

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072918\
 Data File : VW004287.D
 Acq On : 27 Jul 2018 22:18
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02594

Quant Time: Jul 28 02:51:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072618S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 27 23:47:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	360842	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	328240	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	168849	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	80911	22.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.08%
7) Chloroethane-d5	2.89	69	56403	21.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.40%
10) 1,1-Dichloroethene-d2	4.01	63	206791	23.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.40%
20) 2-Butanone-d5	7.08	46	113803	55.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.68%
24) Chloroform-d	7.65	84	212308	22.98	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.92%
26) 1,2-Dichloroethane-d4	8.31	65	127757	22.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.96%
29) Benzene-d6	8.27	84	425175	24.44	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.76%
33) 1,2-Dichloropropane-d6	9.27	67	135912	23.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.96%
37) Toluene-d8	10.32	98	407698	24.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.16%
38) trans-1,3-Dichloropropene-	10.58	79	61813	23.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.16%
39) 2-Hexanone-d5	10.93	63	86934	57.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.34%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	151818	25.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.76%
61) 1,2-Dichlorobenzene-d4	13.86	152	147476	23.36	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.44%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	57102	23.789	ug/L 93
3) Chloromethane	2.21	50	82492	24.345	ug/L 98
5) Vinyl chloride	2.36	62	115157	25.470	ug/L 97
6) Bromomethane	2.77	94	63234	24.964	ug/L 99
8) Chloroethane	2.92	64	57711	23.752	ug/L 99
9) Trichlorofluoromethane	3.25	101	49156	22.464	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	116496	27.021	ug/L 98
12) 1,1-Dichloroethene	4.03	96	110341	26.441	ug/L 86
13) Acetone	4.12	43	103446	49.816	ug/L 98
14) Carbon disulfide	4.37	76	349008	25.976	ug/L 100
15) Methyl Acetate	4.67	43	97836	28.324	ug/L 99
16) Methylene chloride	4.91	84	121902	24.095	ug/L 97
17) Methyl tert-butyl Ether	5.42	73	221022	26.680	ug/L 98
18) trans-1,2-Dichloroethene	5.41	96	115585	26.298	ug/L 98
19) 1,1-Dichloroethane	6.21	63	217554	25.410	ug/L 98
21) 2-Butanone	7.18	43	138390	52.872	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	123815	25.340	ug/L 97

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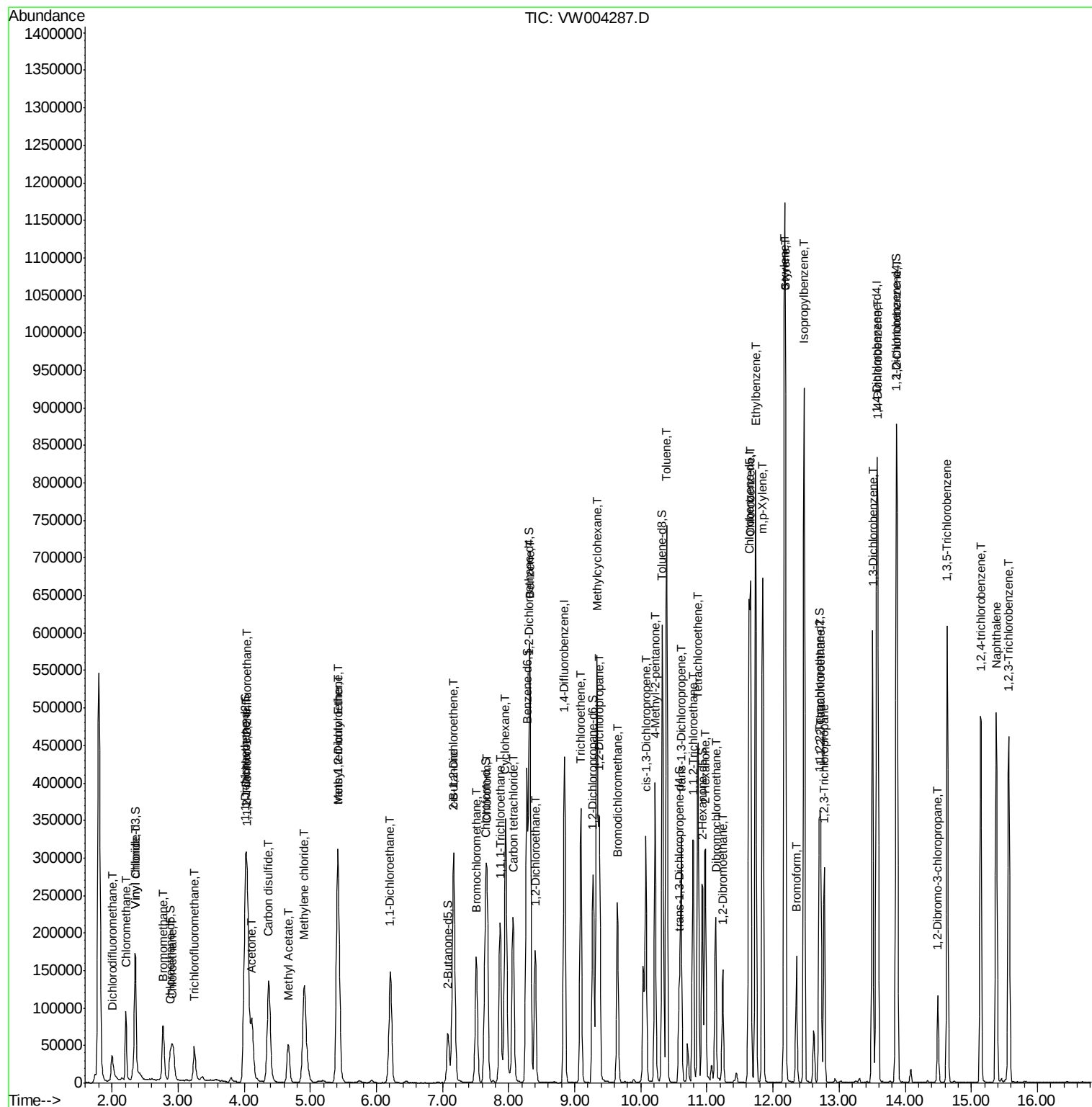
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	58498	25.290	ug/L	99
25) Chloroform	7.68	83	218649	24.907	ug/L	99
27) 1,2-Dichloroethane	8.40	62	158739	24.583	ug/L	98
30) Cyclohexane	7.95	56	199212	27.427	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	170886	25.797	ug/L	100
32) Carbon tetrachloride	8.07	117	167889	26.058	ug/L	100
34) Benzene	8.32	78	493405	26.147	ug/L	100
35) Trichloroethene	9.09	95	126681	25.519	ug/L	100
36) Methylcyclohexane	9.34	83	225860	27.224	ug/L	99
40) 1,2-Dichloropropane	9.37	63	131787	25.721	ug/L	99
41) Bromodichloromethane	9.65	83	159522	25.214	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	188434	25.284	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	263245	57.675	ug/L	99
44) Toluene	10.39	91	528355	26.492	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	174857	25.584	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	103226	25.950	ug/L	97
47) Tetrachloroethene	10.87	164	102237	25.745	ug/L	92
49) 2-Hexanone	10.97	43	207344	57.978	ug/L	99
50) Dibromochloromethane	11.13	129	117406	25.877	ug/L	96
51) 1,2-Dibromoethane	11.24	107	101078	26.061	ug/L	95
52) Chlorobenzene	11.66	112	321921	25.326	ug/L	95
53) Ethylbenzene	11.74	91	564176	26.215	ug/L	99
54) m,p-Xylene	11.84	106	216539	26.752	ug/L	99
55) o-xylene	12.17	106	203715	26.889	ug/L	96
56) Styrene	12.19	104	365501	27.835	ug/L	99
57) Isopropylbenzene	12.47	105	563354	27.371	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	153783	27.118	ug/L	94
59) 1,2,3-Trichloropropane	12.77	75	118598	27.203	ug/L	98
62) Bromoform	12.35	173	79533	26.236	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	247999	24.962	ug/L	96
64) 1,4-Dichlorobenzene	13.59	146	264280	25.193	ug/L	96
65) 1,2-Dichlorobenzene	13.88	146	245398	25.354	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	30003	27.601	ug/L	95
67) 1,3,5-Trichlorobenzene	14.64	180	196336	25.548	ug/L	98
68) 1,2,4-trichlorobenzene	15.15	180	162164	25.874	ug/L	99
69) Naphthalene	15.38	128	407457	28.293	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	161083	26.567	ug/L	100

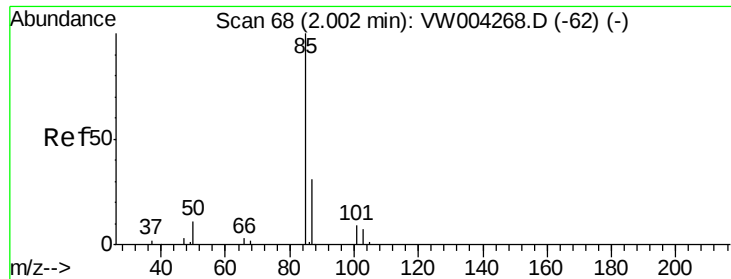
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.789 ug/L

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW004287.D

Acq: 27 Jul 2018 22:18

Instrument :

MSVOA_W

ClientSampleId :

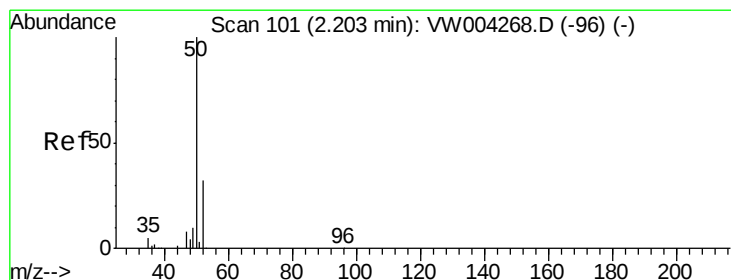
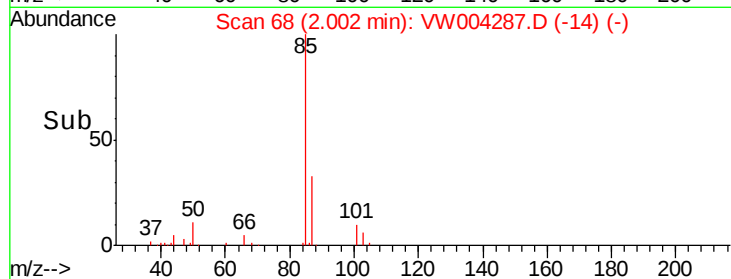
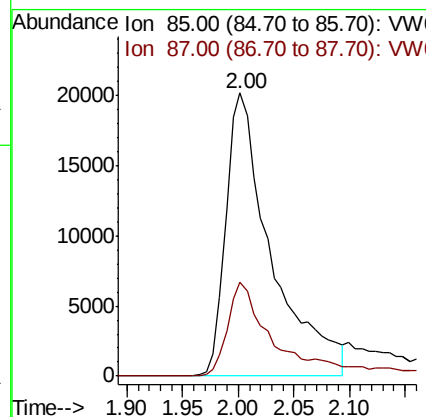
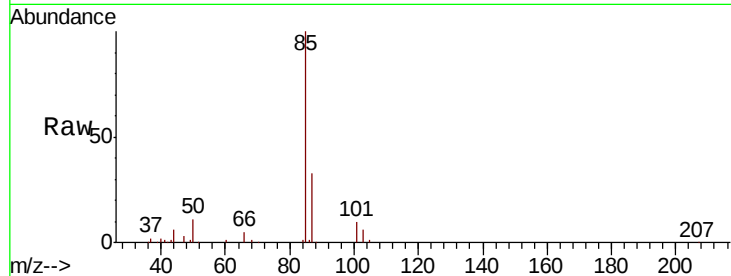
VSTD02594

Tgt Ion: 85 Resp: 57102

Ion Ratio Lower Upper

85 100

87 28.6 22.7 42.3



#3

Chloromethane

Concen: 24.345 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.01 min

Lab File: VW004287.D

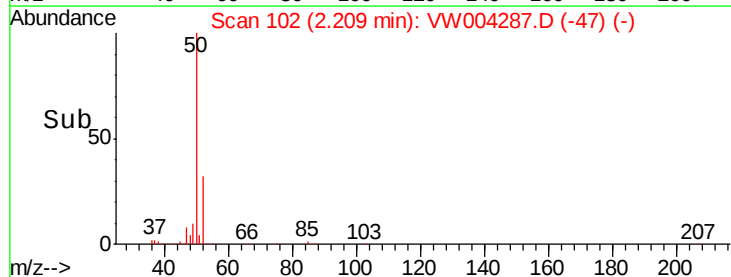
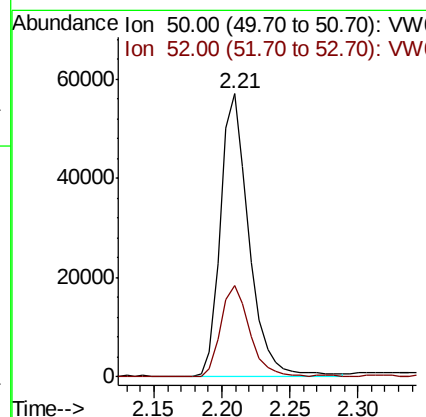
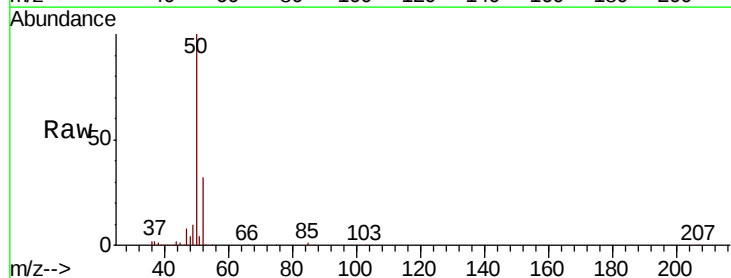
Acq: 27 Jul 2018 22:18

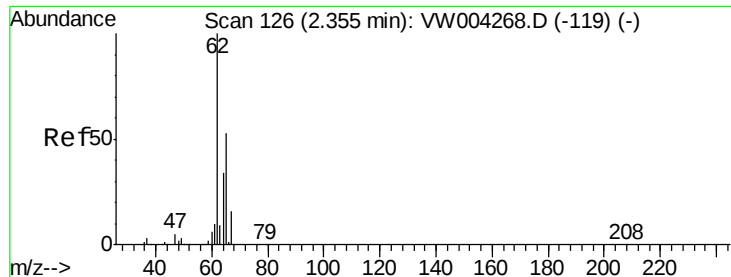
Tgt Ion: 50 Resp: 82492

Ion Ratio Lower Upper

50 100

52 32.1 23.2 43.2





#5

Vinyl chloride

Concen: 25.470 ug/L

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW004287.D

Acq: 27 Jul 2018 22:18

Instrument :

MSVOA_W

ClientSampleId :

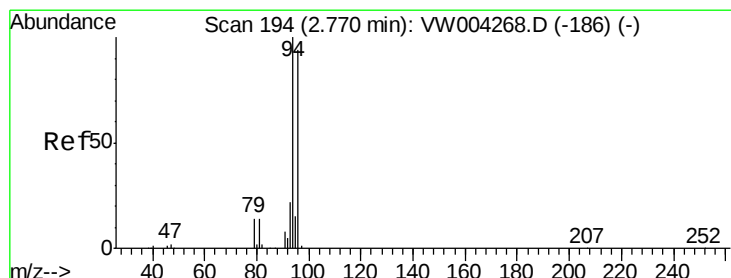
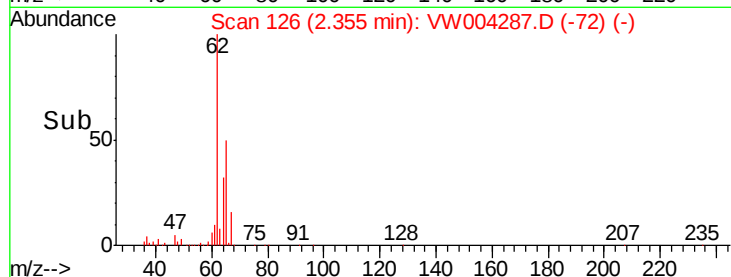
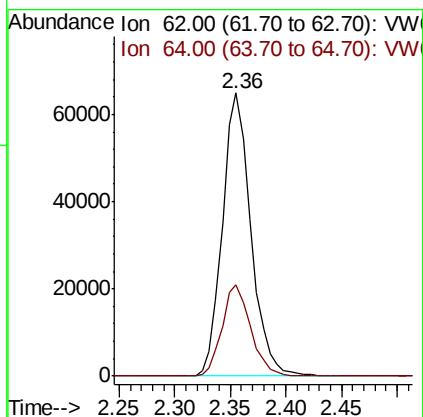
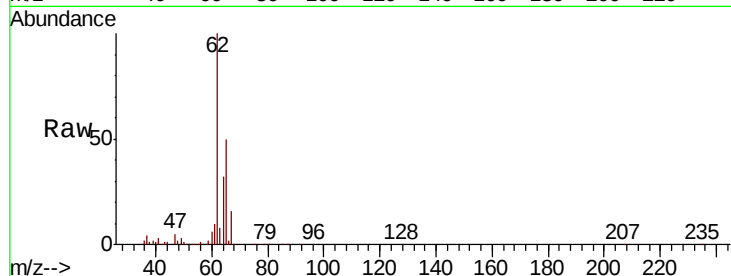
VSTD02594

Tgt Ion: 62 Resp: 115157

Ion Ratio Lower Upper

62 100

64 32.2 21.4 39.8



#6

Bromomethane

Concen: 24.964 ug/L

RT: 2.77 min Scan# 194

Delta R.T. 0.00 min

Lab File: VW004287.D

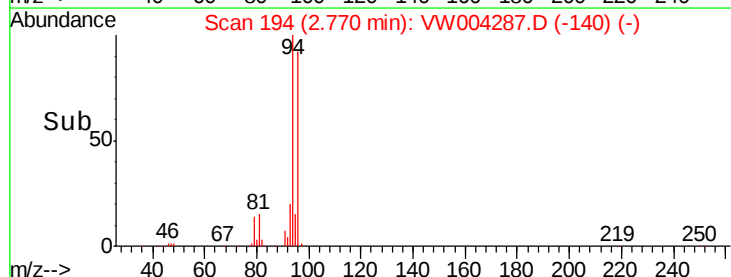
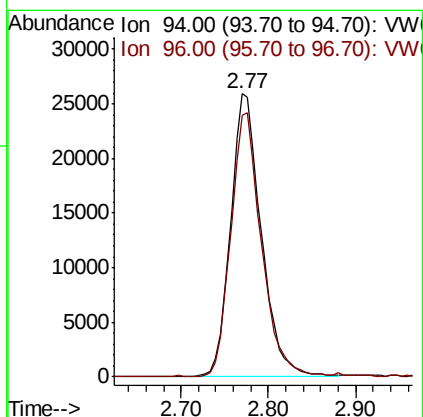
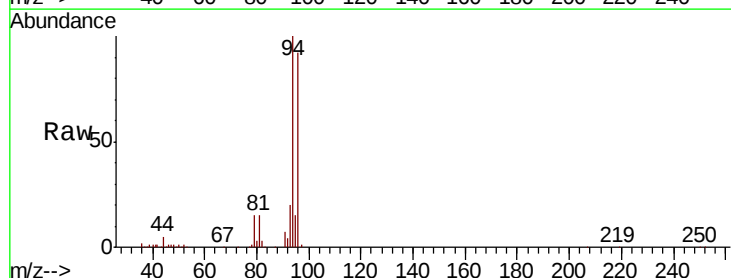
Acq: 27 Jul 2018 22:18

