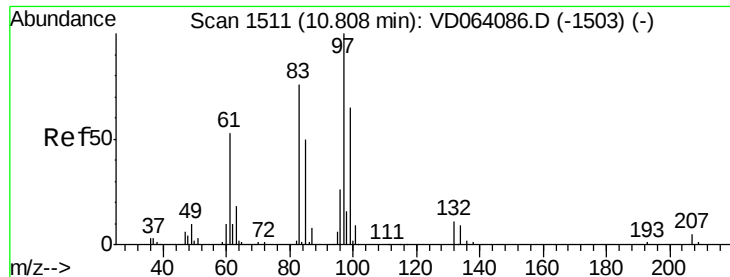
10000

0

Time-->

10.00 10.10 10.20

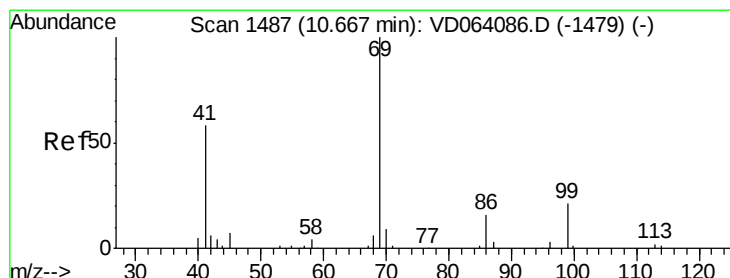
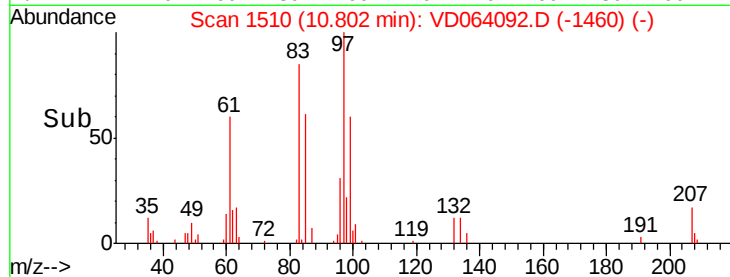
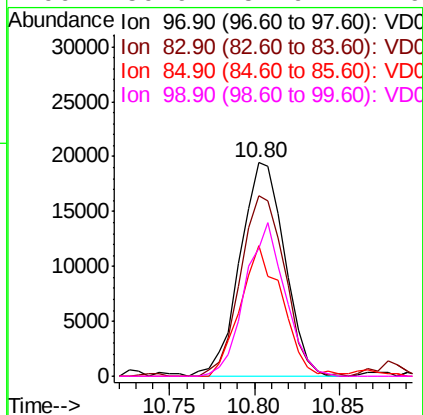
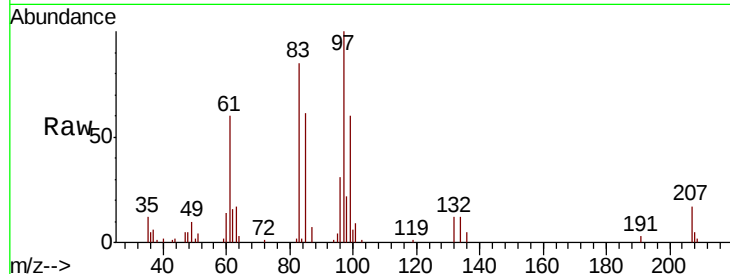




#55
 1,1,2-Trichloroethane
 Concen: 19.898 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

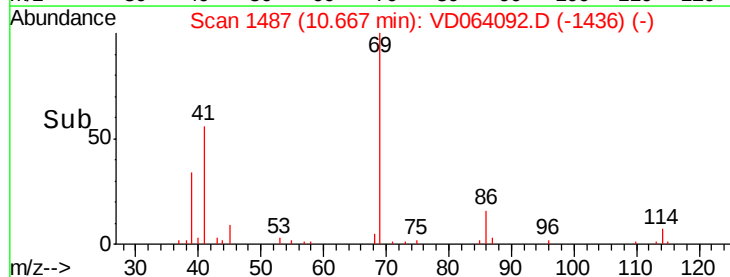
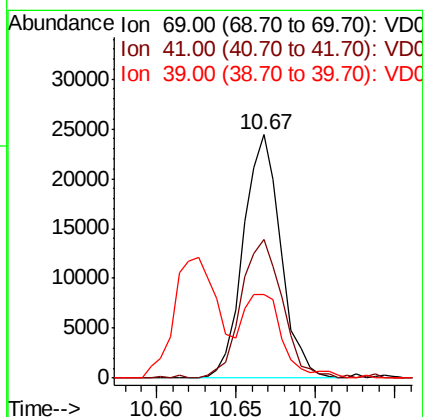
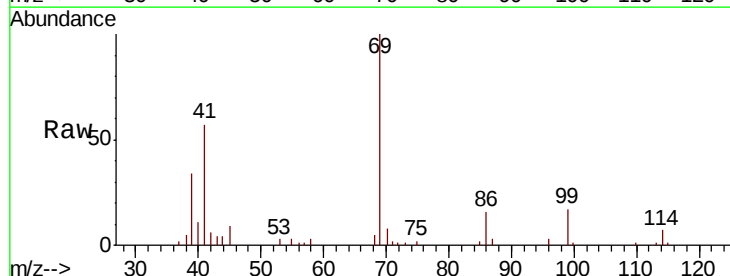
Instrument :
 MSVOA_D
 ClientSampleId :

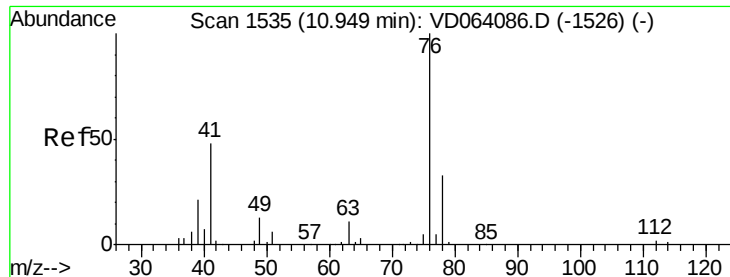
Tot Ion:	97	Resp:	35842
Ion	Ratio	Lower	Upper
97	100		
83	84.5	60.9	91.3
85	61.0	40.2	60.2#
99	59.9	51.9	77.9



#56
 Ethyl methacrylate
 Concen: 20.155 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Tgt Ion:	69	Resp:	39928
Ion	Ratio	Lower	Upper
69	100		
41	63.1	46.9	70.3
39	35.8	27.3	40.9





#57

1,3-Dichloropropane

Concen: 19.517 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

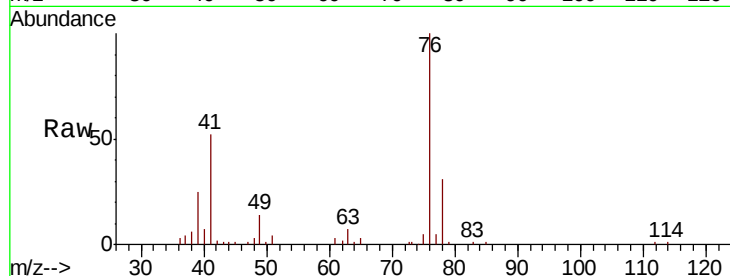
ClientSampleId :

Tot Ion: 76 Resp: 58141

Ion Ratio Lower Upper

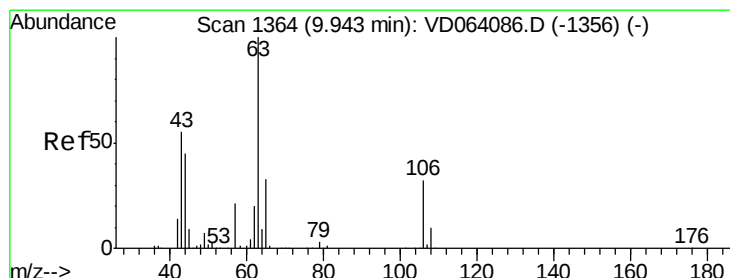
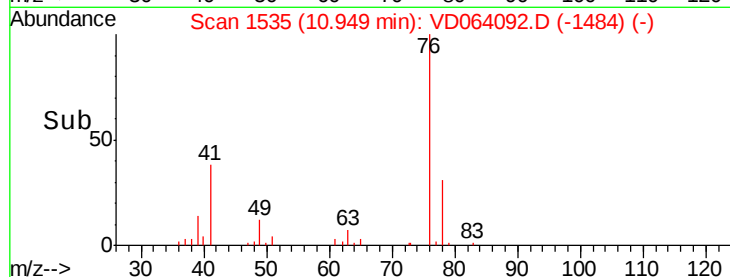
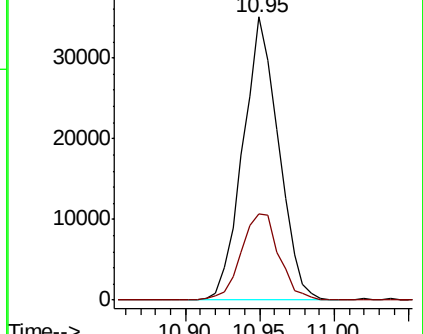
76 100

78 32.3 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 100.279 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD064092.D

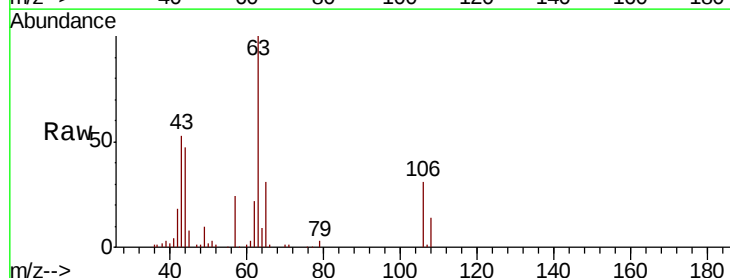
Acq: 29 Oct 2019 16:49

Tgt Ion: 63 Resp: 79134

Ion Ratio Lower Upper

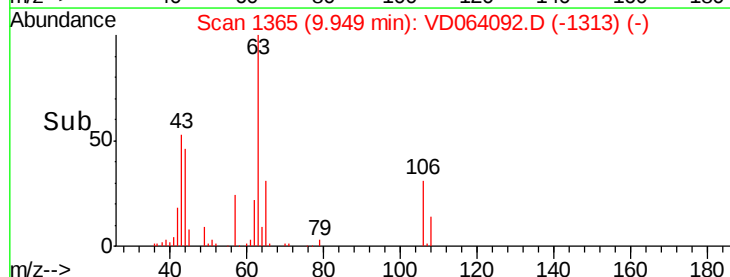
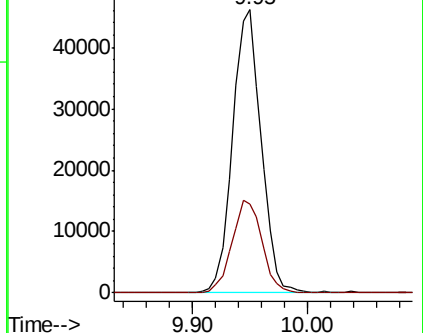
63 100

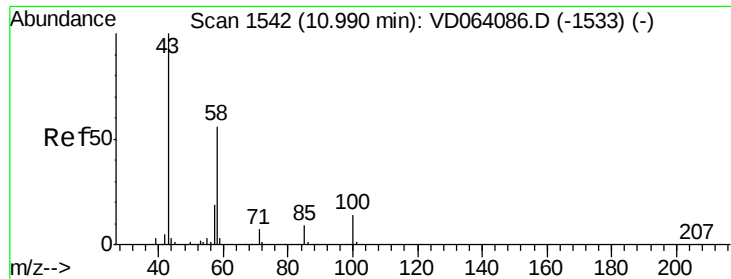
106 33.9 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

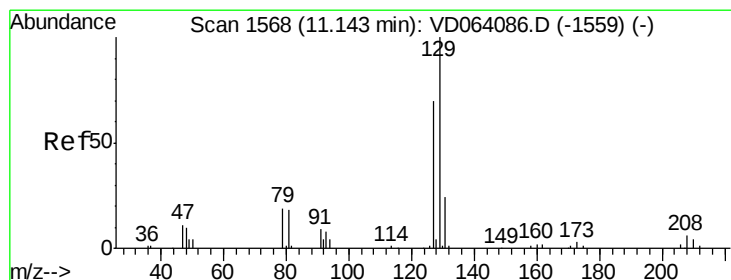
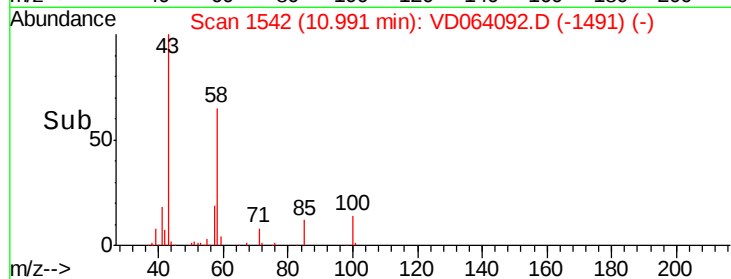
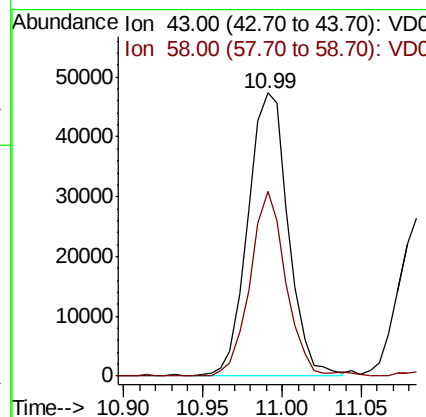
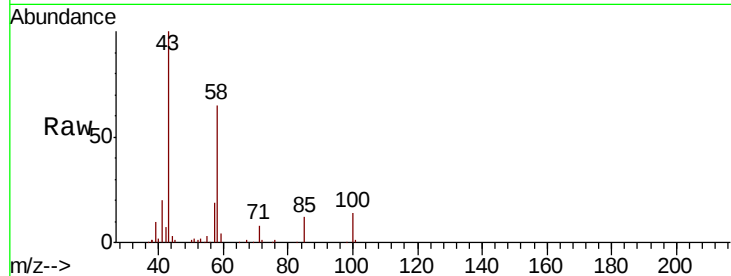




