

Data File : VV012543.D
Acq On : 02 Sep 2019 21:43
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00538

Quant Time: Sep 03 05:50:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 03 05:44:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	142757	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	143619	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	71480	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	70078	5.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.00%
7) Chloroethane-d5	1.58	69	68655	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.20%
11) 1,1-Dichloroethene-d2	2.14	63	174945	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.40%
20) 2-Butanone-d5	3.97	46	139091	52.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.30%
24) Chloroform-d	4.40	84	110423	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
26) 1,2-Dichloroethane-d4	5.08	65	57901	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
32) Benzene-d6	5.10	84	204140	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.12	67	65742	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.40%
41) Toluene-d8	7.36	98	192891	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
43) trans-1,3-Dichloropropene-	7.66	79	22380	4.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.40%
46) 2-Hexanone-d5	8.14	63	92599	53.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.48%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	46521	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	62662	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	93845	5.133 ug/L	98
3) Chloromethane	1.25	50	117646	5.434 ug/L	97
5) Vinyl chloride	1.32	62	121856	5.188 ug/L	99
6) Bromomethane	1.54	94	67849	4.858 ug/L	100
8) Chloroethane	1.60	64	82346	5.114 ug/L	97
9) Trichlorofluoromethane	1.77	101	188867	5.245 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	103330	5.143 ug/L	98
12) 1,1-Dichloroethene	2.14	96	97464	5.278 ug/L	99
13) Acetone	2.23	43	190882	50.914 ug/L	99
14) Carbon disulfide	2.32	76	300193	5.056 ug/L	99
15) Methyl Acetate	2.47	43	50220	5.527 ug/L	100
16) Methylene chloride	2.53	84	111755	5.259 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	164802	5.254 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	74541	5.049 ug/L	98
19) 1,1-Dichloroethane	3.23	63	149927	5.276 ug/L	99
21) 2-Butanone	4.05	43	195050	54.374 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	75703	4.961 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	32950	5.407	ug/L	96
25) Chloroform	4.43	83	152409	5.118	ug/L	98
27) 1,2-Dichloroethane	5.18	62	96012	5.537	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	122171	5.133	ug/L	97
30) Cyclohexane	4.72	56	123022	5.010	ug/L	99
31) Carbon tetrachloride	4.87	117	102533	4.955	ug/L	100
33) Benzene	5.15	78	315173	5.345	ug/L	100
34) Trichloroethene	5.96	95	80245	4.911	ug/L	97
35) Methylcyclohexane	6.17	83	121728	4.902	ug/L	100
37) 1,2-Dichloropropane	6.22	63	80037	5.072	ug/L	99
38) Bromodichloromethane	6.55	83	102166	5.121	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	100963	4.920	ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	512007	55.849	ug/L	99
42) Toluene	7.43	91	343059	5.352	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	81842	5.033	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	53161	5.329	ug/L	97
47) Tetrachloroethene	8.02	164	56632	4.797	ug/L	92
48) 2-Hexanone	8.19	43	353489	55.020	ug/L	97
49) Dibromochloromethane	8.29	129	59410	5.115	ug/L	98
50) 1,2-Dibromoethane	8.40	107	46863	5.264	ug/L	97
51) Chlorobenzene	8.92	112	202452	5.028	ug/L	99
52) Ethylbenzene	9.05	91	364105	5.207	ug/L	99
53) m,p-xylene	9.18	106	132489	5.224	ug/L	98
54) o-xylene	9.59	106	126300	5.278	ug/L	100
55) Styrene	9.60	104	223220	5.483	ug/L	98
56) Isopropylbenzene	9.97	105	347118	5.241	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	60805	5.416	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	45782	5.206	ug/L	100
61) Bromoform	9.77	173	29006	4.993	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	152968	4.957	ug/L	97
63) 1,4-Dichlorobenzene	11.31	146	154712	4.870	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	144163	5.097	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	8950	4.695	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	107496	4.713	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	80131	4.878	ug/L	99
69) Naphthalene	13.55	128	116198	4.770	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	76507	5.145	ug/L	97

