

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV090518\
 Data File : VV007417.D
 Acq On : 06 Sep 2018 05:33
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Quant Time: Sep 06 07:38:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 06 02:12:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	497911	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	492384	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	248899	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	174233	48.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.98%
7) Chloroethane-d5	1.49	69	146	0.06	ug/L	-0.07
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.12%#
11) 1,1-Dichloroethene-d2	2.13	63	309395	49.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.76%
21) 2-Butanone-d5	3.96	46	264258	91.35	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.35%
24) Chloroform-d	4.40	84	379523	51.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.18%
26) 1,2-Dichloroethane-d4	5.09	65	228659	51.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.04%
32) Benzene-d6	5.10	84	748284	50.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.84%
36) 1,2-Dichloropropane-d6	6.12	67	249658	50.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.40%
41) Toluene-d8	7.36	98	682607	53.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.86%
43) trans-1,3-Dichloropropene-	7.67	79	99150	46.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.62%
47) 2-Hexanone-d5	8.14	63	200034	102.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.61%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	367672	54.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.26%
64) 1,2-Dichlorobenzene-d4	11.68	152	276105	51.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.22%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	207629	52.540 ug/L #	86
3) Chloromethane	1.26	50	244199	58.255 ug/L	99
5) Vinyl chloride	1.32	62	222349	52.317 ug/L	99
6) Bromomethane	1.51	94	87123	42.543 ug/L	98
8) Chloroethane	1.58	64	121921	55.904 ug/L	99
9) Trichlorofluoromethane	1.76	101	273376	50.814 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	169649	50.789 ug/L	100
12) 1,1-Dichloroethene	2.14	96	156353	49.652 ug/L	95
13) Acetone	2.20	43	161504	93.752 ug/L	100
14) Carbon disulfide	2.31	76	439717	49.281 ug/L	99
15) Methyl Acetate	2.46	43	186854	49.794 ug/L	99
16) Methylene chloride	2.54	84	188842	50.430 ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	173601	50.536 ug/L	96
18) Methyl tert-butyl Ether	2.81	73	553859	51.482 ug/L	99
19) 1,1-Dichloroethane	3.23	63	330412	46.442 ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	198392	50.187 ug/L	97
22) 2-Butanone	4.04	43	293009	101.558 ug/L	99

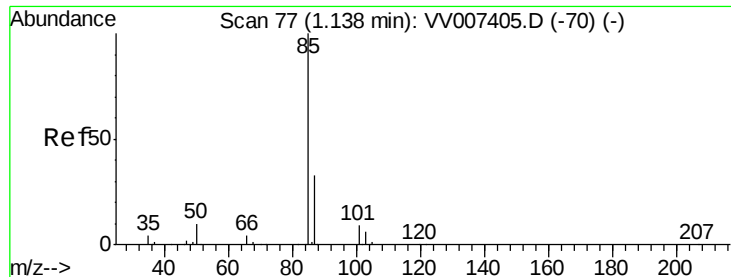
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV090518\
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 Acq On : 06 Sep 2018 05:33
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 Quant Title : VOC Analysis
 QLast Update : Thu Sep 06 02:12:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	106751	51.613	ug/L	97
25) Chloroform	4.43	83	362435	51.755	ug/L	100
27) 1,2-Dichloroethane	5.19	62	268249	51.159	ug/L	100
29) Cyclohexane	4.72	56	263786	48.323	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	294077	48.905	ug/L	99
31) Carbon tetrachloride	4.88	117	252773	48.564	ug/L	99
33) Benzene	5.15	78	810929	51.489	ug/L	100
34) Trichloroethene	5.96	95	185554	48.261	ug/L	97
35) Methylcyclohexane	6.18	83	284173	49.566	ug/L	100
37) 1,2-Dichloropropane	6.23	63	217729	50.304	ug/L	99
38) Bromodichloromethane	6.56	83	262570	49.682	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	267603	46.043	ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	523948	104.787	ug/L	99
42) Toluene	7.44	91	819742	54.104	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	256267	47.155	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	205375	50.274	ug/L	98
46) Tetrachloroethene	8.02	164	160463	51.903	ug/L	98
48) 2-Hexanone	8.19	43	438808	112.530	ug/L	99
49) Dibromochloromethane	8.30	129	209653	50.035	ug/L	99
50) 1,2-Dibromoethane	8.40	107	204670	51.299	ug/L	100
51) Chlorobenzene	8.93	112	524398	51.255	ug/L	99
52) Ethylbenzene	9.06	91	814566	53.015	ug/L	99
53) m,p-Xylene	9.19	106	316286	53.768	ug/L	99
54) o-xylene	9.59	106	307385	53.738	ug/L	99
55) Styrene	9.61	104	578167	58.350	ug/L	100
56) Isopropylbenzene	9.98	105	780506	53.950	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	352562	54.564	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	277234	53.856	ug/L	99
61) Bromoform	9.78	173	157943	46.598	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	372403	49.251	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	415039	51.179	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	439444	51.987	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	68385	47.718	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	283377	48.839	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	215786	48.007	ug/L	100
69) Naphthalene	13.56	128	623122	48.032	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	258979	52.140	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 52.540 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV007417.D

Acq: 06 Sep 2018 05:33

Instrument :

MSVOA_V

ClientSampleId :

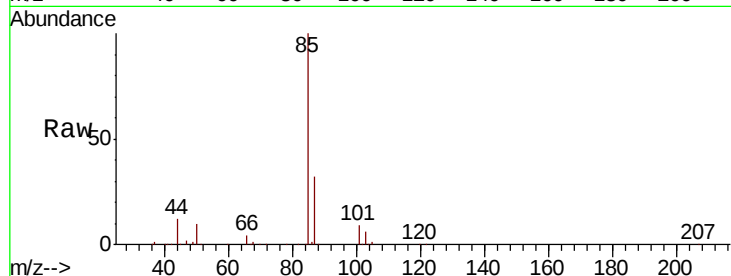
VSTD05070

Tgt Ion: 85 Resp: 207629

Ion Ratio Lower Upper

85 100

87 24.6 26.0 39.0#



Abundance Ion 85.00 (84.70 to 85.70): VV007405.D (-70) (-)

Ion 87.00 (86.70 to 87.70): VV007405.D (-70) (-)

1.14

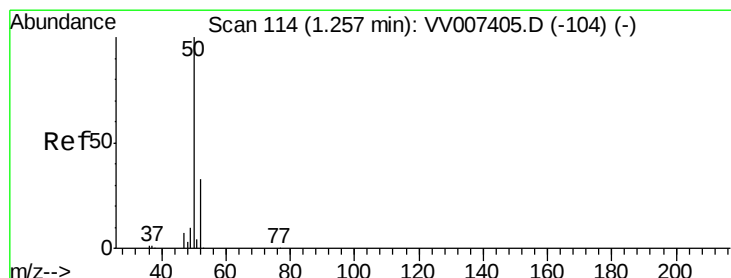
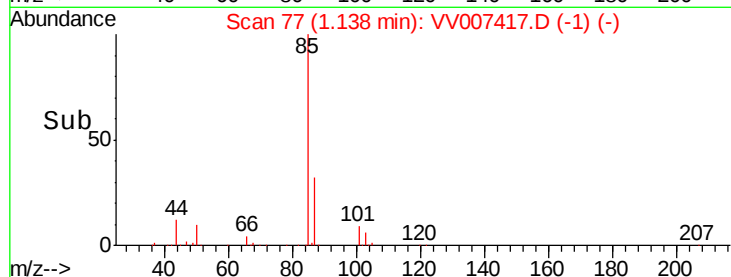
150000

100000

50000

0

Time--> 1.05 1.10 1.15 1.20 1.25



#3

Chloromethane

Concen: 58.255 ug/L

RT: 1.26 min Scan# 114

Delta R.T. -0.00 min

Lab File: VV007417.D

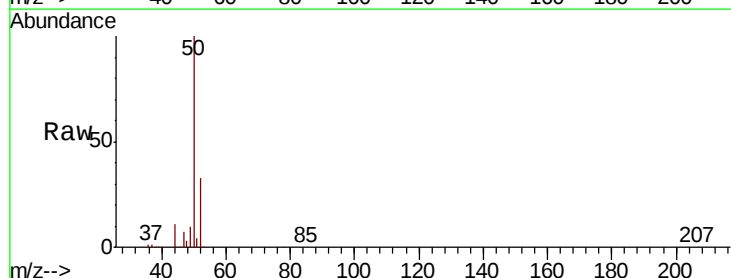
Acq: 06 Sep 2018 05:33

Tgt Ion: 50 Resp: 244199

Ion Ratio Lower Upper

50 100

52 32.6 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV007405.D (-104) (-)

Ion 52.00 (51.70 to 52.70): VV007405.D (-104) (-)

1.26

200000

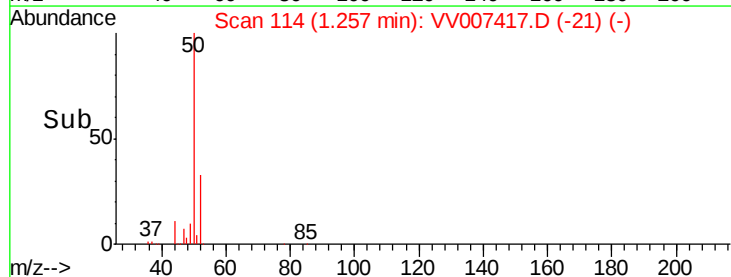
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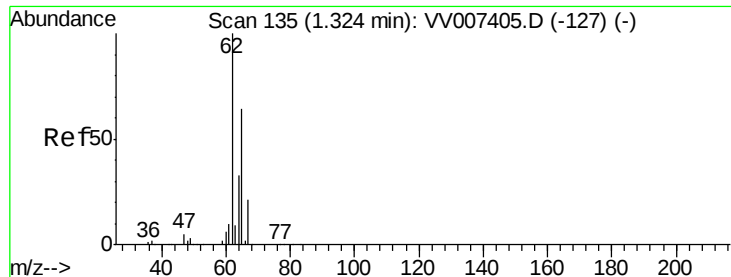
100000

50000

0

Time--> 1.20 1.25 1.30





#5

Vinyl chloride

Concen: 52.317 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV007417.D

Acq: 06 Sep 2018 05:33

Instrument :

MSVOA_V

ClientSampleId :

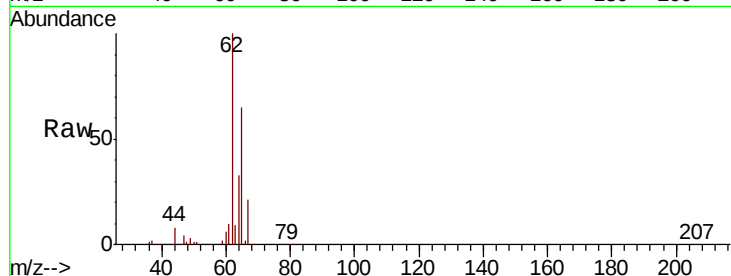
VSTD05070

Tgt Ion: 62 Resp: 222349

Ion Ratio Lower Upper

62 100

64 32.7 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV007417.D (-127) (-)

Ion 64.00 (63.70 to 64.70): VV007417.D (-127) (-)

1.32

200000

150000

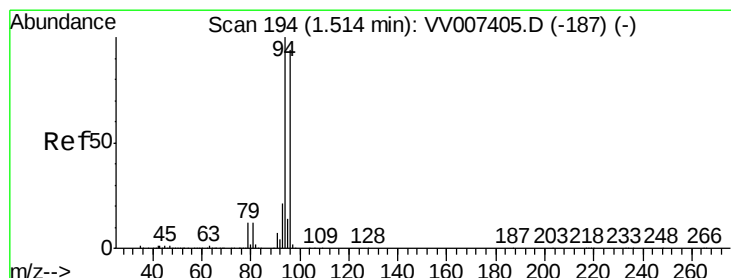
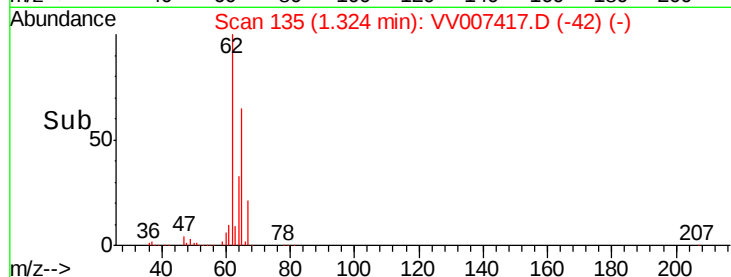
100000

50000

0

1.25 1.30 1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 42.543 ug/L

RT: 1.51 min Scan# 194

Delta R.T. -0.00 min

Lab File: VV007417.D

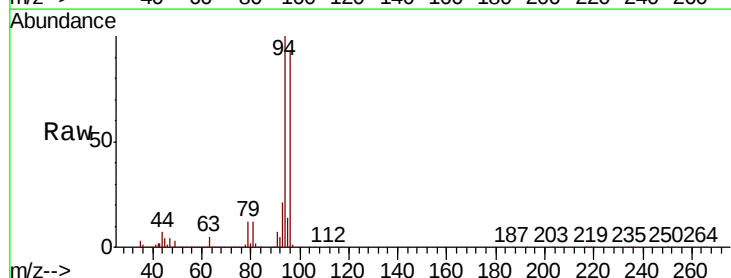
Acq: 06 Sep 2018 05:33

Tgt Ion: 94 Resp: 87123

Ion Ratio Lower Upper

94 100

96 92.7 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV007417.D (-187) (-)

Ion 96.00 (95.70 to 96.70): VV007417.D (-187) (-)

1.51

100000

80000

60000

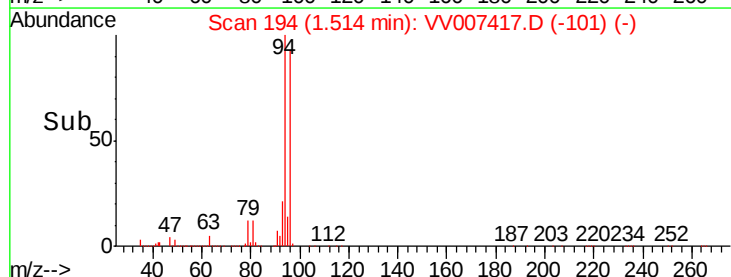
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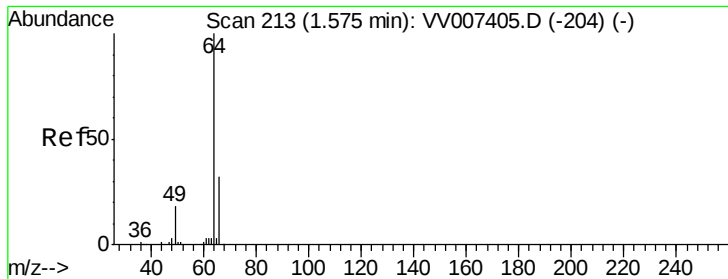
20000

0

1.50 1.55

Time-->





#8

Chloroethane

Concen: 55.904 ug/L

RT: 1.58 min Scan# 213

Delta R.T. -0.00 min

Lab File: VV007417.D

Acq: 06 Sep 2018 05:33

Instrument :

MSVOA_V

ClientSampleId :

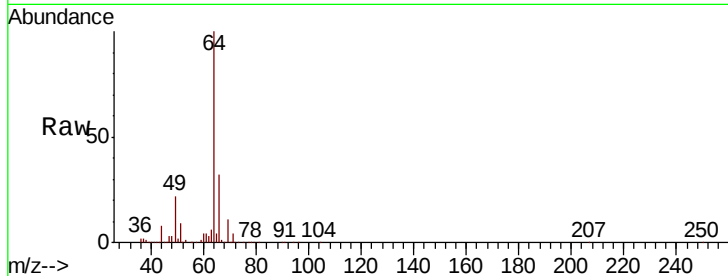
VSTD05070

Tgt Ion: 64 Resp: 121921

Ion Ratio Lower Upper

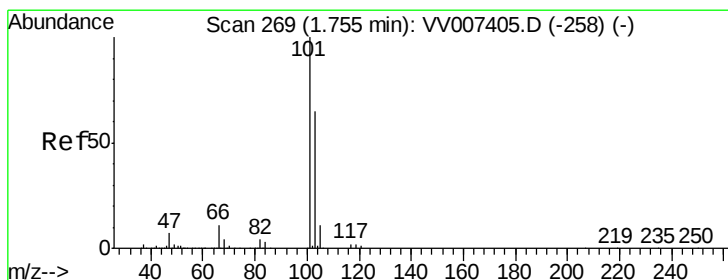
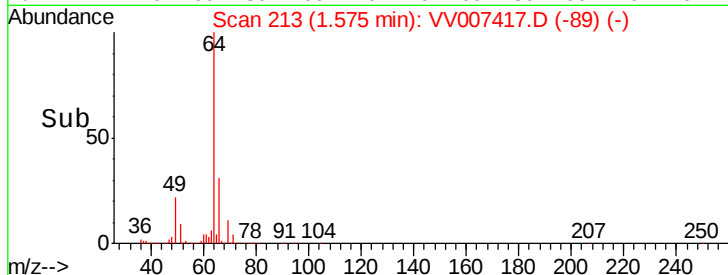
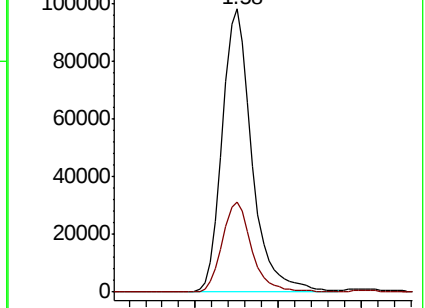
64 100

66 31.9 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV007417.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV007417.D (-145) (-)



#9

Trichlorofluoromethane

Concen: 50.814 ug/L

RT: 1.76 min Scan# 269

Delta R.T. -0.00 min

Lab File: VV007417.D

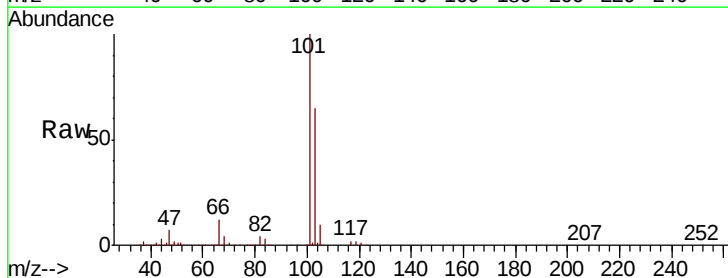
Acq: 06 Sep 2018 05:33

Tgt Ion: 101 Resp: 273376

Ion Ratio Lower Upper

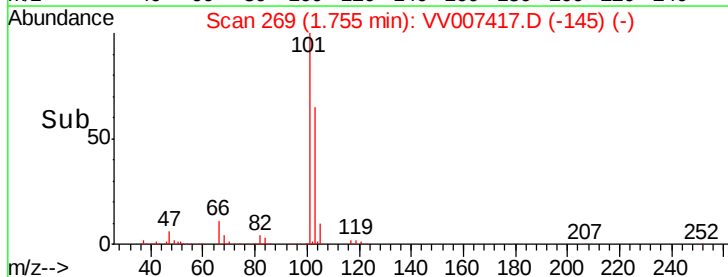
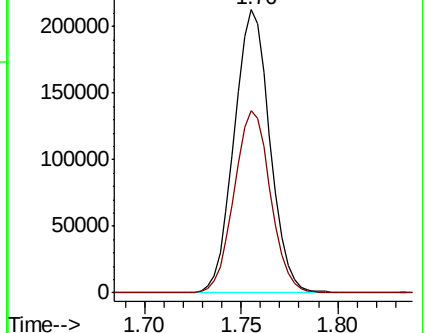
101 100