#59
2-Hexanone
Concen: 100.167 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

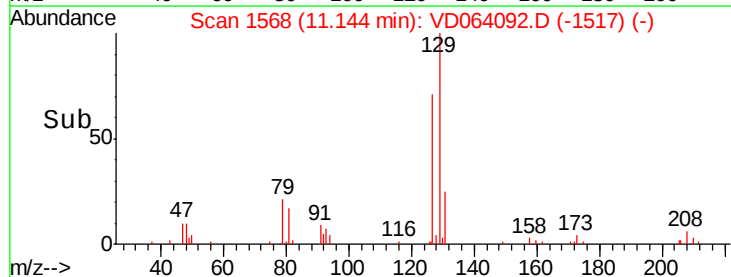
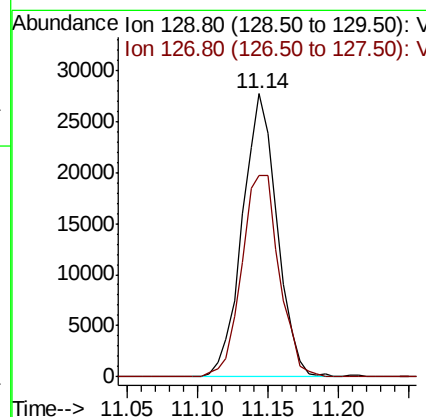
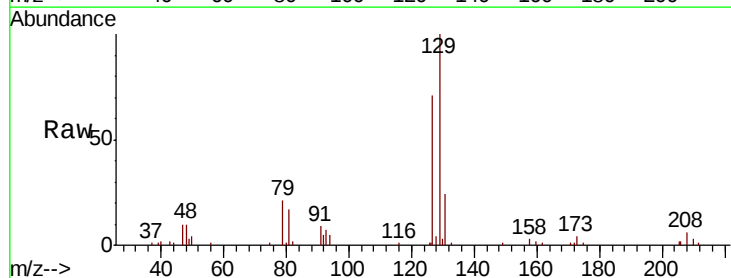
Instrument :
MSVOA_D
ClientSampleId :

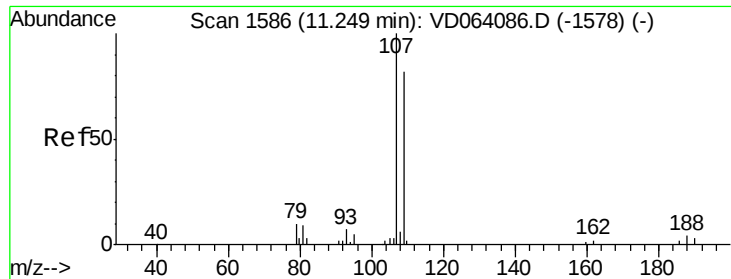
Tot Ion: 43 Resp: 83790
Ion Ratio Lower Upper
43 100
58 57.7 29.2 87.6



#60
Dibromochloromethane
Concen: 19.492 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Tgt Ion: 129 Resp: 47654
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.8

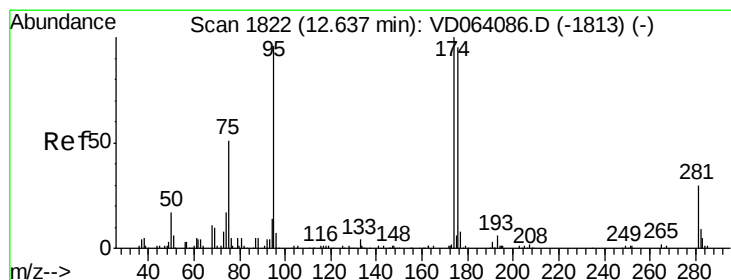
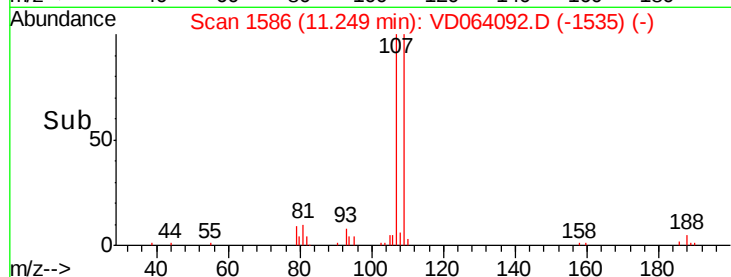
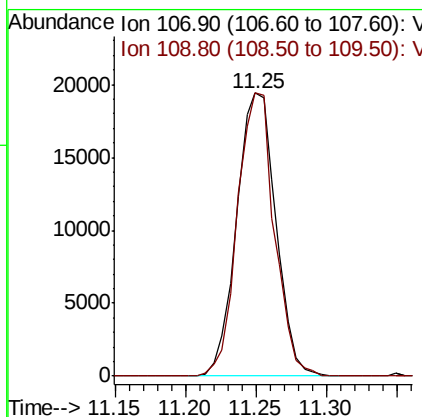
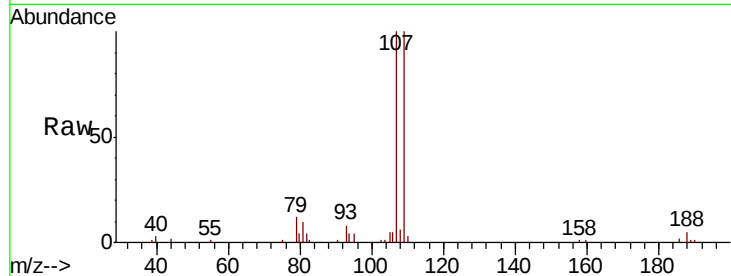




#61
 1,2-Dibromoethane
 Concen: 20.919 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

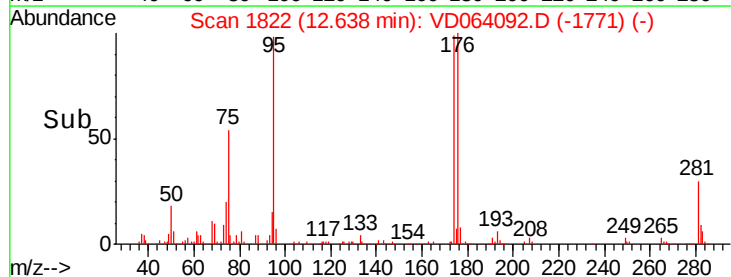
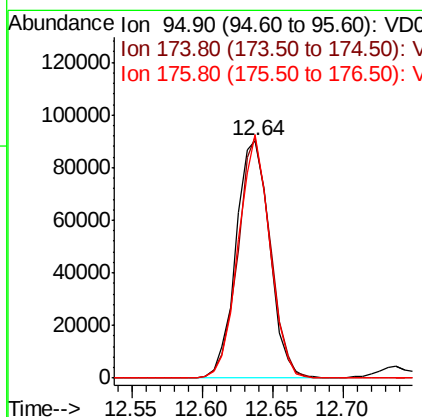
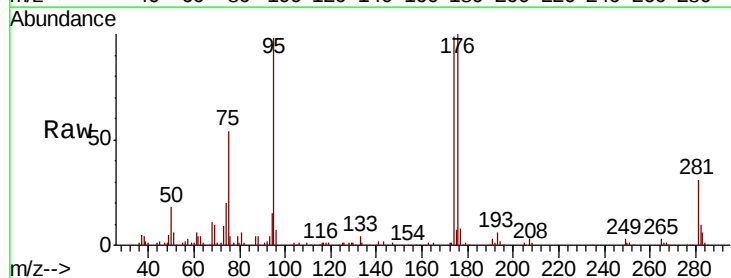
Instrument :
 MSVOA_D
 ClientSampleId :

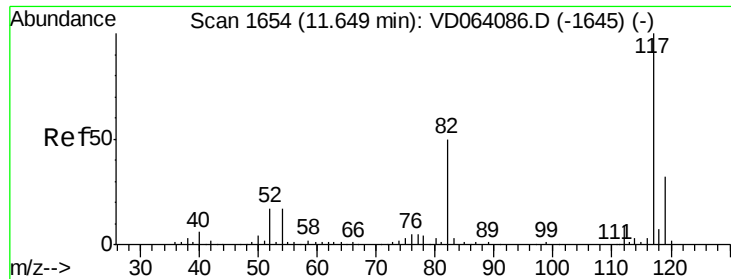
Tot Ion: 107 Resp: 37687
 Ion Ratio Lower Upper
 107 100
 109 94.4 73.0 109.4



#62
 4-Bromofluorobenzene
 Concen: 51.782 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Tgt Ion: 95 Resp: 150462
 Ion Ratio Lower Upper
 95 100
 174 97.2 0.0 201.6
 176 95.4 0.0 192.6

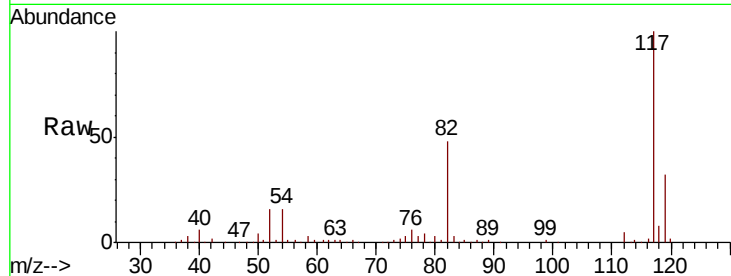




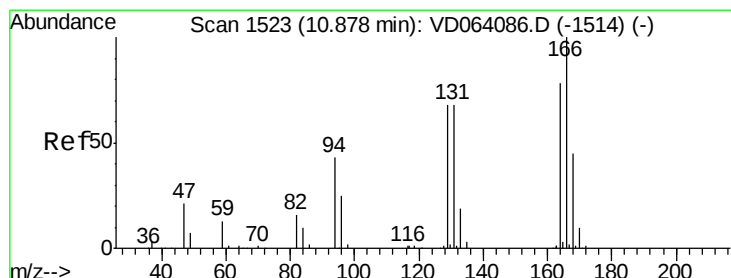
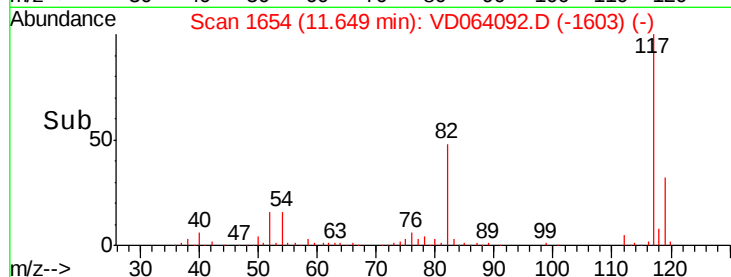
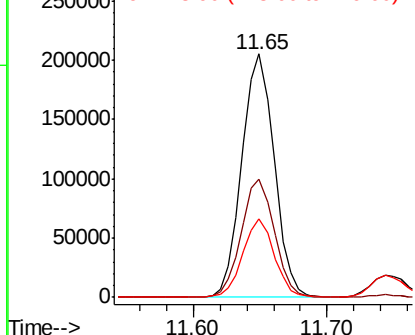
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 345185
Ion Ratio Lower Upper
117 100
82 48.3 40.2 60.4
119 32.1 26.0 39.0

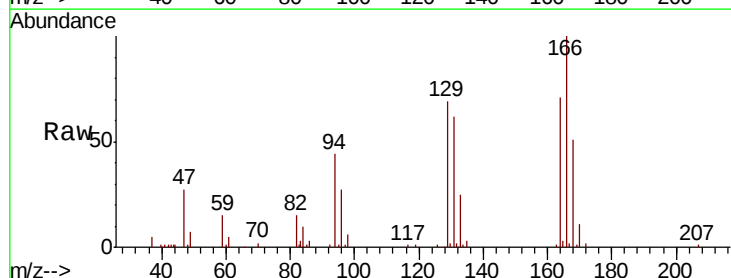


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

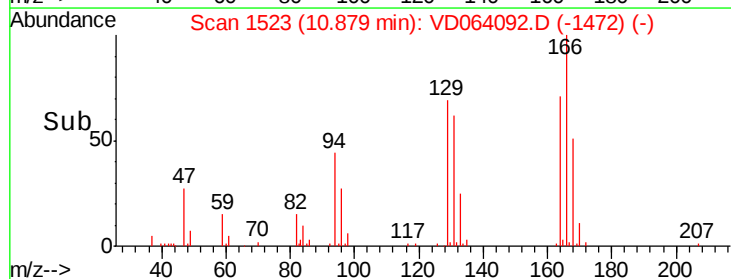
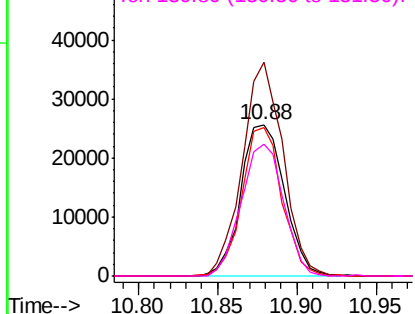


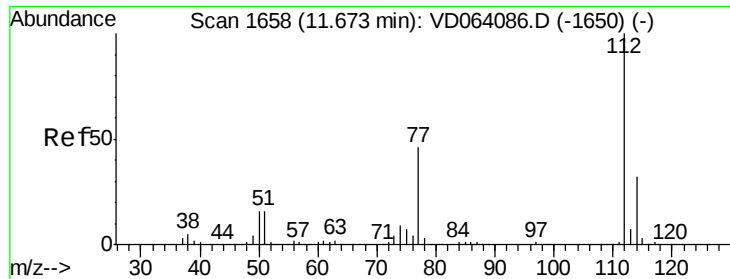
#64
Tetrachloroethene
Concen: 19.835 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Tgt Ion:164 Resp: 49188
Ion Ratio Lower Upper
164 100
166 141.0 102.7 154.1
129 97.7 69.8 104.6
131 86.8 69.4 104.0



