

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081118\
 Data File : VW004564.D
 Acq On : 09 Aug 2018 19:34
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02586

Quant Time: Aug 10 02:20:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM080218S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 10 02:10:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	801924	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	797748	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	410987	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	186145	18.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.64%
7) Chloroethane-d5	2.89	69	176046	20.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.92%
10) 1,1-Dichloroethene-d2	4.02	63	447415	22.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.36%
20) 2-Butanone-d5	7.09	46	228005	51.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.68%
24) Chloroform-d	7.65	84	508182	23.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.64%
26) 1,2-Dichloroethane-d4	8.31	65	282343	23.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.32%
29) Benzene-d6	8.27	84	945362	22.28	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.12%
33) 1,2-Dichloropropane-d6	9.28	67	312733	22.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.20%
37) Toluene-d8	10.33	98	843939	22.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.24%
38) trans-1,3-Dichloropropene-	10.59	79	127209	22.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.20%
39) 2-Hexanone-d5	10.93	63	180282	53.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.78%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	369110	24.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.16%
61) 1,2-Dichlorobenzene-d4	13.86	152	350020	22.68	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.72%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	183911	22.058 ug/L	97
3) Chloromethane	2.21	50	234862	21.326 ug/L	98
5) Vinyl chloride	2.37	62	379995	26.442 ug/L	96
6) Bromomethane	2.78	94	206335	24.826 ug/L	99
8) Chloroethane	2.93	64	227064	26.337 ug/L	98
9) Trichlorofluoromethane	3.26	101	173011	26.394 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	328938	28.901 ug/L	94
12) 1,1-Dichloroethene	4.04	96	301736	27.136 ug/L	95
13) Acetone	4.14	43	208957	54.840 ug/L	98
14) Carbon disulfide	4.38	76	877684	25.733 ug/L	100
15) Methyl Acetate	4.67	43	208323	26.824 ug/L	99
16) Methylene chloride	4.92	84	366103	22.985 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	401711	26.690 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	299923	26.376 ug/L	95
19) 1,1-Dichloroethane	6.21	63	594088	27.532 ug/L	99
21) 2-Butanone	7.18	43	275581	52.840 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	344198	27.732 ug/L	97

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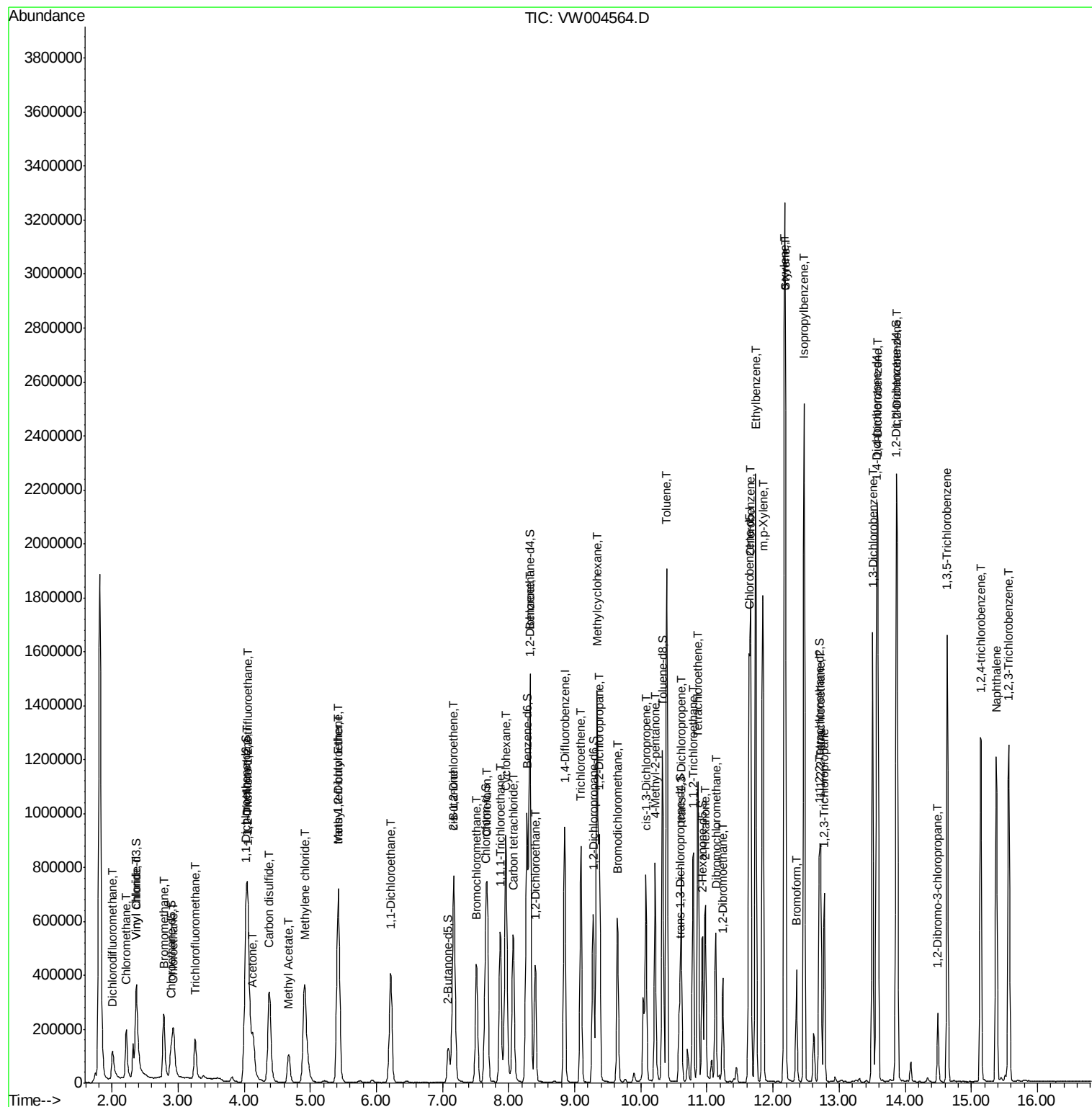
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	159952	26.926	ug/L	98
25) Chloroform	7.68	83	598838	27.189	ug/L	99
27) 1,2-Dichloroethane	8.40	62	392003	26.493	ug/L	99
30) Cyclohexane	7.96	56	518324	27.473	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	456088	26.909	ug/L	99
32) Carbon tetrachloride	8.07	117	435990	26.691	ug/L	99
34) Benzene	8.32	78	1337907	27.201	ug/L	100
35) Trichloroethene	9.09	95	323561	26.153	ug/L	99
36) Methylcyclohexane	9.34	83	589215	27.131	ug/L	99
40) 1,2-Dichloropropane	9.37	63	350675	26.920	ug/L	99
41) Bromodichloromethane	9.65	83	408438	26.102	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	467793	26.251	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	533215	54.591	ug/L	99
44) Toluene	10.39	91	1382874	27.939	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	427396	26.682	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	271100	26.770	ug/L	98
47) Tetrachloroethene	10.87	164	263844	26.954	ug/L	99
49) 2-Hexanone	10.98	43	410534	55.931	ug/L	99
50) Dibromochloromethane	11.13	129	300734	26.770	ug/L	100
51) 1,2-Dibromoethane	11.24	107	258763	26.656	ug/L	99
52) Chlorobenzene	11.66	112	900859	26.913	ug/L	98
53) Ethylbenzene	11.74	91	1563740	28.115	ug/L	98
54) m,p-Xylene	11.85	106	591916	28.524	ug/L	99
55) o-xylene	12.17	106	562525	28.609	ug/L	97
56) Styrene	12.19	104	1010999	29.508	ug/L	98
57) Isopropylbenzene	12.47	105	1547722	29.080	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	391253	26.619	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	294334	26.812	ug/L	98
62) Bromoform	12.35	173	193618	25.921	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	680500	26.610	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	728700	26.513	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	686878	26.806	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	63302	24.050	ug/L	99
67) 1,3,5-Trichlorobenzene	14.64	180	540594	26.666	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	440950	26.886	ug/L	99
69) Naphthalene	15.38	128	1014705	27.129	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	443203	27.749	ug/L	99

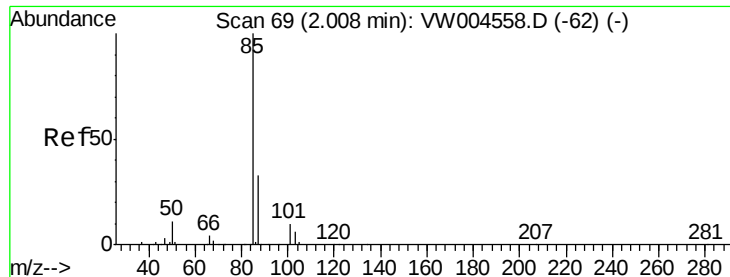
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.058 ug/L

RT: 2.01 min Scan# 69

Delta R.T. -0.01 min

Lab File: VW004564.D

Acq: 09 Aug 2018 19:34

Instrument :

MSVOA_W

ClientSampleId :

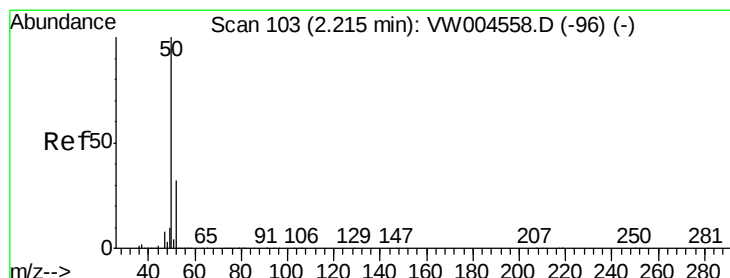
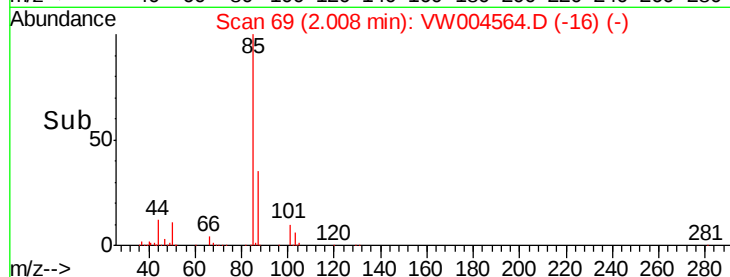
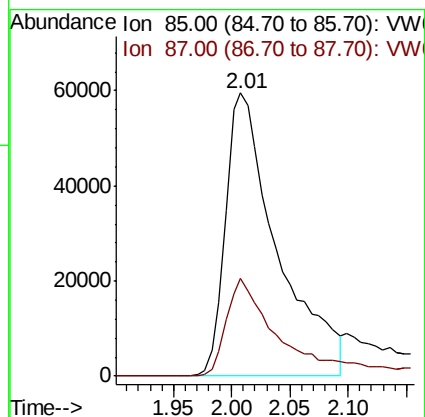
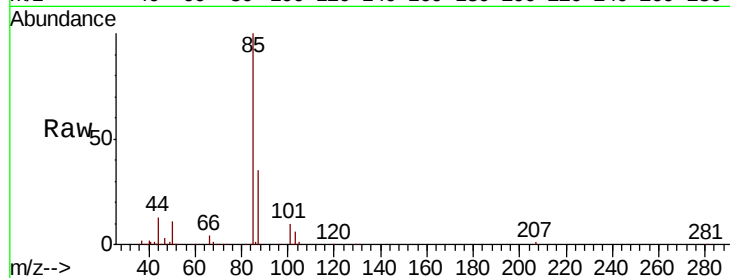
VSTD02586

Tgt Ion: 85 Resp: 183911

Ion Ratio Lower Upper

85 100

87 30.5 20.2 37.4



#3

Chloromethane

Concen: 21.326 ug/L

RT: 2.21 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004564.D

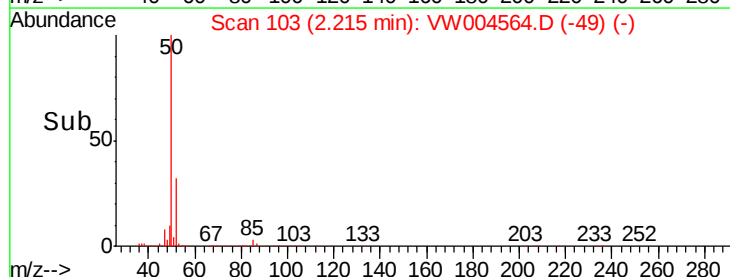
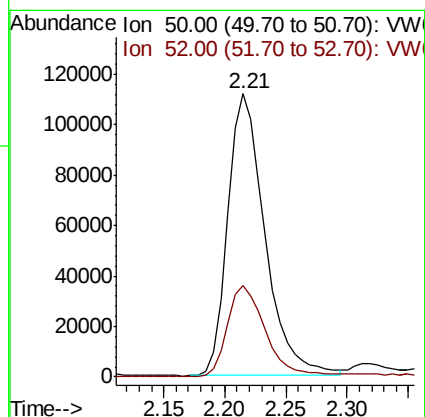
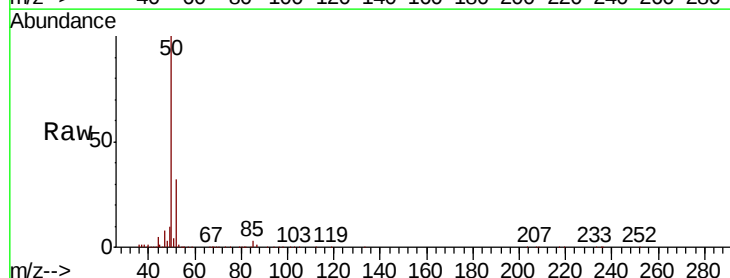
Acq: 09 Aug 2018 19:34

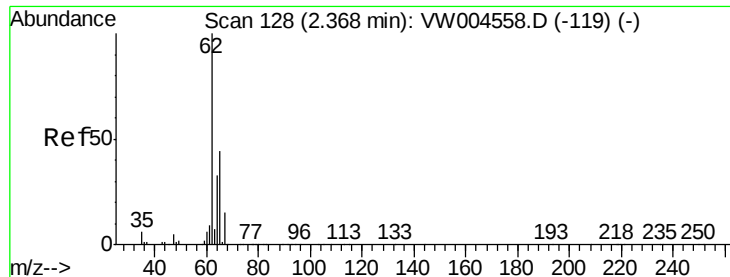
Tgt Ion: 50 Resp: 234862

Ion Ratio Lower Upper

50 100

52 32.4 23.4 43.6





#5

Vinyl chloride

Concen: 26.442 ug/L

RT: 2.37 min Scan# 128

Delta R.T. -0.01 min

Lab File: VW004564.D

Acq: 09 Aug 2018 19:34

Instrument :

MSVOA_W

ClientSampleId :

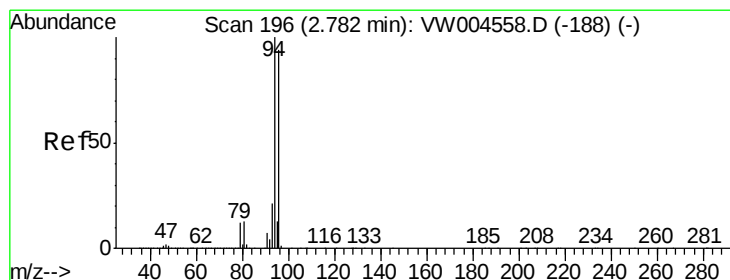
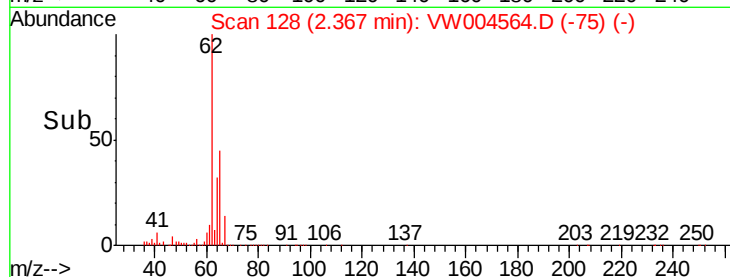
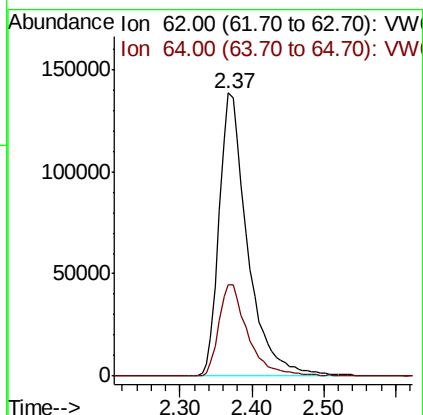
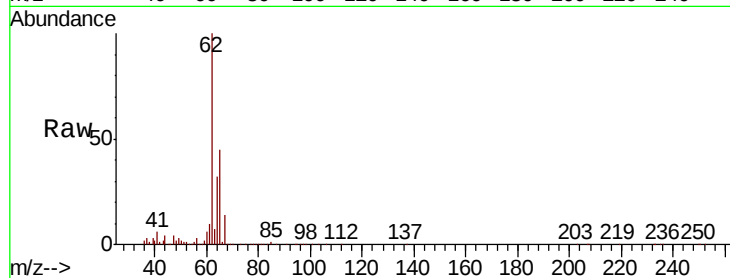
VSTD02586

Tgt Ion: 62 Resp: 379995

Ion Ratio Lower Upper

62 100

64 32.2 24.0 44.6



#6

Bromomethane

Concen: 24.826 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.01 min

Lab File: VW004564.D

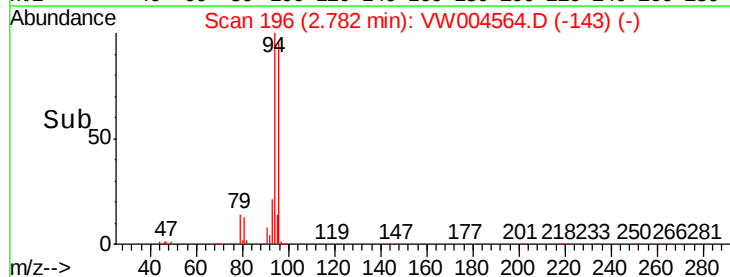
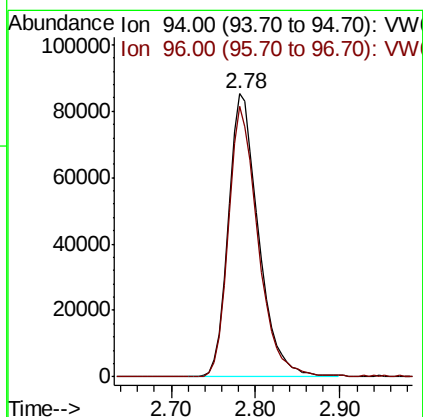
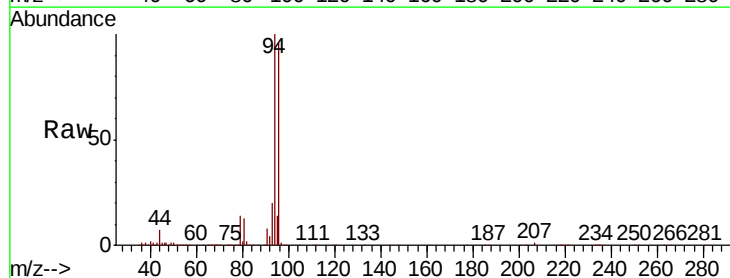
Acq: 09 Aug 2018 19:34

