

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100118\
 Data File : VW005749.D
 Acq On : 01 Oct 2018 21:12
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/105ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 02 05:46:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 02 05:44:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	235269	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	224709	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	120768	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	64451	21.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.96%
7) Chloroethane-d5	2.89	69	52245	22.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.32%
10) 1,1-Dichloroethene-d2	4.02	63	148775	22.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.88%
20) 2-Butanone-d5	7.09	46	62975	65.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.82%
24) Chloroform-d	7.65	84	155299	25.69	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.76%
26) 1,2-Dichloroethane-d4	8.31	65	96688	26.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.64%
29) Benzene-d6	8.28	84	289116	25.99	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.96%
33) 1,2-Dichloropropane-d6	9.28	67	82418	25.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.52%
37) Toluene-d8	10.33	98	274175	24.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.88%
38) trans-1,3-Dichloropropene-	10.58	79	39826	23.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.36%
39) 2-Hexanone-d5	10.93	63	49946	66.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	132.68%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	91471	29.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.16%
61) 1,2-Dichlorobenzene-d4	13.86	152	108378	25.36	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.44%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	61699	22.365	ug/L	96
3) Chloromethane	2.21	50	47625	18.532	ug/L	98
5) Vinyl chloride	2.37	62	83568	22.553	ug/L	96
6) Bromomethane	2.78	94	48540	21.772	ug/L	100
8) Chloroethane	2.93	64	47927	23.263	ug/L	94
9) Trichlorofluoromethane	3.26	101	59945	21.172	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	81063	25.345	ug/L	97
12) 1,1-Dichloroethene	4.04	96	71597	23.438	ug/L	98
13) Acetone	4.12	43	53679	53.536	ug/L	70
14) Carbon disulfide	4.38	76	213234	22.263	ug/L	100
15) Methyl Acetate	4.67	43	51892	29.162	ug/L	98
16) Methylene chloride	4.92	84	83976	21.648	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	110140	22.661	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	73632	23.437	ug/L	95
19) 1,1-Dichloroethane	6.21	63	142792	24.563	ug/L	100
21) 2-Butanone	7.18	43	69998	58.293	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	82542	24.171	ug/L	100

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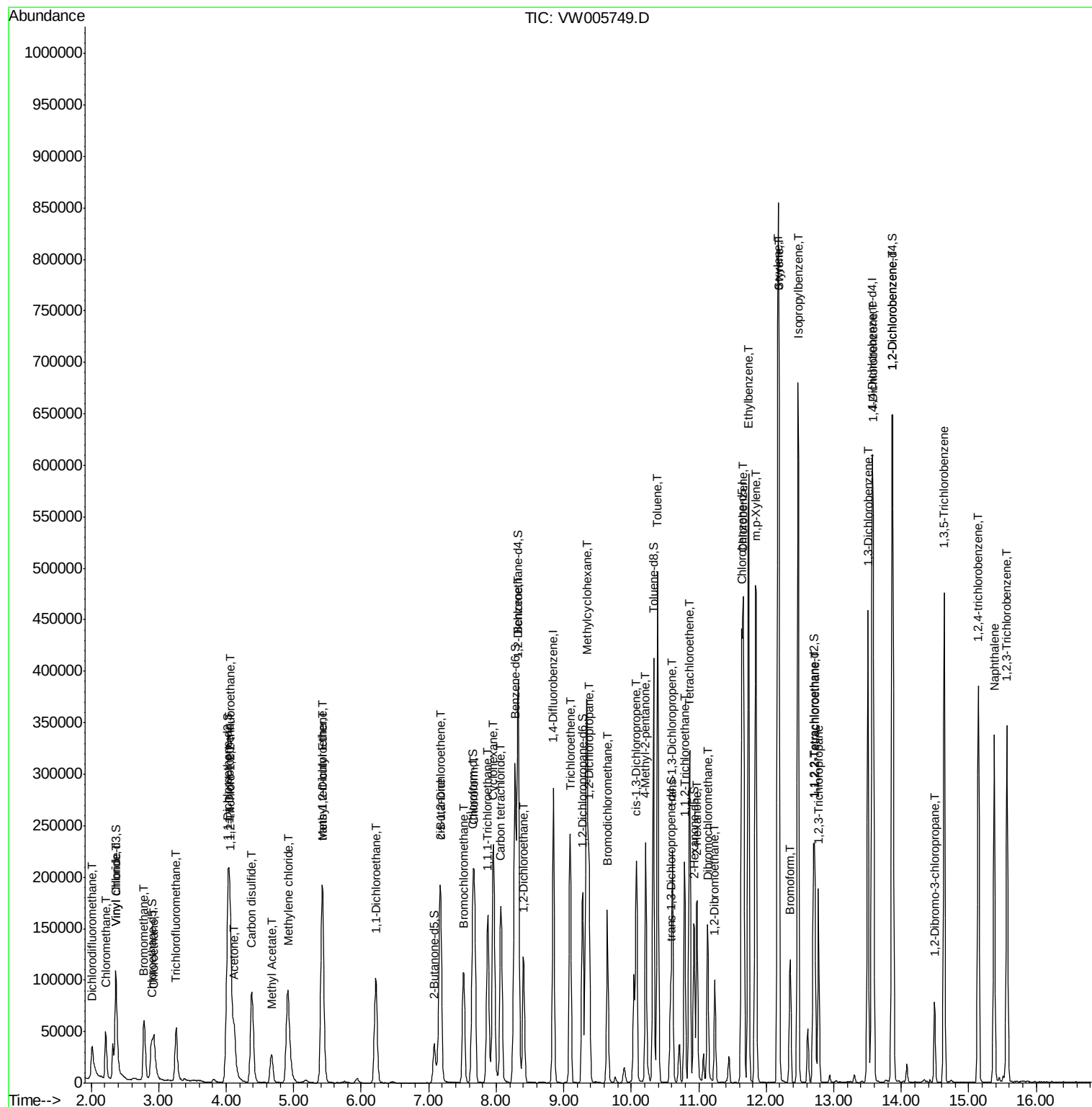
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	39354	24.830	ug/L	97
25) Chloroform	7.68	83	153501	24.679	ug/L	100
27) 1,2-Dichloroethane	8.40	62	114850	25.079	ug/L	99
30) Cyclohexane	7.96	56	123535	24.256	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	137984	25.075	ug/L	99
32) Carbon tetrachloride	8.07	117	134595	25.117	ug/L	99
34) Benzene	8.33	78	321857	25.349	ug/L	100
35) Trichloroethene	9.09	95	84605	24.908	ug/L	99
36) Methylcyclohexane	9.34	83	145043	24.556	ug/L	98
40) 1,2-Dichloropropane	9.37	63	81131	26.220	ug/L	100
41) Bromodichloromethane	9.65	83	110266	25.346	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	121515	23.780	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	143493	56.826	ug/L	100
44) Toluene	10.39	91	352714	24.859	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	117255	24.643	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	65764	25.470	ug/L	98
47) Tetrachloroethene	10.87	164	74385	24.856	ug/L	96
49) 2-Hexanone	10.97	43	110456	62.317	ug/L	97
50) Dibromochloromethane	11.13	129	82952	25.617	ug/L	95
51) 1,2-Dibromoethane	11.24	107	65028	26.050	ug/L	94
52) Chlorobenzene	11.66	112	227043	24.324	ug/L	97
53) Ethylbenzene	11.74	91	404479	24.897	ug/L	100
54) m,p-Xylene	11.85	106	153301	25.047	ug/L	97
55) o-xylene	12.17	106	144480	25.045	ug/L	99
56) Styrene	12.19	104	259383	25.621	ug/L	99
57) Isopropylbenzene	12.47	105	414237	25.139	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	92540	28.095	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	75468	28.226	ug/L	100
62) Bromoform	12.35	173	58254	27.126	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	185284	24.153	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	194954	24.336	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	183591	24.872	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	20340	28.981	ug/L	99
67) 1,3,5-Trichlorobenzene	14.64	180	153945	24.452	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	126968	24.550	ug/L	100
69) Naphthalene	15.38	128	280663	27.083	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	124213	25.626	ug/L	99

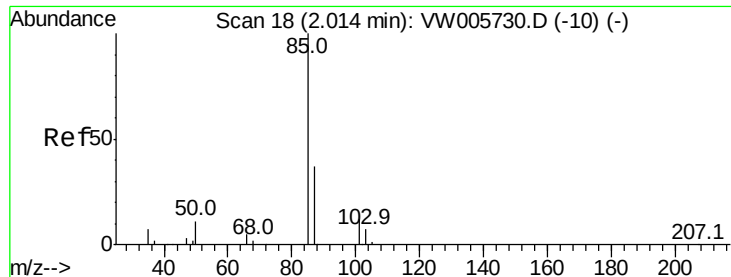
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.365 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

Instrument :

MSVOA_W

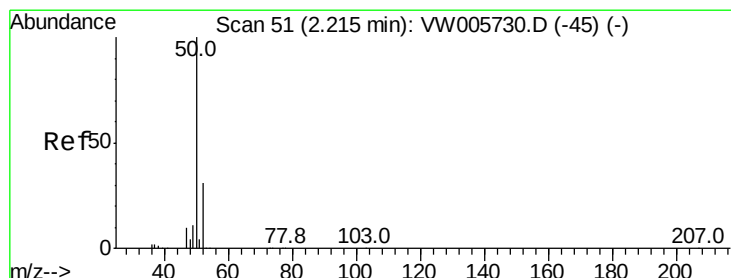
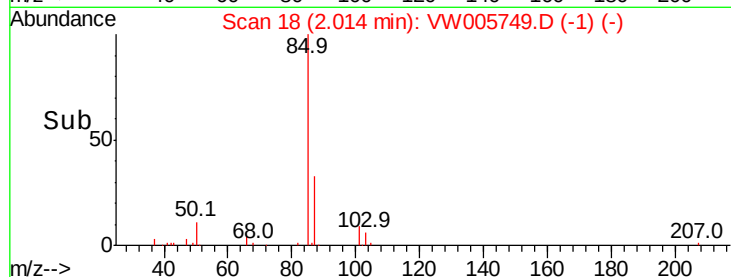
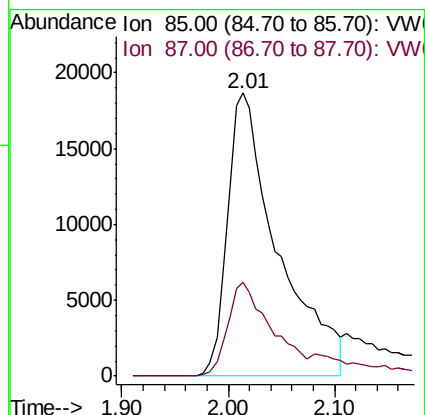
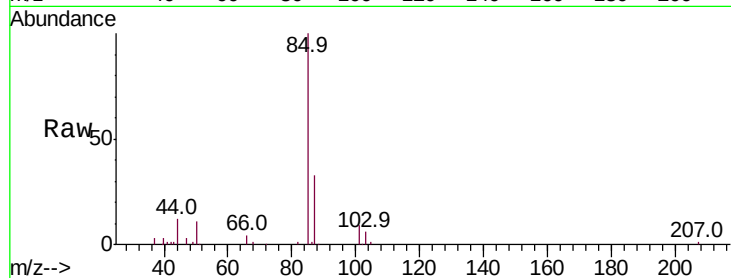
ClientSampleId :

Tot Ion: 85 Resp: 61699

Ion Ratio Lower Upper

85 100

87 29.2 19.2 35.6



#3

Chloromethane

Concen: 18.532 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005749.D

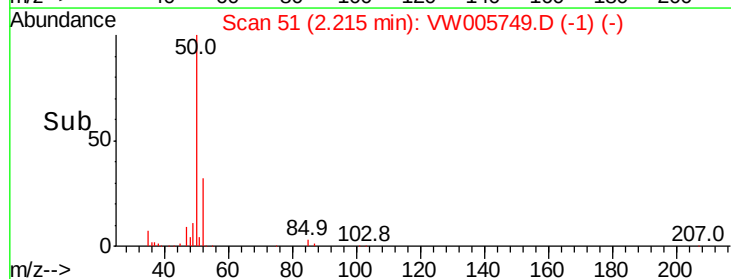
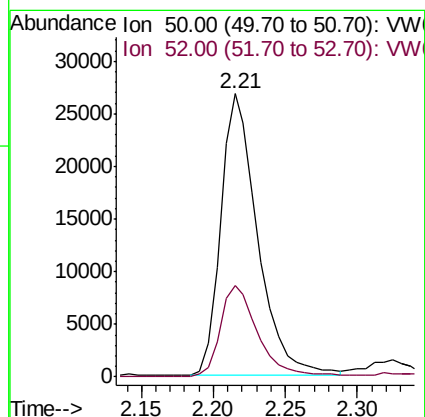
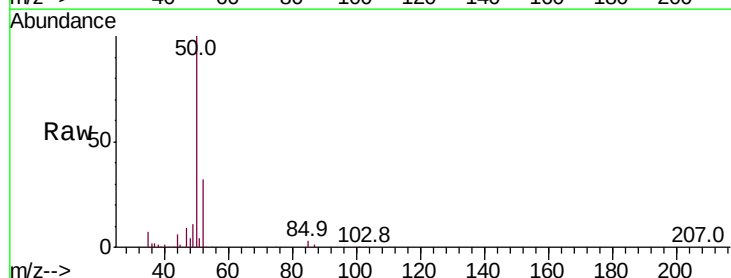
Acq: 01 Oct 2018 21:12

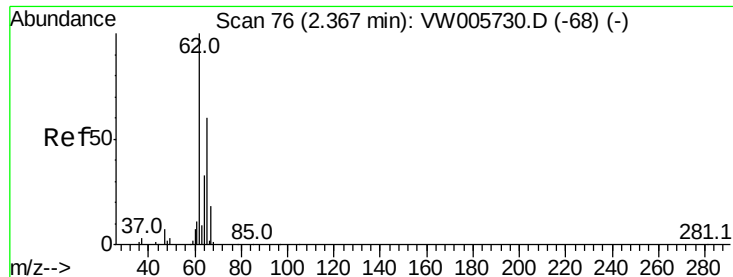
Tgt Ion: 50 Resp: 47625

Ion Ratio Lower Upper

50 100

52 32.3 23.4 43.4





#5

Vinyl chloride

Concen: 22.553 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

Instrument :

MSVOA_W

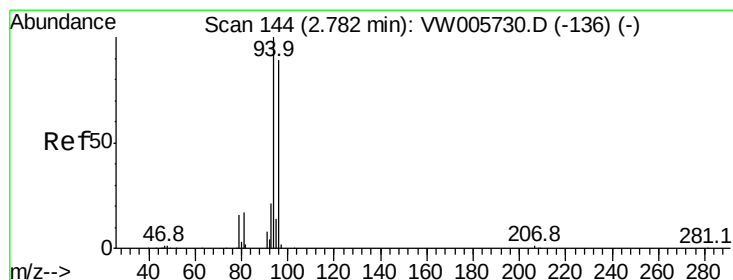
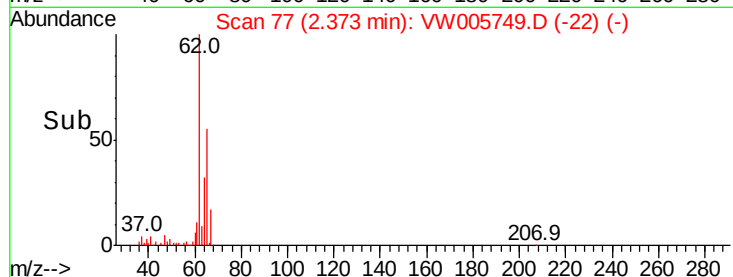
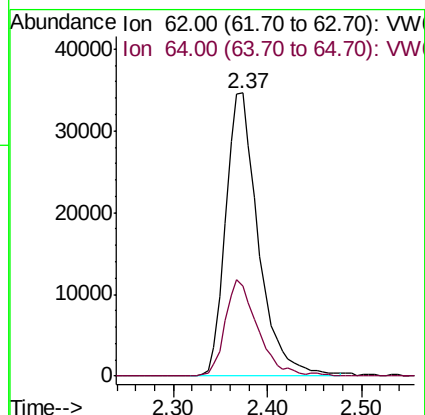
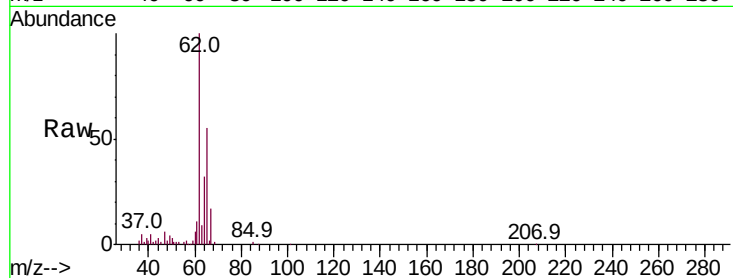
ClientSampleId :

Tot Ion: 62 Resp: 83568

Ion Ratio Lower Upper

62 100

64 32.0 24.1 44.7



#6

Bromomethane

Concen: 21.772 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW005749.D

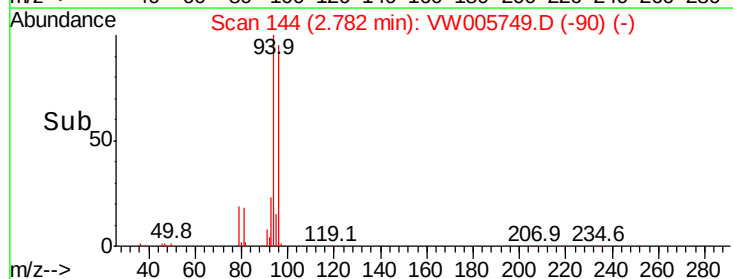
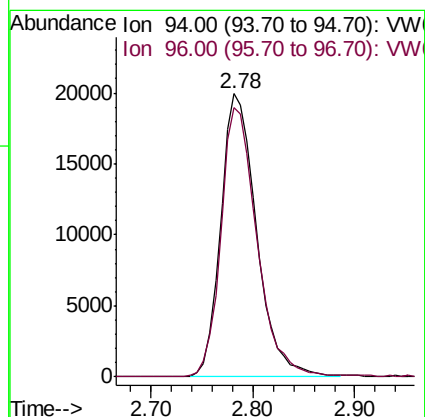
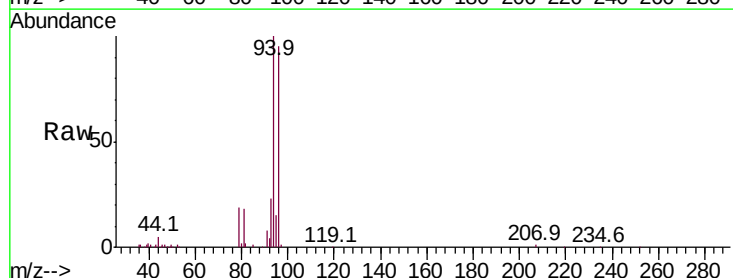
Acq: 01 Oct 2018 21:12