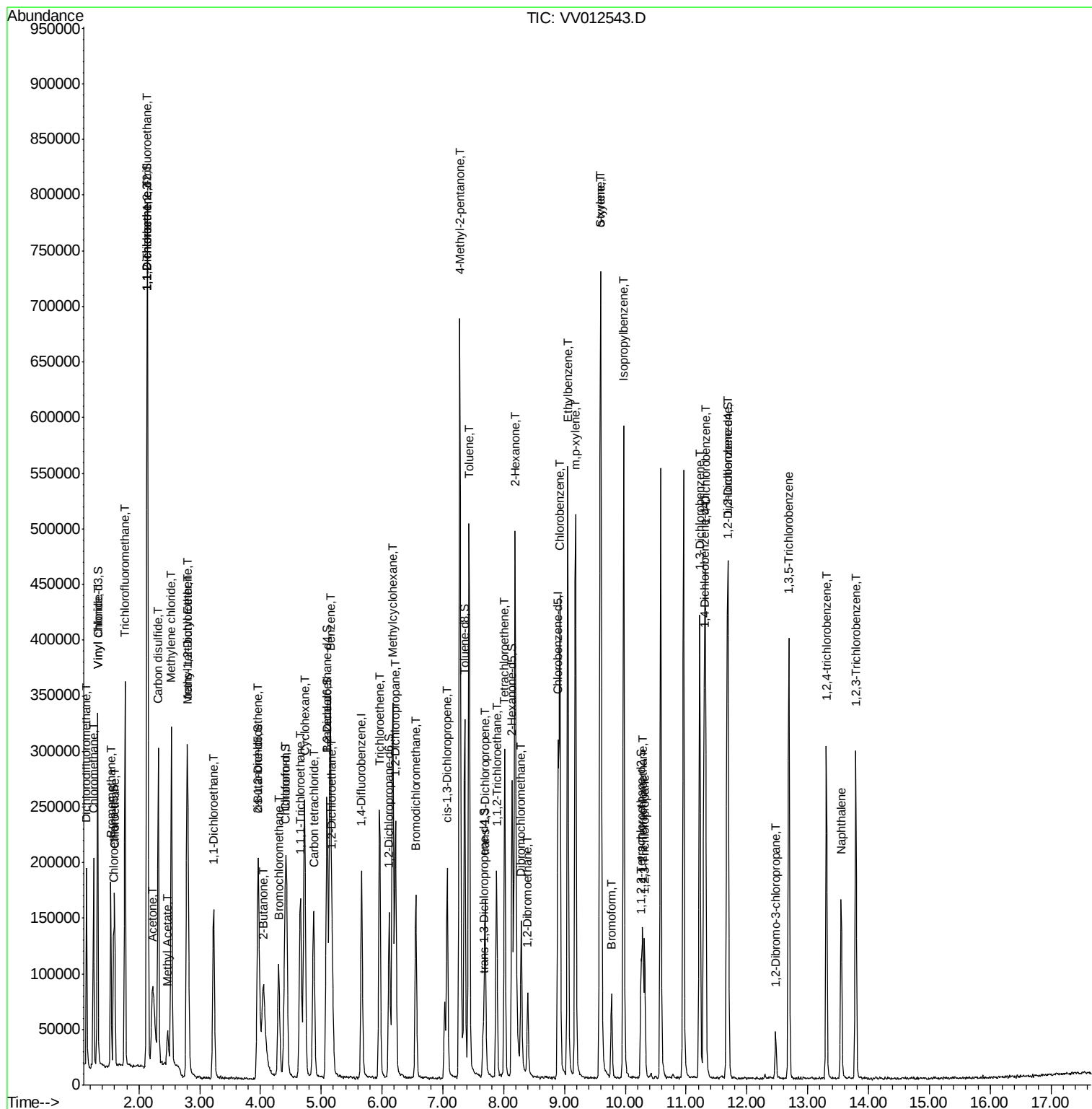
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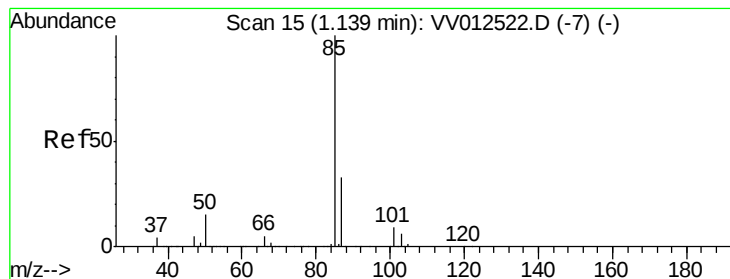
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#2