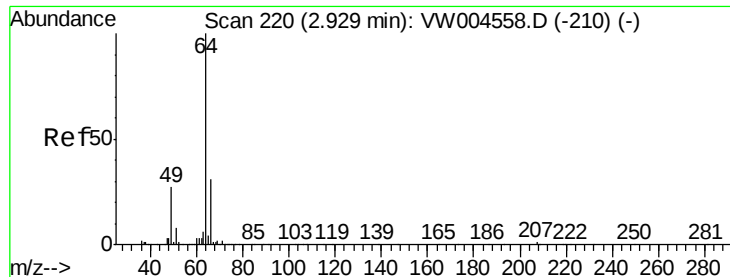
Tgt Ion: 94 Resp: 206335

Ion Ratio Lower Upper

94 100

96 93.0 9.2 175.2





#8

Chloroethane

Concen: 26.337 ug/L

RT: 2.93 min Scan# 220

Delta R.T. -0.01 min

Lab File: VW004564.D

Acq: 09 Aug 2018 19:34

Instrument :

MSVOA_W

ClientSampleId :

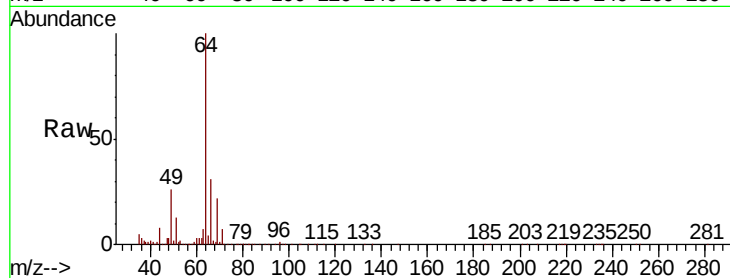
VSTD02586

Tgt Ion: 64 Resp: 227064

Ion Ratio Lower Upper

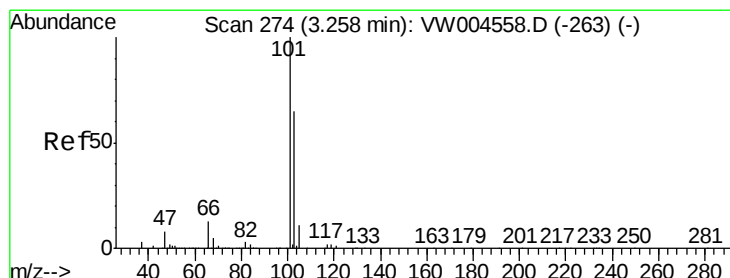
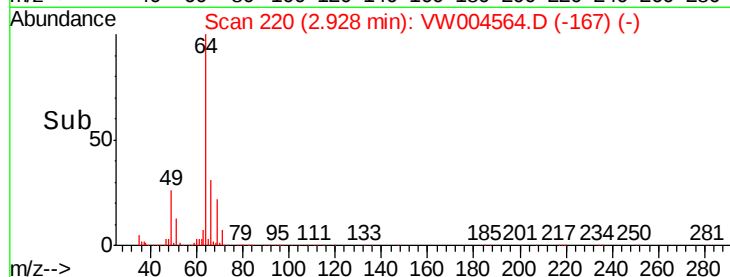
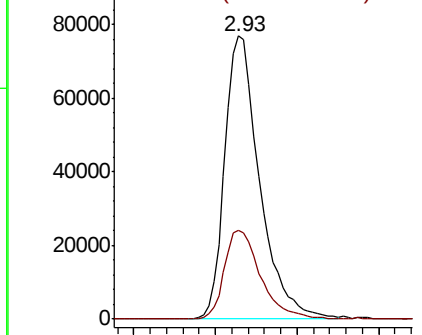
64 100

66 31.3 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 26.394 ug/L

RT: 3.26 min Scan# 274

Delta R.T. -0.00 min

Lab File: VW004564.D

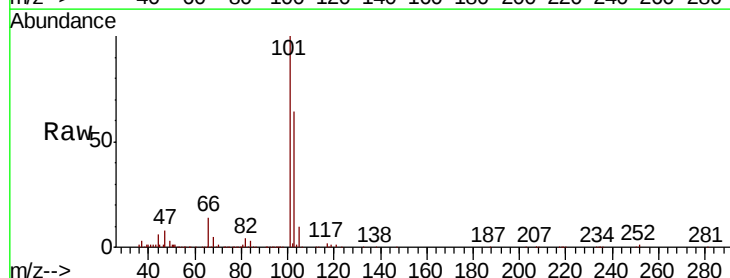
Acq: 09 Aug 2018 19:34

Tgt Ion: 101 Resp: 173011

Ion Ratio Lower Upper

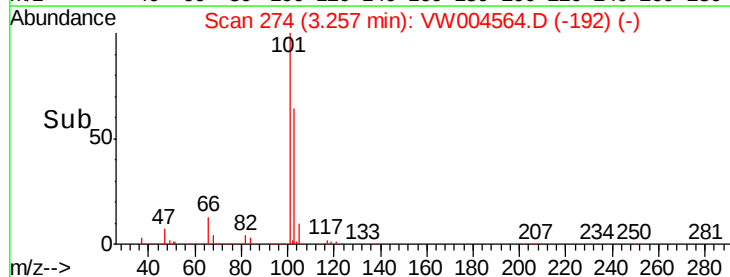
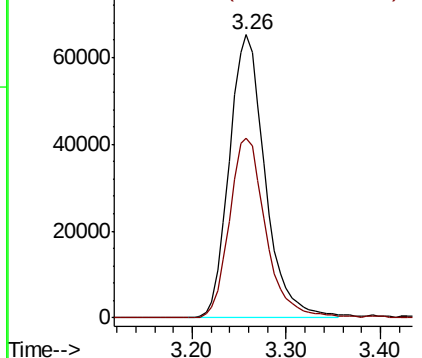
101 100

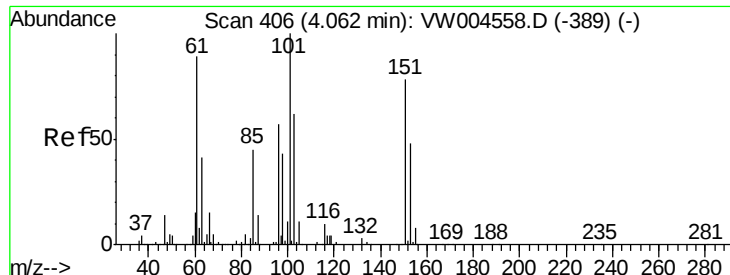
103 64.4 45.3 84.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 28.901 ug/L

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW004564.D

Acq: 09 Aug 2018 19:34

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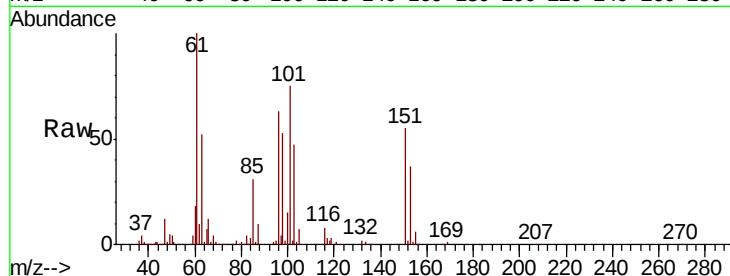
Tgt Ion: 101 Resp: 328938

Ion Ratio Lower Upper

101 100

85 40.5 35.6 53.4

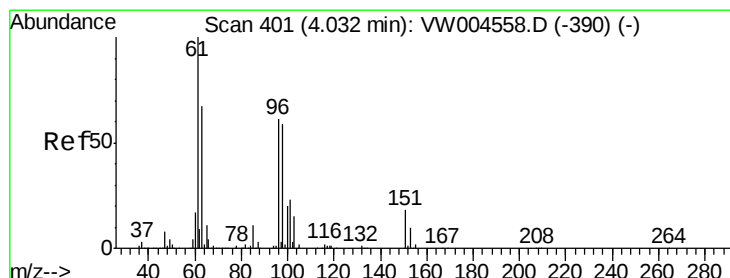
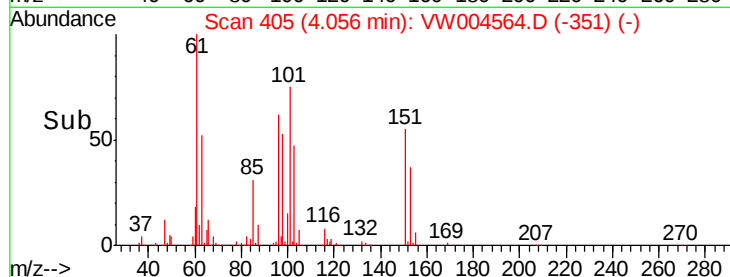
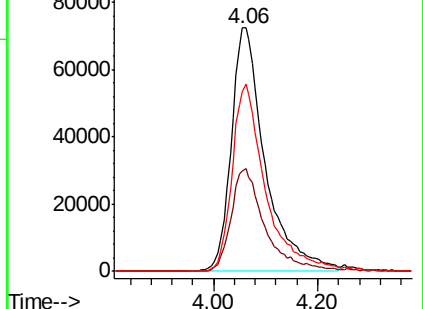
151 73.5 62.6 94.0



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: 27.136 ug/L

RT: 4.04 min Scan# 402

Delta R.T. 0.01 min

Lab File: VW004564.D

Acq: 09 Aug 2018 19:34

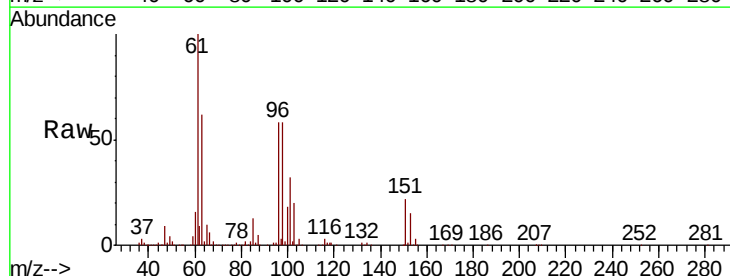
Tgt Ion: 96 Resp: 301736

Ion Ratio Lower Upper

96 100

61 172.7 115.9 215.3

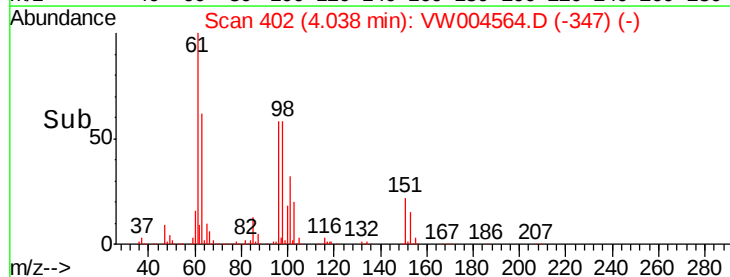
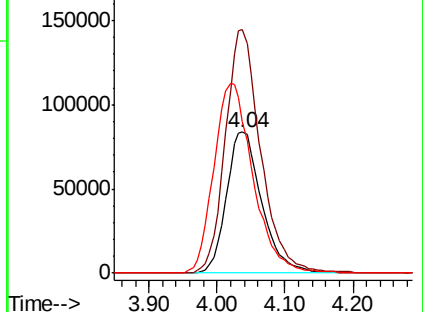
63 107.5 78.0 144.9

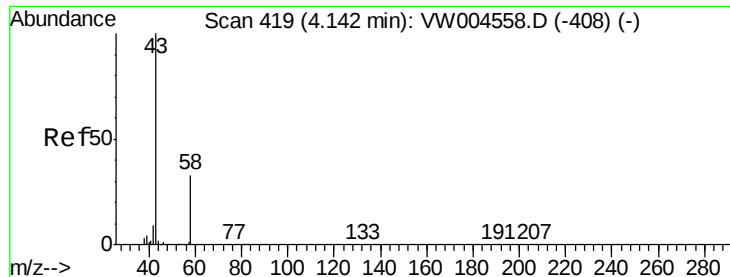


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 54.840 ug/L

RT: 4.14 min Scan# 418

Delta R.T. -0.02 min

Lab File: VW004564.D

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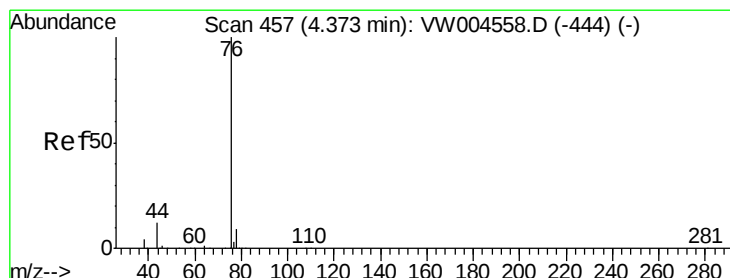
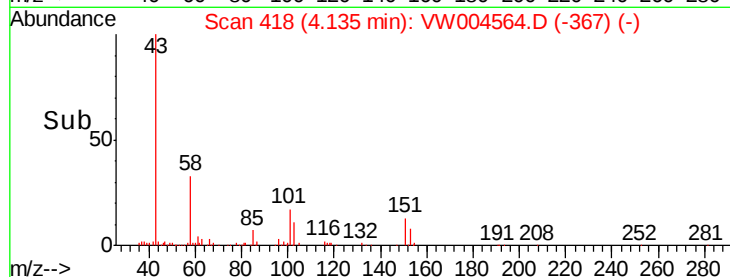
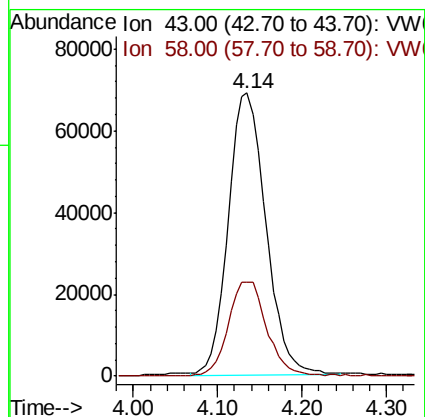
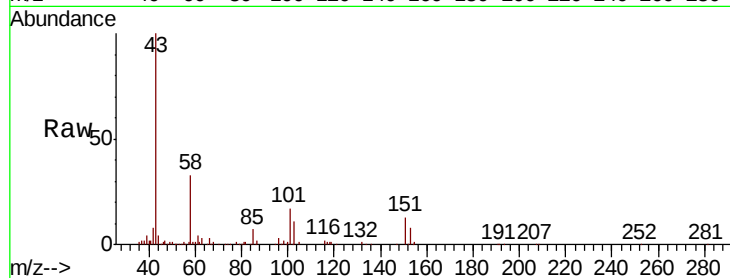
VSTD02586

Tgt Ion: 43 Resp: 208957

Ion Ratio Lower Upper

43 100

58 34.1 0.0 66.4



#14

Carbon disulfide

Concen: 25.733 ug/L

RT: 4.38 min Scan# 458

Delta R.T. -0.00 min

Lab File: VW004564.D

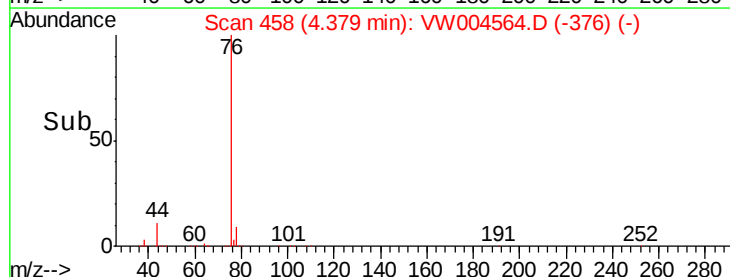
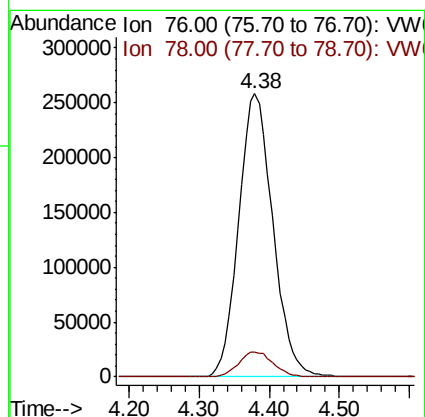
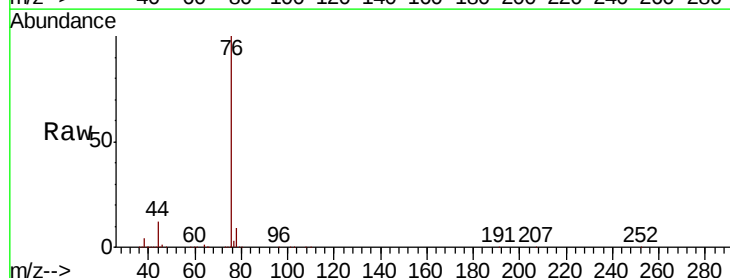
Acq: 09 Aug 2018 19:34

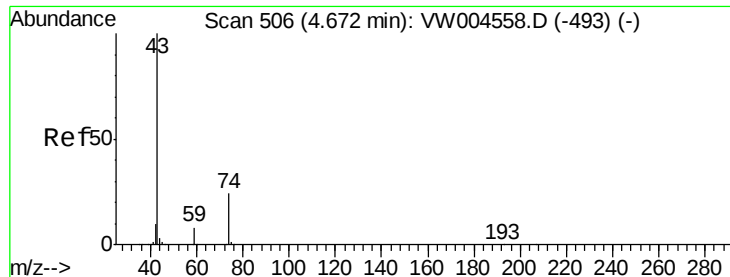
Tgt Ion: 76 Resp: 877684

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8

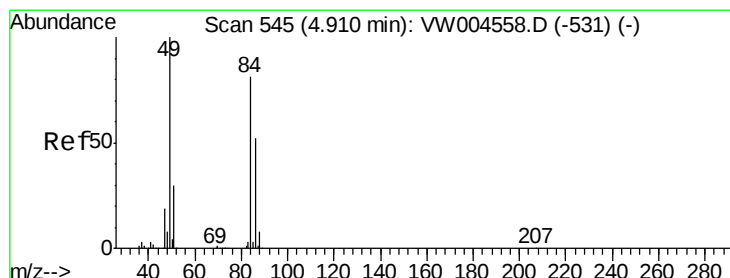
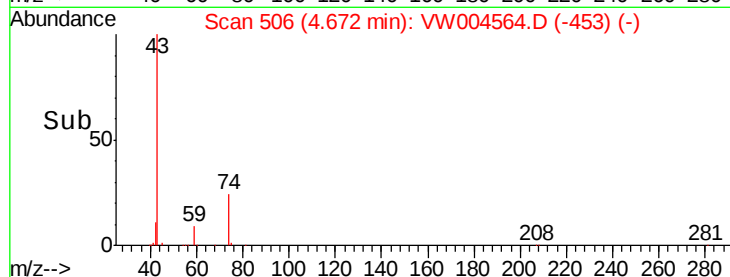
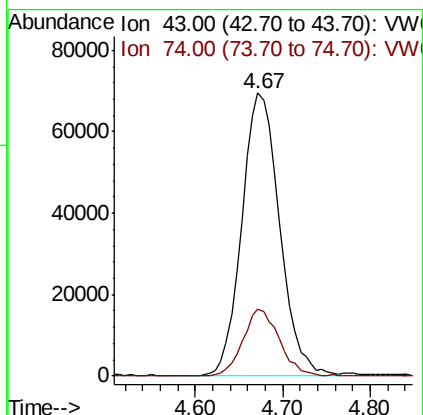
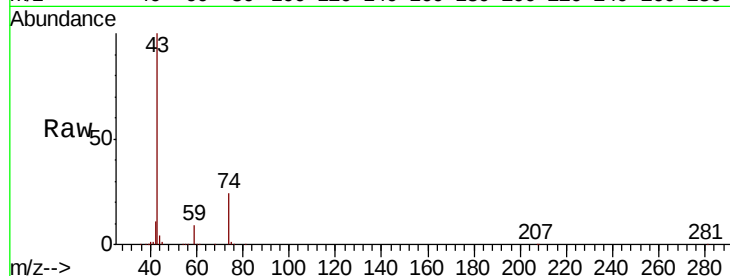