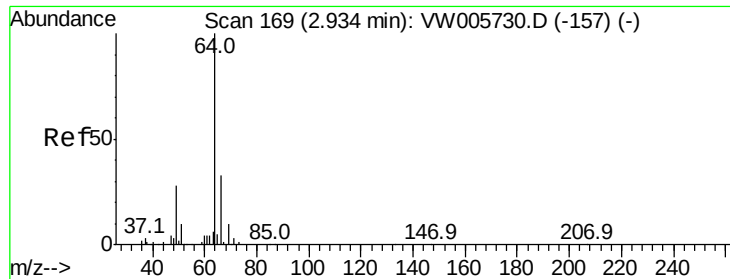
Tgt Ion: 94 Resp: 48540

Ion Ratio Lower Upper

94 100

96 95.9 9.6 181.6





#8

Chloroethane

Concen: 23.263 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

Instrument :

MSVOA_W

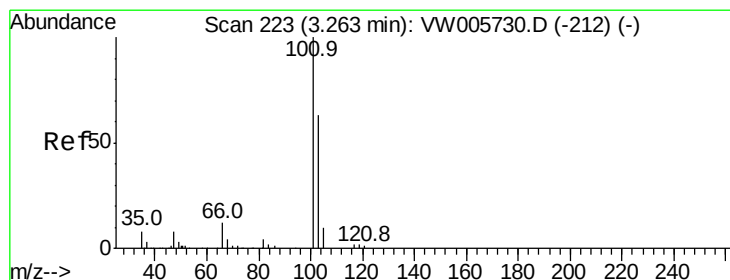
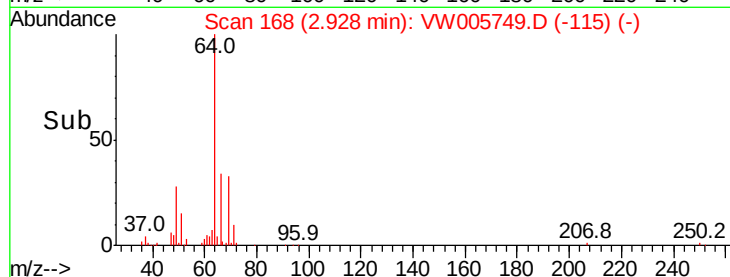
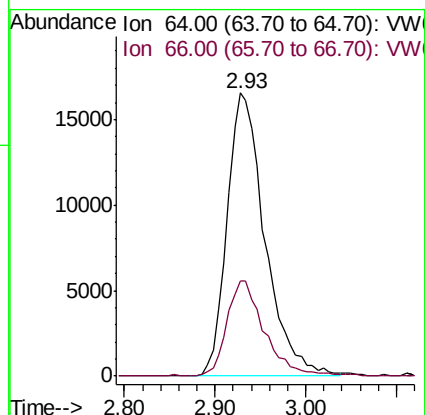
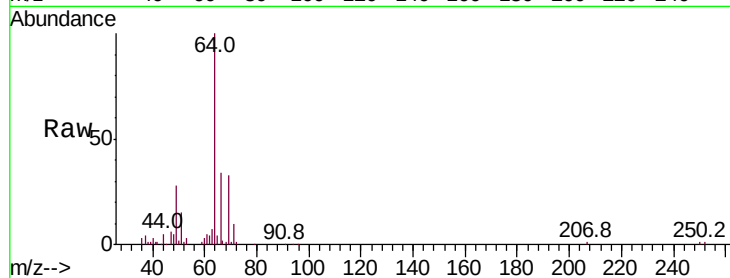
ClientSampleId :

Tot Ion: 64 Resp: 47927

Ion Ratio Lower Upper

64 100

66 33.6 21.1 39.3



#9

Trichlorofluoromethane

Concen: 21.172 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW005749.D

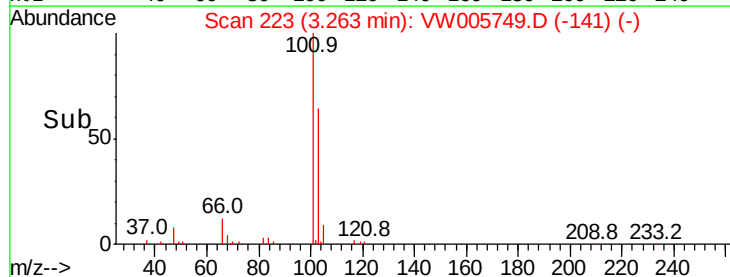
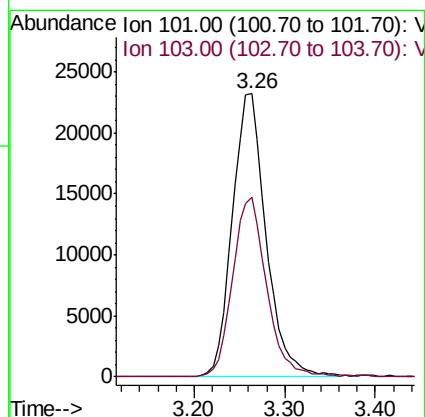
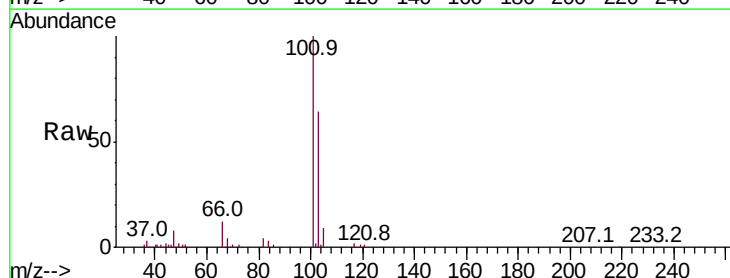
Acq: 01 Oct 2018 21:12

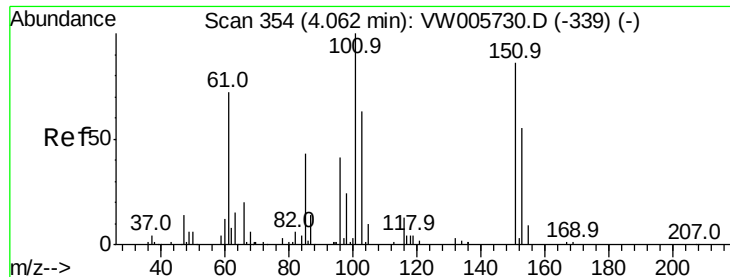
Tgt Ion: 101 Resp: 59945

Ion Ratio Lower Upper

101 100

103 63.5 44.9 83.5





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 25.345 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

Instrument :

MSVOA_W

ClientSampled :

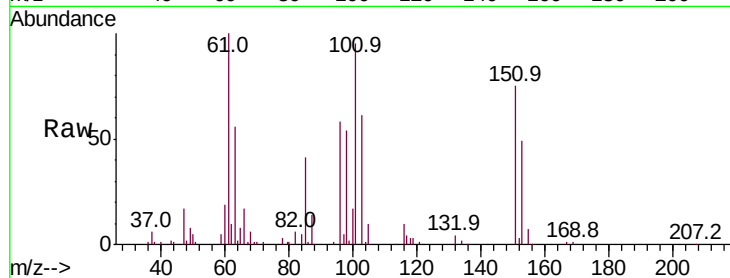
Tot Ion:101 Resp: 81063

Ion Ratio Lower Upper

101 100

85 43.3 35.0 52.4

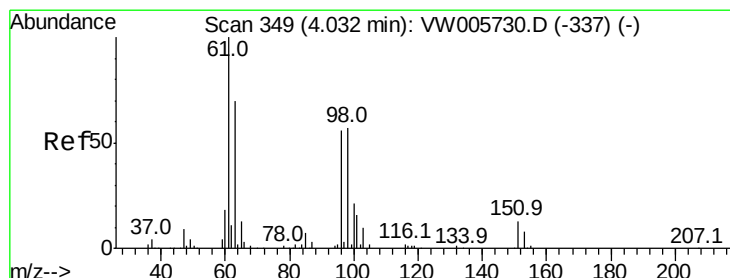
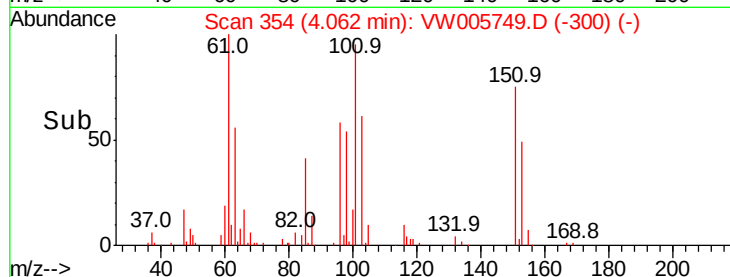
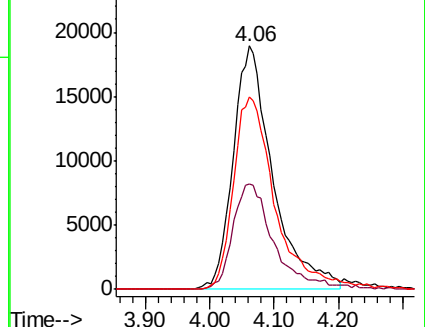
151 78.5 66.4 99.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.438 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

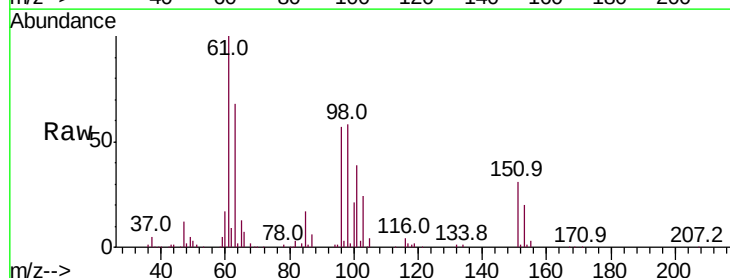
Tgt Ion: 96 Resp: 71597

Ion Ratio Lower Upper

96 100

61 174.0 121.4 225.6

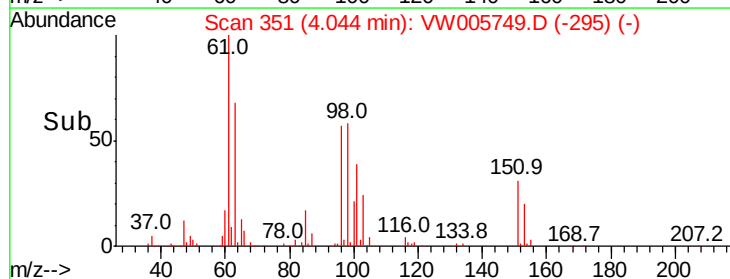
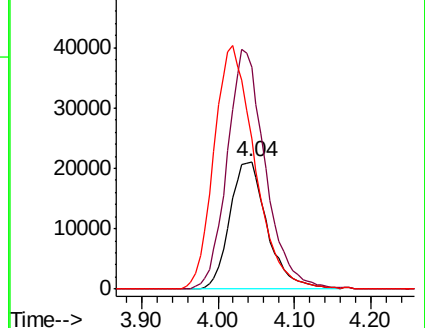
63 118.4 87.2 161.9

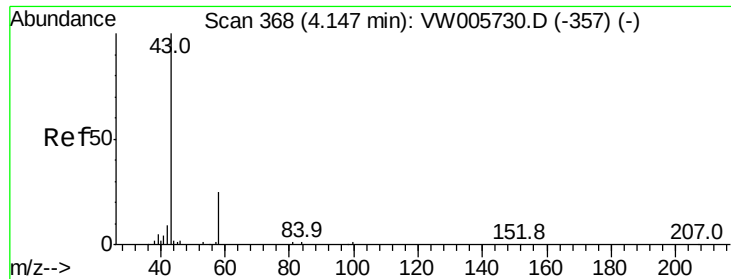


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 53.536 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

Instrument :

MSVOA_W

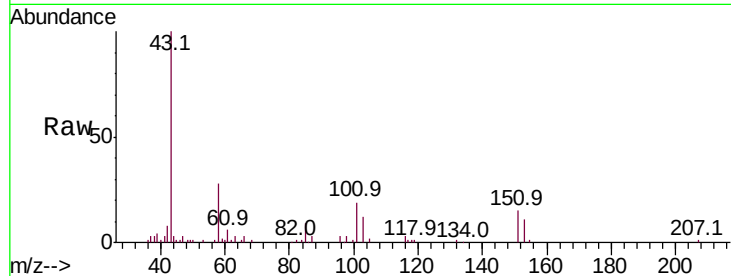
ClientSampled :

Tot Ion: 43 Resp: 53679

Ion Ratio Lower Upper

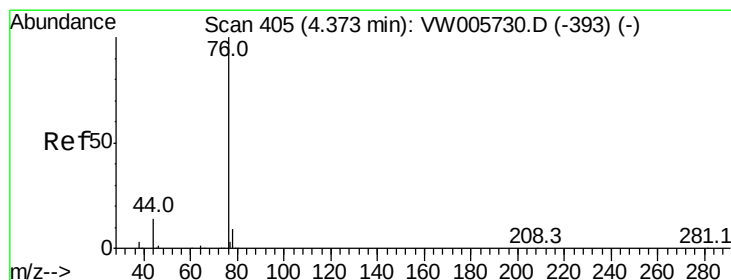
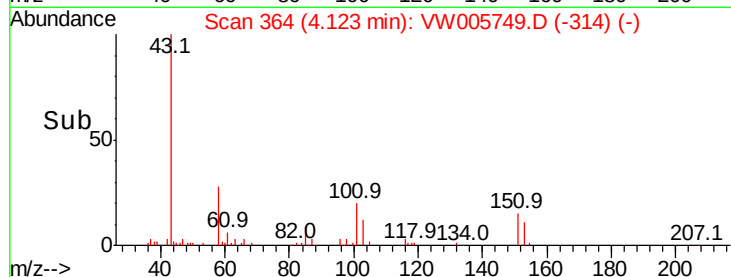
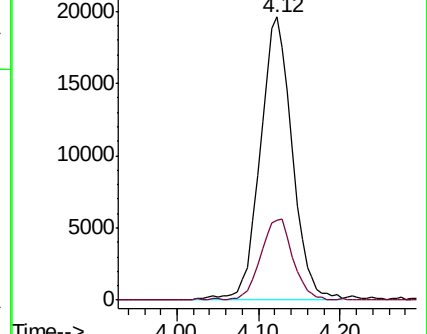
43 100

58 28.7 0.0 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 22.263 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW005749.D

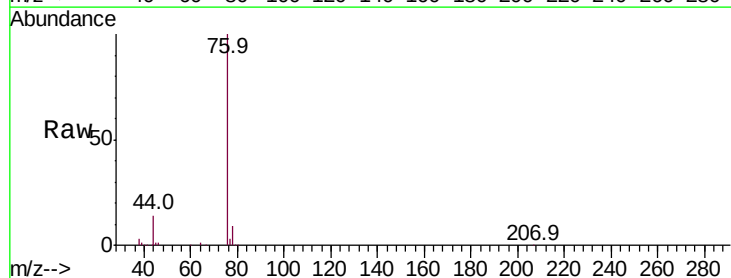
Acq: 01 Oct 2018 21:12

Tgt Ion: 76 Resp: 213234

Ion Ratio Lower Upper

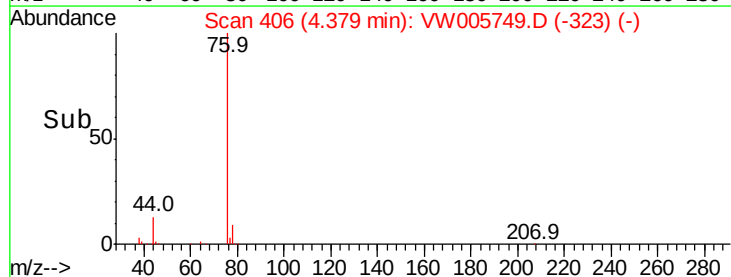
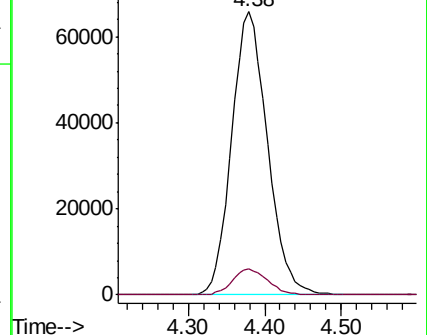
76 100

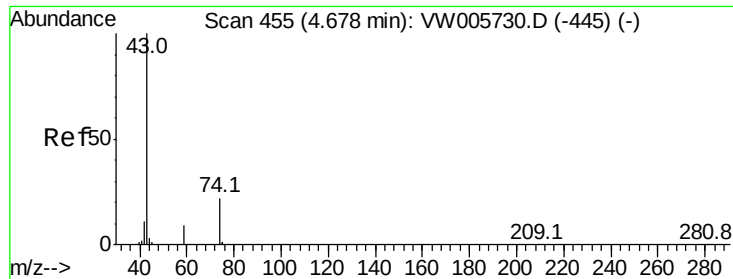
78 9.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

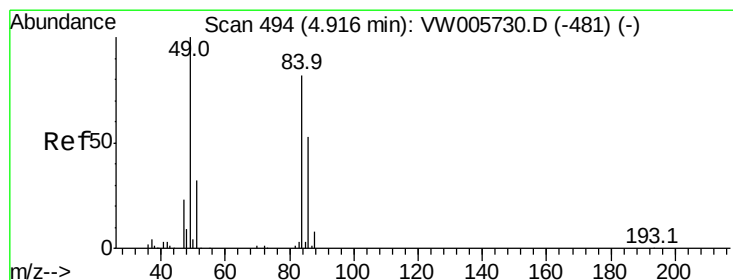
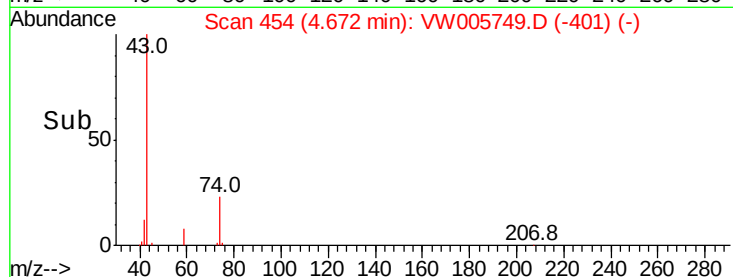
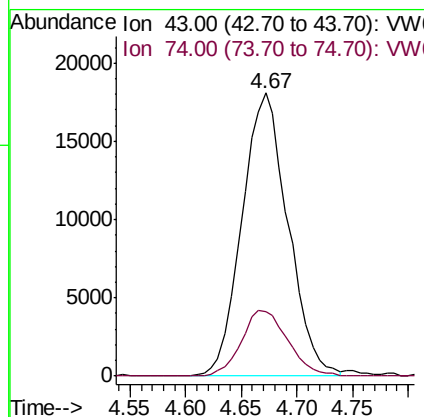
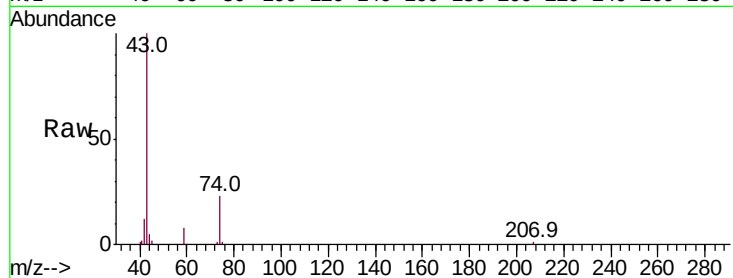