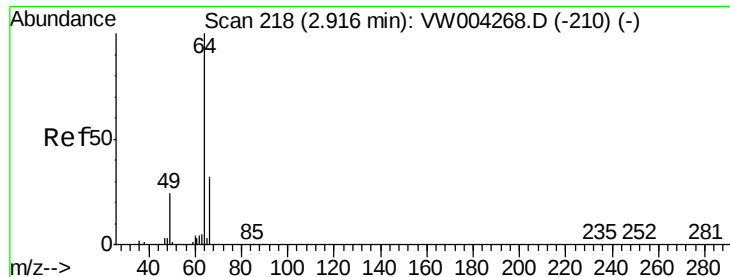
Tgt Ion: 94 Resp: 63234

Ion Ratio Lower Upper

94 100

96 93.5 9.2 175.6

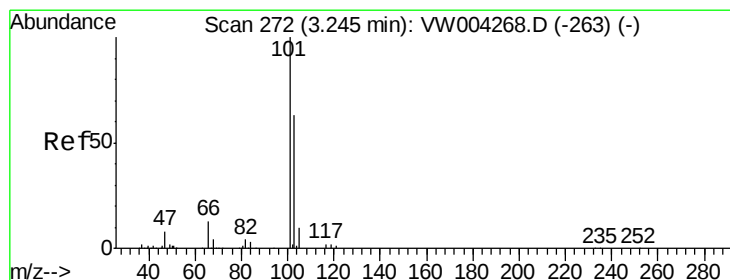
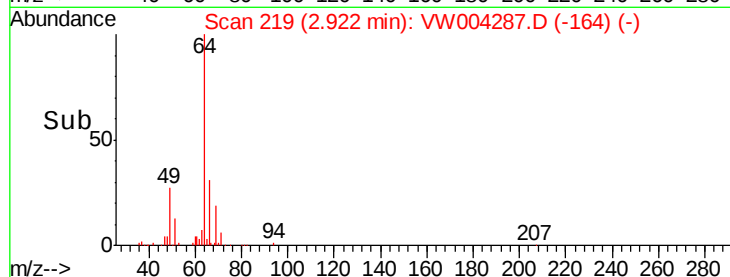
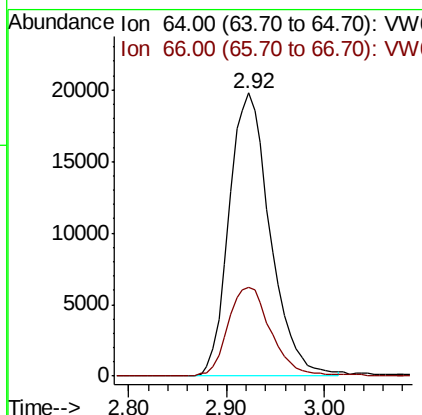
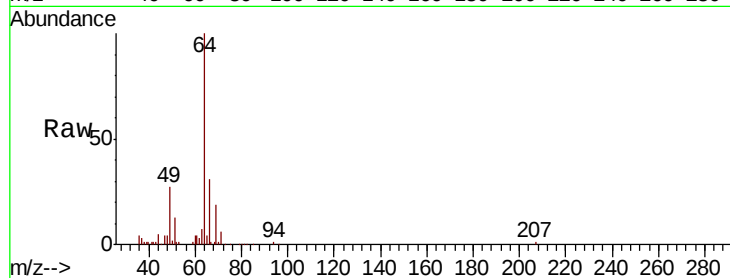




#8
Chloroethane
Concen: 23.752 ug/L
RT: 2.92 min Scan# 219
Delta R.T. 0.01 min
Lab File: VW004287.D
Acq: 27 Jul 2018 22:18

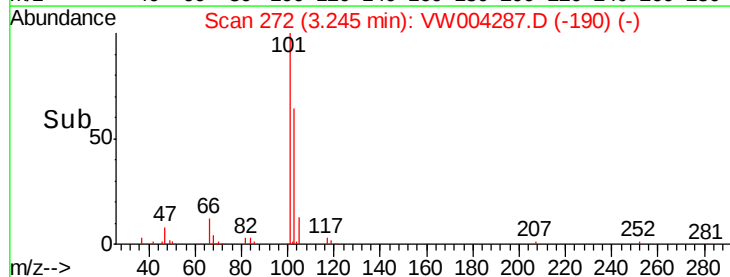
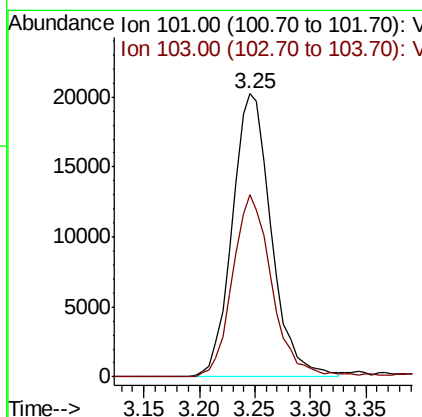
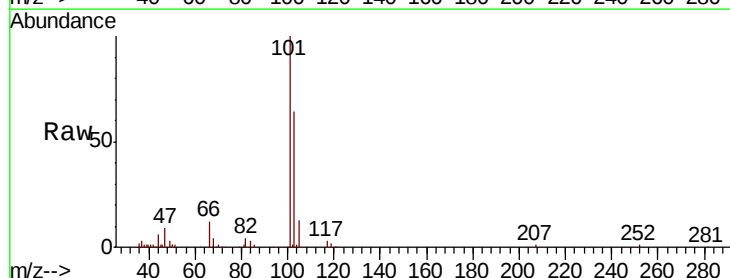
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ClientSampleId :
VSTD02594

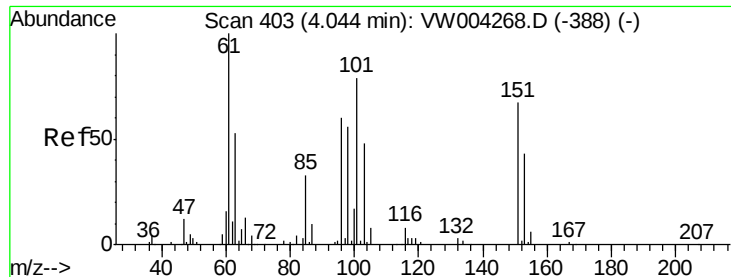
Tgt Ion: 64 Resp: 57711
Ion Ratio Lower Upper
64 100
66 31.4 21.6 40.2



#9
Trichlorofluoromethane
Concen: 22.464 ug/L
RT: 3.25 min Scan# 272
Delta R.T. 0.00 min
Lab File: VW004287.D
Acq: 27 Jul 2018 22:18

Tgt Ion: 101 Resp: 49156
Ion Ratio Lower Upper
101 100
103 64.4 44.6 82.8





#11

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

Concen: 27.021 ug/L

RT: 4.05 min Scan# 404

Delta R.T. 0.01 min

Lab File: VW004287.D

Acq: 27 Jul 2018 22:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

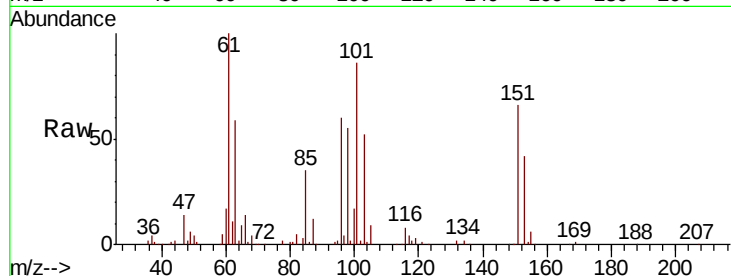
Tgt Ion:101 Resp: 116496

Ion Ratio Lower Upper

101 100

85 43.4 35.8 53.8

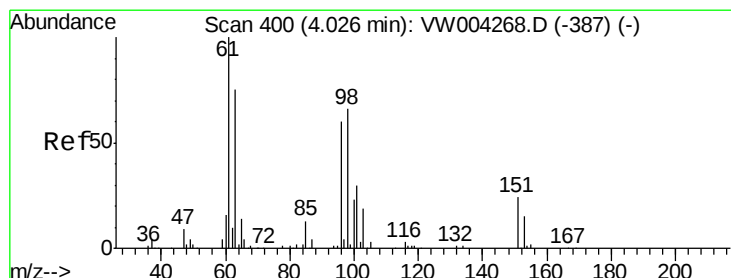
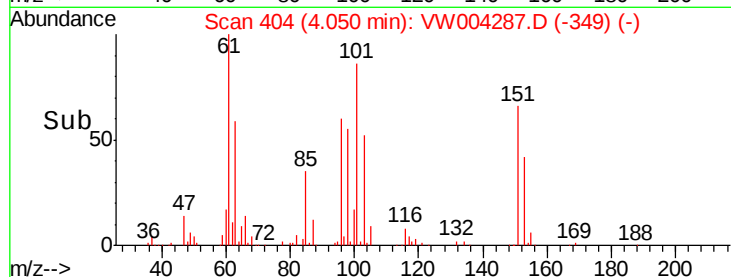
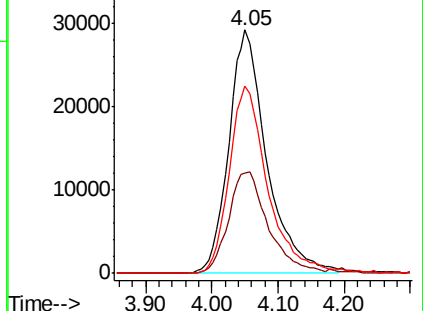
151 77.2 63.4 95.2



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: 26.441 ug/L

RT: 4.03 min Scan# 400

Delta R.T. 0.00 min

Lab File: VW004287.D

Acq: 27 Jul 2018 22:18

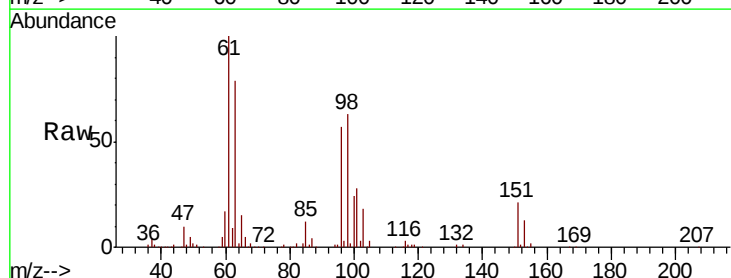
Tgt Ion: 96 Resp: 110341

Ion Ratio Lower Upper

96 100

61 174.1 133.1 247.3

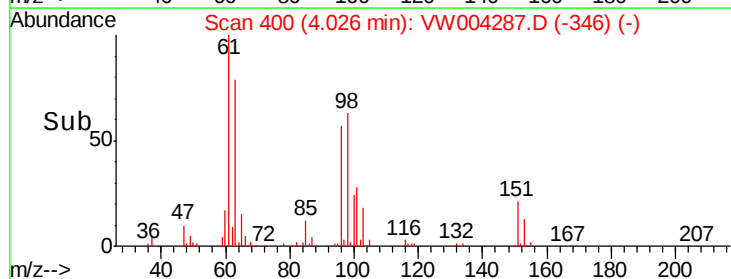
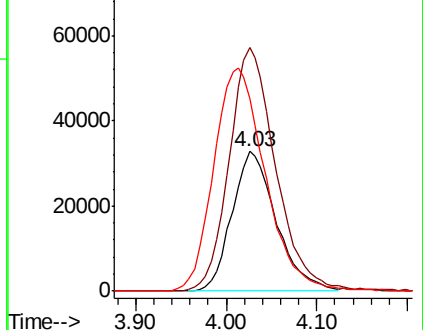
63 137.3 111.7 207.5

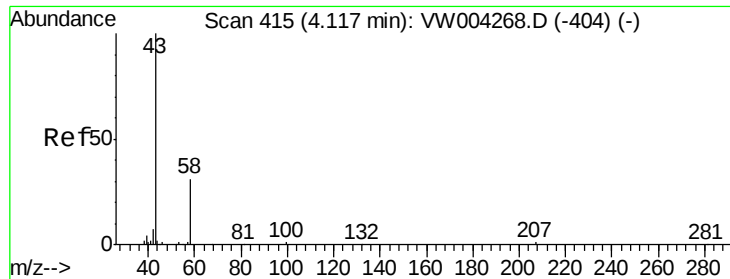


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 49.816 ug/L

RT: 4.12 min Scan# 415

Delta R.T. 0.00 min

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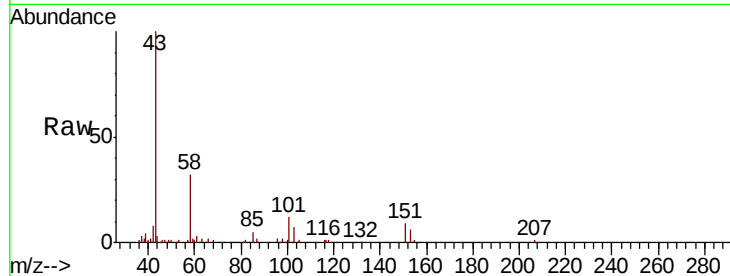
VSTD02594

Tgt Ion: 43 Resp: 103446

Ion Ratio Lower Upper

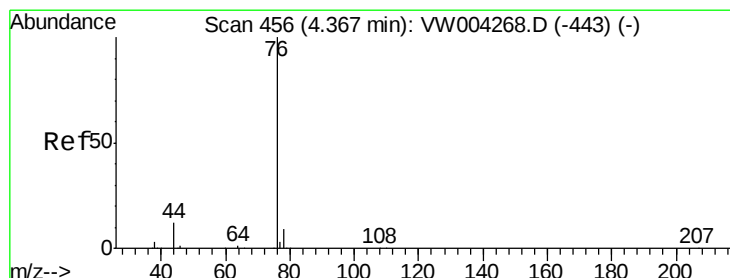
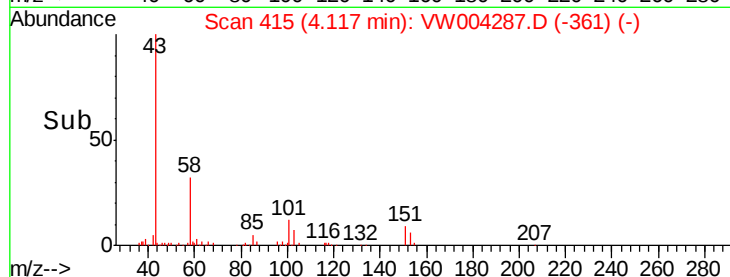
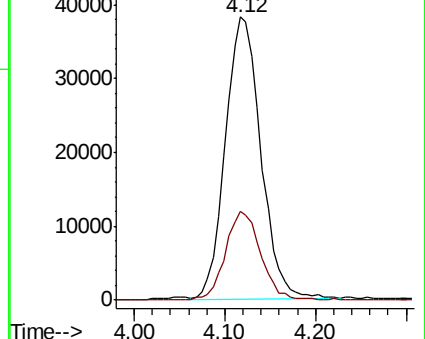
43 100

58 31.1 0.0 59.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 25.976 ug/L

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW004287.D

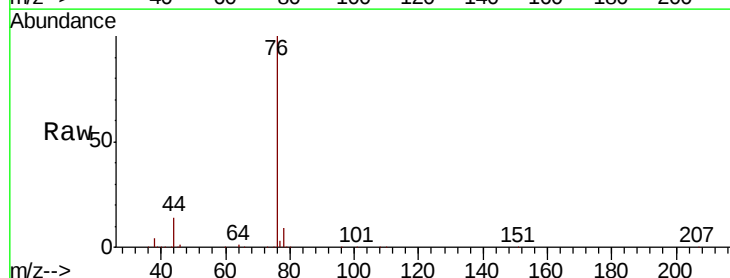
Acq: 27 Jul 2018 22:18

Tgt Ion: 76 Resp: 349008

Ion Ratio Lower Upper

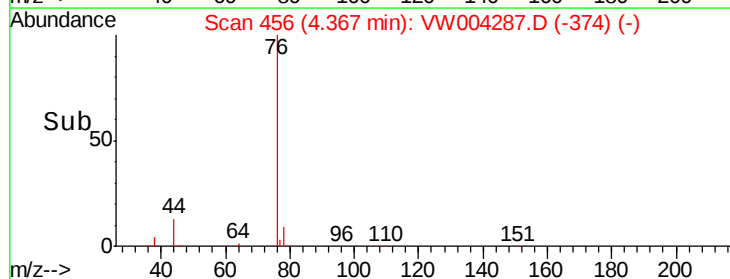
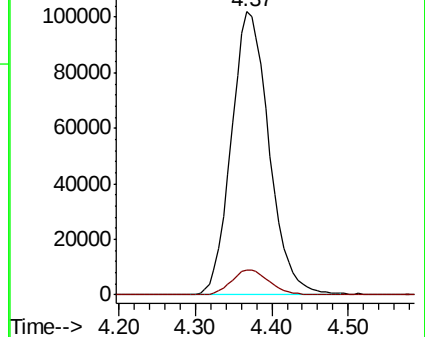
76 100

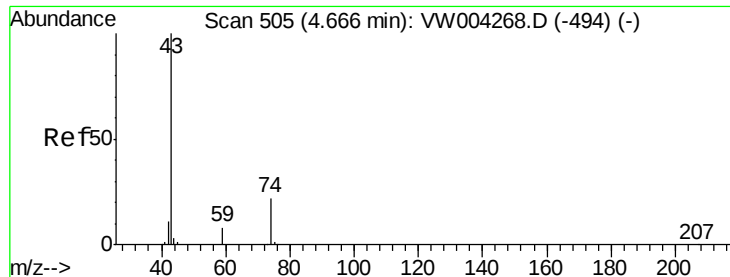
78 8.7 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

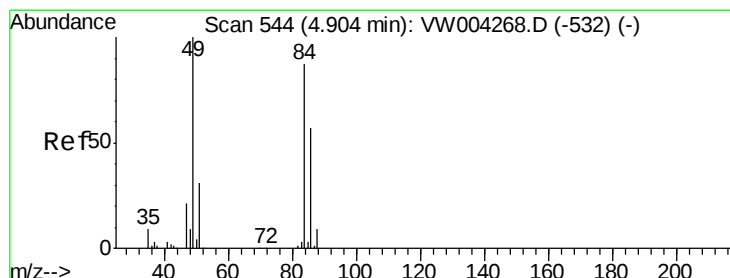
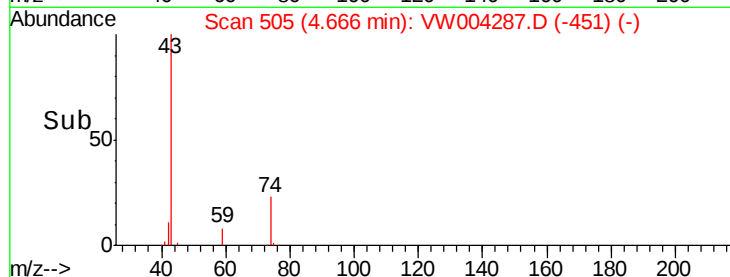
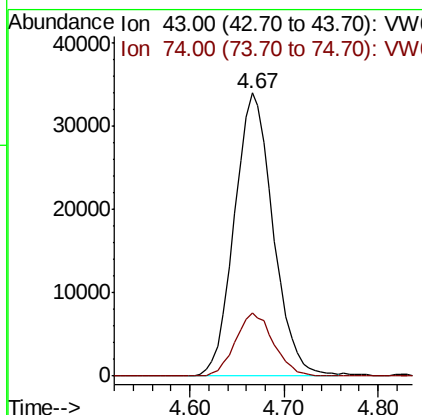
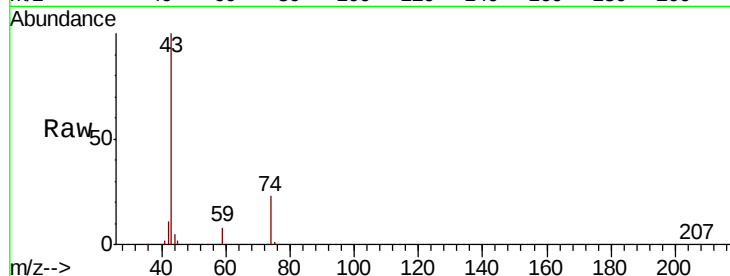




