

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080918\
 Data File : VW004531.D
 Acq On : 08 Aug 2018 15:27
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 09 02:09:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM080218S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 09 02:02:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	880667	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	859034	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	440868	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	208099	19.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.00%
7) Chloroethane-d5	2.89	69	190650	20.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.76%
10) 1,1-Dichloroethene-d2	4.01	63	490707	22.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.24%
20) 2-Butanone-d5	7.09	46	220075	45.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.14%
24) Chloroform-d	7.65	84	550887	23.11	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.44%
26) 1,2-Dichloroethane-d4	8.31	65	297019	22.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.40%
29) Benzene-d6	8.28	84	1023068	22.39	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.56%
33) 1,2-Dichloropropane-d6	9.28	67	337216	22.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.32%
37) Toluene-d8	10.33	98	900426	22.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.40%
38) trans-1,3-Dichloropropene-	10.58	79	133495	21.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.96%
39) 2-Hexanone-d5	10.93	63	169099	46.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.02%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	374966	23.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.60%
61) 1,2-Dichlorobenzene-d4	13.86	152	377754	22.81	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	222343	24.283	ug/L	93
3) Chloromethane	2.22	50	257555	21.296	ug/L	98
5) Vinyl chloride	2.37	62	395948	25.089	ug/L	97
6) Bromomethane	2.78	94	215027	23.558	ug/L	98
8) Chloroethane	2.93	64	236487	24.977	ug/L	99
9) Trichlorofluoromethane	3.26	101	168142	23.358	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	335949	26.878	ug/L	98
12) 1,1-Dichloroethene	4.04	96	312938	25.627	ug/L	95
13) Acetone	4.14	43	212303	50.736	ug/L	99
14) Carbon disulfide	4.37	76	921894	24.613	ug/L	99
15) Methyl Acetate	4.68	43	199377	23.377	ug/L	98
16) Methylene chloride	4.92	84	427565	24.443	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	423874	25.644	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	318621	25.515	ug/L	97
19) 1,1-Dichloroethane	6.21	63	617802	26.071	ug/L	100
21) 2-Butanone	7.18	43	267687	46.737	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	357201	26.207	ug/L	98

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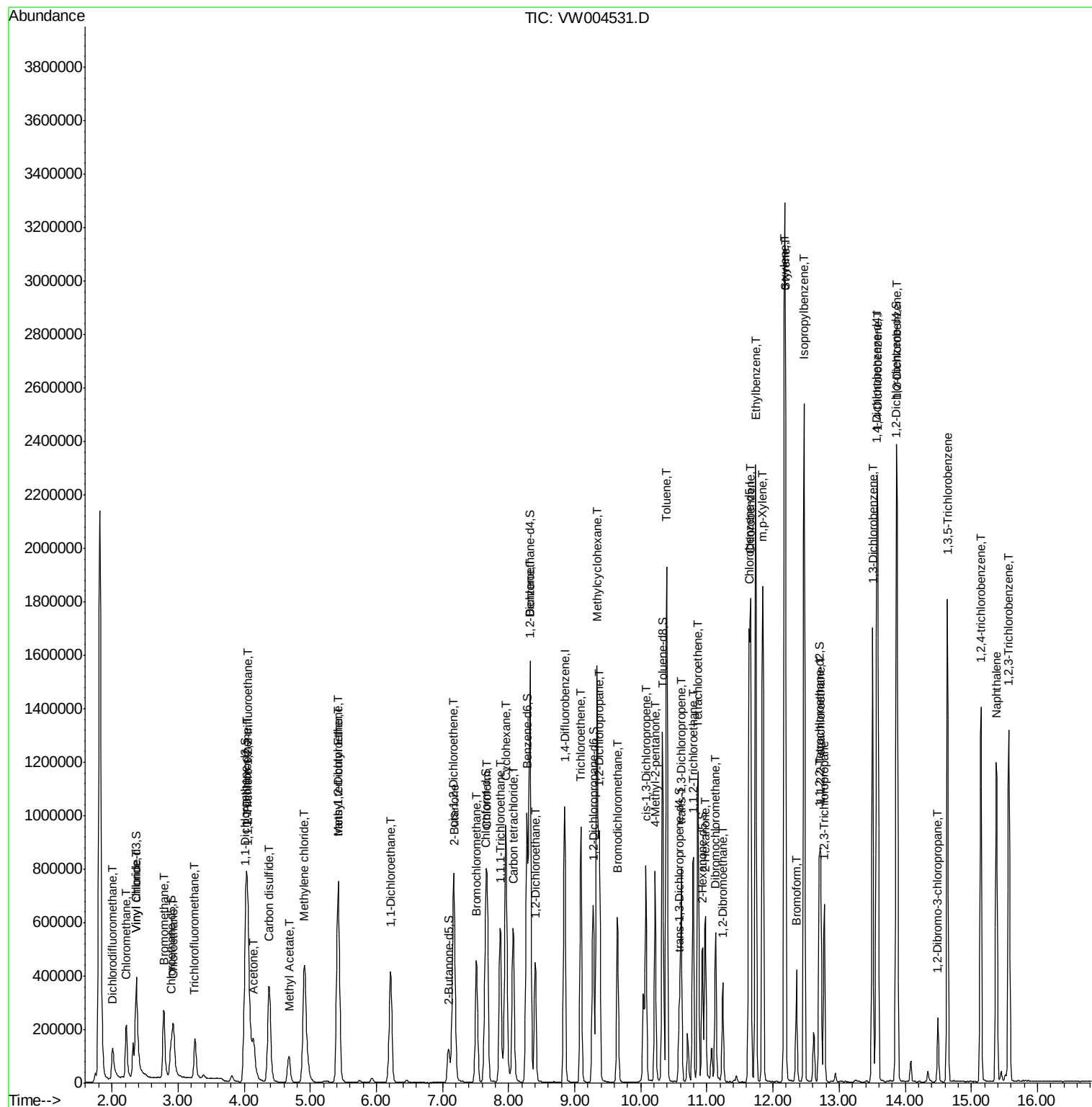
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	164075	25.151	ug/L	98
25) Chloroform	7.68	83	619593	25.616	ug/L	100
27) 1,2-Dichloroethane	8.40	62	401618	24.716	ug/L	100
30) Cyclohexane	7.96	56	548639	27.006	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	478126	26.197	ug/L	100
32) Carbon tetrachloride	8.07	117	451425	25.664	ug/L	100
34) Benzene	8.32	78	1390440	26.252	ug/L	100
35) Trichloroethene	9.09	95	340096	25.529	ug/L	99
36) Methylcyclohexane	9.34	83	624541	26.706	ug/L	99
40) 1,2-Dichloropropane	9.37	63	365730	26.073	ug/L	99
41) Bromodichloromethane	9.65	83	422207	25.057	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	480748	25.053	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	509097	48.404	ug/L	100
44) Toluene	10.39	91	1419434	26.631	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	437154	25.344	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	272486	24.987	ug/L	99
47) Tetrachloroethene	10.87	164	266609	25.293	ug/L	100
49) 2-Hexanone	10.98	43	388296	49.127	ug/L	99
50) Dibromochloromethane	11.13	129	303305	25.072	ug/L	100
51) 1,2-Dibromoethane	11.24	107	255158	24.409	ug/L	98
52) Chlorobenzene	11.66	112	914252	25.364	ug/L	99
53) Ethylbenzene	11.74	91	1583946	26.446	ug/L	99
54) m,p-Xylene	11.85	106	607026	27.166	ug/L	99
55) o-xylene	12.17	106	575669	27.189	ug/L	99
56) Styrene	12.19	104	1022438	27.713	ug/L	99
57) Isopropylbenzene	12.47	105	1605807	28.019	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	386667	24.430	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	289631	24.501	ug/L	100
62) Bromoform	12.35	173	191074	23.847	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	703831	25.657	ug/L	98
64) 1,4-Dichlorobenzene	13.59	146	749742	25.430	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	703662	25.600	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	61514	21.786	ug/L	92
67) 1,3,5-Trichlorobenzene	14.64	180	566365	26.044	ug/L	98
68) 1,2,4-trichlorobenzene	15.15	180	467537	26.575	ug/L	99
69) Naphthalene	15.38	128	1026632	25.588	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	466330	27.218	ug/L	100

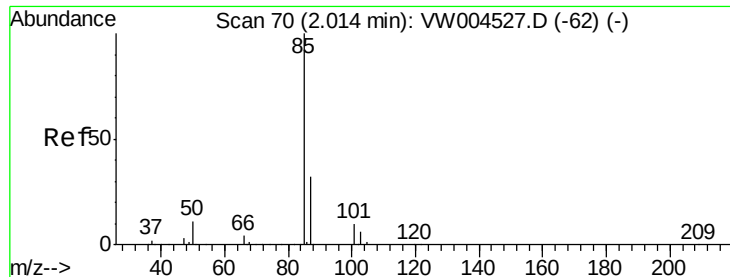
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.283 ug/L

RT: 2.01 min Scan# 69

Delta R.T. -0.01 min

Lab File: VW004531.D

Acq: 08 Aug 2018 15:27

Instrument :

MSVOA_W

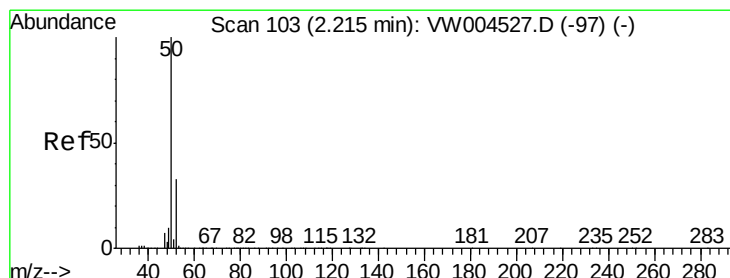
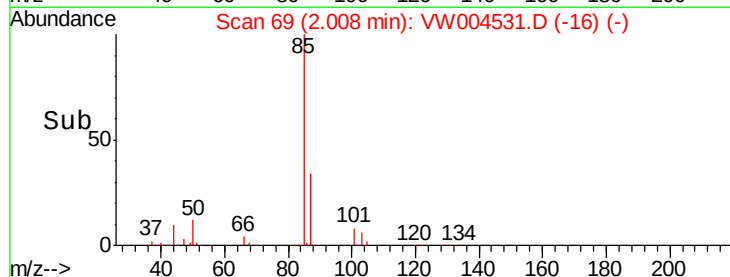
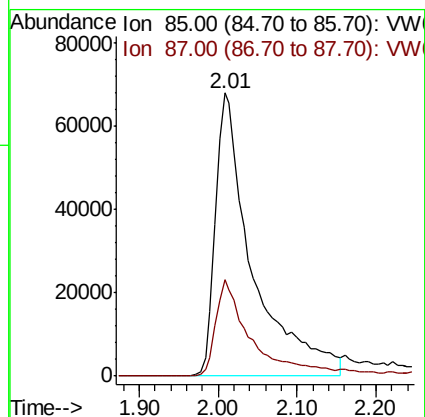
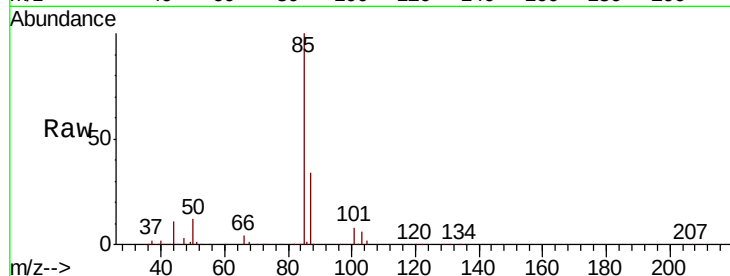
ClientSampleId :

Tot Ion: 85 Resp: 222343

Ion Ratio Lower Upper

85 100

87 32.3 20.2 37.4



#3

Chloromethane

Concen: 21.296 ug/L

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004531.D

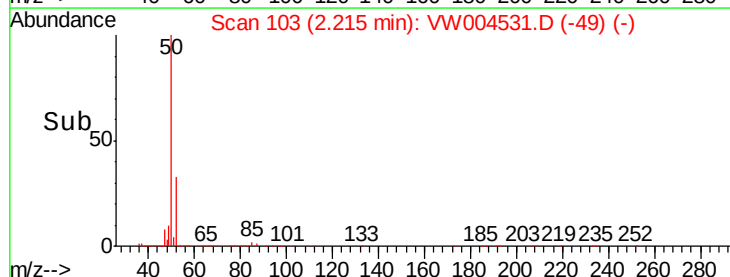
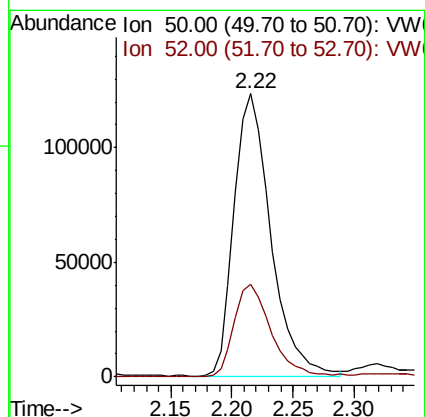
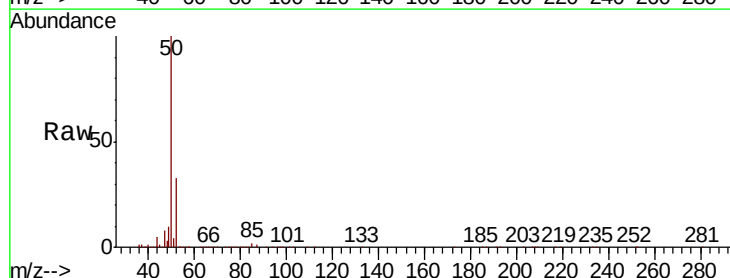
Acq: 08 Aug 2018 15:27

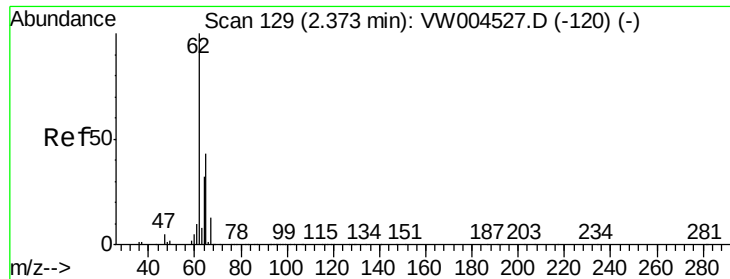
Tgt Ion: 50 Resp: 257555

Ion Ratio Lower Upper

50 100

52 32.6 23.4 43.6





#5

Vinyl chloride

Concen: 25.089 ug/L

RT: 2.37 min Scan# 128

Delta R.T. -0.01 min

Lab File: VW004531.D

Acq: 08 Aug 2018 15:27

Instrument :

MSVOA_W

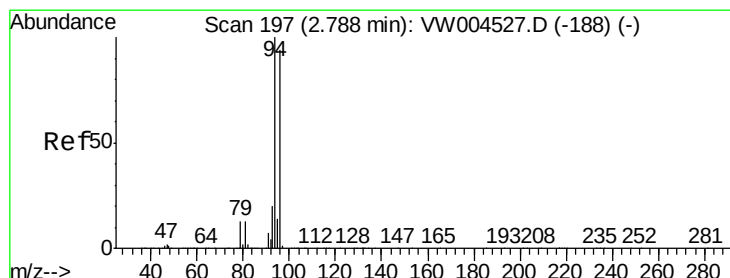
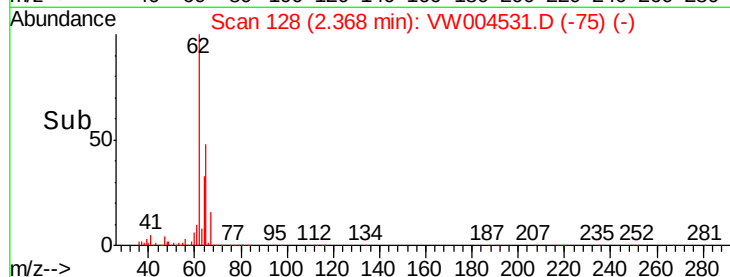
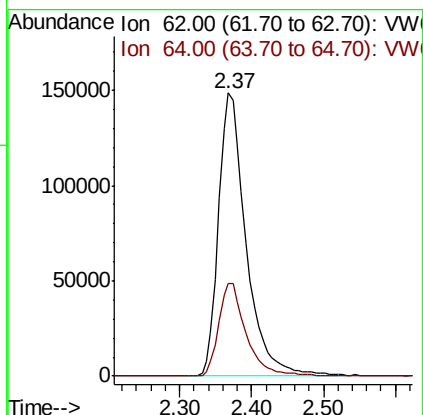
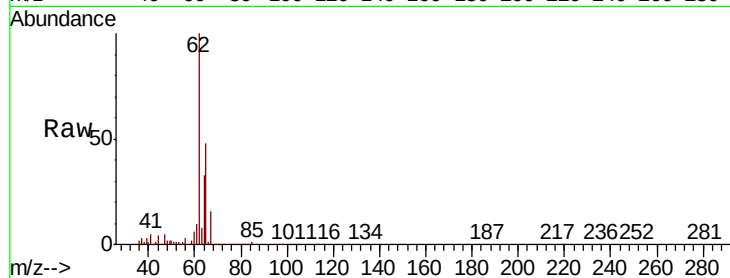
ClientSampleId :

Tot Ion: 62 Resp: 395948

Ion Ratio Lower Upper

62 100

64 32.8 24.0 44.6



#6

Bromomethane

Concen: 23.558 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.01 min

Lab File: VW004531.D

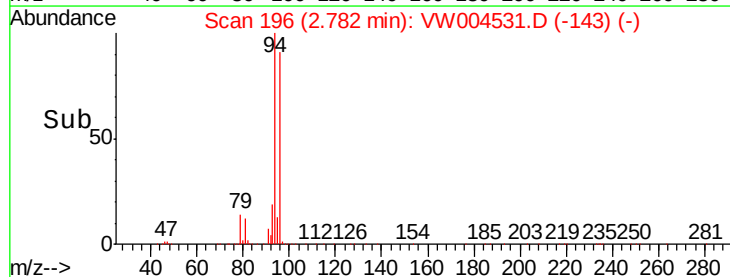
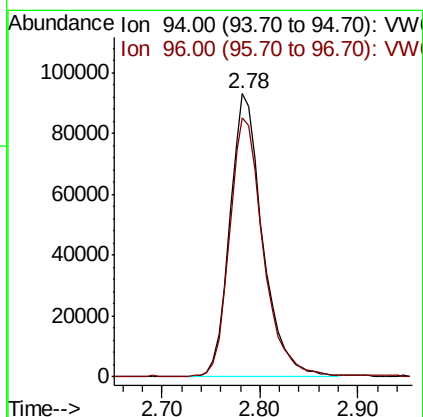
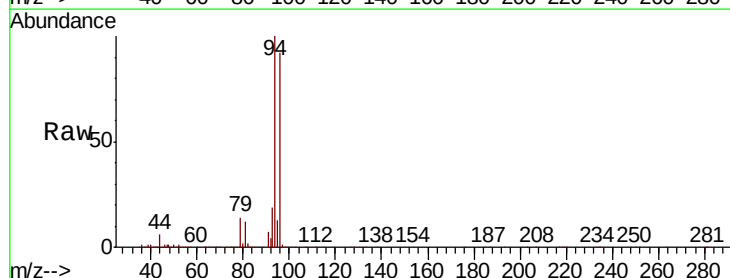
Acq: 08 Aug 2018 15:27