#15
Methvl Acetate
Concen: 29.162 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW005749.D
Acq: 01 Oct 2018 21:12

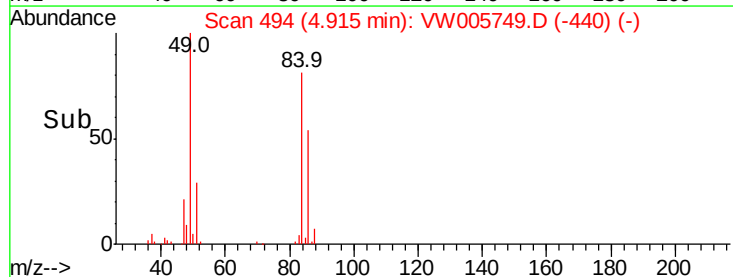
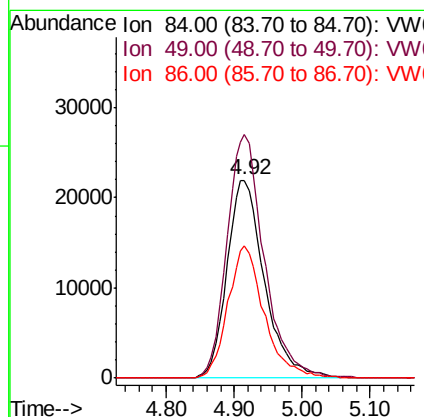
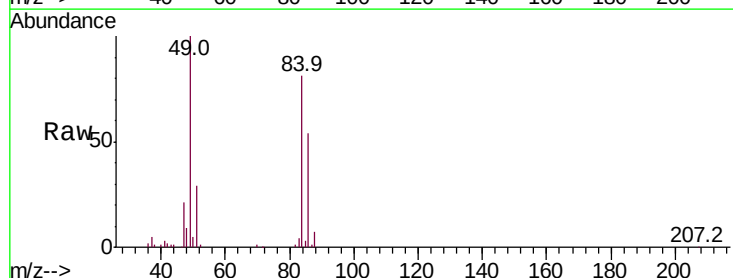
Instrument :
MSVOA_W
ClientSampled :

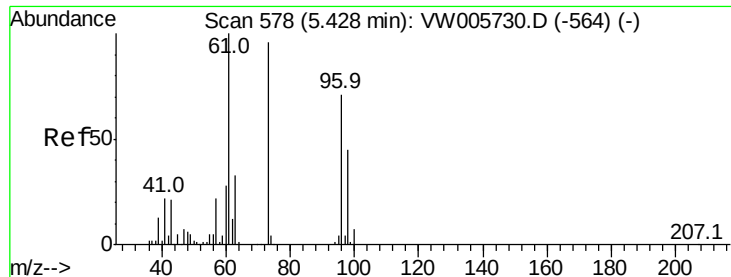
Tot Ion: 43 Resp: 51892
Ion Ratio Lower Upper
43 100
74 23.3 19.5 29.3



#16
Methylene chloride
Concen: 21.648 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW005749.D
Acq: 01 Oct 2018 21:12

Tgt Ion: 84 Resp: 83976
Ion Ratio Lower Upper
84 100
49 122.9 87.2 162.0
86 66.8 43.2 80.2

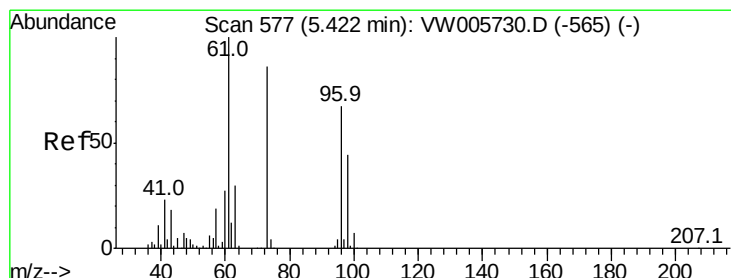
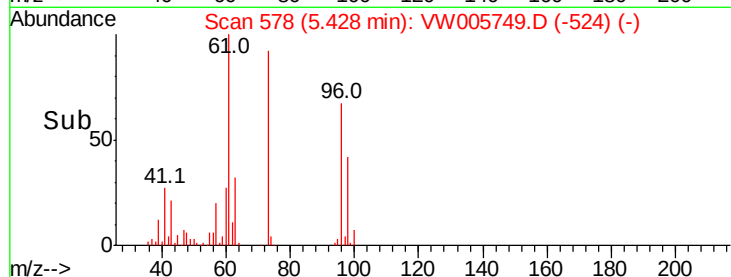
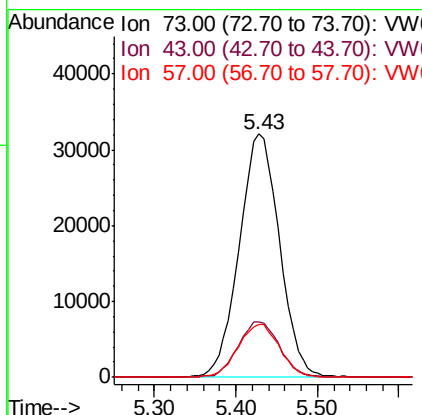
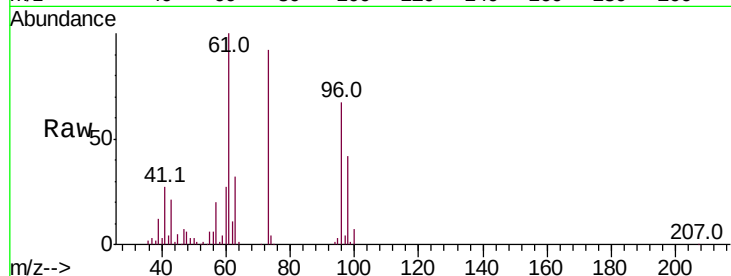




#17
Methyl tert-butyl Ether
Concen: 22.661 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW005749.D
Acq: 01 Oct 2018 21:12

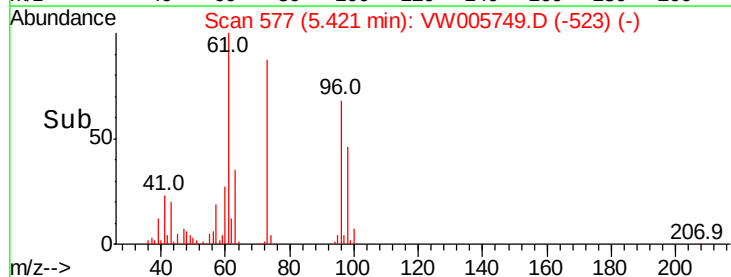
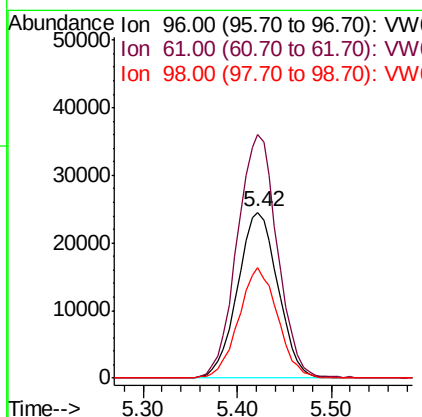
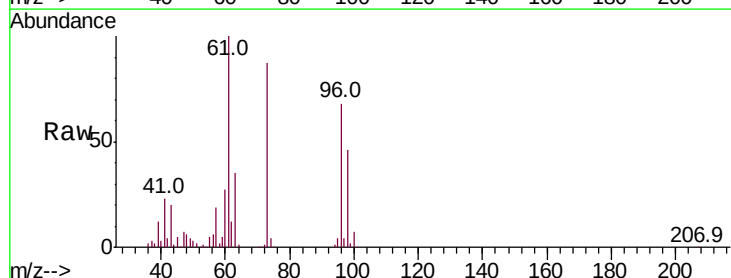
Instrument :
MSVOA_W
ClientSampled :

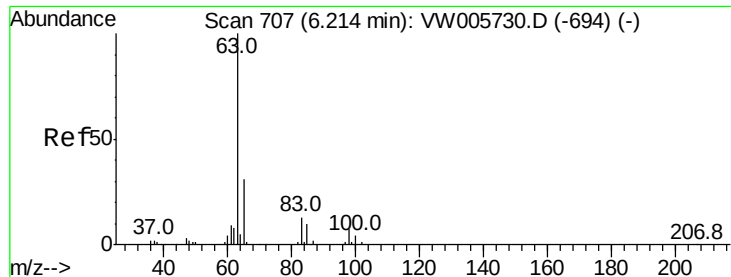
Tot Ion: 73 Resp: 110140
Ion Ratio Lower Upper
73 100
43 23.6 18.2 27.4
57 22.6 17.5 26.3



#18
trans-1,2-Dichloroethene
Concen: 23.437 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW005749.D
Acq: 01 Oct 2018 21:12

Tgt Ion: 96 Resp: 73632
Ion Ratio Lower Upper
96 100
61 147.1 98.6 183.2
98 67.1 43.7 81.1

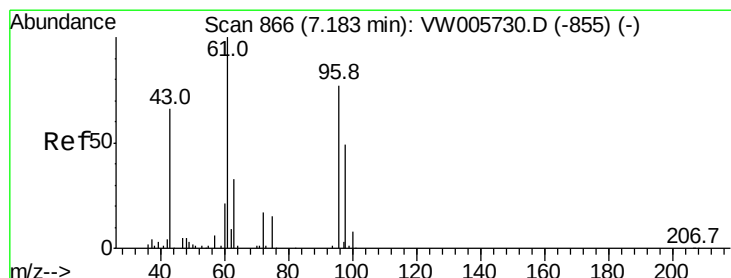
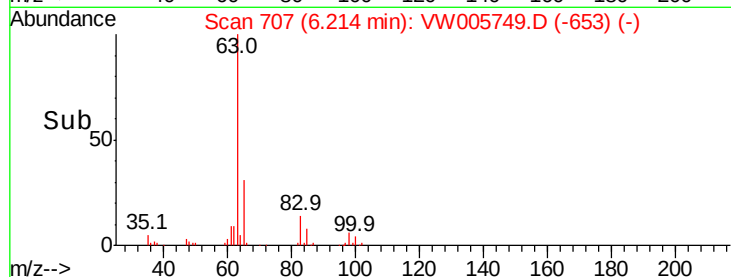
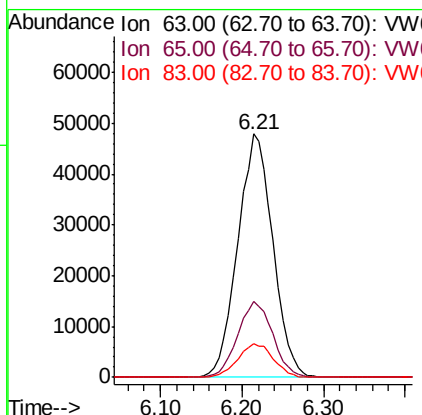
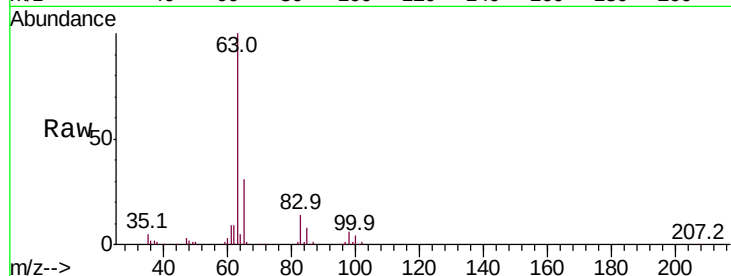




#19
 1,1-Dichloroethane
 Concen: 24.563 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW005749.D
 Acq: 01 Oct 2018 21:12

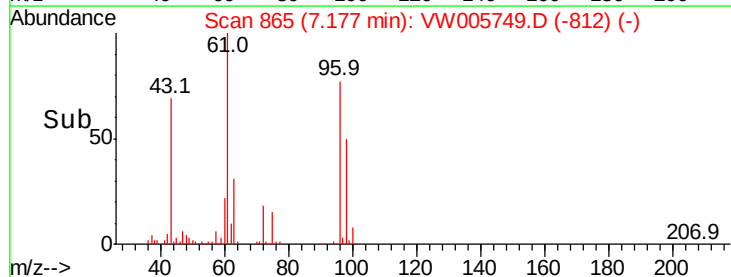
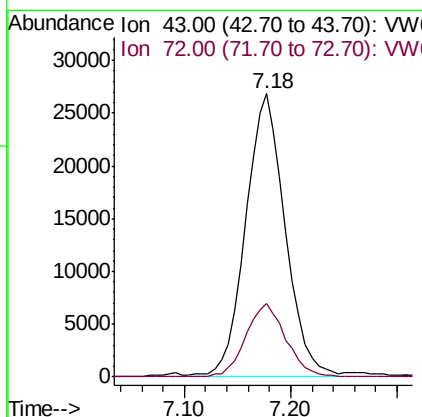
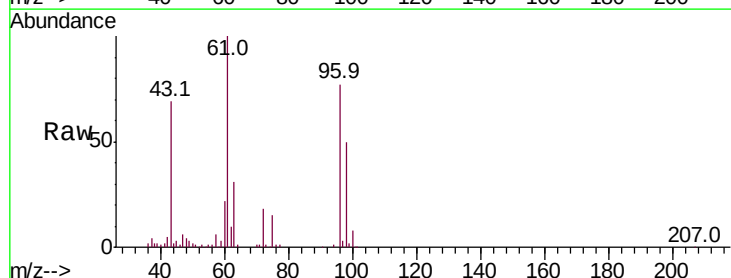
Instrument :
 MSVOA_W
 ClientSampled :

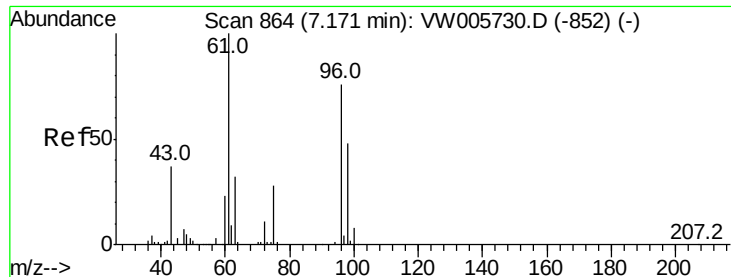
Tot Ion: 63 Resp: 142792
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.8 40.4
 83 13.6 9.7 18.1



#21
 2-Butanone
 Concen: 58.293 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VW005749.D
 Acq: 01 Oct 2018 21:12

Tgt Ion: 43 Resp: 69998
 Ion Ratio Lower Upper
 43 100
 72 26.0 13.2 39.6





#22

cis-1,2-Dichloroethene

Concen: 24.171 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

Instrument :
MSVOA_W
ClientSampled :

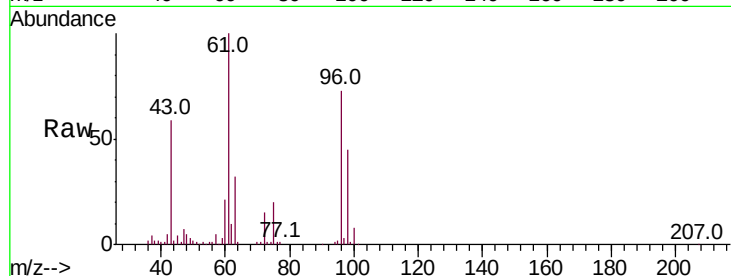
Tot Ion: 96 Resp: 82542

Ion Ratio Lower Upper

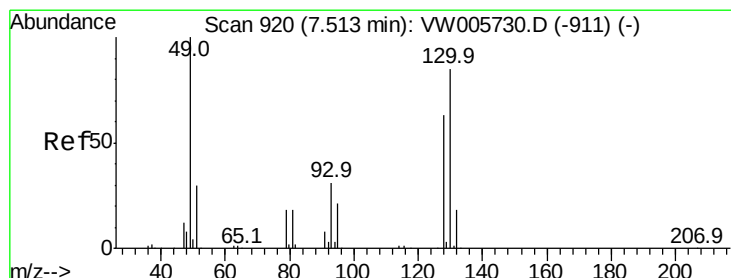
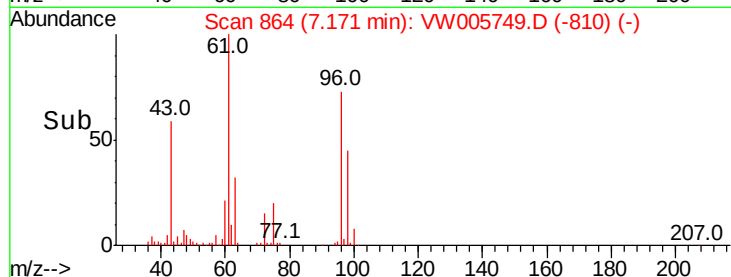
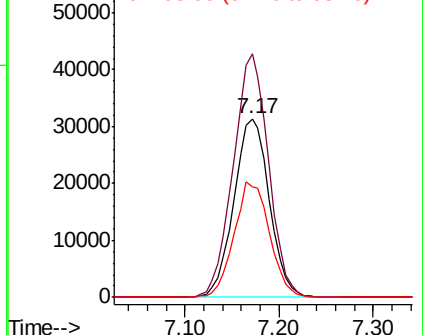
96 100

61 136.5 95.7 177.7

98 62.1 44.1 81.9



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



#23

Bromochloromethane

Concen: 24.830 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.01 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

Tgt Ion:128 Resp: 39354

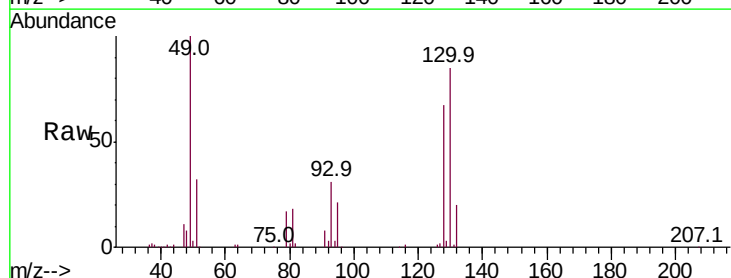
Ion Ratio Lower Upper

128 100

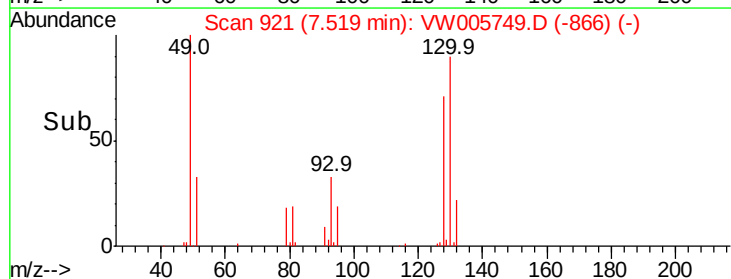
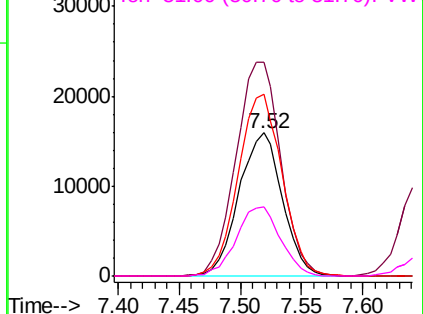
49 149.3 108.1 200.7