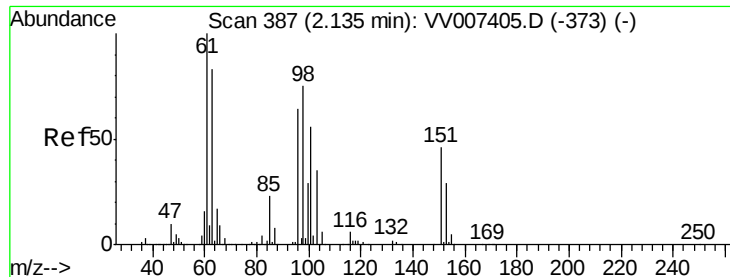
103 65.5 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV007417.D (-145) (-)

Ion 103.00 (102.70 to 103.70): VV007417.D (-145) (-)





#10

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

Concen: 50.789 ug/L

RT: 2.13 min Scan# 387

Delta R.T. -0.00 min

Lab File: VV007417.D

Acq: 06 Sep 2018 05:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

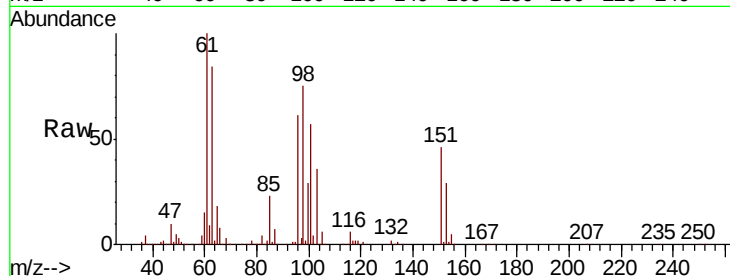
Tgt Ion:101 Resp: 169649

Ion Ratio Lower Upper

101 100

85 40.8 32.7 49.1

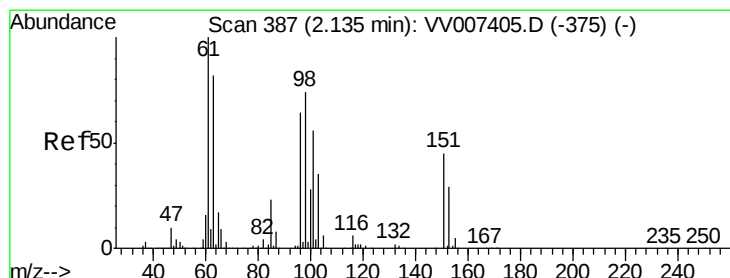
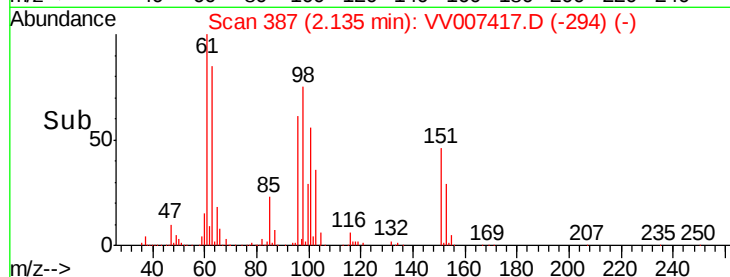
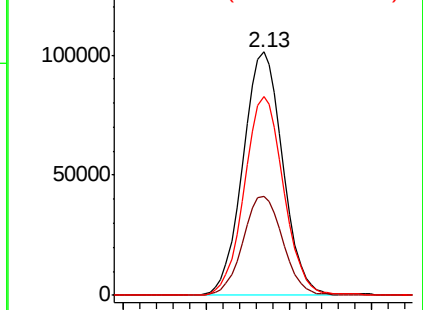
151 80.3 64.5 96.7



Abundance Ion 101.00 (100.70 to 101.70): VV007417.D (-294) (-)

Ion 85.00 (84.70 to 85.70): VV007417.D (-294) (-)

Ion 151.00 (150.70 to 151.70): VV007417.D (-294) (-)



#12

1,1-Dichloroethene

Concen: 49.652 ug/L

RT: 2.14 min Scan# 388

Delta R.T. 0.00 min

Lab File: VV007417.D

Acq: 06 Sep 2018 05:33

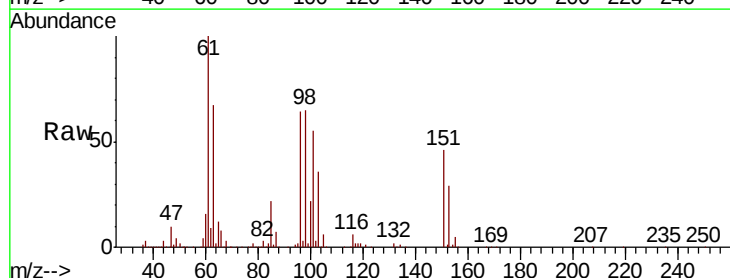
Tgt Ion: 96 Resp: 156353

Ion Ratio Lower Upper

96 100

61 156.6 108.6 201.8

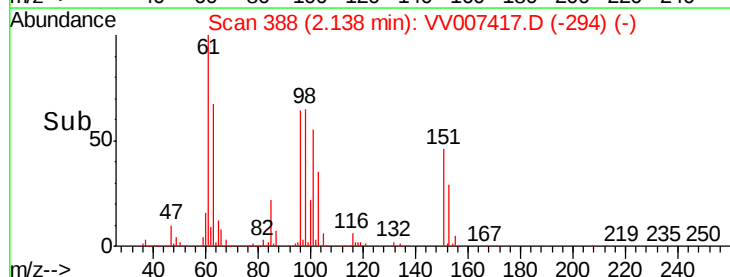
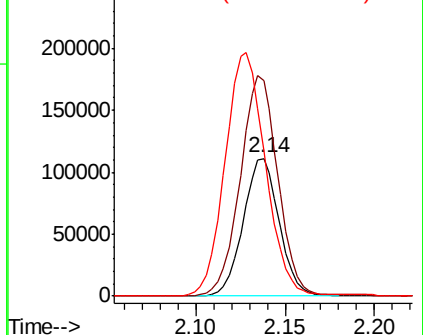
63 105.5 81.5 151.3

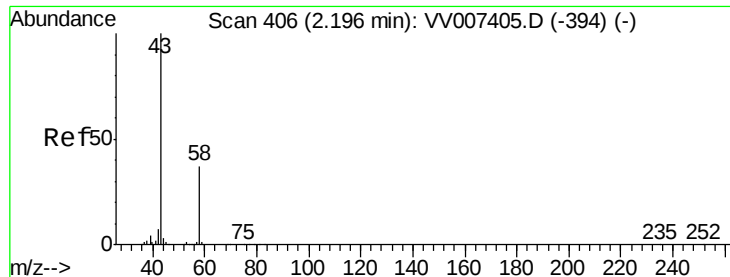


Abundance Ion 96.00 (95.70 to 96.70): VV007417.D (-294) (-)

Ion 61.00 (60.70 to 61.70): VV007417.D (-294) (-)

Ion 63.00 (62.70 to 63.70): VV007417.D (-294) (-)





#13

Acetone

Concen: 93.752 ug/L

RT: 2.20 min Scan# 406

Delta R.T. -0.00 min

Lab File: VV007417.D

Acq: 06 Sep 2018 05:33

Instrument :

MSVOA_V

ClientSampleId :

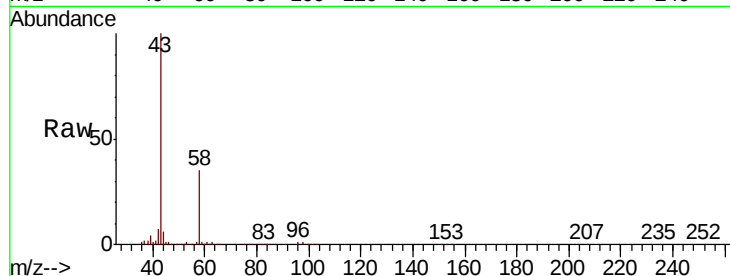
VSTD05070

Tgt Ion: 43 Resp: 161504

Ion Ratio Lower Upper

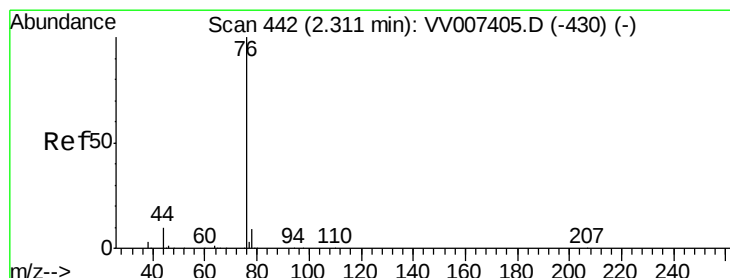
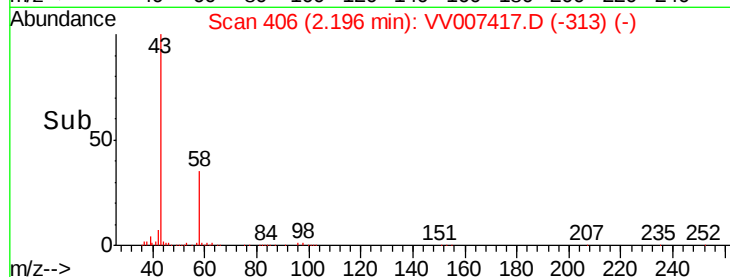
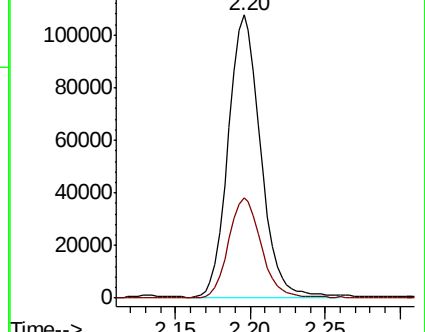
43 100

58 35.8 0.0 71.2



Abundance Ion 43.00 (42.70 to 43.70): VV007417.D (-394) (-)

Ion 58.00 (57.70 to 58.70): VV007417.D (-394) (-)



#14

Carbon disulfide

Concen: 49.281 ug/L

RT: 2.31 min Scan# 442

Delta R.T. -0.00 min

Lab File: VV007417.D

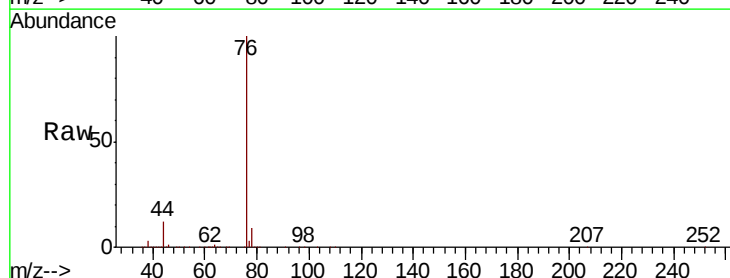
Acq: 06 Sep 2018 05:33

Tgt Ion: 76 Resp: 439717

Ion Ratio Lower Upper

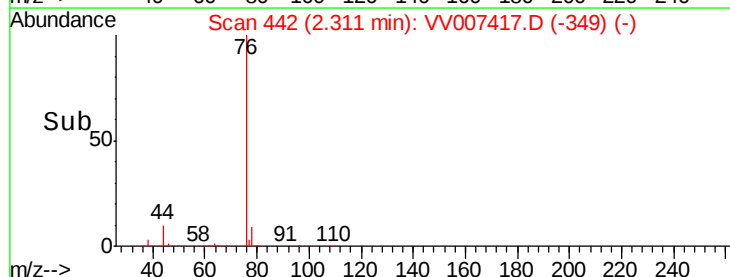
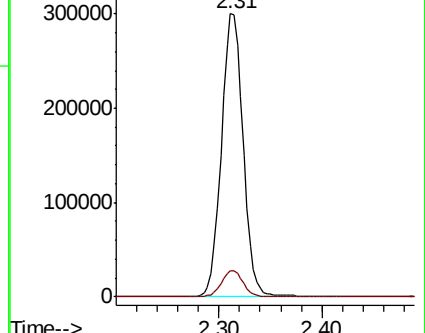
76 100

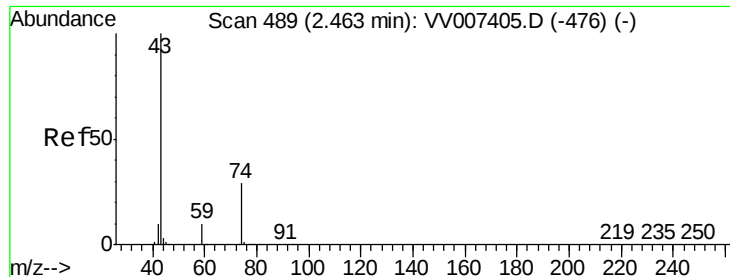
78 9.3 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV007417.D (-349) (-)

Ion 78.00 (77.70 to 78.70): VV007417.D (-349) (-)

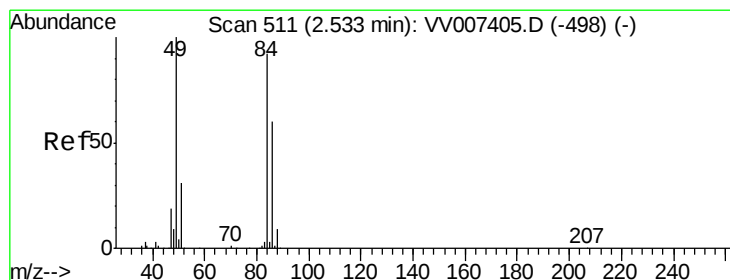
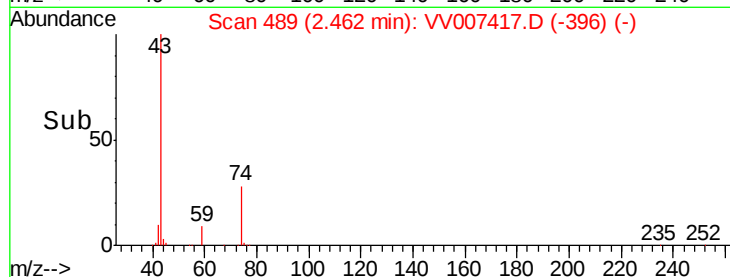
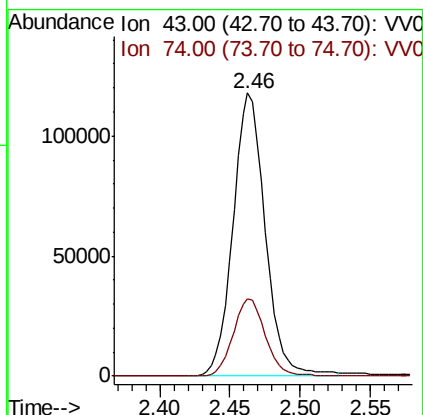
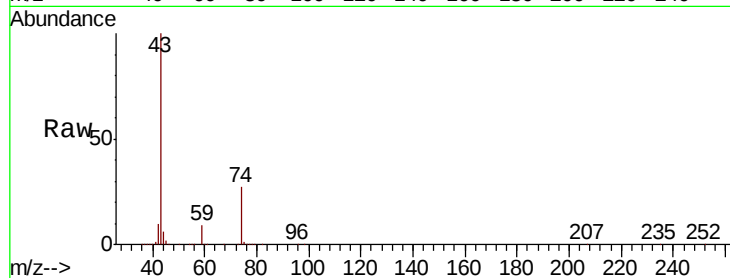




#15
Methyl Acetate
Concen: 49.794 ug/L
RT: 2.46 min Scan# 489
Delta R.T. -0.00 min
Lab File: VV007417.D
Acq: 06 Sep 2018 05:33

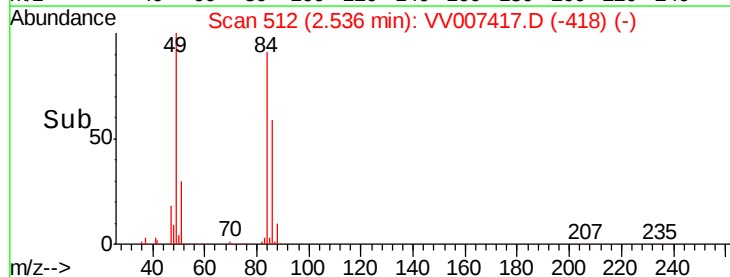
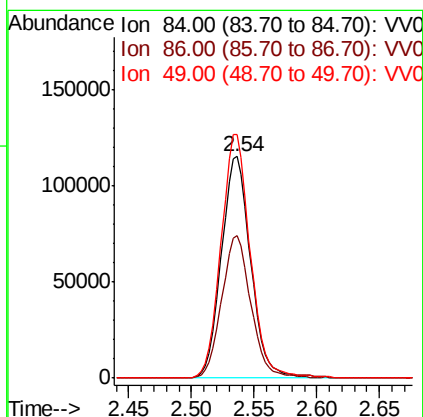
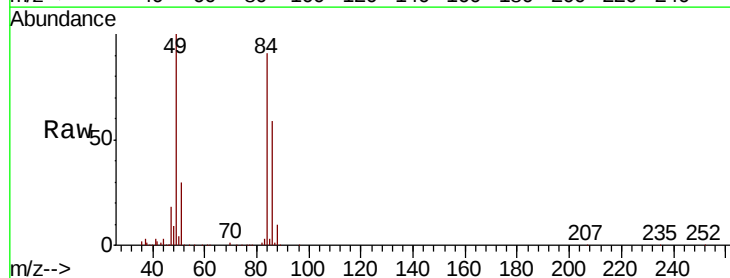
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

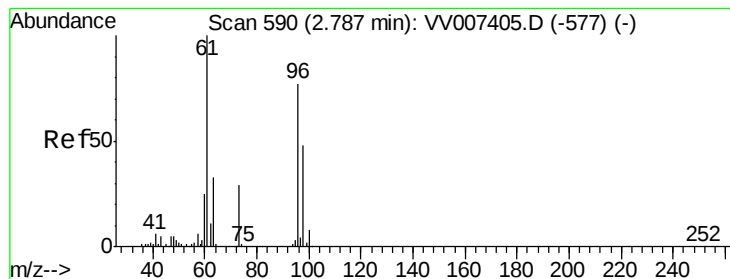
Tgt Ion: 43 Resp: 186854
Ion Ratio Lower Upper
43 100
74 27.5 21.5 32.3



#16
Methylene chloride
Concen: 50.430 ug/L
RT: 2.54 min Scan# 512
Delta R.T. 0.00 min
Lab File: VV007417.D
Acq: 06 Sep 2018 05:33

Tgt Ion: 84 Resp: 188842
Ion Ratio Lower Upper
84 100
86 64.5 45.3 84.1
49 110.0 75.6 140.4