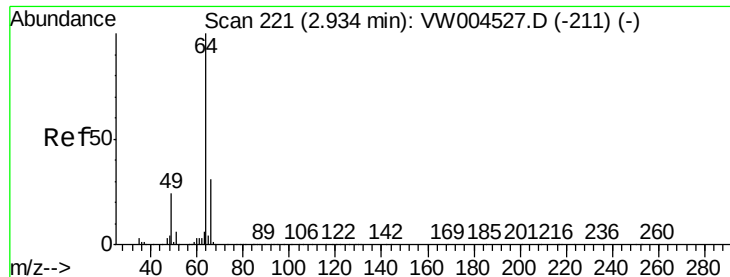
Tgt Ion: 94 Resp: 215027

Ion Ratio Lower Upper

94 100

96 94.3 9.2 175.2





#8

Chloroethane

Concen: 24.977 ug/L

RT: 2.93 min Scan# 220

Delta R.T. -0.01 min

Lab File: VW004531.D

Acq: 08 Aug 2018 15:27

Instrument :

MSVOA_W

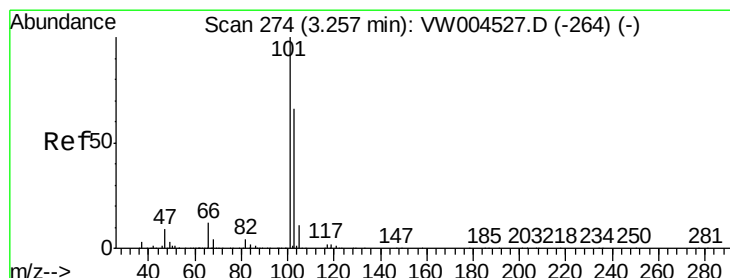
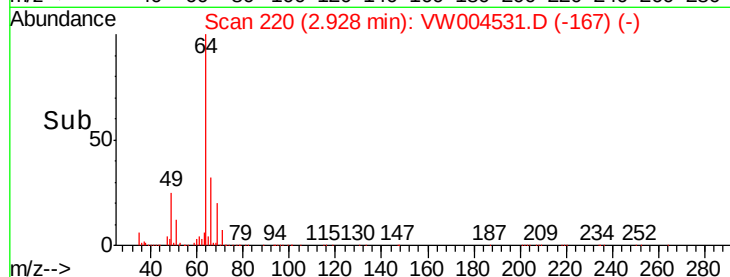
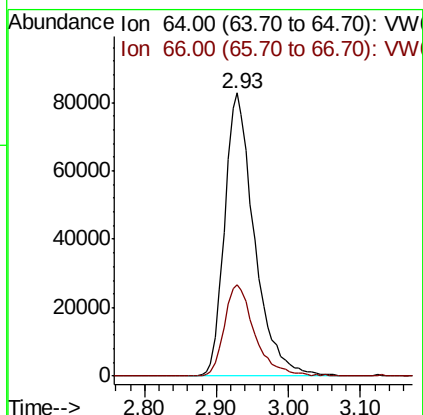
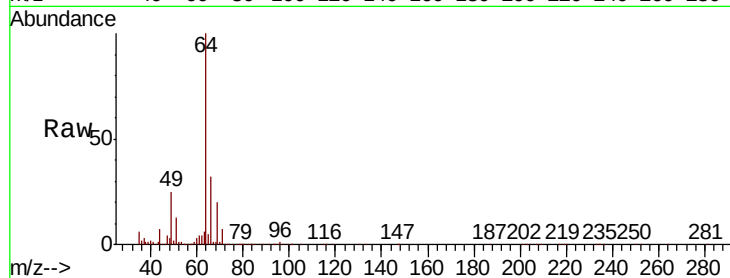
ClientSampleId :

Tot Ion: 64 Resp: 236487

Ion Ratio Lower Upper

64 100

66 32.1 22.8 42.4



#9

Trichlorofluoromethane

Concen: 23.358 ug/L

RT: 3.26 min Scan# 274

Delta R.T. 0.00 min

Lab File: VW004531.D

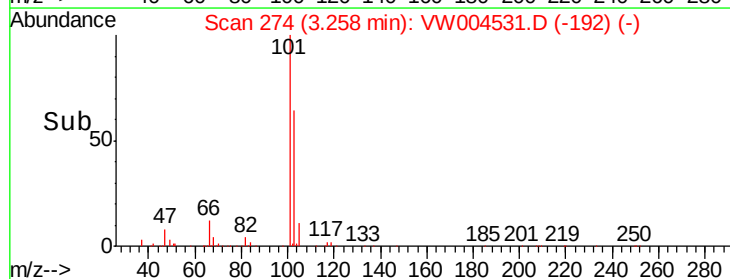
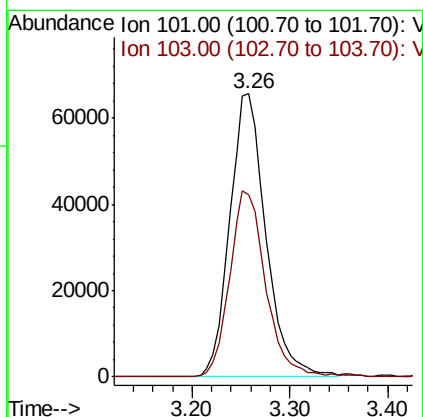
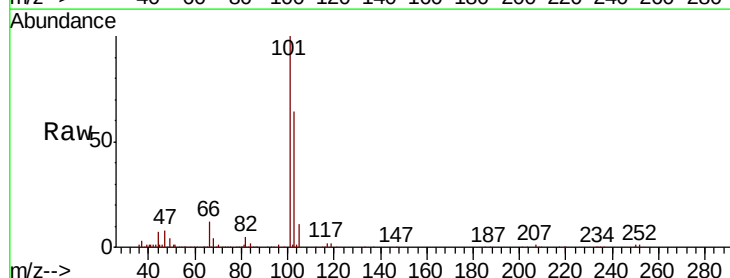
Acq: 08 Aug 2018 15:27

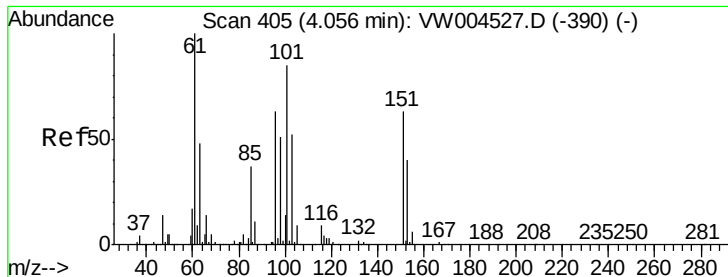
Tgt Ion: 101 Resp: 168142

Ion Ratio Lower Upper

101 100

103 64.9 45.3 84.1





#11

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

Concen: 26.878 ug/L

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW004531.D

Acq: 08 Aug 2018 15:27

Instrument :

MSVOA_W

ClientSampled :

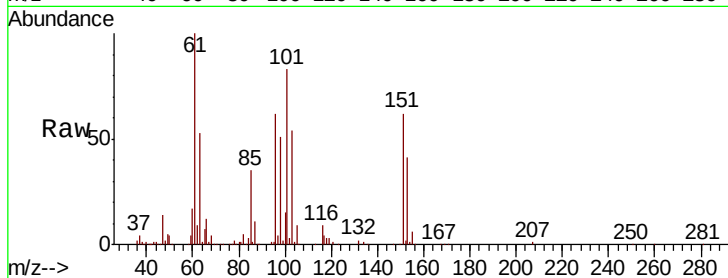
Tot Ion:101 Resp: 335949

Ion Ratio Lower Upper

101 100

85 42.4 35.6 53.4

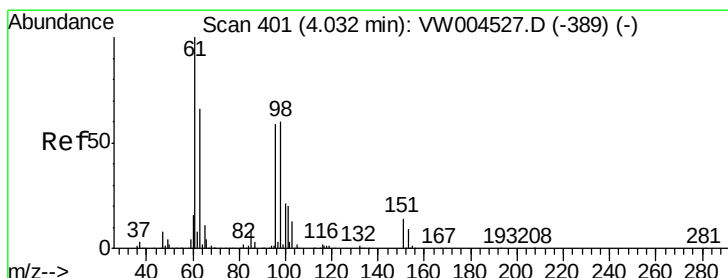
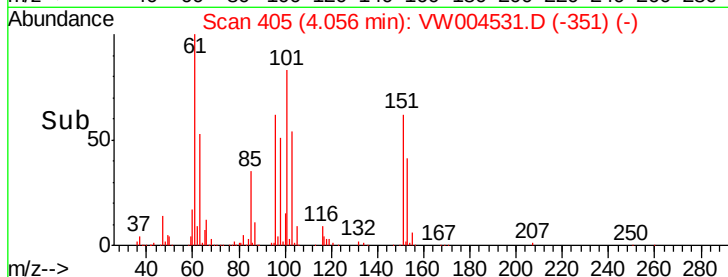
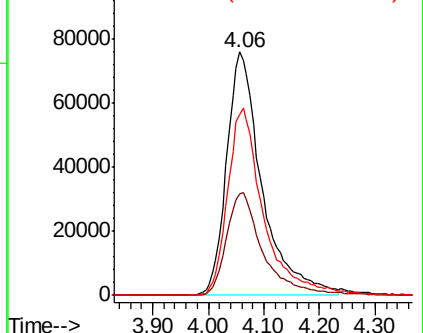
151 76.7 62.6 94.0



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: 25.627 ug/L

RT: 4.04 min Scan# 402

Delta R.T. 0.01 min

Lab File: VW004531.D

Acq: 08 Aug 2018 15:27

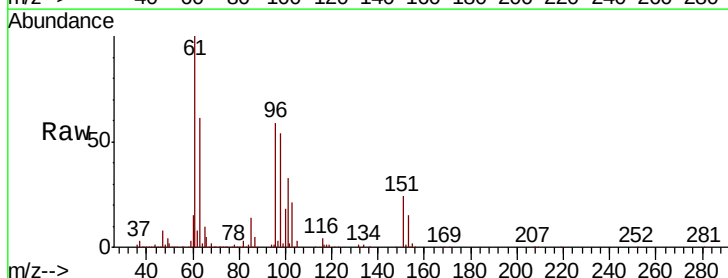
Tgt Ion: 96 Resp: 312938

Ion Ratio Lower Upper

96 100

61 169.9 115.9 215.3

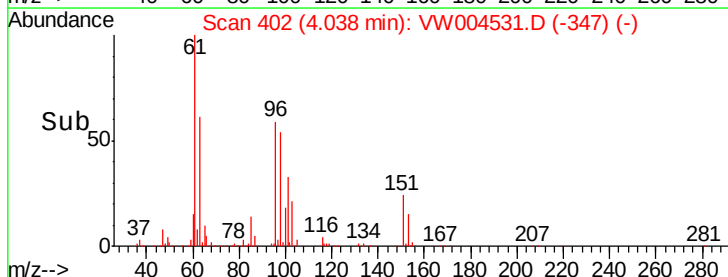
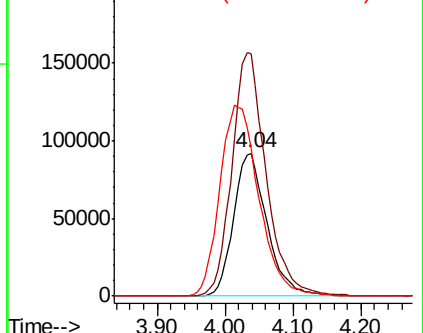
63 103.1 78.0 144.9

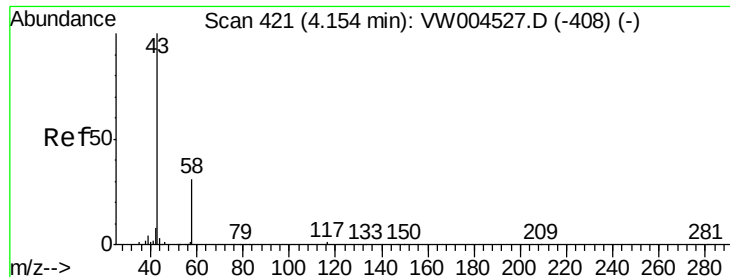


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 50.736 ug/L

RT: 4.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VW004531.D

Acq: 08 Aug 2018 15:27

Instrument :

MSVOA_W

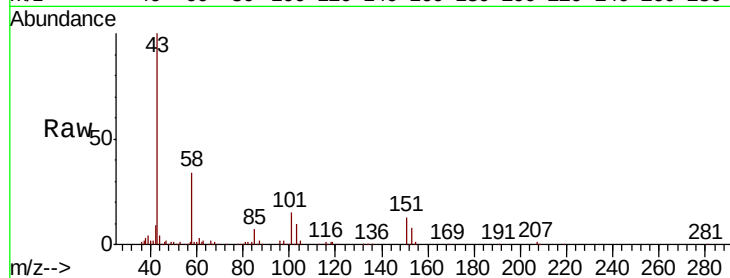
ClientSampleId :

Tot Ion: 43 Resp: 212303

Ion Ratio Lower Upper

43 100

58 32.5 0.0 66.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

60000

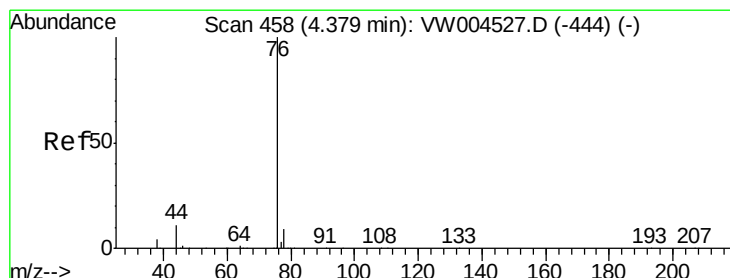
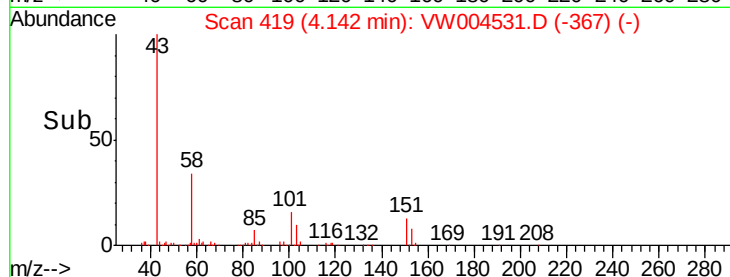
40000

20000

0

Time-->

4.00 4.10 4.20 4.30



#14

Carbon disulfide

Concen: 24.613 ug/L

RT: 4.37 min Scan# 457

Delta R.T. -0.01 min

Lab File: VW004531.D

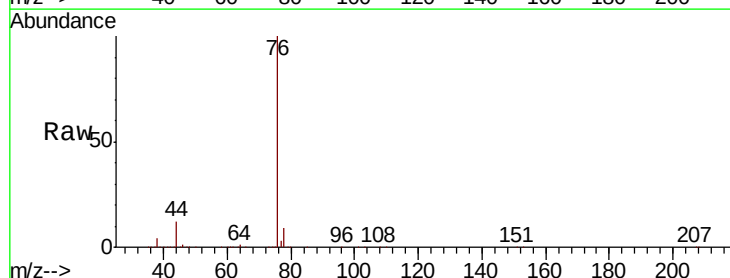
Acq: 08 Aug 2018 15:27

Tgt Ion: 76 Resp: 921894

Ion Ratio Lower Upper

76 100

78 8.7 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.37

300000

250000

200000

150000

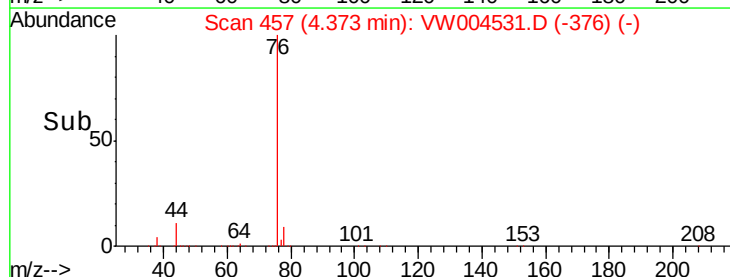
100000

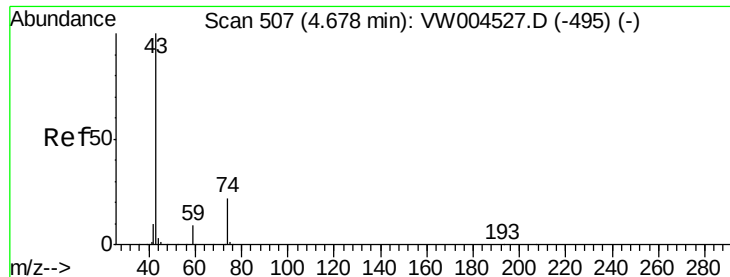
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0

Time-->

4.20 4.30 4.40 4.50 4.60

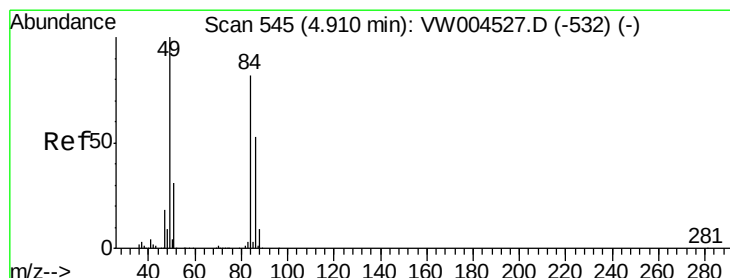
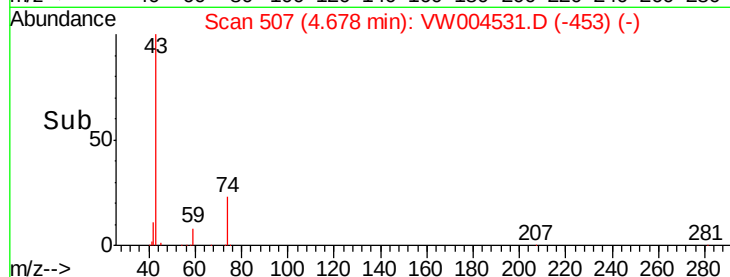
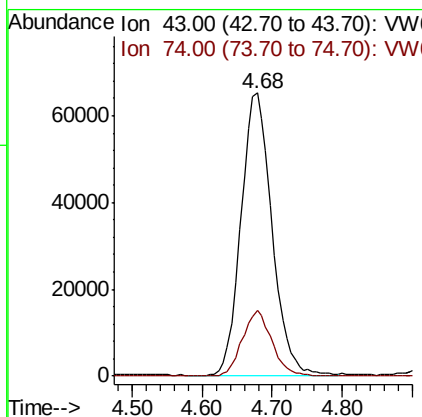
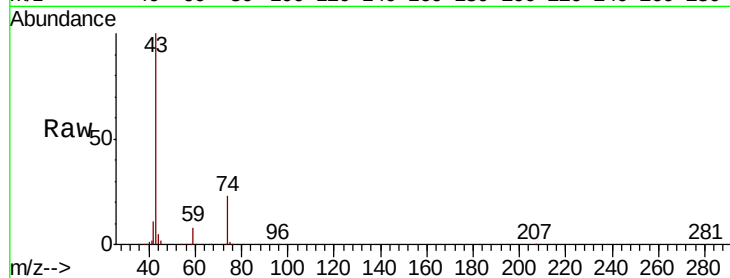




#15
Methvl Acetate
Concen: 23.377 ug/L
RT: 4.68 min Scan# 507
Delta R.T. 0.00 min
Lab File: VW004531.D
Acq: 08 Aug 2018 15:27