#15
Methyl Acetate
Concen: 26.824 ug/L
RT: 4.67 min Scan# 506
Delta R.T. -0.01 min
Lab File: VW004564.D
Acq: 09 Aug 2018 19:34

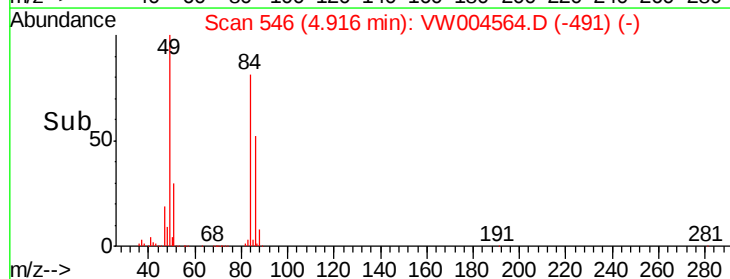
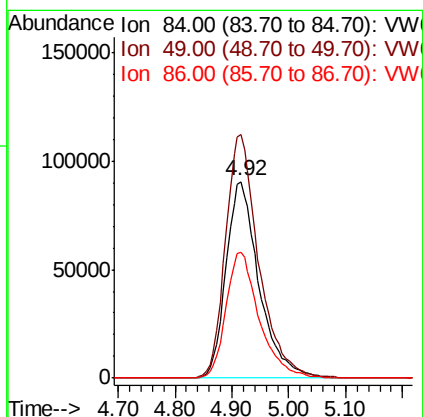
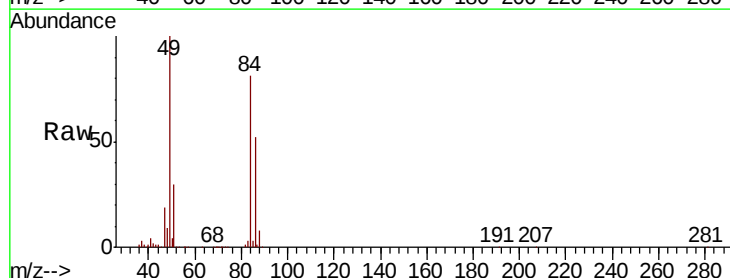
Instrument :
MSVOA_W
ClientSampleId :
VSTD02586

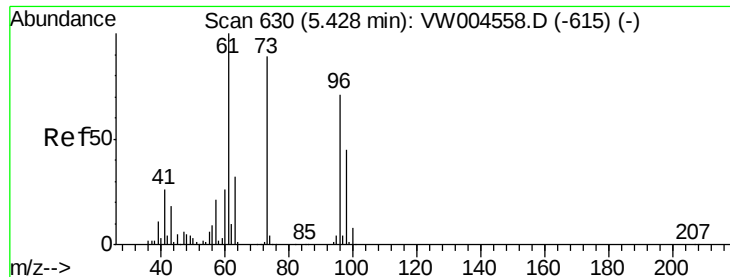
Tgt Ion: 43 Resp: 208323
Ion Ratio Lower Upper
43 100
74 22.8 18.6 28.0



#16
Methylene chloride
Concen: 22.985 ug/L
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW004564.D
Acq: 09 Aug 2018 19:34

Tgt Ion: 84 Resp: 366103
Ion Ratio Lower Upper
84 100
49 124.0 86.0 159.6
86 64.1 43.5 80.9



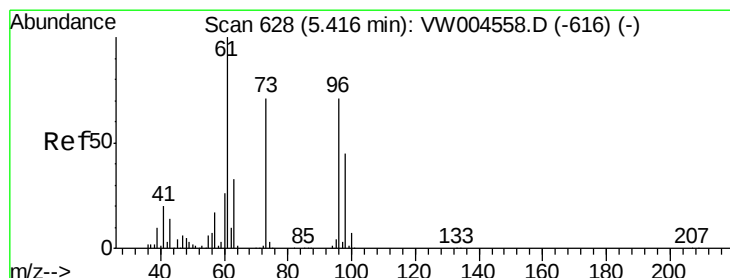
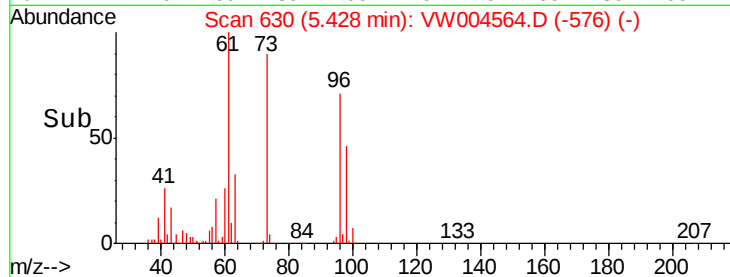
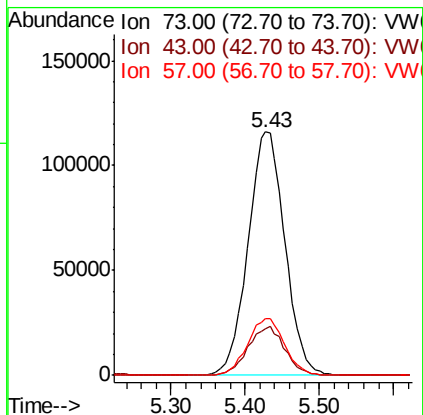
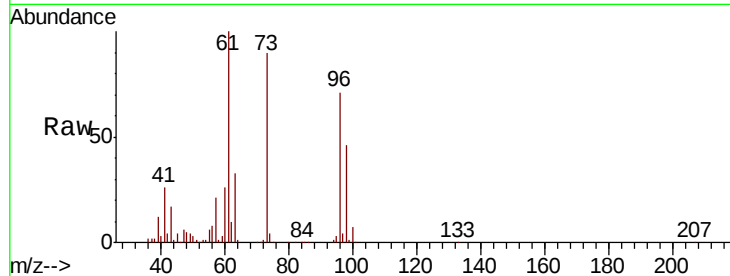


#17

Methyl tert-butyl Ether
 Concen: 26.690 ug/L
 RT: 5.43 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VW004564.D
 Acq: 09 Aug 2018 19:34

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02586

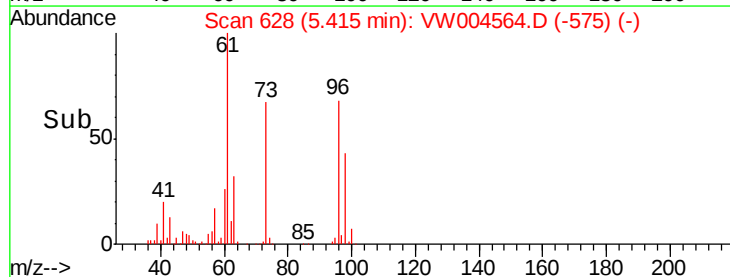
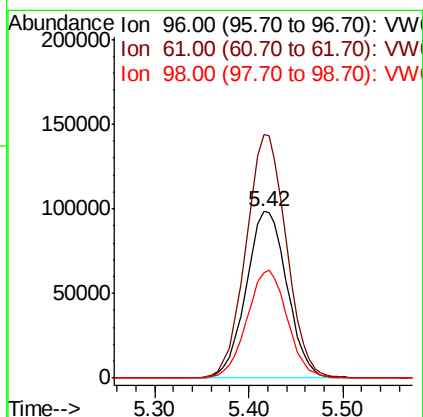
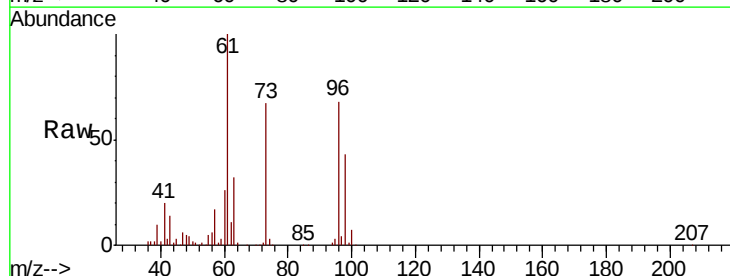
Tgt Ion: 73 Resp: 401711
 Ion Ratio Lower Upper
 73 100
 43 19.6 16.2 24.2
 57 23.5 18.9 28.3

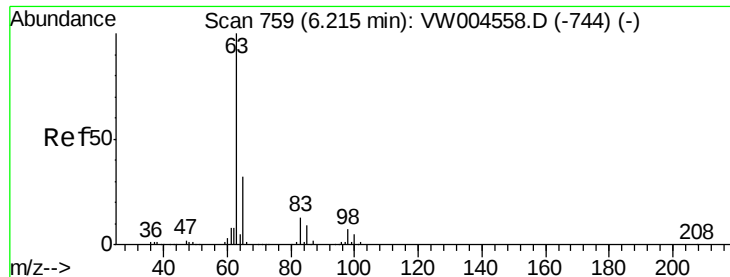


#18

trans-1,2-Dichloroethene
 Concen: 26.376 ug/L
 RT: 5.42 min Scan# 628
 Delta R.T. -0.01 min
 Lab File: VW004564.D
 Acq: 09 Aug 2018 19:34

Tgt Ion: 96 Resp: 299923
 Ion Ratio Lower Upper
 96 100
 61 146.5 97.9 181.7
 98 63.5 43.0 79.8





#19

1,1-Dichloroethane

Concen: 27.532 ug/L

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004564.D

Acq: 09 Aug 2018 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD02586

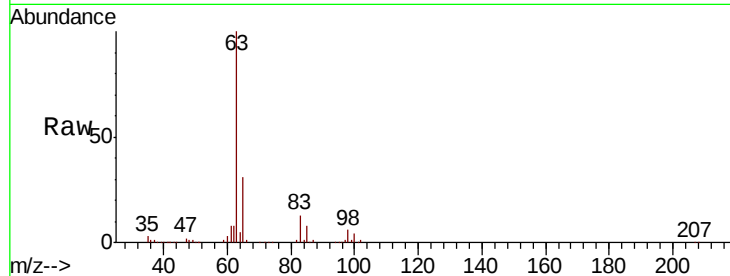
Tgt Ion: 63 Resp: 594088

Ion Ratio Lower Upper

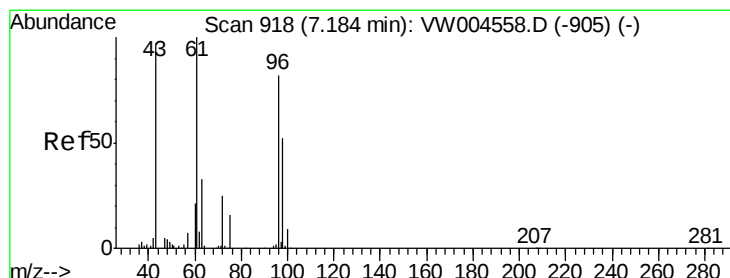
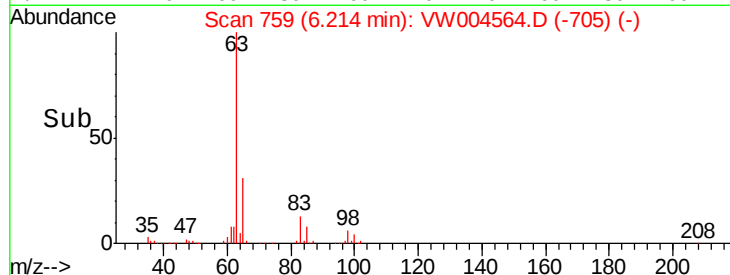
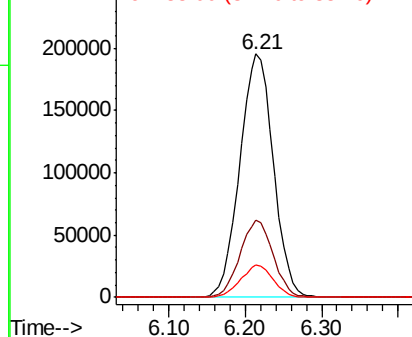
63 100

65 31.5 22.5 41.7

83 13.5 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: 52.840 ug/L

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW004564.D

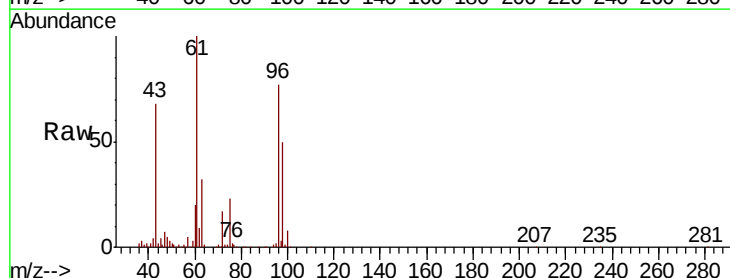
Acq: 09 Aug 2018 19:34

Tgt Ion: 43 Resp: 275581

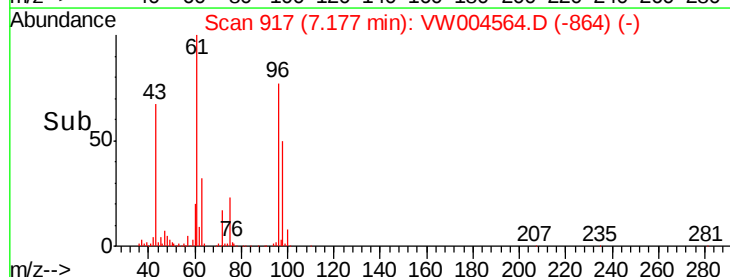
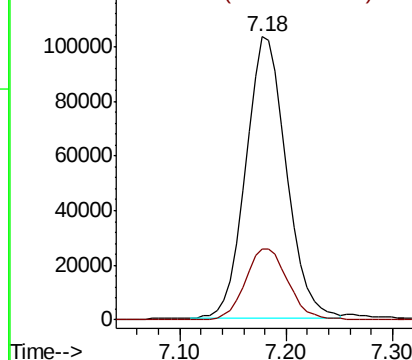
Ion Ratio Lower Upper

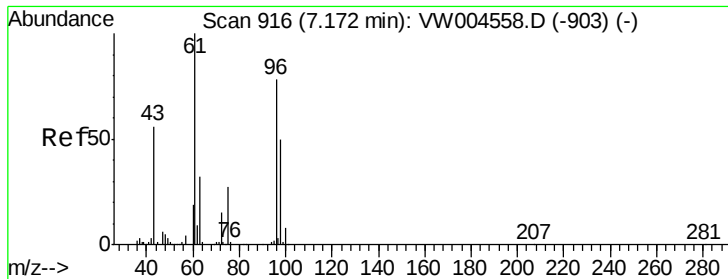
43 100

72 26.5 13.2 39.6



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



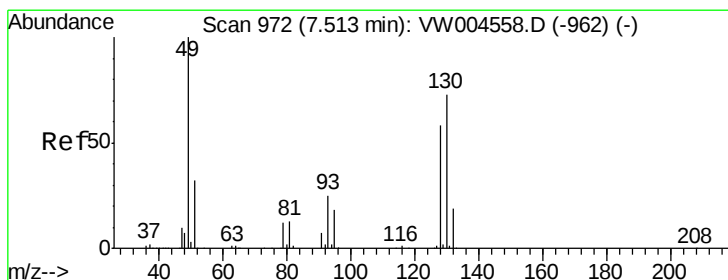
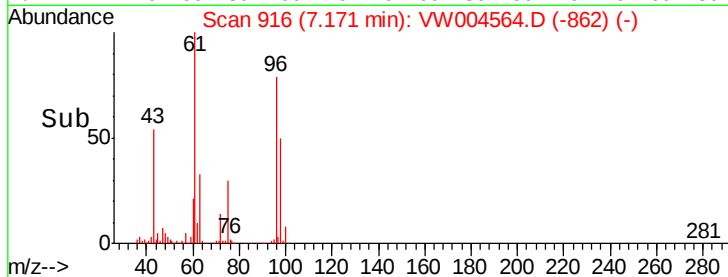
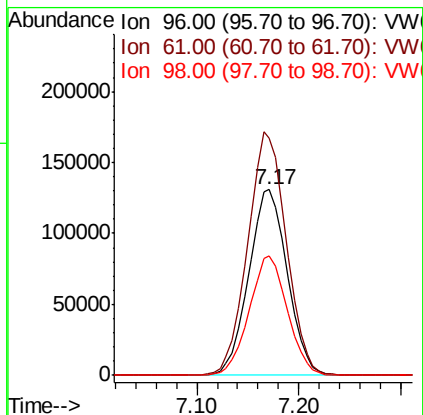
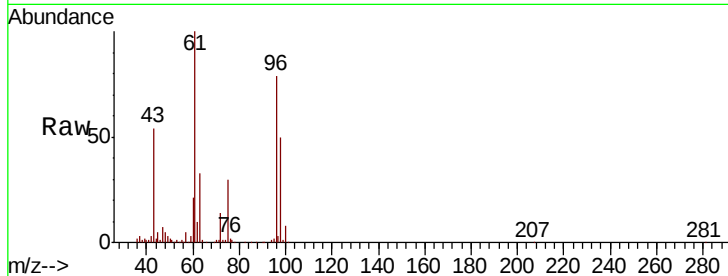


#22

cis-1,2-Dichloroethene
 Concen: 27.732 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VW004564.D
 Acq: 09 Aug 2018 19:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02586

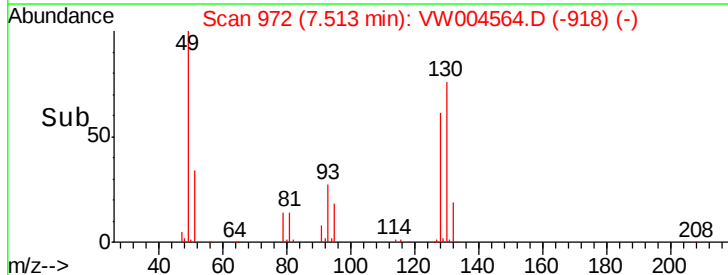
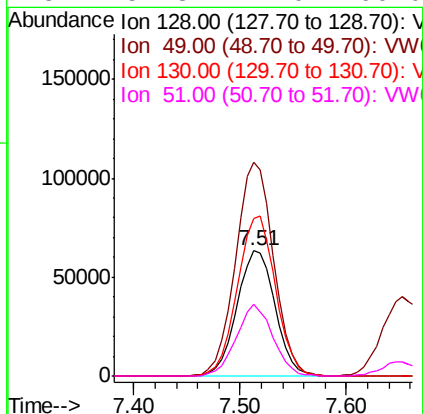
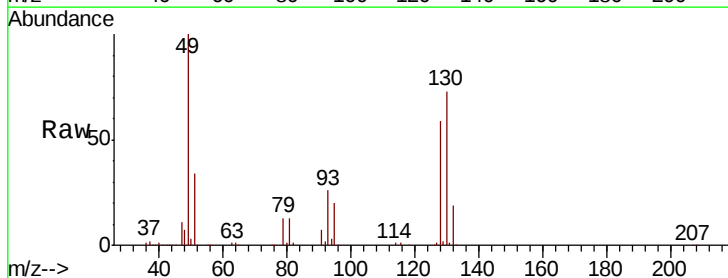
Tgt Ion: 96 Resp: 344198
 Ion Ratio Lower Upper
 96 100
 61 127.4 92.5 171.7
 98 64.3 44.1 81.9