#17

trans-1,2-Dichloroethene

Concen: 50.536 ug/L

RT: 2.79 min Scan# 590

Delta R.T. -0.00 min

Lab File: VV007417.D

Acq: 06 Sep 2018 05:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

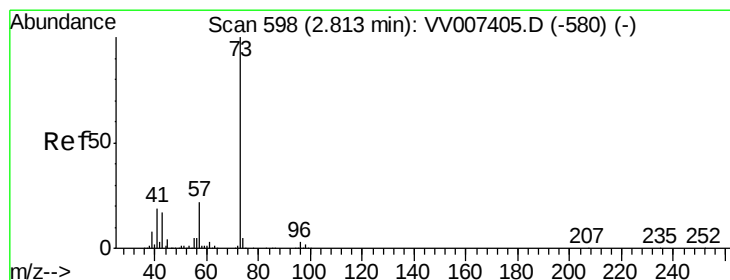
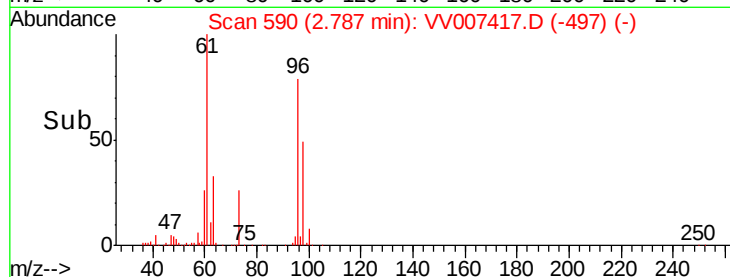
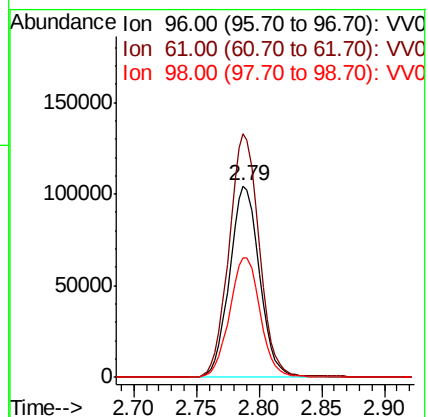
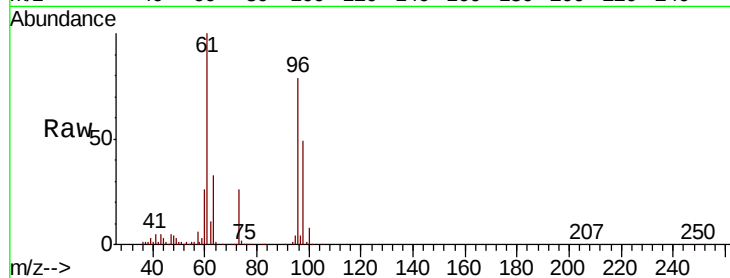
Tgt Ion: 96 Resp: 173601

Ion Ratio Lower Upper

96 100

61 127.1 93.1 172.9

98 62.5 44.9 83.5



#18

Methyl tert-butyl Ether

Concen: 51.482 ug/L

RT: 2.81 min Scan# 598

Delta R.T. -0.00 min

Lab File: VV007417.D

Acq: 06 Sep 2018 05:33

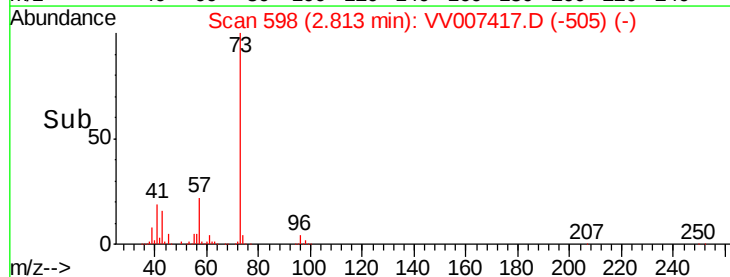
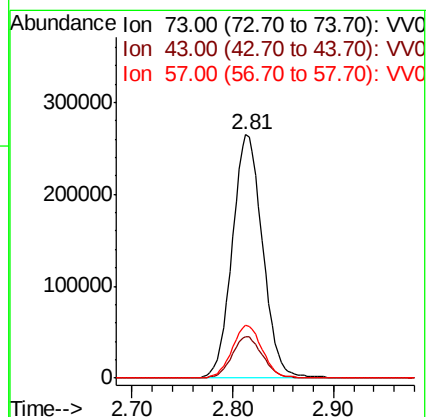
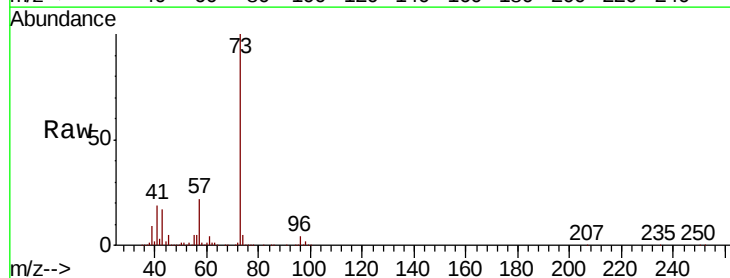
Tgt Ion: 73 Resp: 553859

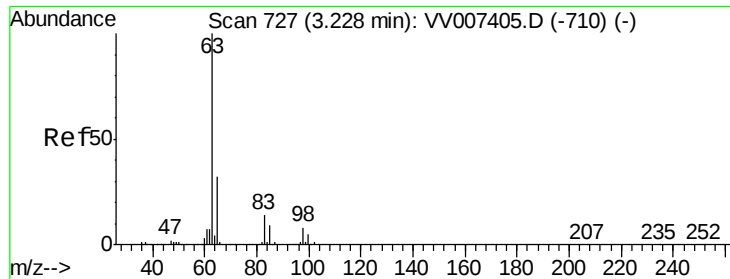
Ion Ratio Lower Upper

73 100

43 16.9 13.4 20.2

57 21.6 17.0 25.4

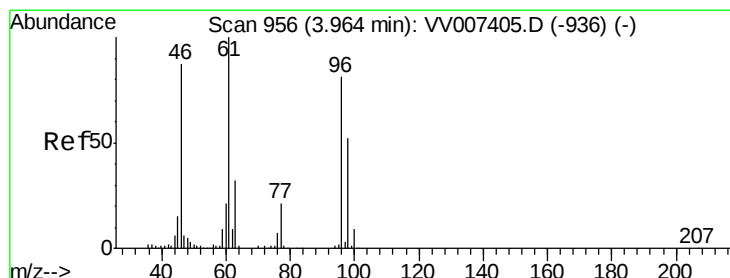
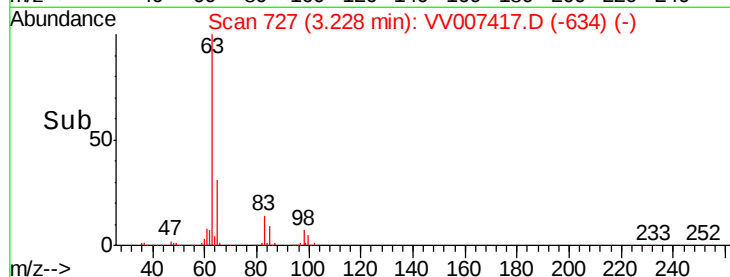
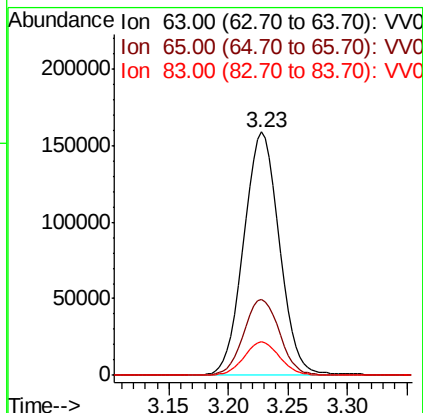
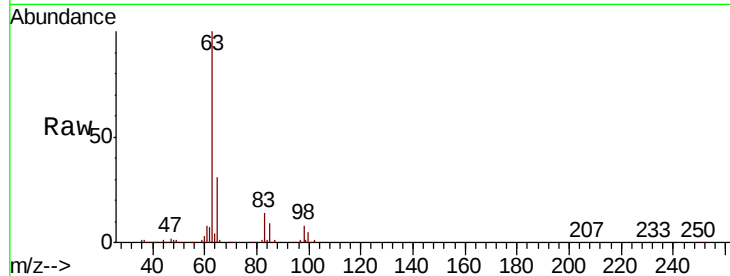




#19
 1,1-Dichloroethane
 Concen: 46.442 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VV007417.D
 Acq: 06 Sep 2018 05:33

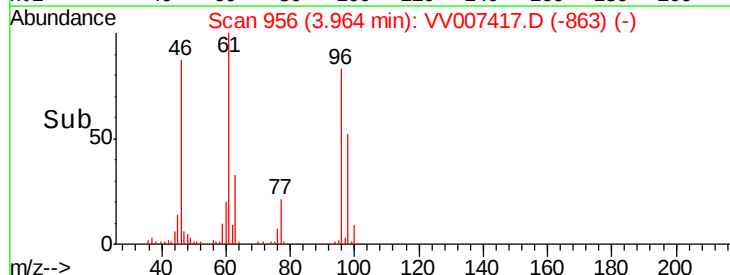
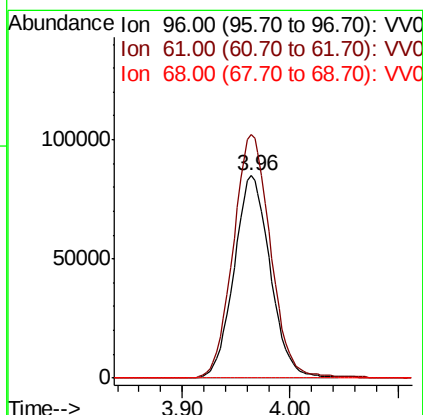
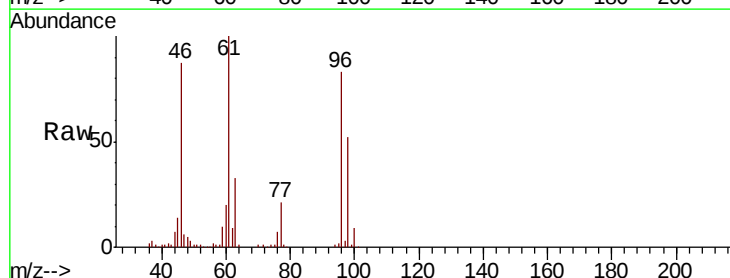
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

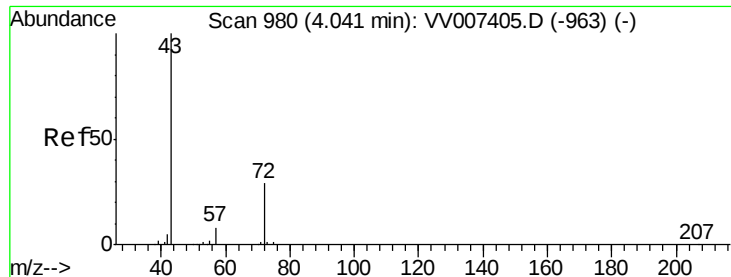
Tgt Ion: 63 Resp: 330412
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.5 41.9
 83 13.9 9.0 16.8



#20
 cis-1,2-Dichloroethene
 Concen: 50.187 ug/L
 RT: 3.96 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VV007417.D
 Acq: 06 Sep 2018 05:33

Tgt Ion: 96 Resp: 198392
 Ion Ratio Lower Upper
 96 100
 61 120.3 86.8 161.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 101.558 ug/L

RT: 4.04 min Scan# 980

Delta R.T. -0.00 min

Lab File: VV007417.D

Acq: 06 Sep 2018 05:33

Instrument :

MSVOA_V

ClientSampled :

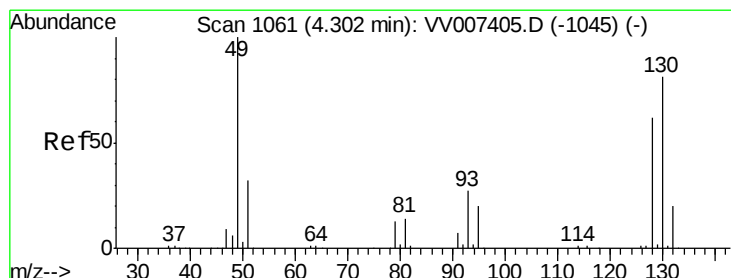
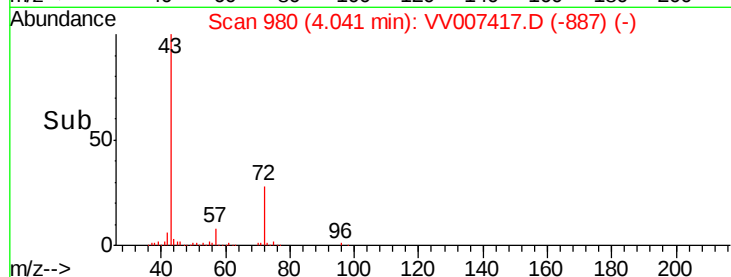
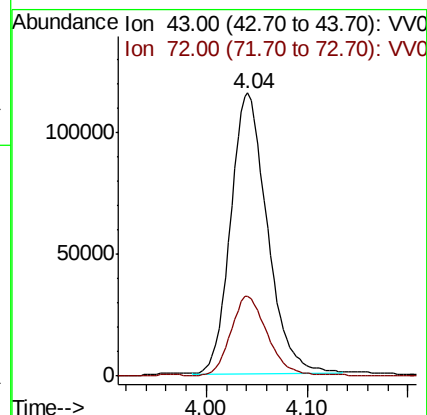
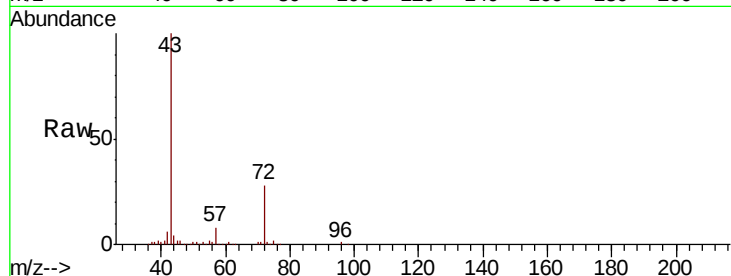
VSTD05070

Tgt Ion: 43 Resp: 293009

Ion Ratio Lower Upper

43 100

72 28.0 13.8 41.3



#23

Bromochloromethane

Concen: 51.613 ug/L

RT: 4.30 min Scan# 1061

Delta R.T. -0.00 min

Lab File: VV007417.D

Acq: 06 Sep 2018 05:33

Tgt Ion: 128 Resp: 106751

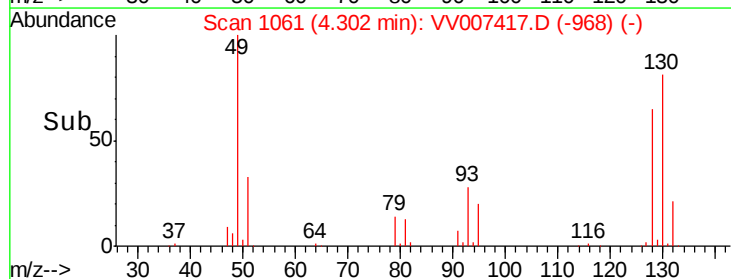
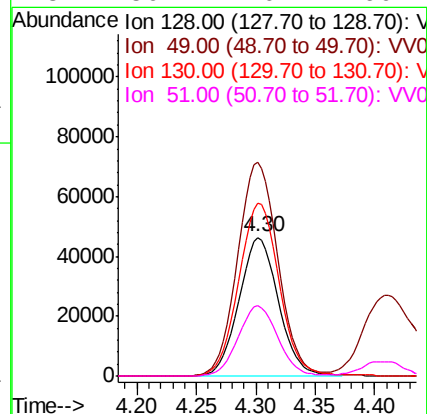
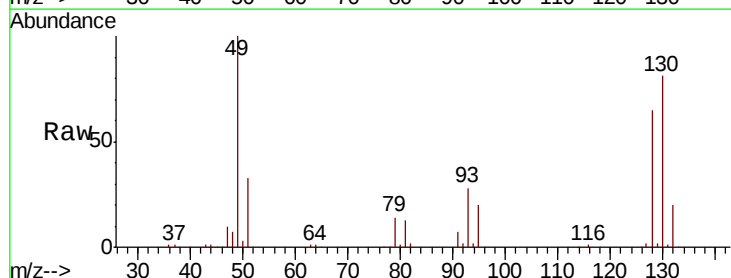
Ion Ratio Lower Upper

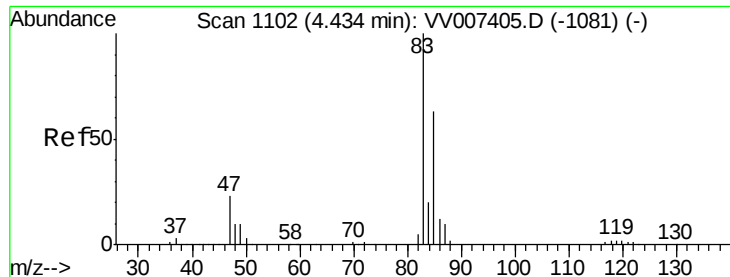
128 100

49 154.1 111.2 206.4

130 124.7 89.1 165.5

51 50.7 40.1 60.1

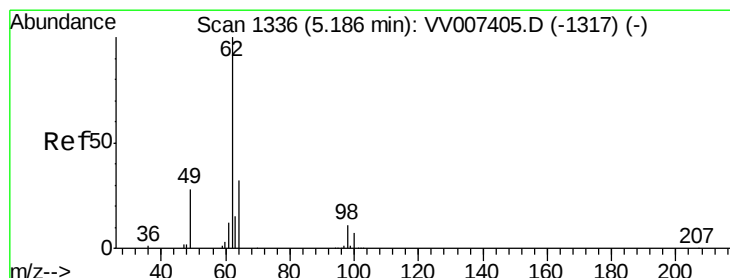
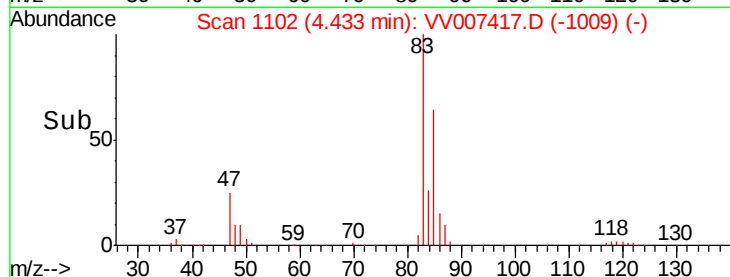
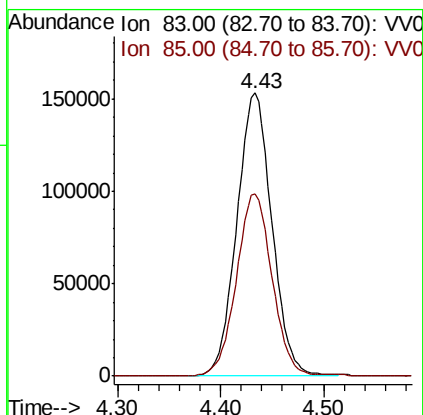
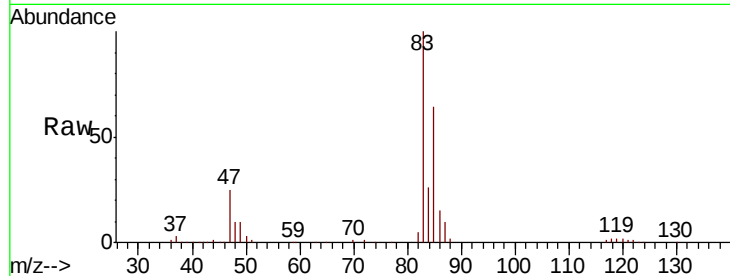