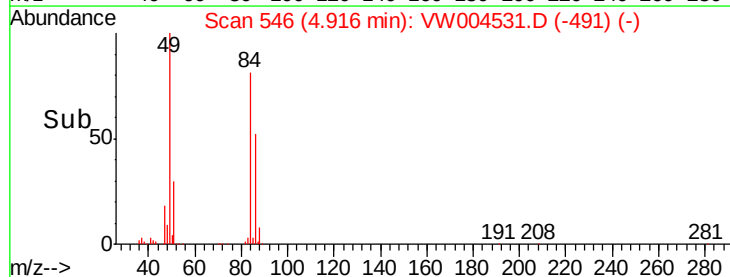
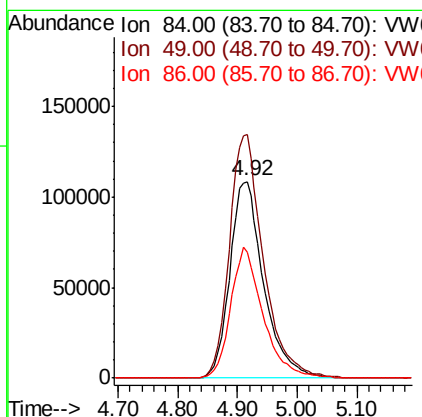
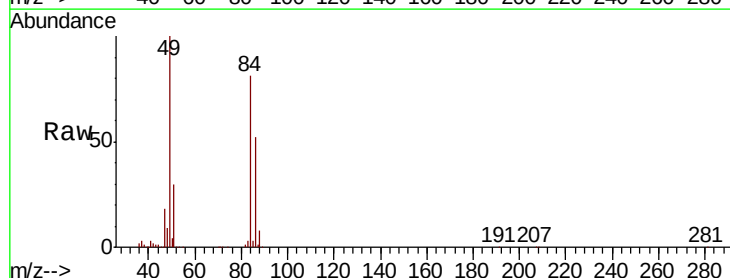
Instrument :
MSVOA_W
ClientSampled :

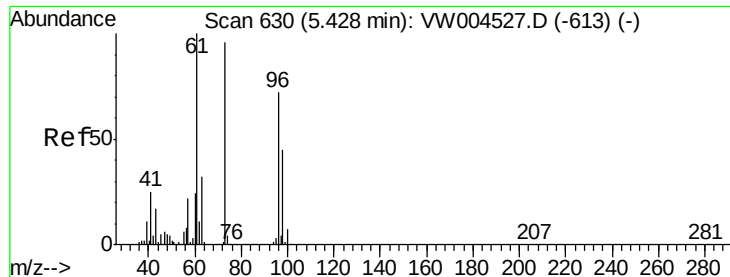
Tot Ion: 43 Resp: 199377
Ion Ratio Lower Upper
43 100
74 22.3 18.6 28.0



#16
Methylene chloride
Concen: 24.443 ug/L
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW004531.D
Acq: 08 Aug 2018 15:27

Tgt Ion: 84 Resp: 427565
Ion Ratio Lower Upper
84 100
49 123.8 86.0 159.6
86 63.9 43.5 80.9

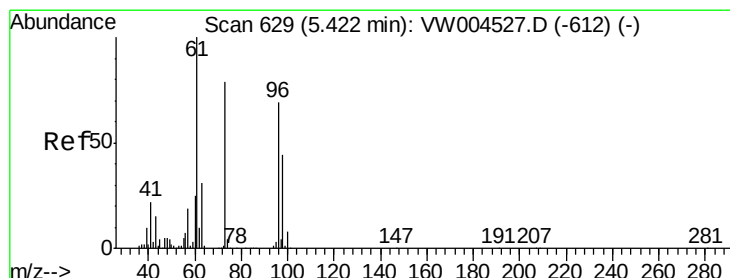
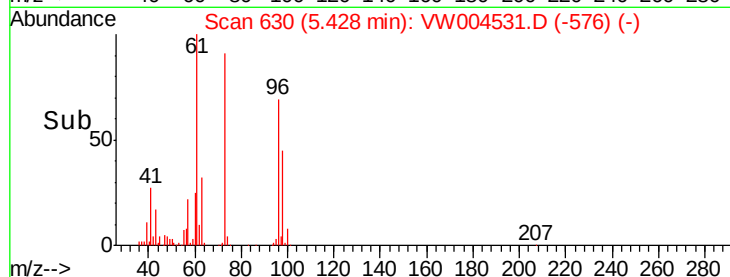
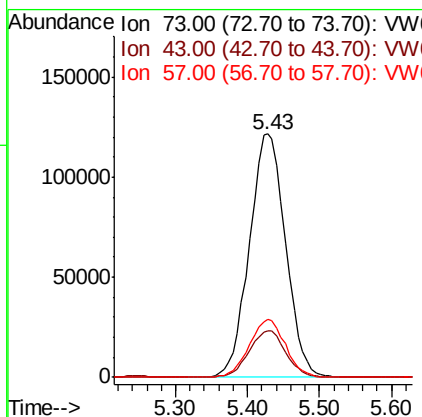
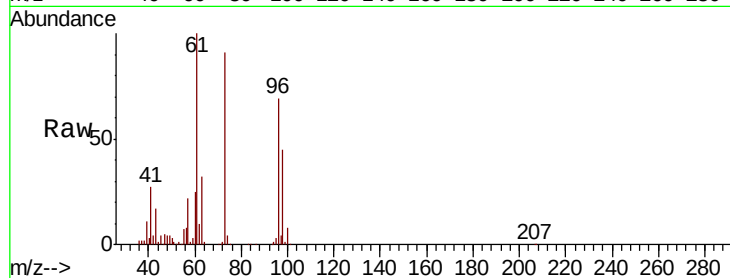




#17
Methyl tert-butyl Ether
Concen: 25.644 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004531.D
Acq: 08 Aug 2018 15:27

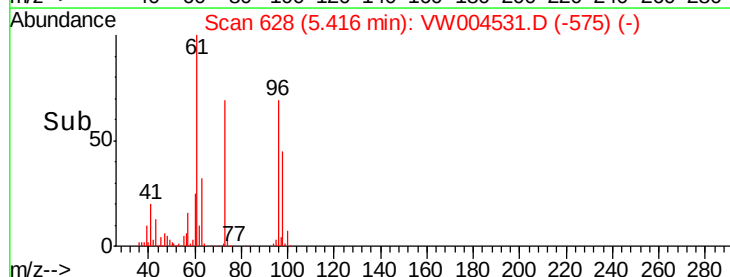
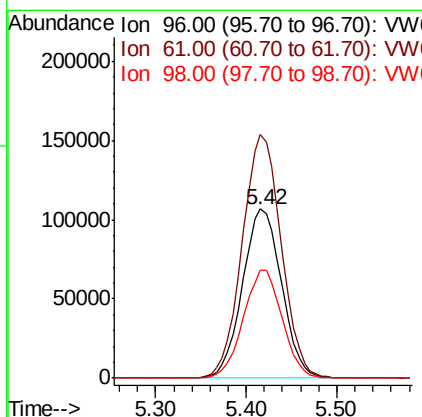
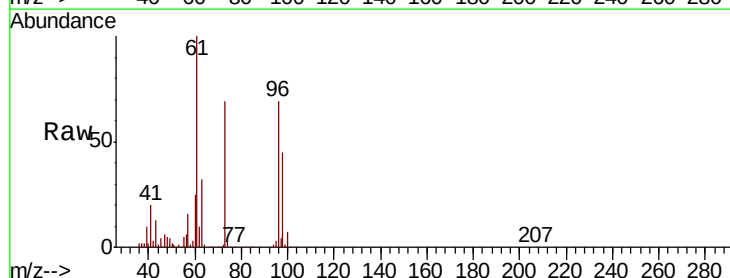
Instrument :
MSVOA_W
ClientSampleId :

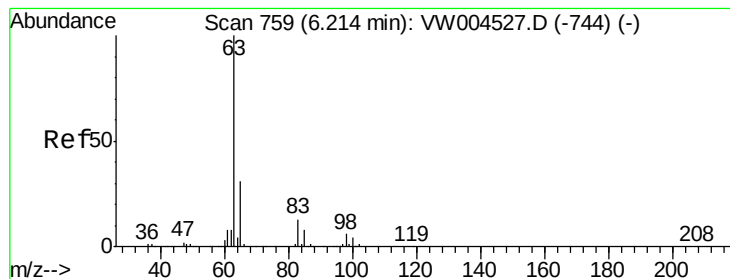
Tot Ion: 73 Resp: 423874
Ion Ratio Lower Upper
73 100
43 19.2 16.2 24.2
57 23.7 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 25.515 ug/L
RT: 5.42 min Scan# 628
Delta R.T. -0.01 min
Lab File: VW004531.D
Acq: 08 Aug 2018 15:27

Tgt Ion: 96 Resp: 318621
Ion Ratio Lower Upper
96 100
61 143.9 97.9 181.7
98 64.2 43.0 79.8





#19

1,1-Dichloroethane

Concen: 26.071 ug/L

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004531.D

Acq: 08 Aug 2018 15:27

Instrument :

MSVOA_W

ClientSampleId :

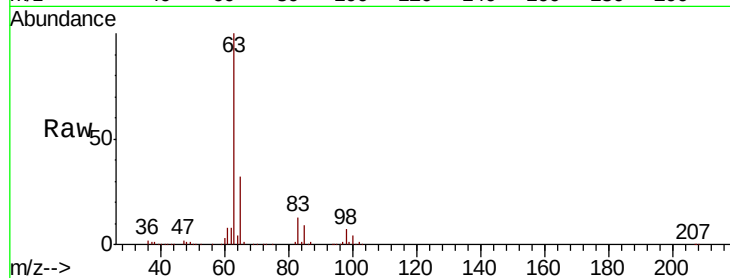
Tot Ion: 63 Resp: 617802

Ion Ratio Lower Upper

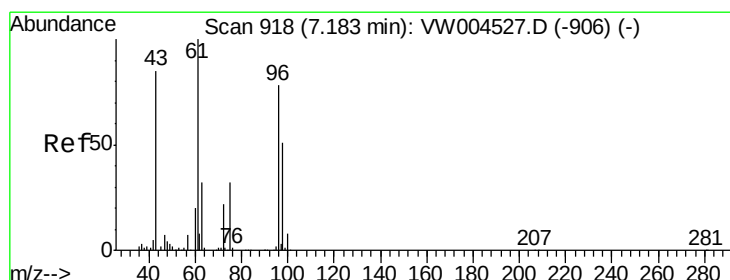
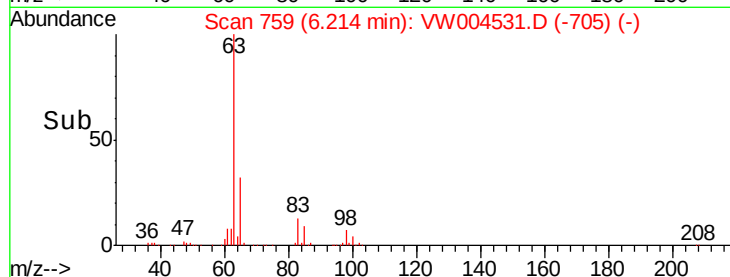
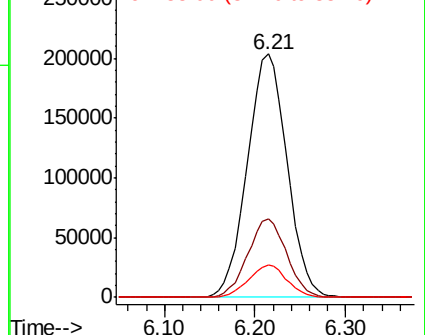
63 100

65 32.0 22.5 41.7

83 13.1 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 46.737 ug/L

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW004531.D

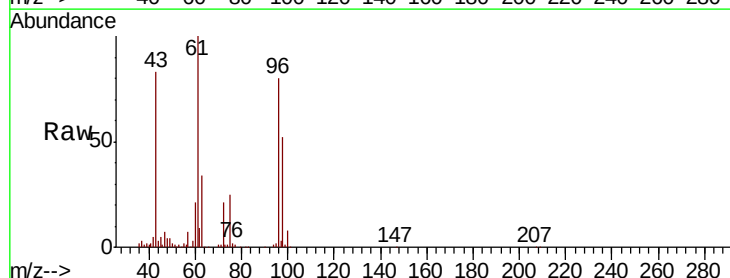
Acq: 08 Aug 2018 15:27

Tgt Ion: 43 Resp: 267687

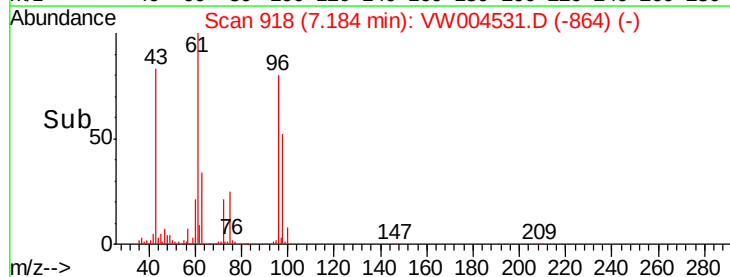
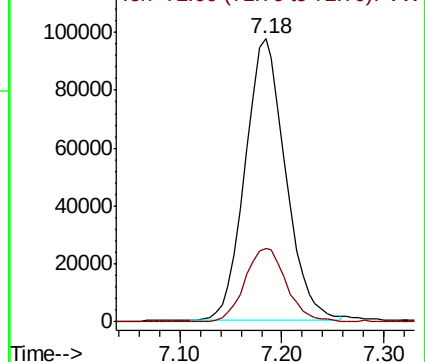
Ion Ratio Lower Upper

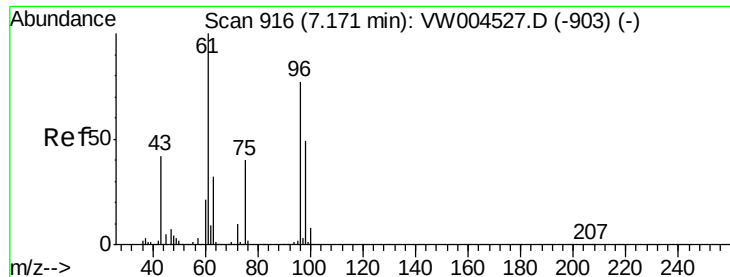
43 100

72 26.9 13.2 39.6



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



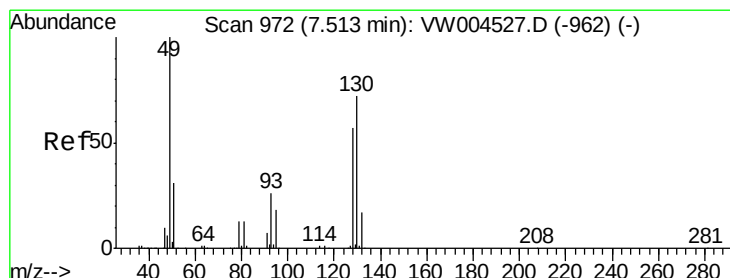
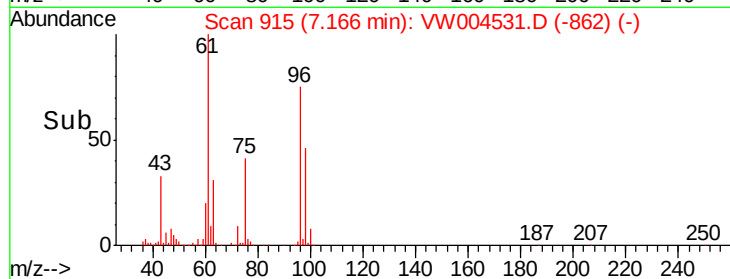
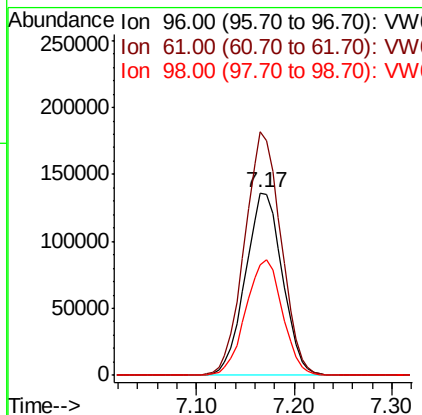
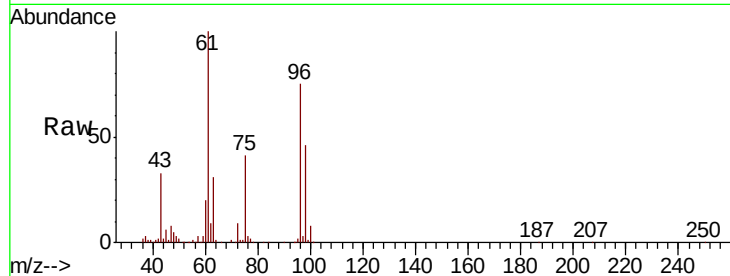


#22

cis-1,2-Dichloroethene
 Concen: 26.207 ug/L
 RT: 7.17 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VW004531.D
 Acq: 08 Aug 2018 15:27

Instrument :
 MSVOA_W
 ClientSampled :

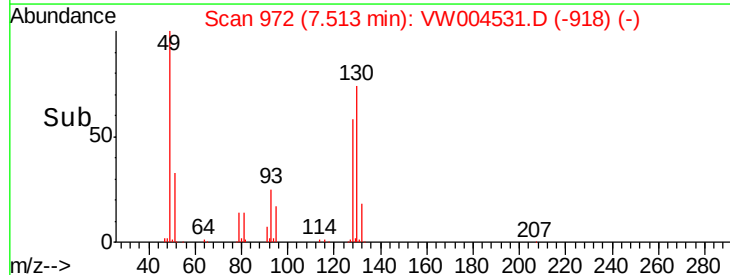
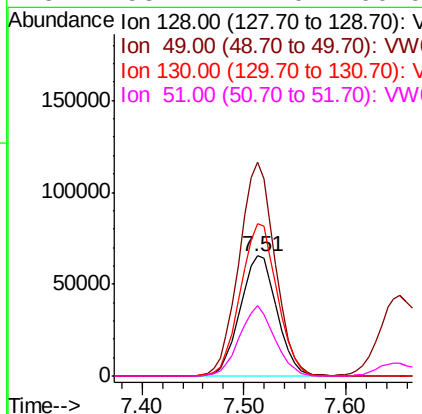
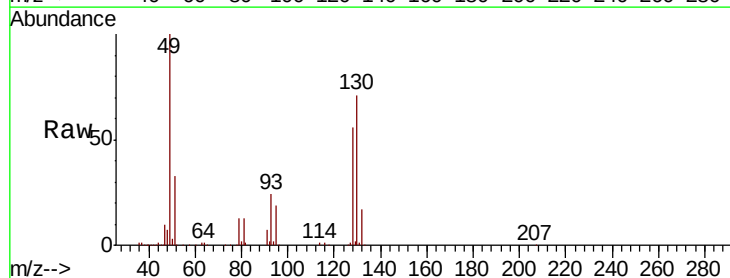
Tot Ion: 96 Resp: 357201
 Ion Ratio Lower Upper
 96 100
 61 133.4 92.5 171.7
 98 60.7 44.1 81.9

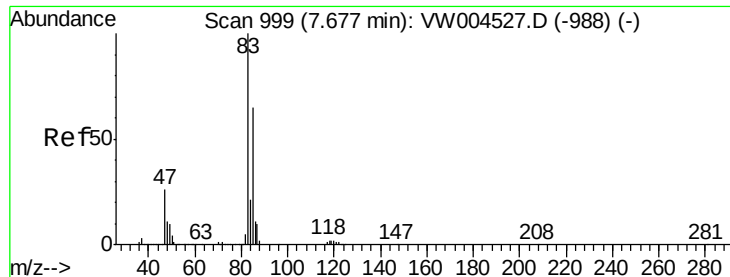


#23

Bromochloromethane
 Concen: 25.151 ug/L
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004531.D
 Acq: 08 Aug 2018 15:27