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





#65

Chlorobenzene

Concen: 20.772 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

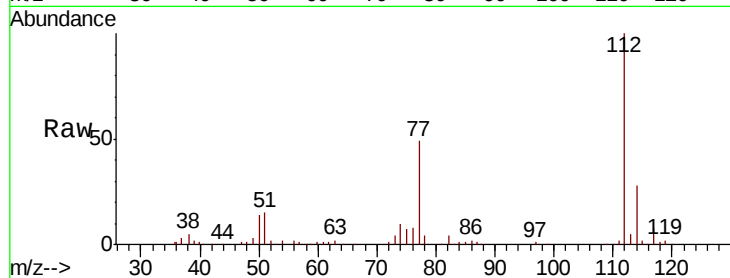
ClientSampleId :

Tot Ion:112 Resp: 148155

Ion Ratio Lower Upper

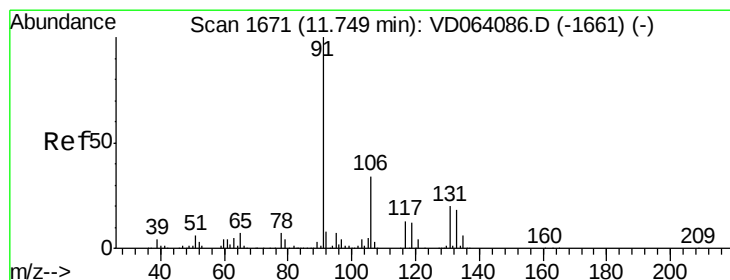
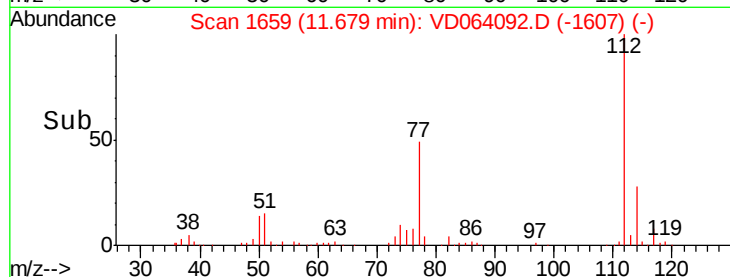
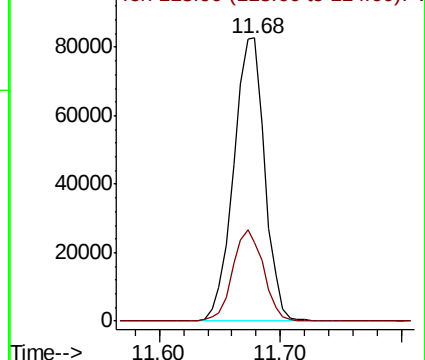
112 100

114 27.5 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: 19.572 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

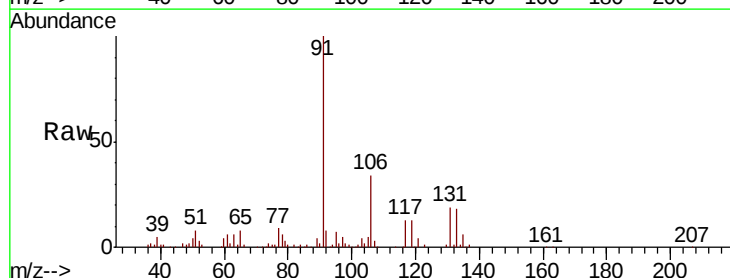
Tgt Ion:131 Resp: 52233

Ion Ratio Lower Upper

131 100

133 93.9 47.6 142.9

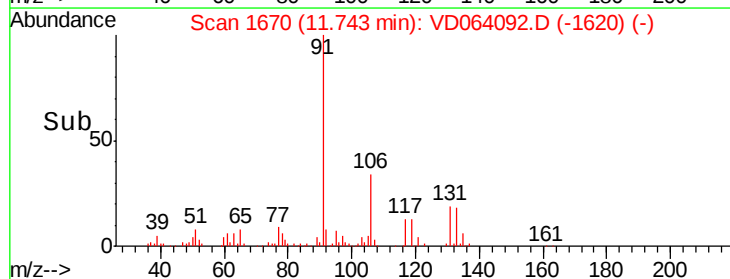
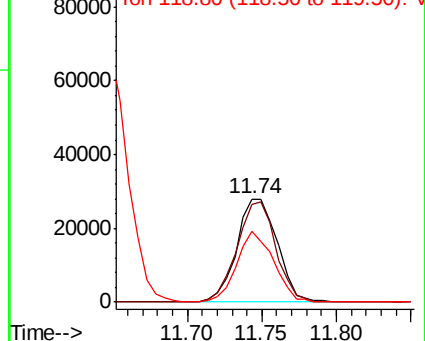
119 63.5 31.4 94.3

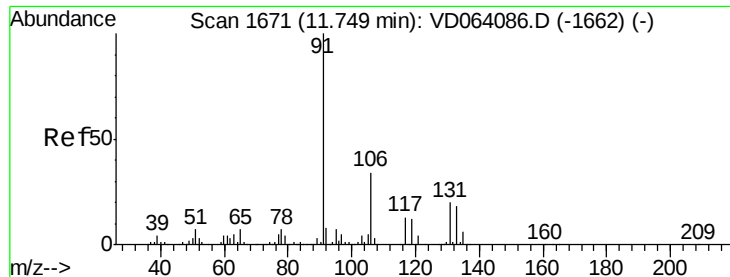


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.568 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

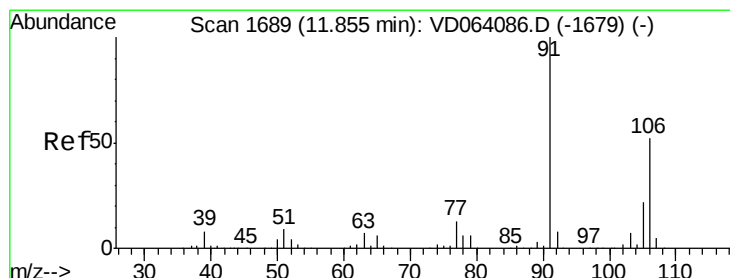
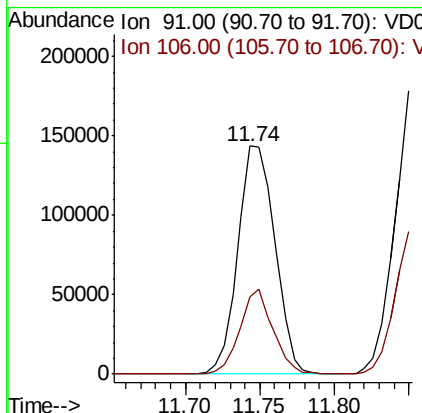
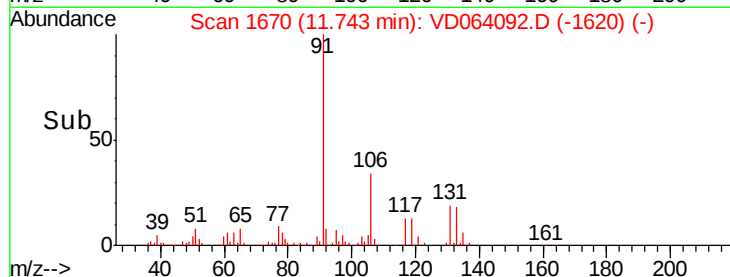
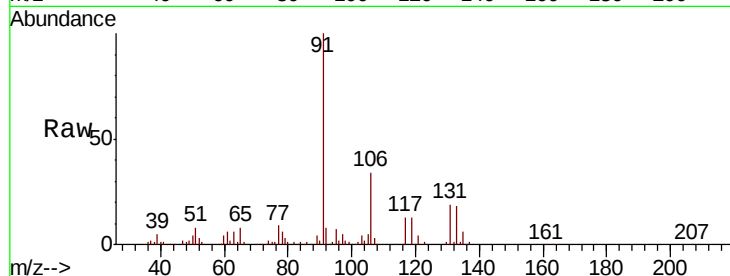
ClientSampleId :

Tot Ion: 91 Resp: 248240

Ion Ratio Lower Upper

91 100

106 33.9 27.0 40.6



#68

m/p-Xylenes

Concen: 39.967 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064092.D

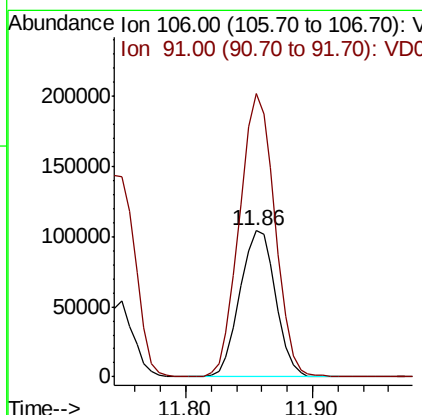
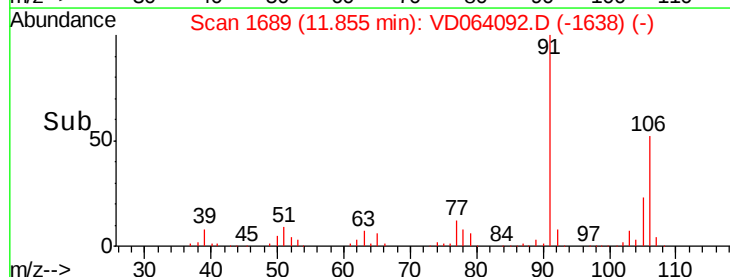
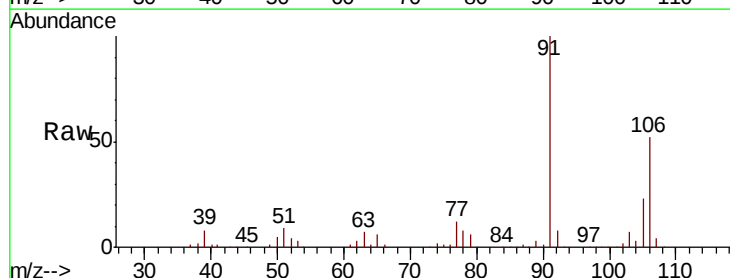
Acq: 29 Oct 2019 16:49

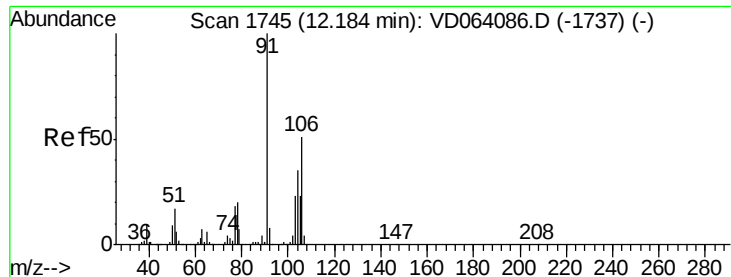
Tgt Ion: 106 Resp: 203937

Ion Ratio Lower Upper

106 100

91 192.3 154.0 231.0

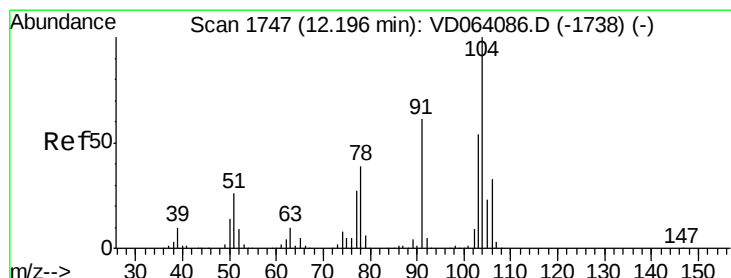
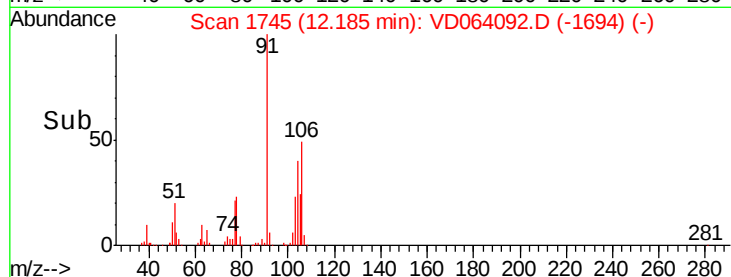
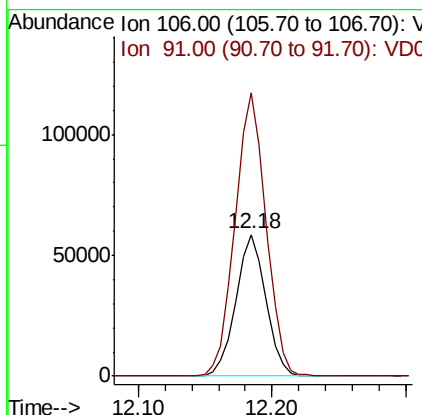
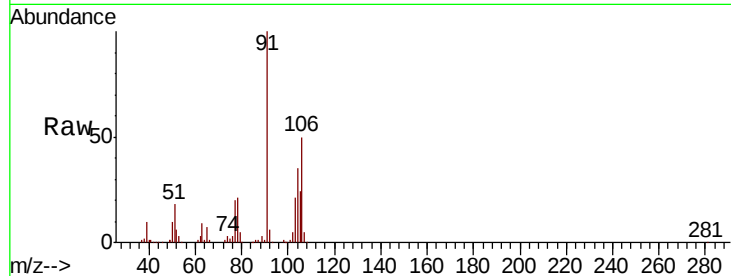




#69
o-Xylene
Concen: 19.541 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