#25
 Chloroform
 Concen: 51.755 ug/L
 RT: 4.43 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VV007417.D
 Acq: 06 Sep 2018 05:33

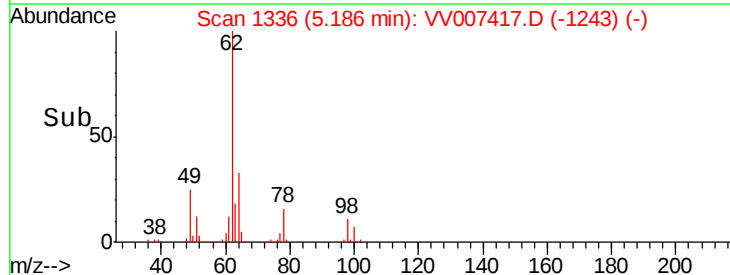
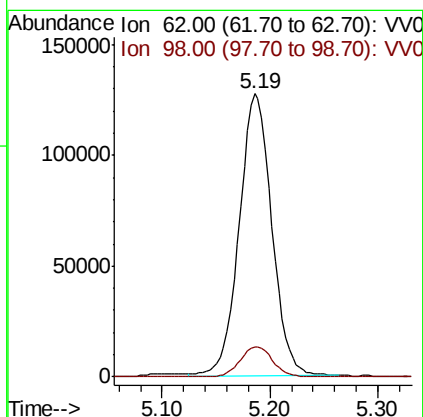
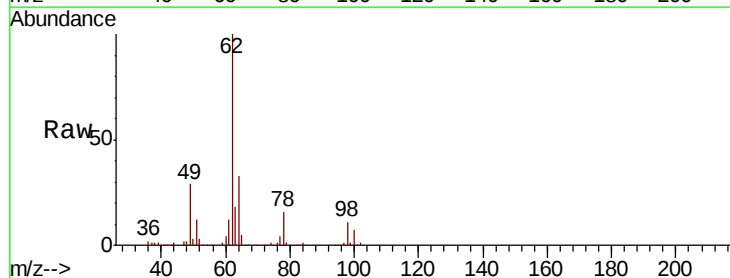
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

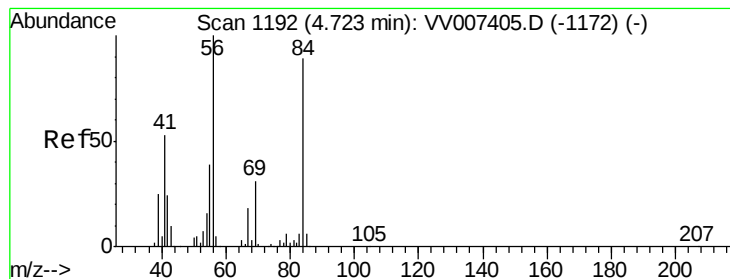
Tgt Ion: 83 Resp: 362435
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.1 83.9



#27
 1,2-Dichloroethane
 Concen: 51.159 ug/L
 RT: 5.19 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VV007417.D
 Acq: 06 Sep 2018 05:33

Tgt Ion: 62 Resp: 268249
 Ion Ratio Lower Upper
 62 100
 98 10.7 8.6 13.0





#29

Cyclohexane

Concen: 48.323 ug/L

RT: 4.72 min Scan# 1192

Delta R.T. -0.00 min

Lab File: VV007417.D

Acq: 06 Sep 2018 05:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

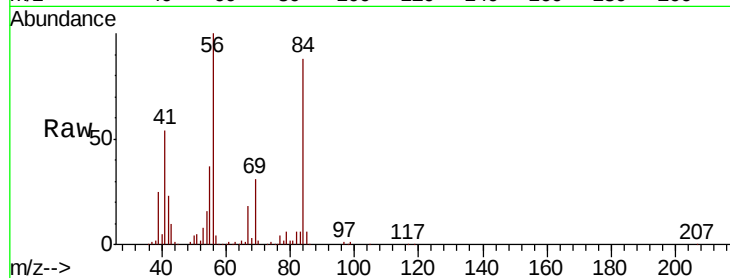
Tgt Ion: 56 Resp: 263786

Ion Ratio Lower Upper

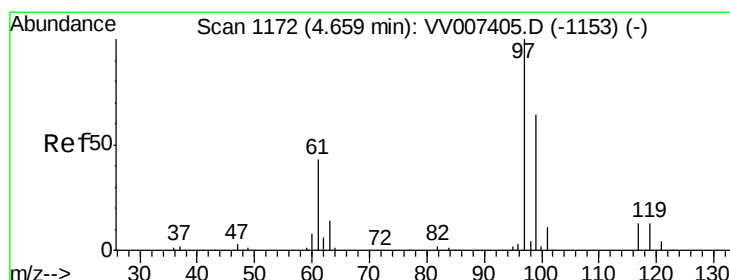
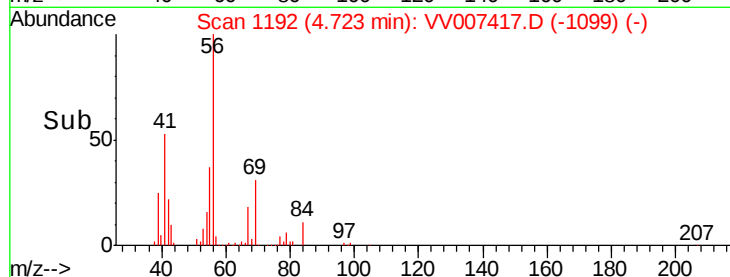
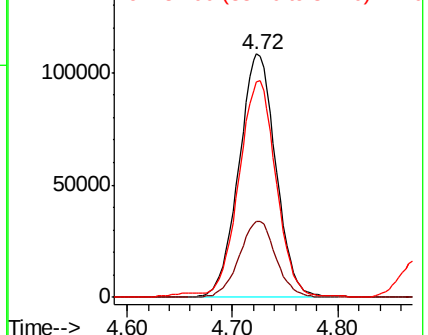
56 100

69 30.9 24.5 36.7

84 88.2 70.6 105.8



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 48.905 ug/L

RT: 4.66 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VV007417.D

Acq: 06 Sep 2018 05:33

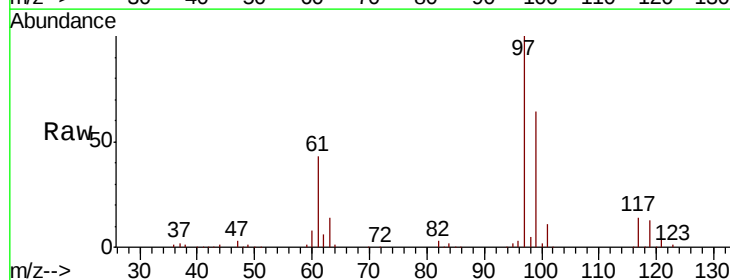
Tgt Ion: 97 Resp: 294077

Ion Ratio Lower Upper

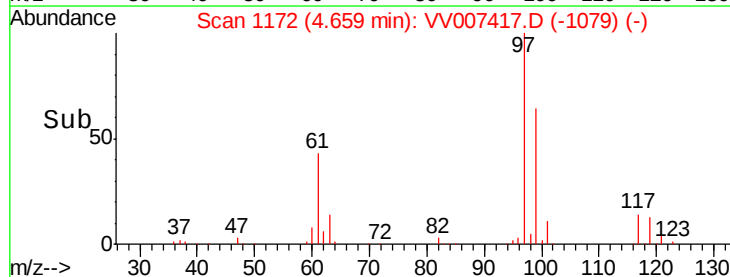
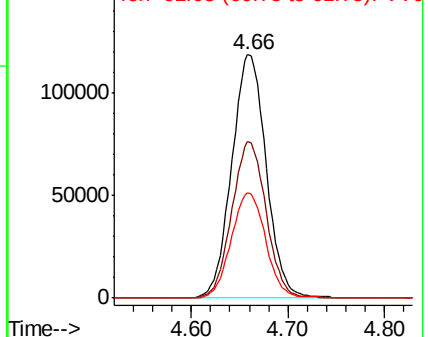
97 100

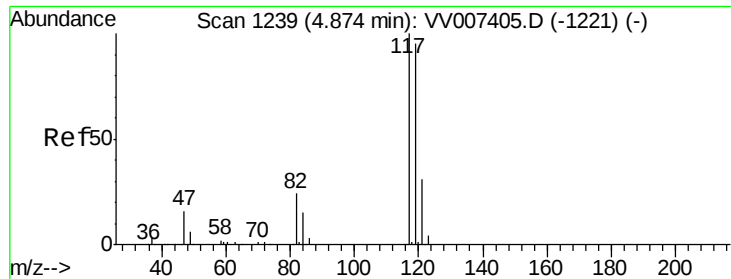
99 64.1 52.1 78.1

61 43.5 34.6 51.8



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0



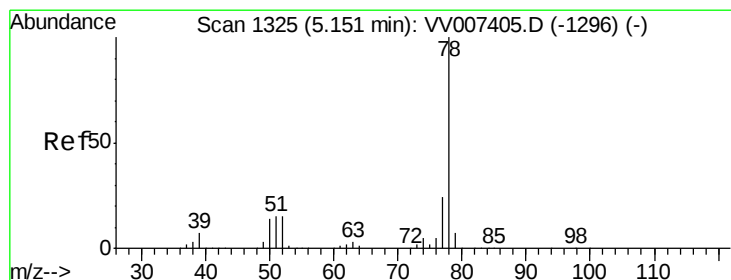
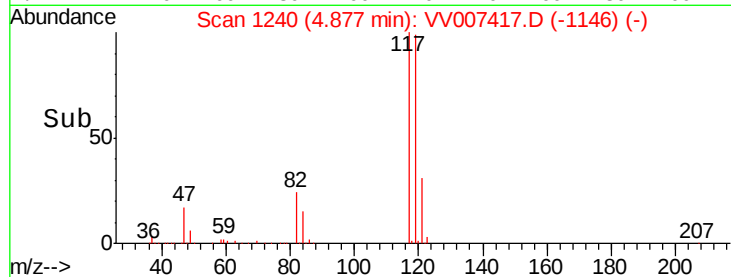
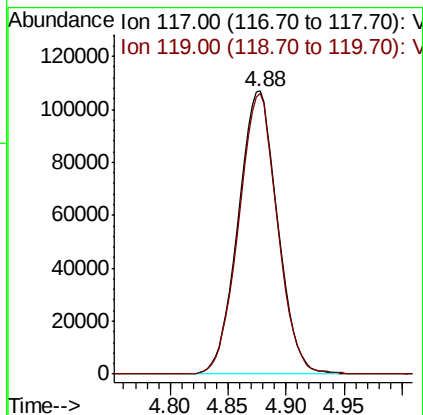
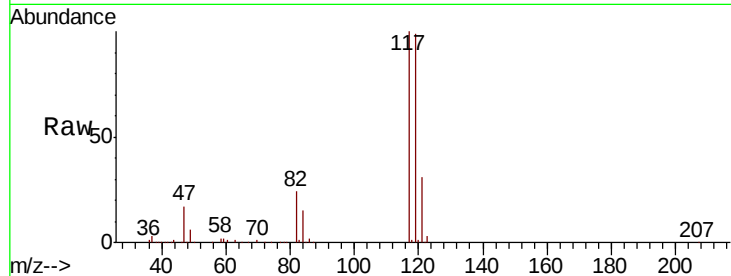


#31

Carbon tetrachloride
 Concen: 48.564 ug/L
 RT: 4.88 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VV007417.D
 Acq: 06 Sep 2018 05:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

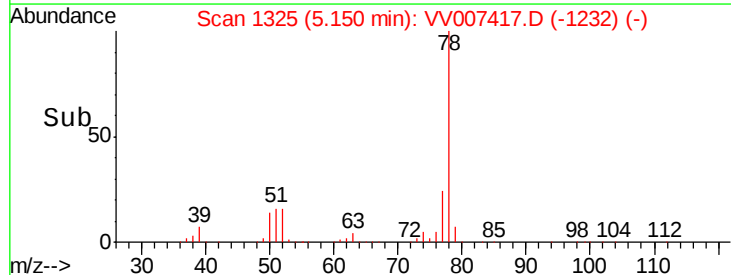
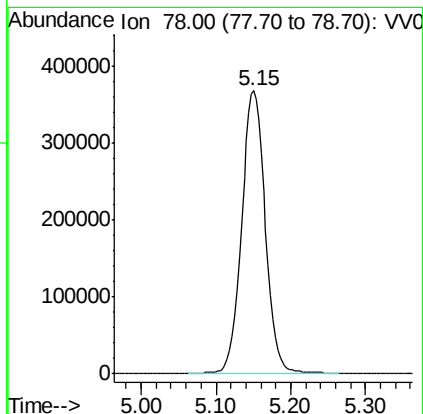
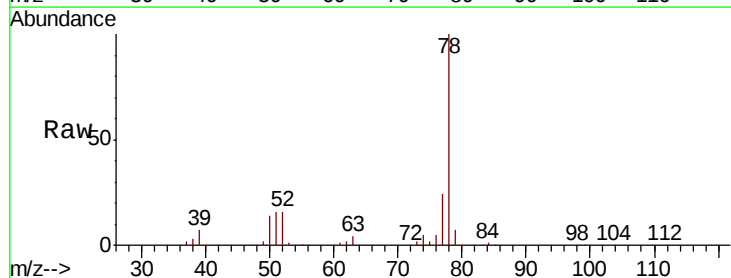
Tgt Ion:117 Resp: 252773
 Ion Ratio Lower Upper
 117 100
 119 97.3 76.7 115.1

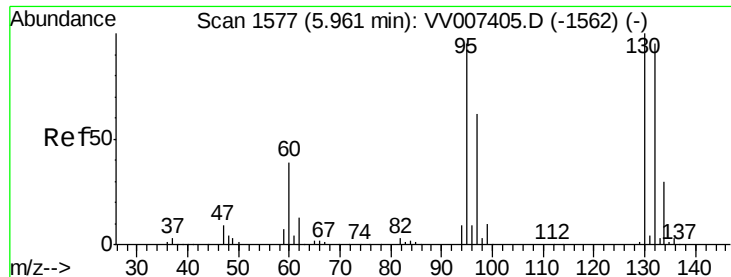


#33

Benzene
 Concen: 51.489 ug/L
 RT: 5.15 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VV007417.D
 Acq: 06 Sep 2018 05:33

Tgt Ion: 78 Resp: 810929





#34

Trichloroethene

Concen: 48.261 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007417.D

Acq: 06 Sep 2018 05:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

Tgt Ion: 95 Resp: 185554

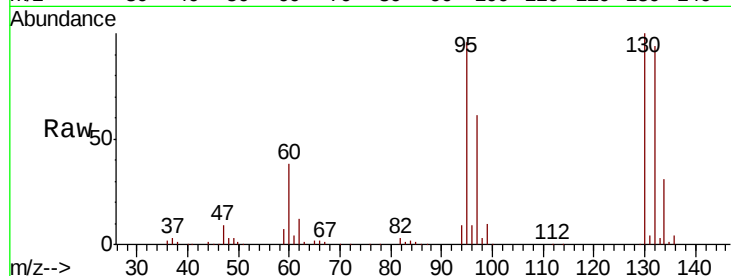
Ion Ratio Lower Upper

95 100

97 63.2 46.1 85.7

132 98.2 70.8 131.6

130 103.9 73.9 137.3

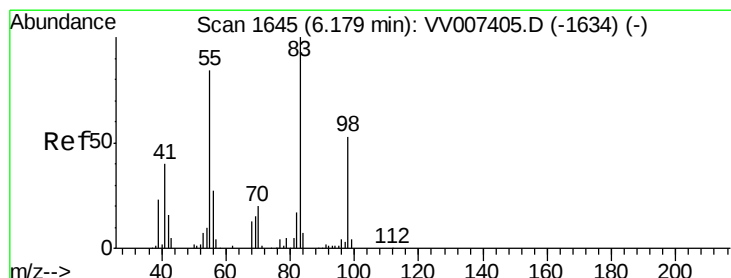
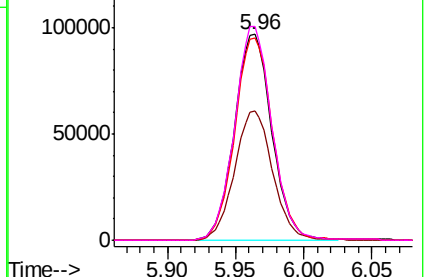
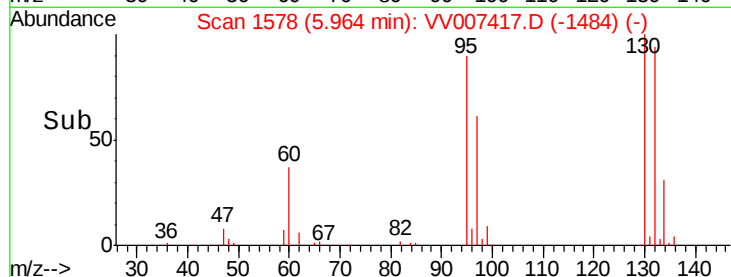


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 49.566 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VV007417.D

Acq: 06 Sep 2018 05:33

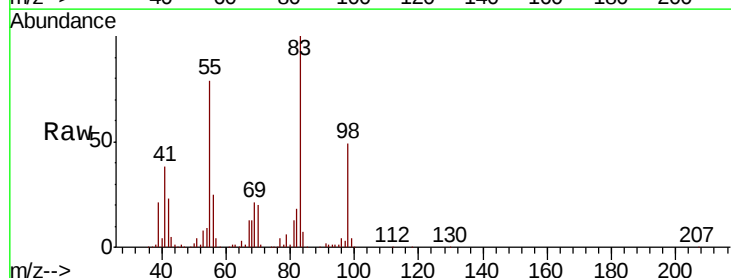
Tgt Ion: 83 Resp: 284173

Ion Ratio Lower Upper

83 100

55 78.5 63.0 94.4

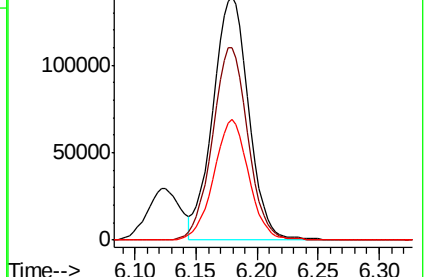
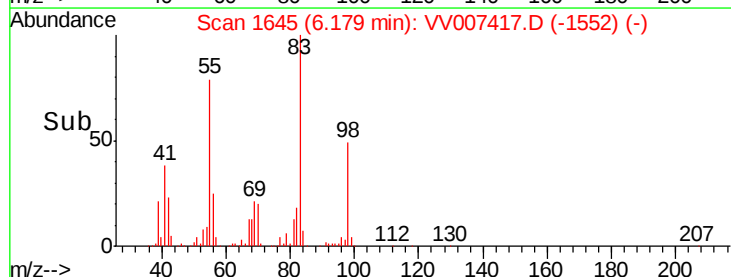
98 48.6 39.0 58.6