Tgt Ion: 128 Resp: 164075
 Ion Ratio Lower Upper
 128 100
 49 178.2 122.0 226.6
 130 127.2 88.8 164.8
 51 58.4 44.0 66.0

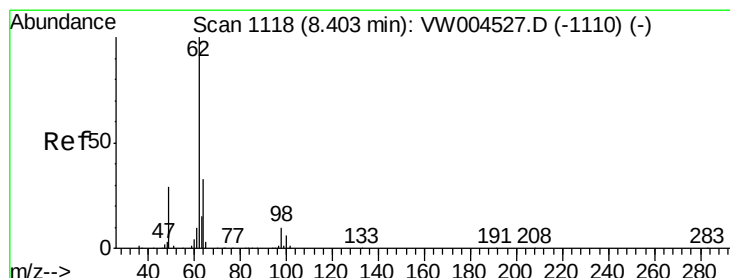
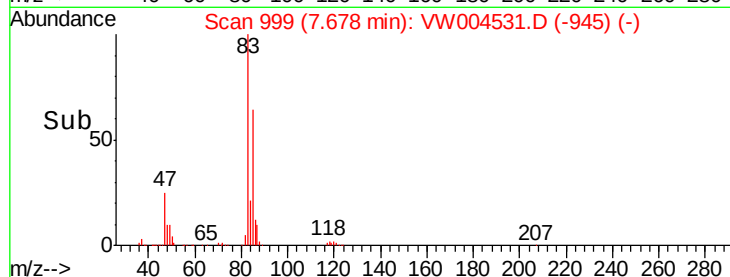
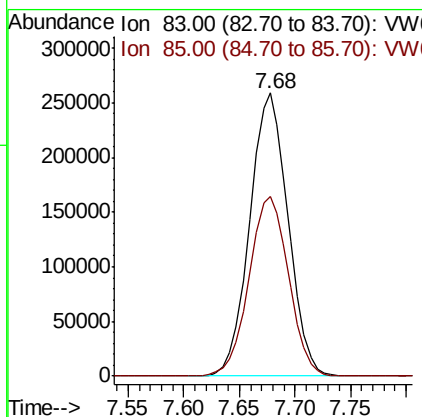
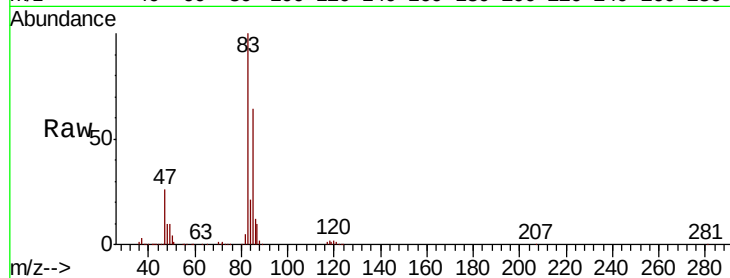




#25
Chloroform
Concen: 25.616 ug/L
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004531.D
Acq: 08 Aug 2018 15:27

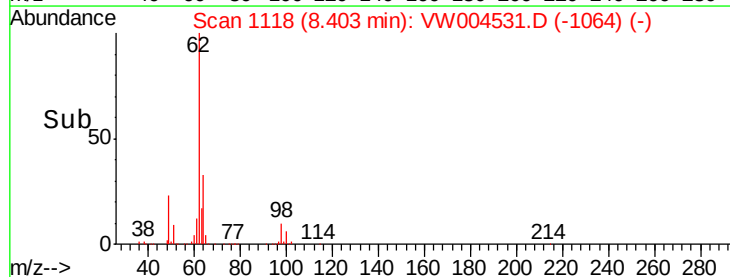
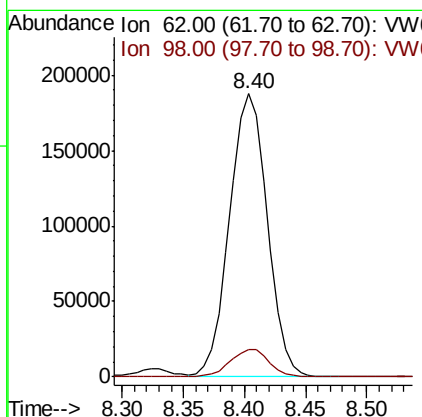
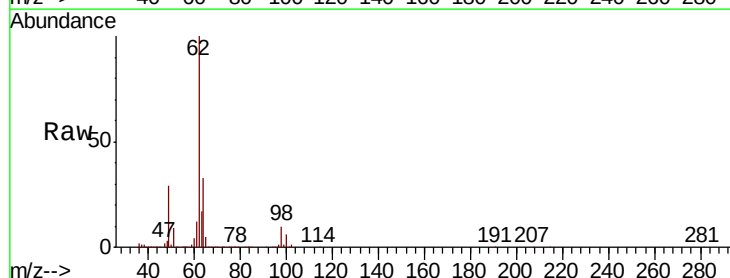
Instrument :
MSVOA_W
ClientSampled :

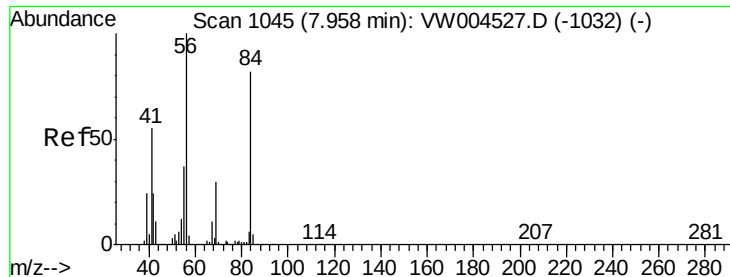
Tot Ion: 83 Resp: 619593
Ion Ratio Lower Upper
83 100
85 65.7 45.7 84.9



#27
1,2-Dichloroethane
Concen: 24.716 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004531.D
Acq: 08 Aug 2018 15:27

Tgt Ion: 62 Resp: 401618
Ion Ratio Lower Upper
62 100
98 9.5 7.6 11.4

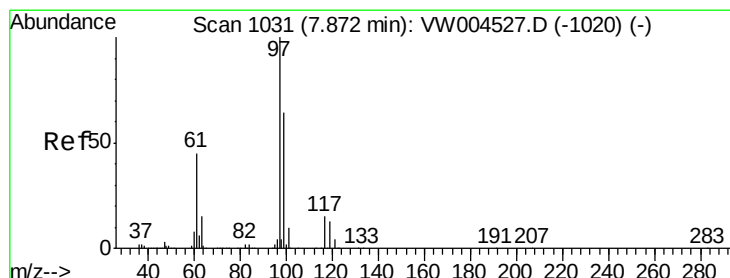
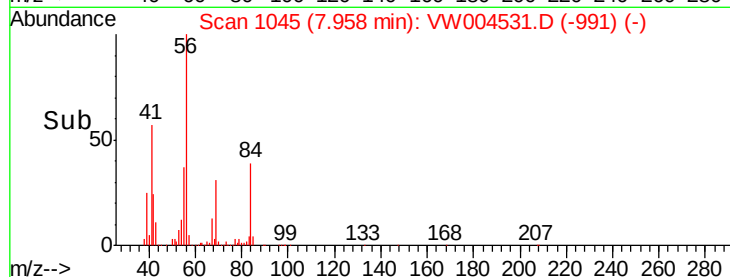
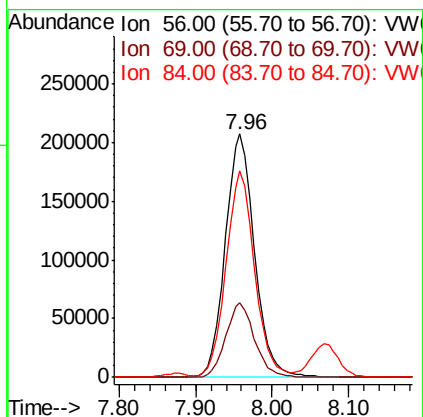
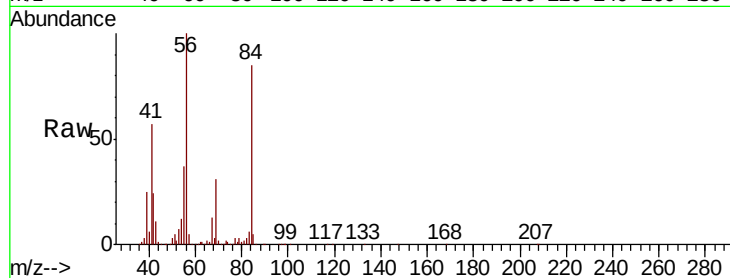




#30
Cyclohexane
Concen: 27.006 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004531.D
Acq: 08 Aug 2018 15:27

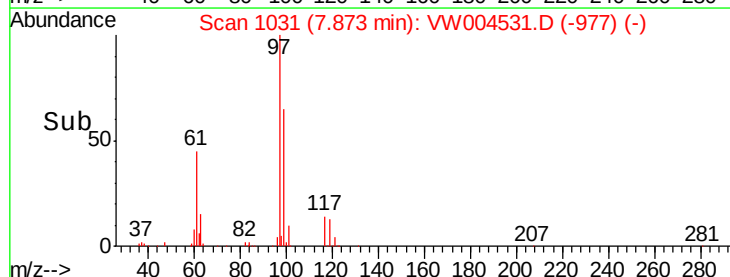
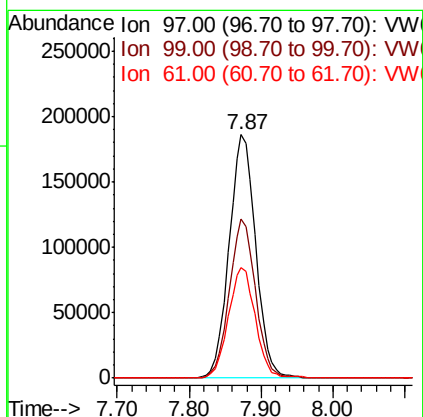
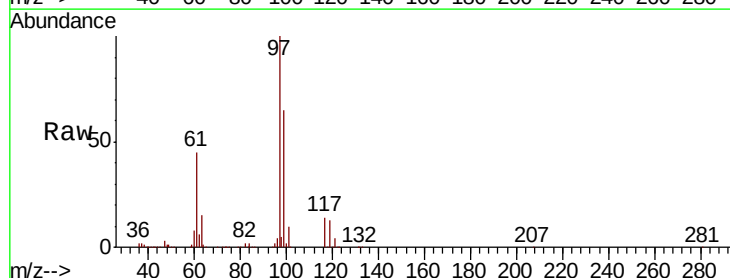
Instrument :
MSVOA_W
ClientSampled :

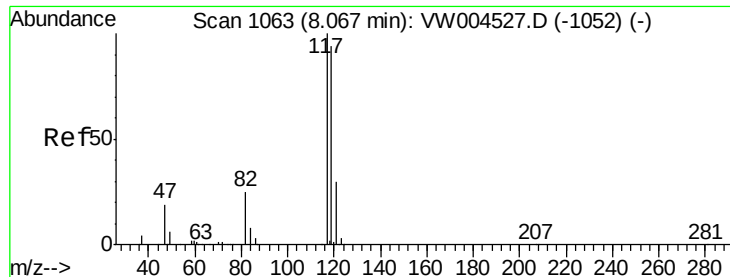
Tot Ion: 56 Resp: 548639
Ion Ratio Lower Upper
56 100
69 30.1 24.0 36.0
84 82.6 66.7 100.1



#31
1,1,1-Trichloroethane
Concen: 26.197 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004531.D
Acq: 08 Aug 2018 15:27

Tgt Ion: 97 Resp: 478126
Ion Ratio Lower Upper
97 100
99 64.5 51.8 77.6
61 46.2 37.3 55.9





#32

Carbon tetrachloride

Concen: 25.664 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004531.D

Acq: 08 Aug 2018 15:27

Instrument :

MSVOA_W

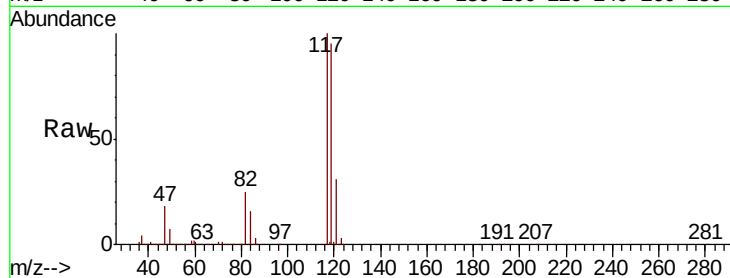
ClientSampleId :

Tot Ion:117 Resp: 451425

Ion Ratio Lower Upper

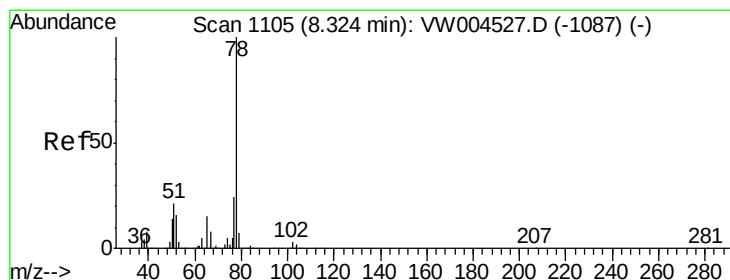
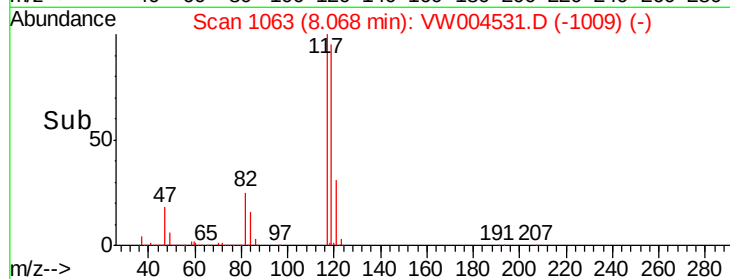
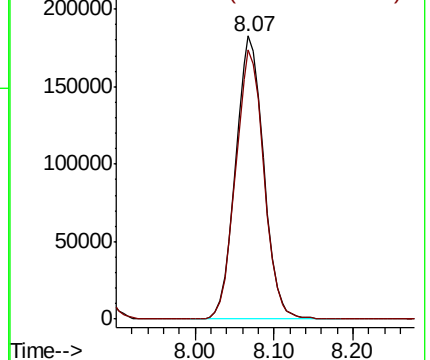
117 100

119 95.9 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.252 ug/L

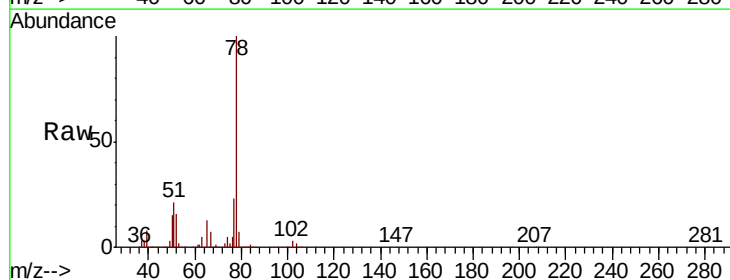
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

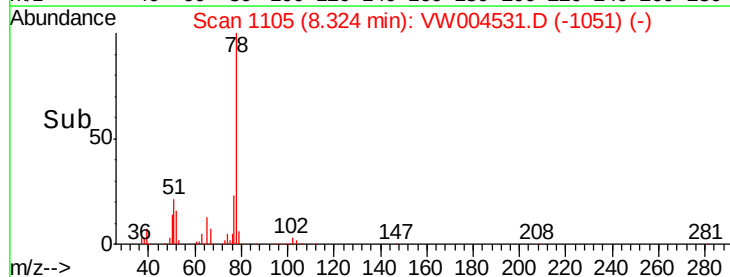
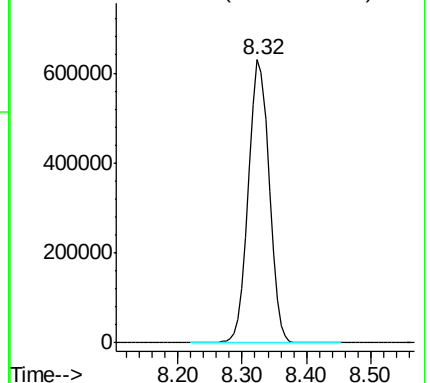
Lab File: VW004531.D

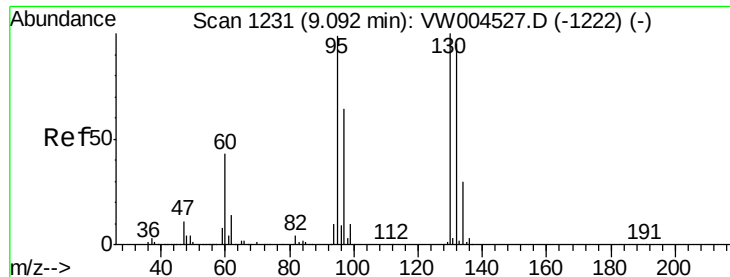
Acq: 08 Aug 2018 15:27

Tgt Ion: 78 Resp: 1390440



Abundance Ion 78.00 (77.70 to 78.70): VW

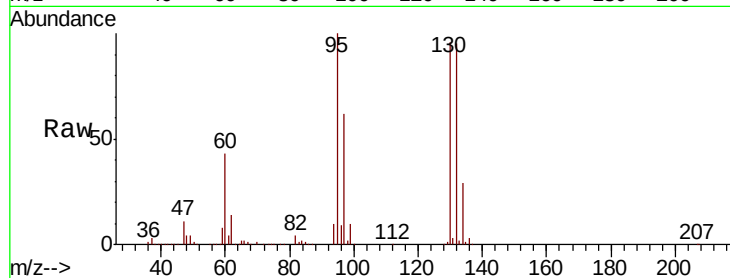




#35
 Trichloroethene
 Concen: 25.529 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW004531.D
 Acq: 08 Aug 2018 15:27

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	95	Resp:	340096
Ion	Ratio	Lower	Upper
95	100		
97	64.6	44.9	83.5
132	95.8	67.6	125.6
130	99.6	69.1	128.3



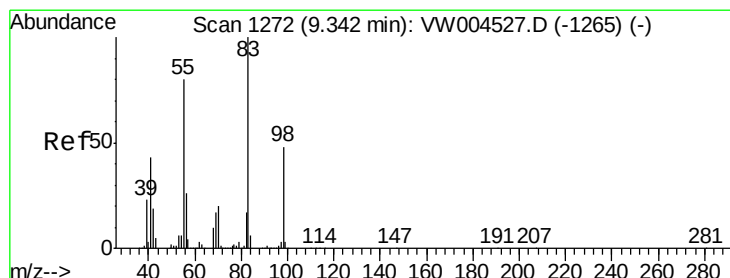
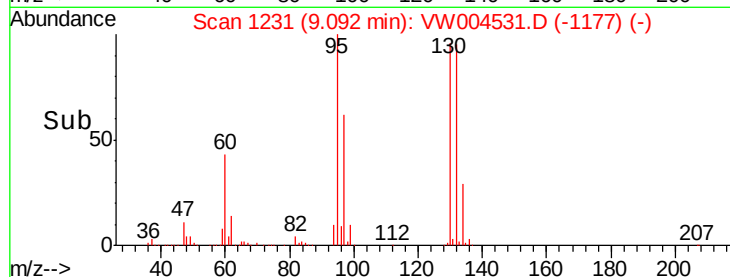
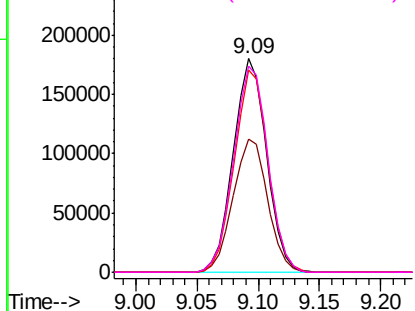
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