#15
Methyl Acetate
Concen: 28.324 ug/L
RT: 4.67 min Scan# 505
Delta R.T. 0.00 min
Lab File: VW004287.D
Acq: 27 Jul 2018 22:18

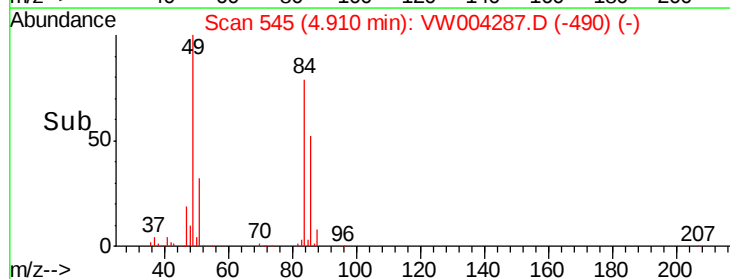
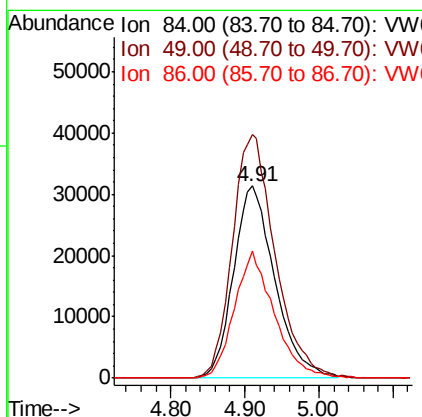
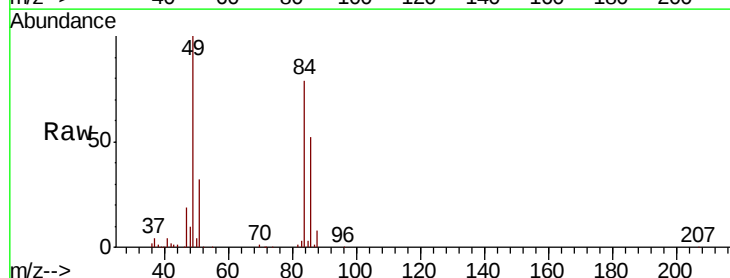
Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

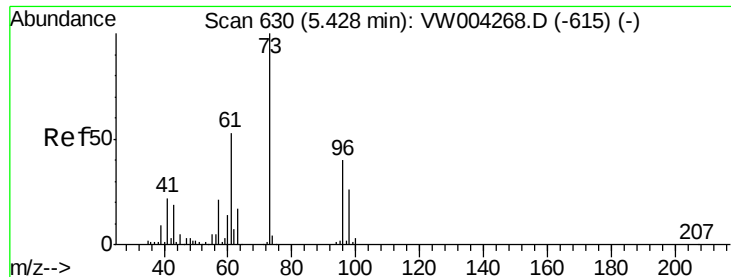
Tgt Ion: 43 Resp: 97836
Ion Ratio Lower Upper
43 100
74 21.9 17.0 25.6



#16
Methylene chloride
Concen: 24.095 ug/L
RT: 4.91 min Scan# 545
Delta R.T. 0.01 min
Lab File: VW004287.D
Acq: 27 Jul 2018 22:18

Tgt Ion: 84 Resp: 121902
Ion Ratio Lower Upper
84 100
49 126.7 90.9 168.7
86 66.4 44.4 82.5

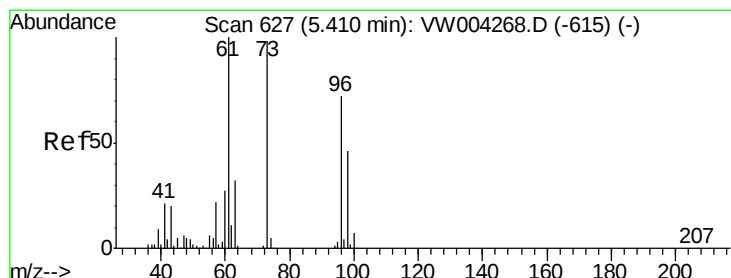
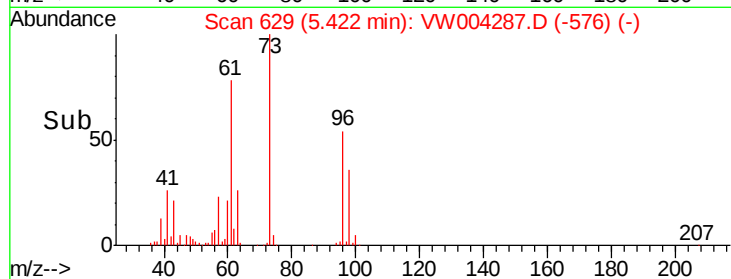
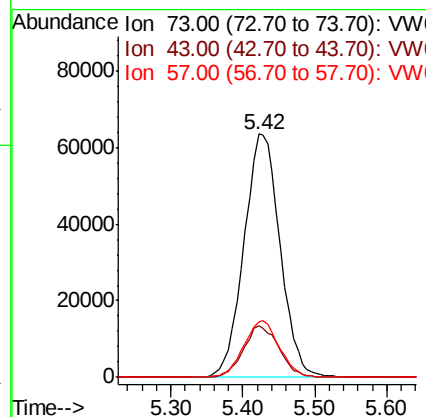
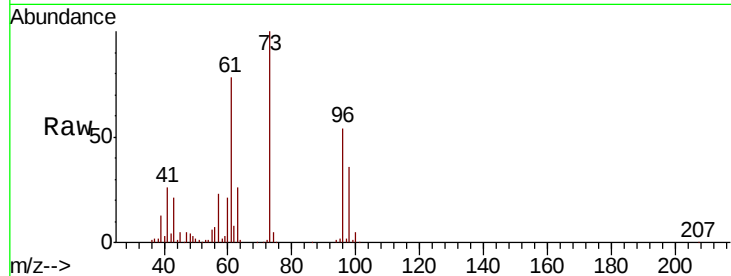




#17
Methyl tert-butyl Ether
Concen: 26.680 ug/L
RT: 5.42 min Scan# 629
Delta R.T. -0.01 min
Lab File: VW004287.D
Acq: 27 Jul 2018 22:18

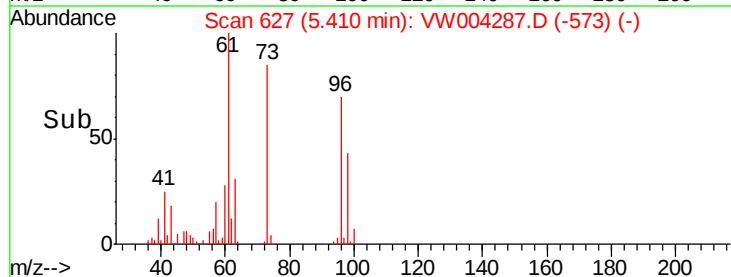
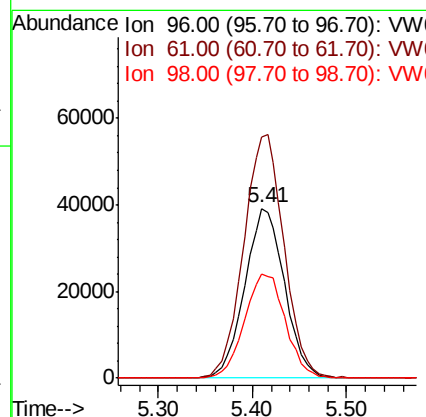
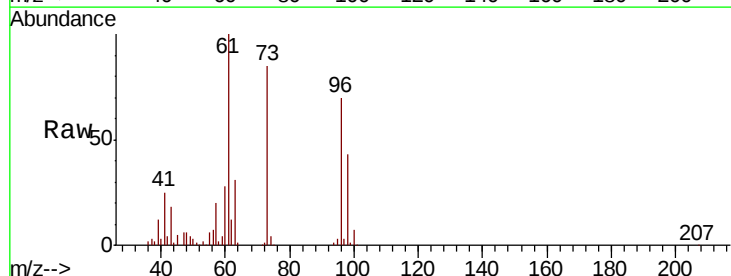
Instrument :
MSVOA_W
ClientSampled :
VSTD02594

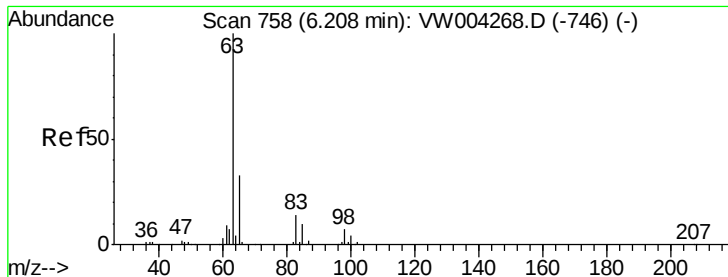
Tgt Ion: 73 Resp: 221022
Ion Ratio Lower Upper
73 100
43 21.1 17.8 26.6
57 22.9 18.7 28.1



#18
trans-1,2-Dichloroethene
Concen: 26.298 ug/L
RT: 5.41 min Scan# 627
Delta R.T. 0.00 min
Lab File: VW004287.D
Acq: 27 Jul 2018 22:18

Tgt Ion: 96 Resp: 115585
Ion Ratio Lower Upper
96 100
61 142.0 102.4 190.2
98 61.5 43.1 80.1





#19

1,1-Dichloroethane

Concen: 25.410 ug/L

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW004287.D

Acq: 27 Jul 2018 22:18

Instrument :

MSVOA_W

ClientSampled :

VSTD02594

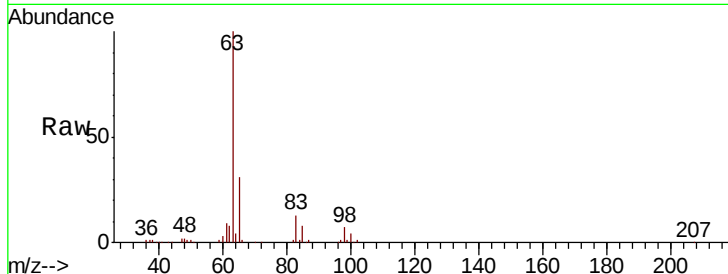
Tgt Ion: 63 Resp: 217554

Ion Ratio Lower Upper

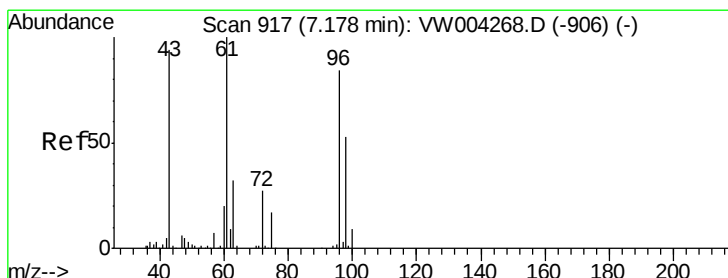
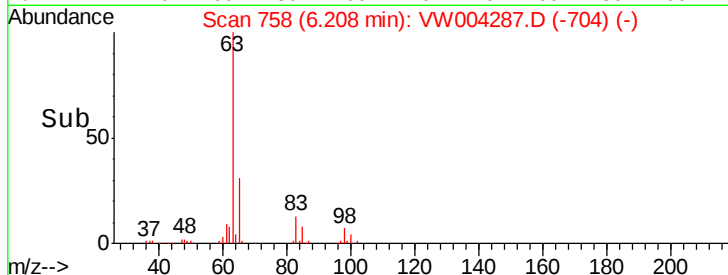
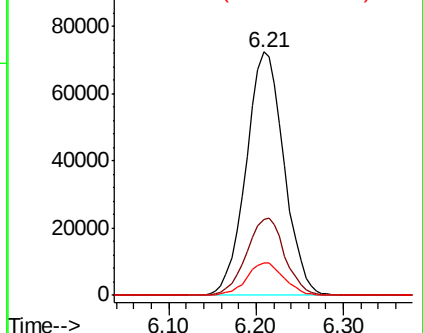
63 100

65 31.4 21.3 39.6

83 13.4 8.6 16.0



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: 52.872 ug/L

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW004287.D

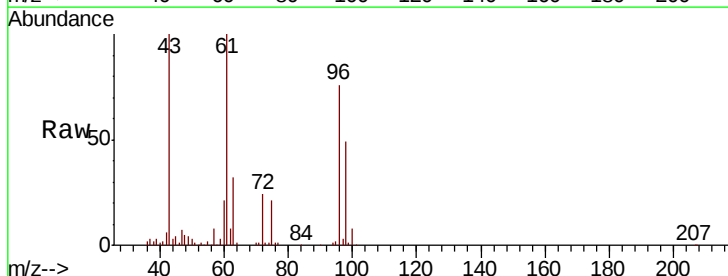
Acq: 27 Jul 2018 22:18

Tgt Ion: 43 Resp: 138390

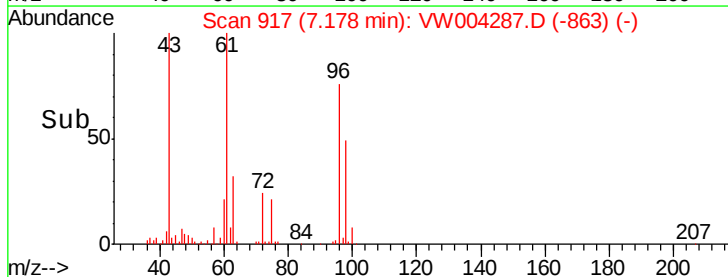
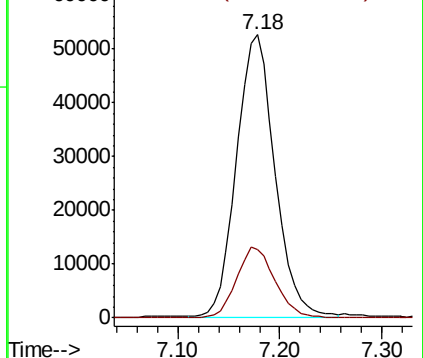
Ion Ratio Lower Upper

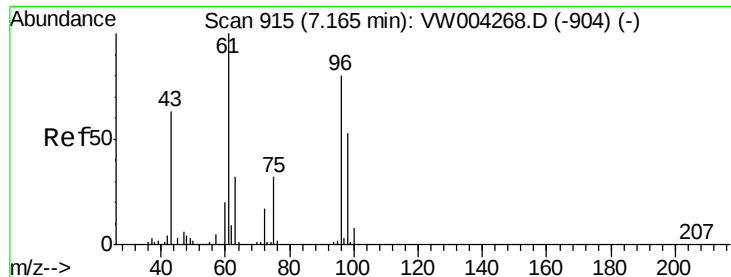
43 100

72 24.8 12.3 36.9



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

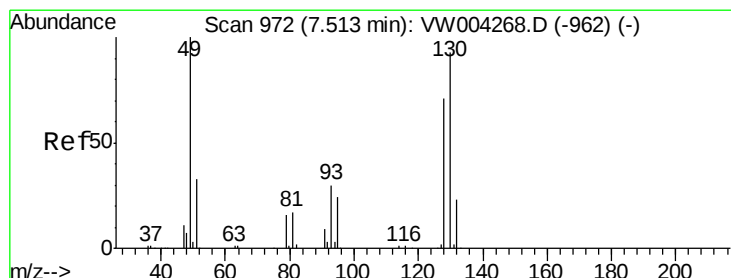
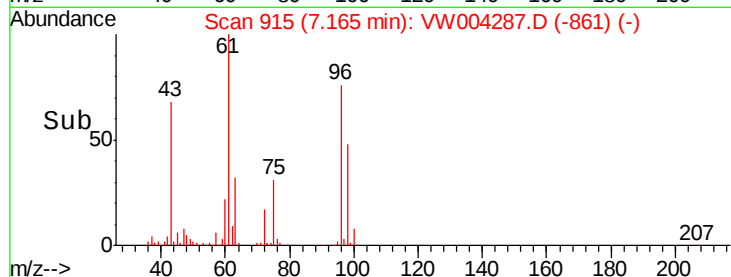
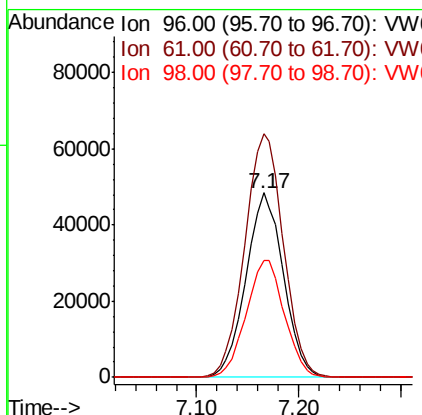
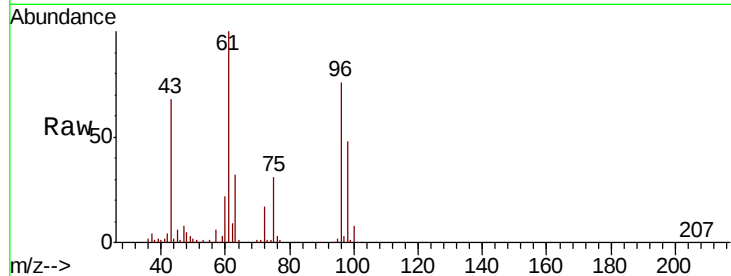




#22
 cis-1,2-Dichloroethene
 Concen: 25.340 ug/L
 RT: 7.17 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VW004287.D
 Acq: 27 Jul 2018 22:18

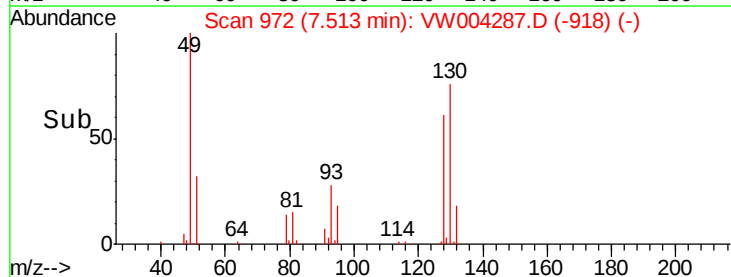
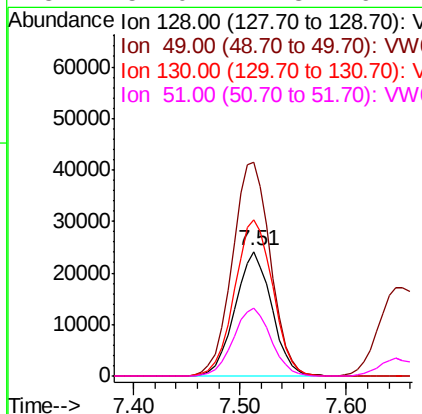
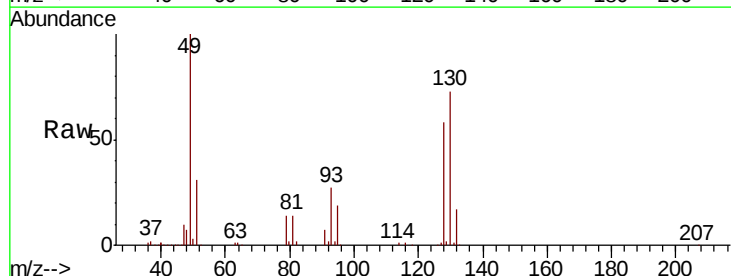
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02594

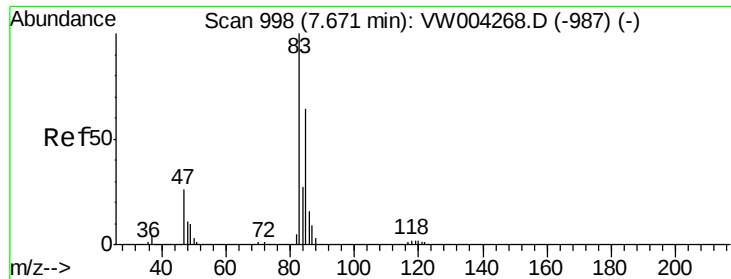
Tgt Ion: 96 Resp: 123815
 Ion Ratio Lower Upper
 96 100
 61 132.0 95.1 176.7
 98 63.5 45.2 84.0