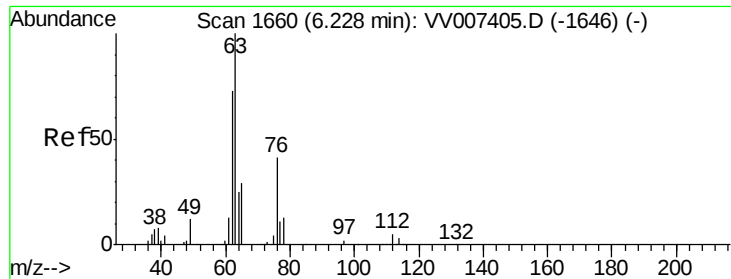


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

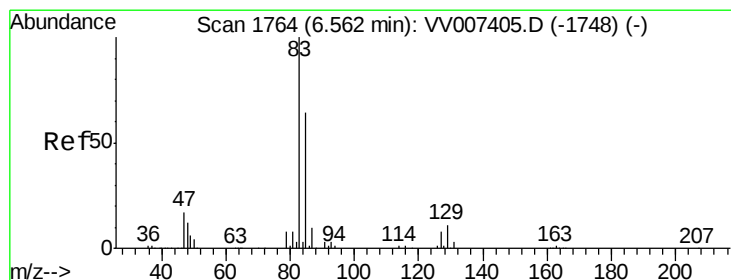
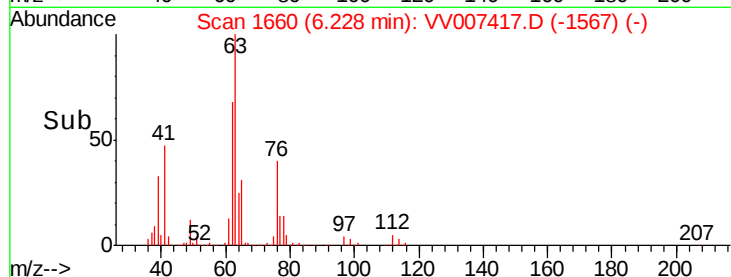
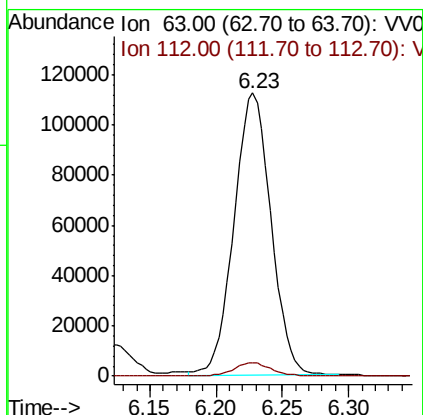
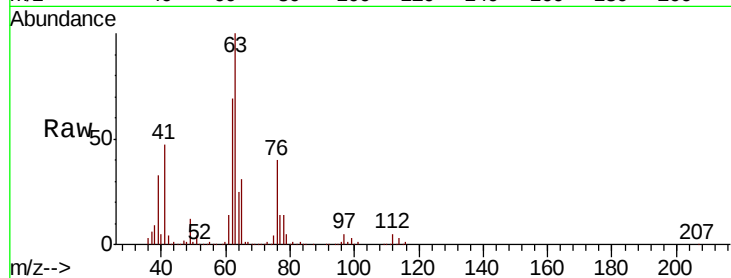




#37
 1,2-Dichloropropane
 Concen: 50.304 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VV007417.D
 Acq: 06 Sep 2018 05:33

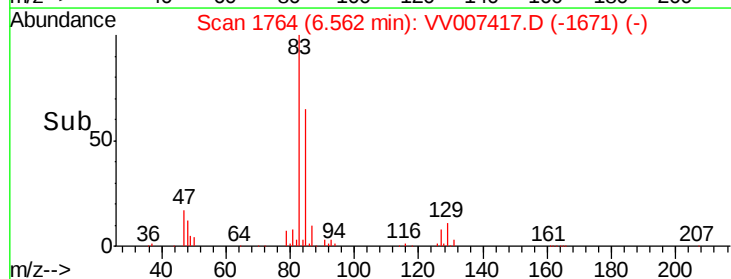
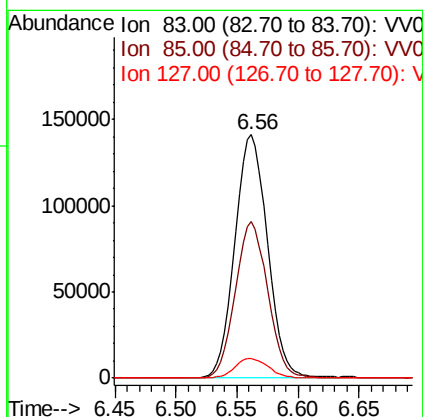
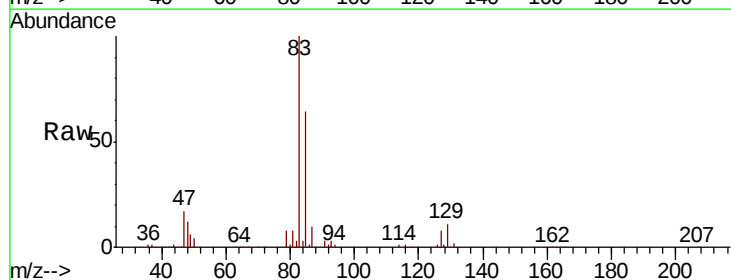
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

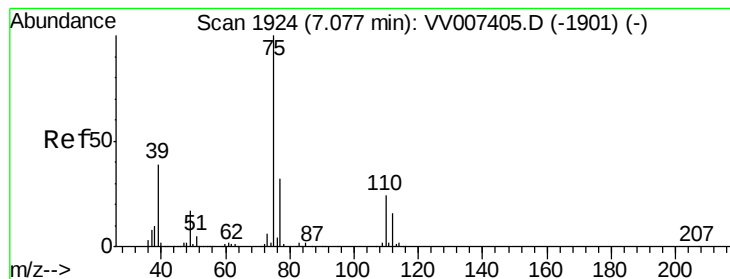
Tgt Ion: 63 Resp: 217729
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.8



#38
 Bromodichloromethane
 Concen: 49.682 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VV007417.D
 Acq: 06 Sep 2018 05:33

Tgt Ion: 83 Resp: 262570
 Ion Ratio Lower Upper
 83 100
 85 64.3 45.1 83.9
 127 8.0 6.9 10.3



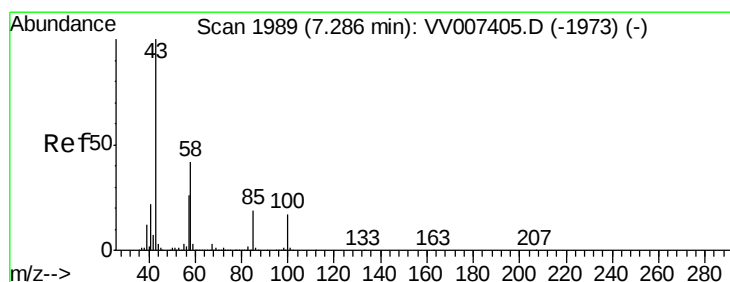
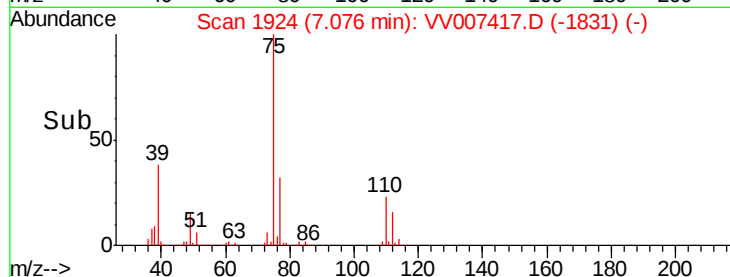
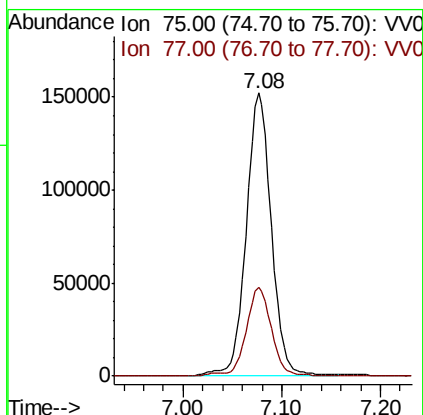
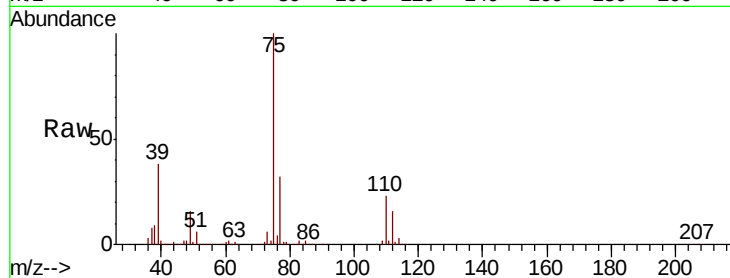


#39

cis-1,3-Dichloropropene
 Concen: 46.043 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV007417.D
 Acq: 06 Sep 2018 05:33

Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD05070

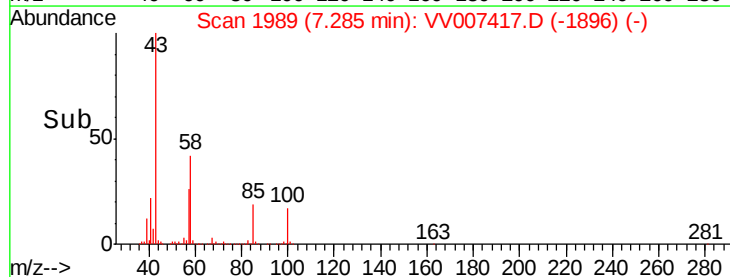
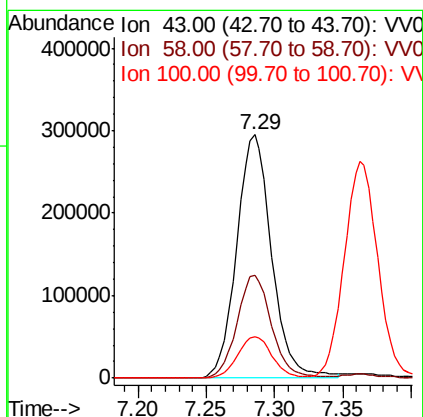
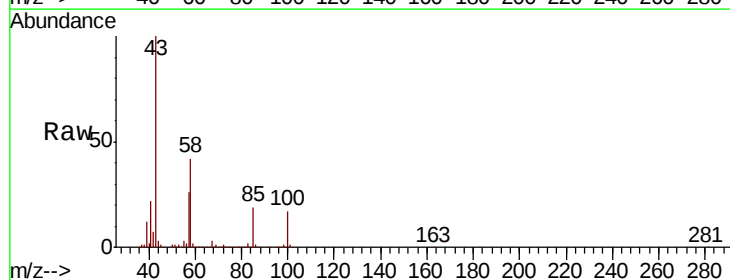
Tgt Ion: 75 Resp: 267603
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.1 41.1

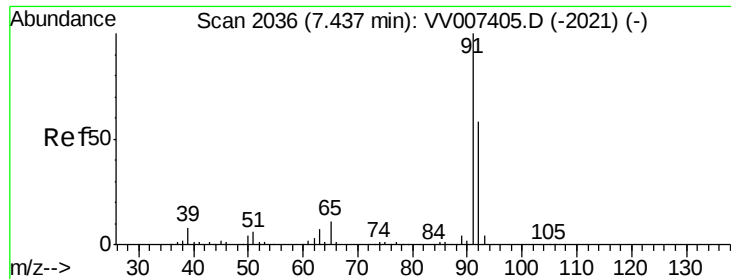


#40

4-Methyl-2-pentanone
 Concen: 104.787 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. -0.00 min
 Lab File: VV007417.D
 Acq: 06 Sep 2018 05:33

Tgt Ion: 43 Resp: 523948
 Ion Ratio Lower Upper
 43 100
 58 42.0 32.9 49.3
 100 17.0 13.3 19.9





#42

Toluene

Concen: 54.104 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV007417.D

Acq: 06 Sep 2018 05:33

Instrument :

MSVOA_V

ClientSampled :

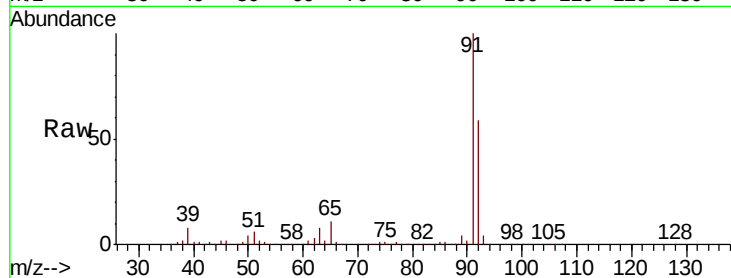
VSTD05070

Tgt Ion: 91 Resp: 819742

Ion Ratio Lower Upper

91 100

92 59.1 41.3 76.7



Abundance Ion 91.00 (90.70 to 91.70): VV007417.D (-2021) (-)

Ion 92.00 (91.70 to 92.70): VV007417.D (-2021) (-)

7.44

500000

400000

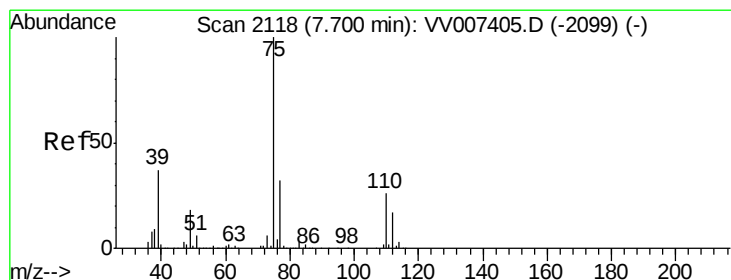
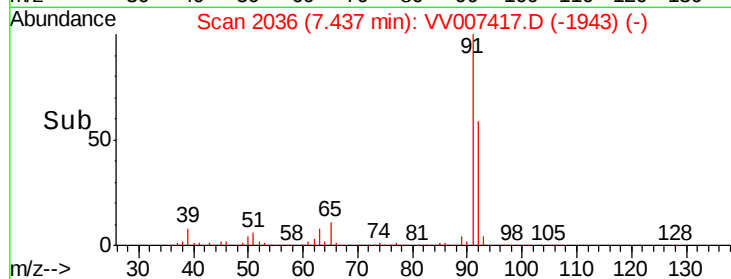
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 47.155 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV007417.D

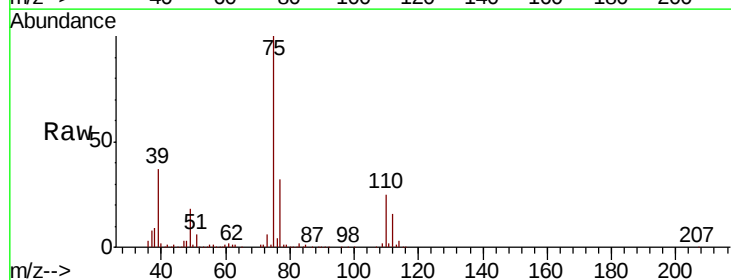
Acq: 06 Sep 2018 05:33

Tgt Ion: 75 Resp: 256267

Ion Ratio Lower Upper

75 100

77 32.3 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV007417.D (-2099) (-)

Ion 77.00 (76.70 to 77.70): VV007417.D (-2099) (-)

7.70

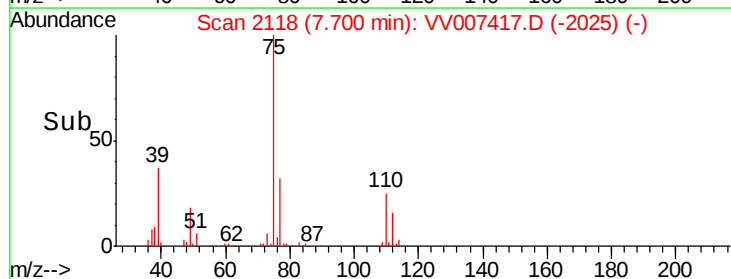
150000

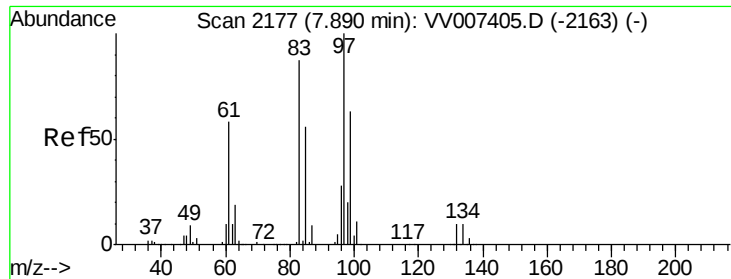
100000

50000

0

Time-->

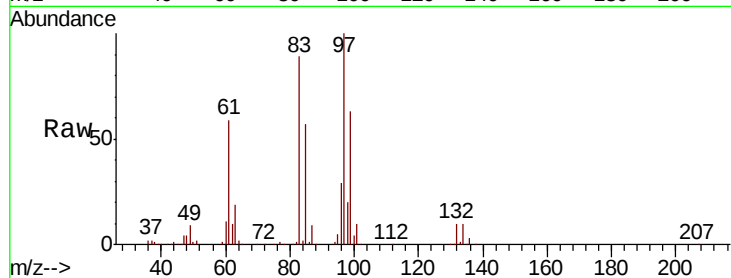




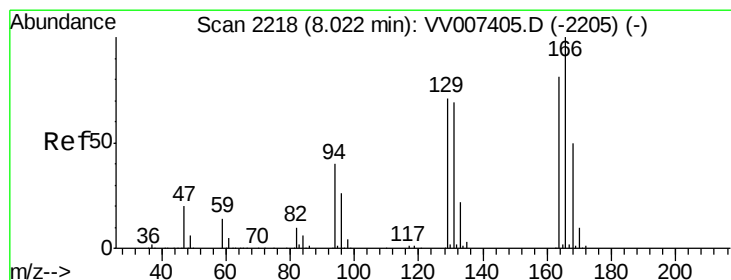
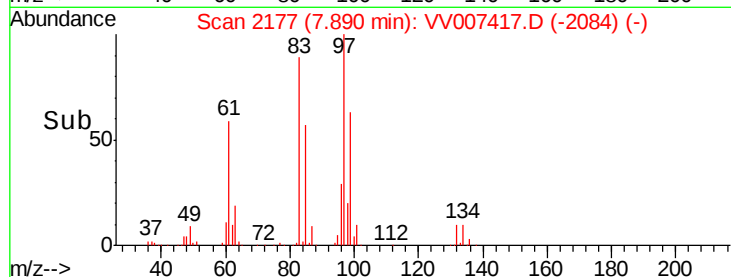
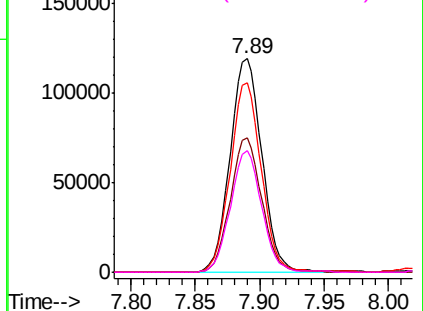
#45
 1,1,2-Trichloroethane
 Concen: 50.274 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VV007417.D
 Acq: 06 Sep 2018 05:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Tgt Ion:	97	Resp:	205375
Ion	Ratio	Lower	Upper
97	100		
99	62.8	44.0	81.6
83	88.5	60.1	111.5
85	56.8	38.4	71.2