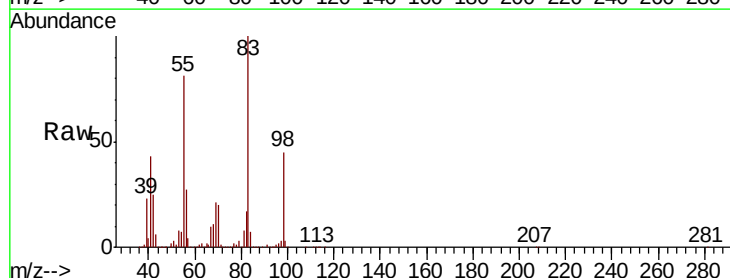
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 26.706 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VW004531.D
 Acq: 08 Aug 2018 15:27

Tgt Ion:	83	Resp:	624541
Ion	Ratio	Lower	Upper
83	100		
55	79.5	62.8	94.2
98	45.8	36.6	54.8

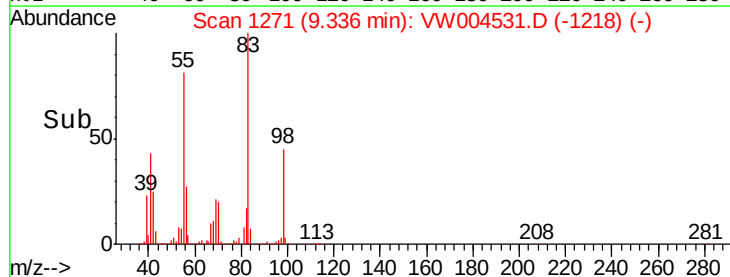
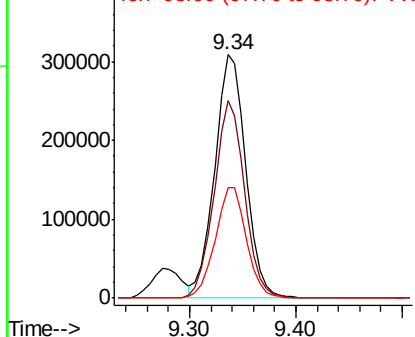


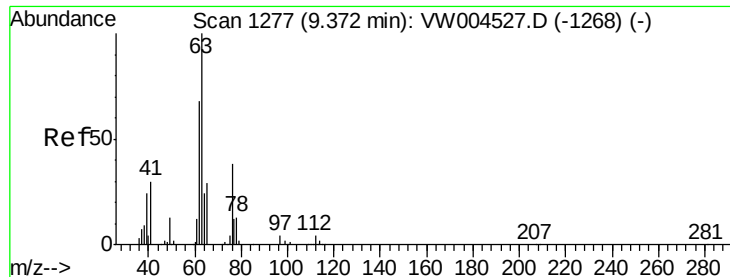
Abundance

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: 26.073 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW004531.D

Acq: 08 Aug 2018 15:27

Instrument :

MSVOA_W

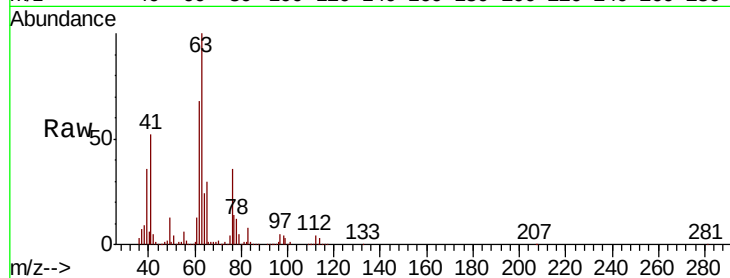
ClientSampleId :

Tot Ion: 63 Resp: 365730

Ion Ratio Lower Upper

63 100

112 4.0 3.0 4.6



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

9.37

200000

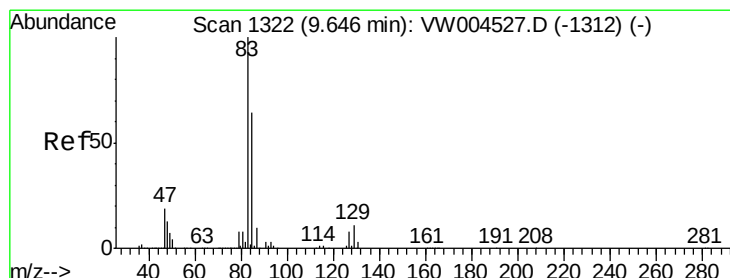
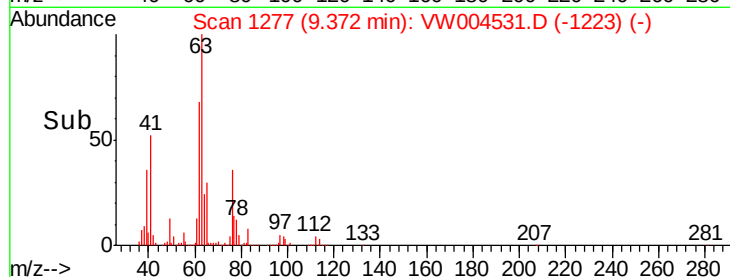
150000

100000

50000

0

Time-->



#41

Bromodichloromethane

Concen: 25.057 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004531.D

Acq: 08 Aug 2018 15:27

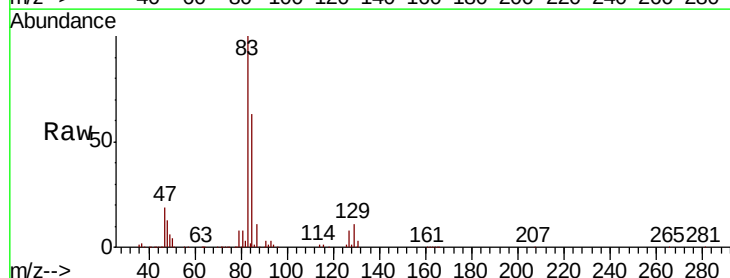
Tgt Ion: 83 Resp: 422207

Ion Ratio Lower Upper

83 100

85 63.1 43.7 81.1

127 8.5 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

300000

250000

200000

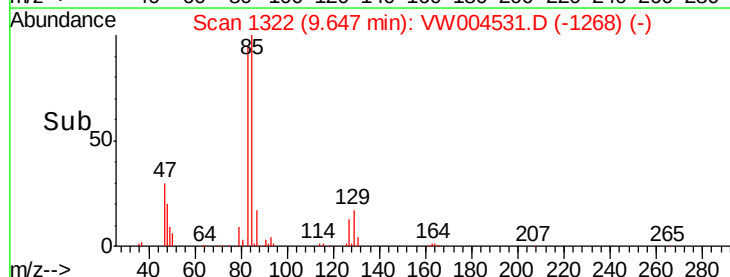
150000

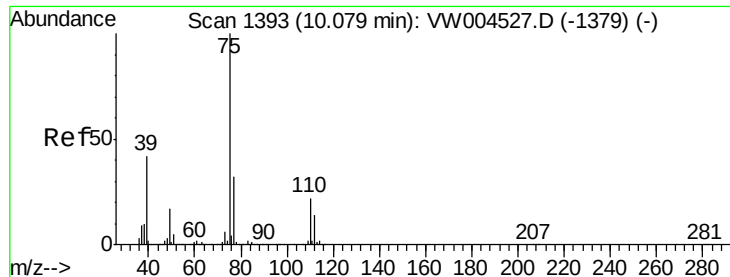
100000

50000

0

Time-->





#42

cis-1,3-Dichloropropene

Concen: 25.053 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004531.D

Acq: 08 Aug 2018 15:27

Instrument :

MSVOA_W

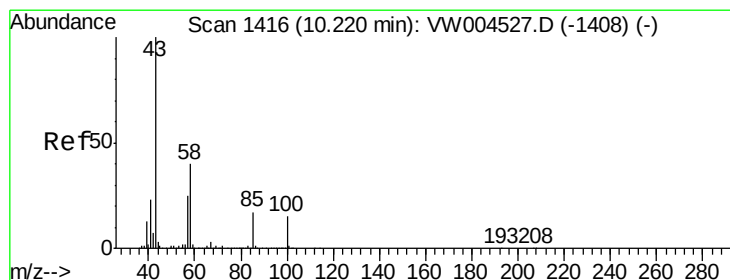
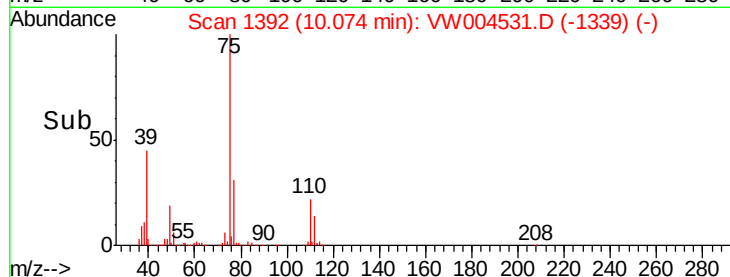
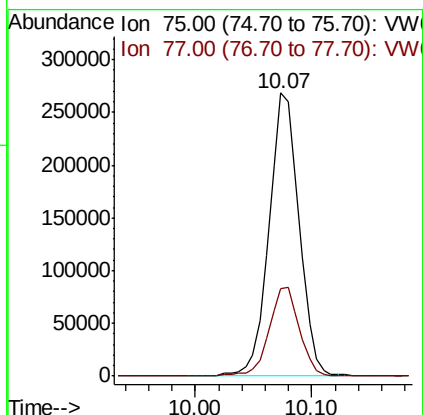
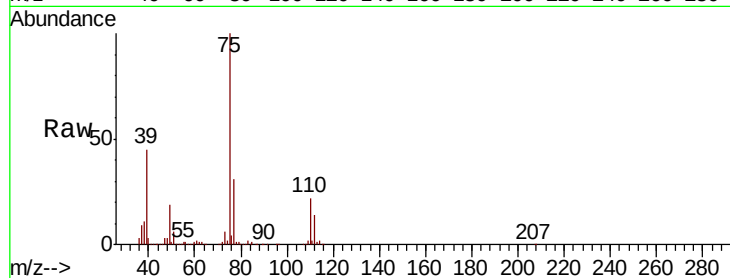
ClientSampled :

Tot Ion: 75 Resp: 480748

Ion Ratio Lower Upper

75 100

77 31.0 22.5 41.7



#43

4-Methyl-2-pentanone

Concen: 48.404 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VW004531.D

Acq: 08 Aug 2018 15:27

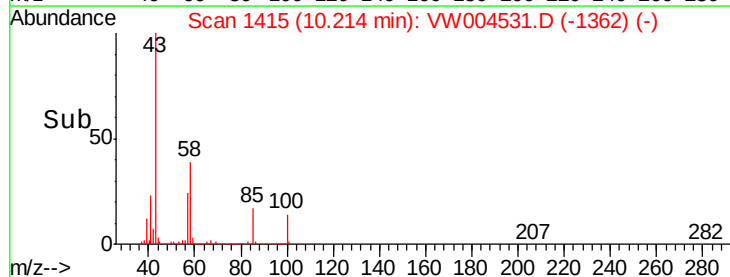
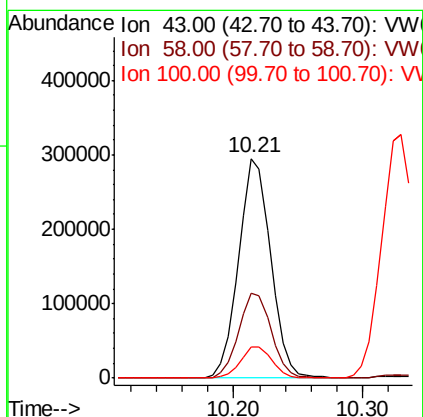
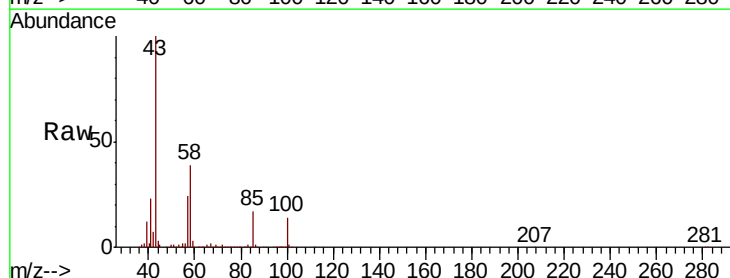
Tgt Ion: 43 Resp: 509097

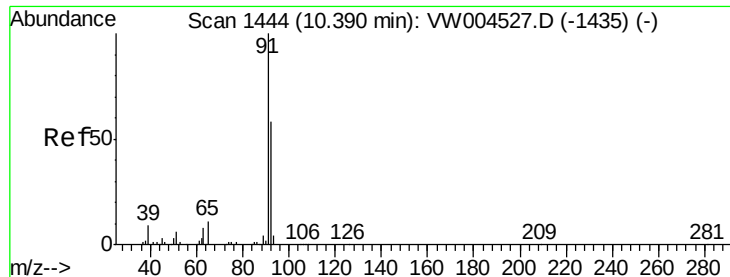
Ion Ratio Lower Upper

43 100

58 39.5 31.5 47.3

100 14.2 11.7 17.5





#44

Toluene

Concen: 26.631 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004531.D

Acq: 08 Aug 2018 15:27

Instrument :

MSVOA_W

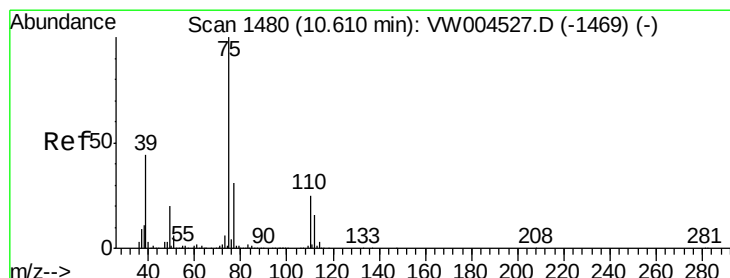
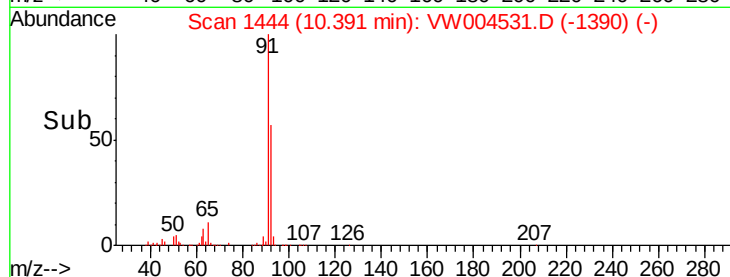
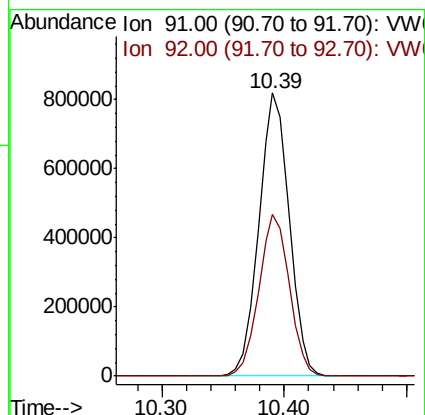
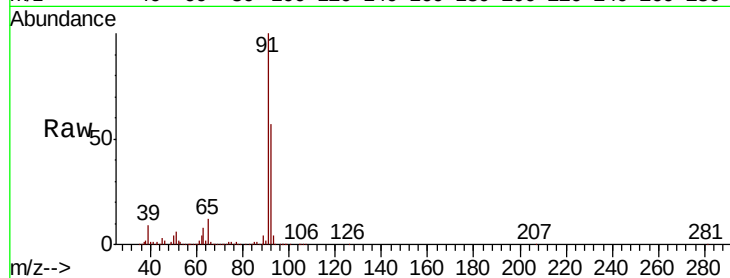
ClientSampleId :

Tot Ion: 91 Resp: 1419434

Ion Ratio Lower Upper

91 100

92 57.2 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 25.344 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004531.D

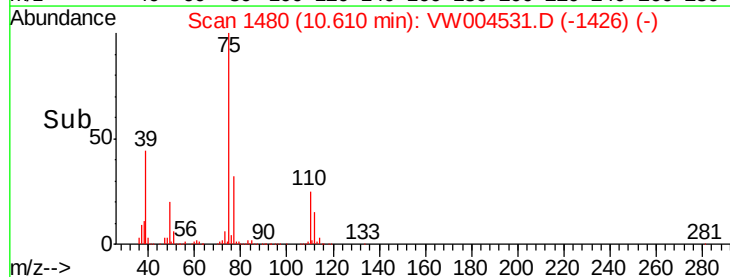
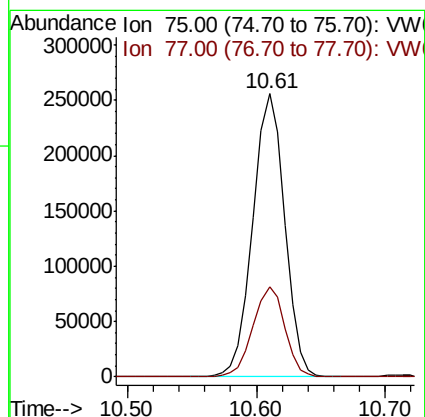
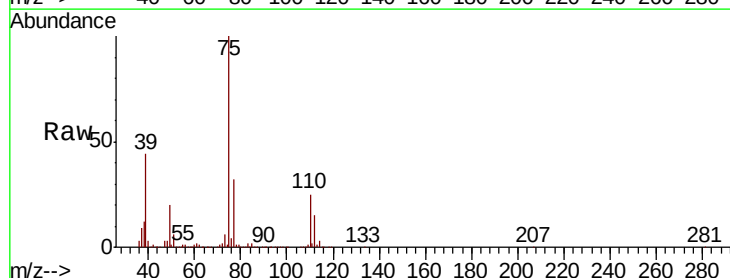
Acq: 08 Aug 2018 15:27