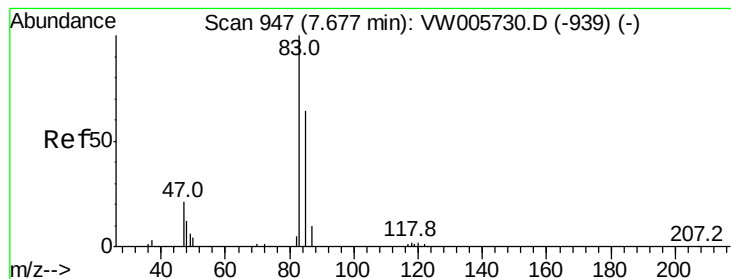
130 126.9 89.3 165.9

51 48.3 37.0 55.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 24.679 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

Instrument :

MSVOA_W

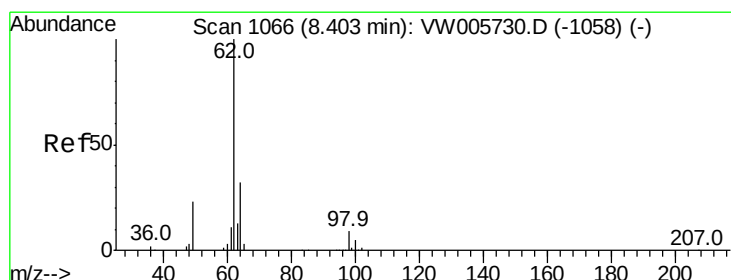
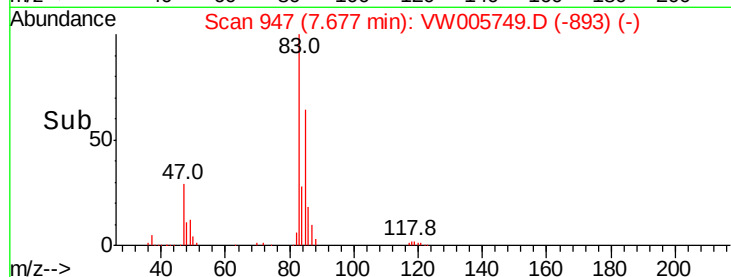
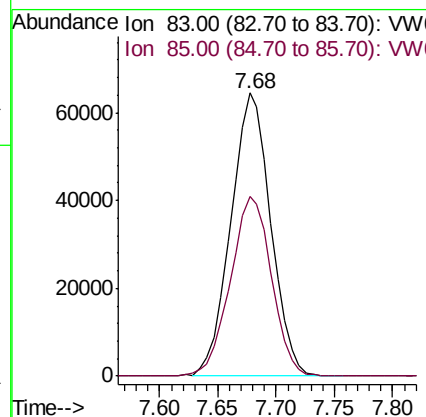
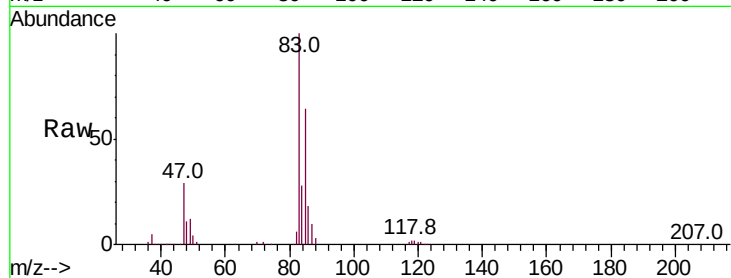
ClientSampleId :

Tot Ion: 83 Resp: 153501

Ion Ratio Lower Upper

83 100

85 65.6 46.0 85.4



#27

1,2-Dichloroethane

Concen: 25.079 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW005749.D

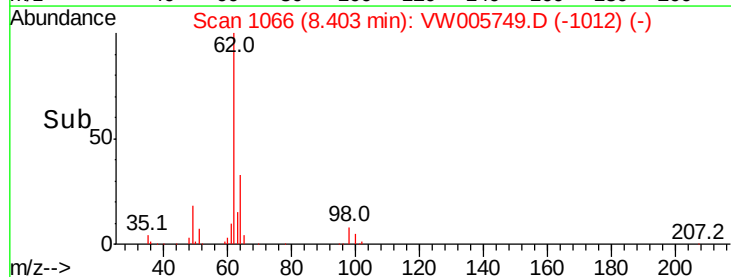
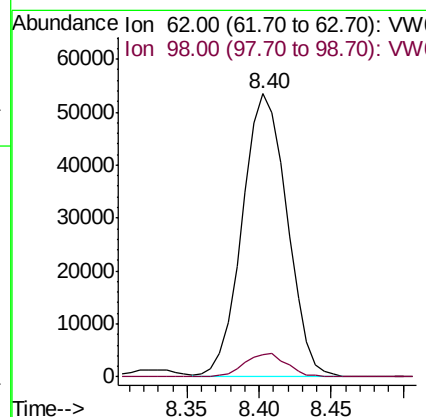
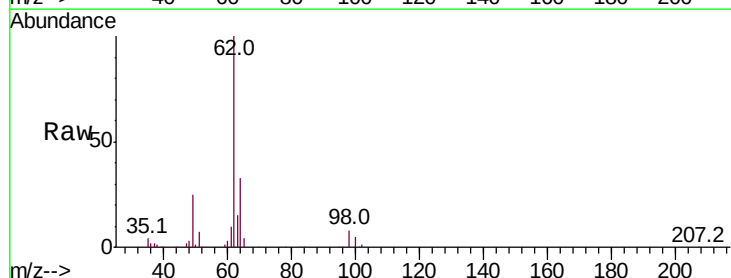
Acq: 01 Oct 2018 21:12

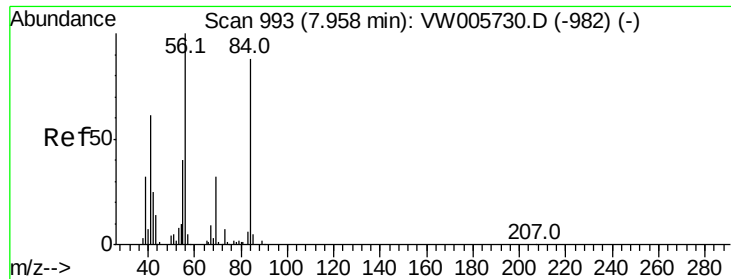
Tgt Ion: 62 Resp: 114850

Ion Ratio Lower Upper

62 100

98 8.0 6.2 9.2





#30

Cyclohexane

Concen: 24.256 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.01 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

Instrument :
MSVOA_W
ClientSampled :

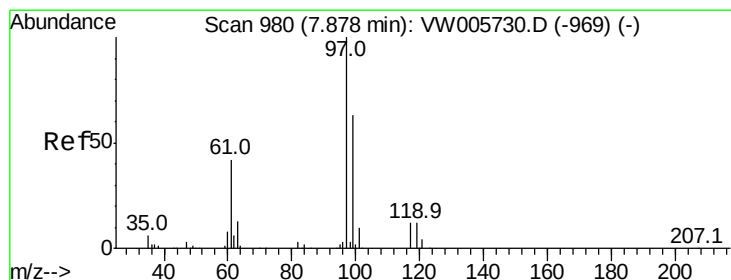
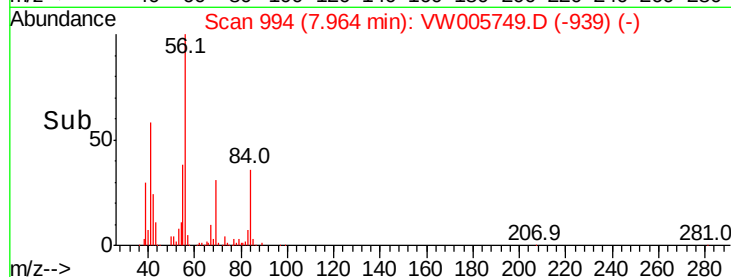
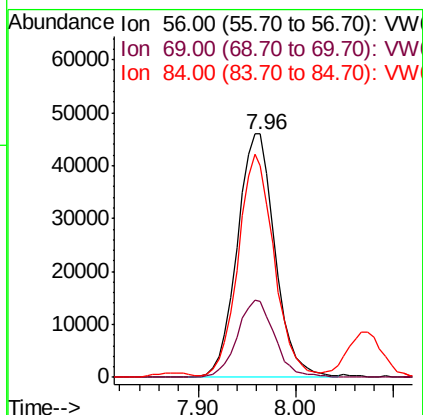
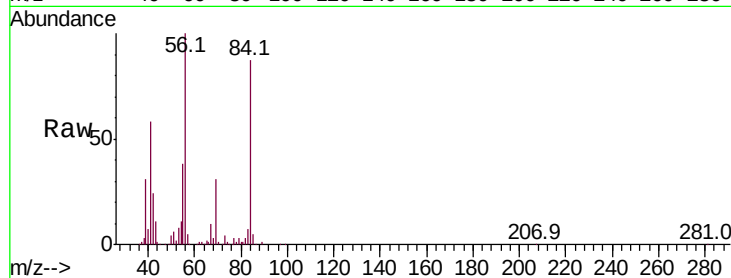
Tot Ion: 56 Resp: 123535

Ion Ratio Lower Upper

56 100

69 31.4 25.0 37.6

84 87.6 70.2 105.2



#31

1,1,1-Trichloroethane

Concen: 25.075 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

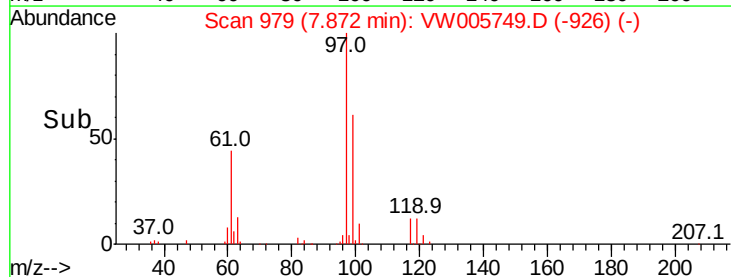
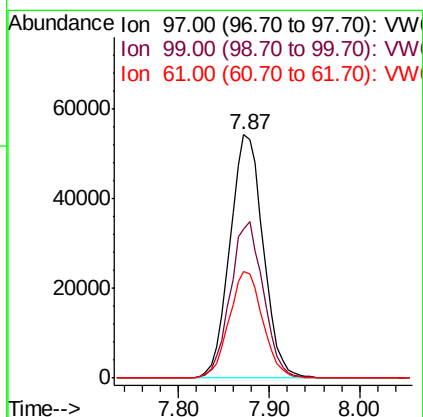
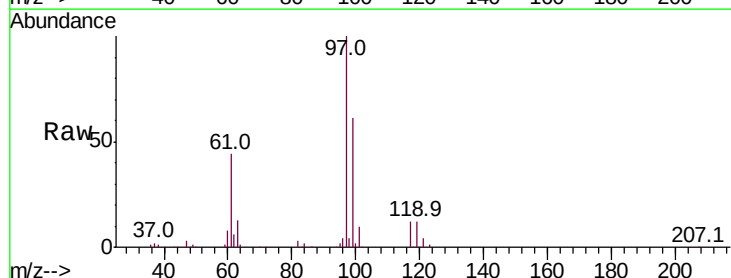
Tgt Ion: 97 Resp: 137984

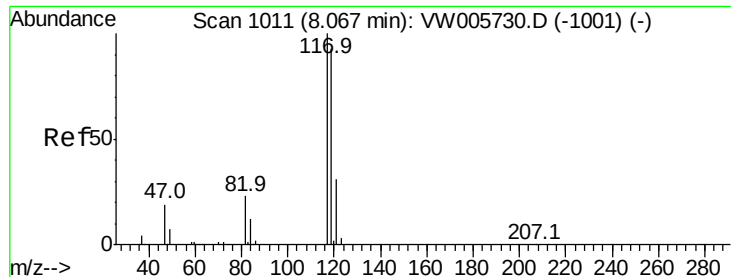
Ion Ratio Lower Upper

97 100

99 63.8 51.8 77.8

61 44.2 35.4 53.2





#32

Carbon tetrachloride

Concen: 25.117 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

Instrument :

MSVOA_W

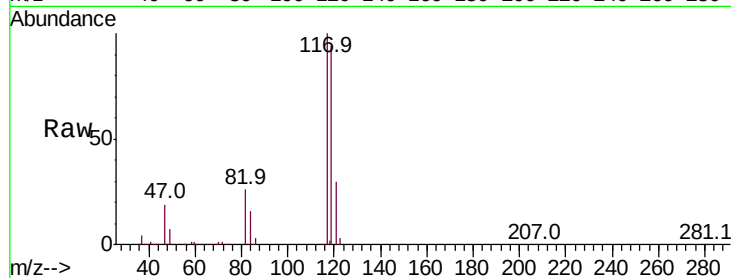
ClientSampleId :

Tot Ion:117 Resp: 134595

Ion Ratio Lower Upper

117 100

119 96.8 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

60000

50000

40000

30000

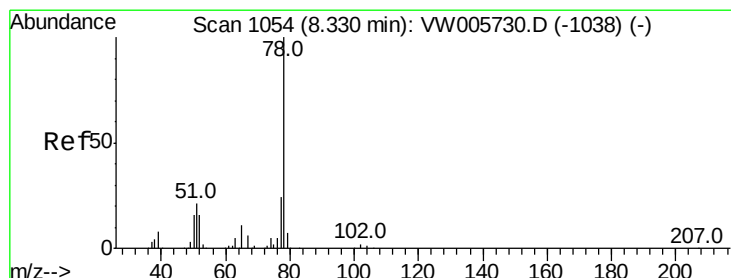
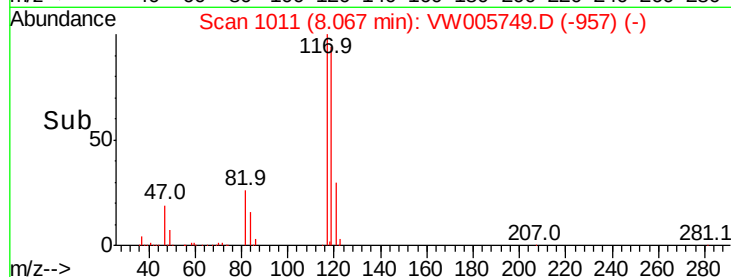
20000

10000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 25.349 ug/L

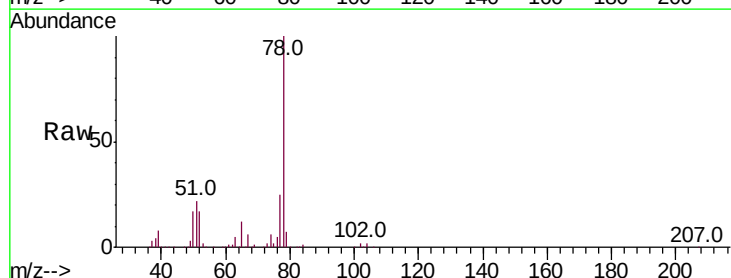
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

Tgt Ion: 78 Resp: 321857



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

150000

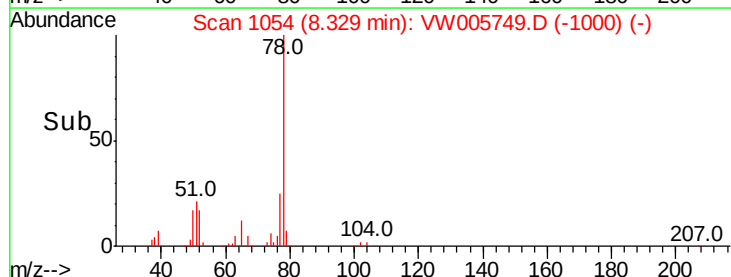
100000

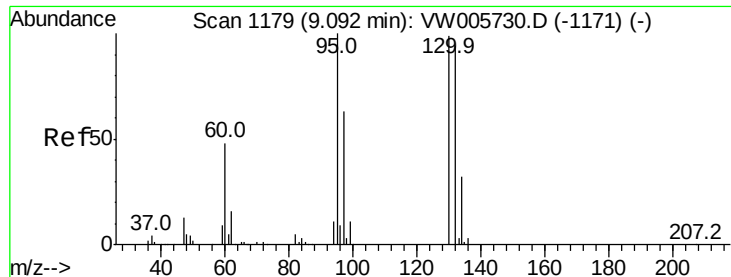
50000

0

8.20 8.30 8.40

Time-->

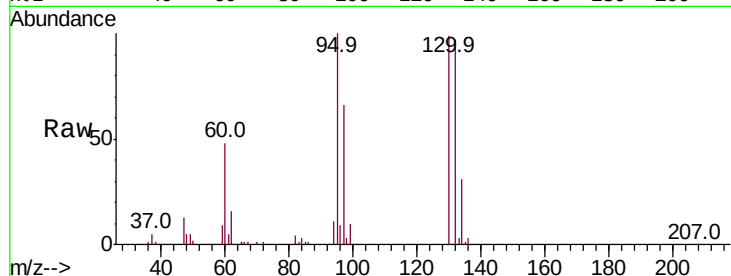




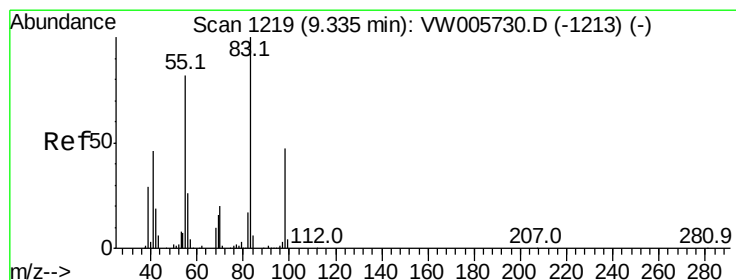
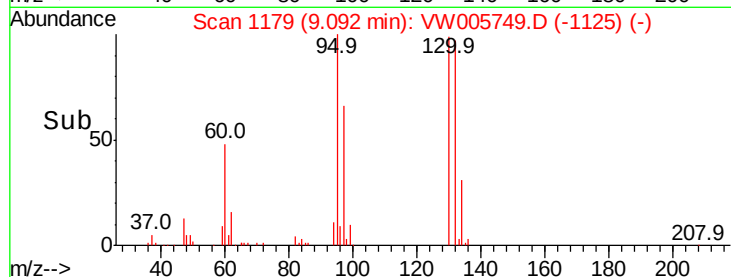
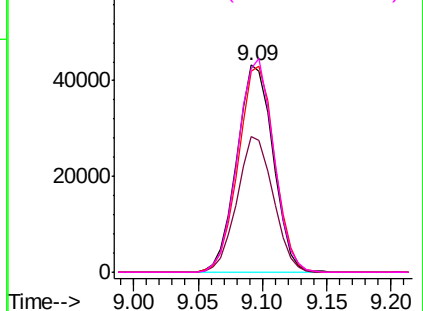
#35
 Trichloroethene
 Concen: 24.908 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW005749.D
 Acq: 01 Oct 2018 21:12

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 95 Resp: 84605
 Ion Ratio Lower Upper
 95 100
 97 65.1 45.2 84.0
 132 99.1 68.0 126.4
 130 102.3 71.3 132.5