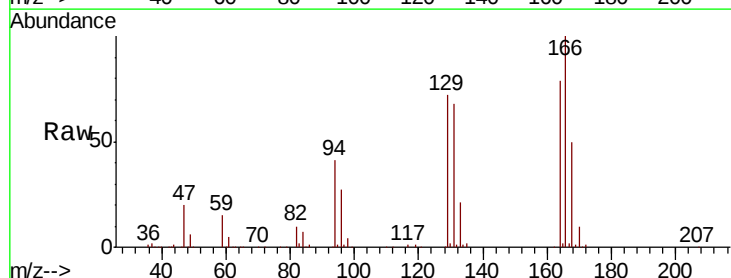


Abundance Ion 97.00 (96.70 to 97.70): VV007417.D (-2163) (-)
 Ion 99.00 (98.70 to 99.70): VV007417.D (-2163) (-)
 Ion 83.00 (82.70 to 83.70): VV007417.D (-2163) (-)
 Ion 85.00 (84.70 to 85.70): VV007417.D (-2163) (-)

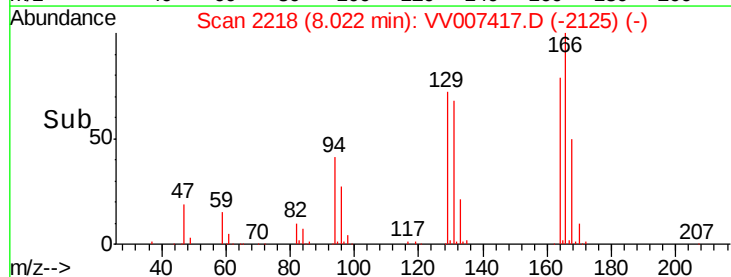
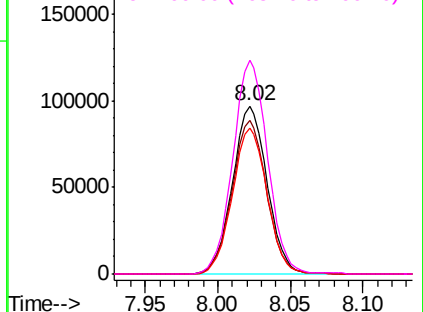


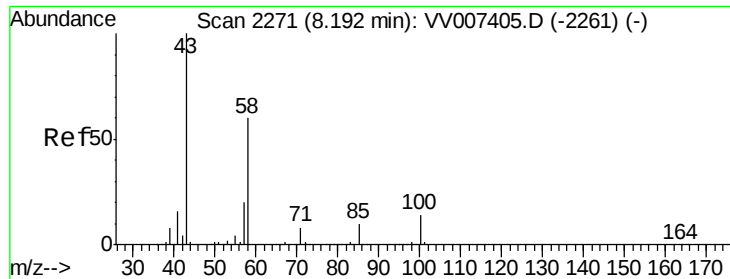
#46
 Tetrachloroethene
 Concen: 51.903 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV007417.D
 Acq: 06 Sep 2018 05:33

Tgt Ion:	164	Resp:	160463
Ion	Ratio	Lower	Upper
164	100		
129	91.3	63.9	118.7
131	86.8	62.6	116.2
166	127.4	91.6	170.2



Abundance Ion 164.00 (163.70 to 164.70): VV007417.D (-2218) (-)
 Ion 129.00 (128.70 to 129.70): VV007417.D (-2218) (-)
 Ion 131.00 (130.70 to 131.70): VV007417.D (-2218) (-)
 Ion 166.00 (165.70 to 166.70): VV007417.D (-2218) (-)

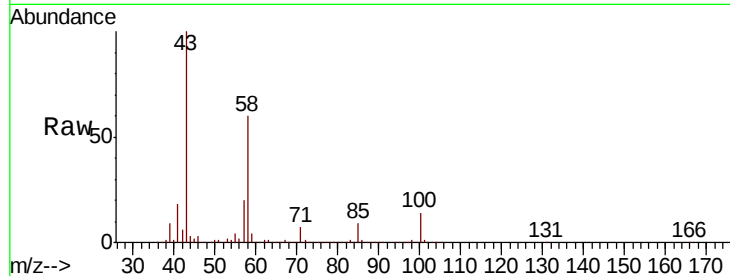




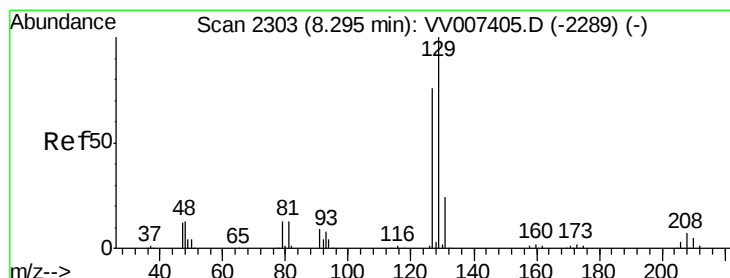
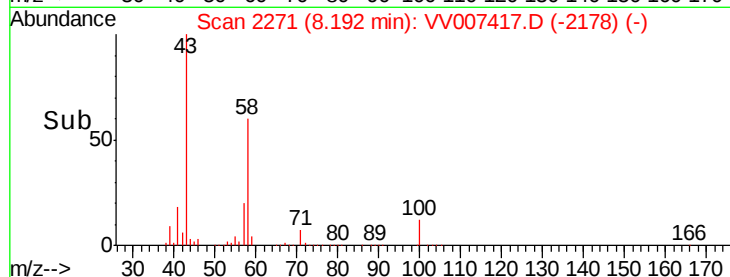
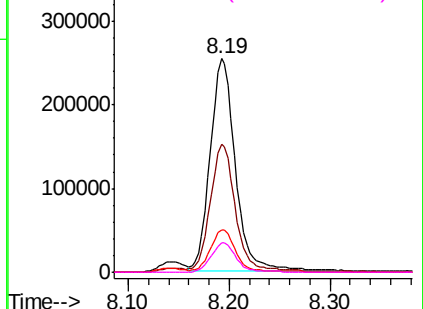
#48
2-Hexanone
Concen: 112.530 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV007417.D
Acq: 06 Sep 2018 05:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

Tgt Ion:	43	Resp:	438808
Ion	Ratio	Lower	Upper
43	100		
58	60.8	48.6	72.8
57	19.6	16.2	24.2
100	13.3	11.1	16.7

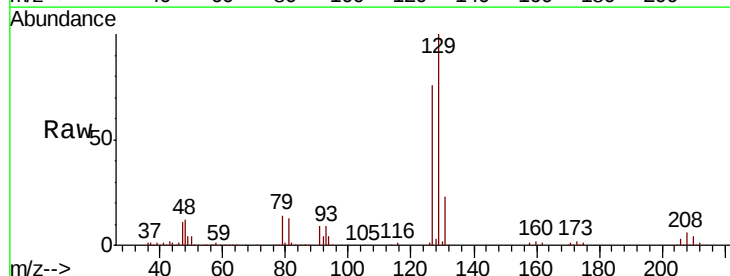


Abundance Ion 43.00 (42.70 to 43.70): VV007417.D (-2178) (-)
Ion 58.00 (57.70 to 58.70): VV007417.D (-2178) (-)
Ion 57.00 (56.70 to 57.70): VV007417.D (-2178) (-)
Ion 100.00 (99.70 to 100.70): VV007417.D (-2178) (-)

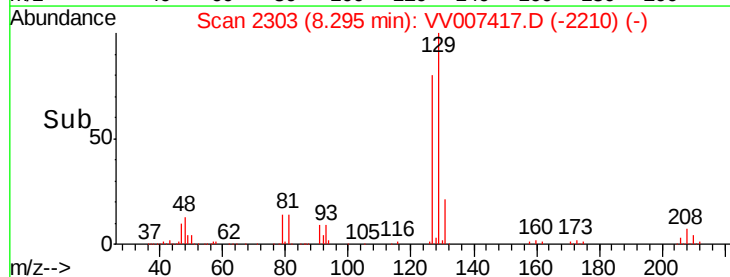
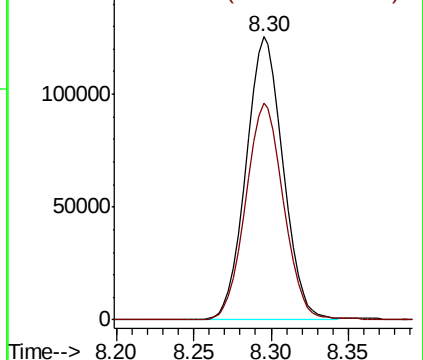


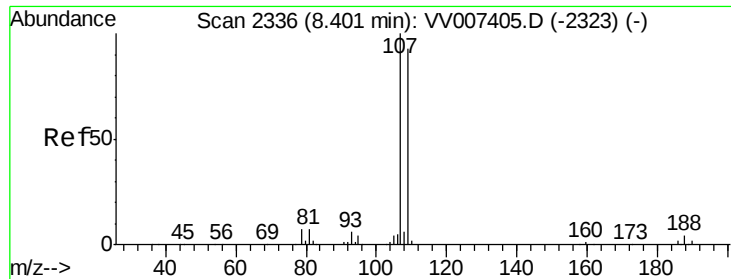
#49
Dibromochloromethane
Concen: 50.035 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV007417.D
Acq: 06 Sep 2018 05:33

Tgt Ion:	129	Resp:	209653
Ion	Ratio	Lower	Upper
129	100		
127	76.4	54.0	100.4



Abundance Ion 129.00 (128.70 to 129.70): VV007417.D (-2210) (-)
Ion 127.00 (126.70 to 127.70): VV007417.D (-2210) (-)

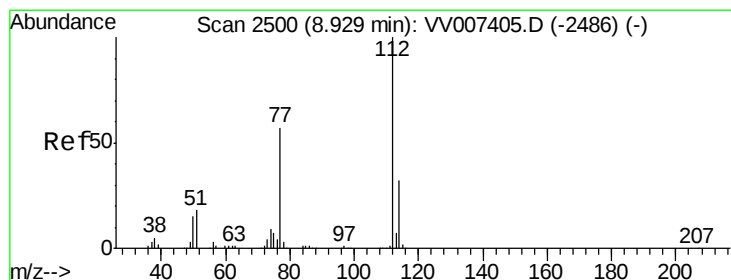
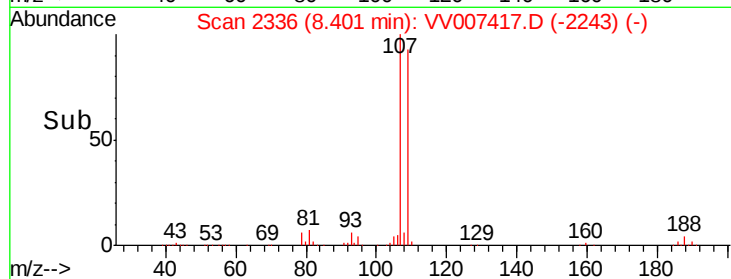
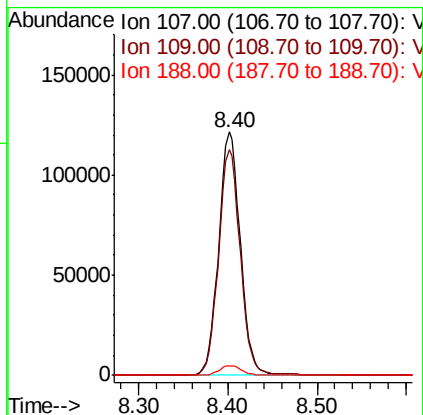
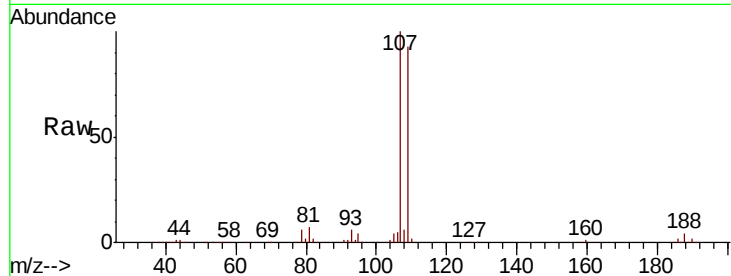




#50
1,2-Dibromoethane
Concen: 51.299 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV007417.D
Acq: 06 Sep 2018 05:33

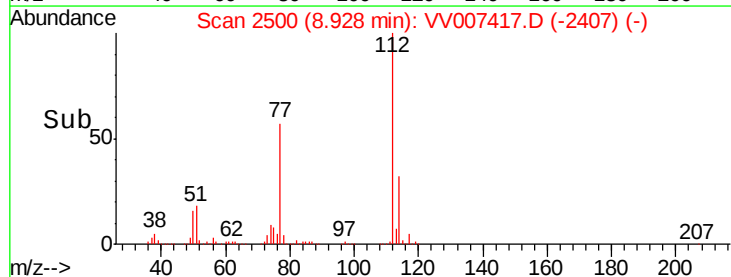
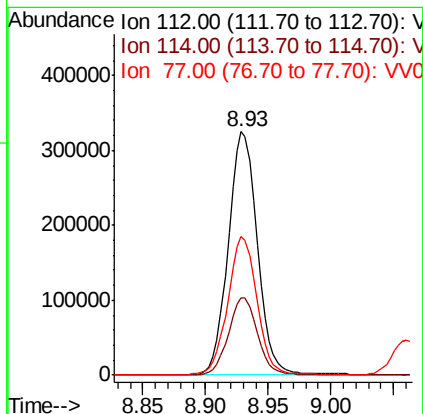
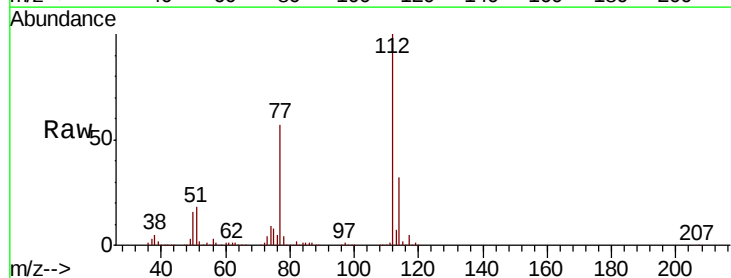
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

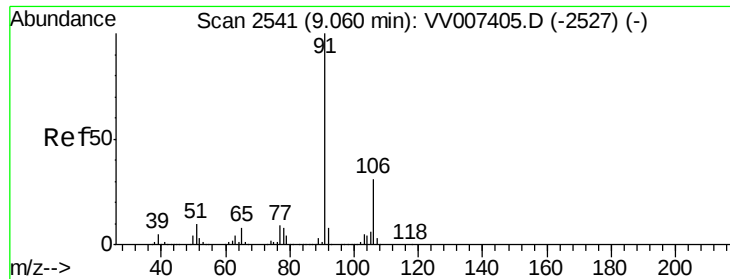
Tgt Ion:107 Resp: 204670
Ion Ratio Lower Upper
107 100
109 92.9 64.8 120.3
188 4.0 3.1 4.7



#51
Chlorobenzene
Concen: 51.255 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV007417.D
Acq: 06 Sep 2018 05:33

Tgt Ion:112 Resp: 524398
Ion Ratio Lower Upper
112 100
114 31.9 22.5 41.7
77 57.0 46.5 69.7





#52

Ethylbenzene

Concen: 53.015 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV007417.D

Acq: 06 Sep 2018 05:33

Instrument :

MSVOA_V

ClientSampleId :

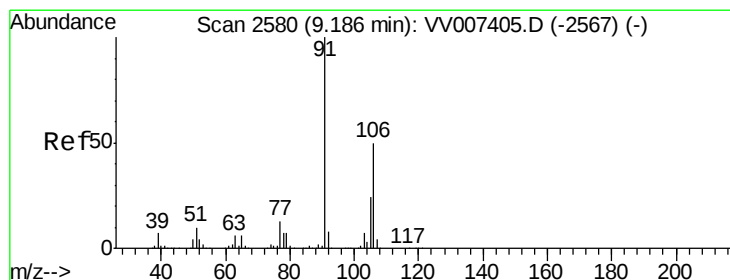
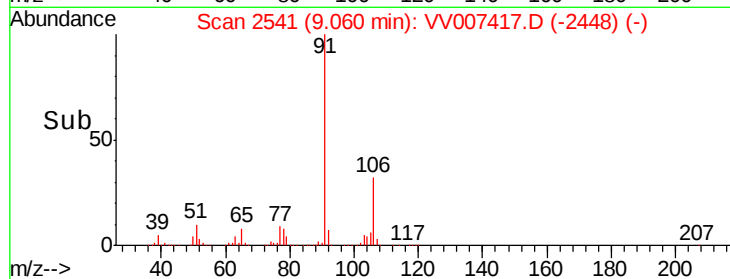
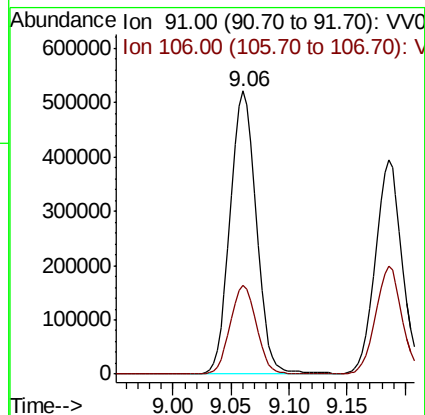
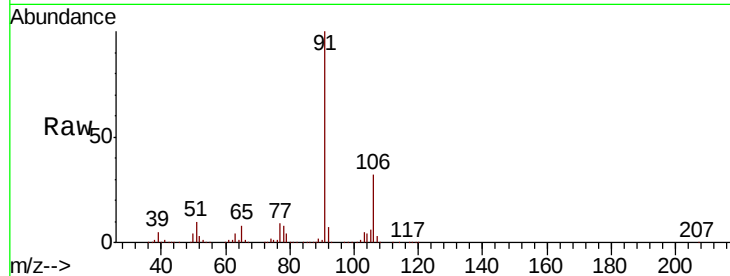
VSTD05070