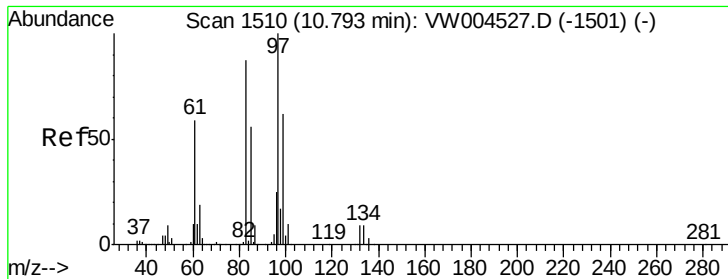
Tgt Ion: 75 Resp: 437154

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 24.987 ug/L

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW004531.D

Acq: 08 Aug 2018 15:27

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 272486

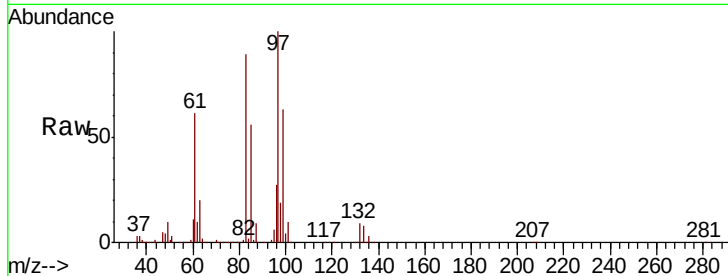
Ion Ratio Lower Upper

97 100

83 88.6 61.8 114.8

85 56.2 38.8 72.0

99 62.7 43.0 80.0

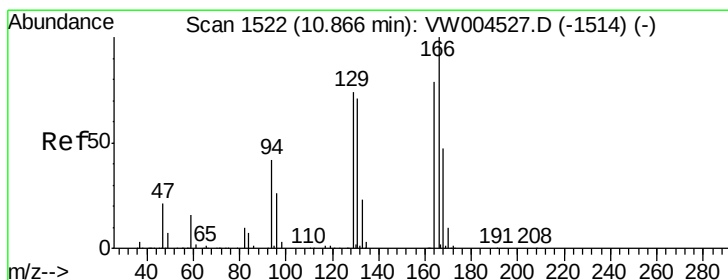
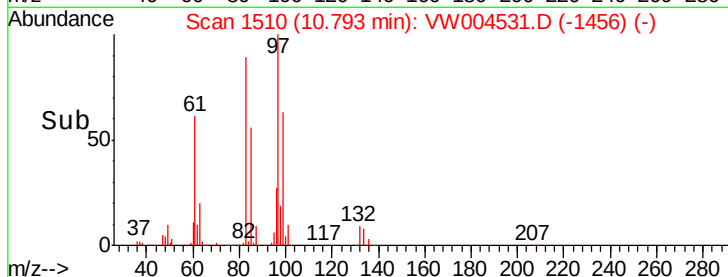
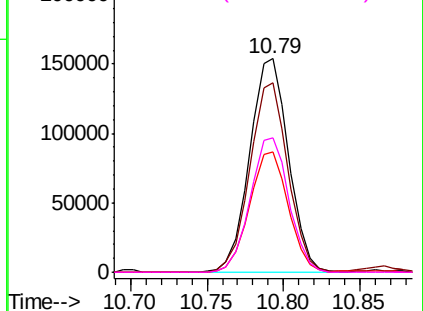


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 25.293 ug/L

RT: 10.87 min Scan# 1522

Delta R.T. 0.00 min

Lab File: VW004531.D

Acq: 08 Aug 2018 15:27

Tgt Ion: 164 Resp: 266609

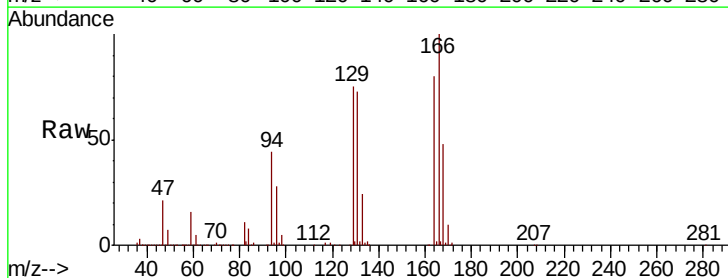
Ion Ratio Lower Upper

164 100

129 93.5 65.4 121.4

131 91.7 63.8 118.6

166 124.9 88.1 163.5

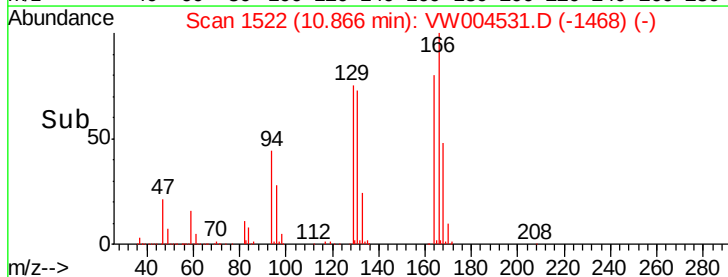
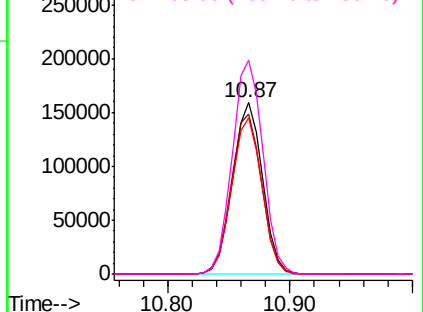


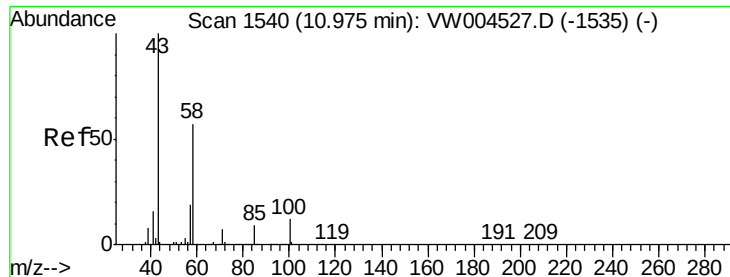
Abundance Ion 164.00 (163.70 to 164.70): V

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

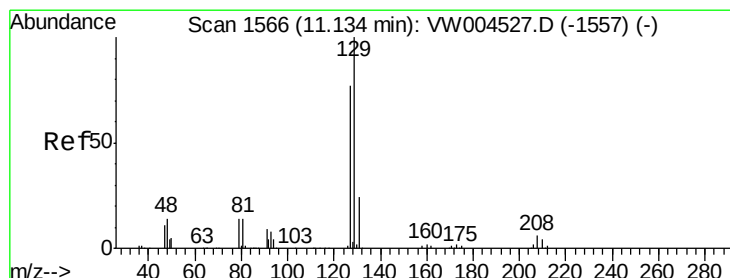
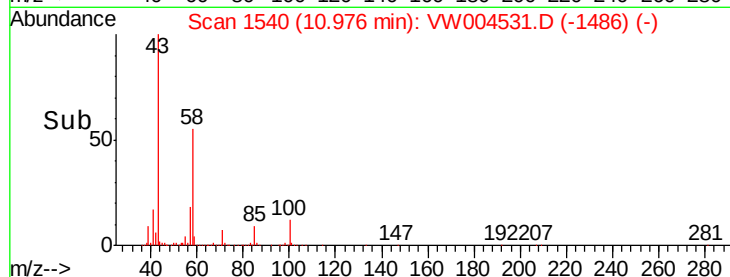
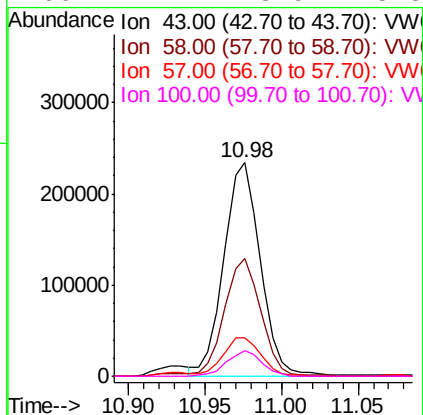
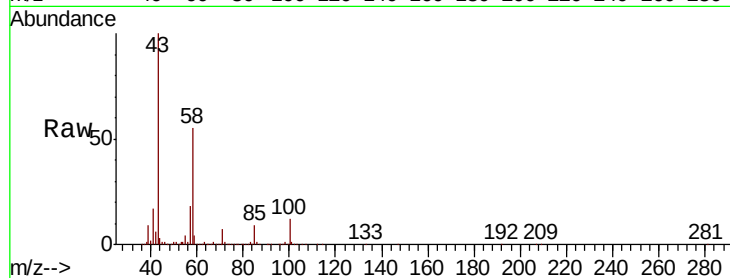




#49
2-Hexanone
Concen: 49.127 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004531.D
Acq: 08 Aug 2018 15:27

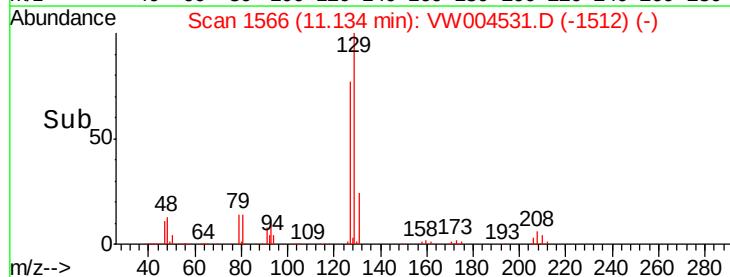
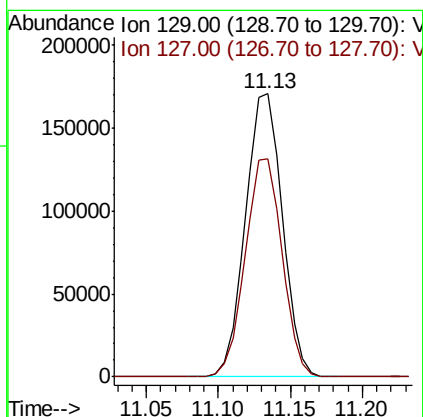
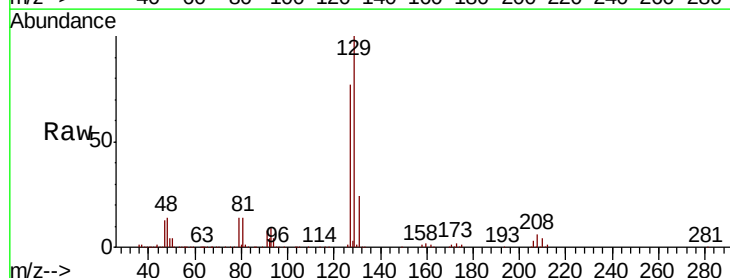
Instrument :
MSVOA_W
ClientSampleId :

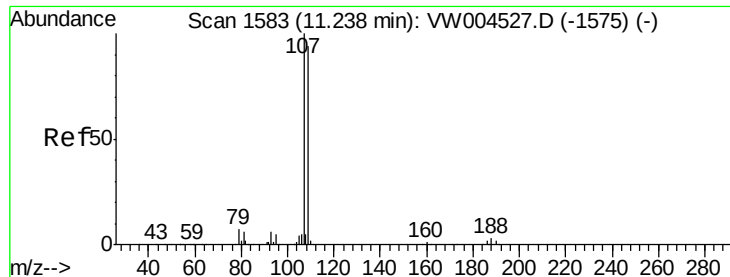
Tot Ion:	43	Resp:	388296
Ion	Ratio	Lower	Upper
43	100		
58	54.8	43.4	65.0
57	18.5	15.0	22.6
100	11.4	8.9	13.3



#50
Dibromochloromethane
Concen: 25.072 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004531.D
Acq: 08 Aug 2018 15:27

Tgt Ion:	129	Resp:	303305
Ion	Ratio	Lower	Upper
129	100		
127	77.2	54.1	100.5

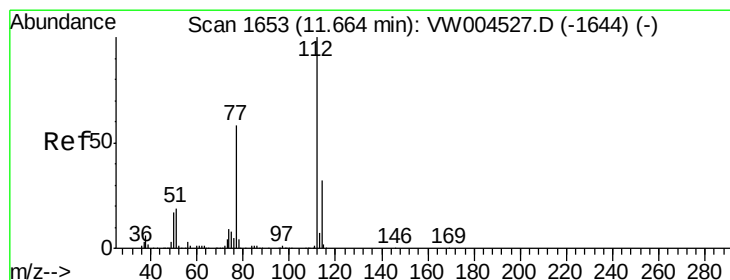
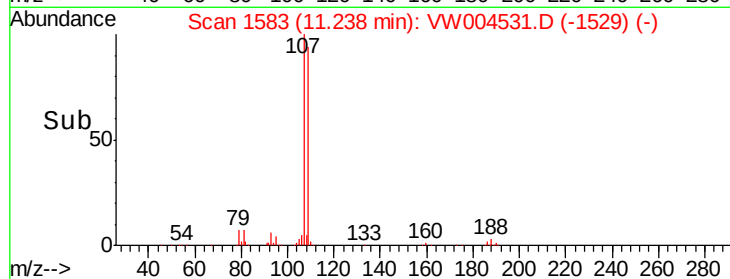
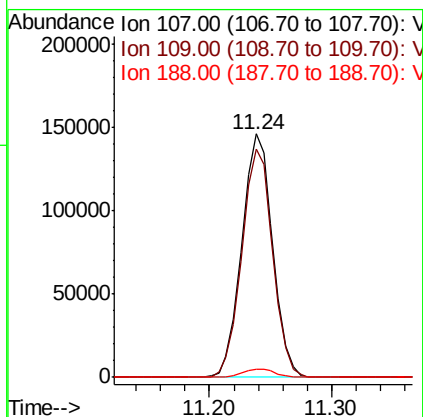
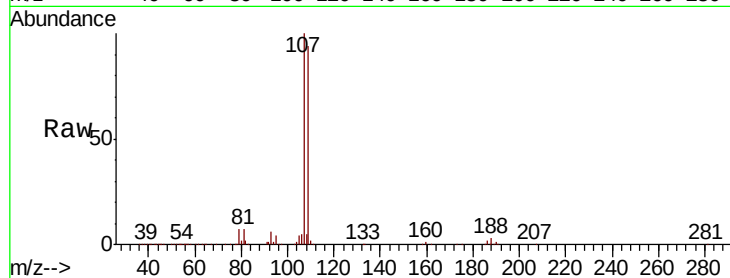




#51
1,2-Dibromoethane
Concen: 24.409 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VW004531.D
Acq: 08 Aug 2018 15:27

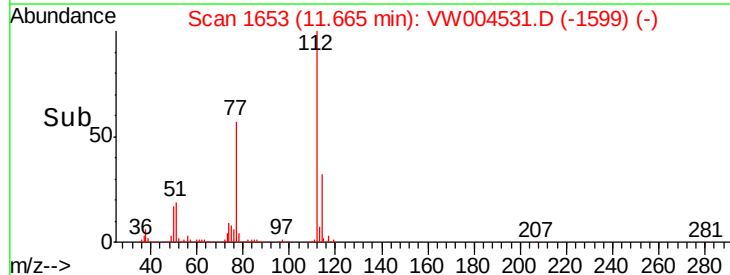
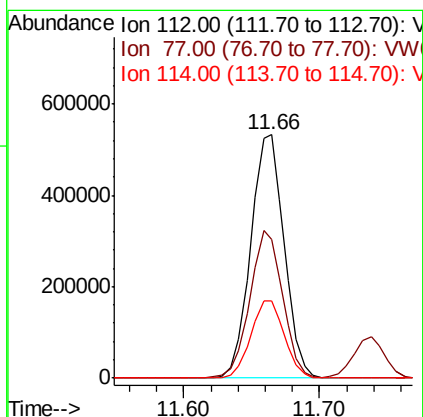
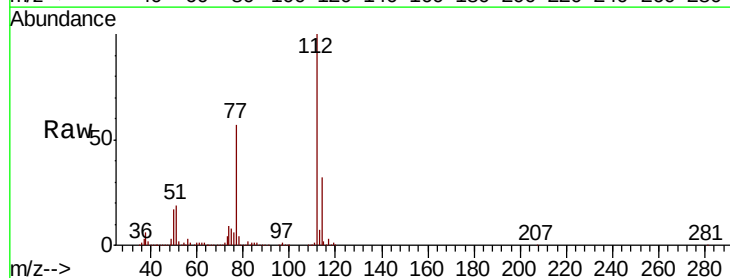
Instrument :
MSVOA_W
ClientSampleId :

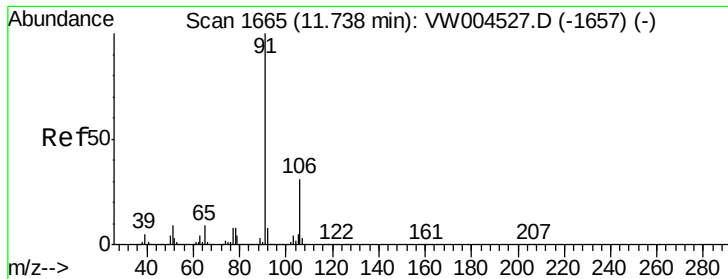
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	66.8	124.2
188	3.5	2.6	3.8



#52
Chlorobenzene
Concen: 25.364 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW004531.D
Acq: 08 Aug 2018 15:27

Tgt Ion	Ratio	Lower	Upper
112	100		
77	57.1	46.5	69.7
114	31.8	22.0	41.0





#53

Ethylbenzene

Concen: 26.446 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004531.D

Acq: 08 Aug 2018 15:27

Instrument :

MSVOA_W

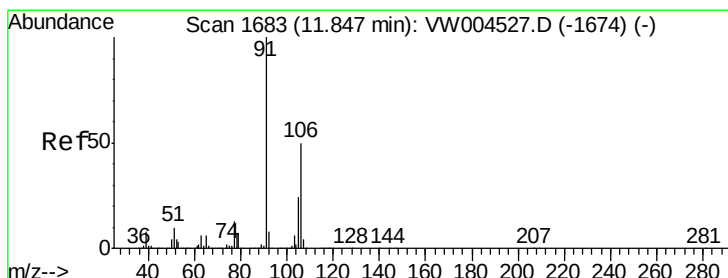
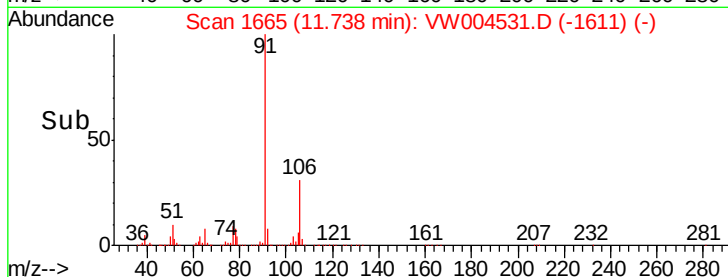
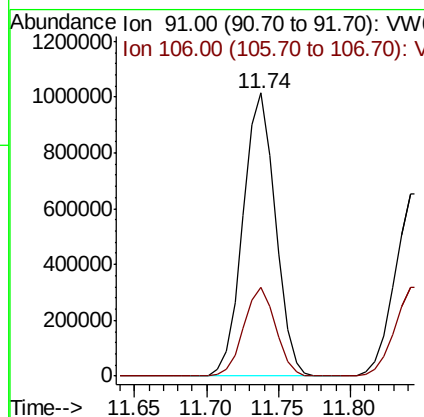
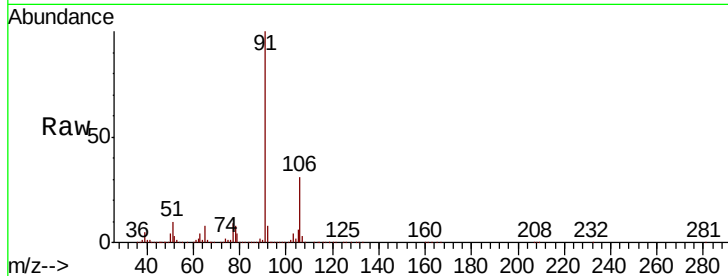
ClientSampled :