Dichlorodifluoromethane

Concen: 5.133 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012543.D

Acq: 02 Sep 2019 21:43

Instrument :

MSVOA_V

ClientSampleId :

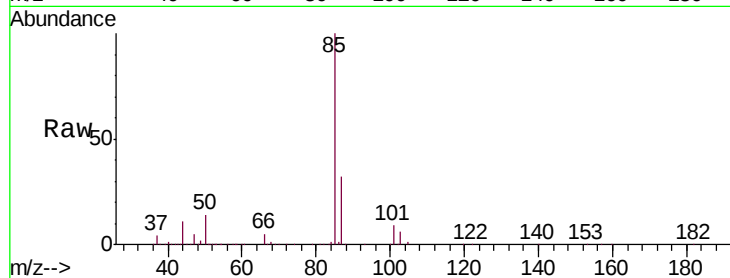
VSTD00538

Tgt Ion: 85 Resp: 93845

Ion Ratio Lower Upper

85 100

87 31.9 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV012522.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV012522.D (-7) (-)

1.14

100000

80000

60000

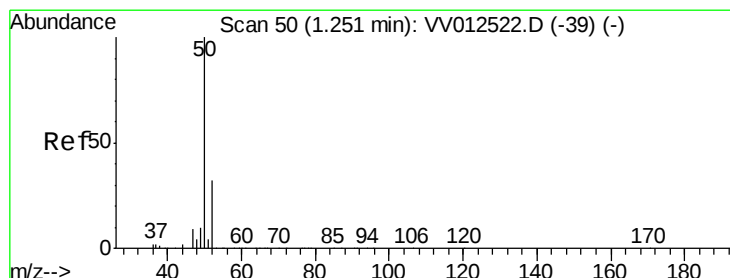
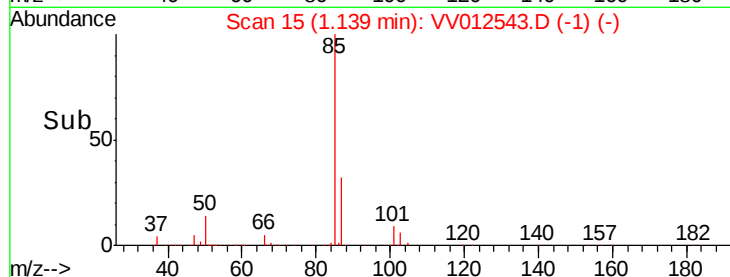
40000

20000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 5.434 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012543.D

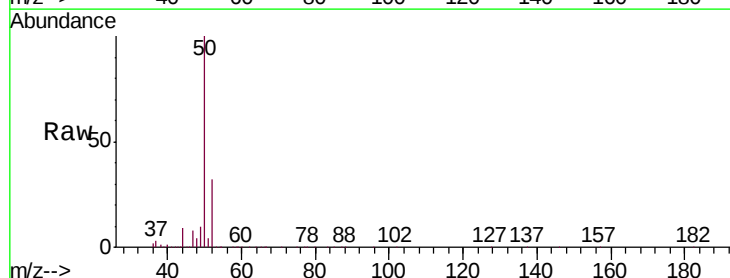
Acq: 02 Sep 2019 21:43

Tgt Ion: 50 Resp: 117646

Ion Ratio Lower Upper

50 100

52 32.1 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VV012522.D (-39) (-)

Ion 52.05 (51.75 to 52.75): VV012522.D (-39) (-)

1.25

120000

100000

80000

60000

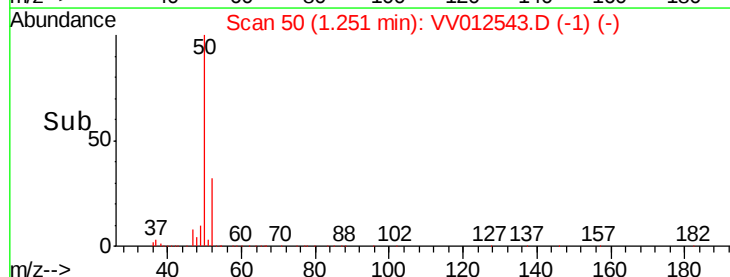
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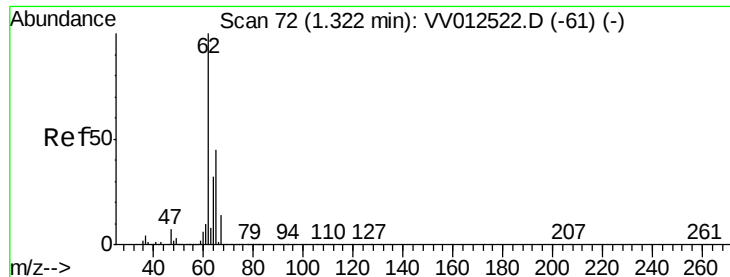
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 5.188 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012543.D