Tgt Ion: 91 Resp: 814566

Ion Ratio Lower Upper

91 100

106 31.5 21.8 40.4



#53

m,p-Xylene

Concen: 53.768 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV007417.D

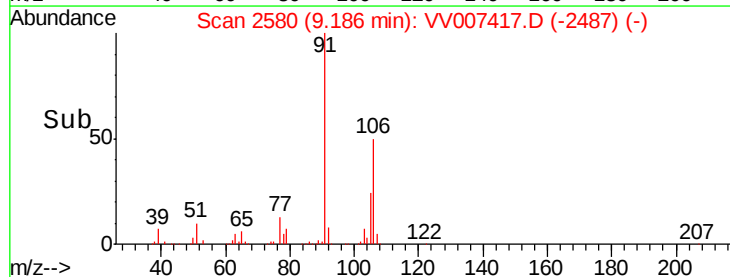
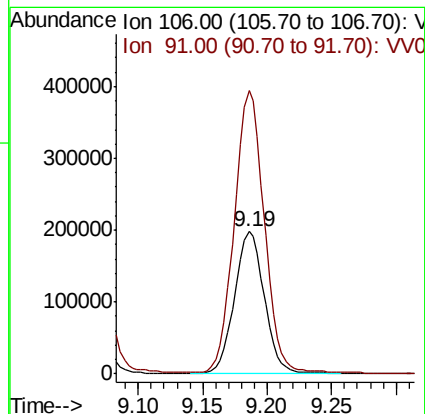
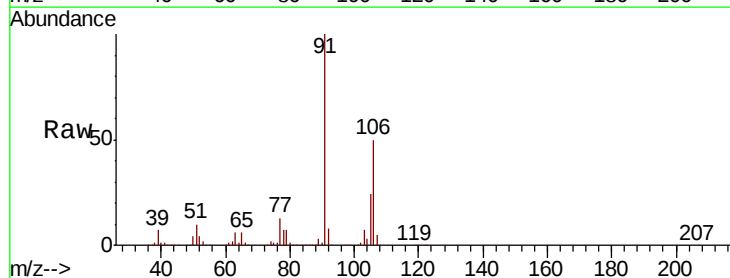
Acq: 06 Sep 2018 05:33

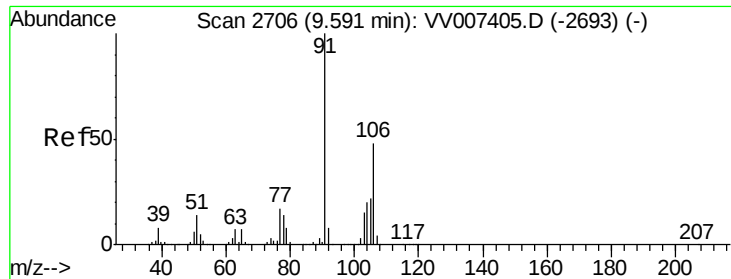
Tgt Ion: 106 Resp: 316286

Ion Ratio Lower Upper

106 100

91 199.1 138.0 256.2





#54

o-xylene

Concen: 53.738 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV007417.D

Acq: 06 Sep 2018 05:33

Instrument :

MSVOA_V

ClientSampleId :

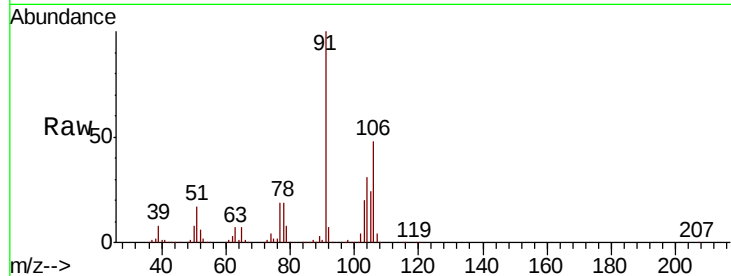
VSTD05070

Tgt Ion:106 Resp: 307385

Ion Ratio Lower Upper

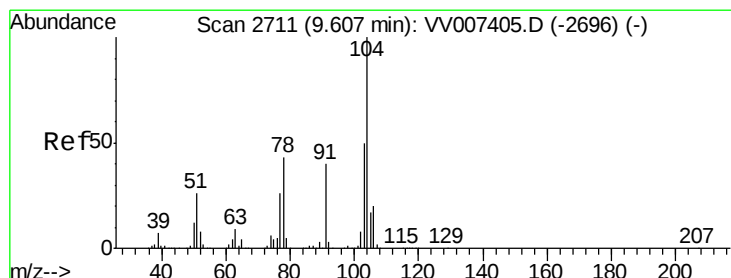
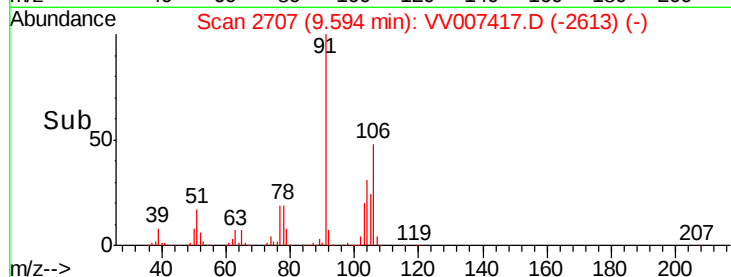
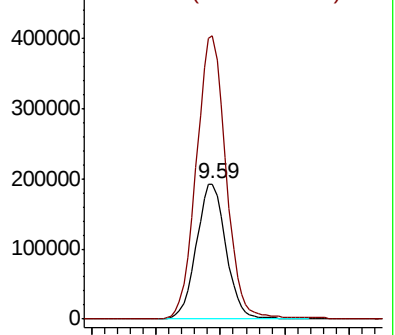
106 100

91 209.8 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 58.350 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV007417.D

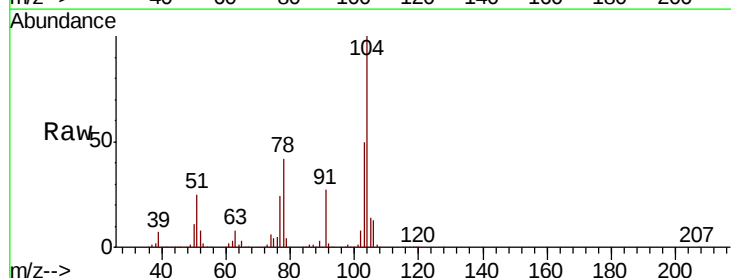
Acq: 06 Sep 2018 05:33

Tgt Ion:104 Resp: 578167

Ion Ratio Lower Upper

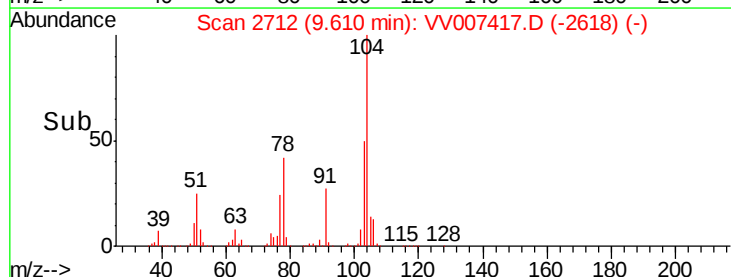
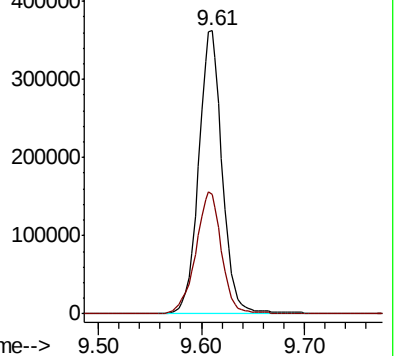
104 100

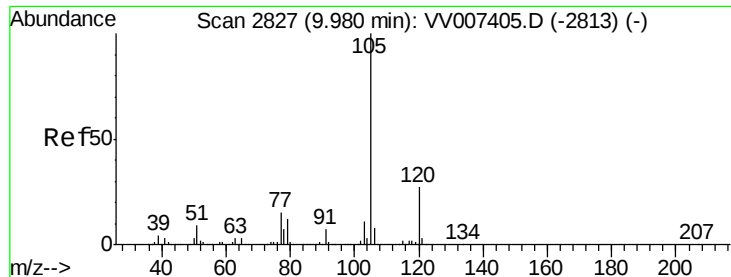
78 42.3 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 53.950 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV007417.D

Acq: 06 Sep 2018 05:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

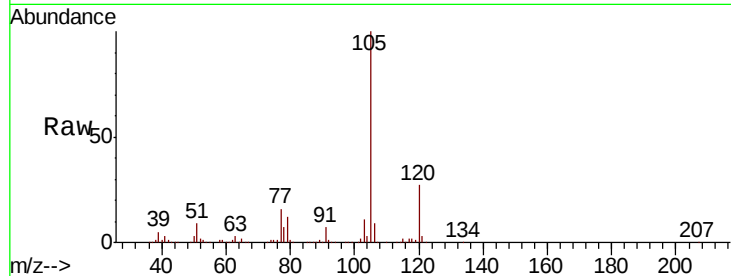
Tgt Ion:105 Resp: 780506

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.0

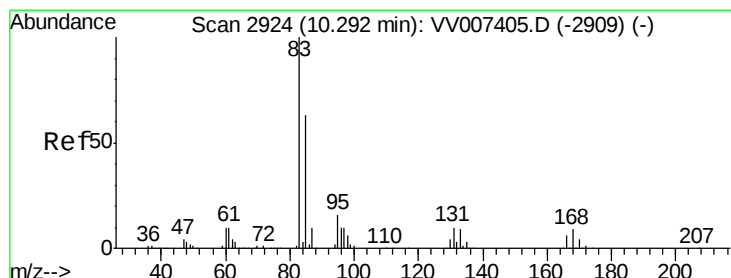
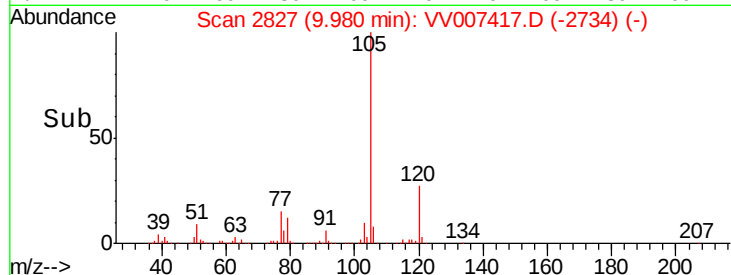
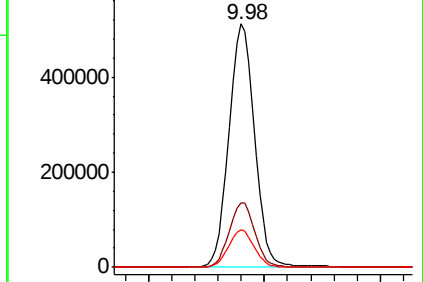
77 15.4 12.0 18.0



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: 54.564 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV007417.D

Acq: 06 Sep 2018 05:33

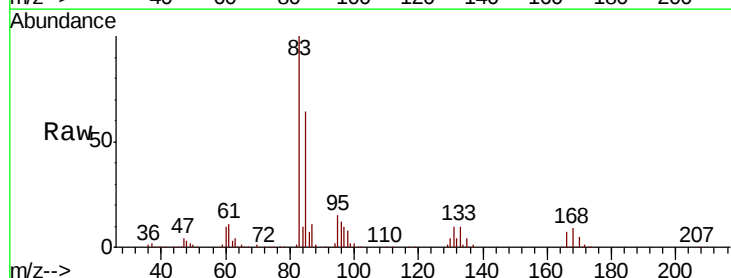
Tgt Ion: 83 Resp: 352562

Ion Ratio Lower Upper

83 100

85 64.3 44.7 82.9

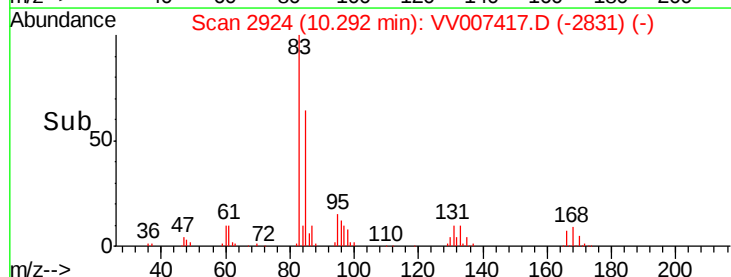
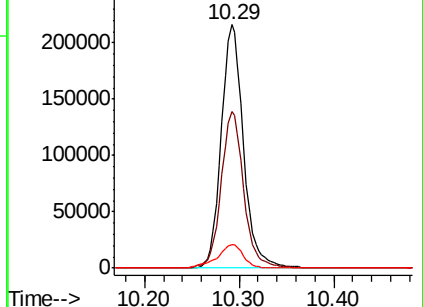
131 9.8 7.8 11.6

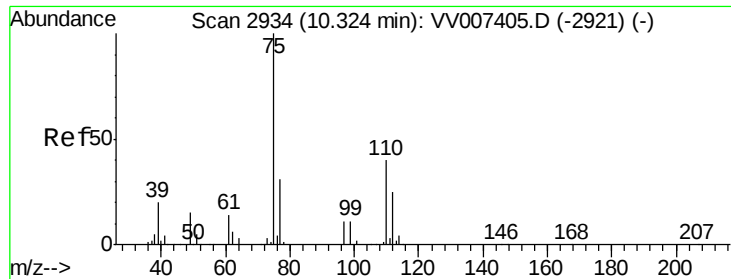


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 53.856 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV007417.D

Acq: 06 Sep 2018 05:33

Instrument :

MSVOA_V

ClientSampleId :

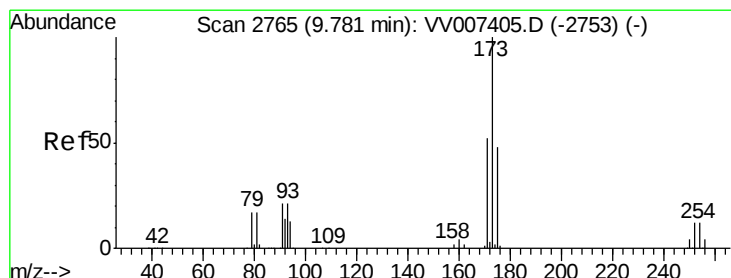
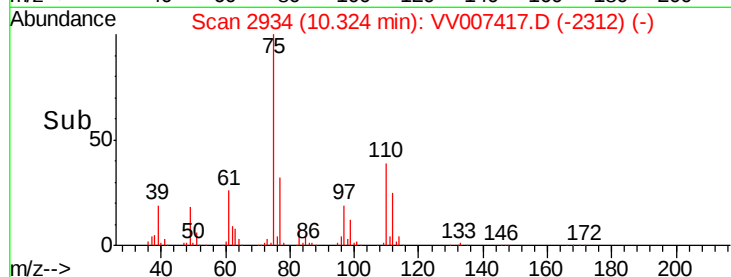
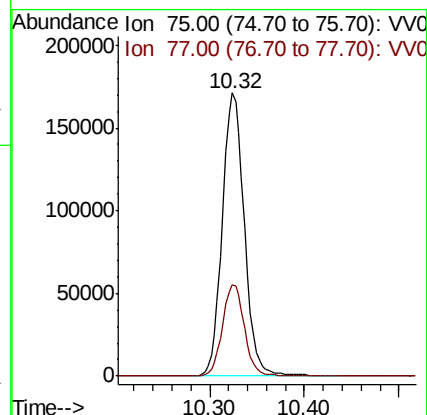
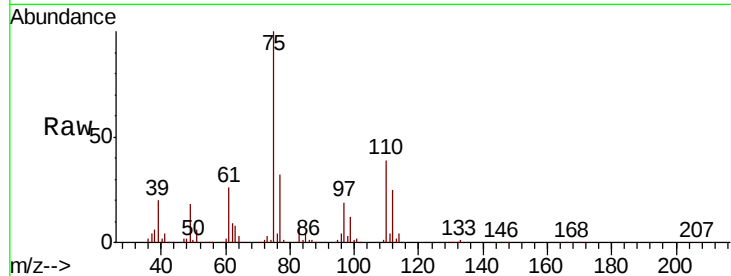
VSTD05070

Tgt Ion: 75 Resp: 277234

Ion Ratio Lower Upper

75 100

77 32.4 25.5 38.3



#61

Bromoform

Concen: 46.598 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV007417.D

Acq: 06 Sep 2018 05:33

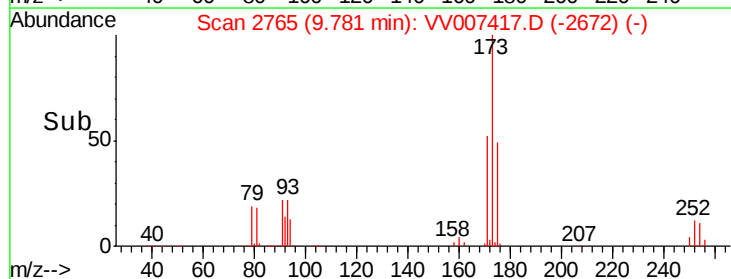
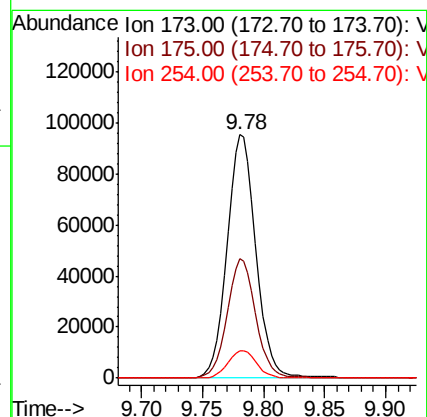
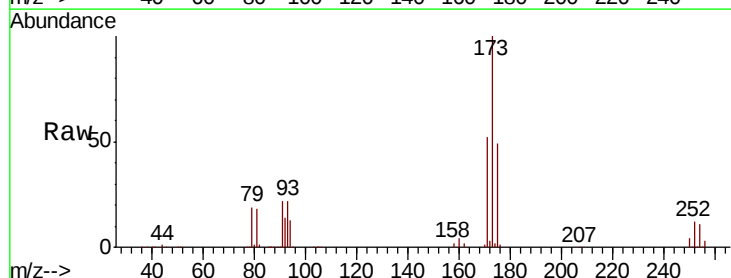
Tgt Ion: 173 Resp: 157943