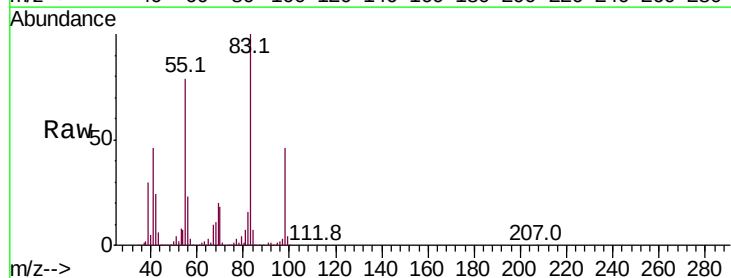


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

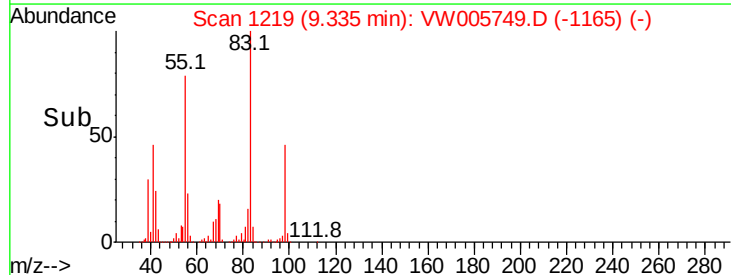
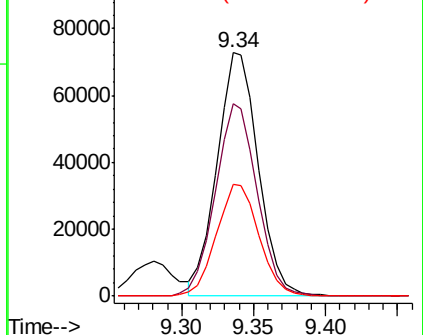


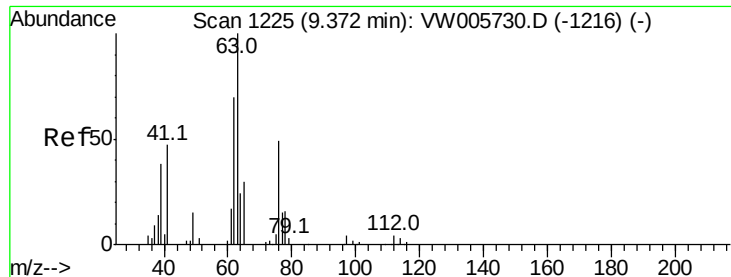
#36
 Methylcyclohexane
 Concen: 24.556 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW005749.D
 Acq: 01 Oct 2018 21:12

Tgt Ion: 83 Resp: 145043
 Ion Ratio Lower Upper
 83 100
 55 80.5 62.5 93.7
 98 47.5 37.7 56.5



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

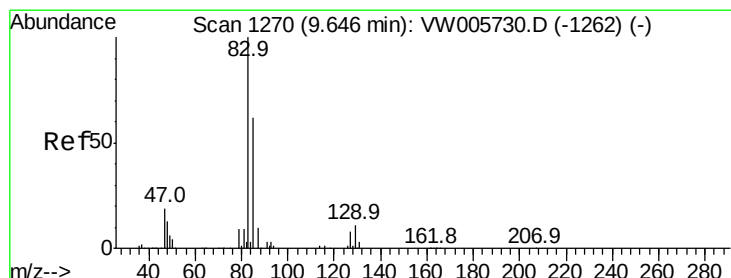
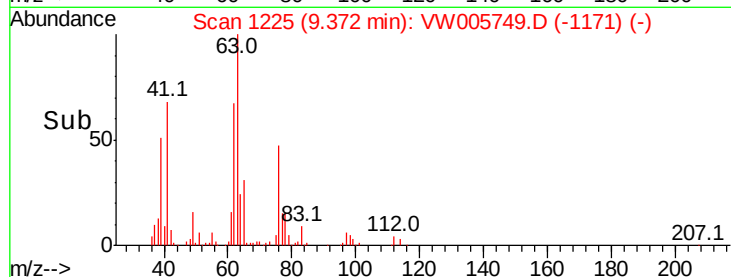
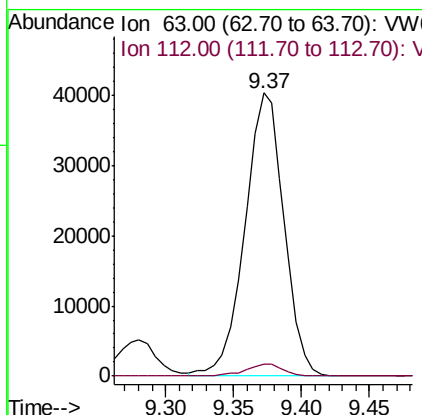
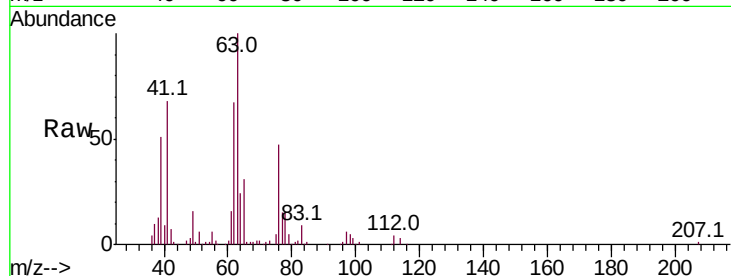




#40
 1,2-Dichloropropane
 Concen: 26.220 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW005749.D
 Acq: 01 Oct 2018 21:12

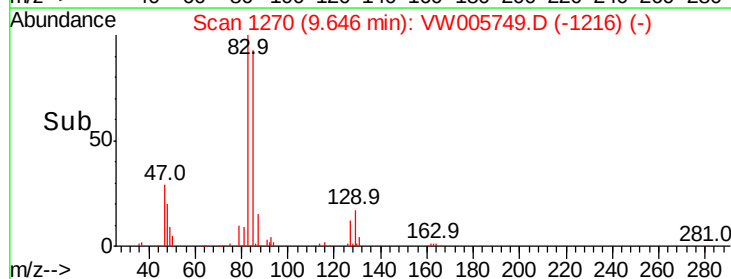
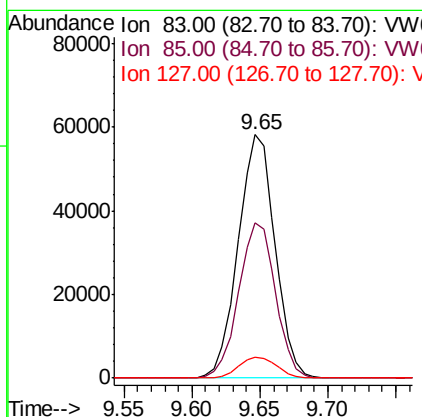
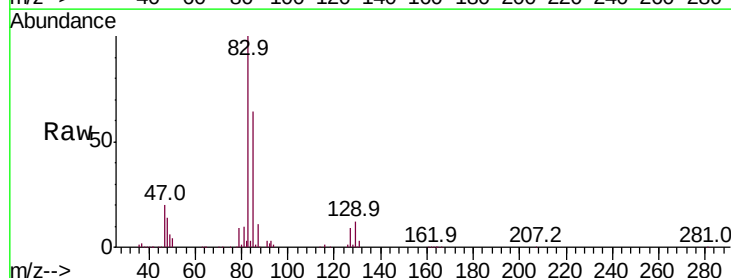
Instrument :
 MSVOA_W
 ClientSampleId :

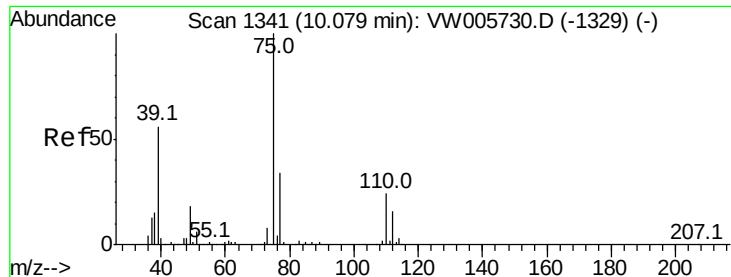
Tot Ion: 63 Resp: 81131
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.2



#41
 Bromodichloromethane
 Concen: 25.346 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW005749.D
 Acq: 01 Oct 2018 21:12

Tgt Ion: 83 Resp: 110266
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.1 81.9
 127 8.6 7.5 11.3





#42

cis-1,3-Dichloropropene

Concen: 23.780 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

Instrument :

MSVOA_W

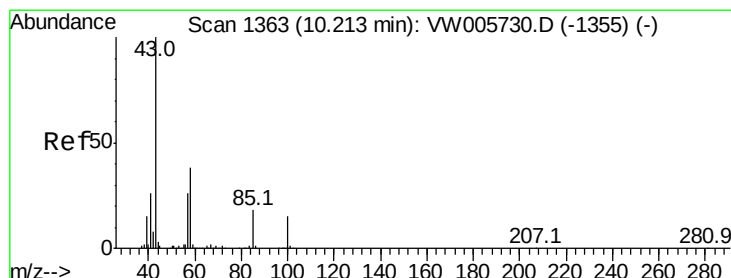
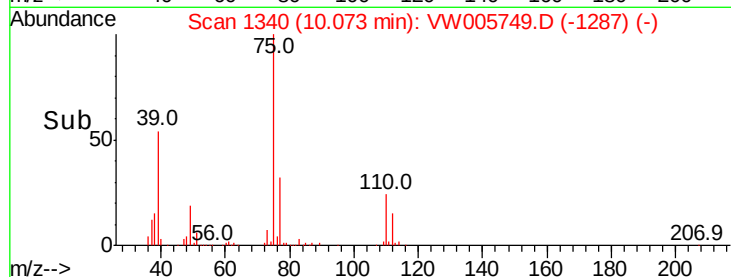
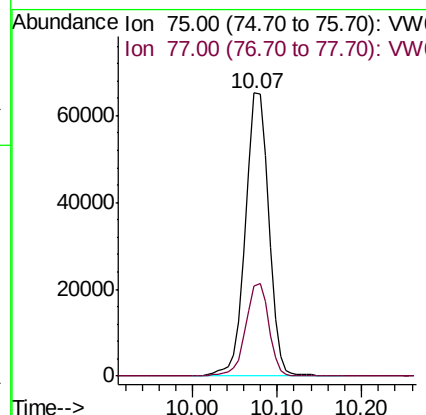
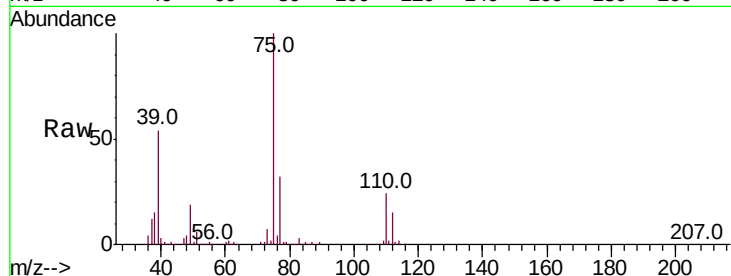
ClientSampleId :

Tot Ion: 75 Resp: 121515

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 56.826 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

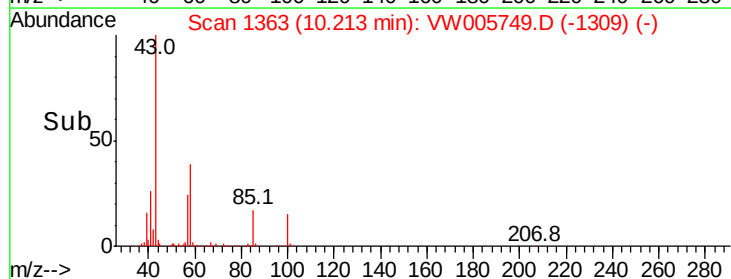
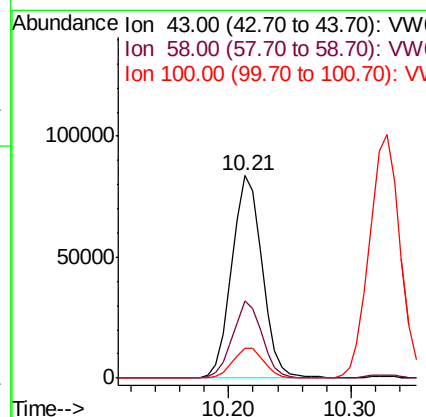
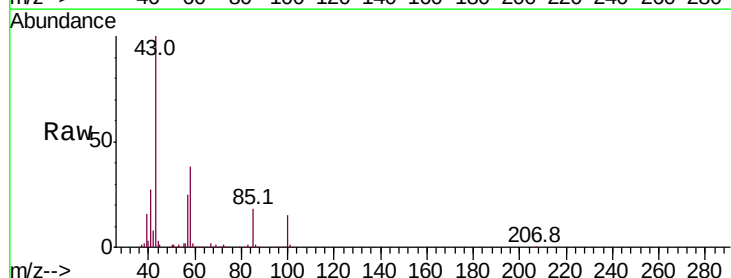
Tgt Ion: 43 Resp: 143493

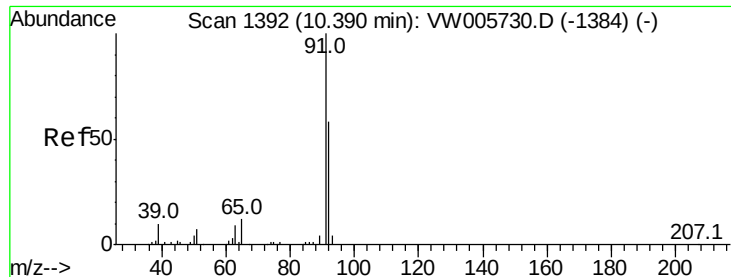
Ion Ratio Lower Upper

43 100

58 37.0 29.8 44.8

100 15.2 12.2 18.4





#44

Toluene

Concen: 24.859 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

Instrument :

MSVOA_W

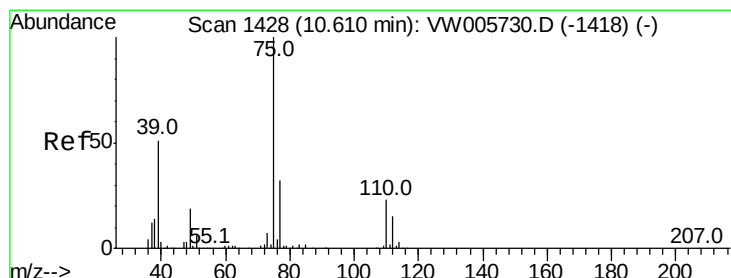
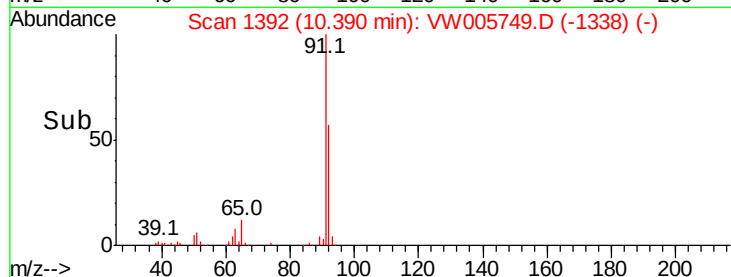
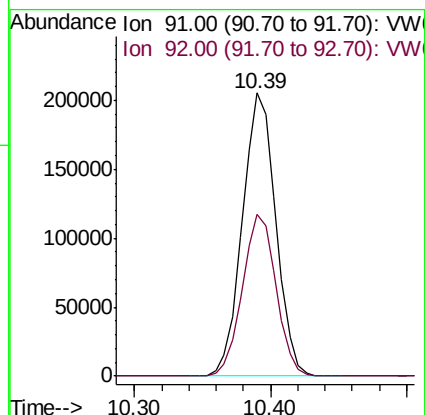
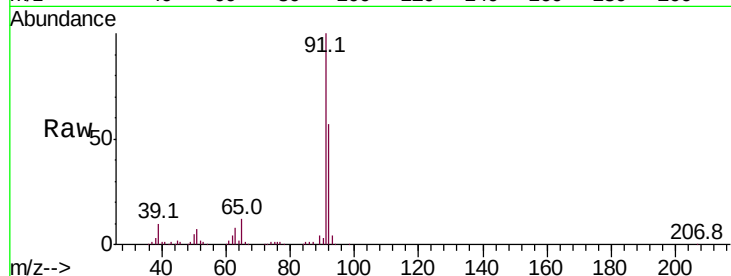
ClientSampled :

Tot Ion: 91 Resp: 352714

Ion Ratio Lower Upper

91 100

92 57.1 40.7 75.5



#45

trans-1,3-Dichloropropene

Concen: 24.643 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005749.D

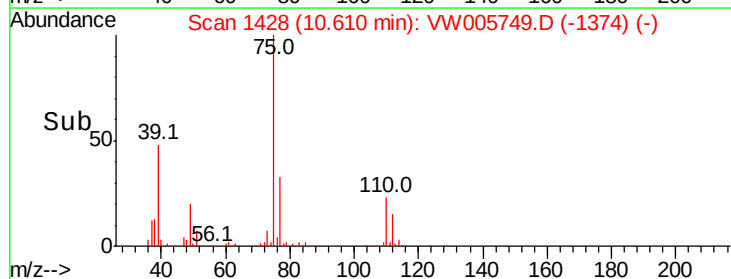
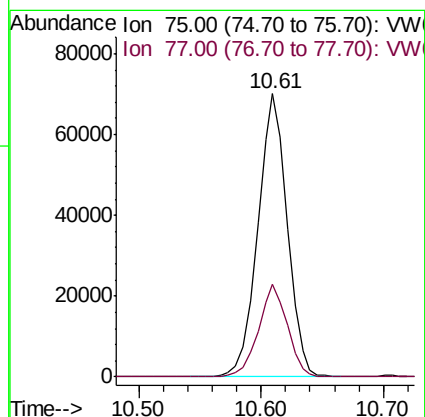
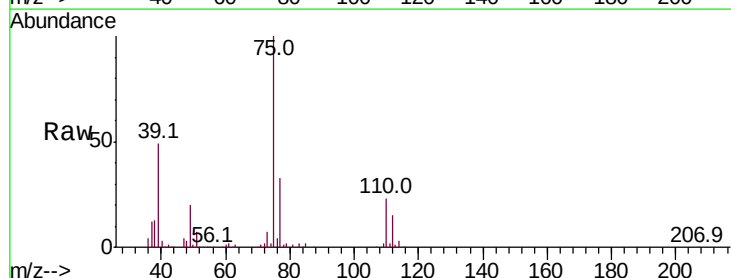
Acq: 01 Oct 2018 21:12