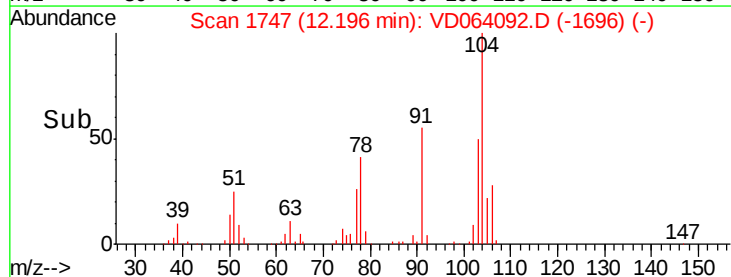
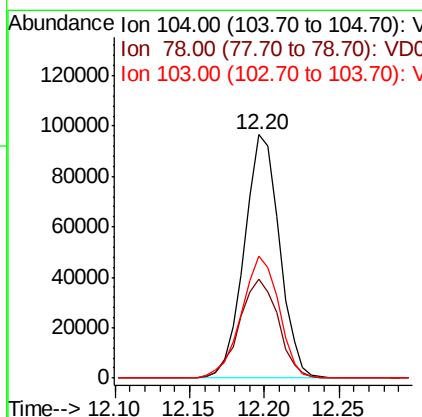
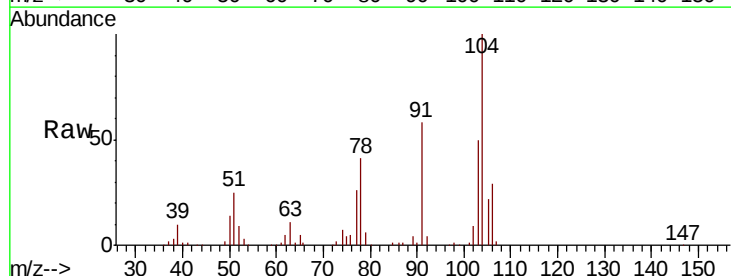
Instrument :
MSVOA_D
ClientSampleId :

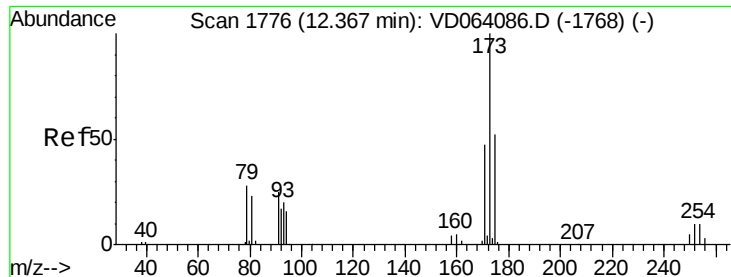
Tot Ion:106 Resp: 91001
Ion Ratio Lower Upper
106 100
91 207.5 100.6 301.9



#70
Styrene
Concen: 19.650 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Tgt Ion:104 Resp: 157816
Ion Ratio Lower Upper
104 100
78 44.9 34.6 51.8
103 53.6 44.2 66.2

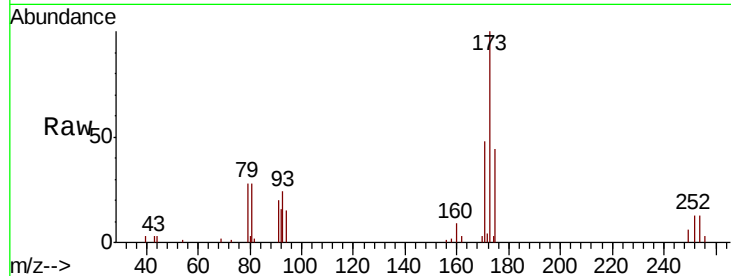




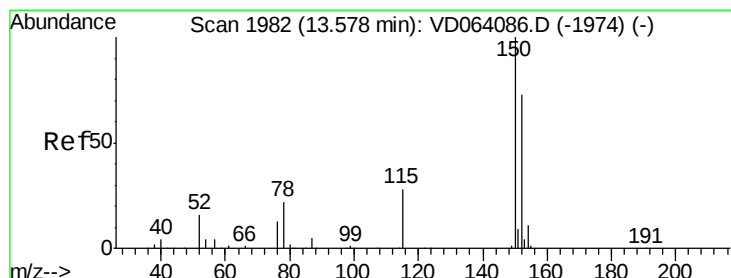
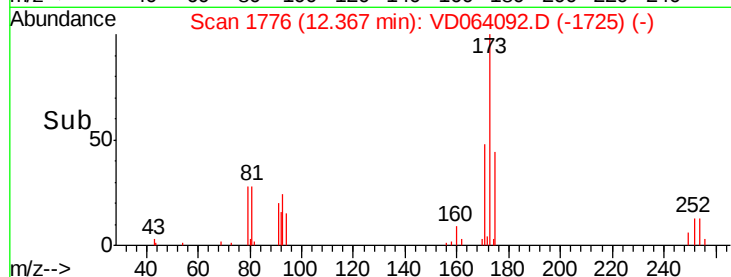
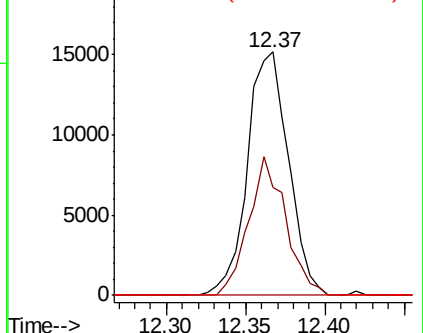
#71
Bromoform
Concen: 19.159 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 27308
Ion Ratio Lower Upper
173 100
175 51.2 24.3 72.9
254 0.0 0.0 0.0

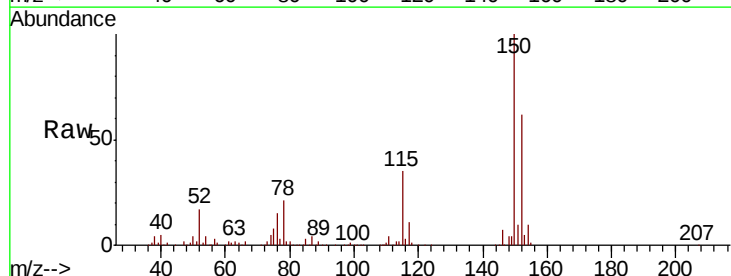


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

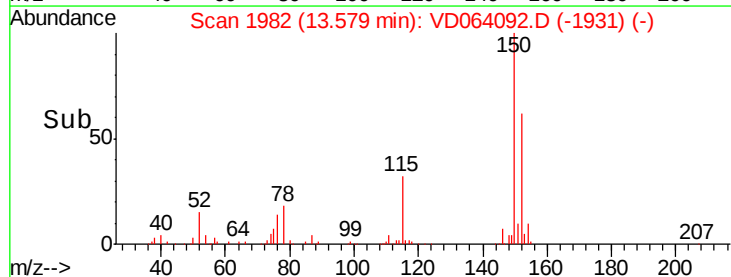
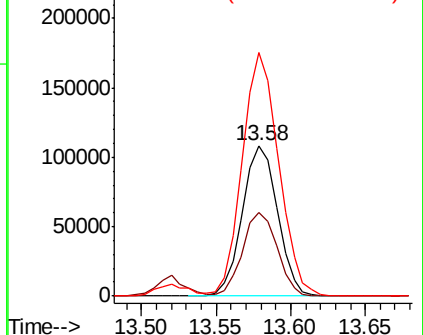


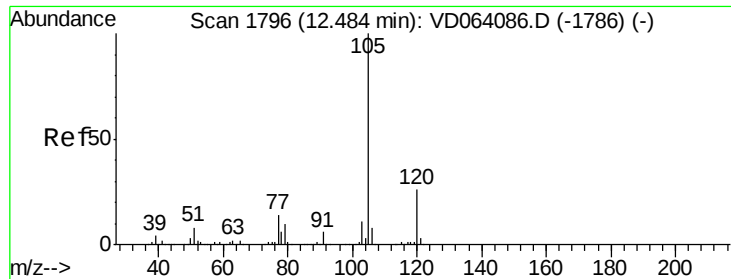
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Tgt Ion:152 Resp: 177032
Ion Ratio Lower Upper
152 100
115 54.8 26.2 78.6
150 167.0 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: 21.077 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

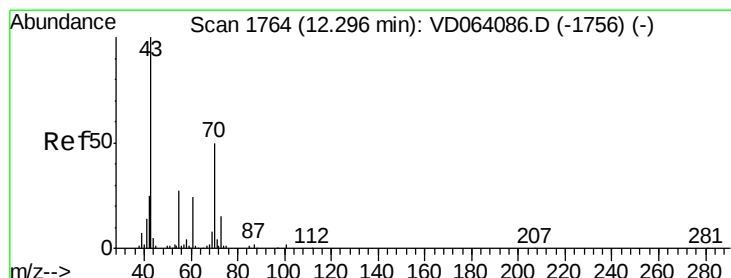
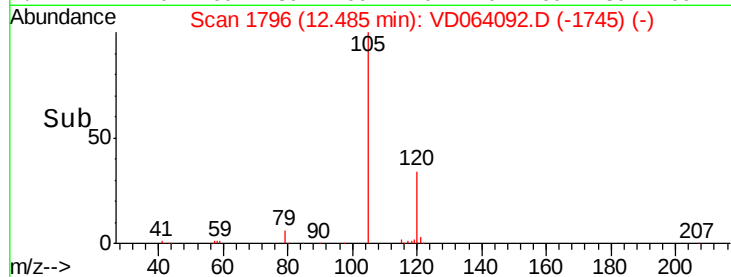
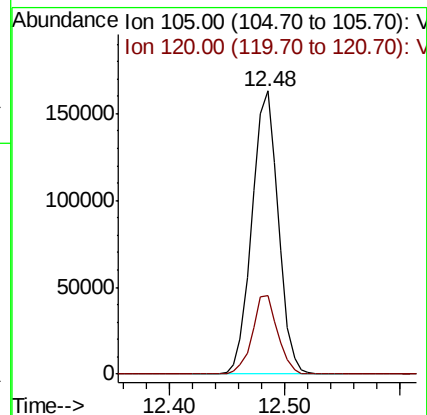
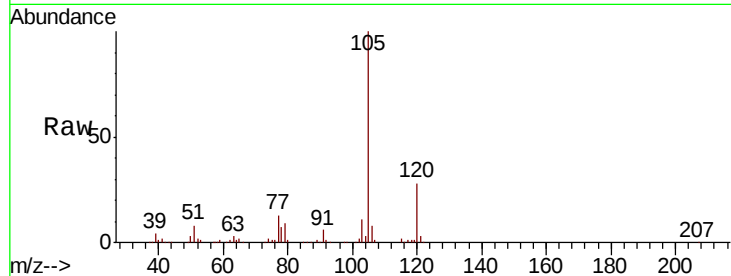
ClientSampleId :

Tot Ion:105 Resp: 259282

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



#74

N-ethyl acetate

Concen: 21.478 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Tgt Ion: 43 Resp: 43896

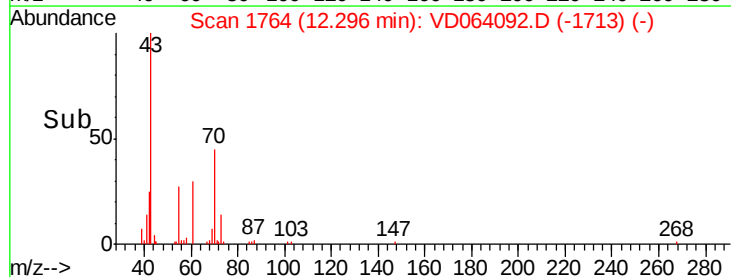
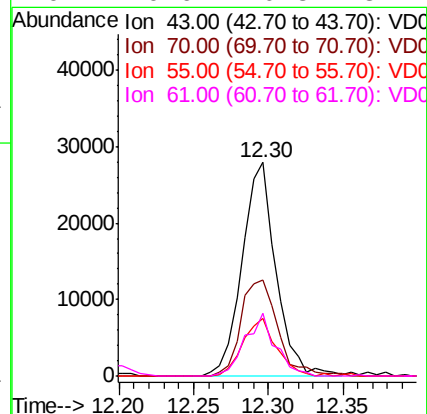
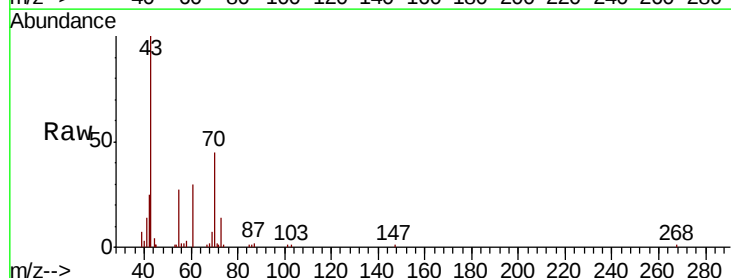
Ion Ratio Lower Upper

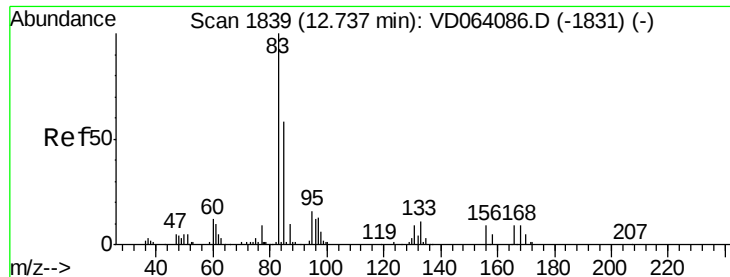
43 100

70 49.0 38.6 58.0

55 26.6 20.4 30.6

61 26.6 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.462 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