#23
 Bromochloromethane
 Concen: 25.290 ug/L
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004287.D
 Acq: 27 Jul 2018 22:18

Tgt Ion: 128 Resp: 58498
 Ion Ratio Lower Upper
 128 100
 49 171.4 120.5 223.7
 130 125.2 88.5 164.4
 51 54.0 42.8 64.2





#25

Chloroform

Concen: 24.907 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.01 min

Lab File: VW004287.D

Acq: 27 Jul 2018 22:18

Instrument :

MSVOA_W

ClientSampleId :

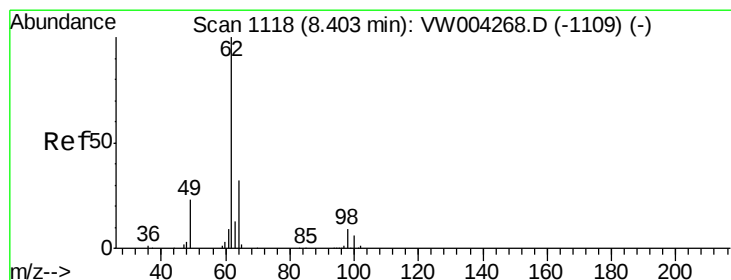
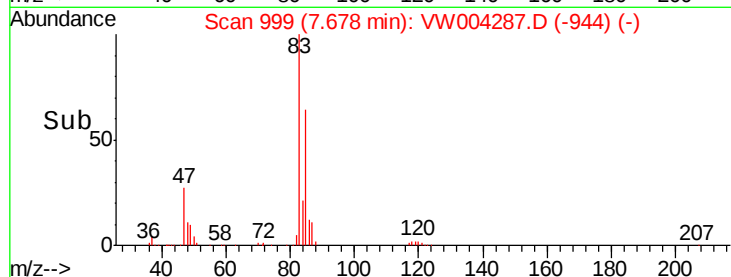
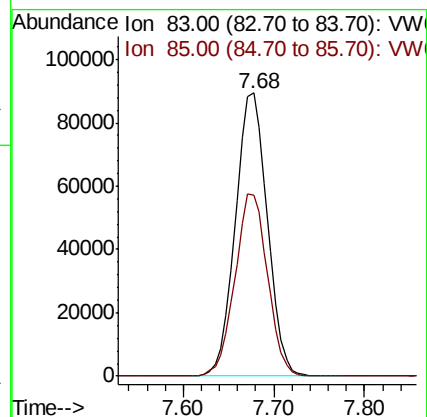
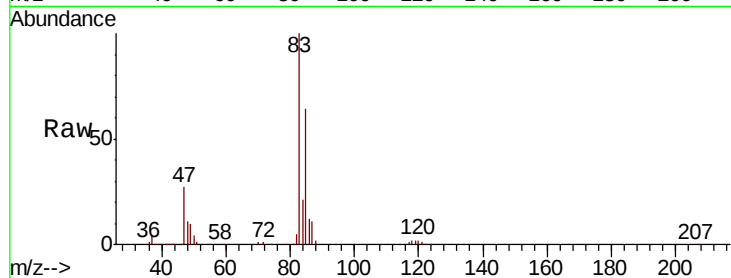
VSTD02594

Tgt Ion: 83 Resp: 218649

Ion Ratio Lower Upper

83 100

85 65.6 45.5 84.5



#27

1,2-Dichloroethane

Concen: 24.583 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW004287.D

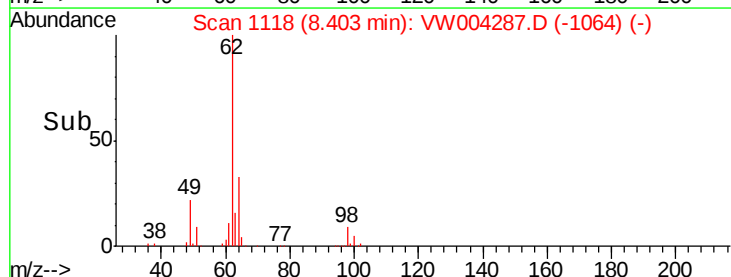
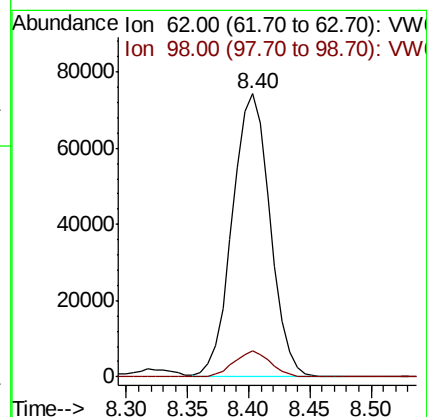
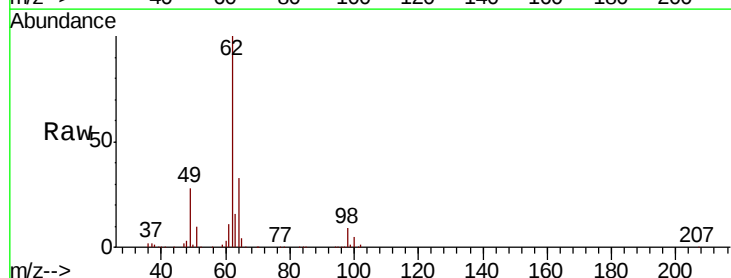
Acq: 27 Jul 2018 22:18

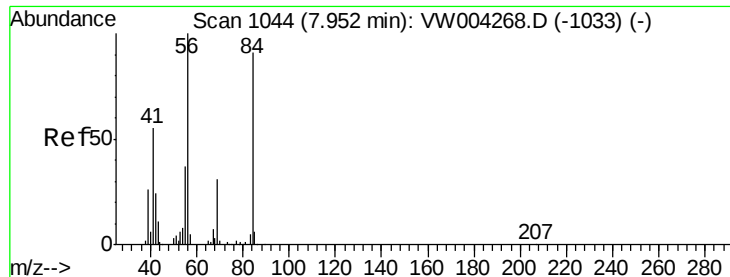
Tgt Ion: 62 Resp: 158739

Ion Ratio Lower Upper

62 100

98 9.4 7.0 10.4

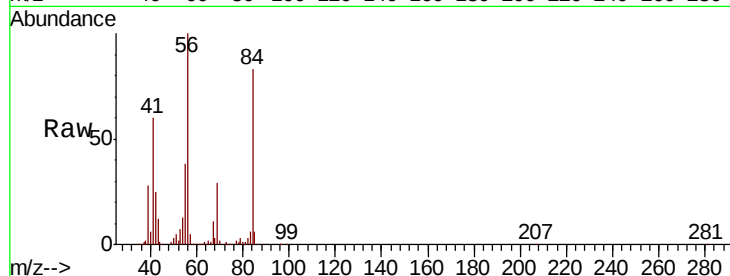




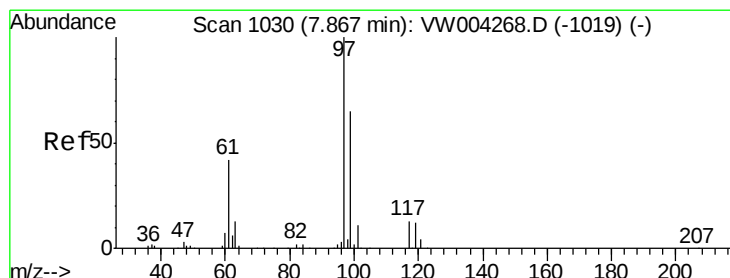
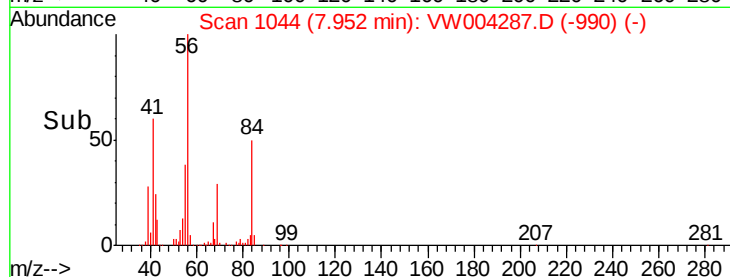
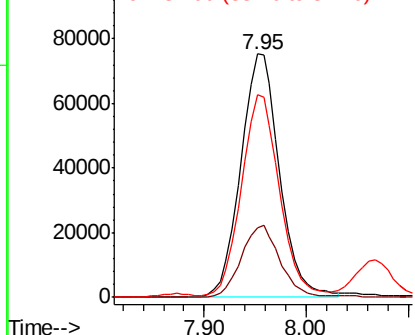
#30
Cyclohexane
Concen: 27.427 ug/L
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW004287.D
Acq: 27 Jul 2018 22:18

Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

Tgt Ion: 56 Resp: 199212
Ion Ratio Lower Upper
56 100
69 29.6 23.2 34.8
84 81.6 64.0 96.0

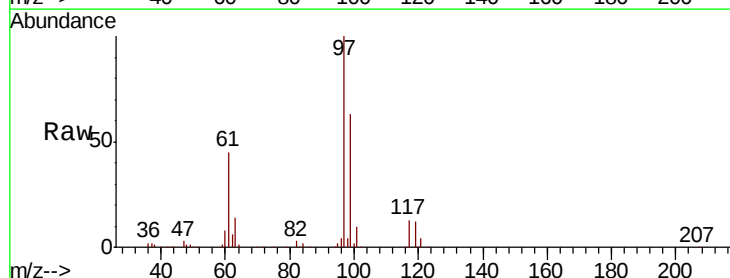


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

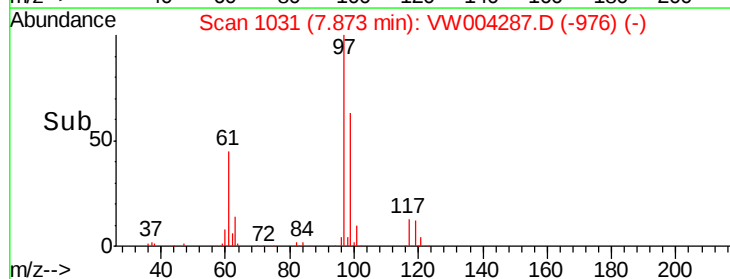
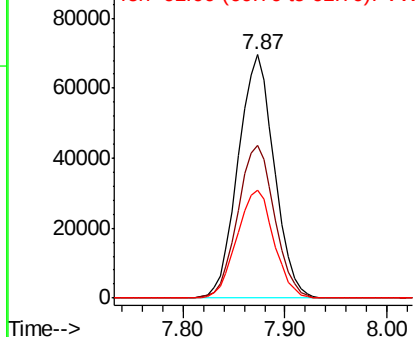


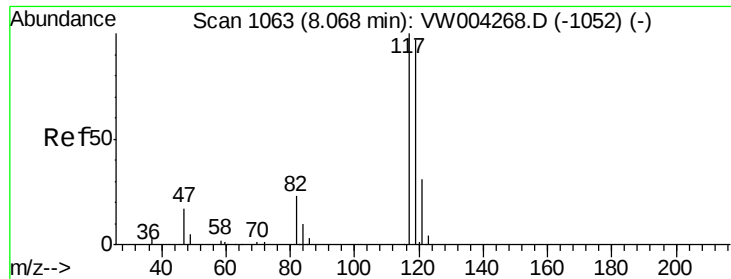
#31
1,1,1-Trichloroethane
Concen: 25.797 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VW004287.D
Acq: 27 Jul 2018 22:18

Tgt Ion: 97 Resp: 170886
Ion Ratio Lower Upper
97 100
99 64.2 51.3 76.9
61 45.8 37.1 55.7



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 26.058 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004287.D

Acq: 27 Jul 2018 22:18

Instrument :

MSVOA_W

ClientSampleId :

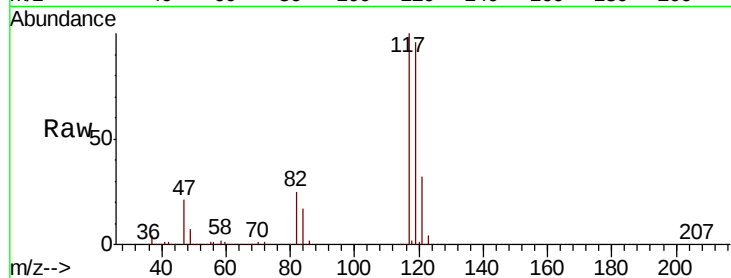
VSTD02594

Tgt Ion:117 Resp: 167889

Ion Ratio Lower Upper

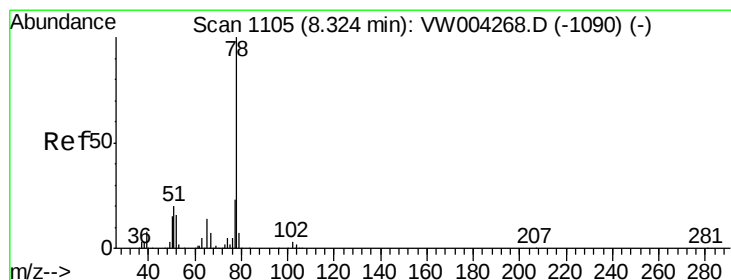
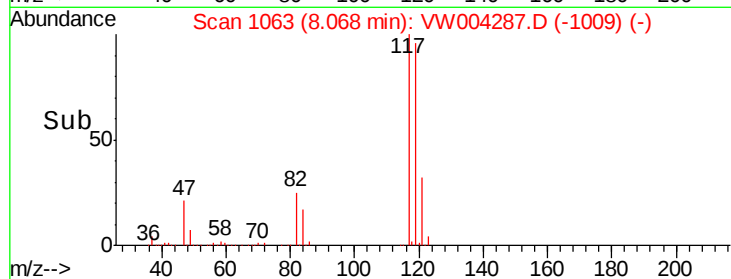
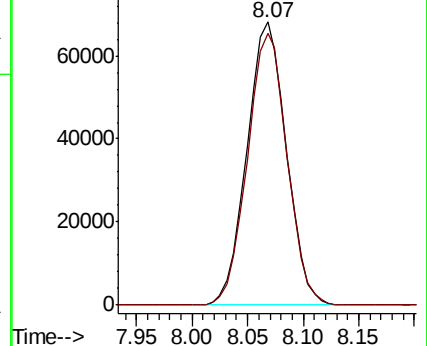
117 100

119 96.3 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.147 ug/L

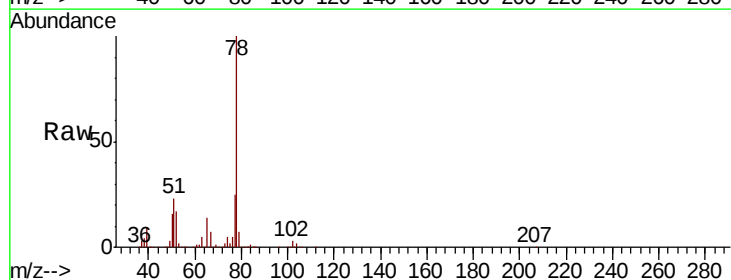
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

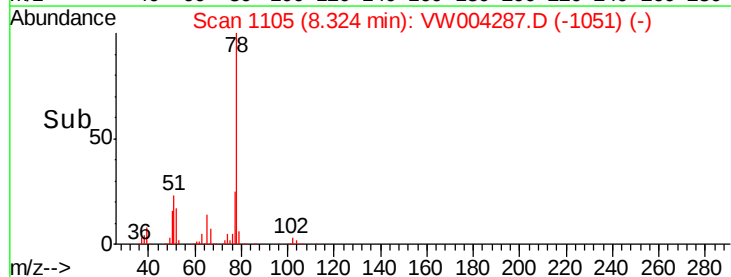
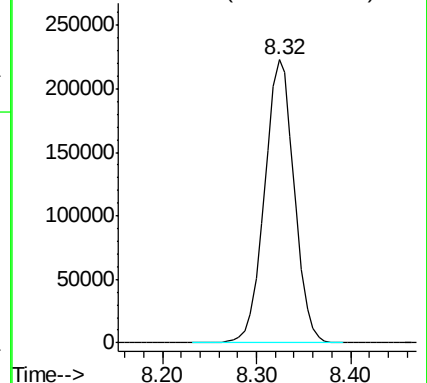
Lab File: VW004287.D

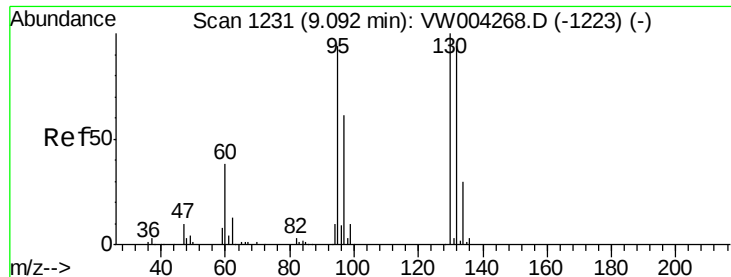
Acq: 27 Jul 2018 22:18

Tgt Ion: 78 Resp: 493405



Abundance Ion 78.00 (77.70 to 78.70): VW

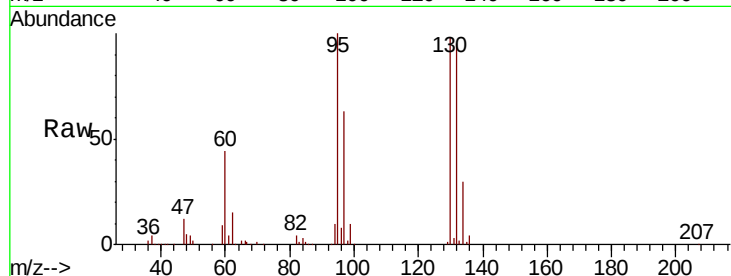




#35
 Trichloroethene
 Concen: 25.519 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW004287.D
 Acq: 27 Jul 2018 22:18

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02594

Tgt Ion:	95	Resp:	126681
Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.9	83.5
132	96.3	67.4	125.2
130	100.3	70.2	130.4



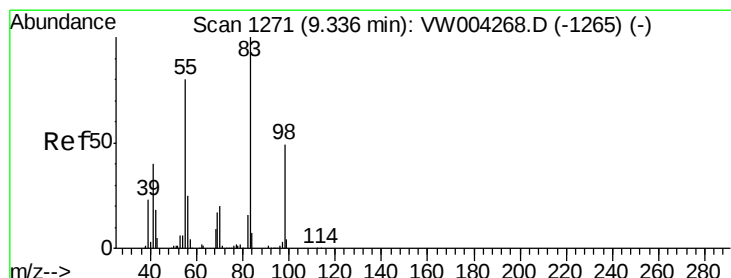
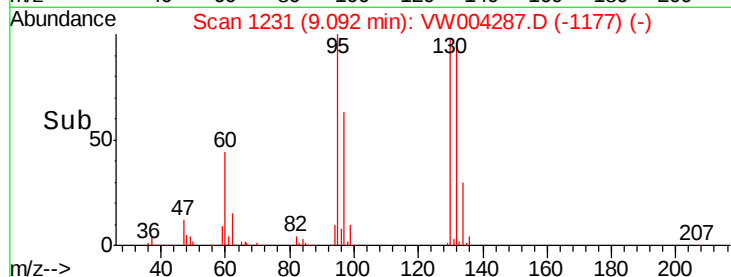
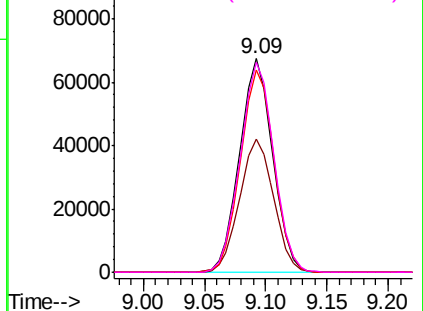
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