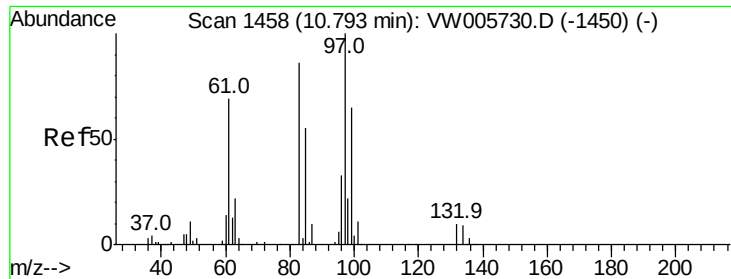
Tgt Ion: 75 Resp: 117255

Ion Ratio Lower Upper

75 100

77 32.8 22.1 41.1





#46

1,1,2-Trichloroethane

Concen: 25.470 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 65764

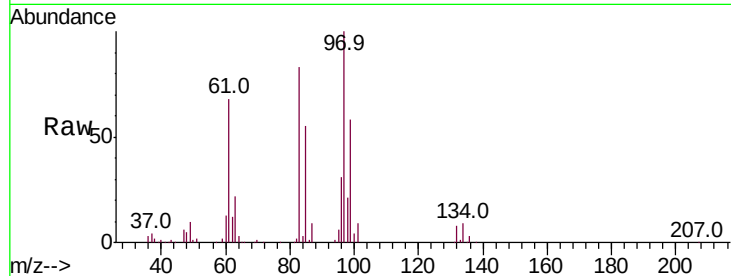
Ion Ratio Lower Upper

97 100

83 83.5 58.3 108.3

85 55.4 38.0 70.6

99 58.5 42.8 79.4

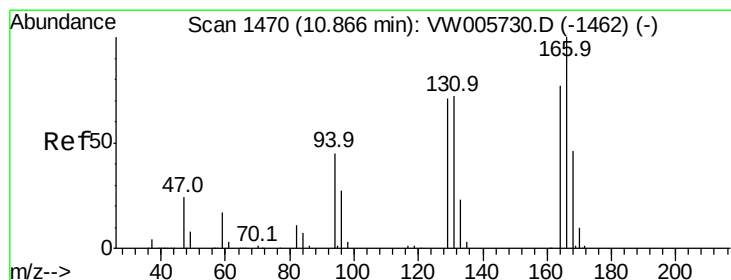
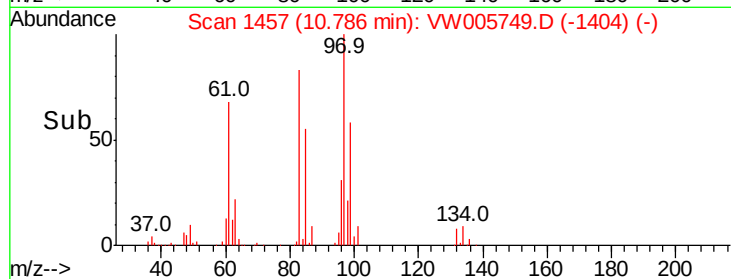
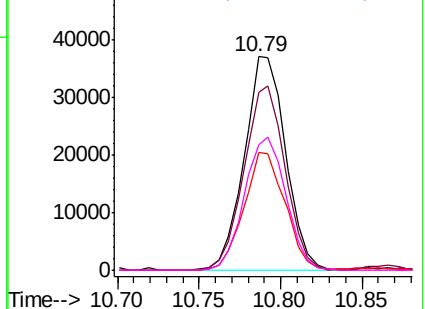


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.856 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

Tgt Ion:164 Resp: 74385

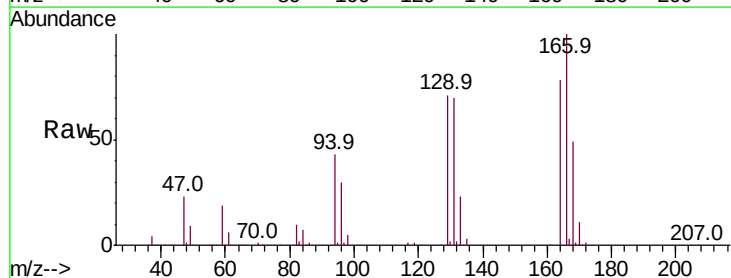
Ion Ratio Lower Upper

164 100

129 90.4 63.8 118.4

131 89.5 61.5 114.3

166 127.6 83.2 154.6

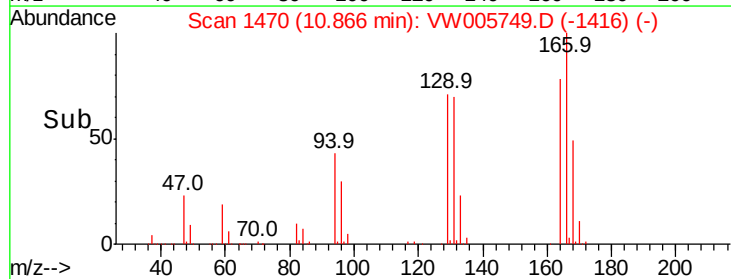
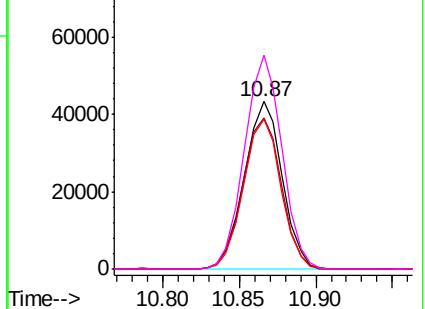


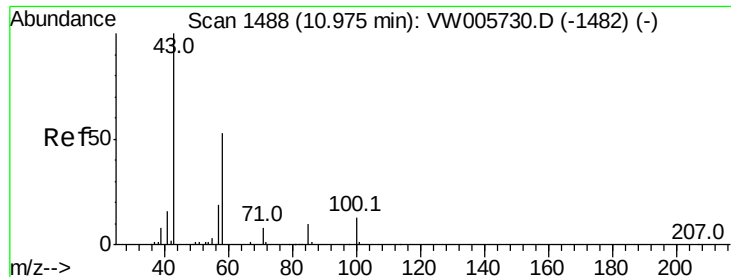
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 62.317 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 110456

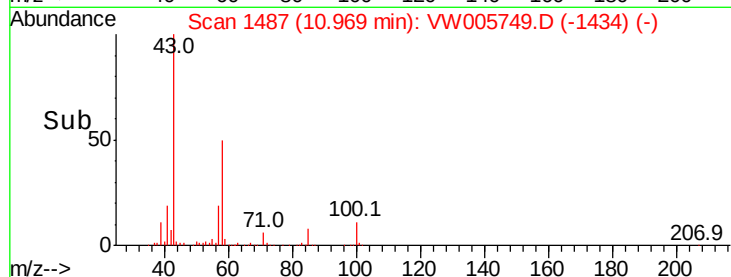
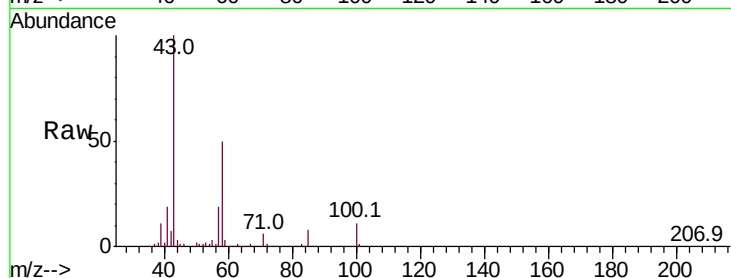
Ion Ratio Lower Upper

43 100

58 50.2 42.0 63.0

57 18.8 15.7 23.5

100 11.8 9.7 14.5

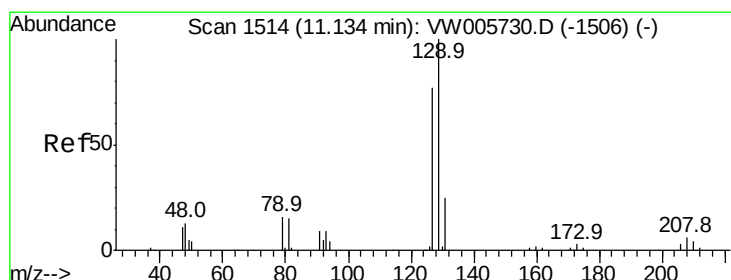
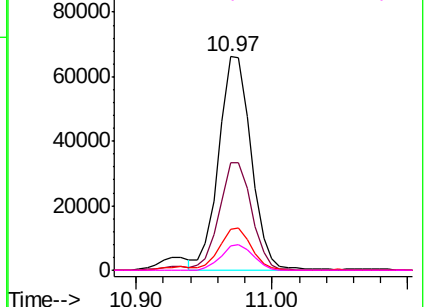


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 25.617 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VW005749.D

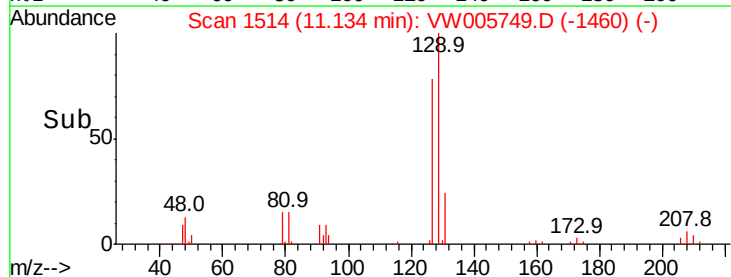
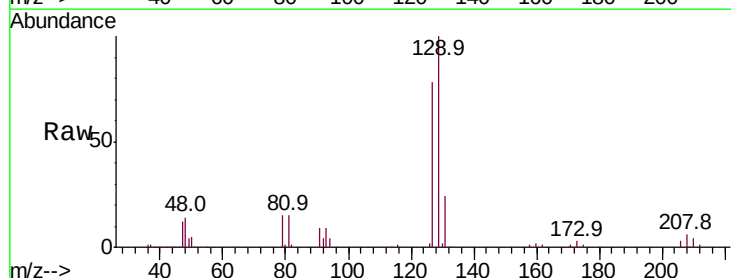
Acq: 01 Oct 2018 21:12

Tgt Ion: 129 Resp: 82952

Ion Ratio Lower Upper

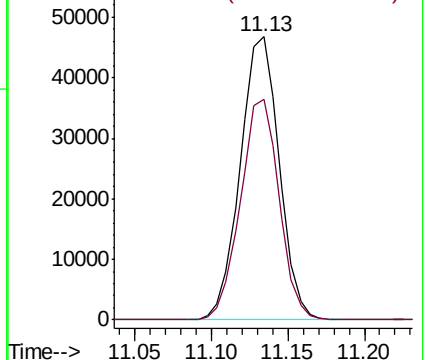
129 100

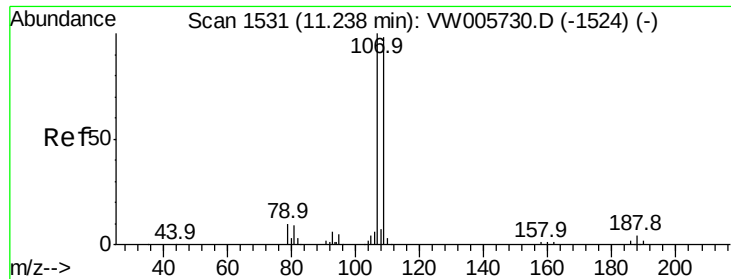
127 77.8 51.7 95.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

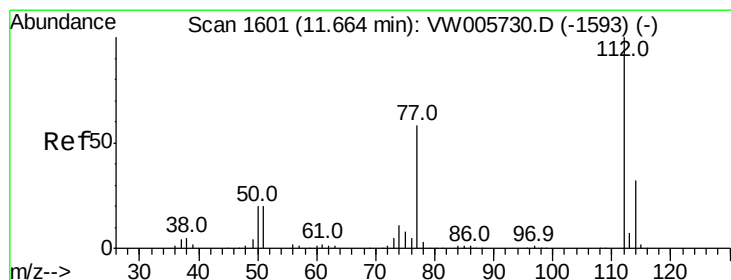
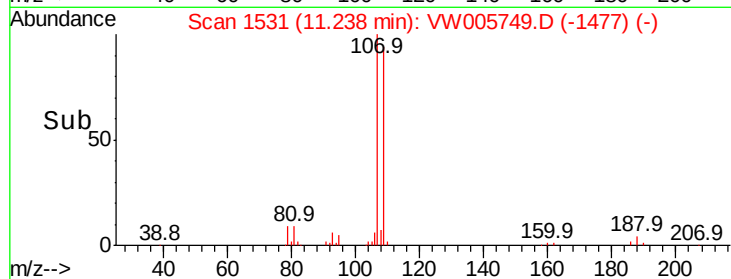
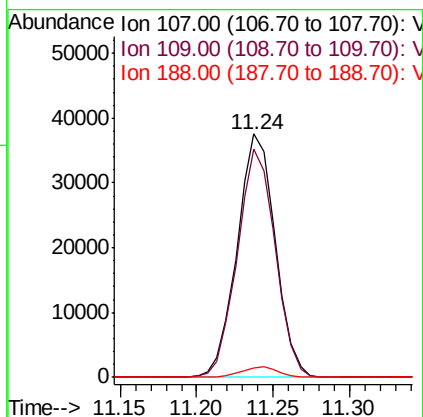
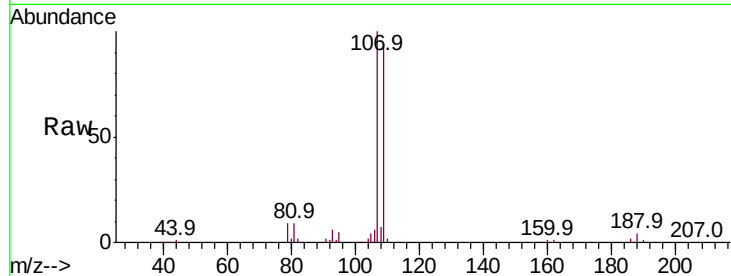




#51
 1,2-Dibromoethane
 Concen: 26.050 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW005749.D
 Acq: 01 Oct 2018 21:12

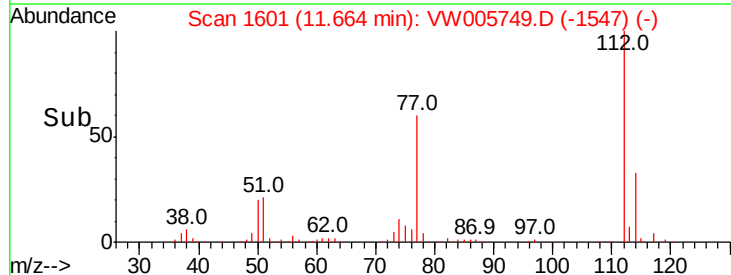
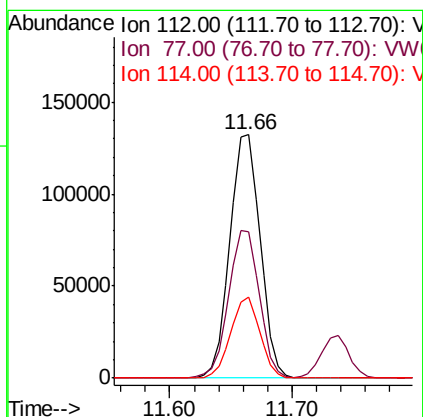
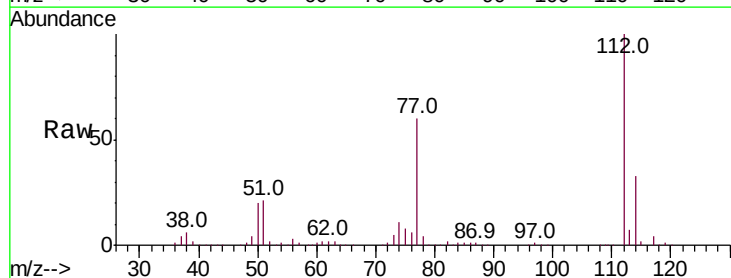
Instrument :
 MSVOA_W
 ClientSampleId :

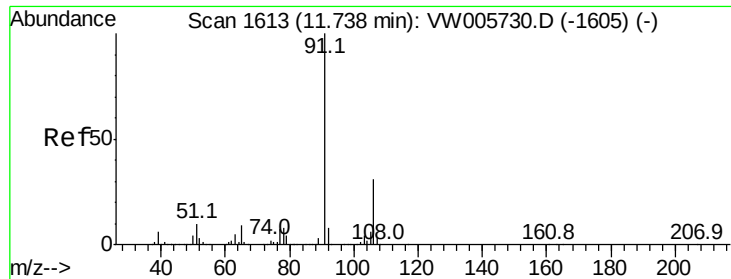
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	70.1	130.3
188	4.0	3.4	5.2



#52
 Chlorobenzene
 Concen: 24.324 ug/L
 RT: 11.66 min Scan# 1601
 Delta R.T. -0.00 min
 Lab File: VW005749.D
 Acq: 01 Oct 2018 21:12

Tgt Ion	Ratio	Lower	Upper
112	100		
77	60.2	46.7	70.1
114	33.3	21.8	40.6

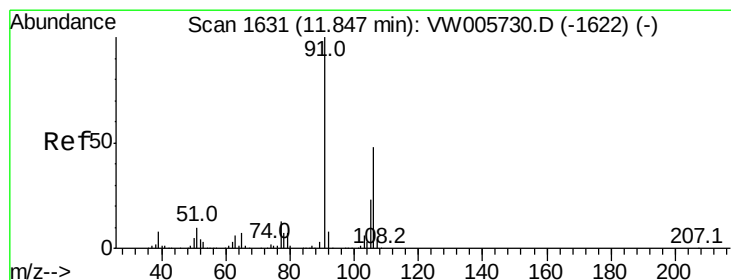
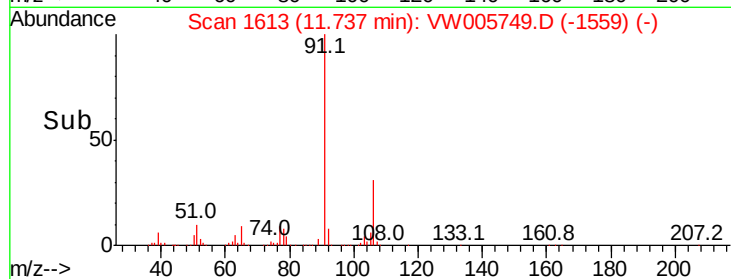
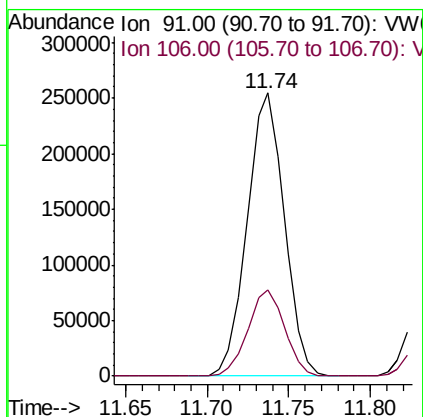
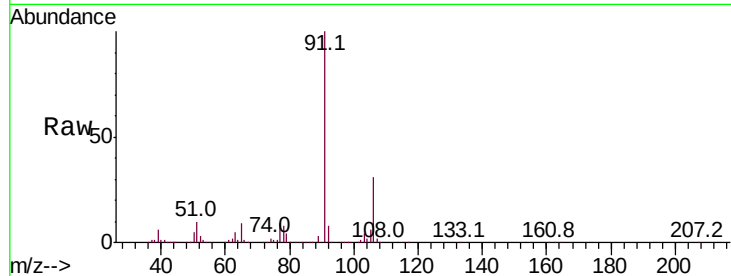




#53
Ethylbenzene
Concen: 24.897 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005749.D
Acq: 01 Oct 2018 21:12