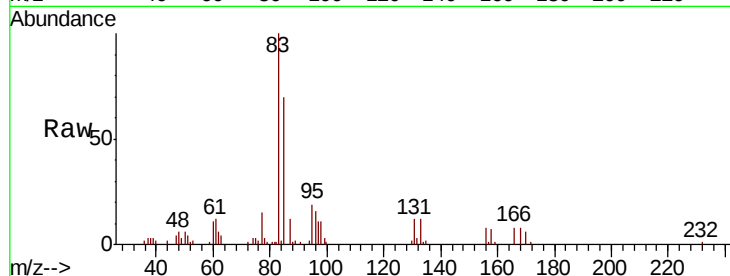
Tot Ion: 83 Resp: 39677

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.7	17.0
85	63.9	32.1	96.5

83 100

131 10.3 5.7 17.0

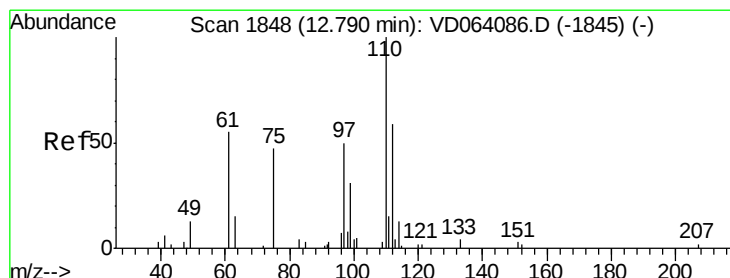
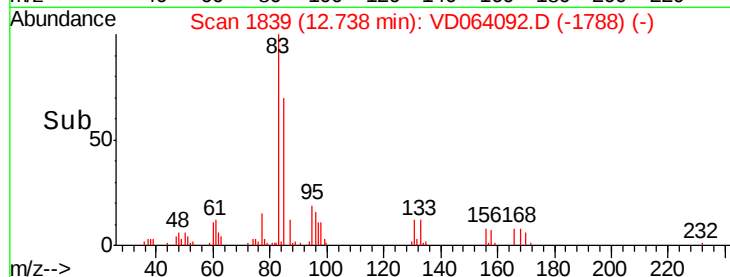
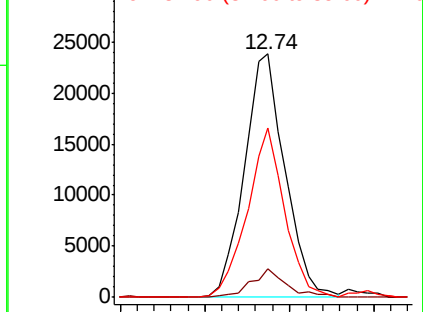
85 63.9 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 44.126 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064092.D

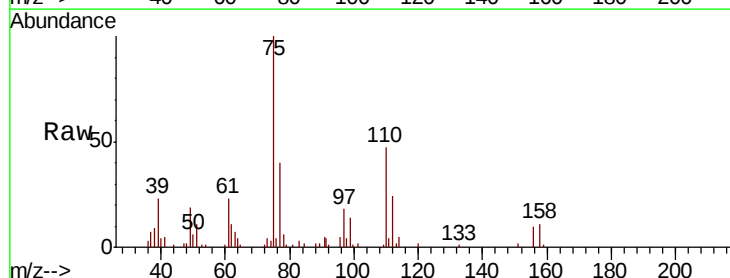
Acq: 29 Oct 2019 16:49

Tgt Ion: 75 Resp: 52490

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

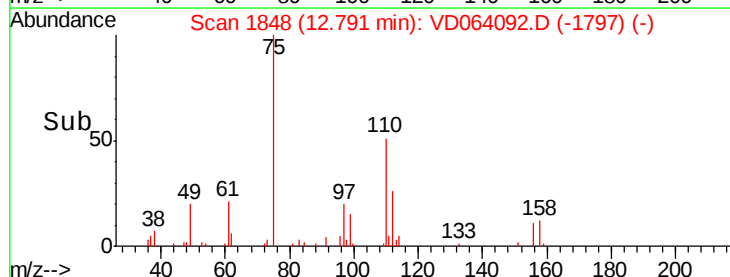
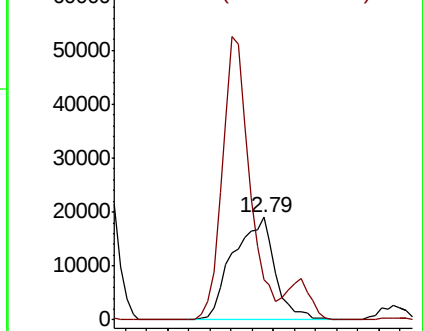
75 100

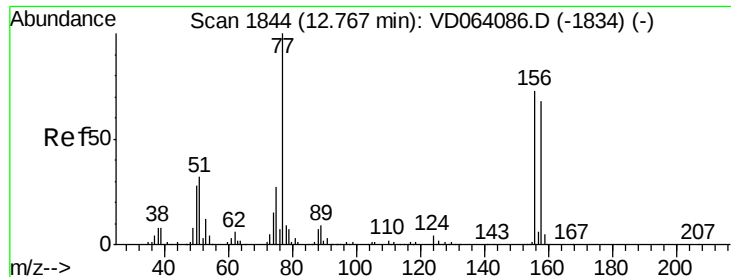
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.482 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

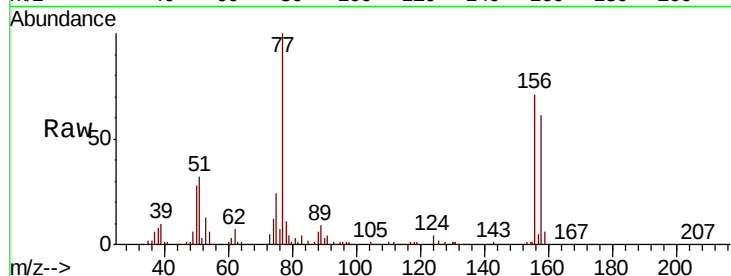
Tot Ion:156 Resp: 60835

Ion Ratio Lower Upper

156 100

77 154.9 76.0 228.0

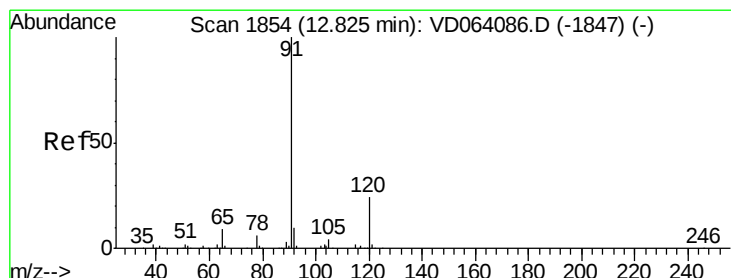
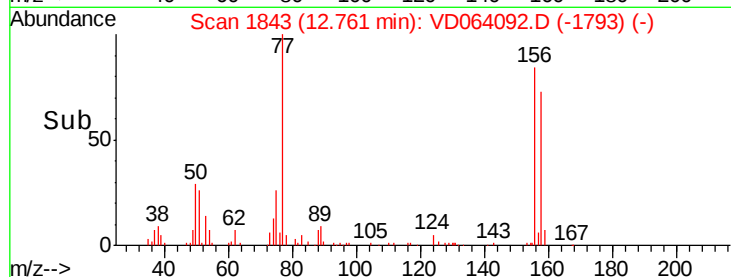
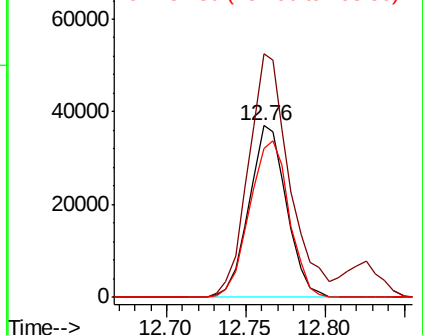
158 96.4 47.6 142.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.942 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064092.D

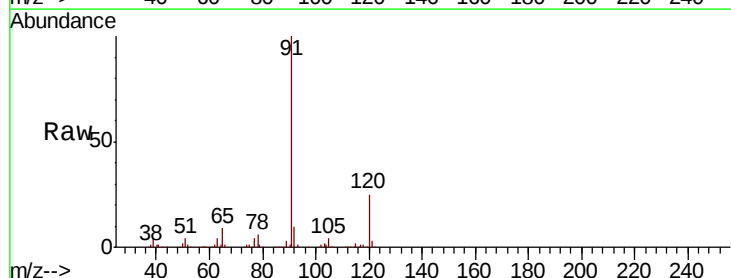
Acq: 29 Oct 2019 16:49

Tgt Ion: 91 Resp: 301919

Ion Ratio Lower Upper

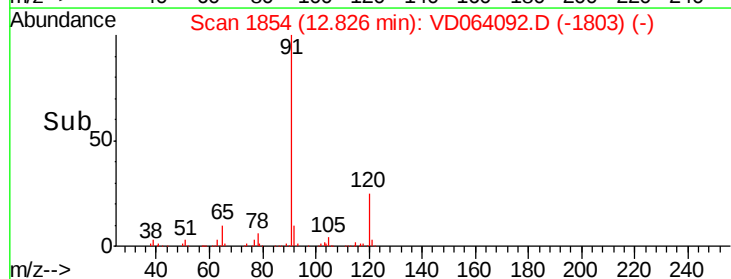
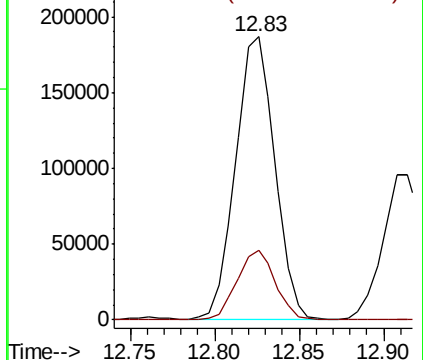
91 100

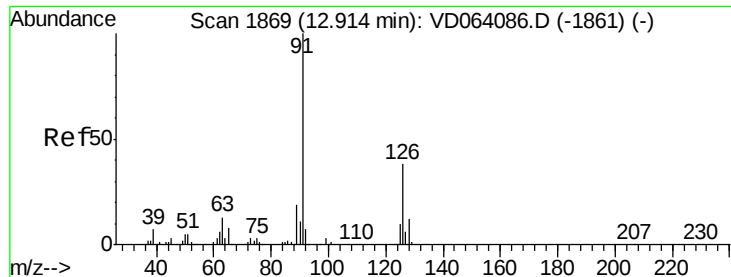
120 23.9 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

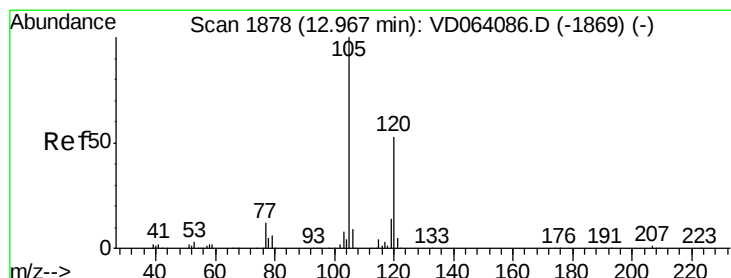
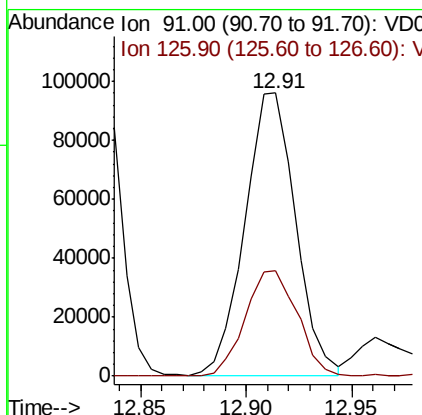
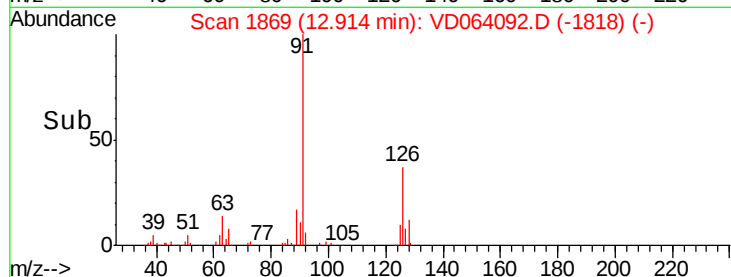
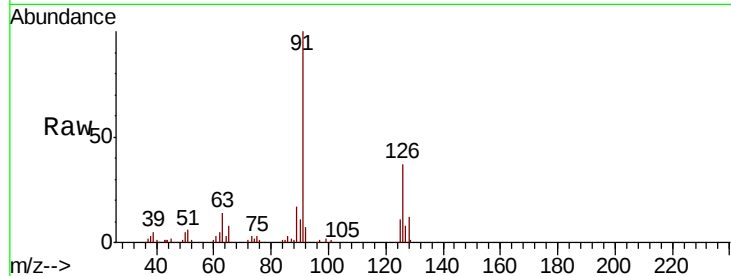




#79
2-Chlorotoluene
Concen: 20.772 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

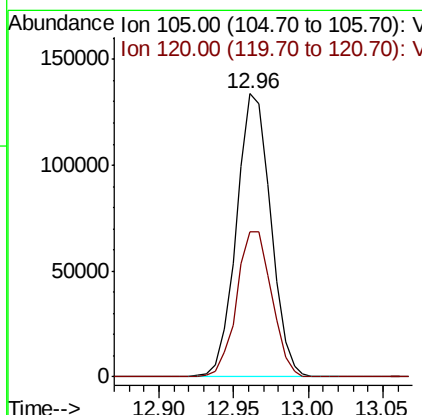
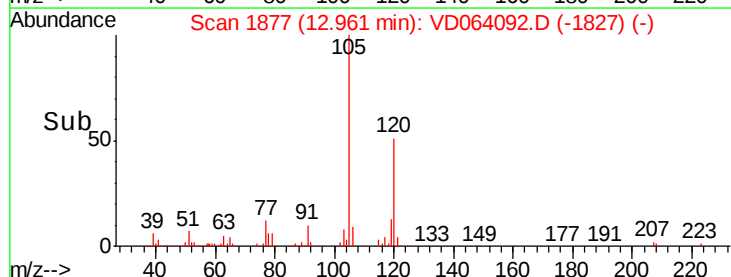
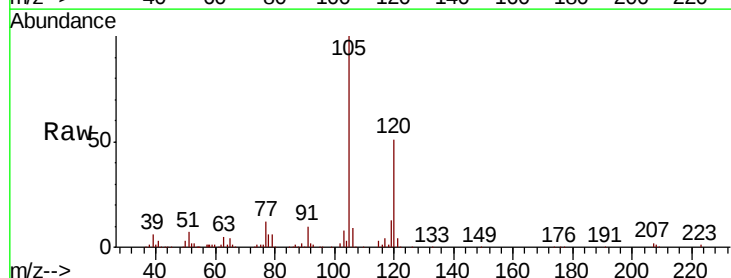
Instrument :
MSVOA_D
ClientSampled :