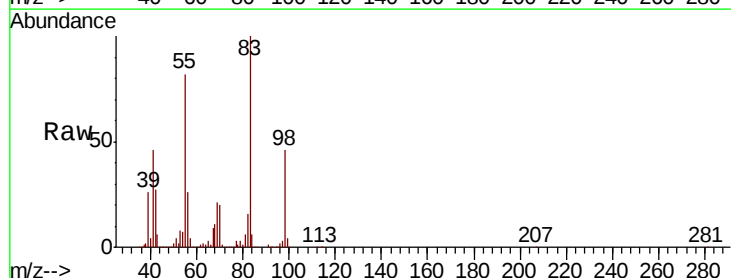
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 27.224 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VW004287.D
 Acq: 27 Jul 2018 22:18

Tgt Ion:	83	Resp:	225860
Ion	Ratio	Lower	Upper
83	100		
55	81.3	65.5	98.3
98	45.8	37.1	55.7

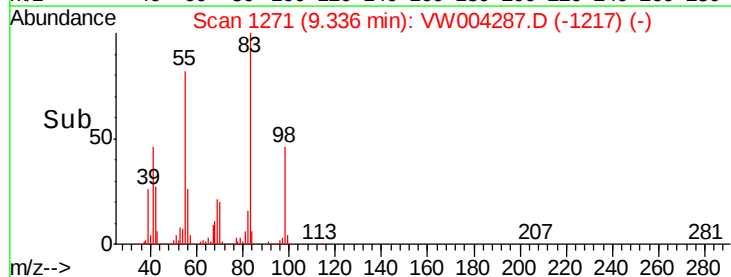
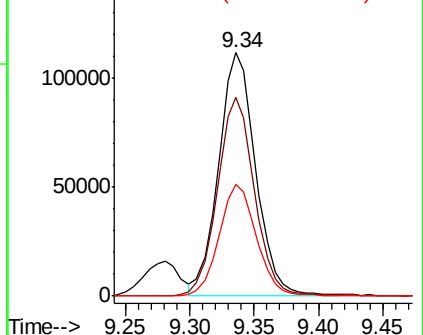


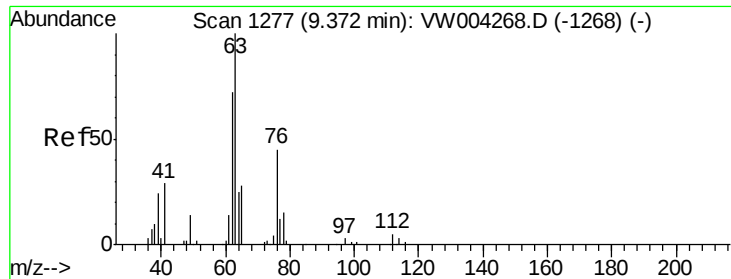
Abundance

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

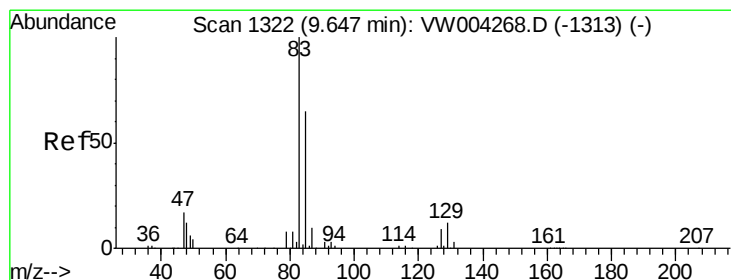
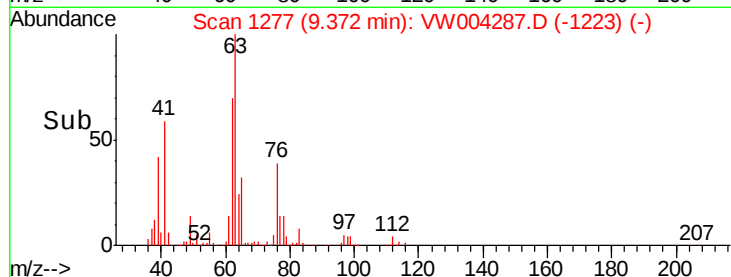
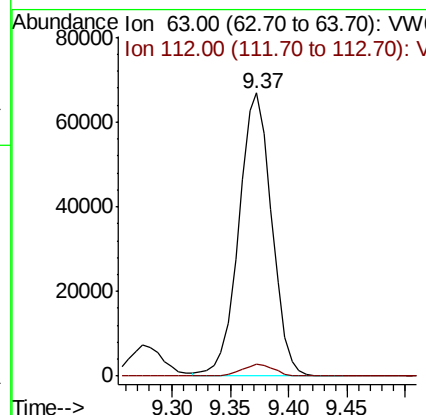
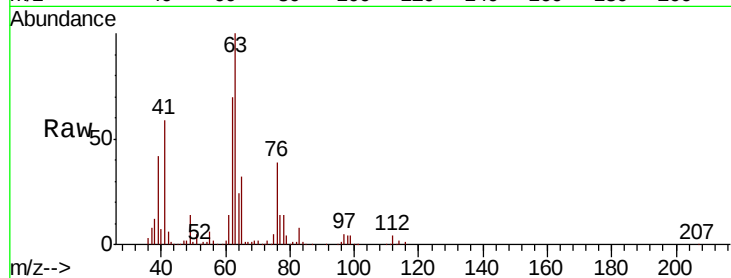




#40
1,2-Dichloropropane
Concen: 25.721 ug/L
RT: 9.37 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VW004287.D
Acq: 27 Jul 2018 22:18

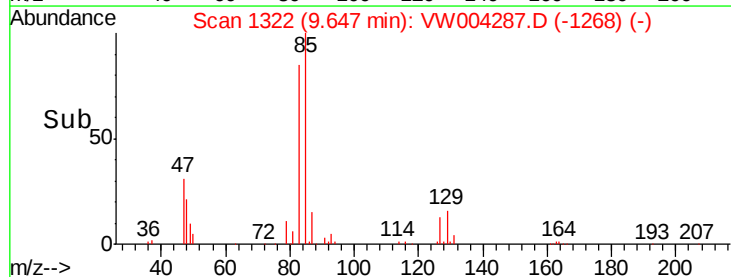
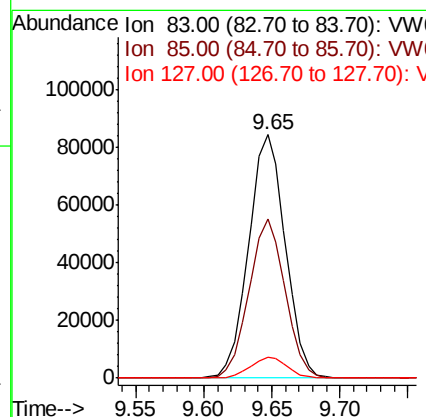
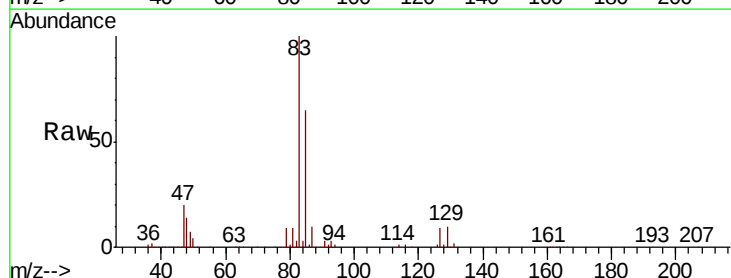
Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

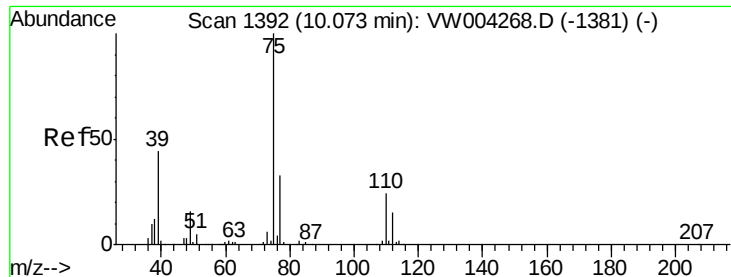
Tgt Ion: 63 Resp: 131787
Ion Ratio Lower Upper
63 100
112 4.3 3.2 4.8



#41
Bromodichloromethane
Concen: 25.214 ug/L
RT: 9.65 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VW004287.D
Acq: 27 Jul 2018 22:18

Tgt Ion: 83 Resp: 159522
Ion Ratio Lower Upper
83 100
85 65.3 44.0 81.8
127 8.6 7.2 10.8





#42

cis-1,3-Dichloropropene

Concen: 25.284 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW004287.D

Acq: 27 Jul 2018 22:18

Instrument :

MSVOA_W

ClientSampleId :

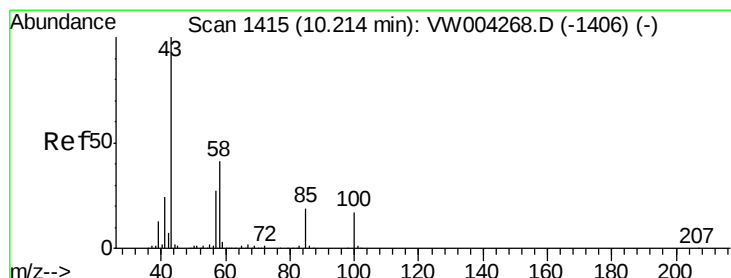
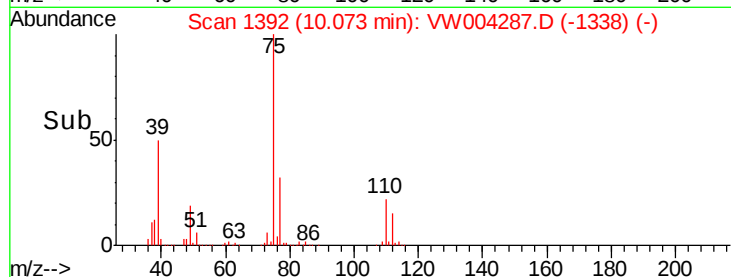
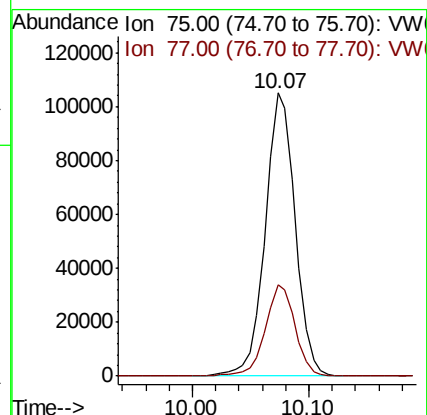
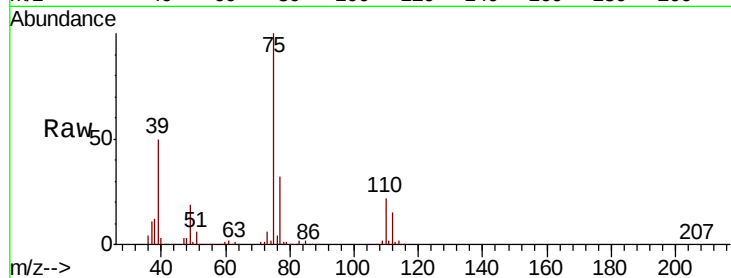
VSTD02594

Tgt Ion: 75 Resp: 188434

Ion Ratio Lower Upper

75 100

77 32.1 22.6 42.0



#43

4-Methyl-2-pentanone

Concen: 57.675 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004287.D

Acq: 27 Jul 2018 22:18

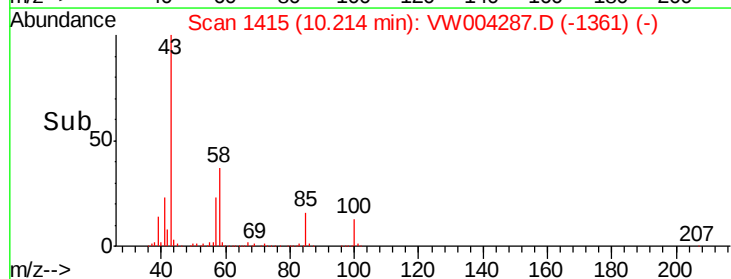
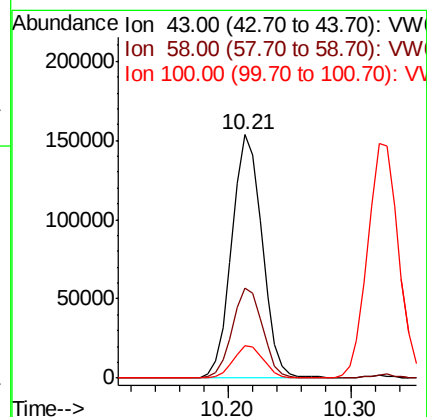
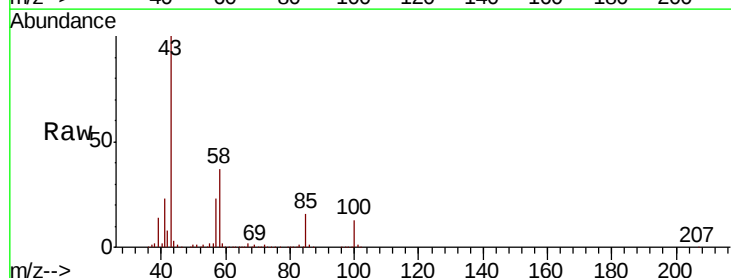
Tgt Ion: 43 Resp: 263245

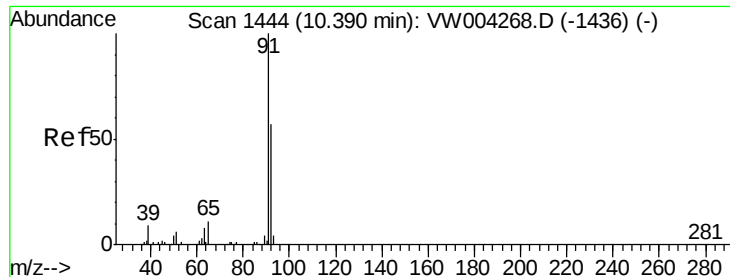
Ion Ratio Lower Upper

43 100

58 37.2 29.4 44.2

100 13.5 10.6 16.0





#44

Toluene

Concen: 26.492 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004287.D

Acq: 27 Jul 2018 22:18

Instrument :

MSVOA_W

ClientSampleId :

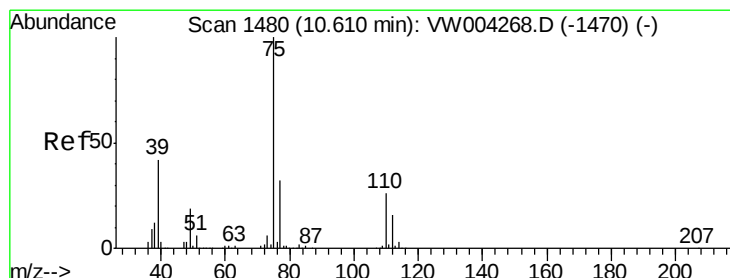
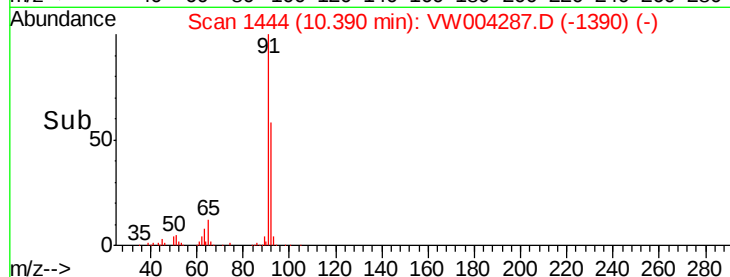
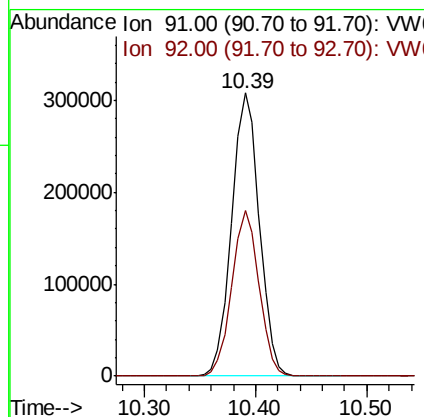
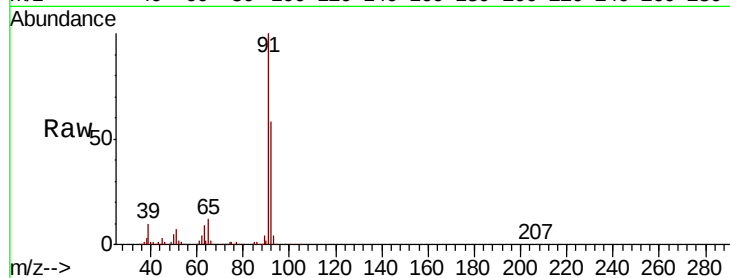
VSTD02594

Tgt Ion: 91 Resp: 528355

Ion Ratio Lower Upper

91 100

92 58.3 39.9 74.1



#45

trans-1,3-Dichloropropene

Concen: 25.584 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004287.D

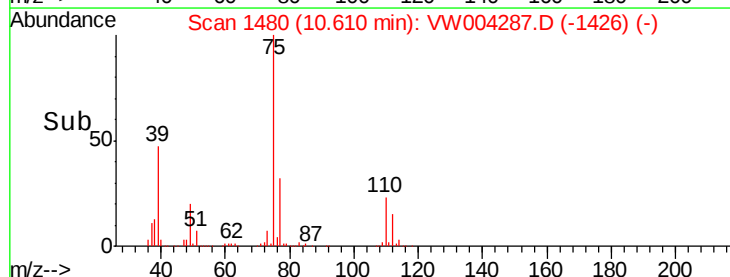
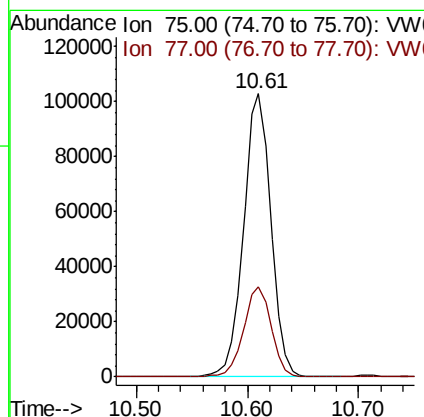
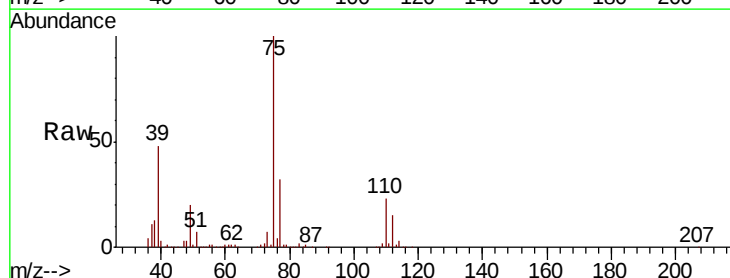
Acq: 27 Jul 2018 22:18