Acq: 02 Sep 2019 21:43

Instrument :

MSVOA_V

ClientSampleId :

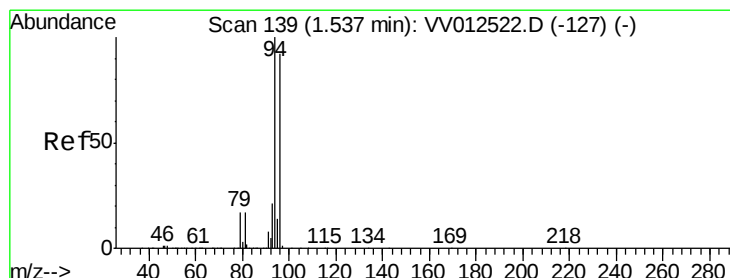
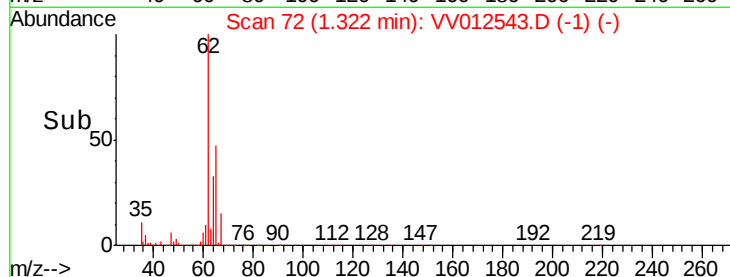
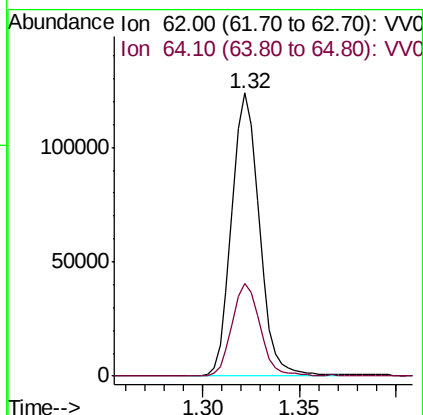
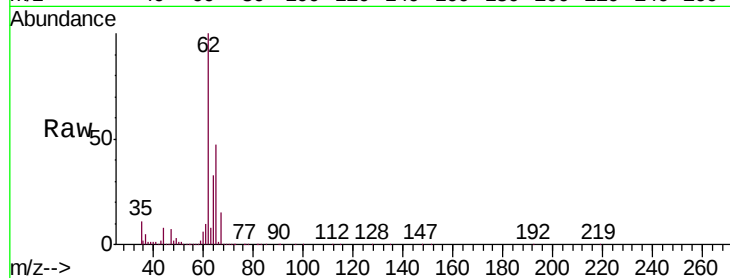
VSTD00538