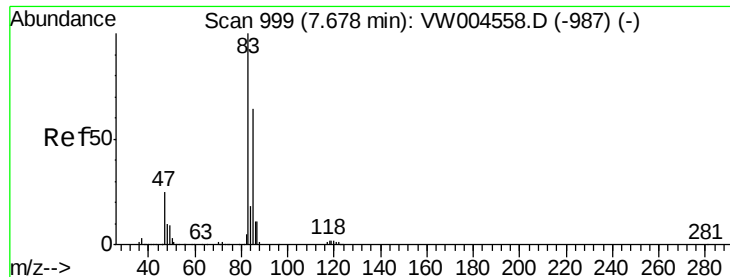


#23

Bromochloromethane
 Concen: 26.926 ug/L
 RT: 7.51 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VW004564.D
 Acq: 09 Aug 2018 19:34

Tgt Ion: 128 Resp: 159952
 Ion Ratio Lower Upper
 128 100
 49 170.8 122.0 226.6
 130 125.5 88.8 164.8
 51 57.3 44.0 66.0

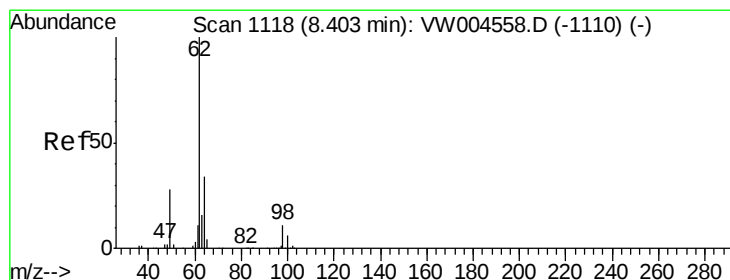
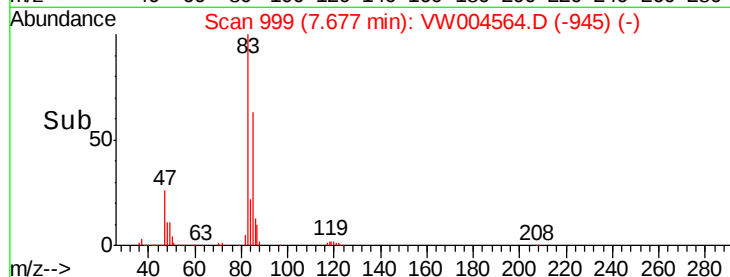
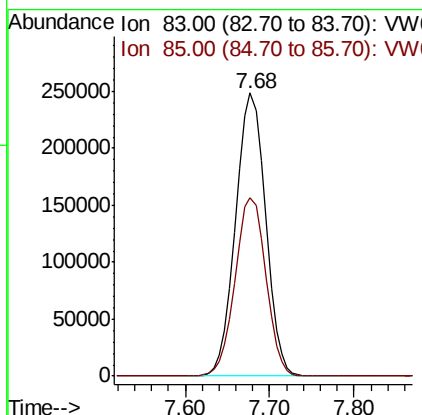
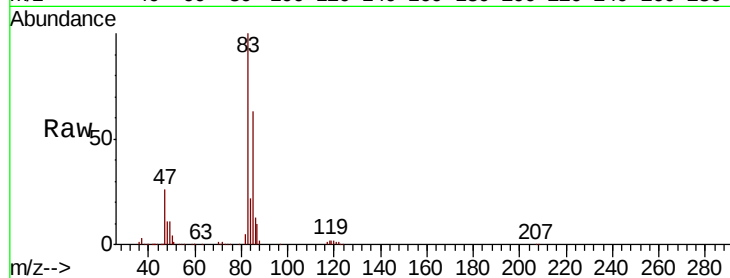




#25
Chloroform
Concen: 27.189 ug/L
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004564.D
Acq: 09 Aug 2018 19:34

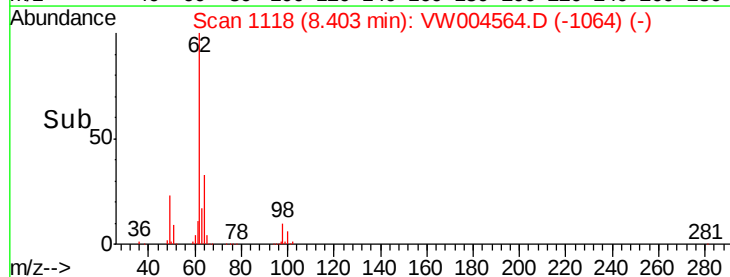
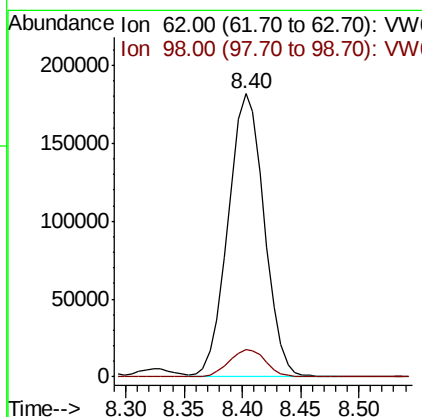
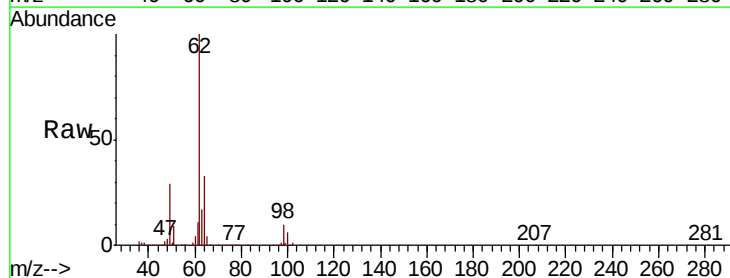
Instrument :
MSVOA_W
ClientSampled :
VSTD02586

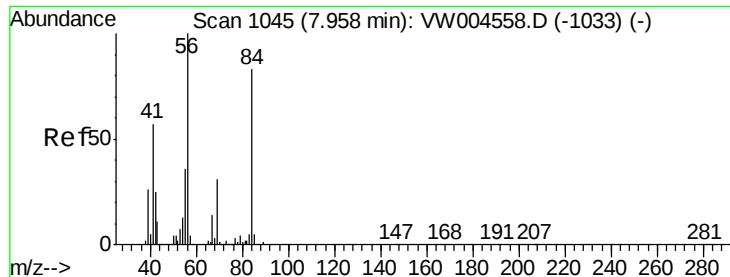
Tgt Ion: 83 Resp: 598838
Ion Ratio Lower Upper
83 100
85 64.7 45.7 84.9



#27
1,2-Dichloroethane
Concen: 26.493 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW004564.D
Acq: 09 Aug 2018 19:34

Tgt Ion: 62 Resp: 392003
Ion Ratio Lower Upper
62 100
98 9.9 7.6 11.4

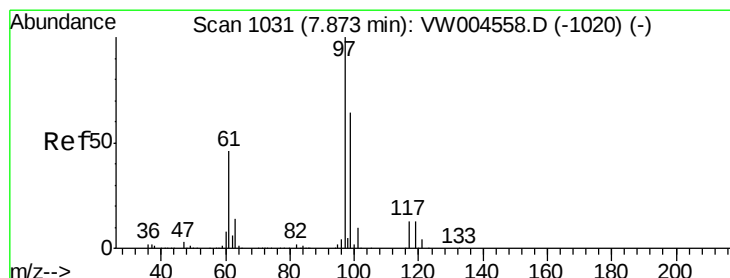
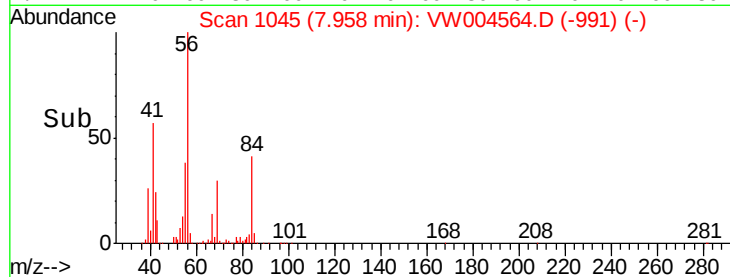
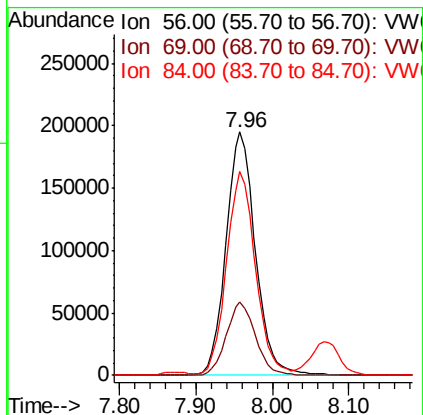
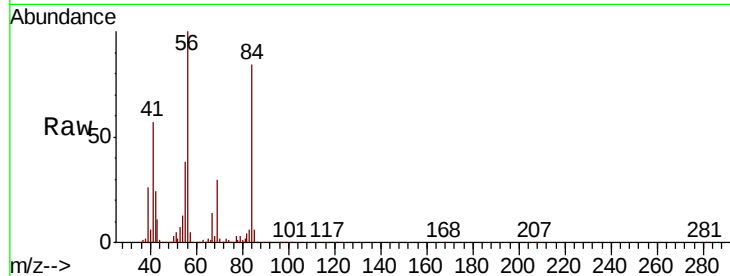




#30
Cyclohexane
Concen: 27.473 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004564.D
Acq: 09 Aug 2018 19:34

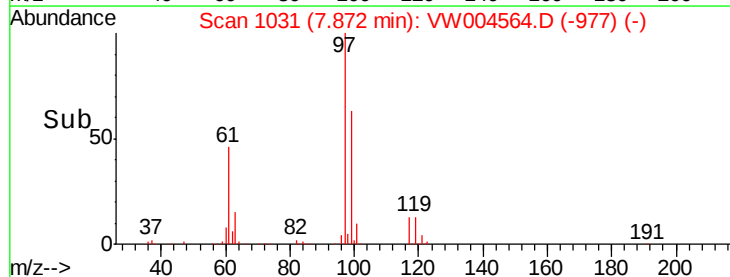
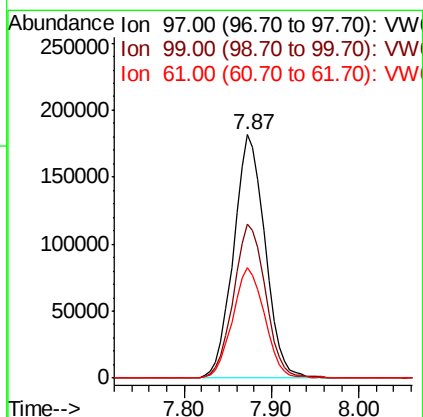
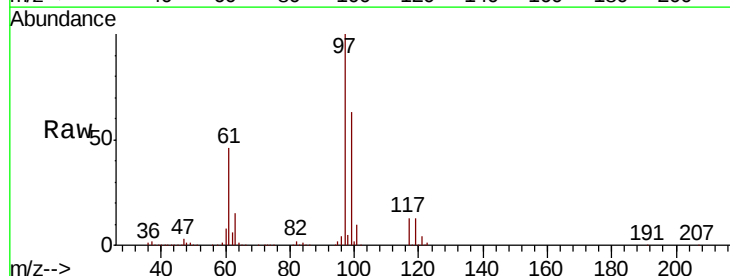
Instrument :
MSVOA_W
ClientSampleId :
VSTD02586

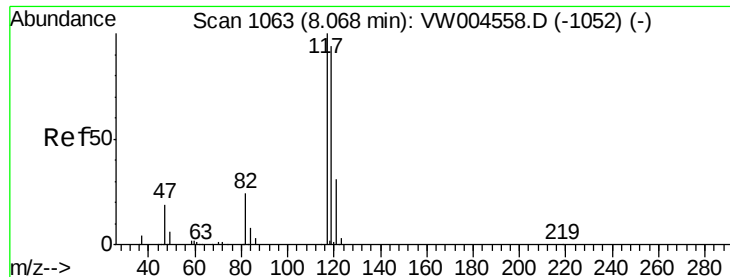
Tgt Ion: 56 Resp: 518324
Ion Ratio Lower Upper
56 100
69 29.8 24.0 36.0
84 82.6 66.7 100.1



#31
1,1,1-Trichloroethane
Concen: 26.909 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004564.D
Acq: 09 Aug 2018 19:34

Tgt Ion: 97 Resp: 456088
Ion Ratio Lower Upper
97 100
99 64.2 51.8 77.6
61 46.0 37.3 55.9





#32

Carbon tetrachloride

Concen: 26.691 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW004564.D

Acq: 09 Aug 2018 19:34

Instrument :

MSVOA_W

ClientSampleId :

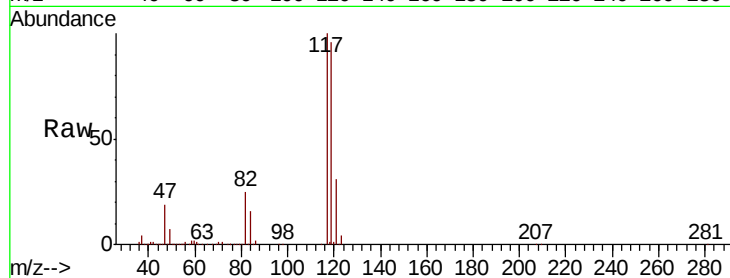
VSTD02586

Tgt Ion:117 Resp: 435990

Ion Ratio Lower Upper

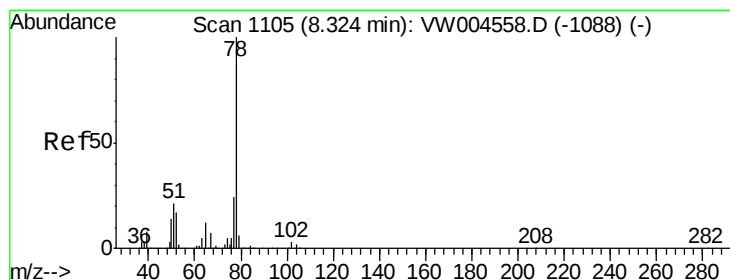
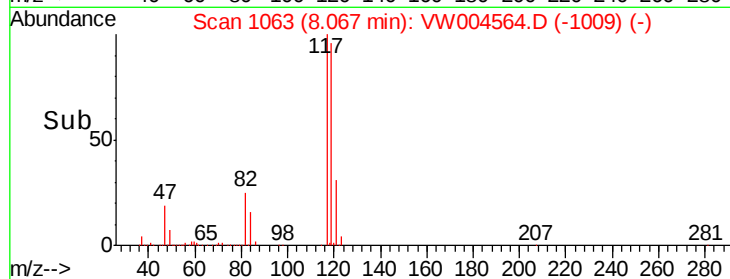
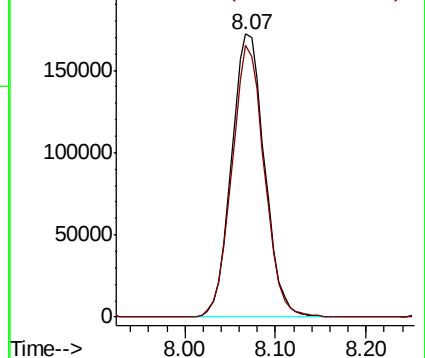
117 100

119 94.3 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: 27.201 ug/L

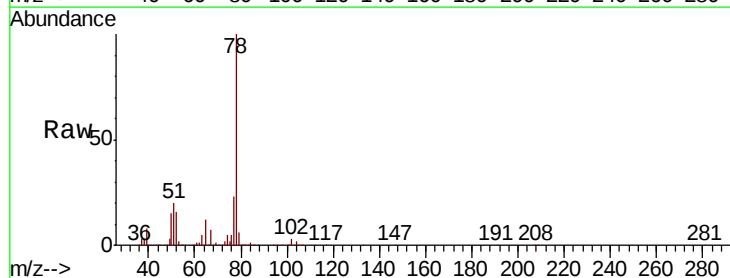
RT: 8.32 min Scan# 1105

Delta R.T. -0.00 min

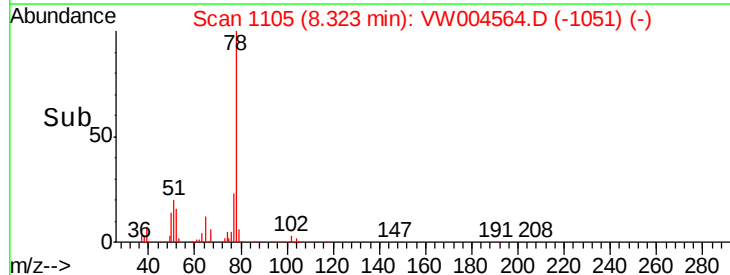
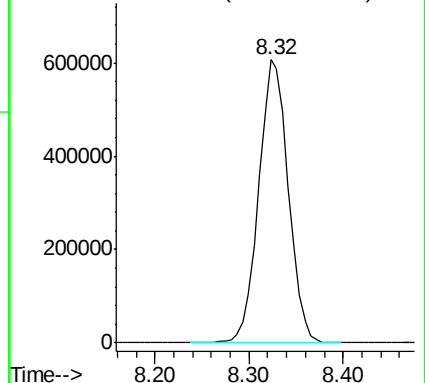
Lab File: VW004564.D

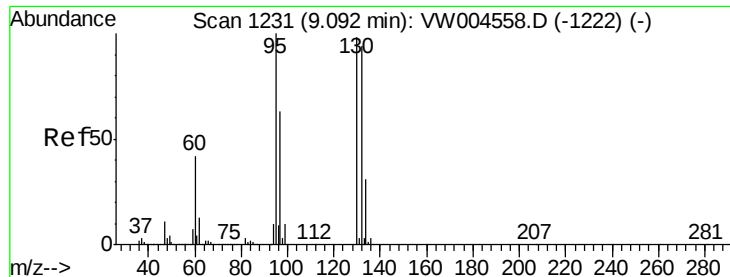
Acq: 09 Aug 2018 19:34

Tgt Ion: 78 Resp: 1337907



Abundance Ion 78.00 (77.70 to 78.70): VW

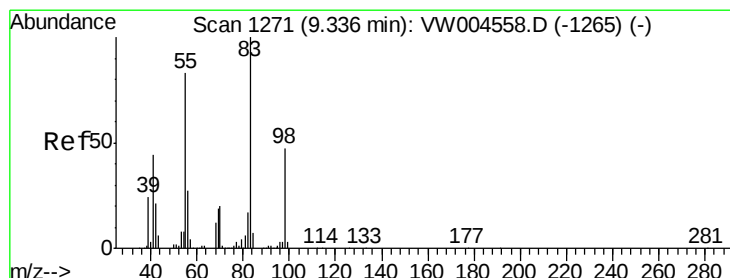
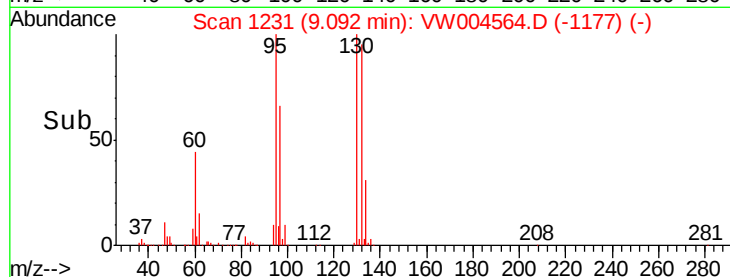
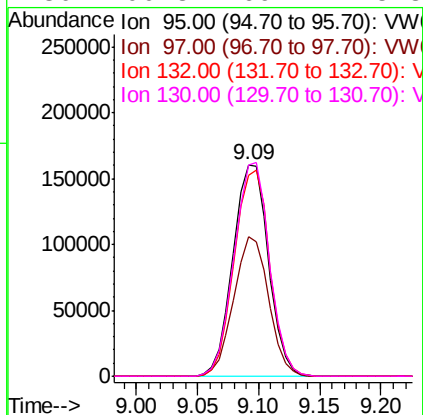
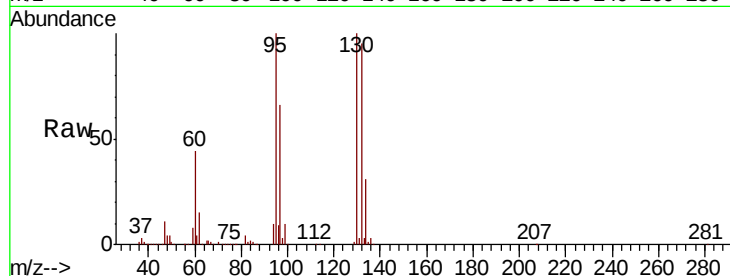