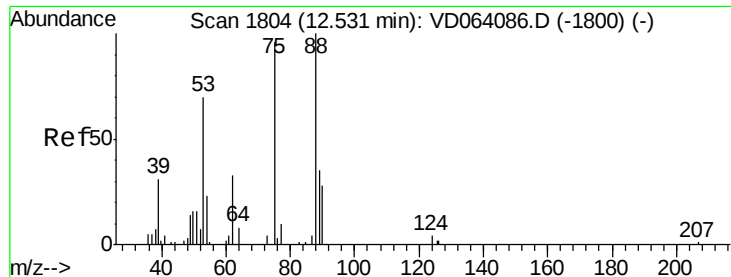
Tot Ion: 91 Resp: 160529
Ion Ratio Lower Upper
91 100
126 38.2 19.1 57.1



#80
1,3,5-Trimethylbenzene
Concen: 20.779 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.01 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Tgt Ion:105 Resp: 213933
Ion Ratio Lower Upper
105 100
120 52.3 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 22.006 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

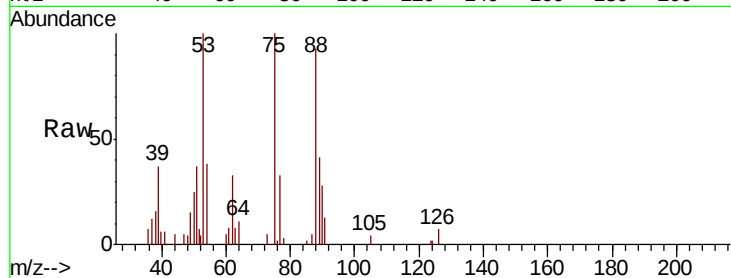
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 12818

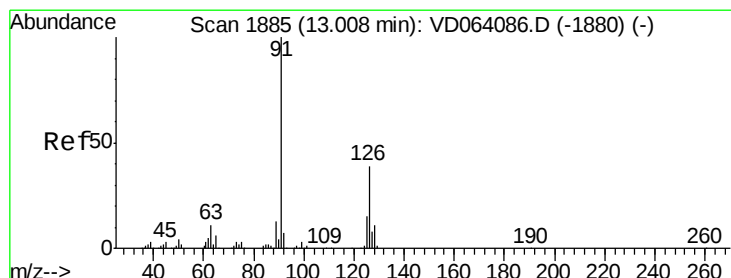
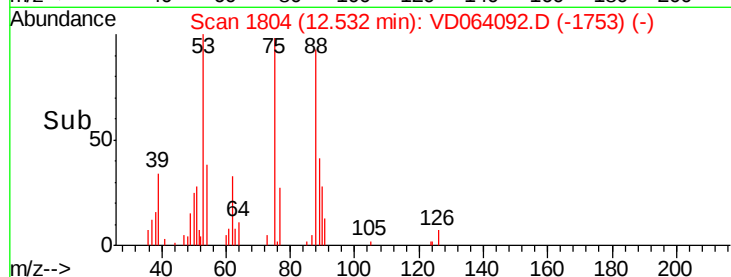
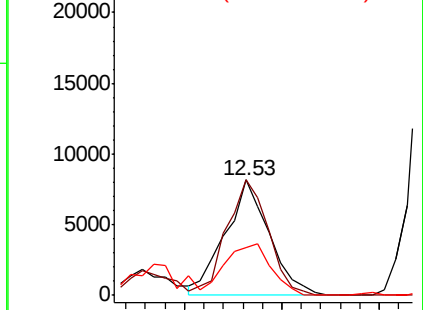
Ion	Ratio	Lower	Upper
75	100		
53	94.0	68.6	103.0
89	46.7	36.9	55.3



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: 20.412 ug/l

RT: 13.01 min Scan# 1885

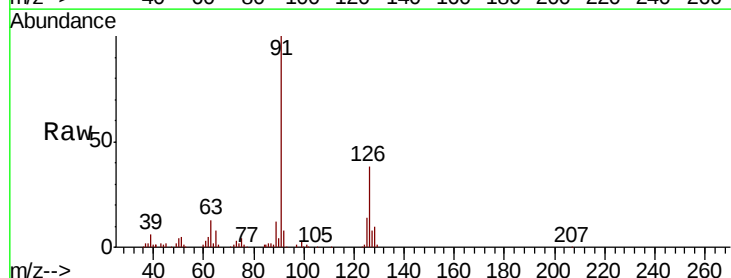
Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

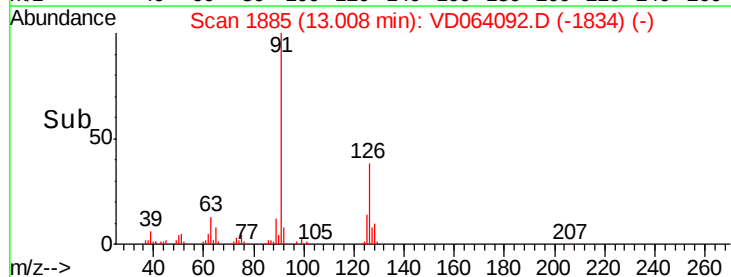
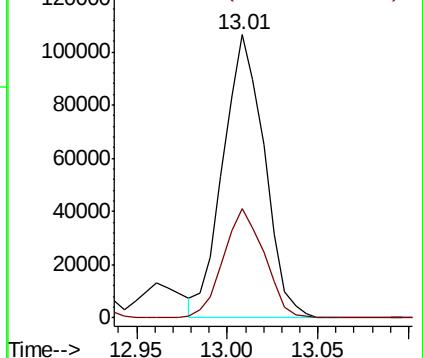
Tgt Ion: 91 Resp: 168552

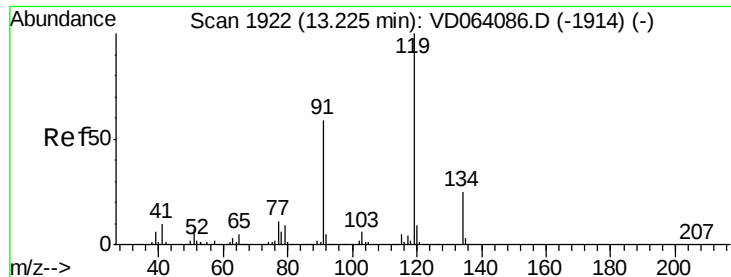
Ion	Ratio	Lower	Upper
91	100		
126	38.6	18.9	56.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): VDC

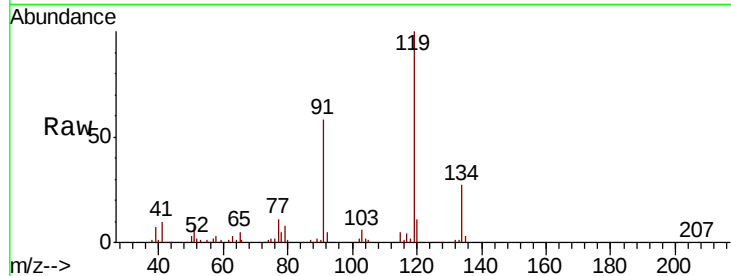




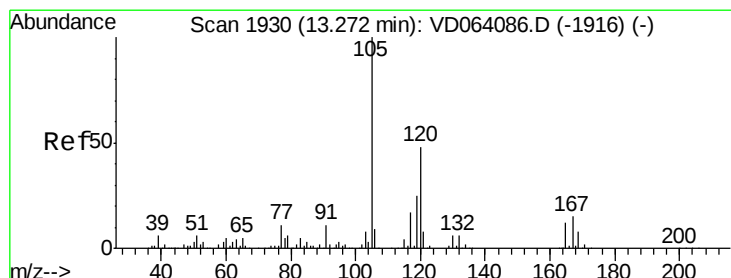
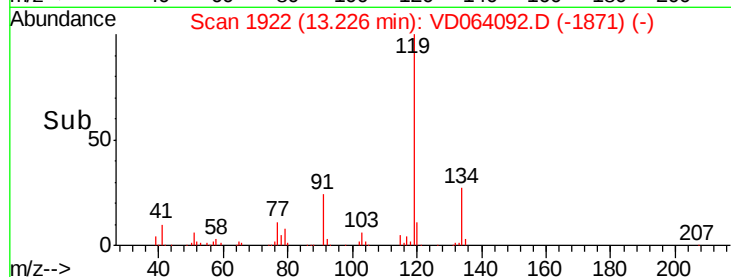
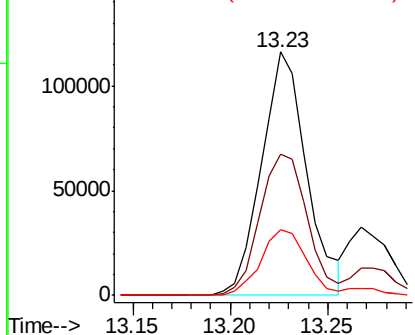
#83
tert-Butylbenzene
Concen: 20.109 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 185958
Ion Ratio Lower Upper
119 100
91 60.9 28.3 85.0
134 27.3 12.9 38.6

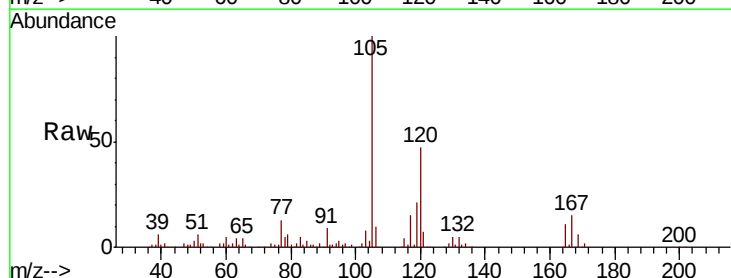


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

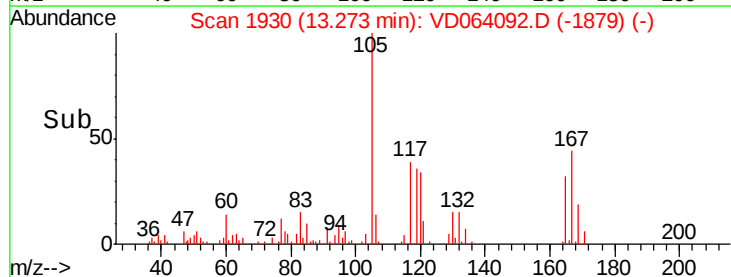
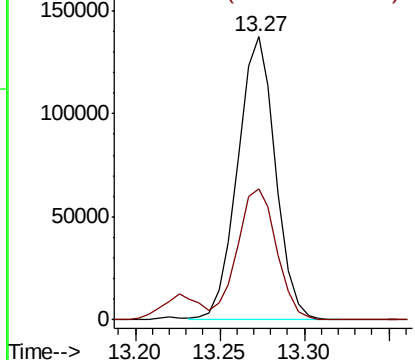


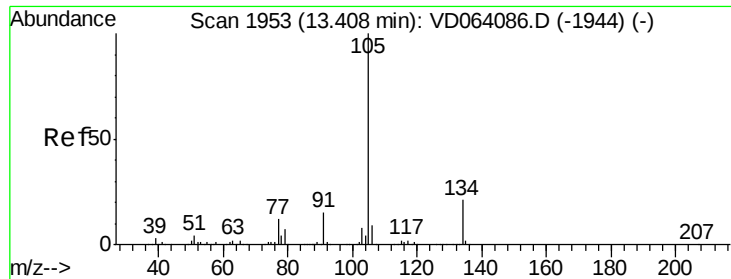
#84
1,2,4-Trimethylbenzene
Concen: 20.603 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Tgt Ion:105 Resp: 213096
Ion Ratio Lower Upper
105 100
120 48.2 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: 20.627 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

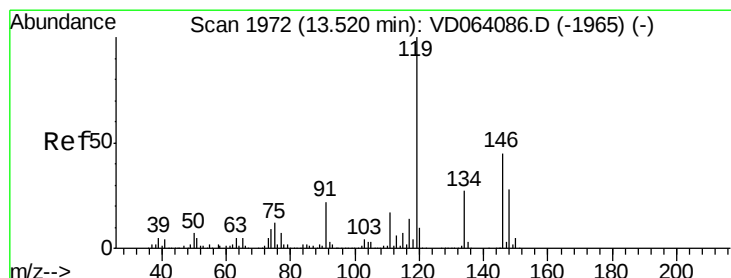
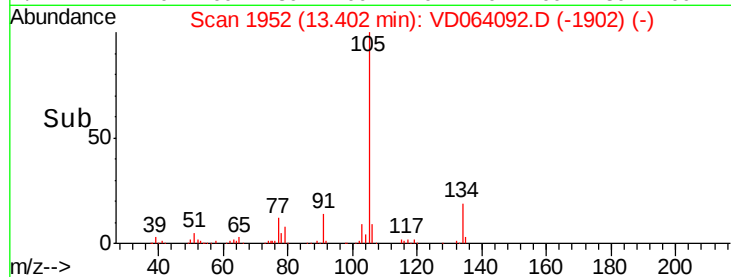
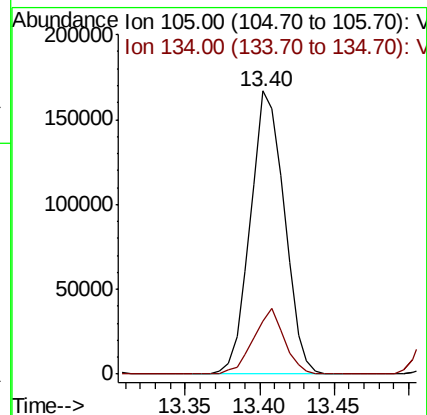
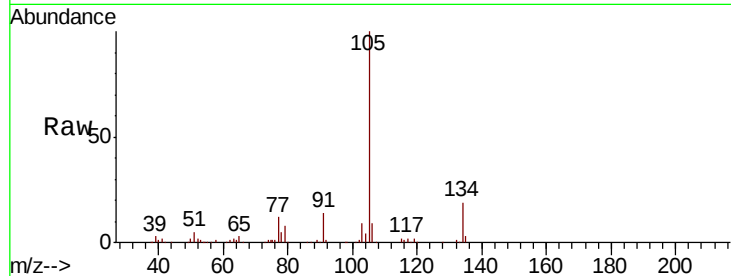
ClientSampleId :