Tot Ion: 91 Resp: 1583946

Ion Ratio Lower Upper

91 100

106 31.2 21.6 40.0



#54

m,p-Xylene

Concen: 27.166 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW004531.D

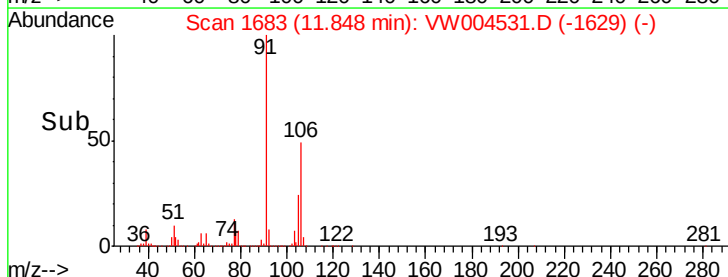
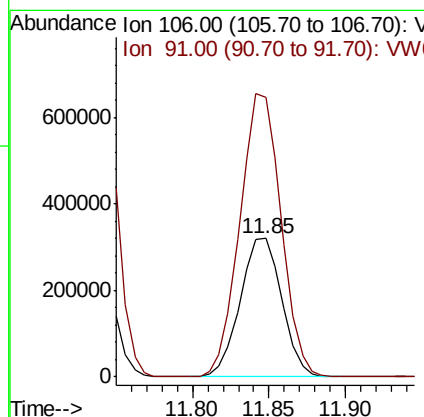
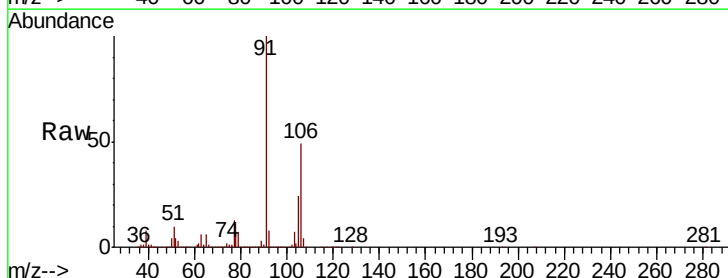
Acq: 08 Aug 2018 15:27

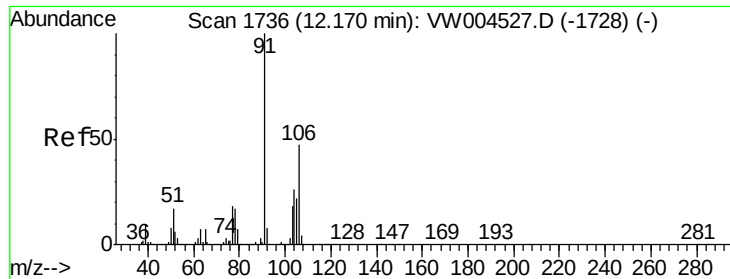
Tgt Ion: 106 Resp: 607026

Ion Ratio Lower Upper

106 100

91 202.4 143.0 265.6

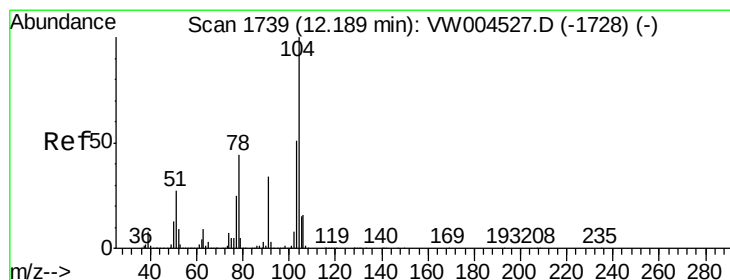
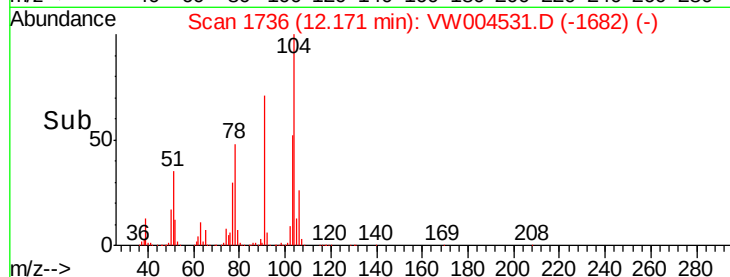
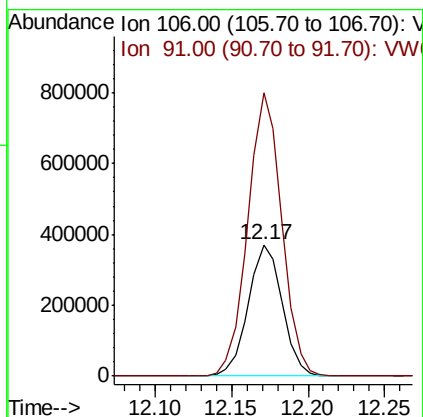
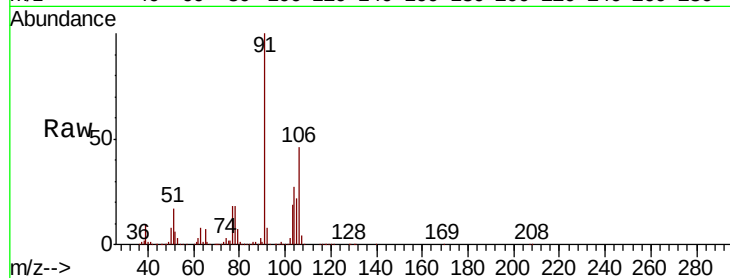




#55
o-xylene
Concen: 27.189 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004531.D
Acq: 08 Aug 2018 15:27

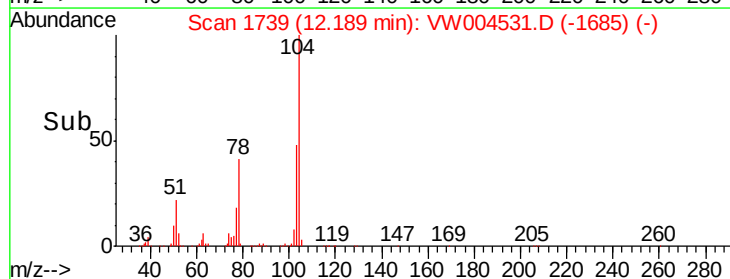
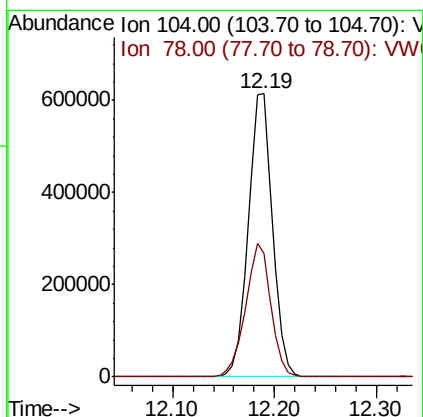
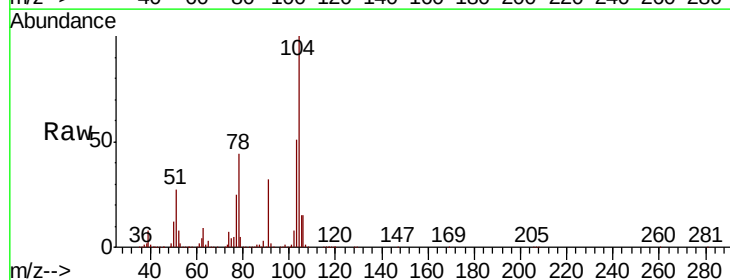
Instrument :
MSVOA_W
ClientSampleId :

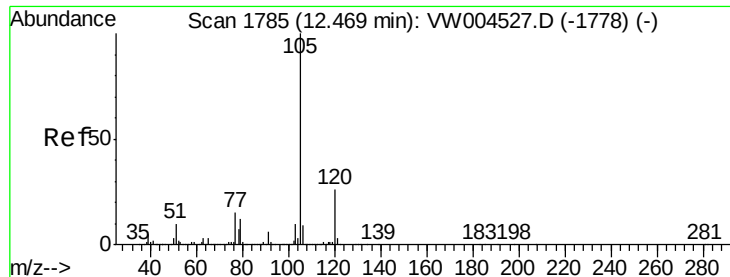
Tot Ion:106 Resp: 575669
Ion Ratio Lower Upper
106 100
91 215.3 152.0 282.4



#56
Styrene
Concen: 27.713 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004531.D
Acq: 08 Aug 2018 15:27

Tgt Ion:104 Resp: 1022438
Ion Ratio Lower Upper
104 100
78 43.6 30.8 57.2





#57

Isopropylbenzene

Concen: 28.019 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004531.D

Acq: 08 Aug 2018 15:27

Instrument :

MSVOA_W

ClientSampled :

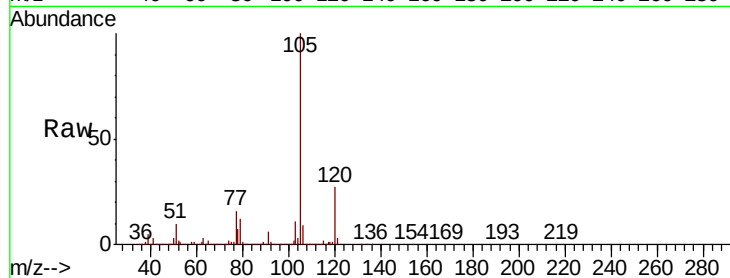
Tot Ion:105 Resp: 1605807

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

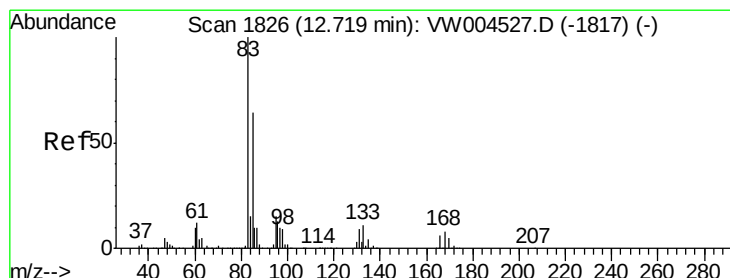
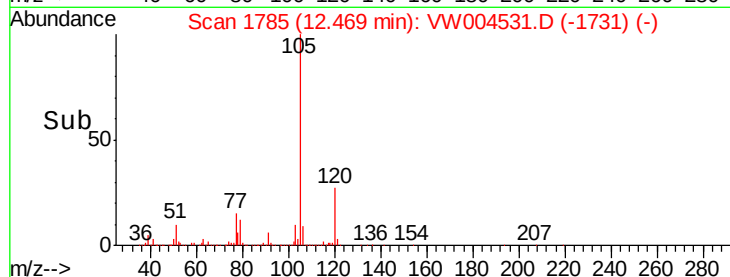
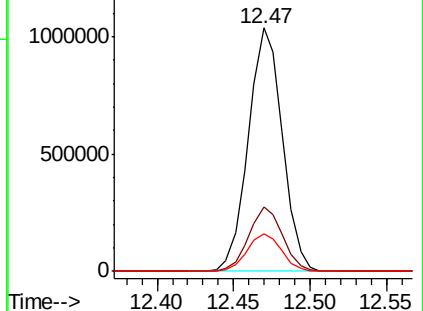
77 15.6 12.4 18.6



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: 24.430 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004531.D

Acq: 08 Aug 2018 15:27

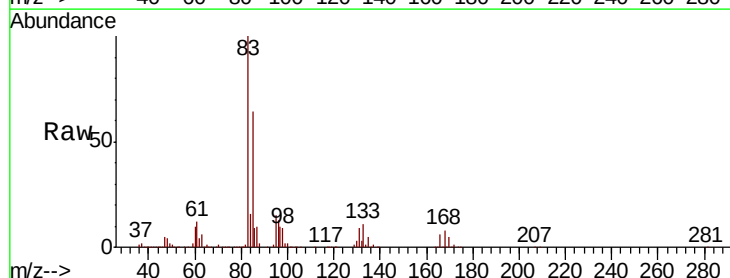
Tgt Ion: 83 Resp: 386667

Ion Ratio Lower Upper

83 100

85 63.9 46.1 85.5

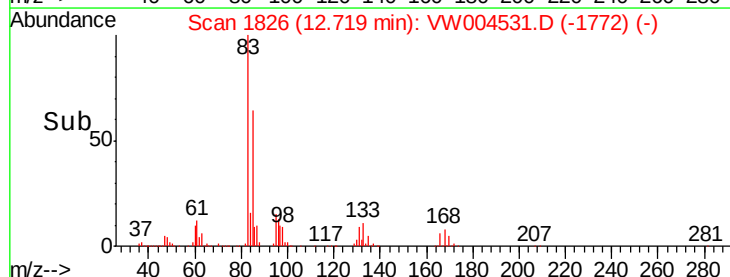
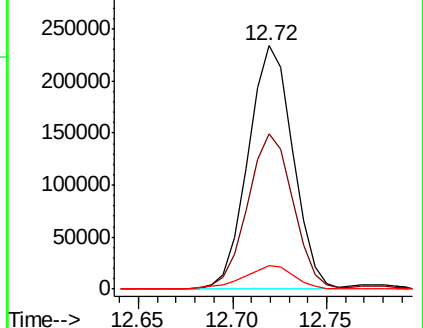
131 9.5 8.1 12.1

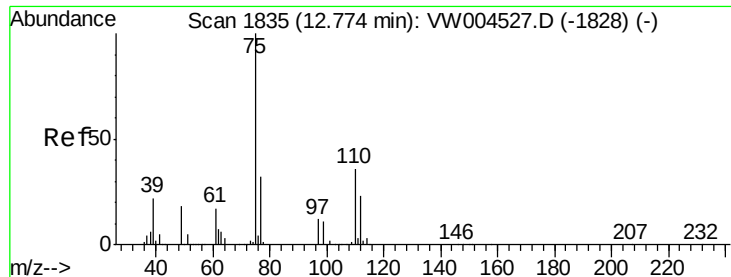


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.501 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004531.D

Acq: 08 Aug 2018 15:27

Instrument :

MSVOA_W

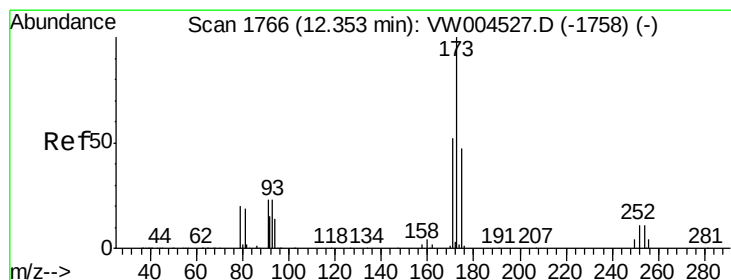
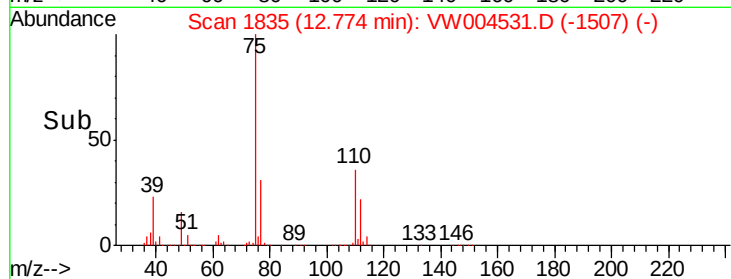
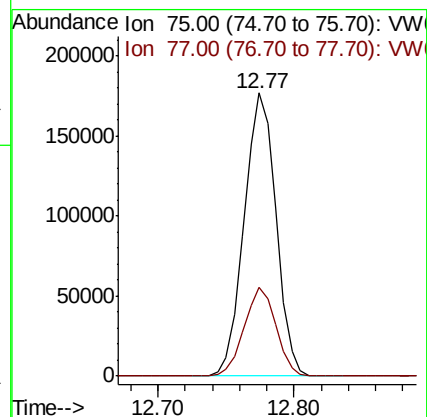
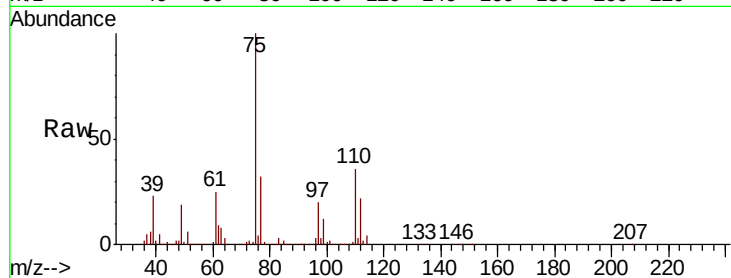
ClientSampleId :

Tot Ion: 75 Resp: 289631

Ion Ratio Lower Upper

75 100

77 31.5 25.3 37.9



#62

Bromoform

Concen: 23.847 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004531.D

Acq: 08 Aug 2018 15:27

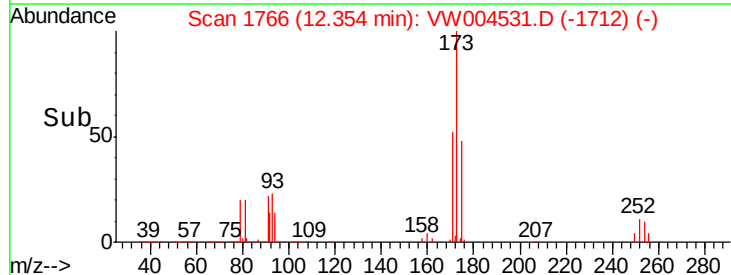
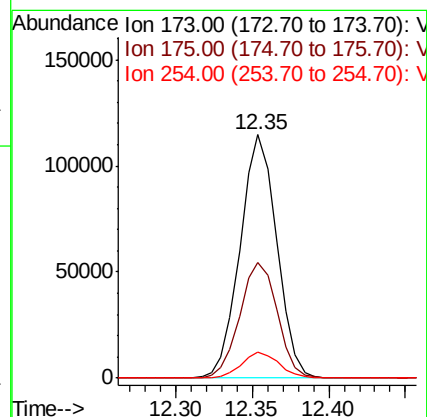
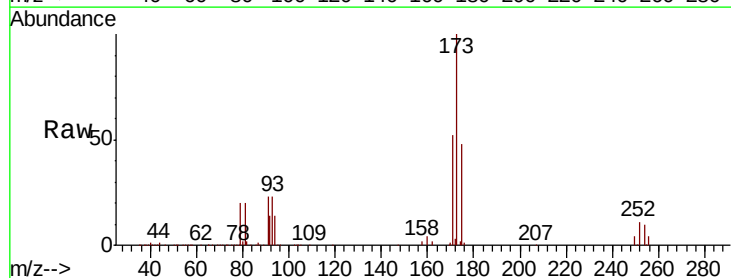
Tgt Ion: 173 Resp: 191074

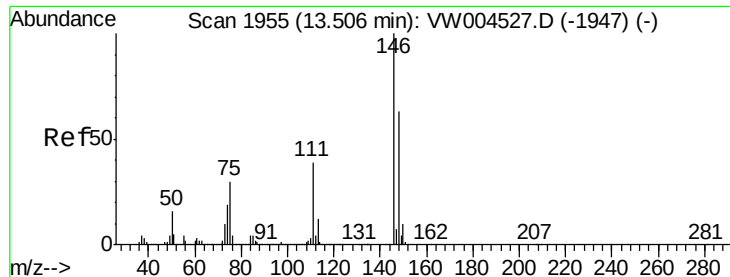
Ion Ratio Lower Upper

173 100

175 48.4 39.0 58.4

254 10.7 8.1 12.1





#63

1,3-Dichlorobenzene

Concen: 25.657 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004531.D

Acq: 08 Aug 2018 15:27

Instrument :

MSVOA_W

ClientSampleId :