#35
 Trichloroethene
 Concen: 26.153 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VW004564.D
 Acq: 09 Aug 2018 19:34

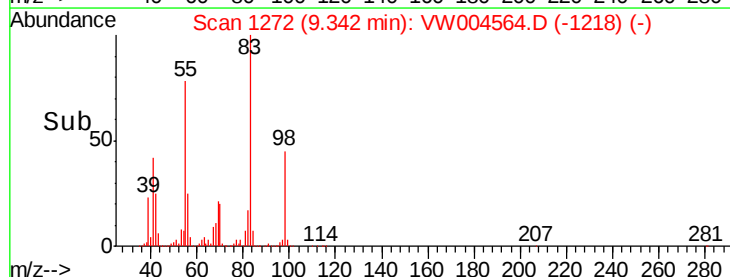
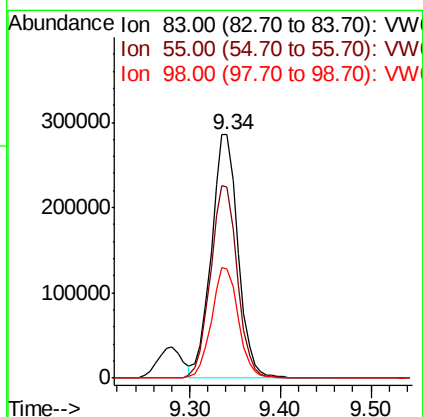
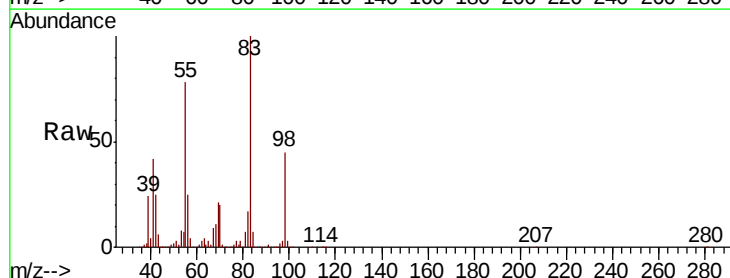
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02586

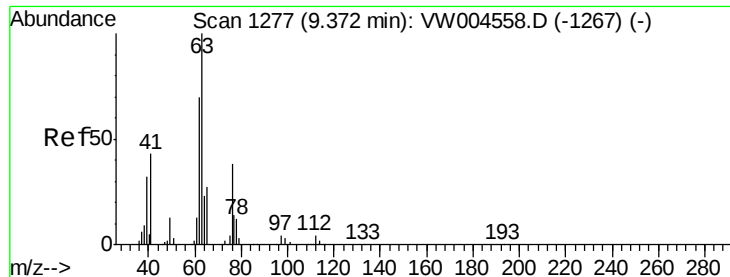
Tgt Ion:	95	Resp:	323561
Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.9	83.5
132	97.2	67.6	125.6
130	100.3	69.1	128.3



#36
 Methylcyclohexane
 Concen: 27.131 ug/L
 RT: 9.34 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VW004564.D
 Acq: 09 Aug 2018 19:34

Tgt Ion:	83	Resp:	589215
Ion	Ratio	Lower	Upper
83	100		
55	79.4	62.8	94.2
98	45.5	36.6	54.8

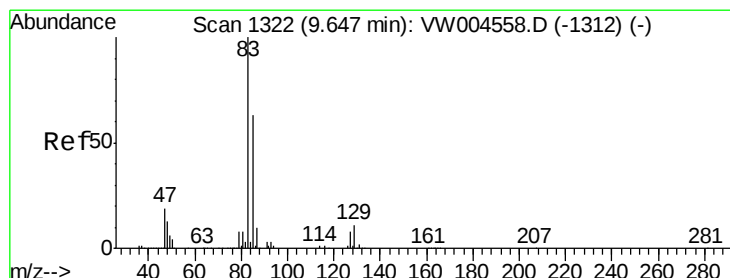
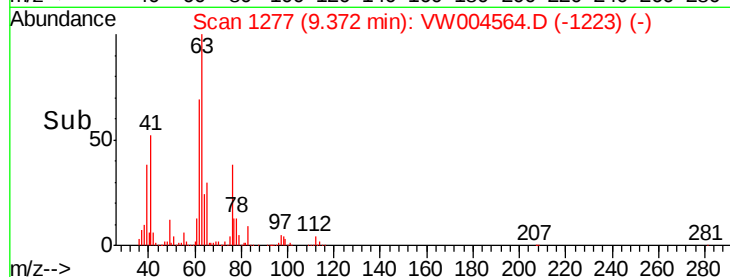
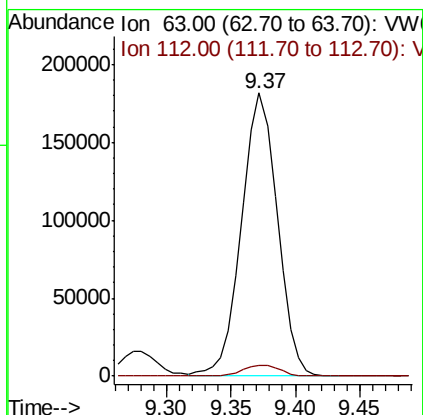
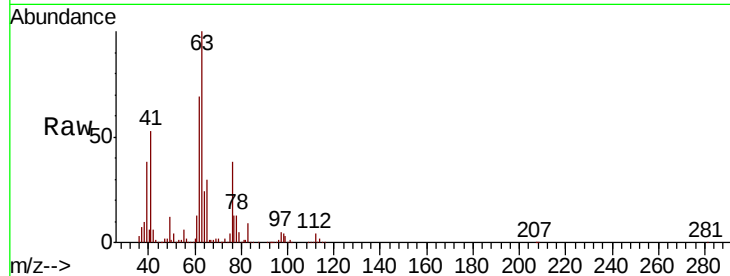




#40
 1,2-Dichloropropane
 Concen: 26.920 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004564.D
 Acq: 09 Aug 2018 19:34

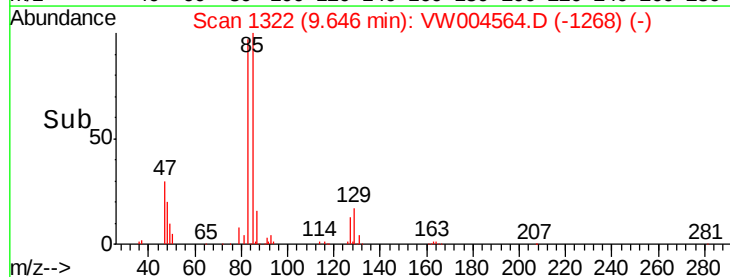
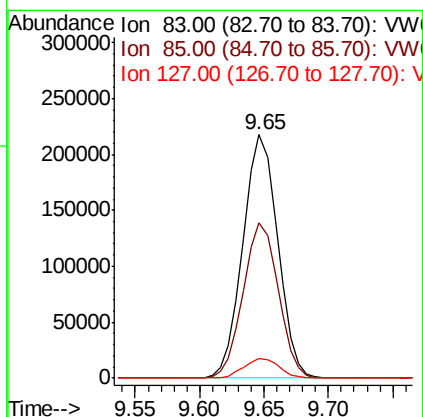
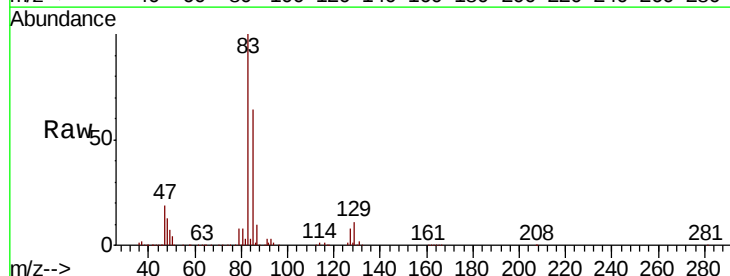
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02586

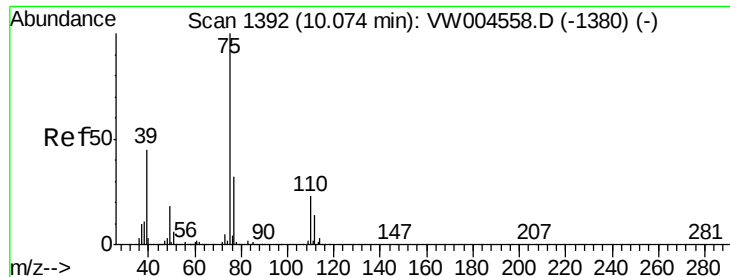
Tgt Ion: 63 Resp: 350675
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.0 4.6



#41
 Bromodichloromethane
 Concen: 26.102 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW004564.D
 Acq: 09 Aug 2018 19:34

Tgt Ion: 83 Resp: 408438
 Ion Ratio Lower Upper
 83 100
 85 63.9 43.7 81.1
 127 8.1 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 26.251 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW004564.D

Acq: 09 Aug 2018 19:34

Instrument :

MSVOA_W

ClientSampleId :

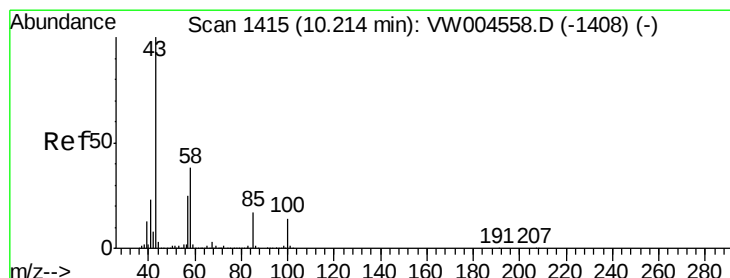
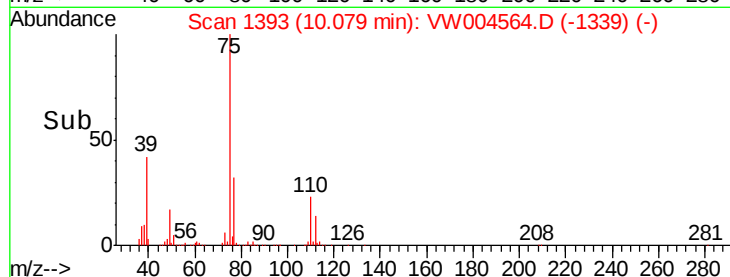
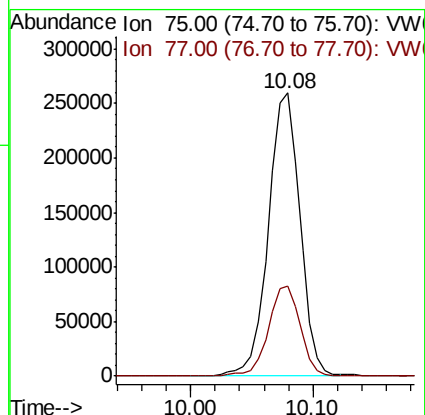
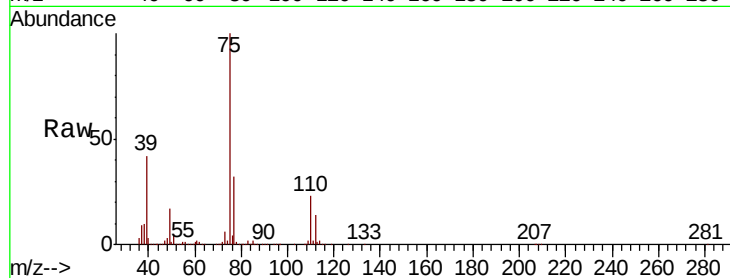
VSTD02586

Tgt Ion: 75 Resp: 467793

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.7



#43

4-Methyl-2-pentanone

Concen: 54.591 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VW004564.D

Acq: 09 Aug 2018 19:34

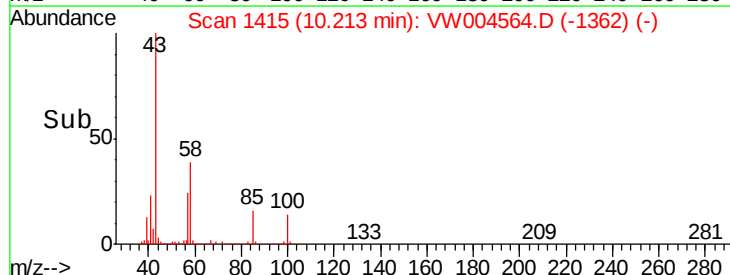
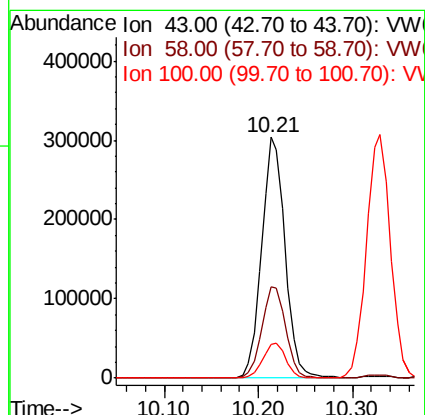
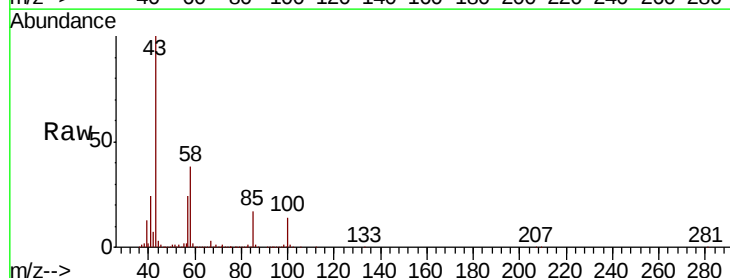
Tgt Ion: 43 Resp: 533215

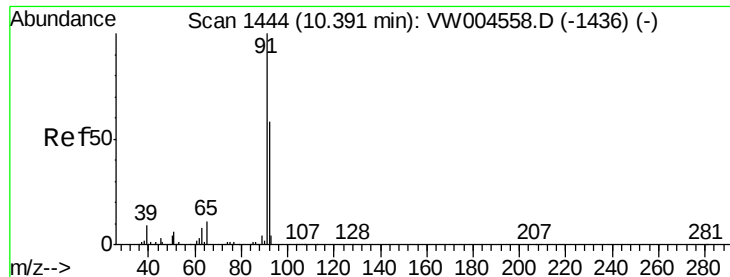
Ion Ratio Lower Upper

43 100

58 38.8 31.5 47.3

100 14.4 11.7 17.5





#44

Toluene

Concen: 27.939 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004564.D

Acq: 09 Aug 2018 19:34

Instrument :

MSVOA_W

ClientSampleId :

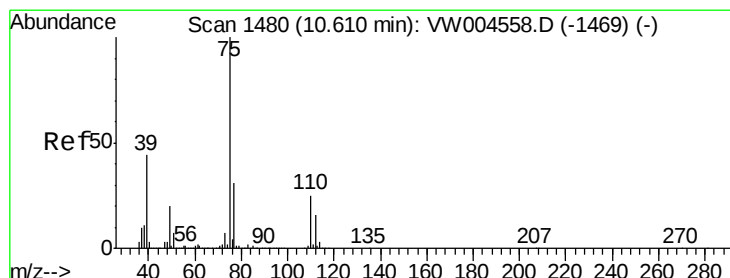
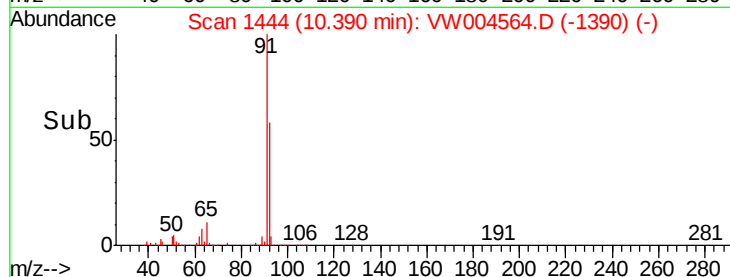
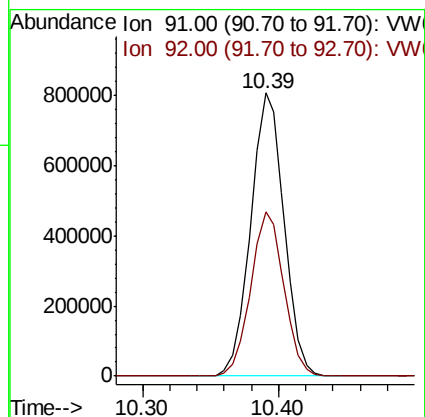
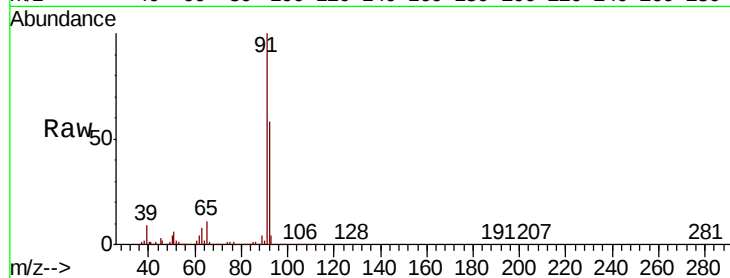
VSTD02586

Tgt Ion: 91 Resp: 1382874

Ion Ratio Lower Upper

91 100

92 58.0 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 26.682 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004564.D

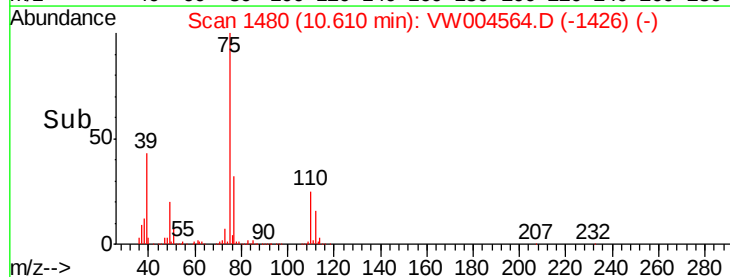
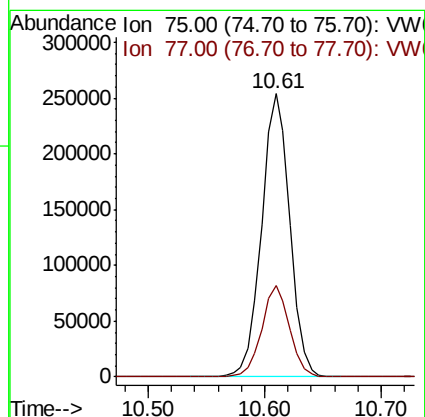
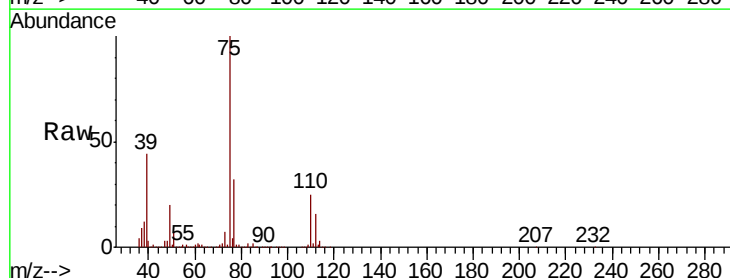
Acq: 09 Aug 2018 19:34