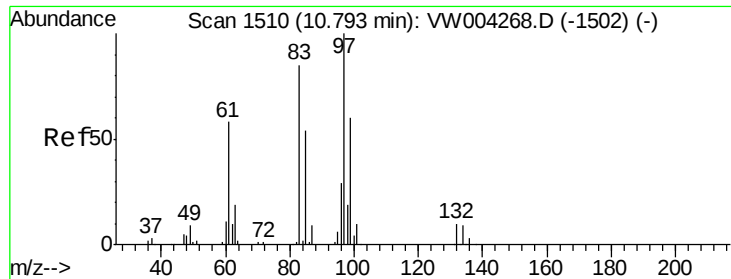
Tgt Ion: 75 Resp: 174857

Ion Ratio Lower Upper

75 100

77 31.6 21.6 40.2



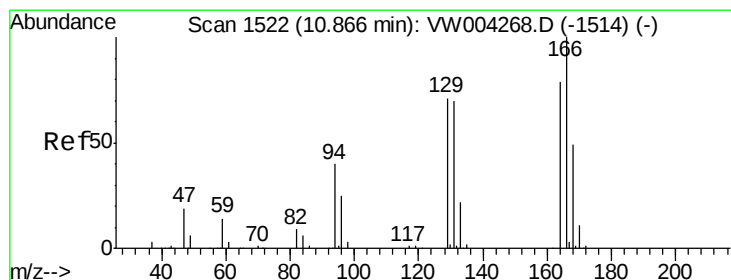
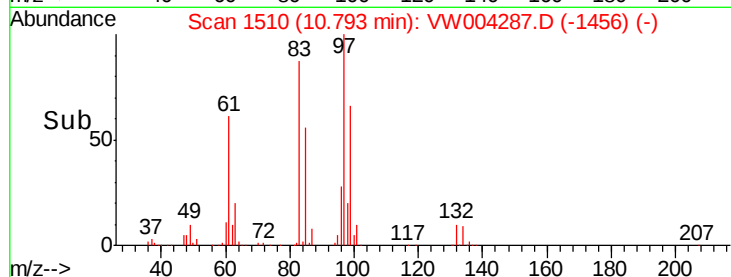
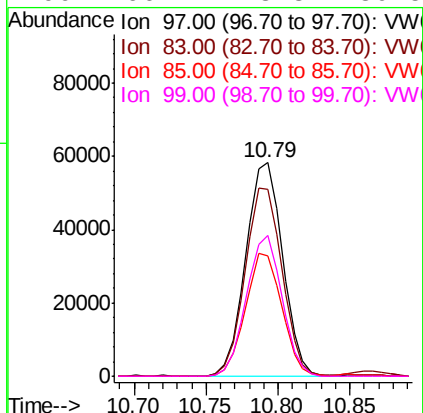
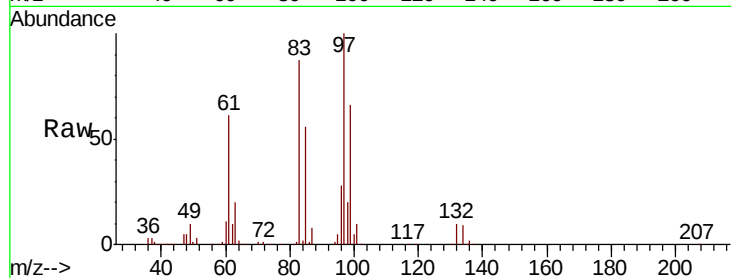


#46
 1,1,2-Trichloroethane
 Concen: 25.950 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004287.D
 Acq: 27 Jul 2018 22:18

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02594

Tgt Ion: 97 Resp: 103226

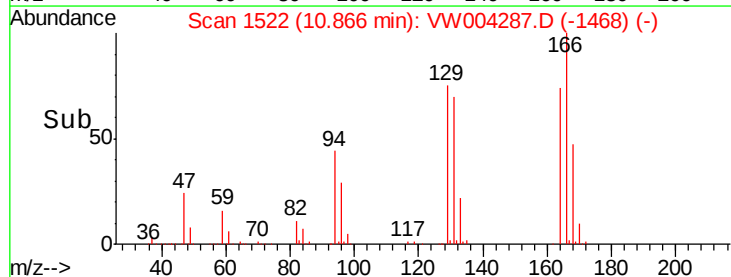
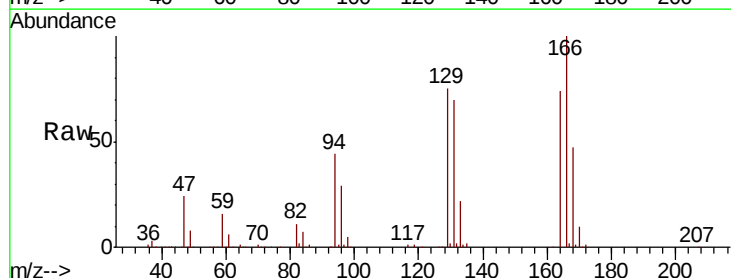
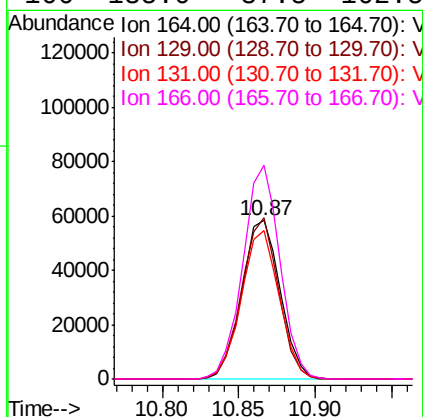
Ion	Ratio	Lower	Upper
97	100		
83	87.4	59.8	111.0
85	56.1	39.3	73.1
99	66.1	43.3	80.5

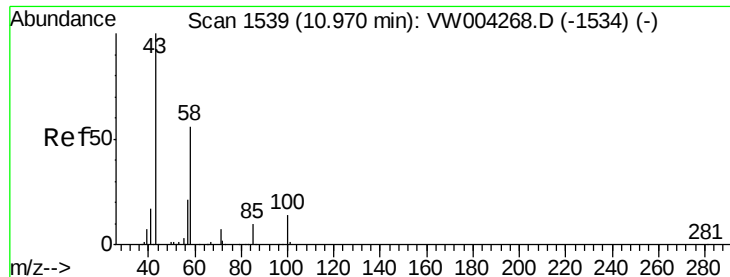


#47
 Tetrachloroethene
 Concen: 25.745 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004287.D
 Acq: 27 Jul 2018 22:18

Tgt Ion: 164 Resp: 102237

Ion	Ratio	Lower	Upper
164	100		
129	101.6	63.4	117.8
131	94.0	63.1	117.1
166	135.0	87.5	162.5

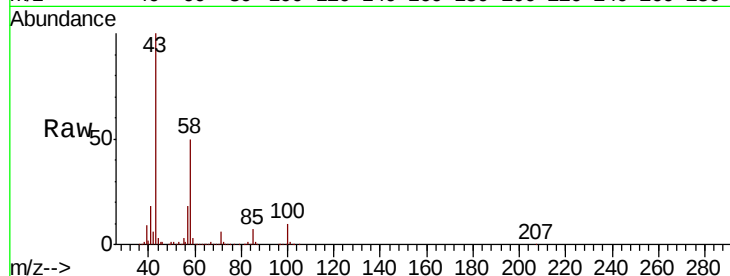




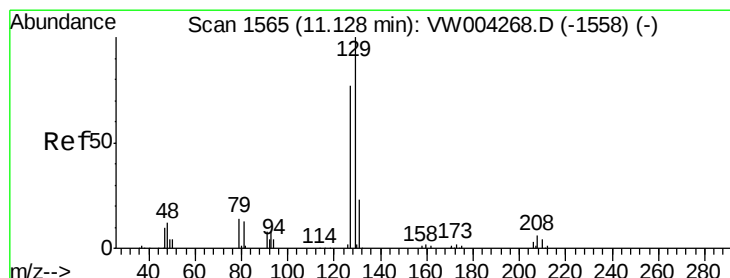
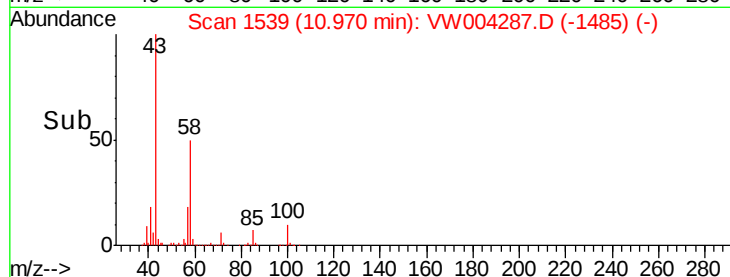
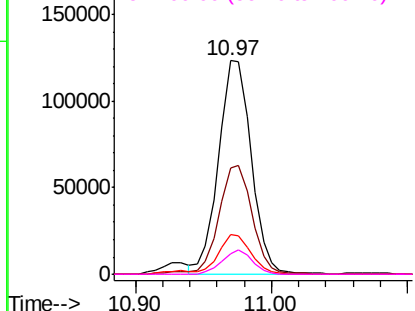
#49
2-Hexanone
Concen: 57.978 ug/L
RT: 10.97 min Scan# 1539
Delta R.T. 0.00 min
Lab File: VW004287.D
Acq: 27 Jul 2018 22:18

Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

Tgt Ion: 43 Resp: 207344
Ion Ratio Lower Upper
43 100
58 51.0 39.8 59.8
57 17.7 13.9 20.9
100 10.2 8.0 12.0

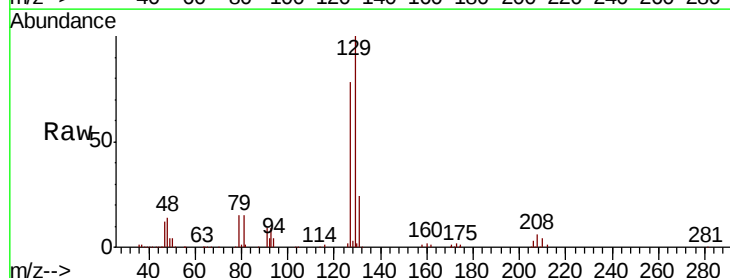


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

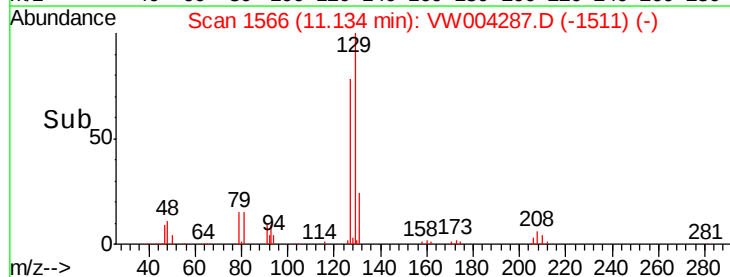
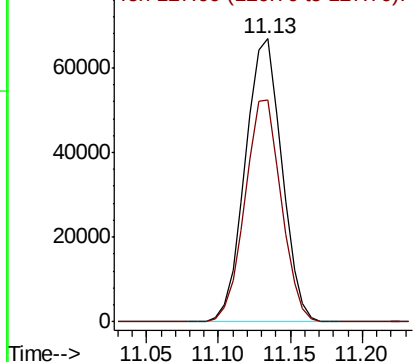


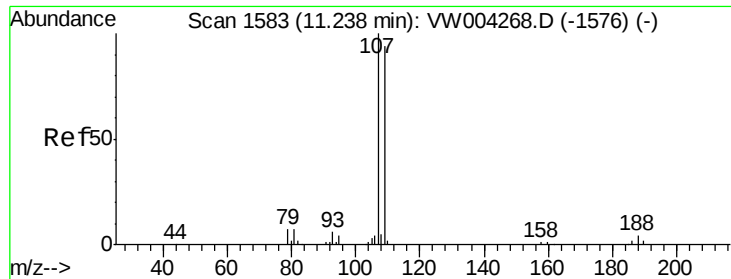
#50
Dibromochloromethane
Concen: 25.877 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VW004287.D
Acq: 27 Jul 2018 22:18

Tgt Ion: 129 Resp: 117406
Ion Ratio Lower Upper
129 100
127 78.3 52.7 97.9



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

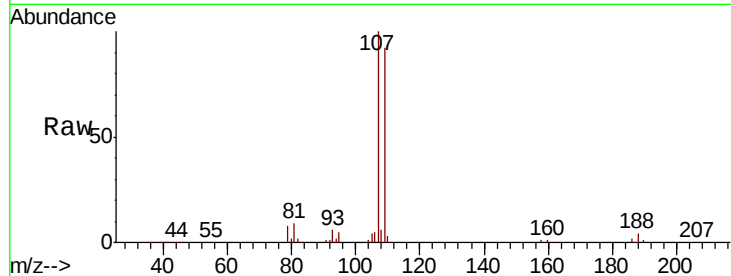




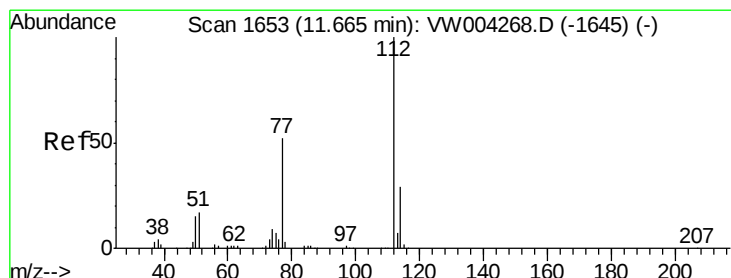
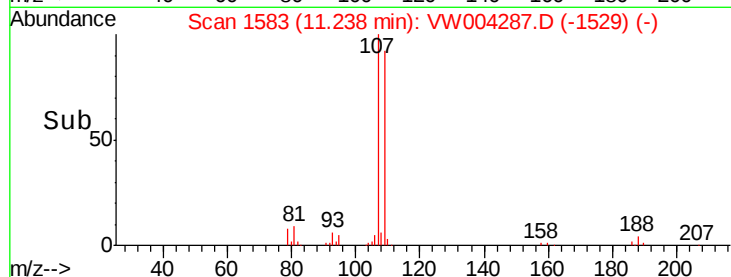
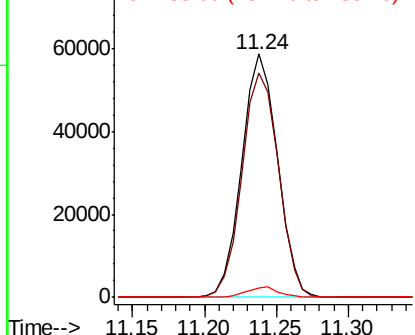
#51
1,2-Dibromoethane
Concen: 26.061 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VW004287.D
Acq: 27 Jul 2018 22:18

Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

Tgt Ion:107 Resp: 101078
Ion Ratio Lower Upper
107 100
109 92.2 61.3 113.9
188 3.7 3.0 4.4

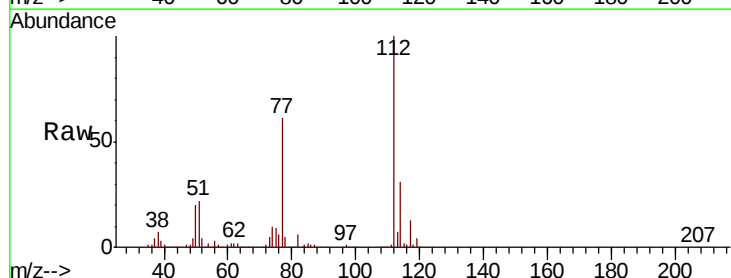


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

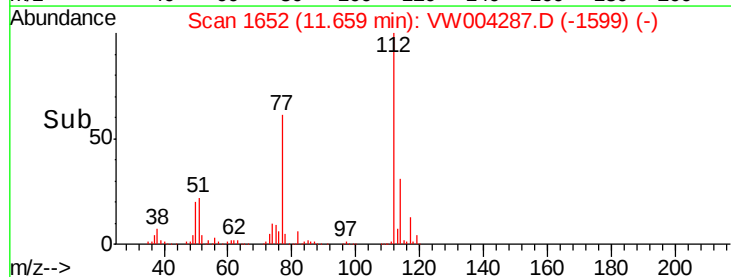
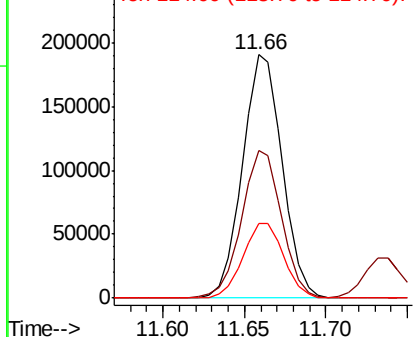


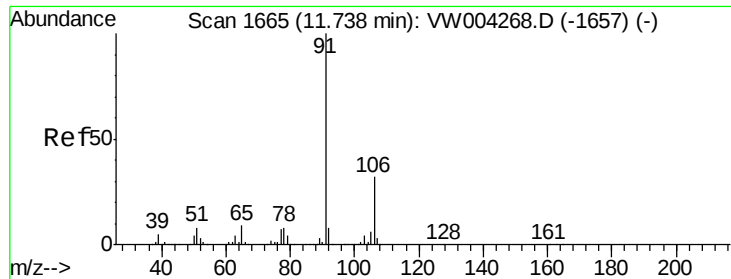
#52
Chlorobenzene
Concen: 25.326 ug/L
RT: 11.66 min Scan# 1652
Delta R.T. -0.01 min
Lab File: VW004287.D
Acq: 27 Jul 2018 22:18

Tgt Ion:112 Resp: 321921
Ion Ratio Lower Upper
112 100
77 60.6 45.2 67.8
114 30.9 22.9 42.5



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 26.215 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004287.D

Acq: 27 Jul 2018 22:18

Instrument :

MSVOA_W

ClientSampleId :

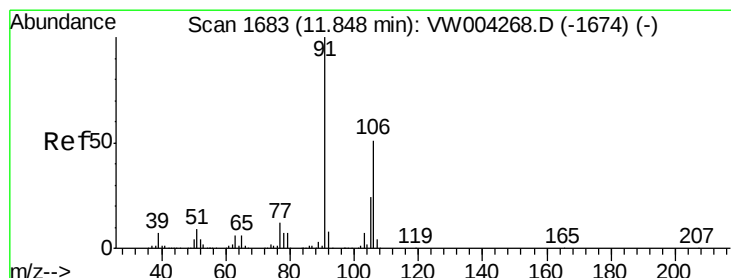
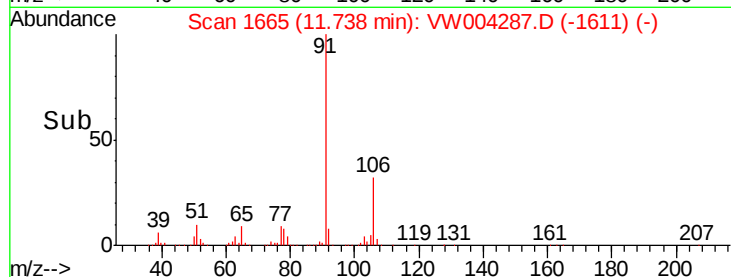
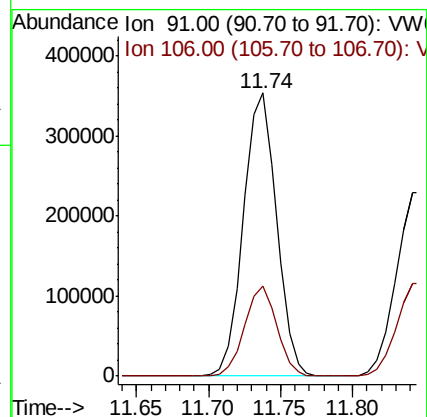
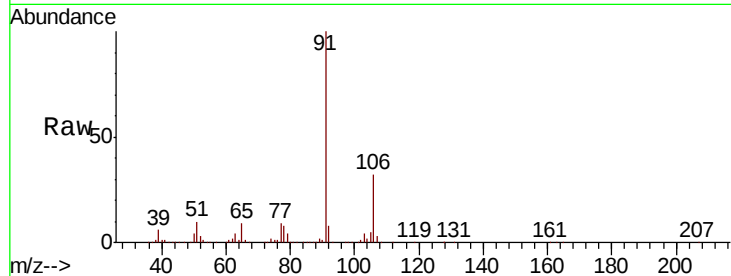
VSTD02594