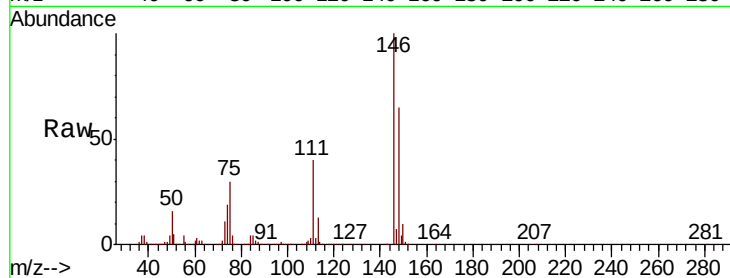
Tot Ion:146 Resp: 703831

Ion Ratio Lower Upper

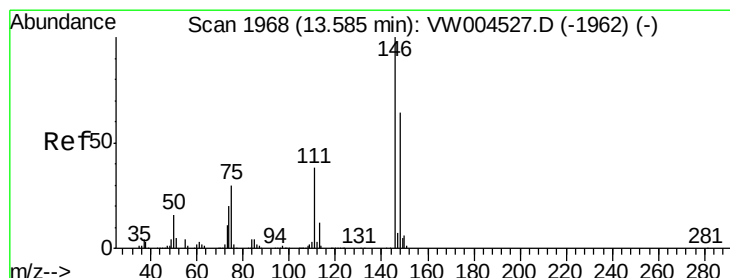
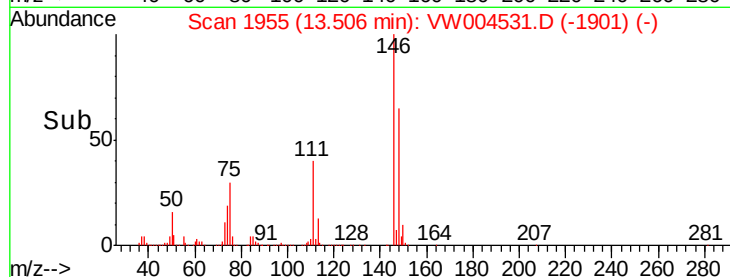
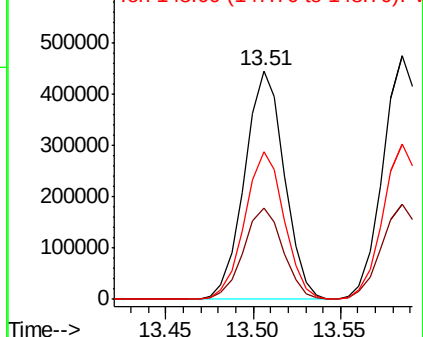
146 100

111 39.9 27.7 51.5

148 64.6 43.8 81.4



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



#64

1,4-Dichlorobenzene

Concen: 25.430 ug/L

RT: 13.59 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW004531.D

Acq: 08 Aug 2018 15:27

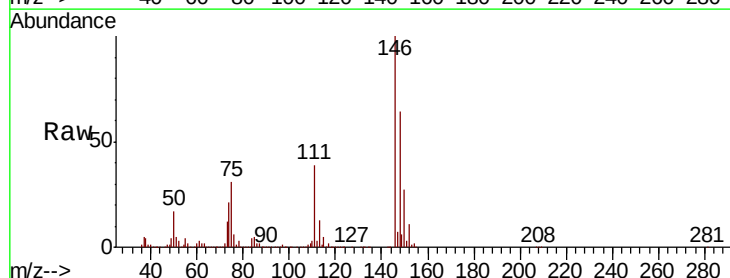
Tgt Ion:146 Resp: 749742

Ion Ratio Lower Upper

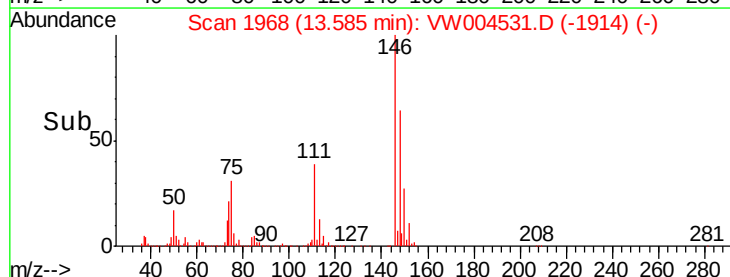
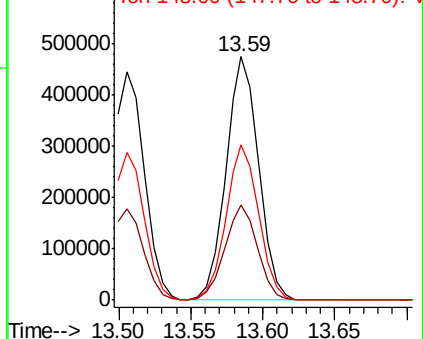
146 100

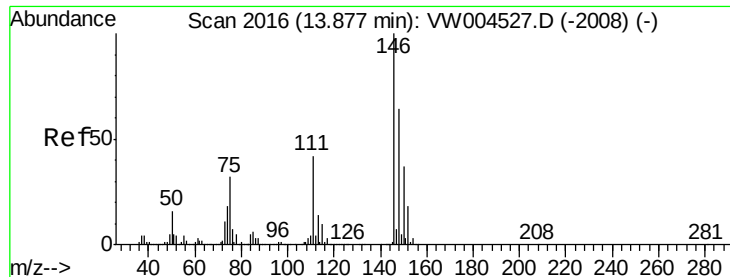
111 39.2 27.7 51.5

148 63.7 45.5 84.5



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

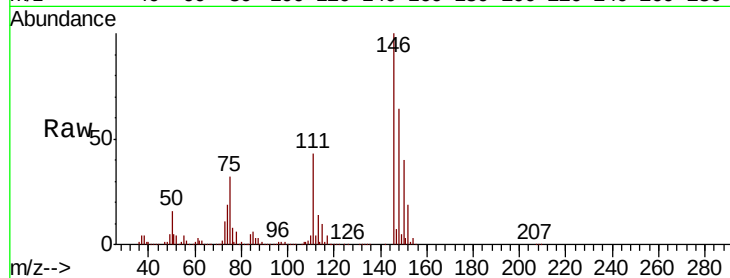




#65
 1,2-Dichlorobenzene
 Concen: 25.600 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004531.D
 Acq: 08 Aug 2018 15:27

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	33.4	50.2
148	64.0	50.8	76.2

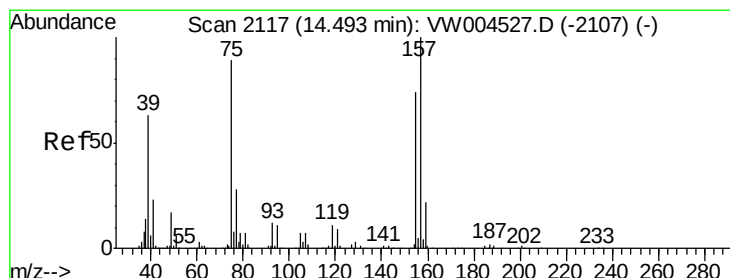
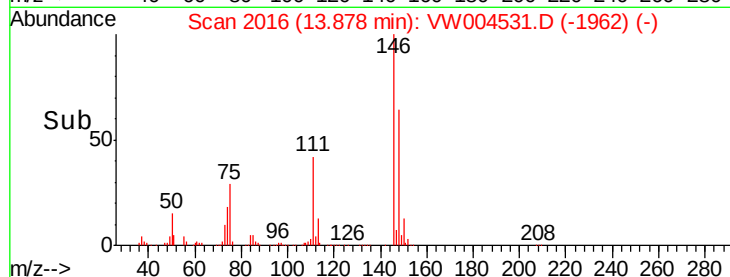
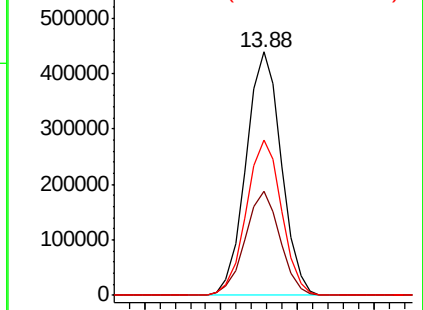


Abundance

Ion 146.00 (145.70 to 146.70): V

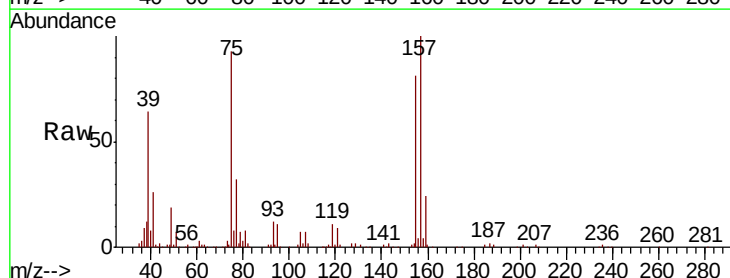
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.786 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004531.D
 Acq: 08 Aug 2018 15:27

Tgt Ion	Ratio	Lower	Upper
75	100		
157	107.7	81.4	122.0
155	87.6	63.0	94.6

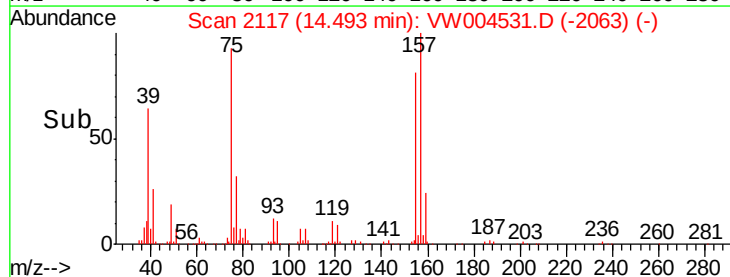
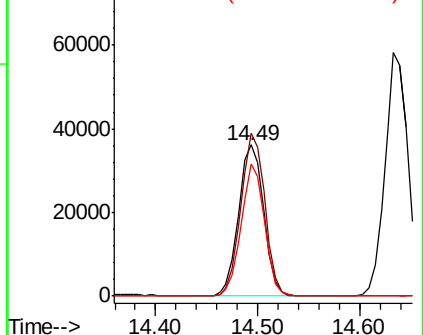


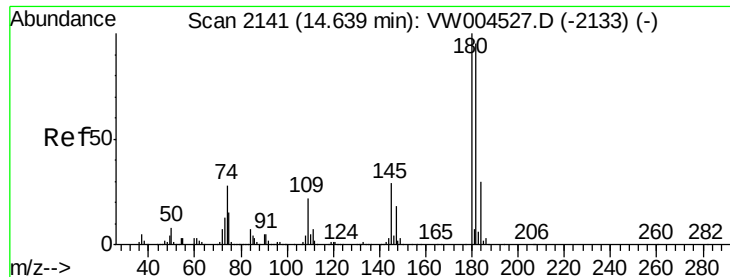
Abundance

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

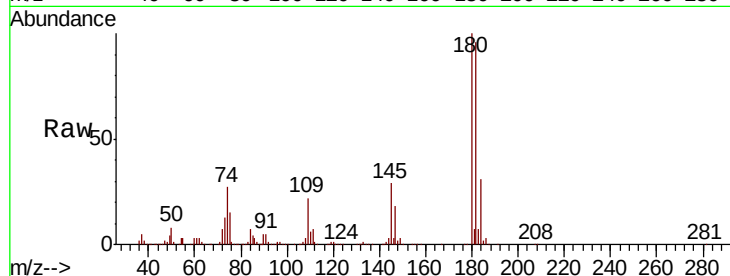




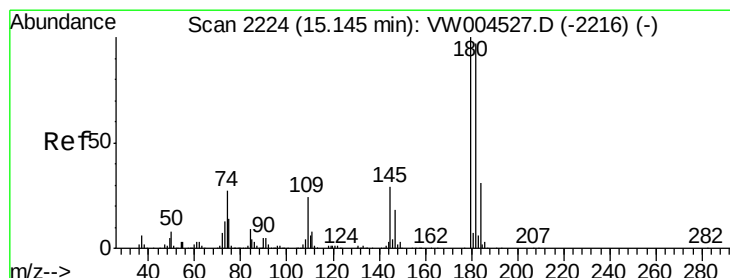
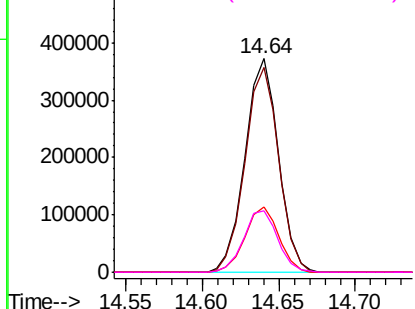
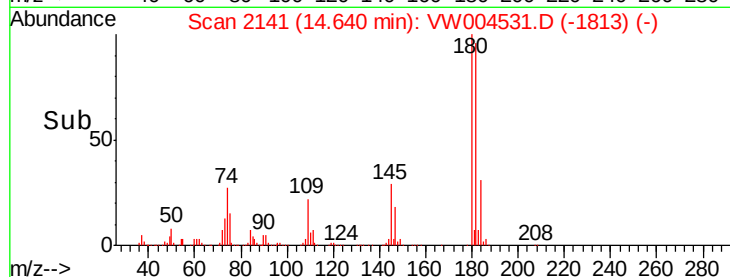
#67
 1,3,5-Trichlorobenzene
 Concen: 26.044 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004531.D
 Acq: 08 Aug 2018 15:27

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:180	Resp:	566365
Ion	Ratio	Lower Upper
180	100	
182	96.3	75.1 112.7
184	30.8	24.0 36.0
145	29.5	23.0 34.6

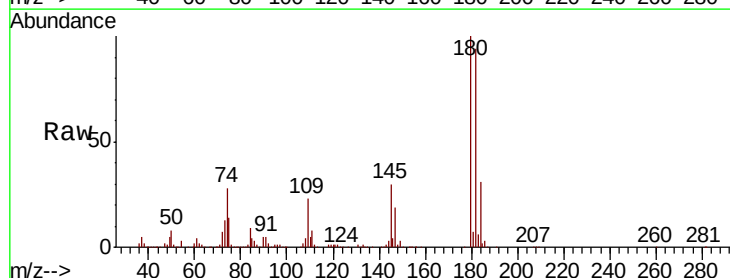


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

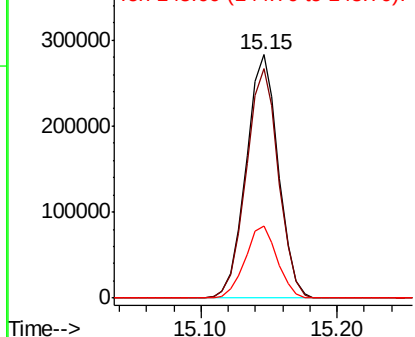
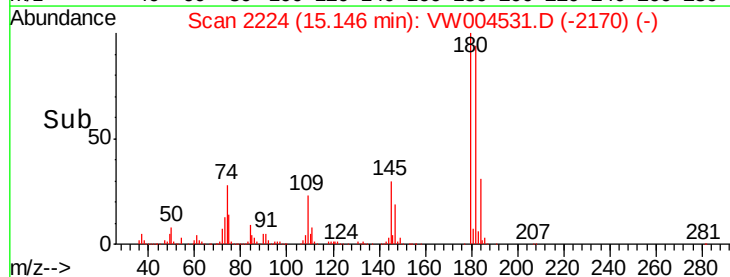


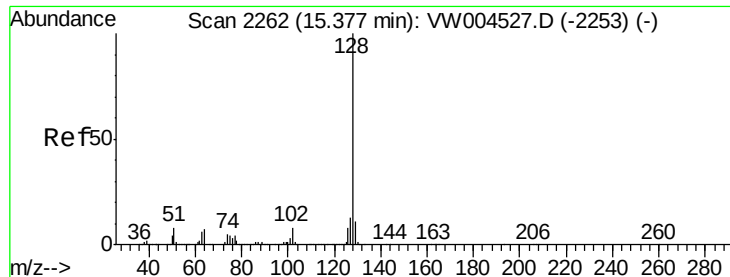
#68
 1,2,4-trichlorobenzene
 Concen: 26.575 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004531.D
 Acq: 08 Aug 2018 15:27

Tgt Ion:180	Resp:	467537
Ion	Ratio	Lower Upper
180	100	
182	94.7	76.9 115.3
145	29.5	23.4 35.2



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: 25.588 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004531.D

Acq: 08 Aug 2018 15:27

Instrument :

MSVOA_W

ClientSampleId :

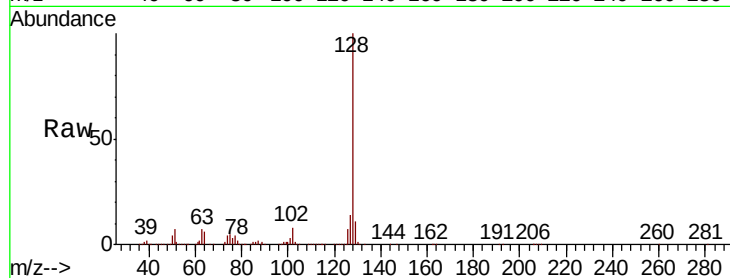
Tot Ion:128 Resp: 1026632

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

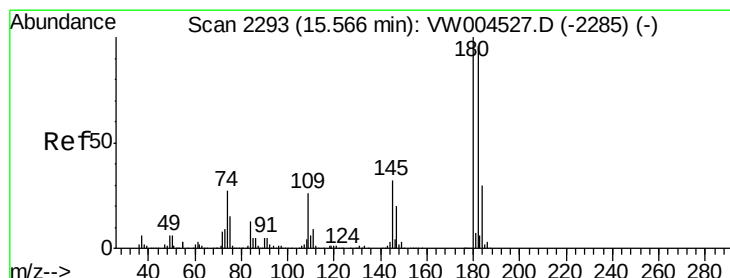
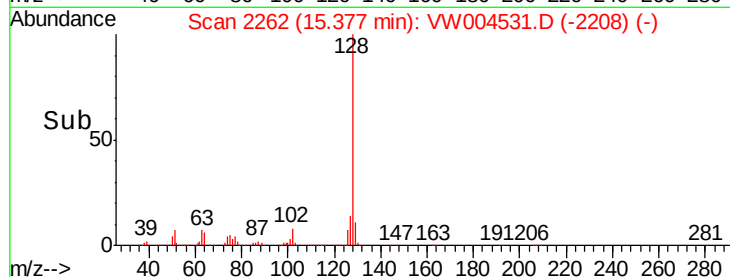
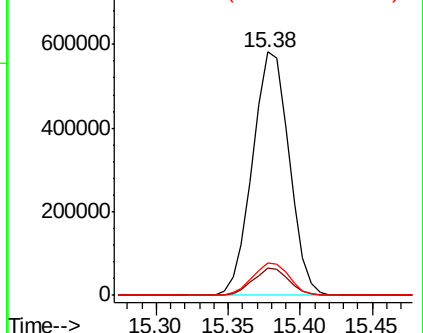
127 13.4 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 27.218 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004531.D

Acq: 08 Aug 2018 15:27

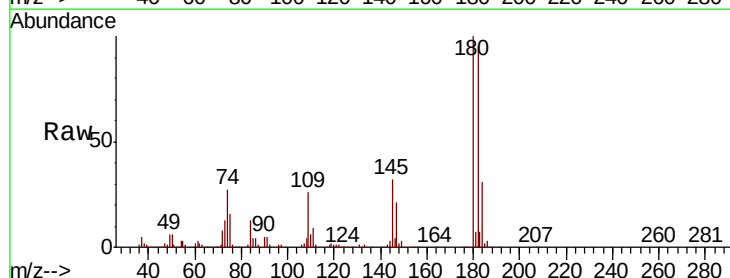
Tgt Ion:180 Resp: 466330

Ion Ratio Lower Upper

180 100

182 94.6 76.0 114.0

145 31.5 25.2 37.8



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