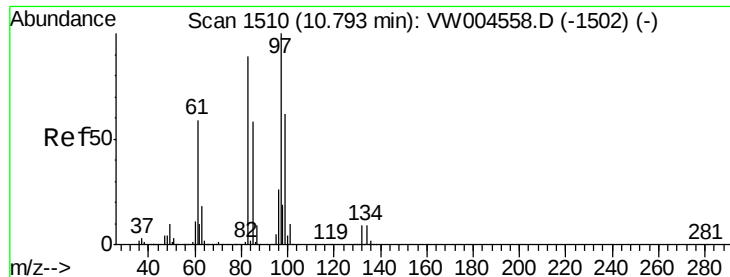
Tgt Ion: 75 Resp: 427396

Ion Ratio Lower Upper

75 100

77 32.3 21.8 40.6

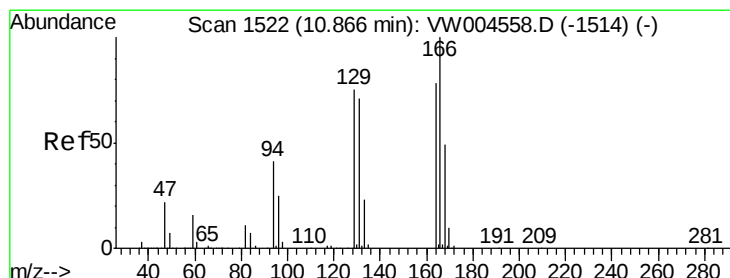
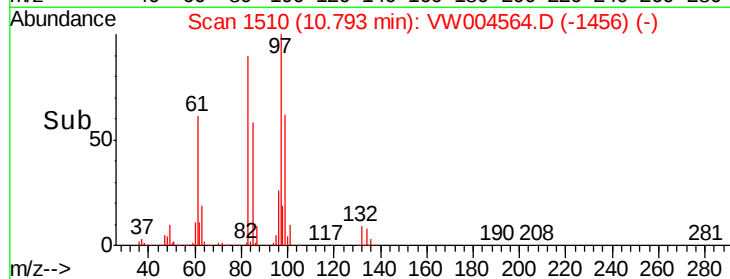
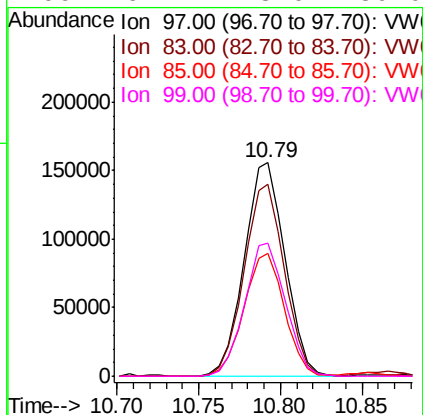
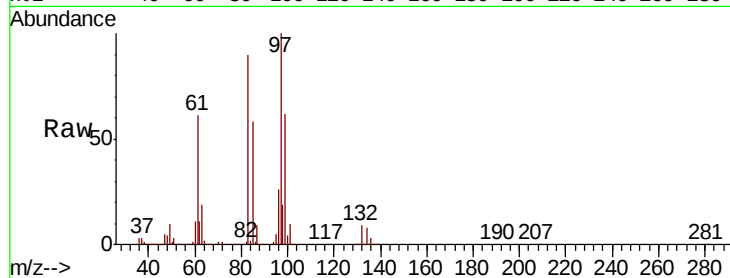




#46
 1,1,2-Trichloroethane
 Concen: 26.770 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004564.D
 Acq: 09 Aug 2018 19:34

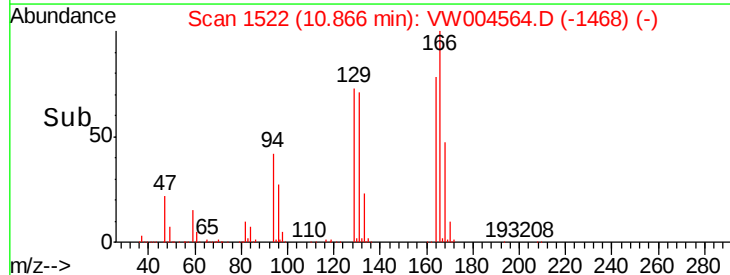
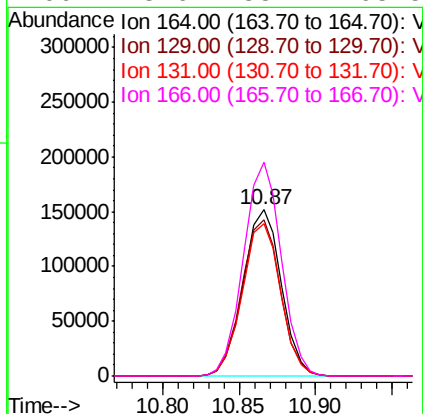
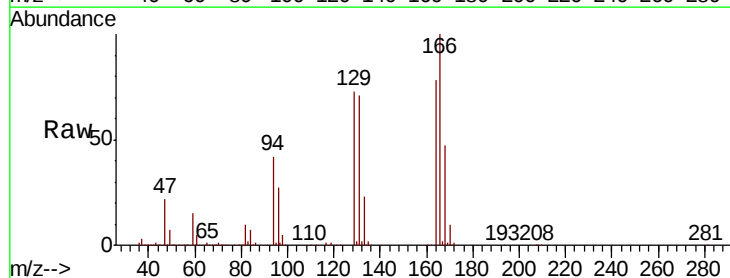
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02586

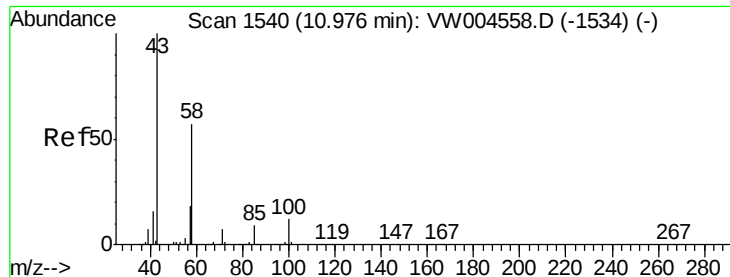
Tgt Ion:	97	Resp:	271100
Ion	Ratio	Lower	Upper
97	100		
83	89.7	61.8	114.8
85	57.8	38.8	72.0
99	62.1	43.0	80.0



#47
 Tetrachloroethene
 Concen: 26.954 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004564.D
 Acq: 09 Aug 2018 19:34

Tgt Ion:	164	Resp:	263844
Ion	Ratio	Lower	Upper
164	100		
129	93.9	65.4	121.4
131	91.8	63.8	118.6
166	128.6	88.1	163.5

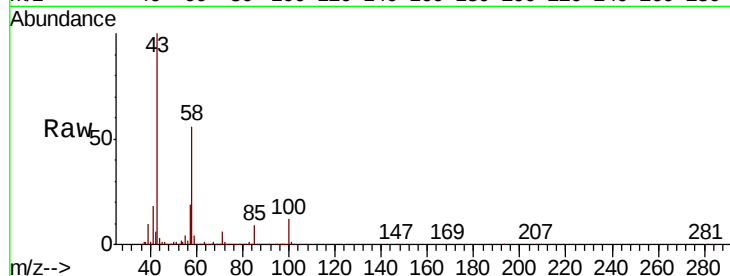




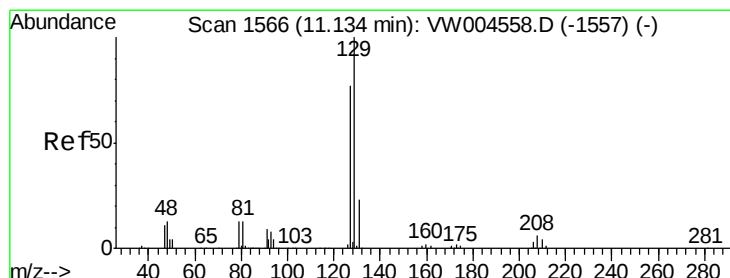
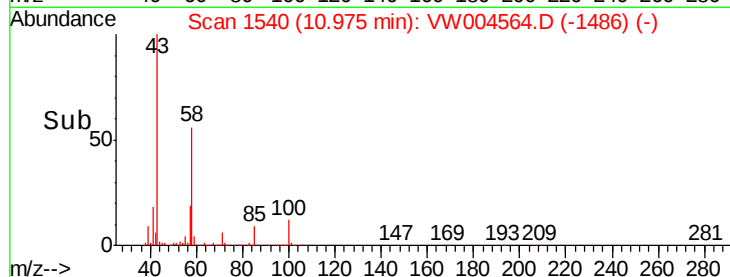
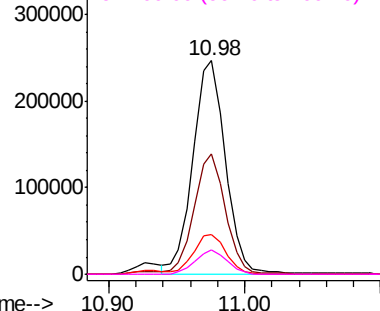
#49
2-Hexanone
Concen: 55.931 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004564.D
Acq: 09 Aug 2018 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTD02586

Tgt Ion:	43	Resp:	410534
Ion	Ratio	Lower	Upper
43	100		
58	54.6	43.4	65.0
57	18.2	15.0	22.6
100	11.1	8.9	13.3

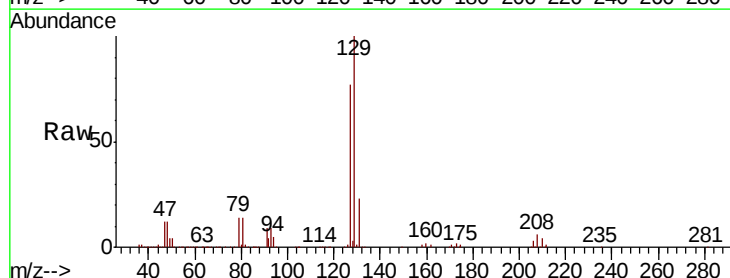


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

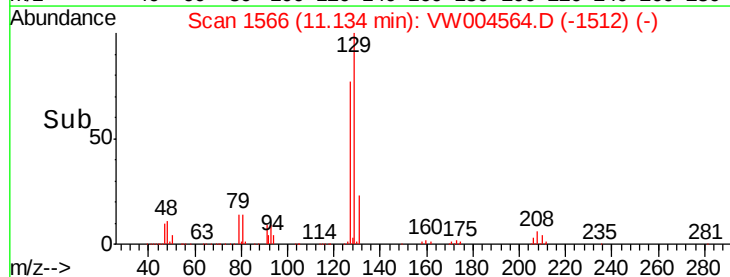
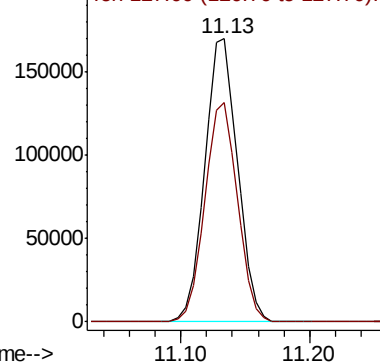


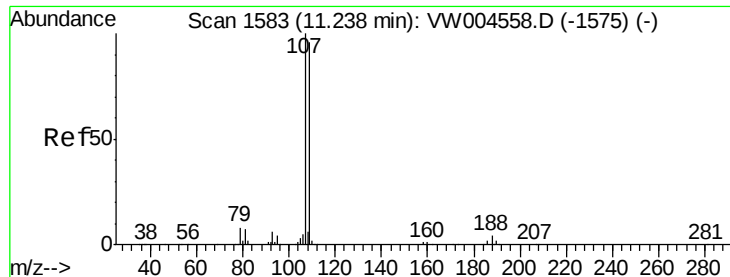
#50
Dibromochloromethane
Concen: 26.770 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004564.D
Acq: 09 Aug 2018 19:34

Tgt Ion:	129	Resp:	300734
Ion	Ratio	Lower	Upper
129	100		
127	77.4	54.1	100.5



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

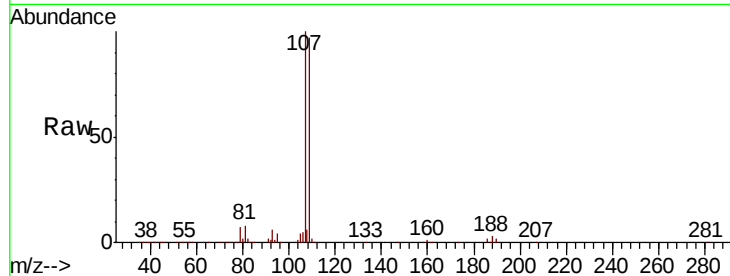




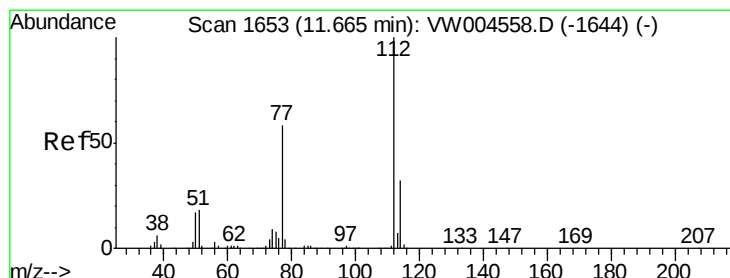
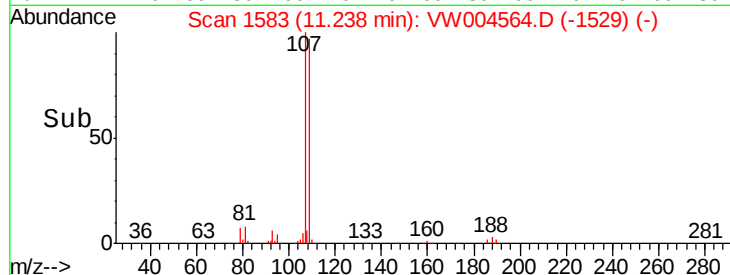
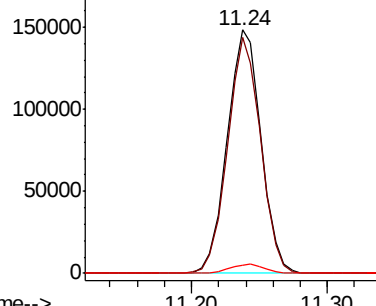
#51
1,2-Dibromoethane
Concen: 26.656 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VW004564.D
Acq: 09 Aug 2018 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTD02586

Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.7	66.8	124.2
188	3.4	2.6	3.8

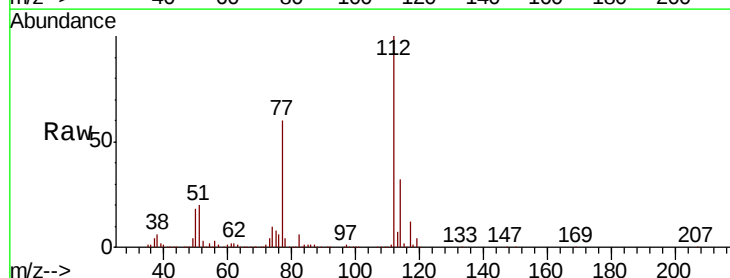


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

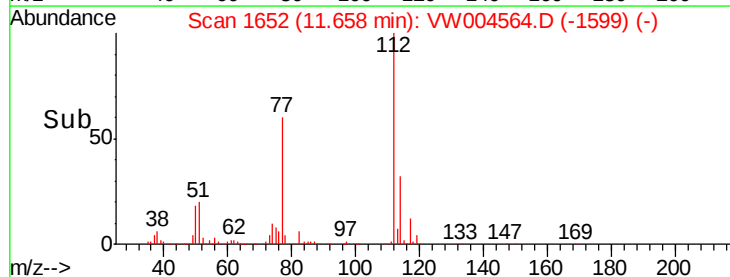
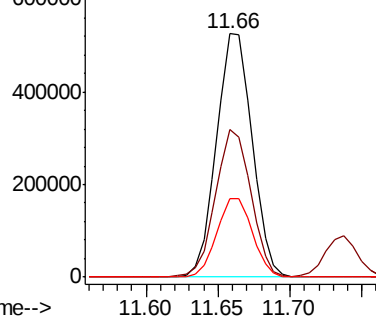


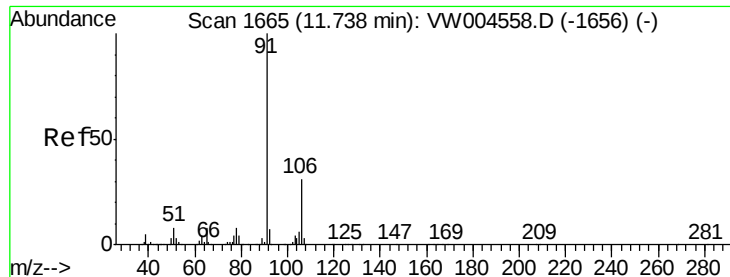
#52
Chlorobenzene
Concen: 26.913 ug/L
RT: 11.66 min Scan# 1652
Delta R.T. -0.01 min
Lab File: VW004564.D
Acq: 09 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
112	100		
77	60.4	46.5	69.7
114	32.0	22.0	41.0



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

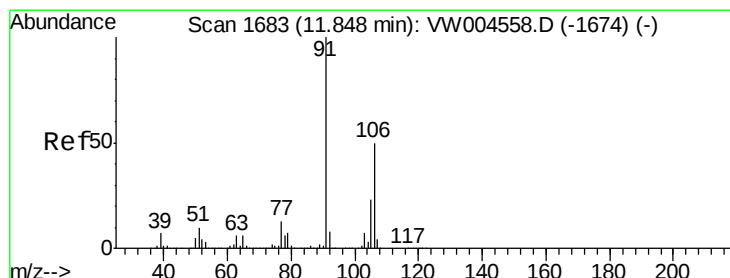
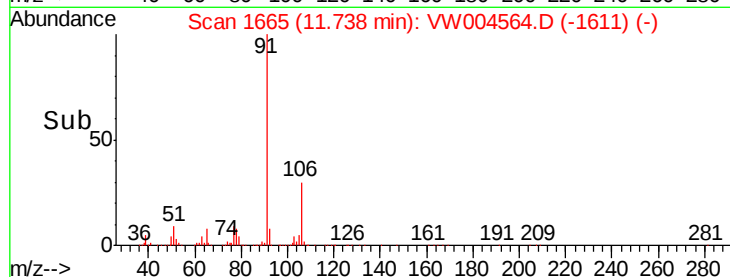
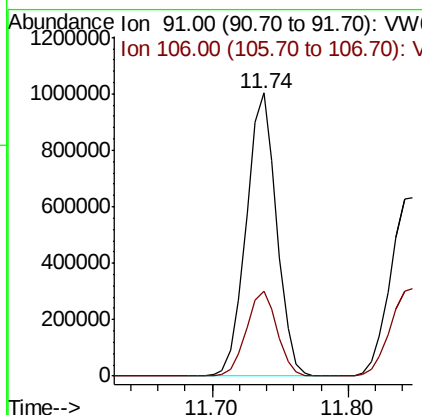
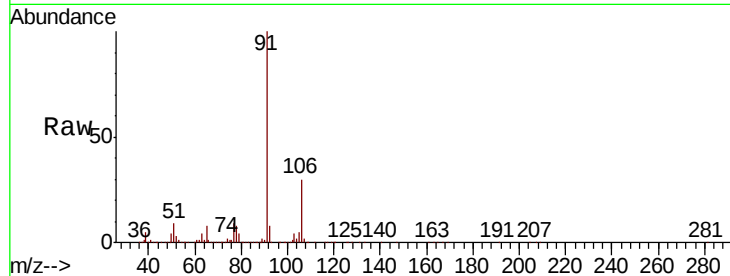