Tot Ion:105 Resp: 261950

Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.2



#86

p-Isopropyltoluene

Concen: 20.978 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

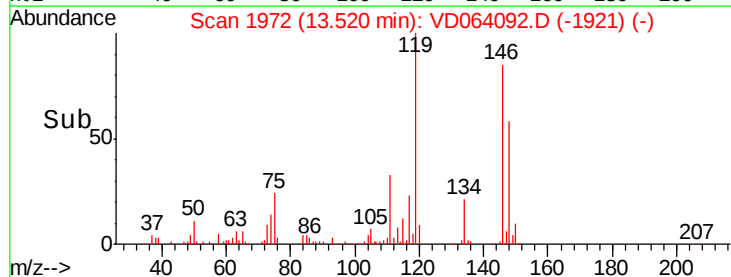
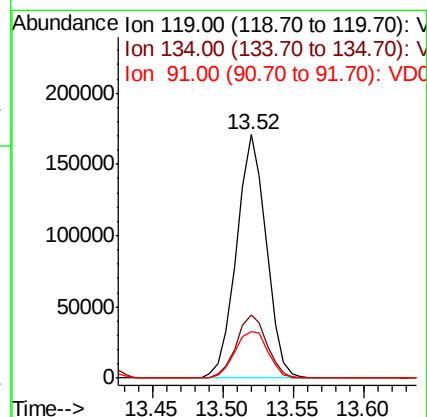
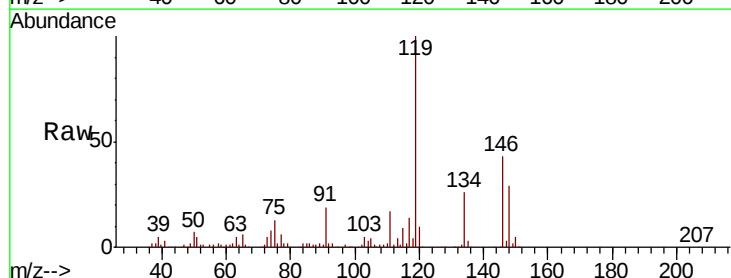
Tgt Ion:119 Resp: 250307

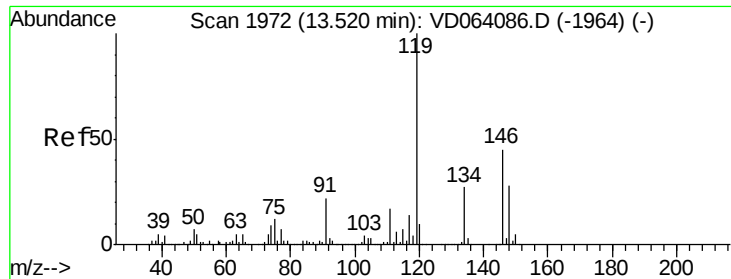
Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.8

91 21.2 10.9 32.6

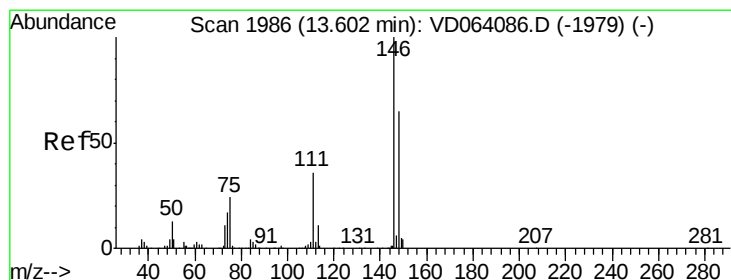
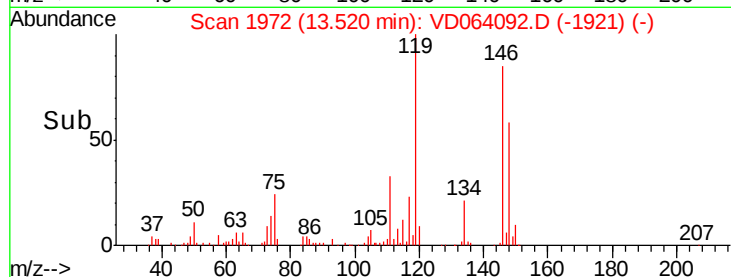
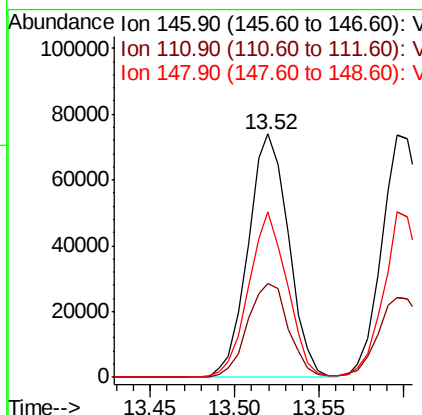
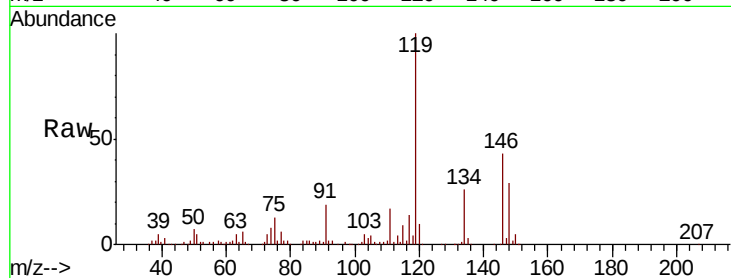




#87
 1,3-Dichlorobenzene
 Concen: 20.717 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

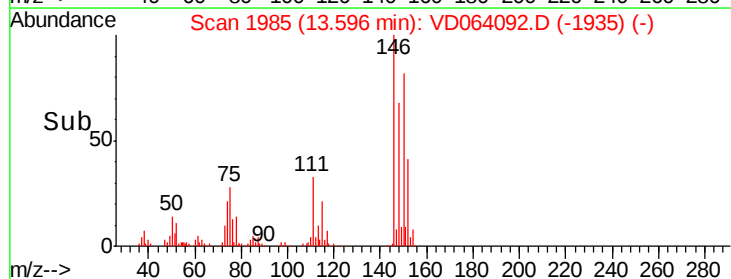
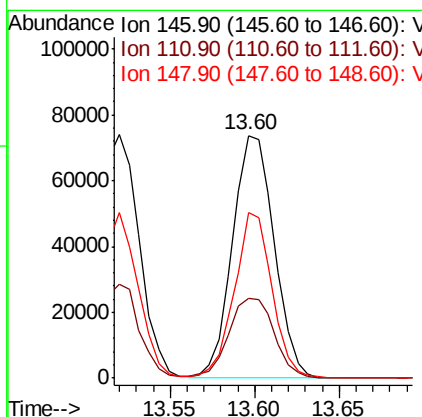
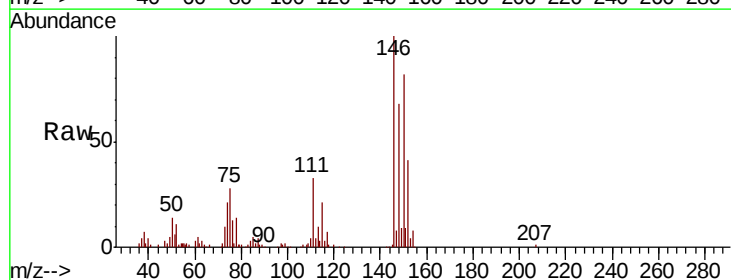
Instrument :
 MSVOA_D
 ClientSampled :

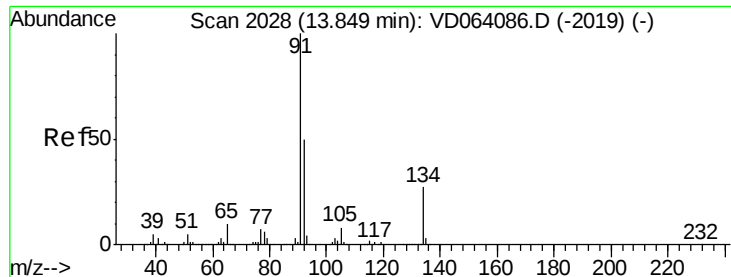
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.9	56.9
148	64.8	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 21.618 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.4	55.4
148	61.9	32.4	97.0

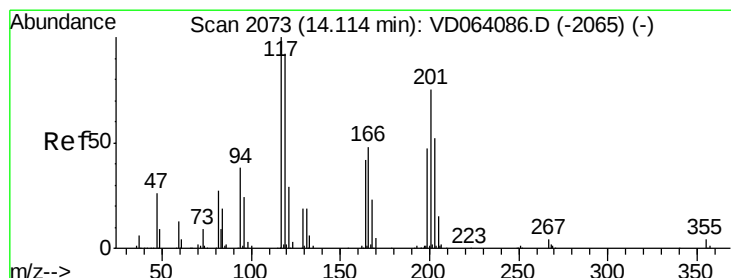
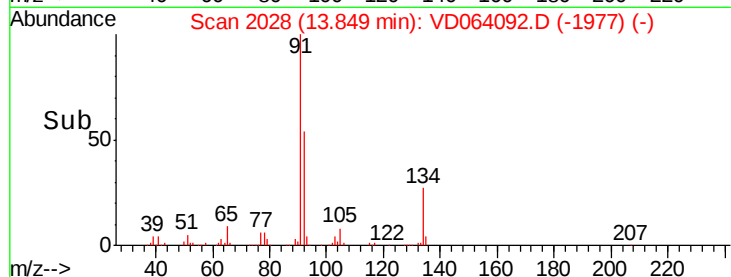
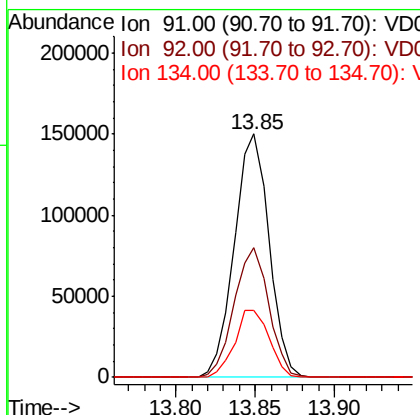
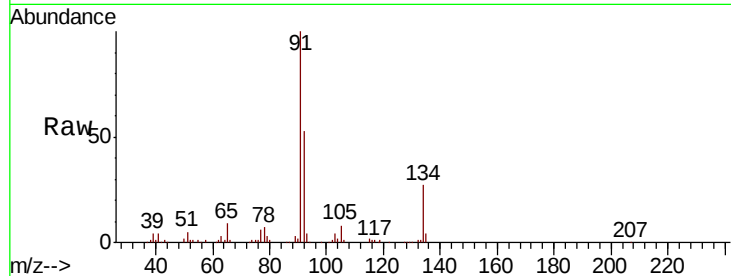




#89
n-Butylbenzene
Concen: 20.710 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

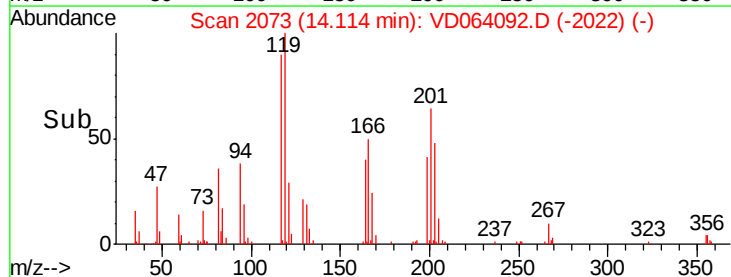
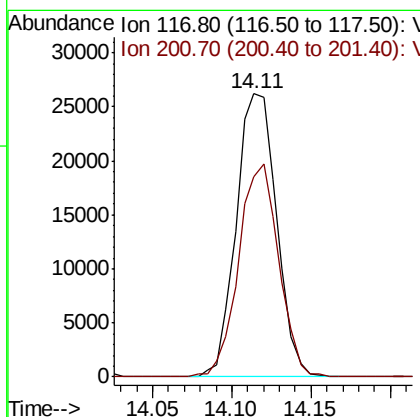
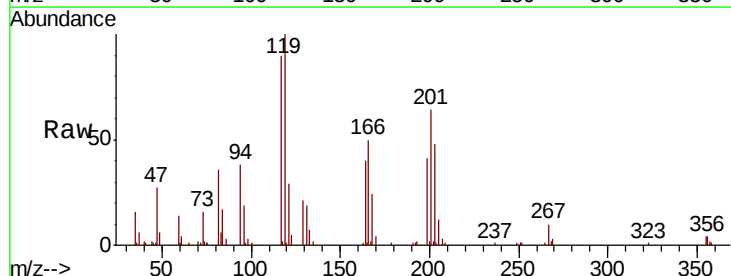
Instrument :
MSVOA_D
ClientSampled :

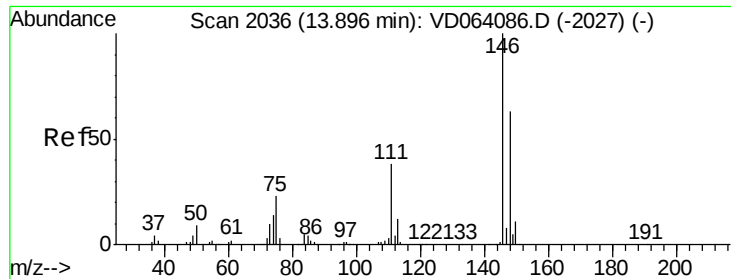
Tot Ion: 91 Resp: 227921
Ion Ratio Lower Upper
91 100
92 53.2 25.6 76.6
134 27.7 14.0 42.0



#90
Hexachloroethane
Concen: 20.727 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Tgt Ion: 117 Resp: 46302
Ion Ratio Lower Upper
117 100
201 74.9 38.4 115.2