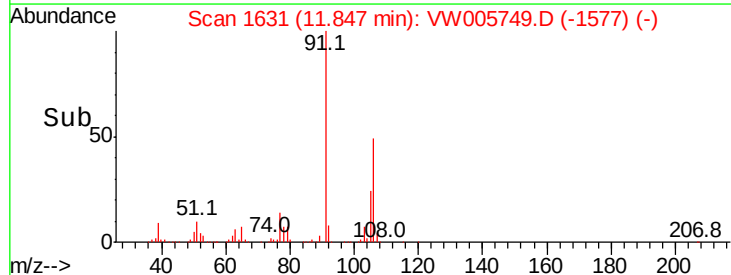
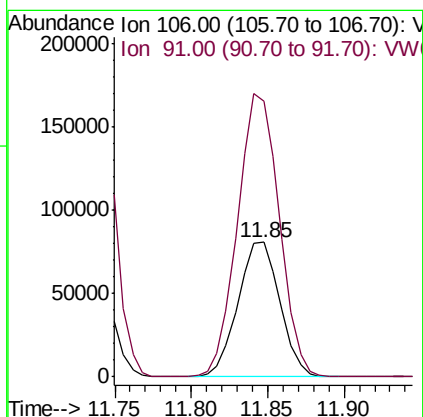
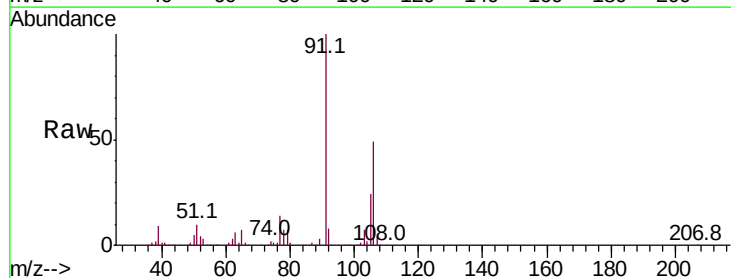
Instrument :
MSVOA_W
ClientSampleId :

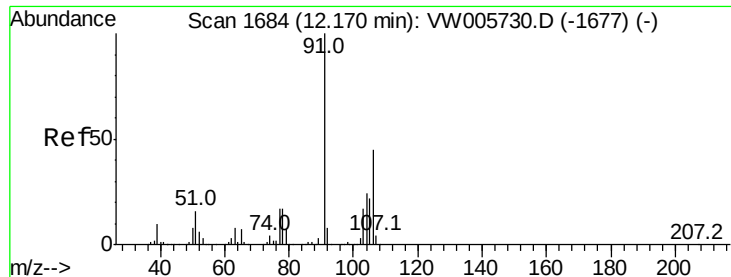
Tot Ion: 91 Resp: 404479
Ion Ratio Lower Upper
91 100
106 30.5 21.5 39.9



#54
m,p-Xylene
Concen: 25.047 ug/L
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW005749.D
Acq: 01 Oct 2018 21:12

Tgt Ion:106 Resp: 153301
Ion Ratio Lower Upper
106 100
91 205.5 147.7 274.3





#55

o-xylene

Concen: 25.045 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

Instrument :

MSVOA_W

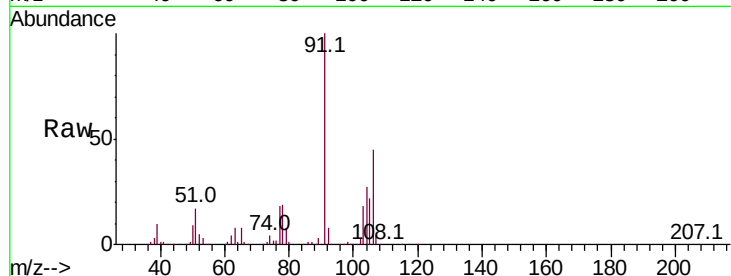
ClientSampled :

Tot Ion:106 Resp: 144480

Ion Ratio Lower Upper

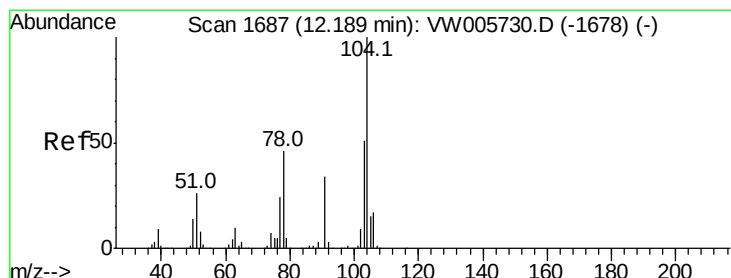
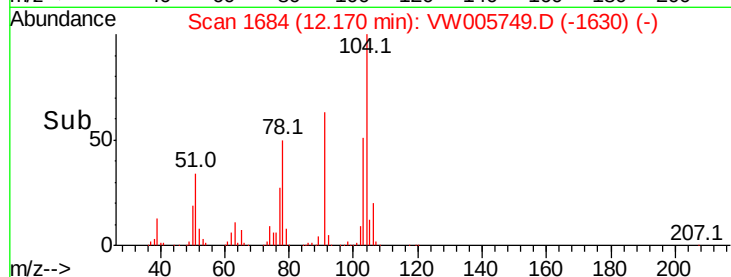
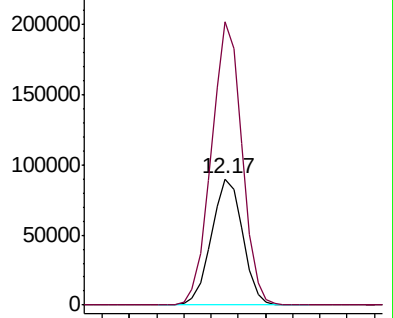
106 100

91 224.4 156.5 290.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.621 ug/L

RT: 12.19 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VW005749.D

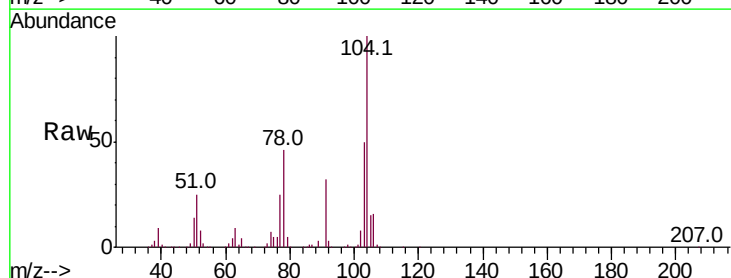
Acq: 01 Oct 2018 21:12

Tgt Ion:104 Resp: 259383

Ion Ratio Lower Upper

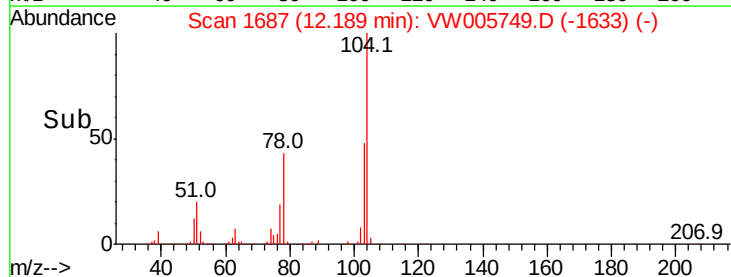
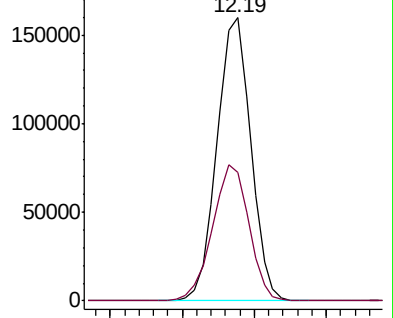
104 100

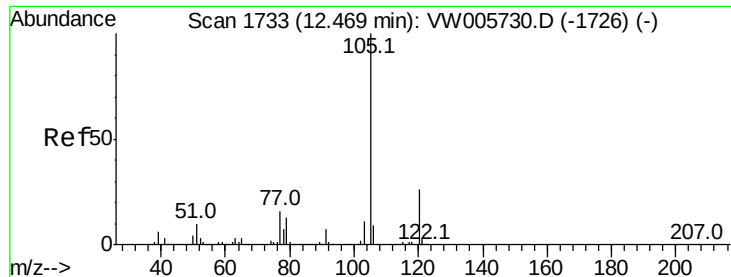
78 45.5 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.139 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

Instrument :

MSVOA_W

ClientSampleId :

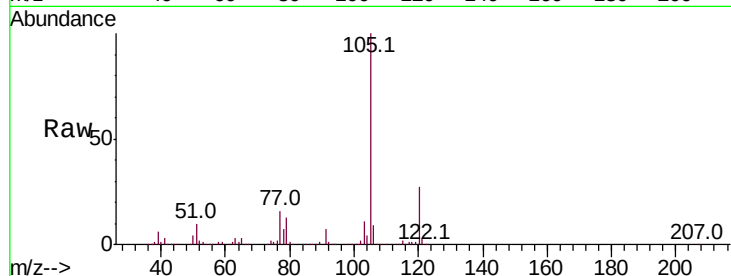
Tot Ion:105 Resp: 414237

Ion Ratio Lower Upper

105 100

120 26.0 20.7 31.1

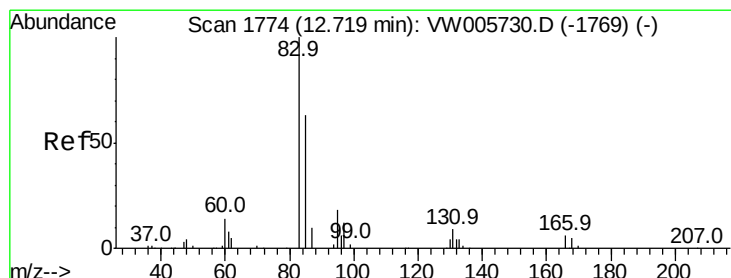
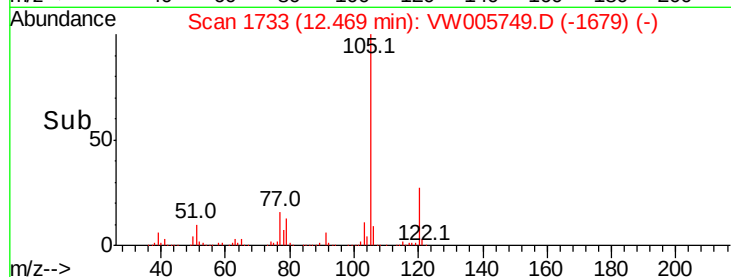
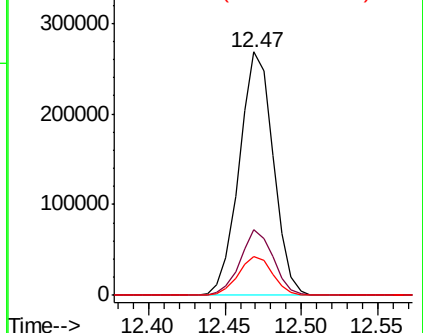
77 16.1 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 28.095 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

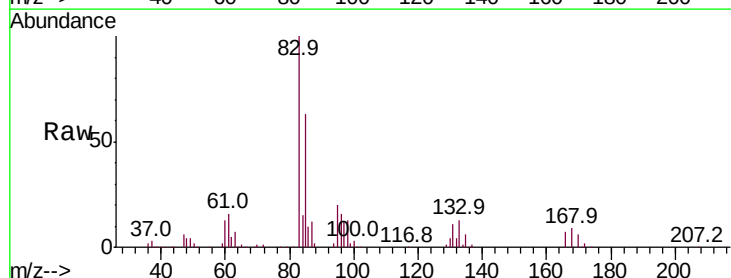
Tgt Ion: 83 Resp: 92540

Ion Ratio Lower Upper

83 100

85 62.8 43.0 80.0

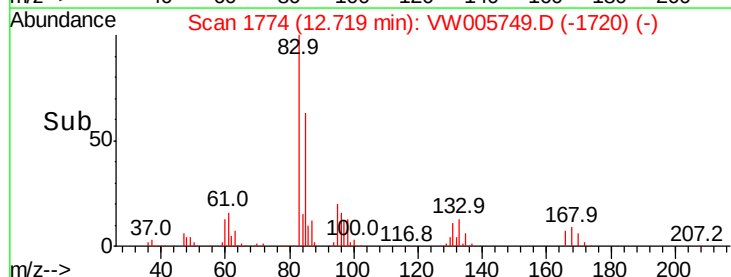
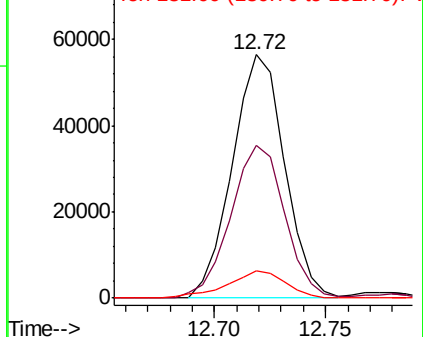
131 11.0 8.0 12.0

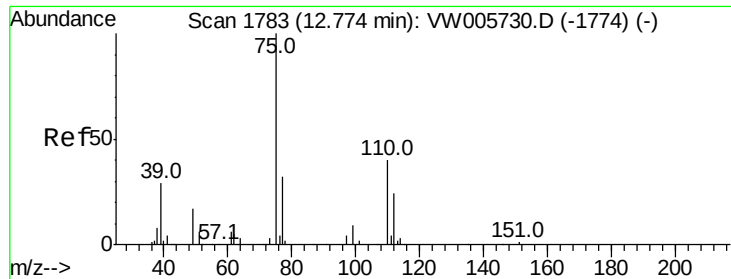


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 28.226 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

Instrument :

MSVOA_W

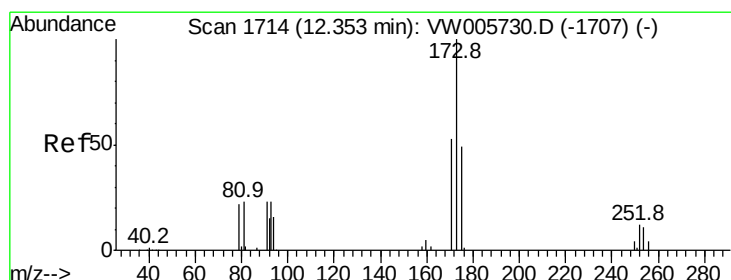
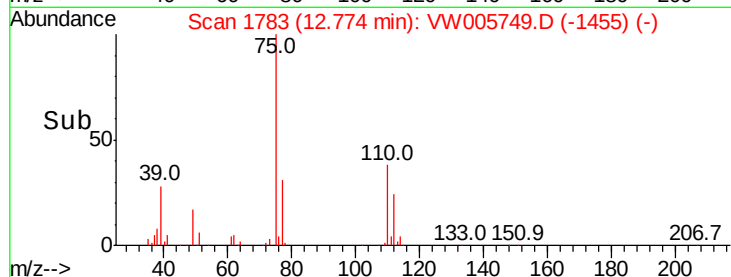
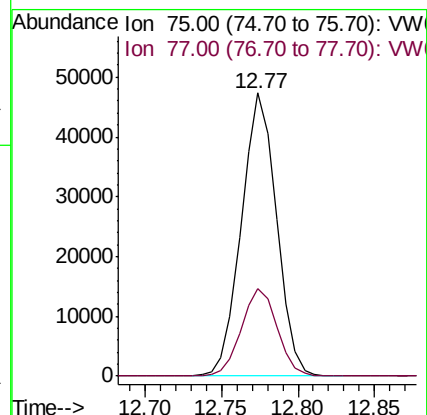
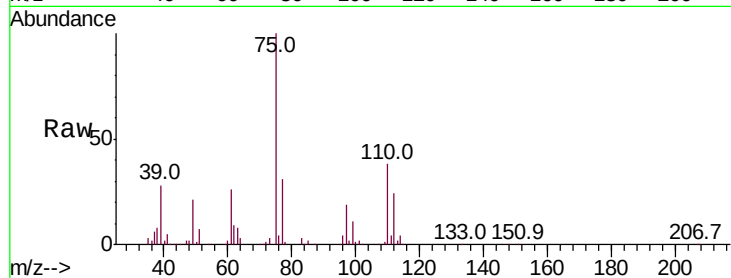
ClientSampled :

Tot Ion: 75 Resp: 75468

Ion Ratio Lower Upper

75 100

77 31.6 25.2 37.8



#62

Bromoform

Concen: 27.126 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

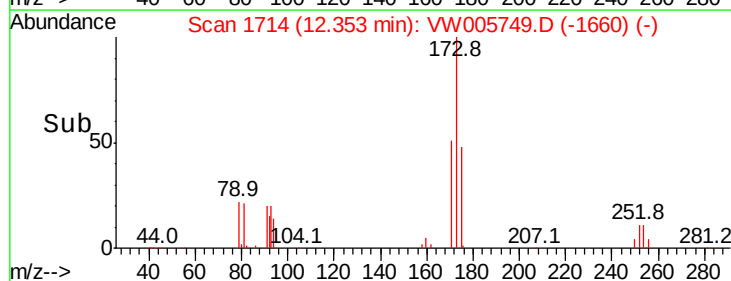
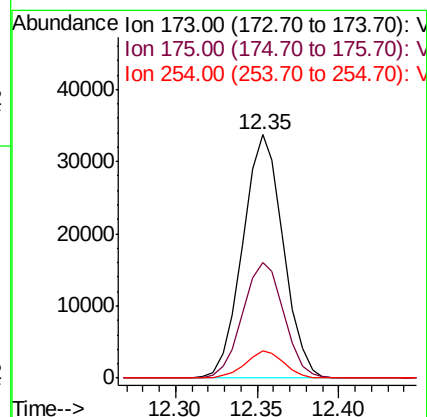
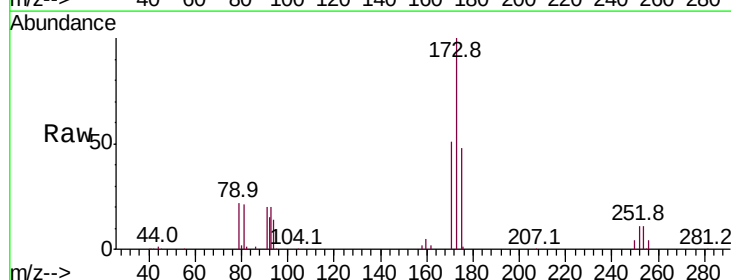
Tgt Ion: 173 Resp: 58254

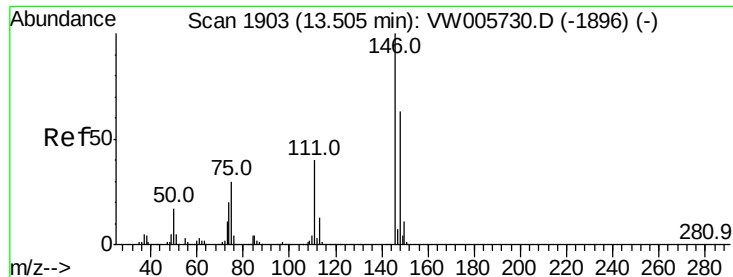
Ion Ratio Lower Upper

173 100

175 48.1 40.0 60.0

254 10.6 8.6 13.0





#63

1,3-Dichlorobenzene

Concen: 24.153 ug/L

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

Instrument :