#53
Ethylbenzene
Concen: 28.115 ug/L
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004564.D
Acq: 09 Aug 2018 19:34

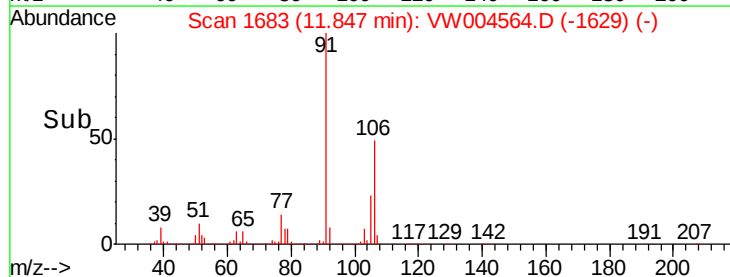
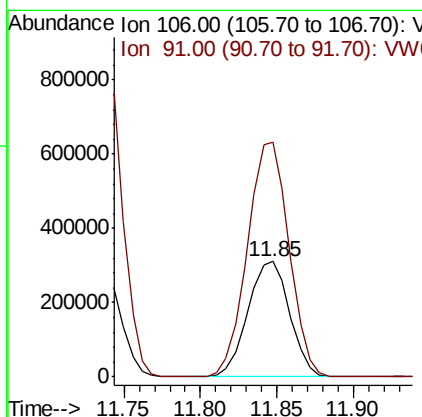
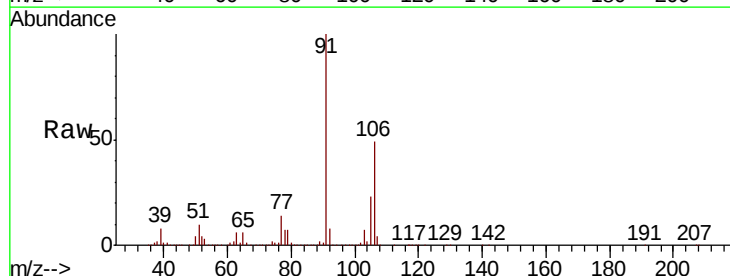
Instrument :
MSVOA_W
ClientSampleId :
VSTD02586

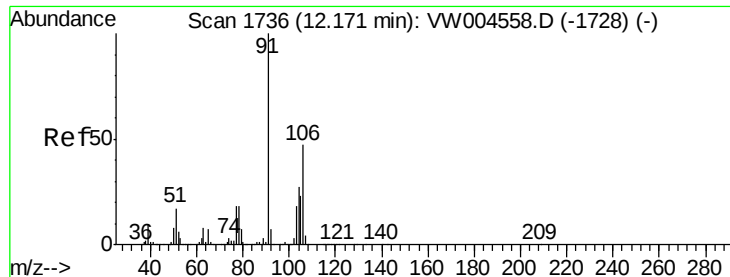
Tgt Ion: 91 Resp: 1563740
Ion Ratio Lower Upper
91 100
106 29.9 21.6 40.0



#54
m,p-Xylene
Concen: 28.524 ug/L
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004564.D
Acq: 09 Aug 2018 19:34

Tgt Ion: 106 Resp: 591916
Ion Ratio Lower Upper
106 100
91 203.3 143.0 265.6

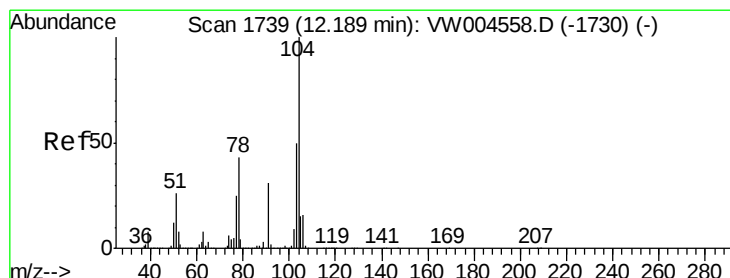
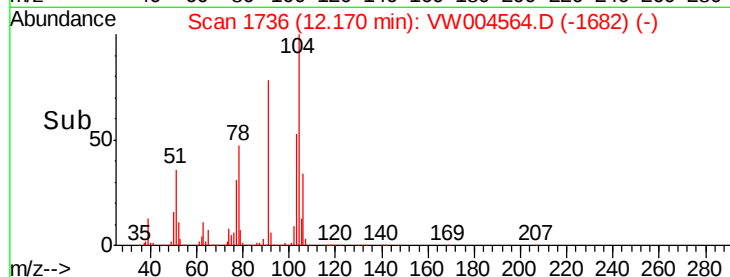
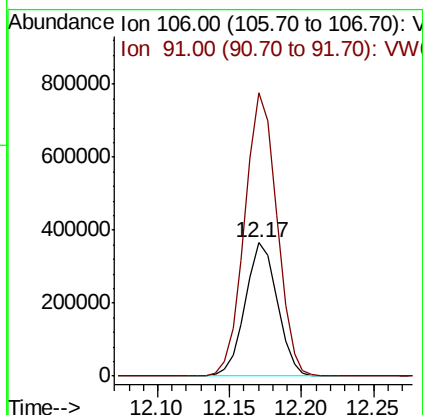
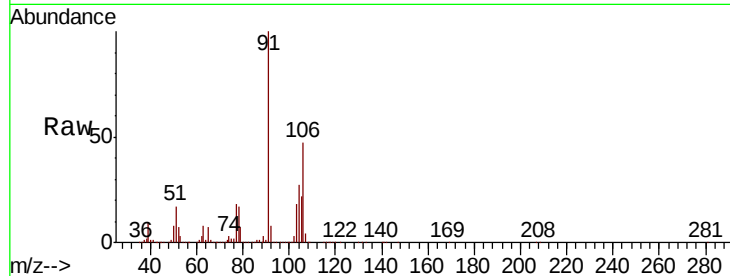




#55
o-xylene
Concen: 28.609 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004564.D
Acq: 09 Aug 2018 19:34

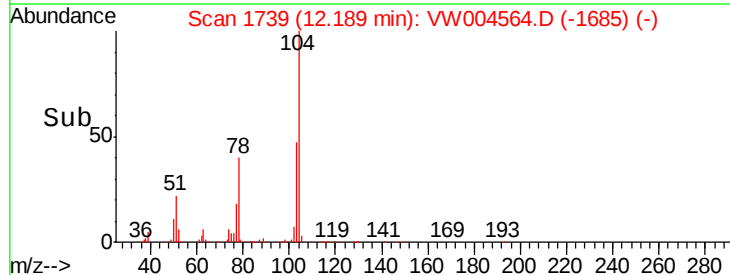
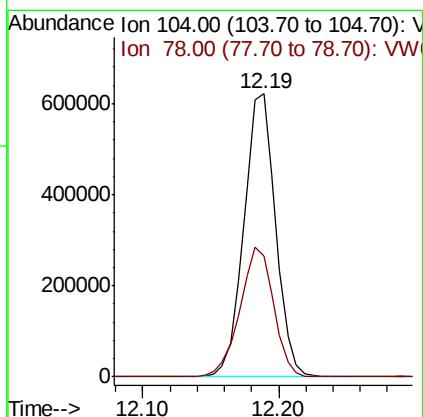
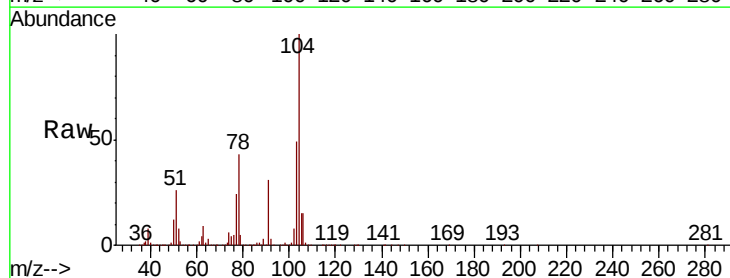
Instrument :
MSVOA_W
ClientSampled :
VSTD02586

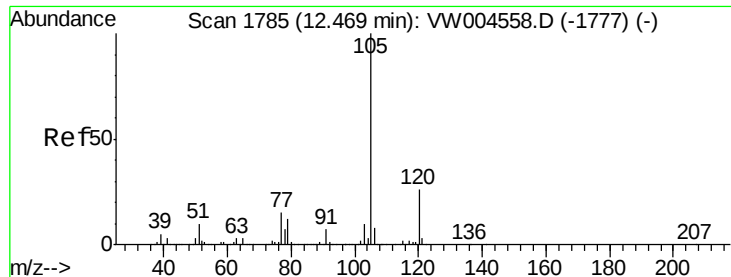
Tgt Ion:106 Resp: 562525
Ion Ratio Lower Upper
106 100
91 212.1 152.0 282.4



#56
Styrene
Concen: 29.508 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004564.D
Acq: 09 Aug 2018 19:34

Tgt Ion:104 Resp: 1010999
Ion Ratio Lower Upper
104 100
78 42.8 30.8 57.2





#57

Isopropylbenzene

Concen: 29.080 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004564.D

Acq: 09 Aug 2018 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD02586

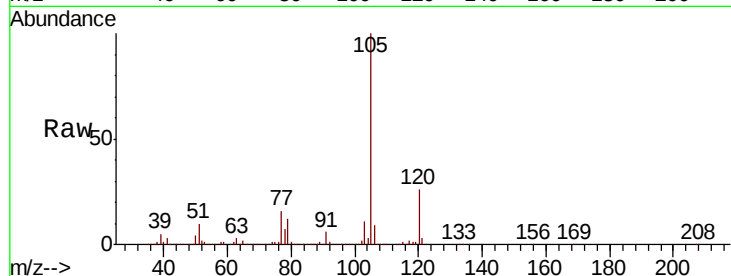
Tgt Ion:105 Resp: 1547722

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.4

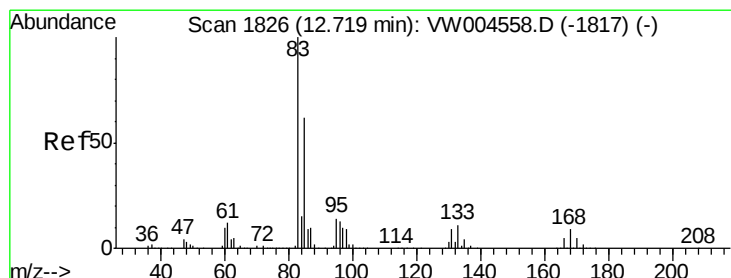
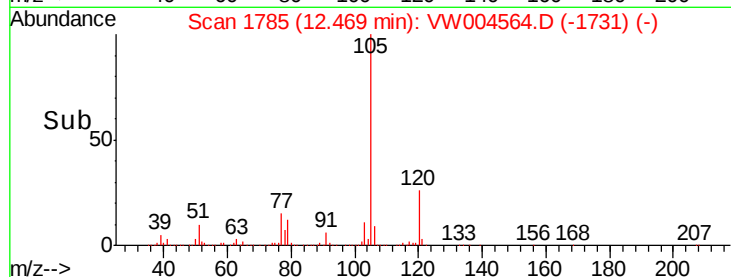
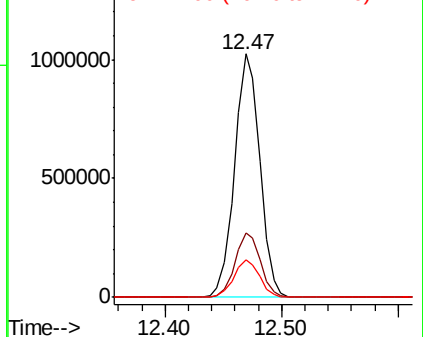
77 15.6 12.4 18.6



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: 26.619 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004564.D

Acq: 09 Aug 2018 19:34

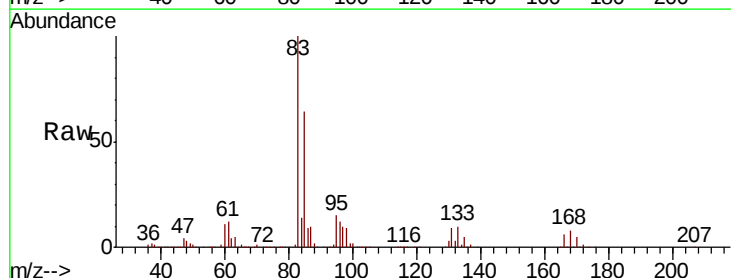
Tgt Ion: 83 Resp: 391253

Ion Ratio Lower Upper

83 100

85 64.3 46.1 85.5

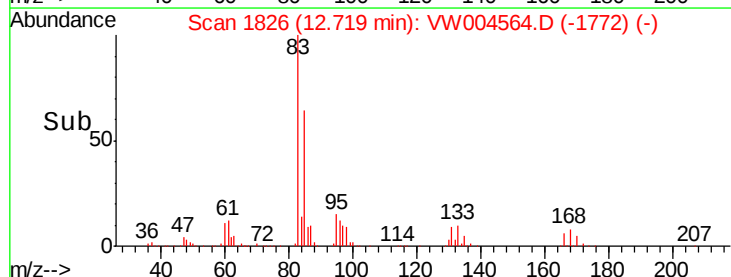
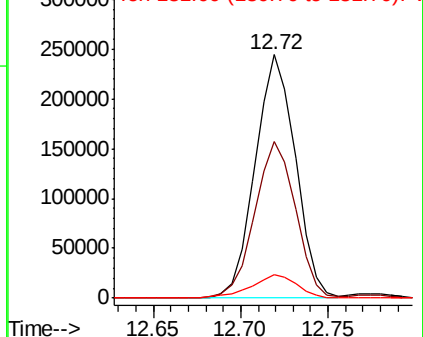
131 9.4 8.1 12.1

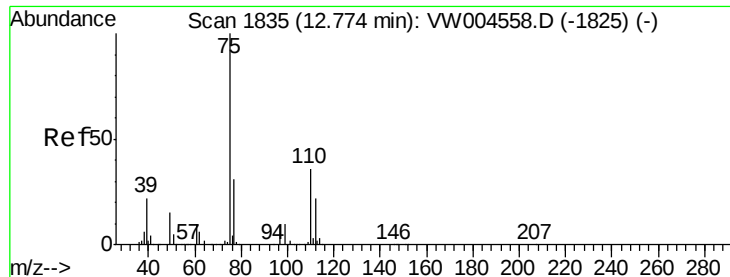


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.812 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004564.D

Acq: 09 Aug 2018 19:34

Instrument :

MSVOA_W

ClientSampleId :

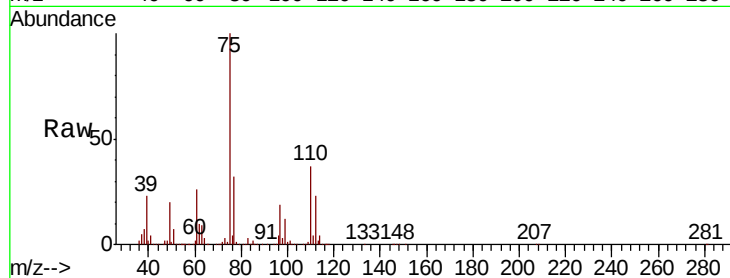
VSTD02586

Tgt Ion: 75 Resp: 294334

Ion Ratio Lower Upper

75 100

77 32.5 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

200000

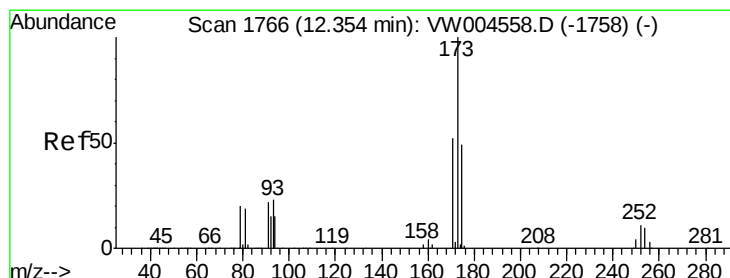
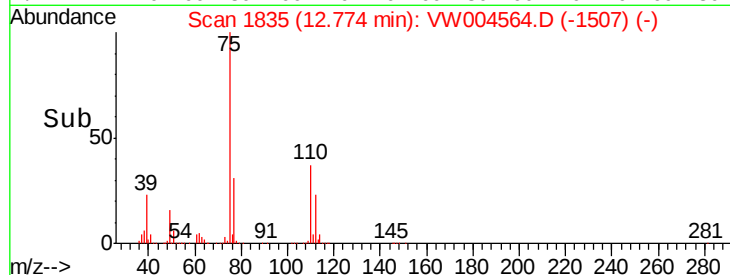
150000