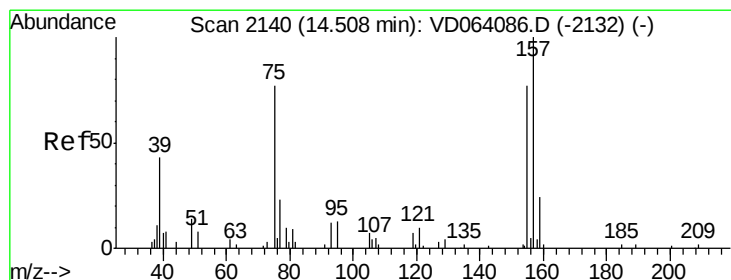
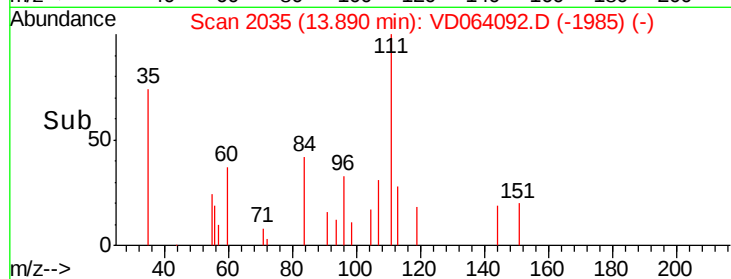
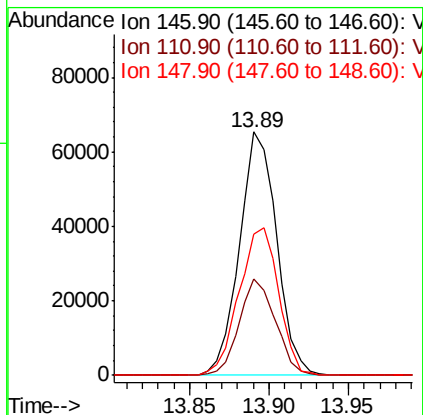
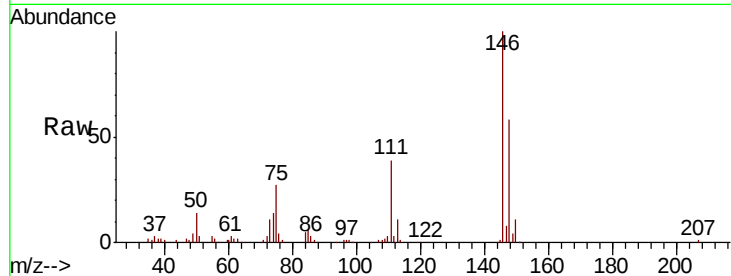




#91
 1,2-Dichlorobenzene
 Concen: 20.814 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

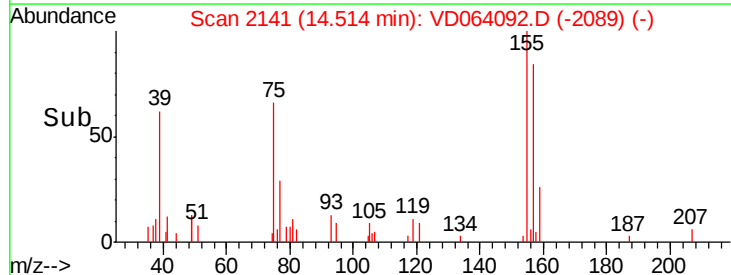
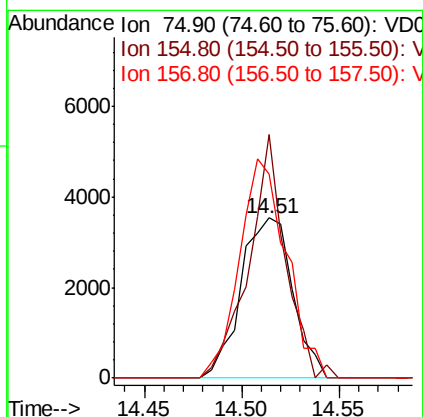
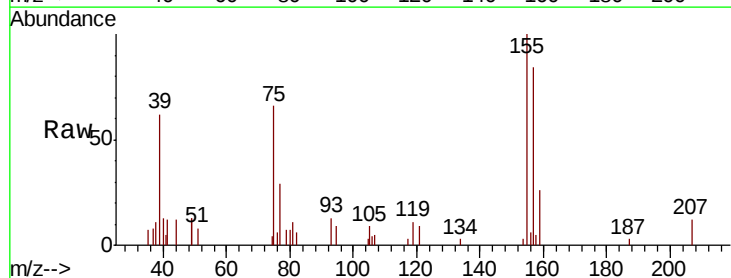
Instrument :
 MSVOA_D
 ClientSampleId :

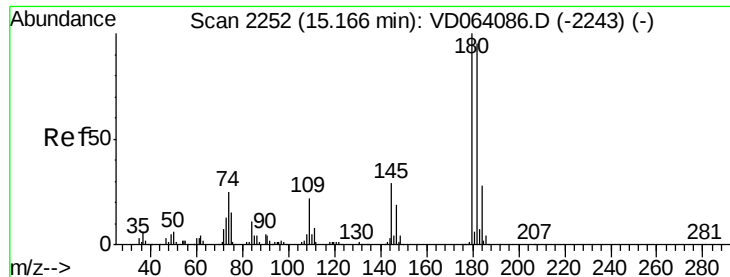
Tot Ion:146 Resp: 106622
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.1 57.1
 148 64.3 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.875 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Tgt Ion: 75 Resp: 6478
 Ion Ratio Lower Upper
 75 100
 155 107.8 56.3 168.9
 157 124.3 72.2 216.6

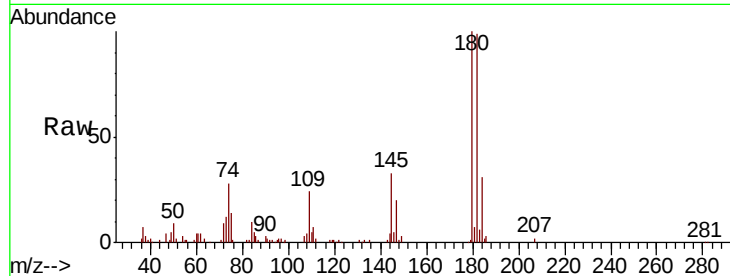




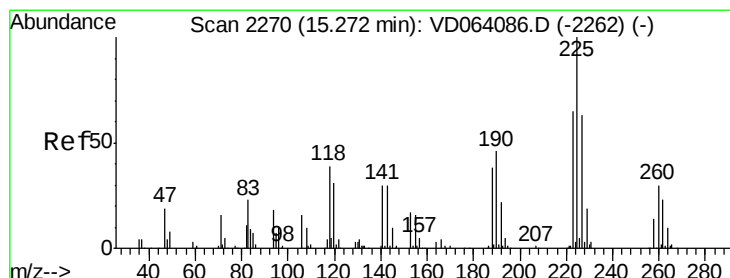
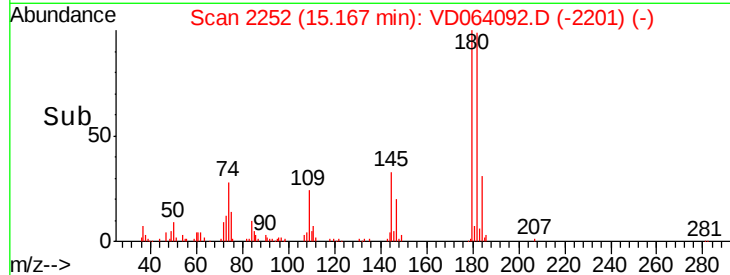
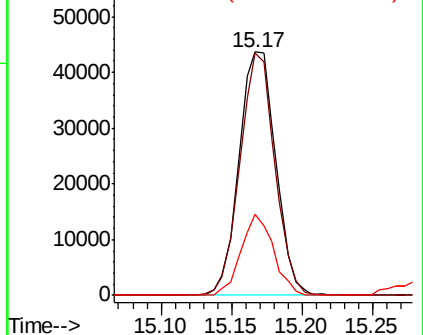
#93
 1,2,4-Trichlorobenzene
 Concen: 21.585 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 79480
 Ion Ratio Lower Upper
 180 100
 182 94.3 46.9 140.7
 145 29.3 14.2 42.6

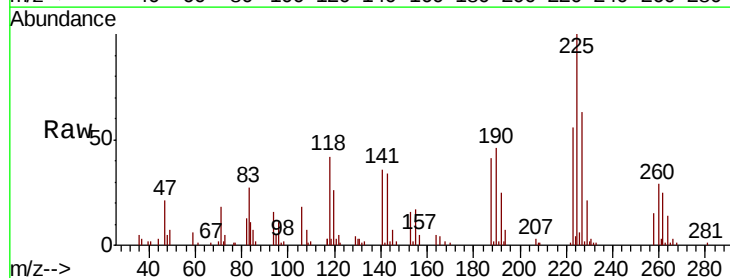


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

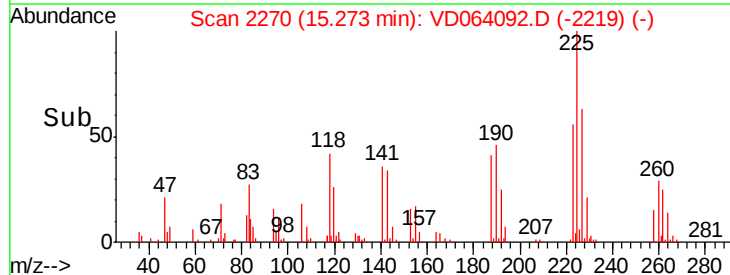
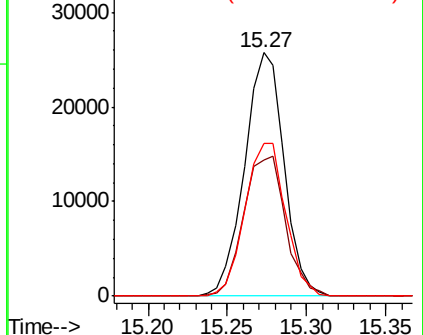


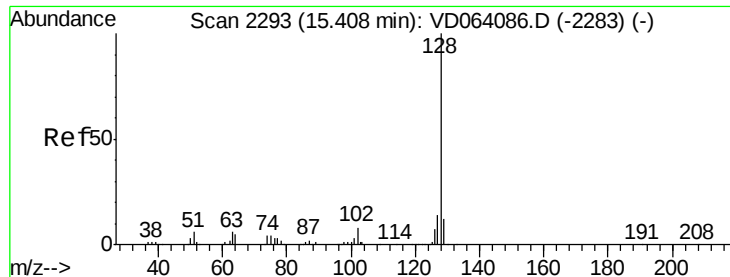
#94
 Hexachlorobutadiene
 Concen: 20.677 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Tgt Ion:225 Resp: 44499
 Ion Ratio Lower Upper
 225 100
 223 61.2 30.8 92.3
 227 64.7 31.7 95.1



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





#95

Naphthalene

Concen: 22.731 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

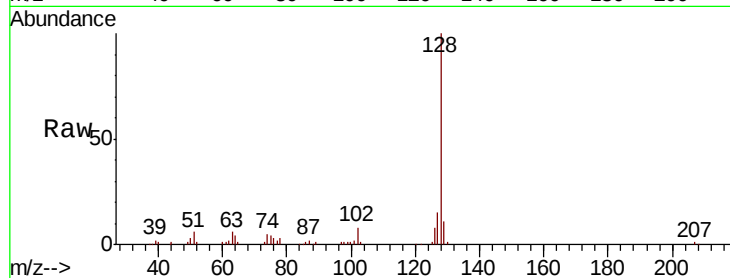
Instrument :

MSVOA_D

ClientSampled :

Tot Ion:128 Resp: 136503

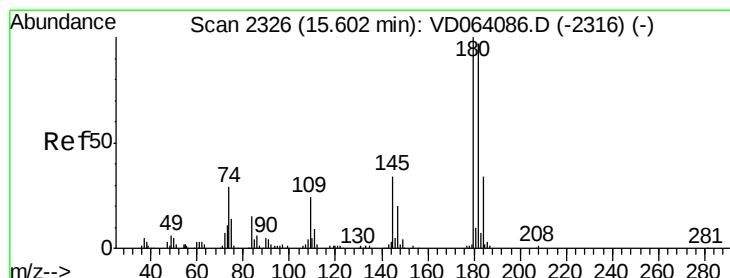
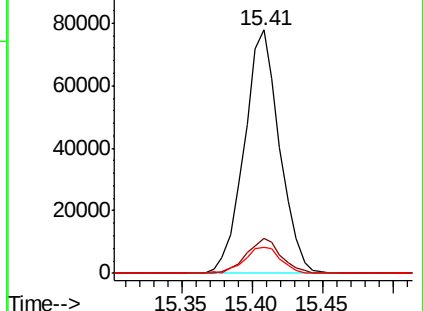
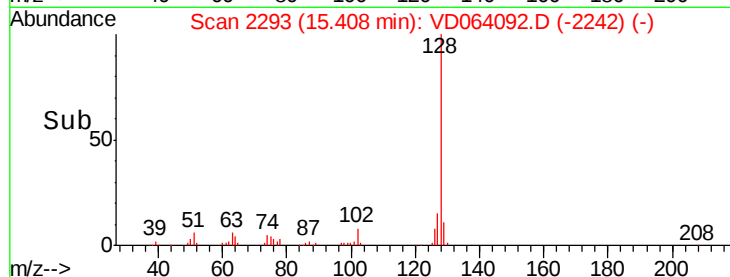
Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.9	16.3
129	11.1	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.332 ug/l

RT: 15.60 min Scan# 2326

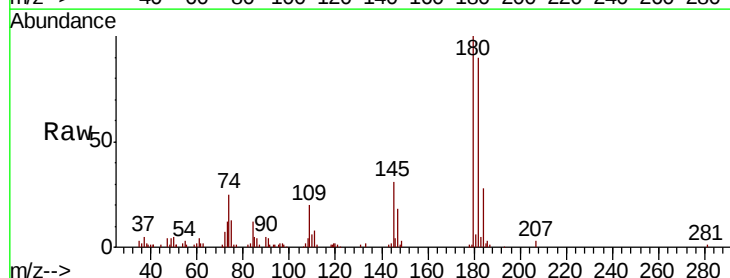
Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Tgt Ion:180 Resp: 71228

Ion	Ratio	Lower	Upper
180	100		
182	90.8	48.4	145.0
145	30.0	16.4	49.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