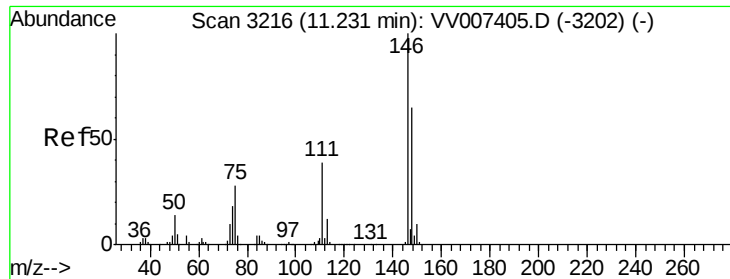
Ion Ratio Lower Upper

173 100

175 48.9 39.0 58.6

254 11.5 9.3 13.9





#62

1,3-Dichlorobenzene

Concen: 49.251 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV007417.D

Acq: 06 Sep 2018 05:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

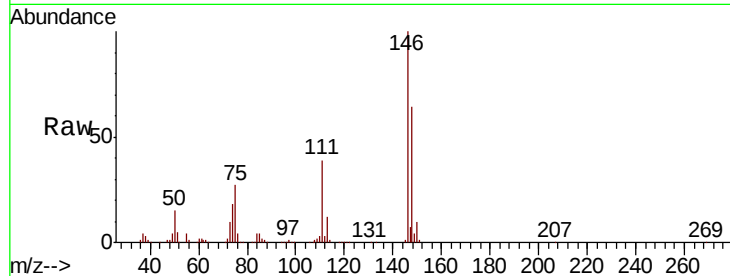
Tgt Ion:146 Resp: 372403

Ion Ratio Lower Upper

146 100

111 39.1 27.5 51.1

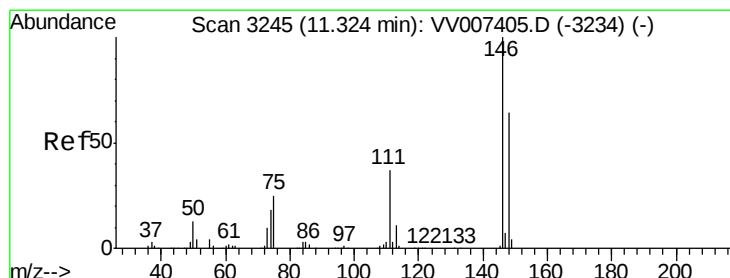
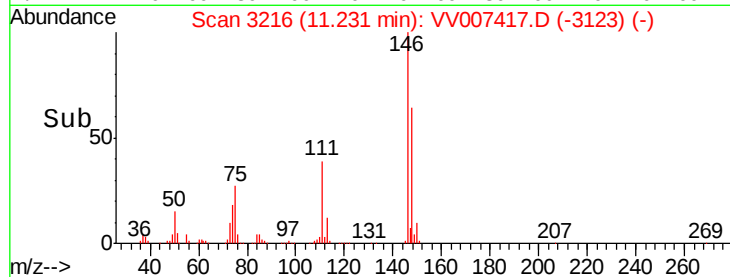
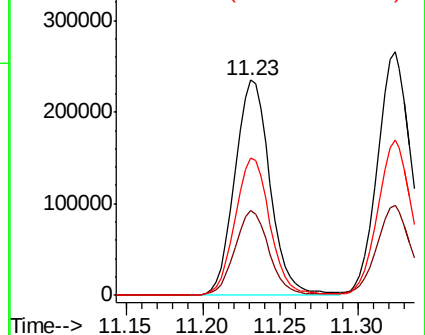
148 63.7 45.7 84.9



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



#63

1,4-Dichlorobenzene

Concen: 51.179 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV007417.D

Acq: 06 Sep 2018 05:33

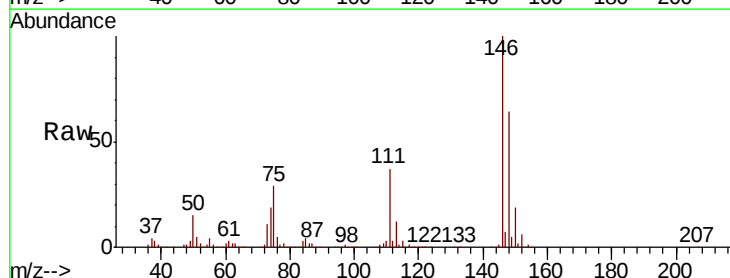
Tgt Ion:146 Resp: 415039

Ion Ratio Lower Upper

146 100

111 37.1 25.6 47.6

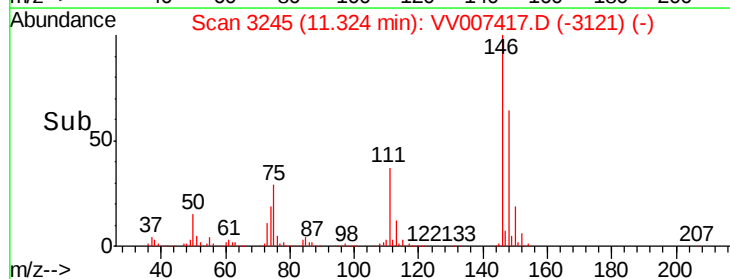
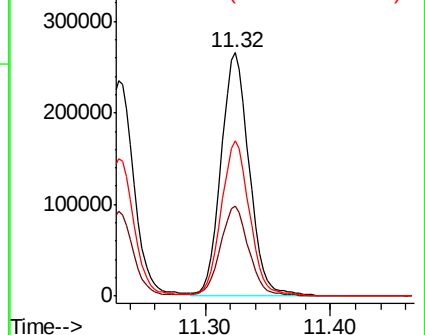
148 63.8 44.2 82.0

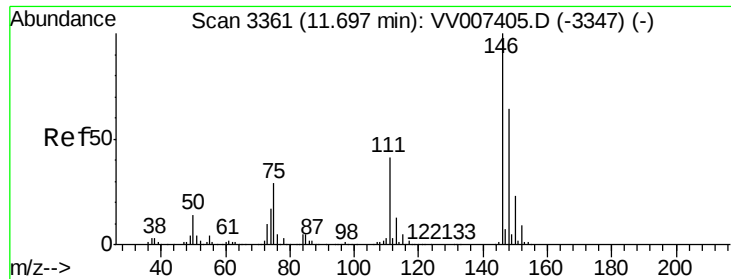


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 51.987 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV007417.D

Acq: 06 Sep 2018 05:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

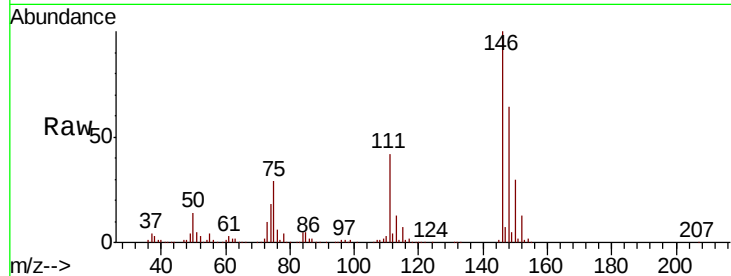
Tgt Ion:146 Resp: 439444

Ion Ratio Lower Upper

146 100

111 41.7 31.7 47.5

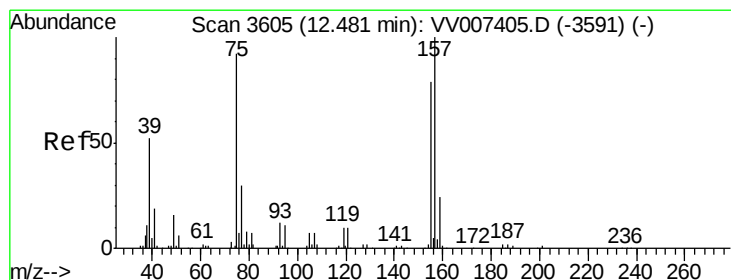
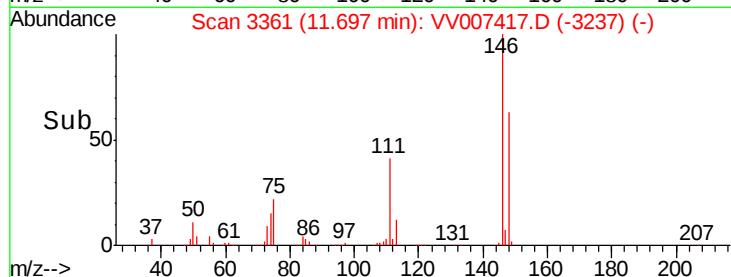
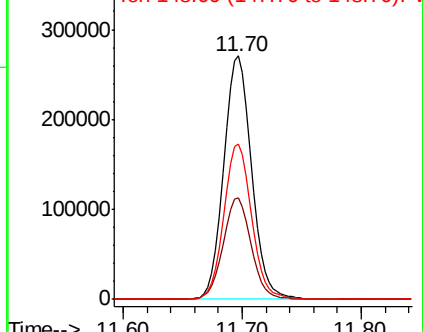
148 63.7 50.0 75.0



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: 47.718 ug/L

RT: 12.48 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VV007417.D

Acq: 06 Sep 2018 05:33

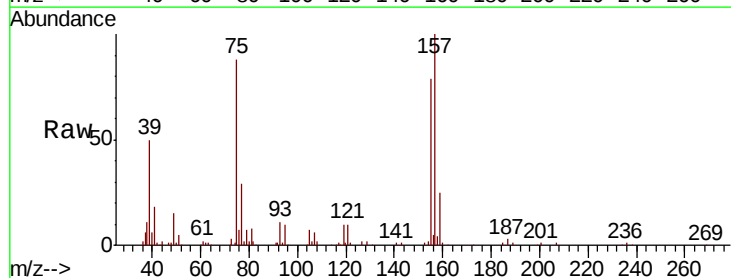
Tgt Ion: 75 Resp: 68385

Ion Ratio Lower Upper

75 100

155 89.7 70.6 105.8

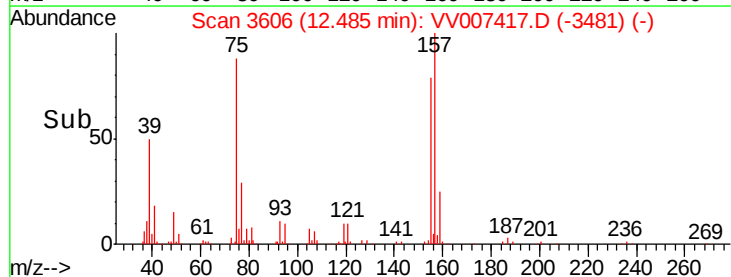
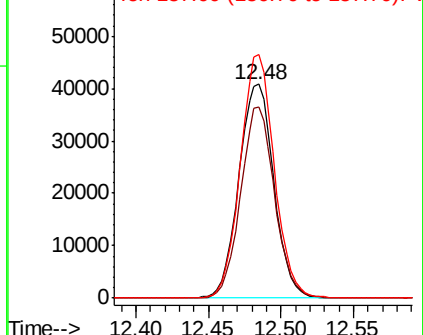
157 114.0 88.6 132.8

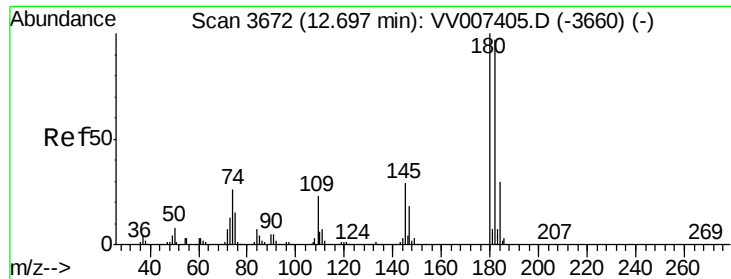


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

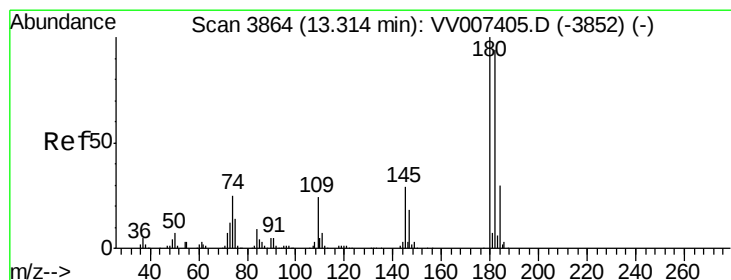
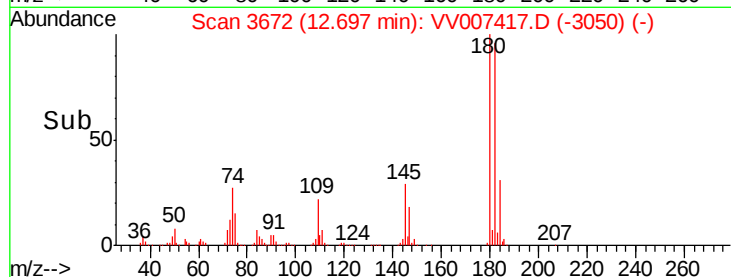
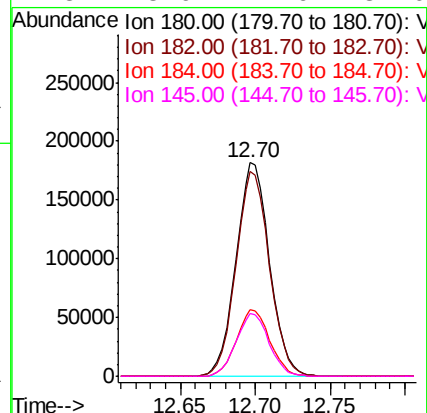
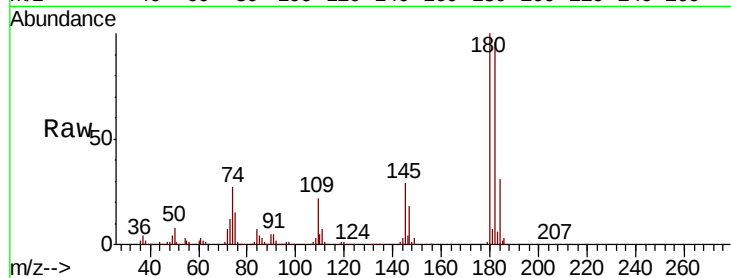




#67
 1,3,5-Trichlorobenzene
 Concen: 48.839 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. -0.00 min
 Lab File: VV007417.D
 Acq: 06 Sep 2018 05:33

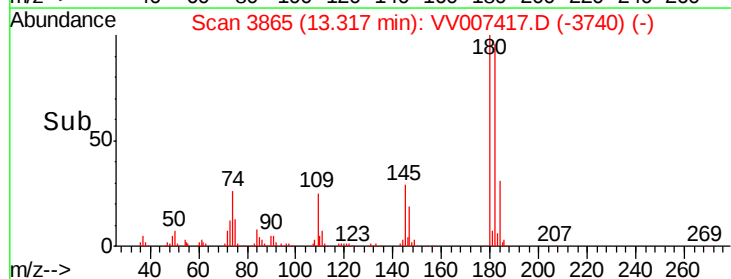
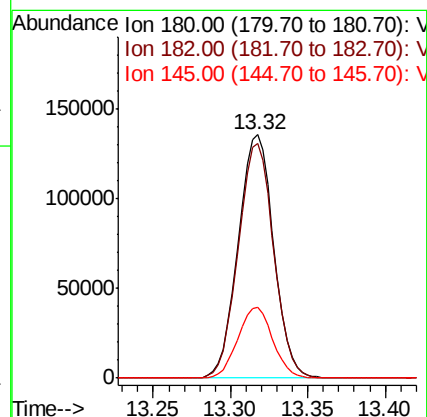
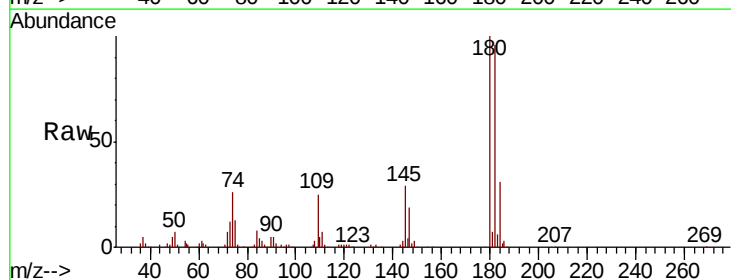
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05070

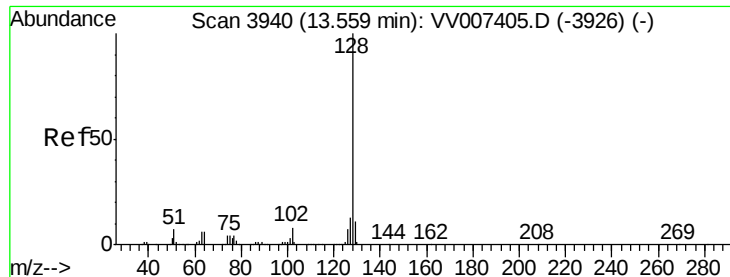
Tgt Ion:	180	Resp:	283377
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.8	115.2
184	30.8	24.2	36.2
145	28.9	22.6	34.0



#68
 1,2,4-trichlorobenzene
 Concen: 48.007 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV007417.D
 Acq: 06 Sep 2018 05:33

Tgt Ion:	180	Resp:	215786
Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.0	115.4
145	28.7	22.9	34.3





#69

Naphthalene

Concen: 48.032 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV007417.D

Acq: 06 Sep 2018 05:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

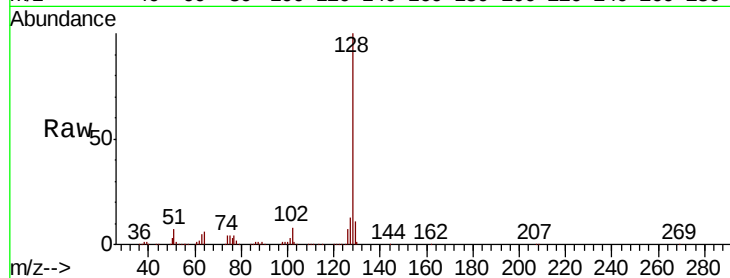
Tgt Ion:128 Resp: 623122

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

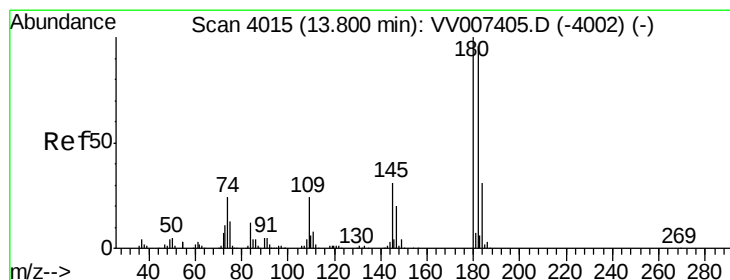
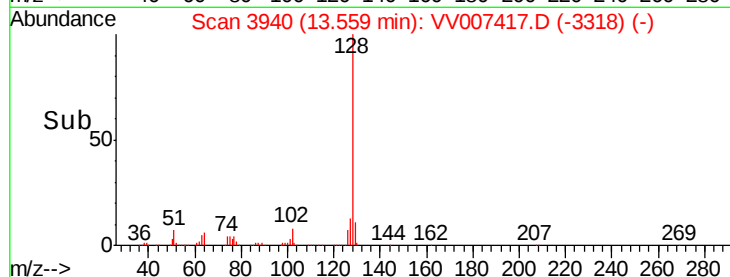
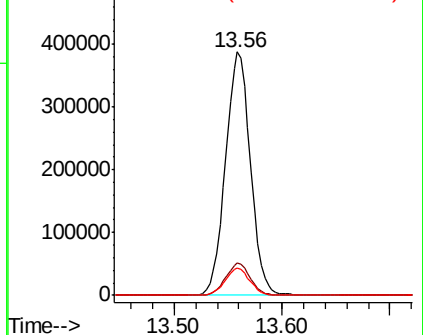
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 52.140 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV007417.D

Acq: 06 Sep 2018 05:33

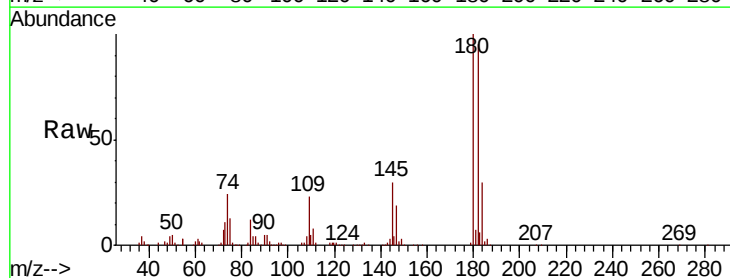
Tgt Ion:180 Resp: 258979

Ion Ratio Lower Upper

180 100

182 94.0 77.2 115.8

145 29.8 24.5 36.7



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