Tgt Ion: 91 Resp: 564176

Ion Ratio Lower Upper

91 100

106 31.9 22.0 40.8



#54

m,p-Xylene

Concen: 26.752 ug/L

RT: 11.84 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VW004287.D

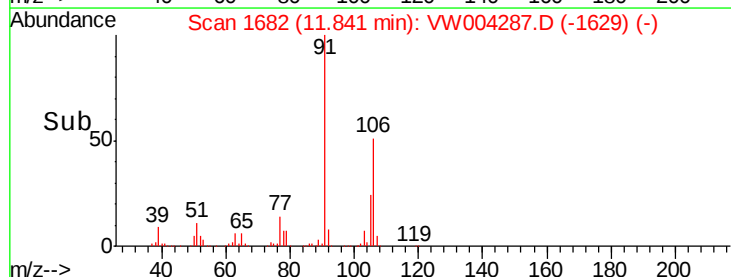
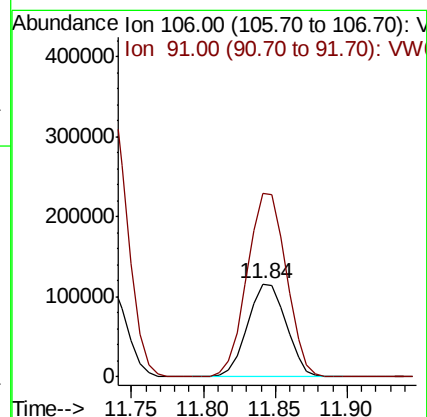
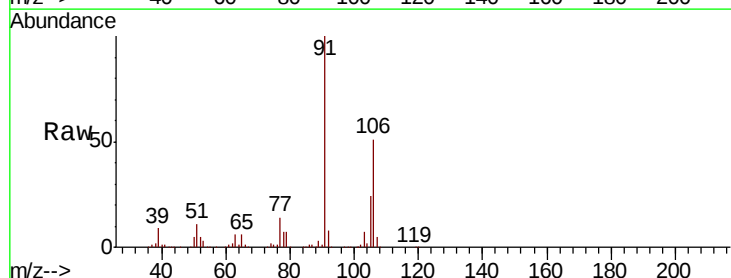
Acq: 27 Jul 2018 22:18

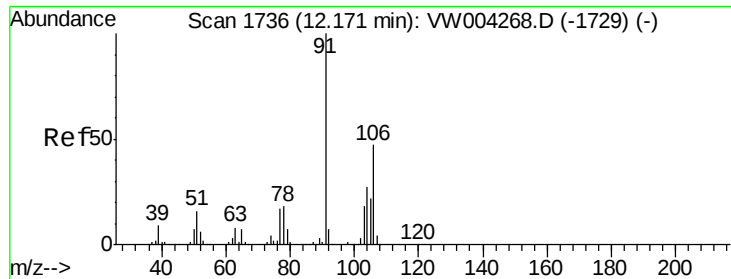
Tgt Ion: 106 Resp: 216539

Ion Ratio Lower Upper

106 100

91 197.0 138.8 257.8

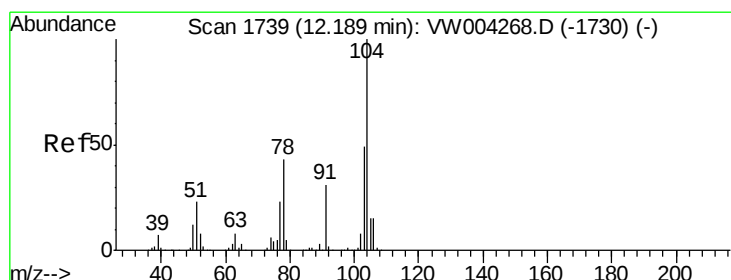
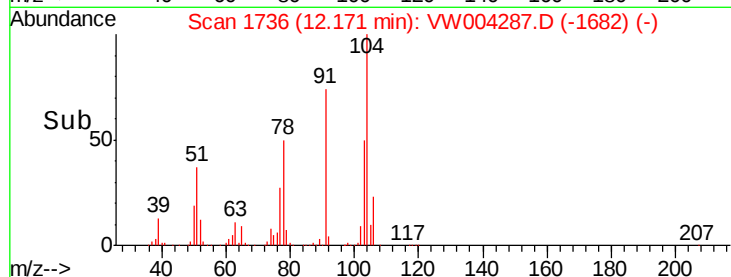
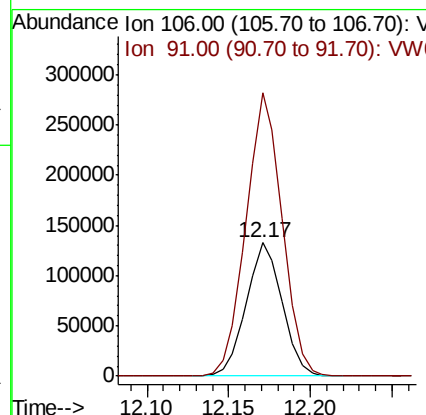
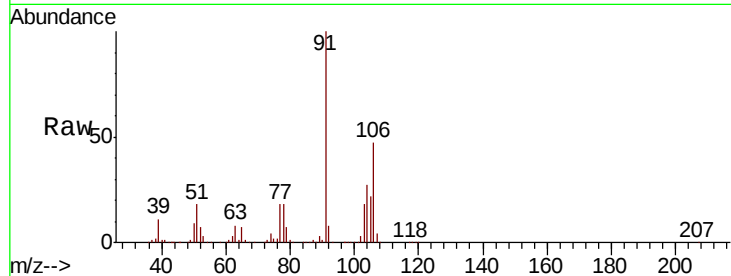




#55
o-xylene
Concen: 26.889 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004287.D
Acq: 27 Jul 2018 22:18

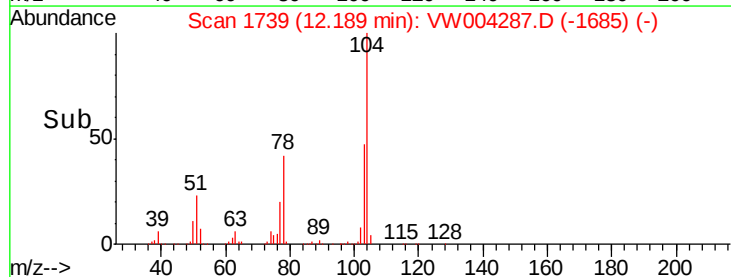
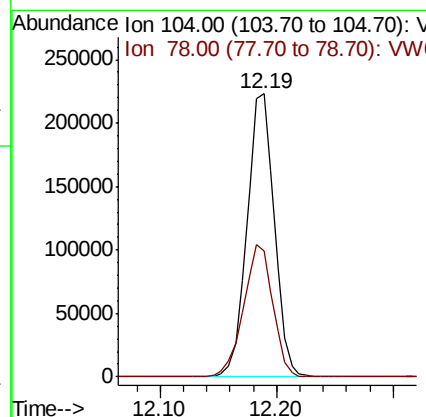
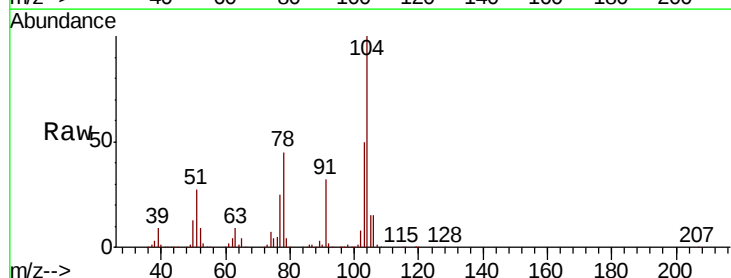
Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

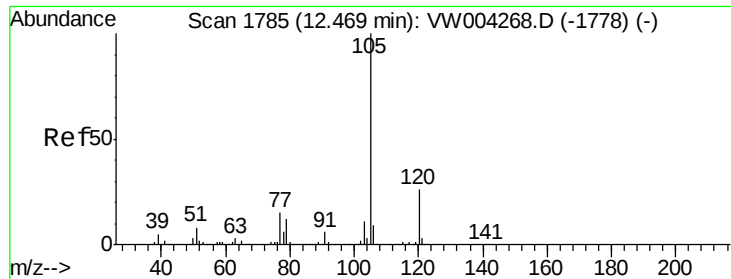
Tgt Ion:106 Resp: 203715
Ion Ratio Lower Upper
106 100
91 212.1 153.5 285.1



#56
Styrene
Concen: 27.835 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004287.D
Acq: 27 Jul 2018 22:18

Tgt Ion:104 Resp: 365501
Ion Ratio Lower Upper
104 100
78 44.7 31.7 58.9





#57

Isopropylbenzene

Concen: 27.371 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004287.D

Acq: 27 Jul 2018 22:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

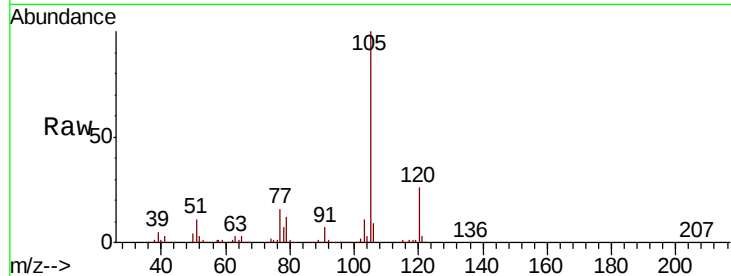
Tgt Ion: 105 Resp: 563354

Ion Ratio Lower Upper

105 100

120 26.4 21.4 32.0

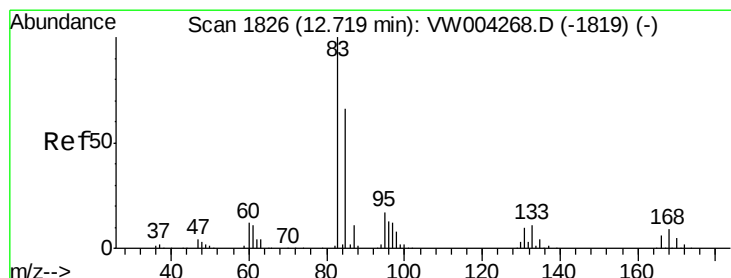
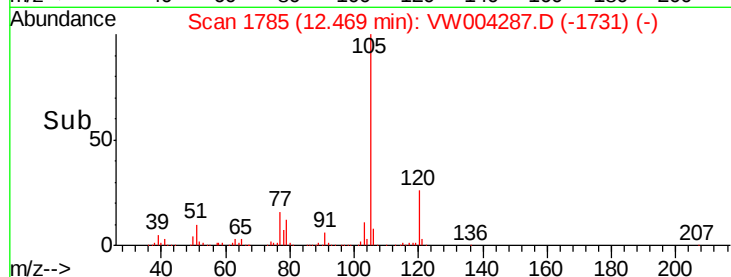
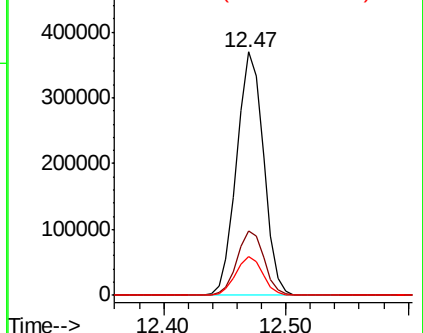
77 16.1 13.1 19.7



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: 27.118 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004287.D

Acq: 27 Jul 2018 22:18

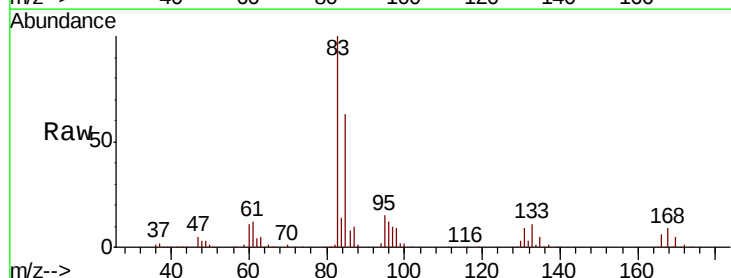
Tgt Ion: 83 Resp: 153783

Ion Ratio Lower Upper

83 100

85 62.8 47.7 88.7

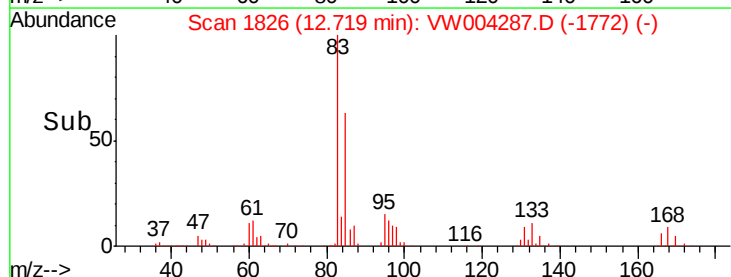
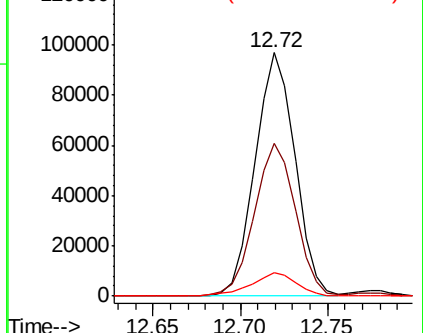
131 9.5 8.8 13.2

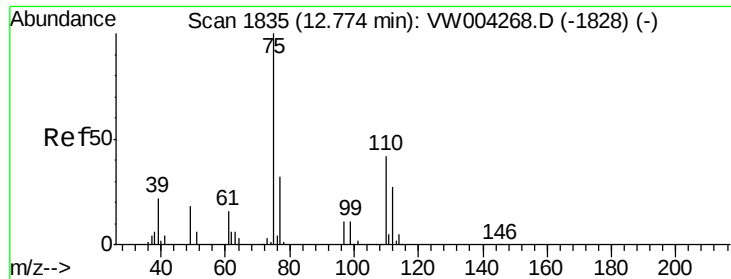


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.203 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004287.D

Acq: 27 Jul 2018 22:18

Instrument :

MSVOA_W

ClientSampleId :

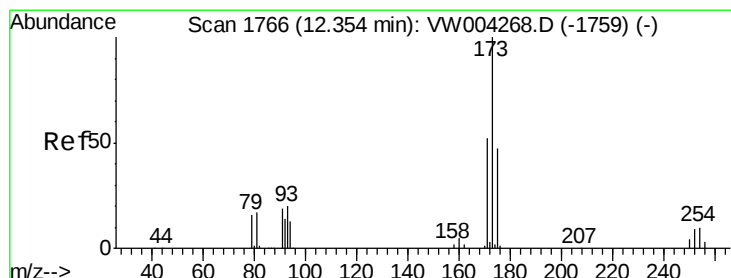
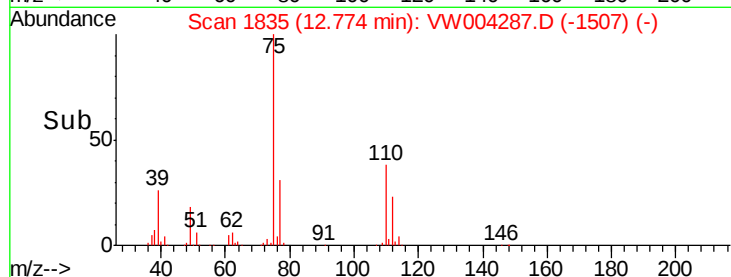
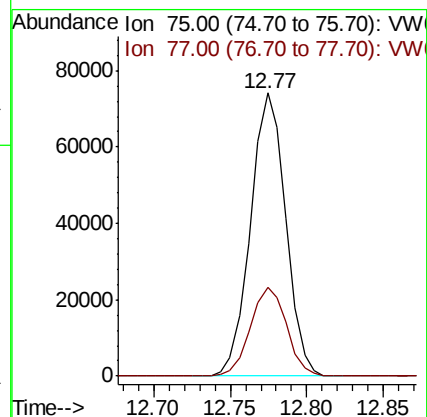
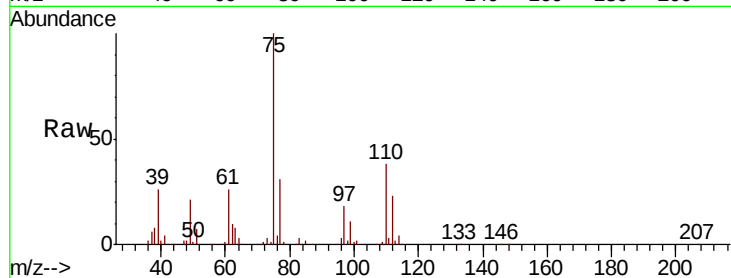
VSTD02594

Tgt Ion: 75 Resp: 118598

Ion Ratio Lower Upper

75 100

77 32.4 25.2 37.8



#62

Bromoform

Concen: 26.236 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004287.D

Acq: 27 Jul 2018 22:18

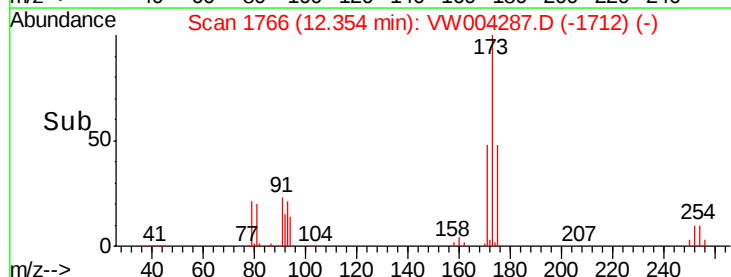
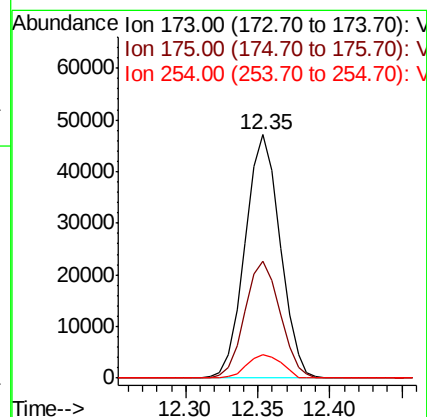
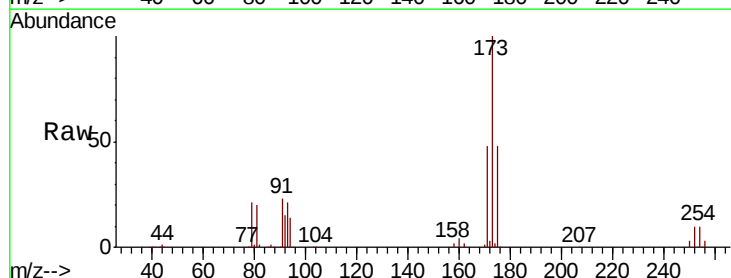
Tgt Ion: 173 Resp: 79533