100000

50000

0

Time-->



#62

Bromoform

Concen: 25.921 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004564.D

Acq: 09 Aug 2018 19:34

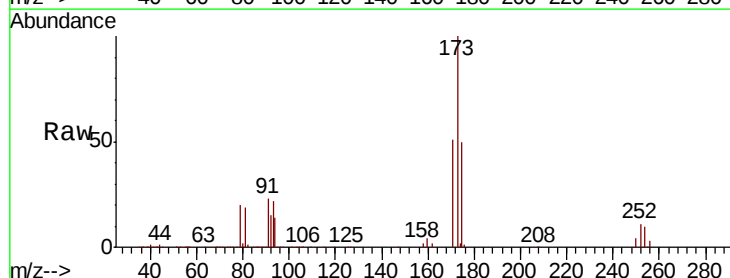
Tgt Ion: 173 Resp: 193618

Ion Ratio Lower Upper

173 100

175 49.3 39.0 58.4

254 10.9 8.1 12.1



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

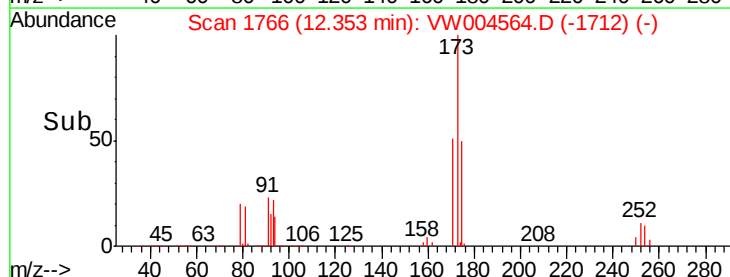
150000

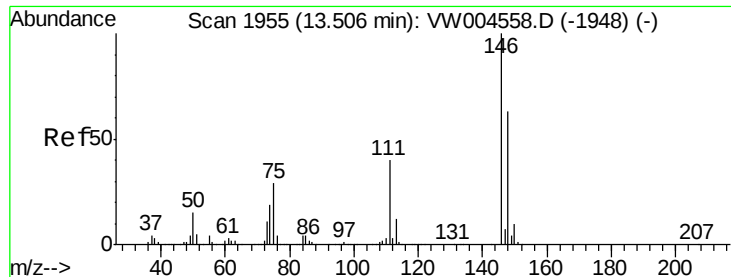
100000

50000

0

Time-->

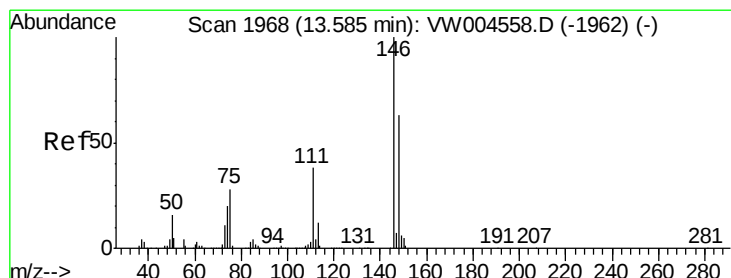
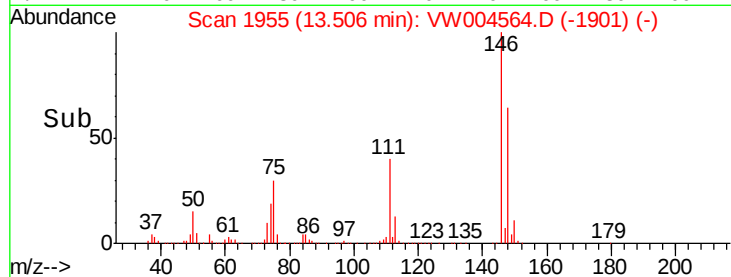
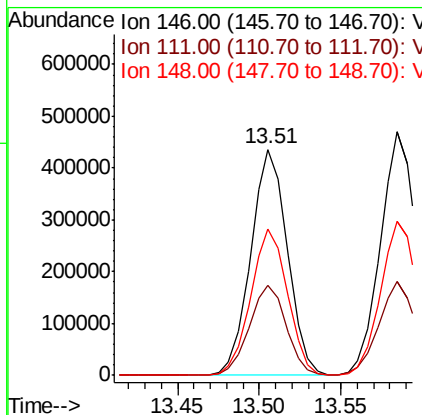
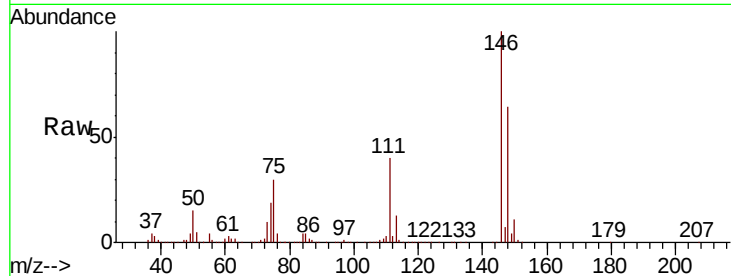




#63
 1,3-Dichlorobenzene
 Concen: 26.610 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004564.D
 Acq: 09 Aug 2018 19:34

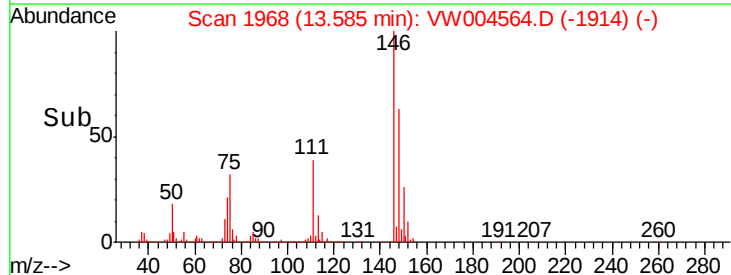
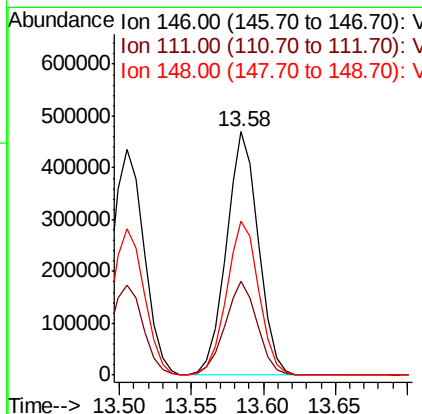
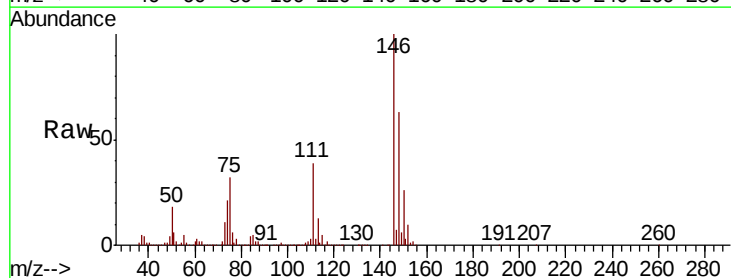
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02586

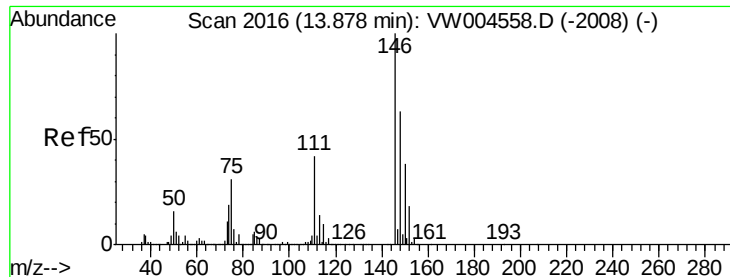
Tgt Ion:146 Resp: 680500
 Ion Ratio Lower Upper
 146 100
 111 39.6 27.7 51.5
 148 64.5 43.8 81.4



#64
 1,4-Dichlorobenzene
 Concen: 26.513 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004564.D
 Acq: 09 Aug 2018 19:34

Tgt Ion:146 Resp: 728700
 Ion Ratio Lower Upper
 146 100
 111 38.7 27.7 51.5
 148 63.2 45.5 84.5





#65

1,2-Dichlorobenzene

Concen: 26.806 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW004564.D

Acq: 09 Aug 2018 19:34

Instrument :

MSVOA_W

ClientSampled :

VSTD02586

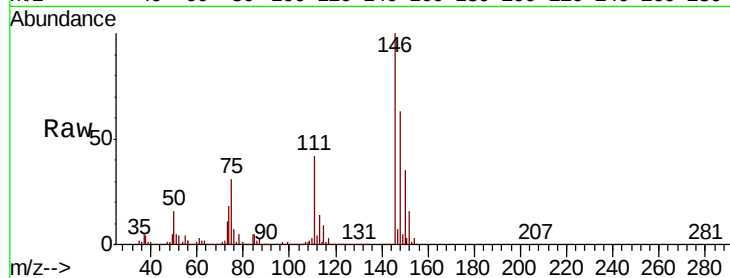
Tgt Ion:146 Resp: 686878

Ion Ratio Lower Upper

146 100

111 41.5 33.4 50.2

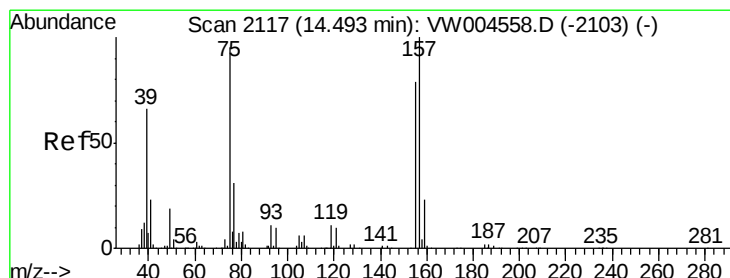
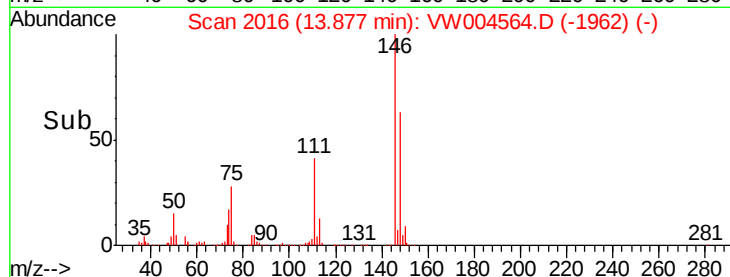
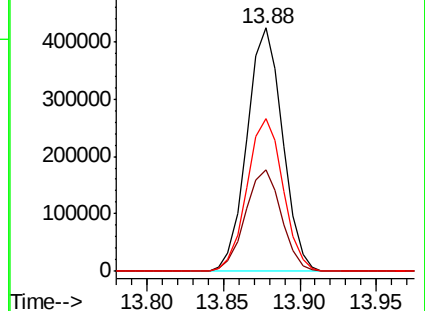
148 62.9 50.8 76.2



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: 24.050 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW004564.D

Acq: 09 Aug 2018 19:34

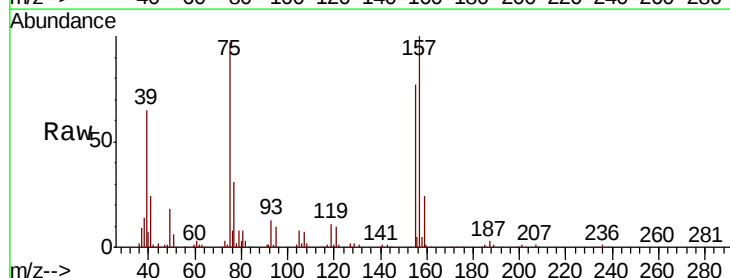
Tgt Ion: 75 Resp: 63302

Ion Ratio Lower Upper

75 100

157 103.1 81.4 122.0

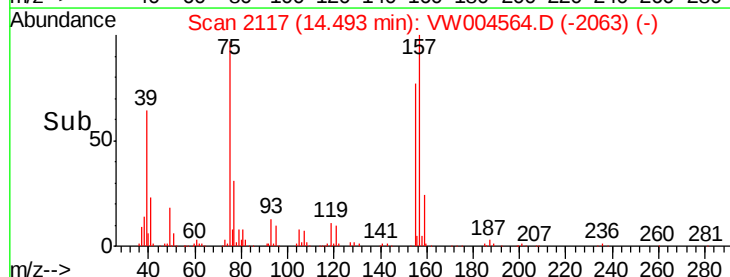
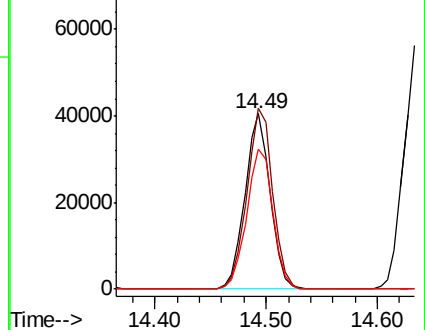
155 79.7 63.0 94.6

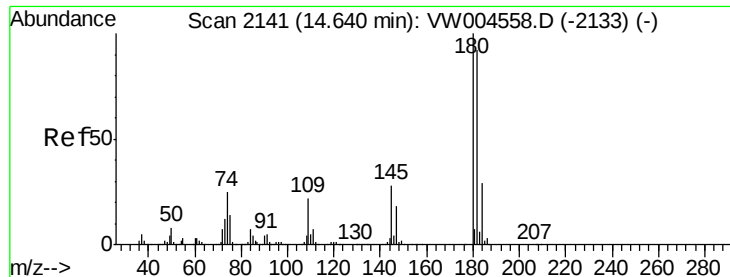


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

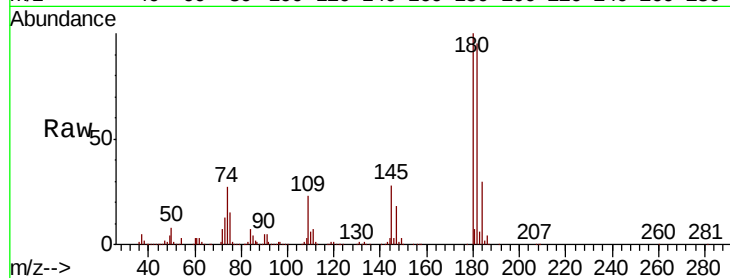




#67
 1,3,5-Trichlorobenzene
 Concen: 26.666 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004564.D
 Acq: 09 Aug 2018 19:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02586

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.1	112.7
184	30.2	24.0	36.0
145	29.1	23.0	34.6



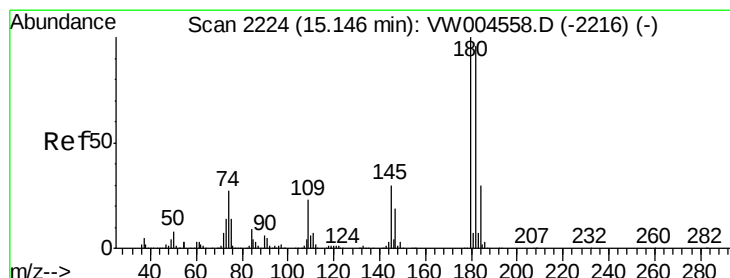
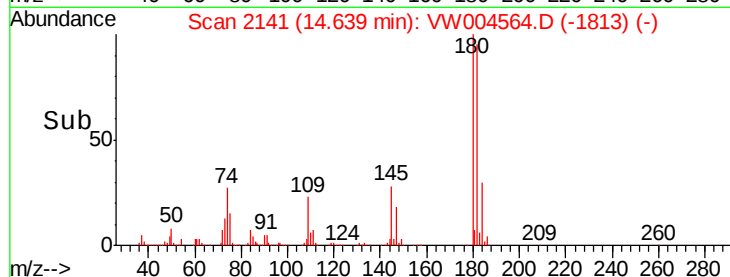
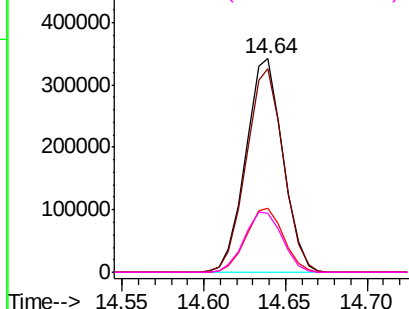
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

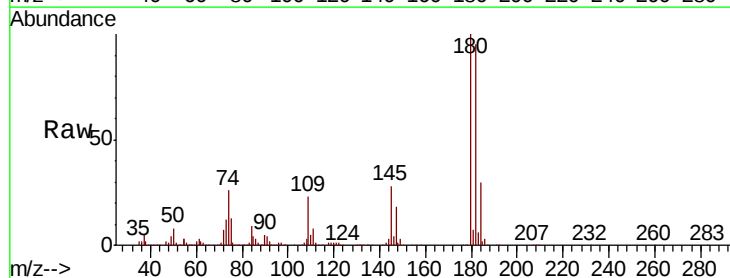
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.886 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004564.D
 Acq: 09 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.9	115.3
145	29.2	23.4	35.2

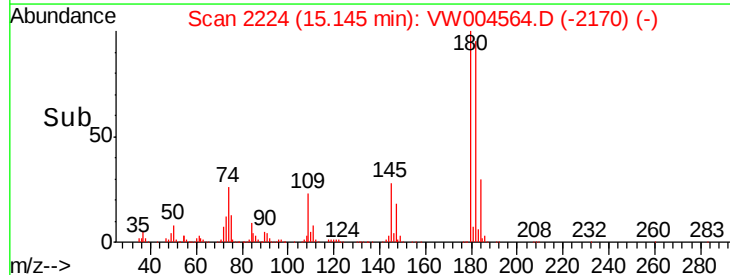
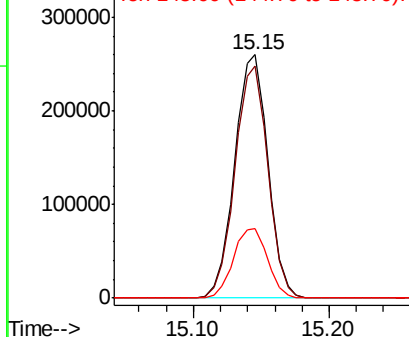


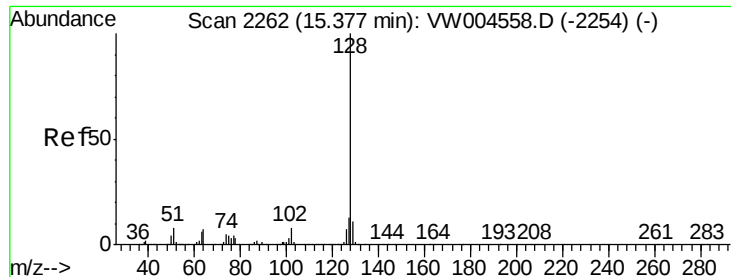
Abundance

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: 27.129 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004564.D

Acq: 09 Aug 2018 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD02586

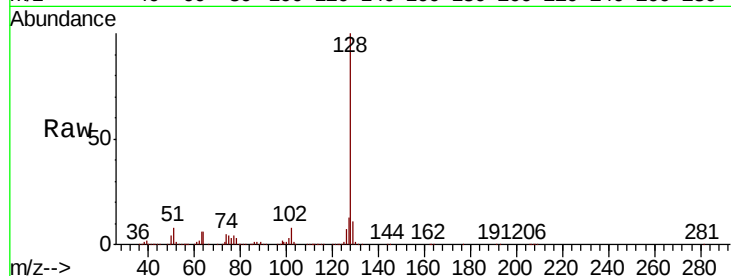
Tgt Ion:128 Resp: 1014705

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 13.3 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

800000

600000

400000

200000

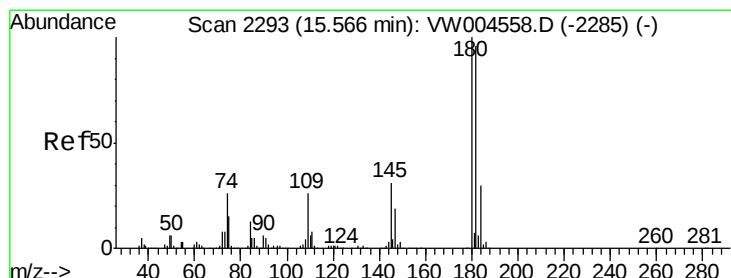
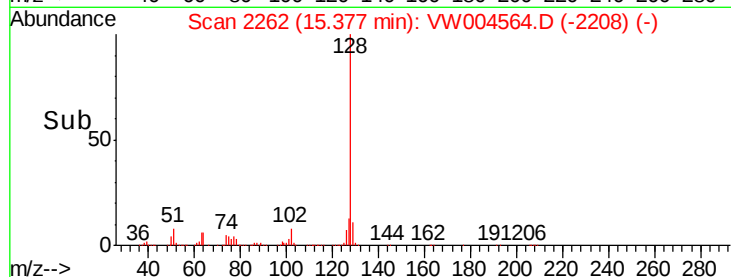
0

15.38

15.30

15.40

Time-->



#70

1,2,3-Trichlorobenzene

Concen: 27.749 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004564.D

Acq: 09 Aug 2018 19:34

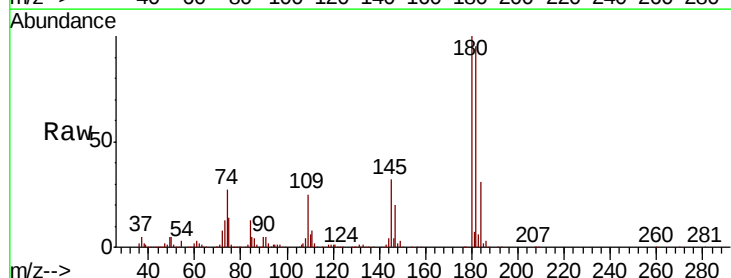
Tgt Ion:180 Resp: 443203

Ion Ratio Lower Upper

180 100

182 95.8 76.0 114.0

145 31.7 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

300000

200000

100000

0

15.57

15.50

15.60

Time-->