MSVOA_W

ClientSampled :

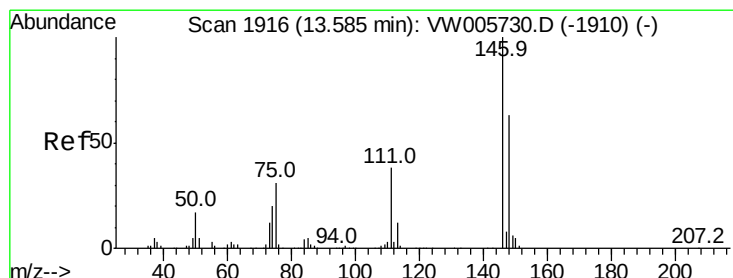
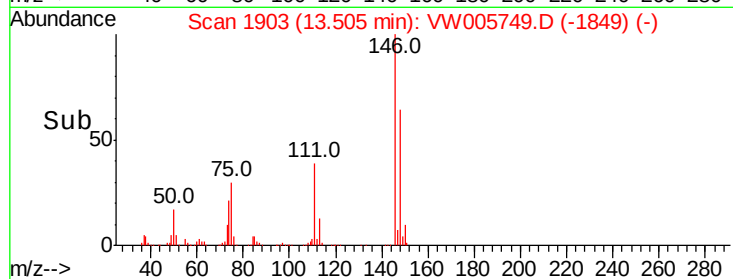
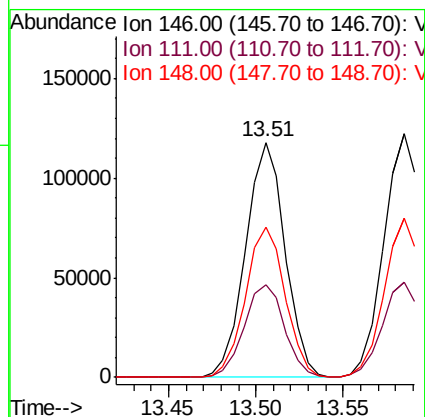
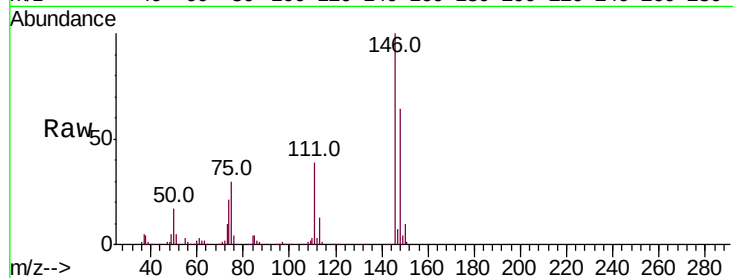
Tot Ion:146 Resp: 185284

Ion Ratio Lower Upper

146 100

111 39.3 27.2 50.6

148 64.0 46.2 85.8



#64

1,4-Dichlorobenzene

Concen: 24.336 ug/L

RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

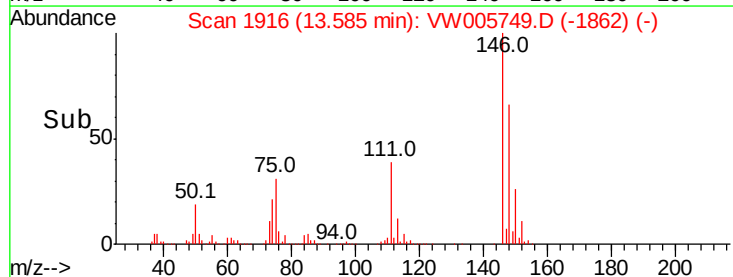
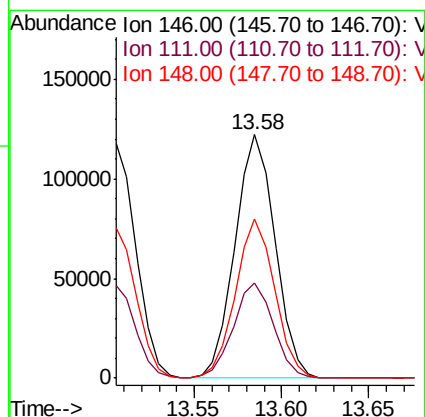
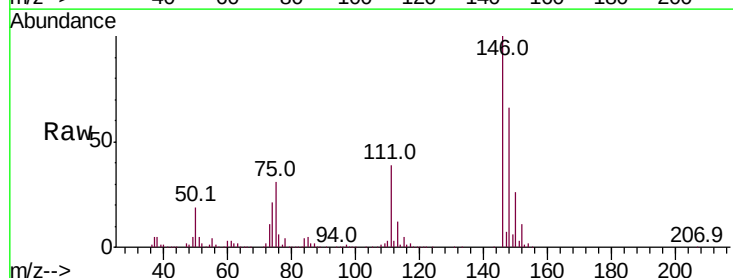
Tgt Ion:146 Resp: 194954

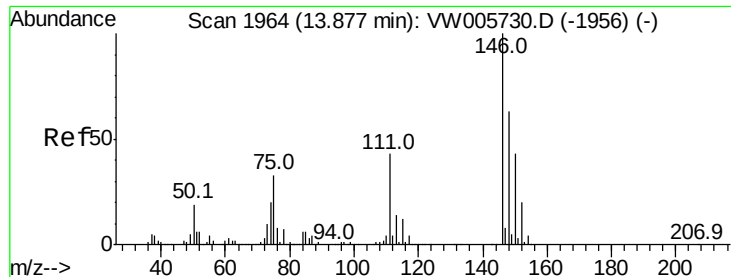
Ion Ratio Lower Upper

146 100

111 39.3 28.4 52.8

148 65.5 46.3 86.1





#65

1,2-Dichlorobenzene

Concen: 24.872 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

Instrument :

MSVOA_W

ClientSampleId :

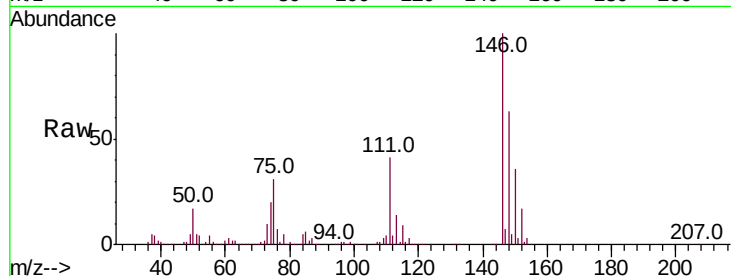
Tot Ion:146 Resp: 183591

Ion Ratio Lower Upper

146 100

111 41.2 34.6 51.8

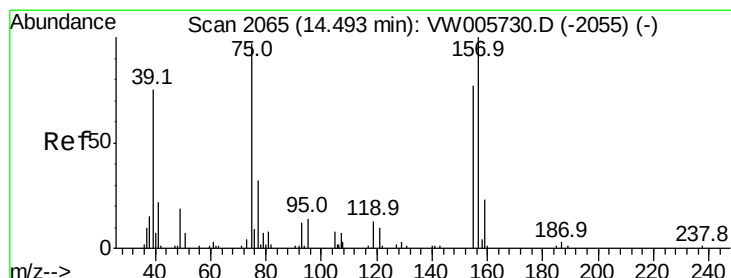
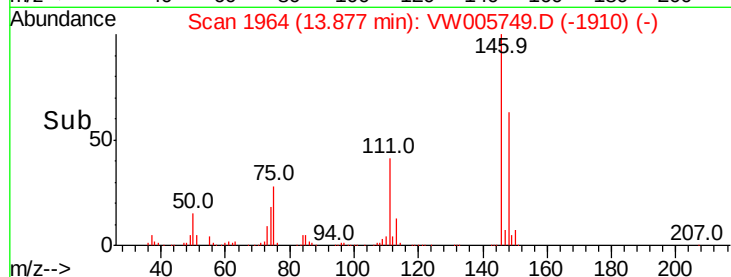
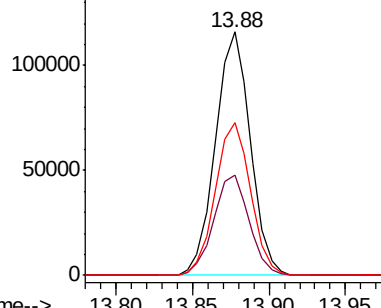
148 62.9 51.5 77.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 28.981 ug/L

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

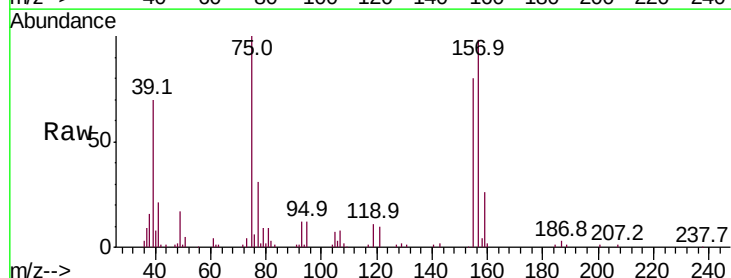
Tgt Ion: 75 Resp: 20340

Ion Ratio Lower Upper

75 100

157 97.9 76.9 115.3

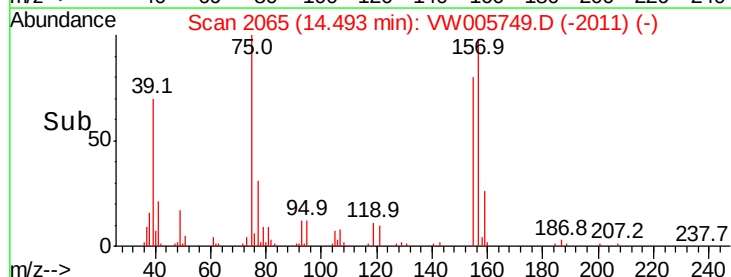
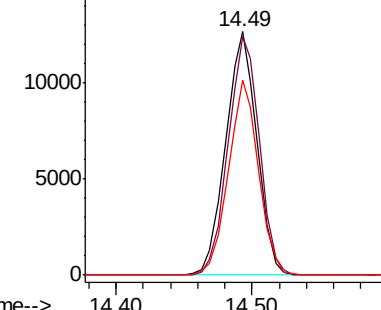
155 80.1 64.2 96.2

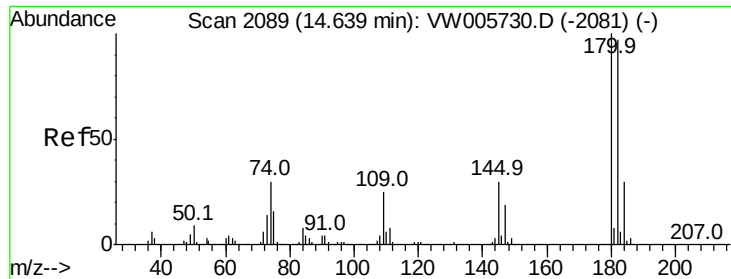


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

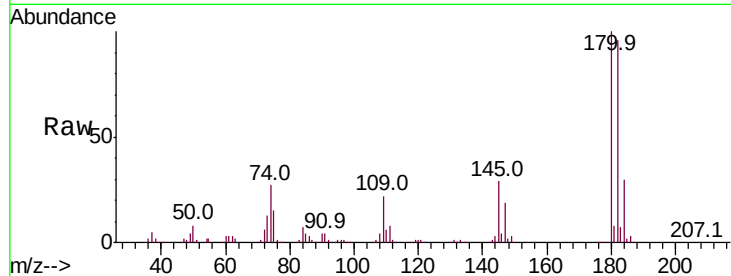




#67
 1,3,5-Trichlorobenzene
 Concen: 24.452 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. -0.00 min
 Lab File: VW005749.D
 Acq: 01 Oct 2018 21:12

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	180	Resp:	153945
Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.7	116.5
184	30.0	24.6	37.0
145	29.4	23.8	35.6



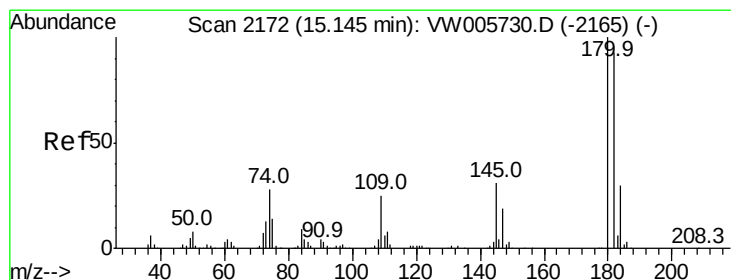
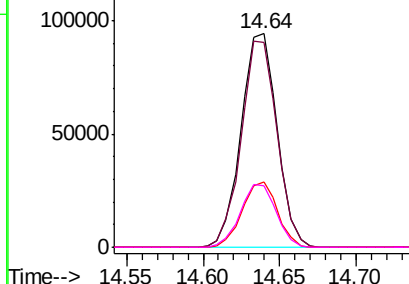
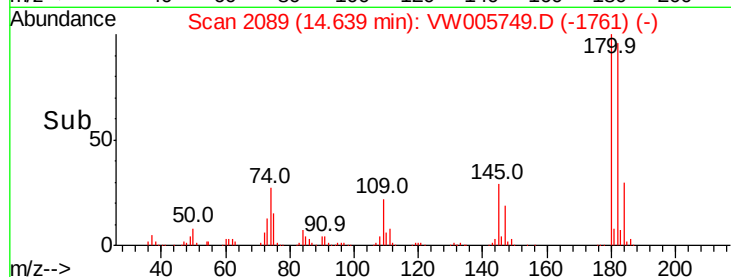
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

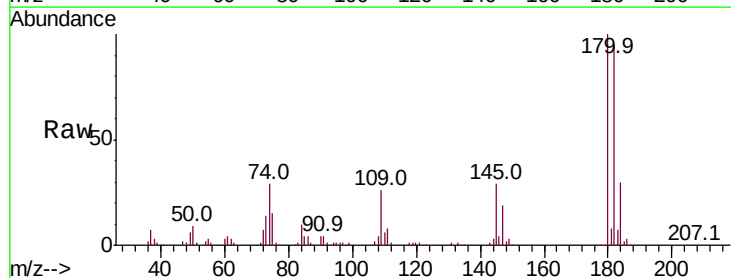
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.550 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW005749.D
 Acq: 01 Oct 2018 21:12

Tgt Ion:	180	Resp:	126968
Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.8	113.6
145	29.9	23.8	35.6

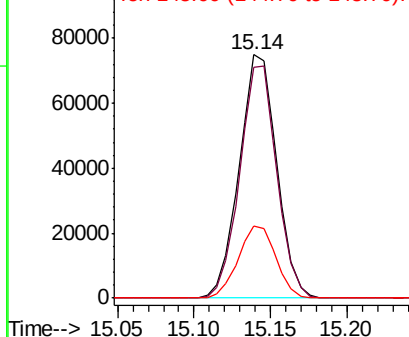
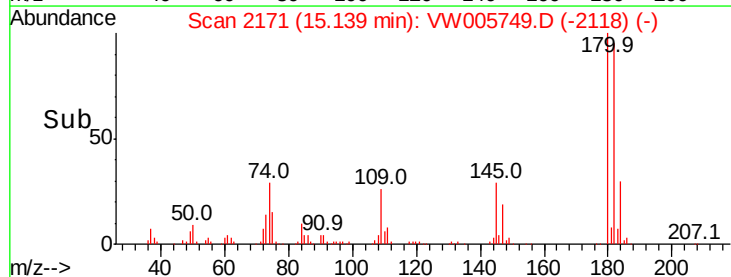


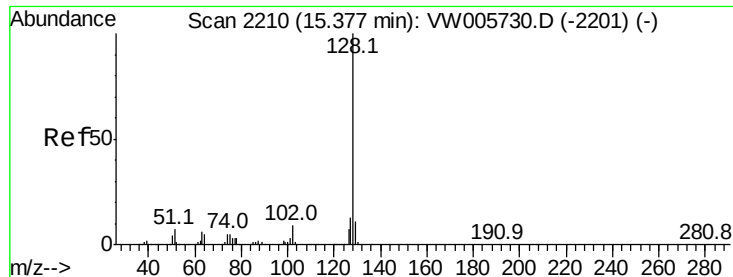
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 27.083 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

Instrument :

MSVOA_W

ClientSampled :

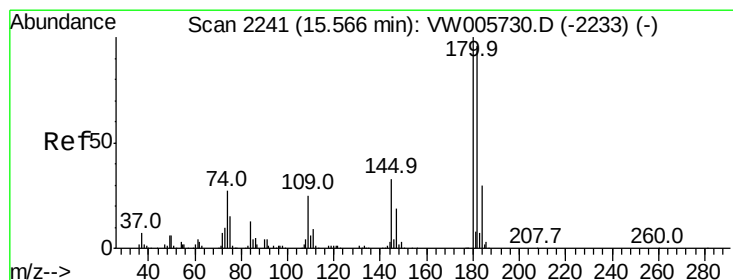
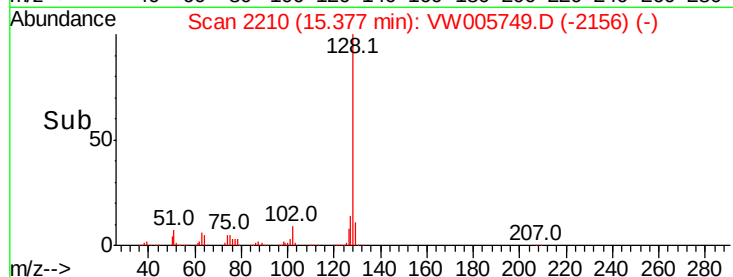
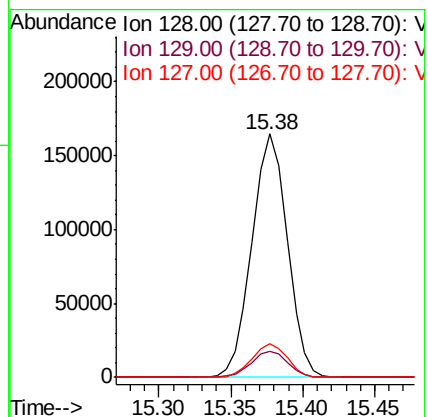
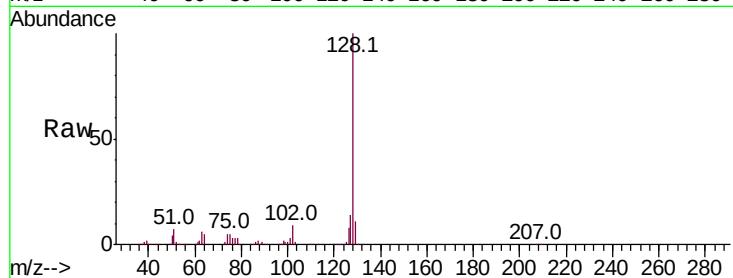
Tot Ion:128 Resp: 280663

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 13.8 11.0 16.4



#70

1,2,3-Trichlorobenzene

Concen: 25.626 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW005749.D

Acq: 01 Oct 2018 21:12

Tgt Ion:180 Resp: 124213

Ion Ratio Lower Upper

180 100

182 95.0 76.8 115.2

145 31.0 25.5 38.3