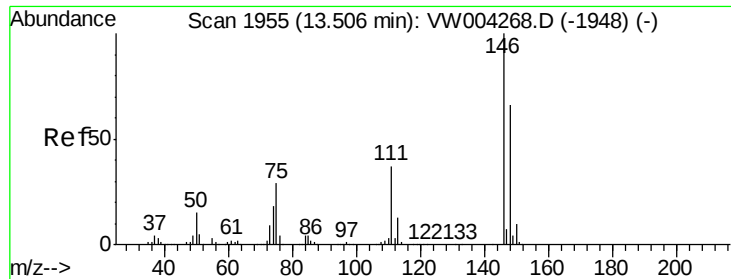
Ion Ratio Lower Upper

173 100

175 48.2 39.1 58.7

254 9.4 7.8 11.6

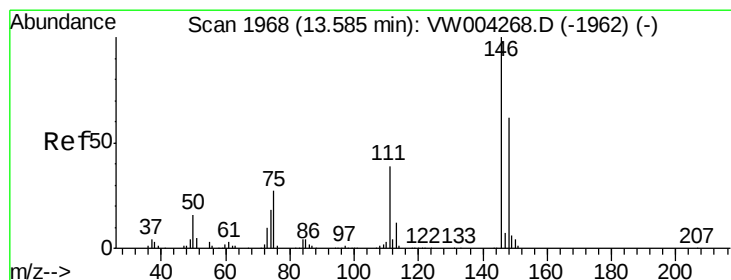
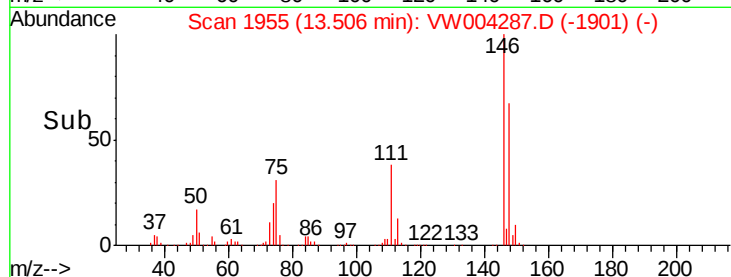
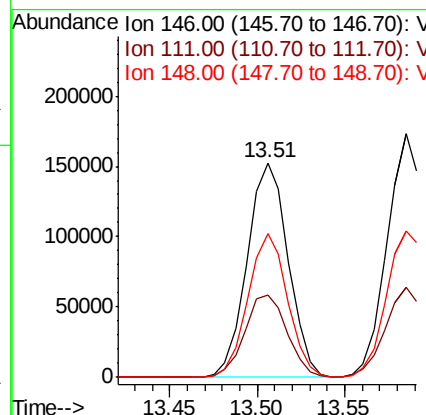
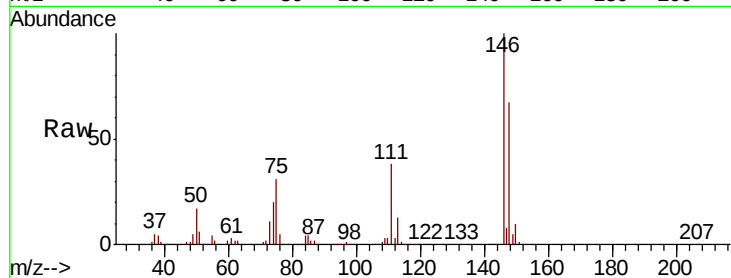




#63
 1,3-Dichlorobenzene
 Concen: 24.962 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004287.D
 Acq: 27 Jul 2018 22:18

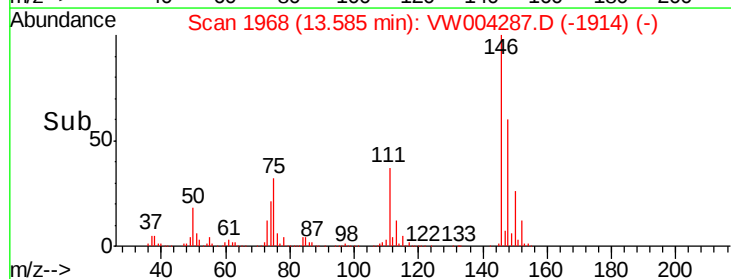
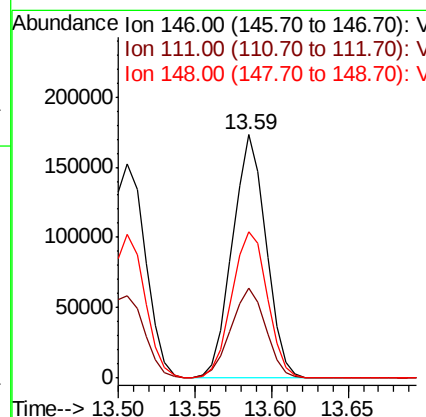
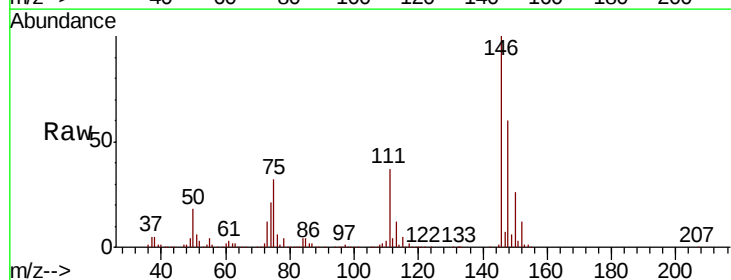
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02594

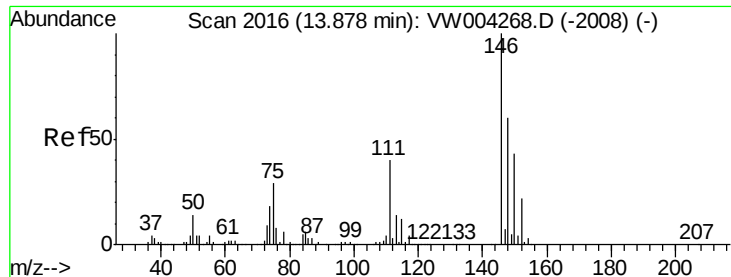
Tgt Ion:146 Resp: 247999
 Ion Ratio Lower Upper
 146 100
 111 38.3 29.0 53.8
 148 67.0 45.1 83.9



#64
 1,4-Dichlorobenzene
 Concen: 25.193 ug/L
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004287.D
 Acq: 27 Jul 2018 22:18

Tgt Ion:146 Resp: 264280
 Ion Ratio Lower Upper
 146 100
 111 37.1 26.9 50.1
 148 60.3 45.2 84.0

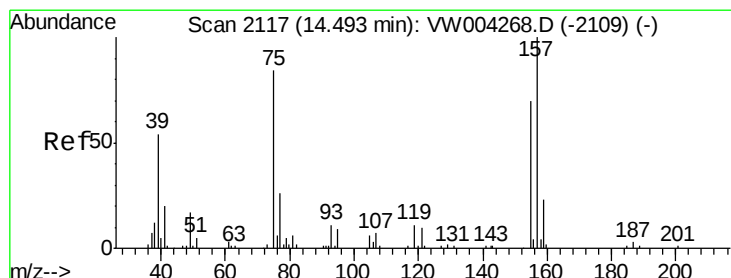
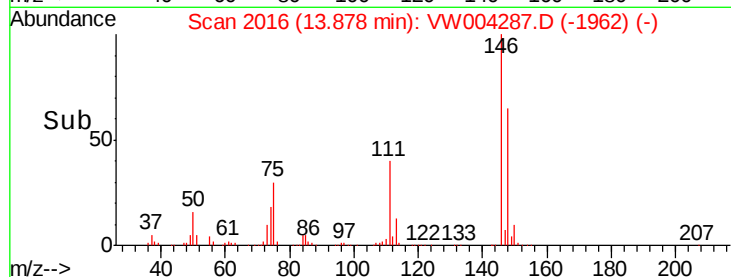
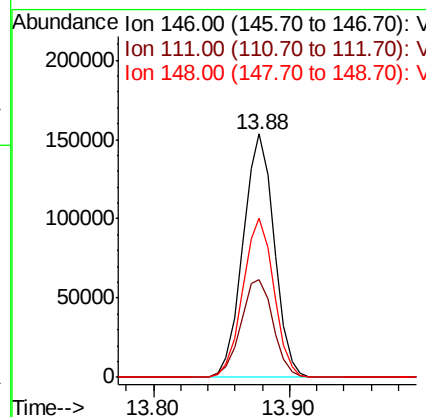
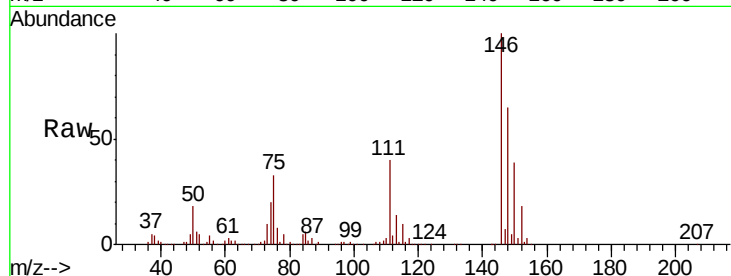




#65
 1,2-Dichlorobenzene
 Concen: 25.354 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004287.D
 Acq: 27 Jul 2018 22:18

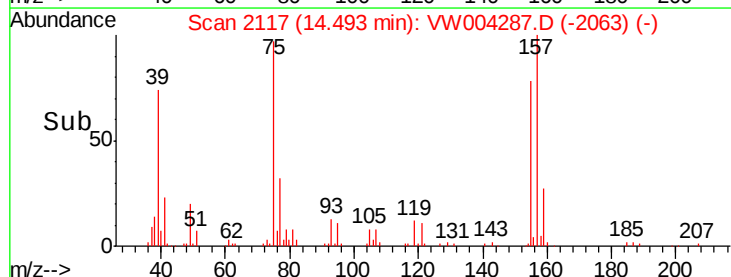
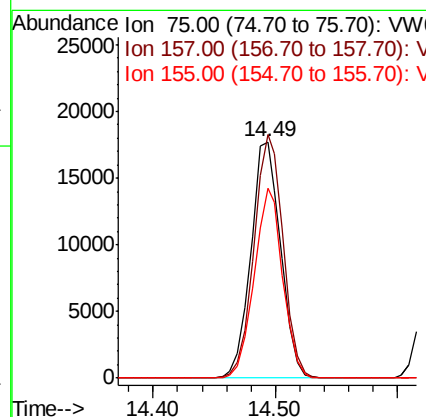
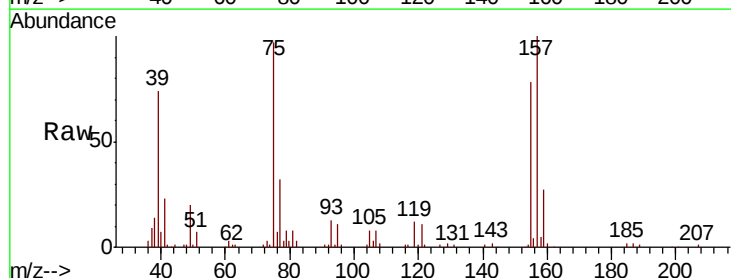
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02594

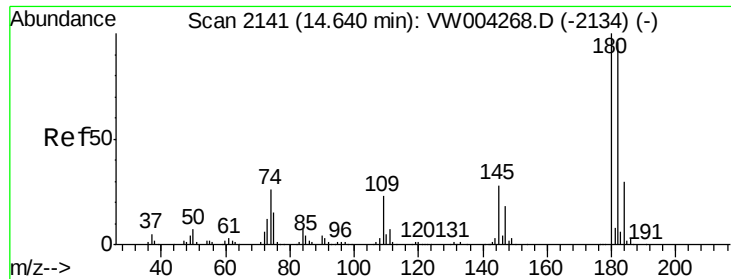
Tgt Ion: 146 Resp: 245398
 Ion Ratio Lower Upper
 146 100
 111 40.1 31.9 47.9
 148 65.4 49.8 74.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.601 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004287.D
 Acq: 27 Jul 2018 22:18

Tgt Ion: 75 Resp: 30003
 Ion Ratio Lower Upper
 75 100
 157 102.9 78.8 118.2
 155 80.5 60.2 90.4

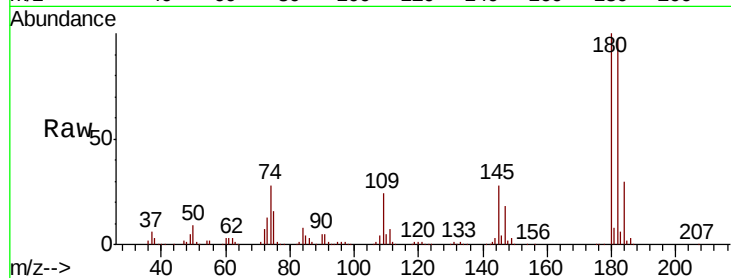




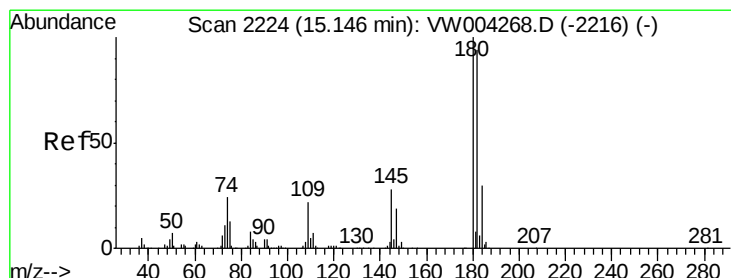
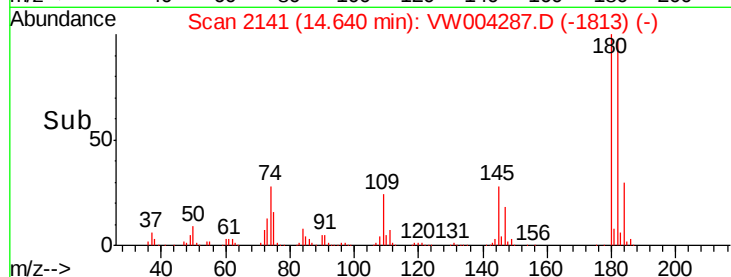
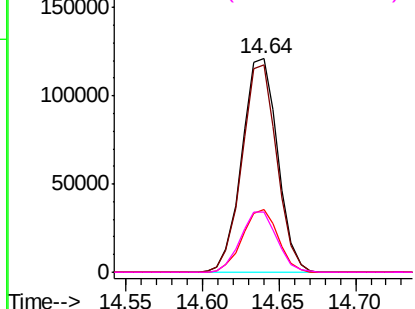
#67
 1,3,5-Trichlorobenzene
 Concen: 25.548 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004287.D
 Acq: 27 Jul 2018 22:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02594

Tgt Ion:180 Resp: 196336
 Ion Ratio Lower Upper
 180 100
 182 94.6 77.4 116.2
 184 29.4 23.8 35.8
 145 28.7 23.8 35.6

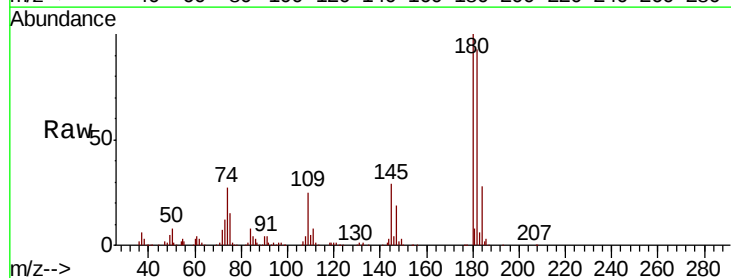


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

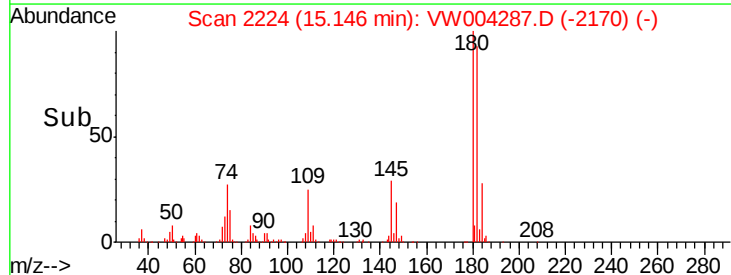
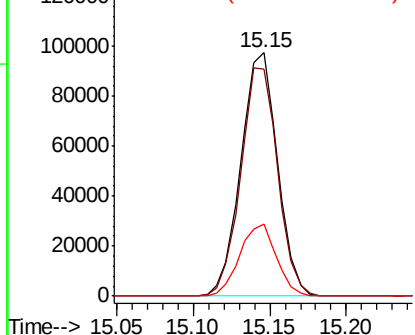


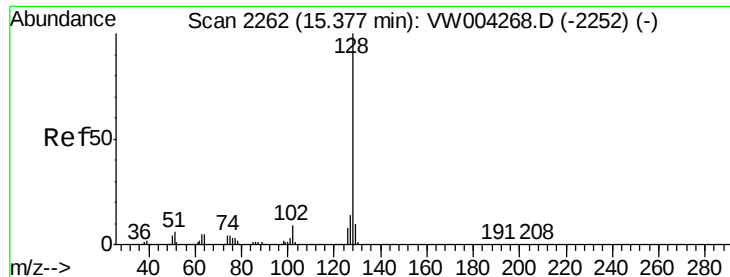
#68
 1,2,4-trichlorobenzene
 Concen: 25.874 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004287.D
 Acq: 27 Jul 2018 22:18

Tgt Ion:180 Resp: 162164
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.2 114.2
 145 29.6 24.1 36.1



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: 28.293 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004287.D

Acq: 27 Jul 2018 22:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

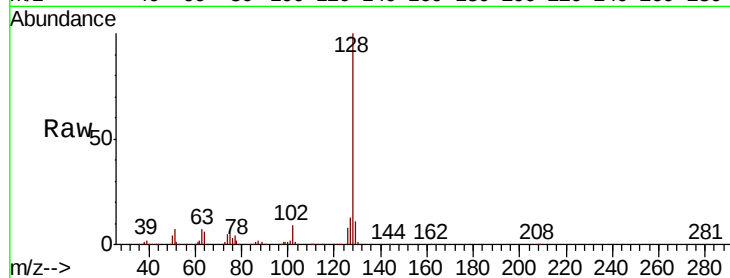
Tgt Ion:128 Resp: 407457

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

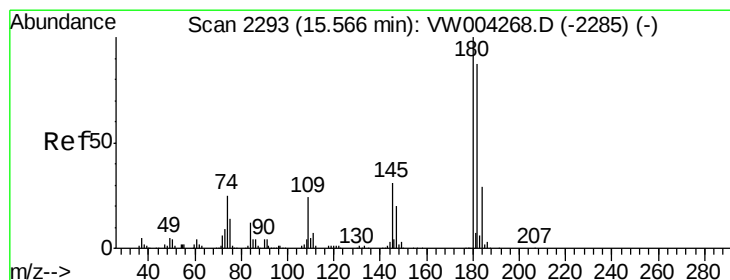
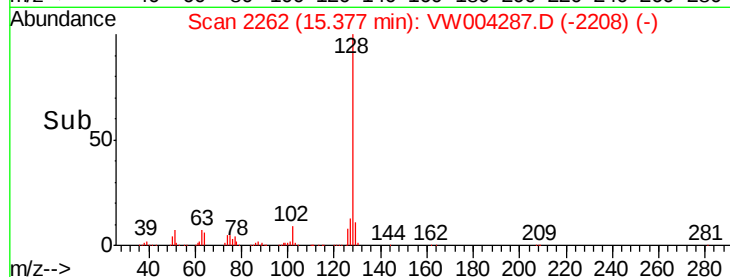
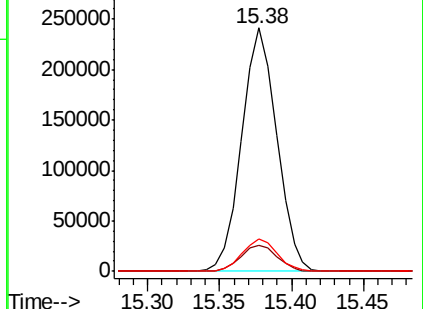
127 13.4 11.0 16.4



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: 26.567 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004287.D

Acq: 27 Jul 2018 22:18

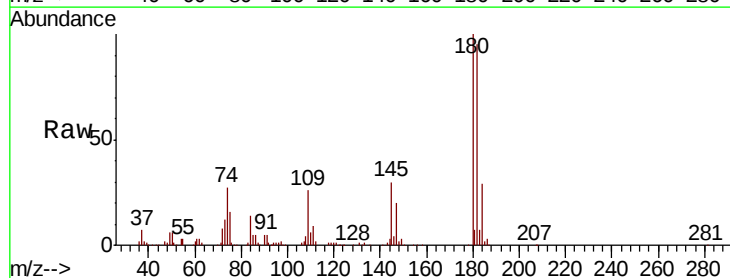
Tgt Ion:180 Resp: 161083

Ion Ratio Lower Upper

180 100

182 95.5 76.2 114.4

145 31.8 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