Tgt Ion: 62 Resp: 121856

Ion Ratio Lower Upper

62 100

64 32.8 22.7 42.1



#6

Bromomethane

Concen: 4.858 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012543.D

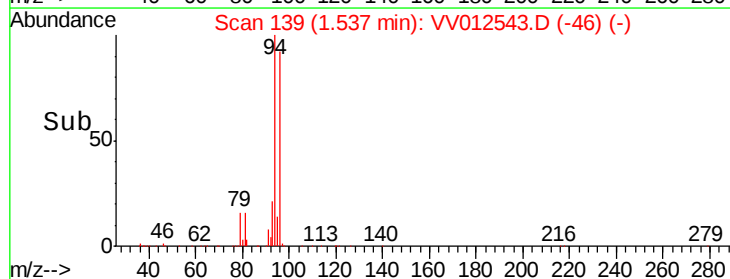
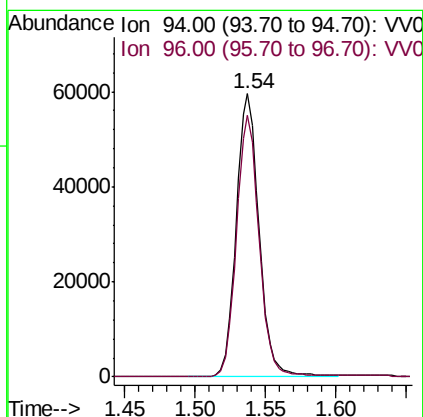
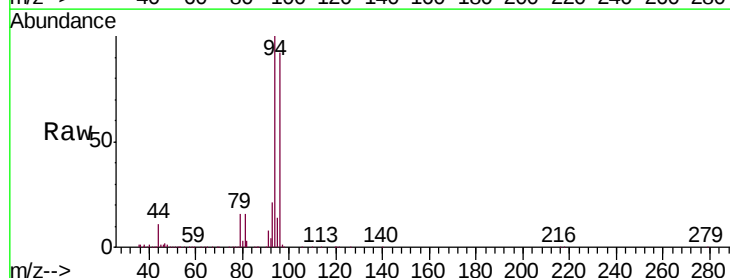
Acq: 02 Sep 2019 21:43

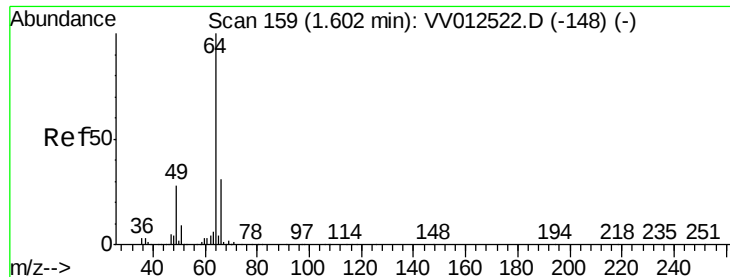
Tgt Ion: 94 Resp: 67849

Ion Ratio Lower Upper

94 100

96 92.2 64.3 119.3





#8

Chloroethane

Concen: 5.114 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV012543.D

Acq: 02 Sep 2019 21:43

Instrument :

MSVOA_V

ClientSampleId :

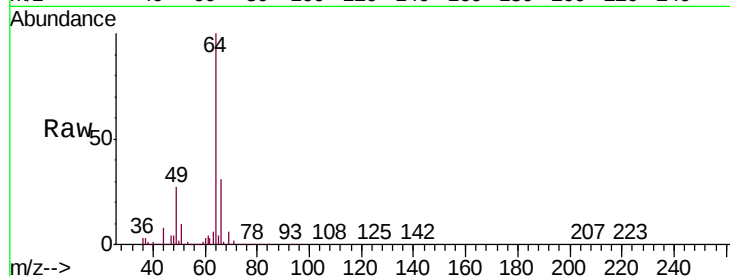
VSTD00538

Tgt Ion: 64 Resp: 82346

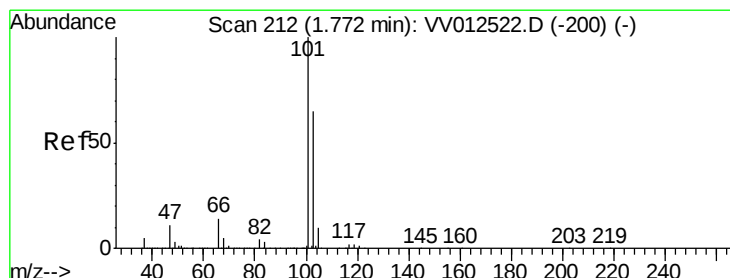
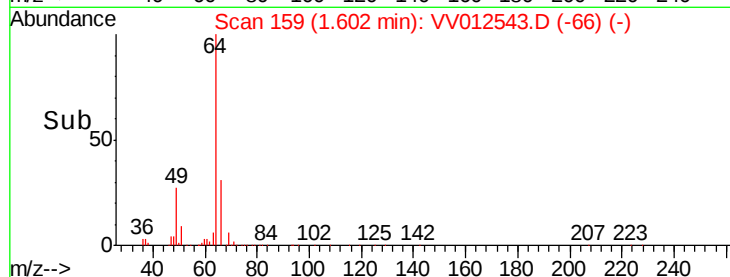
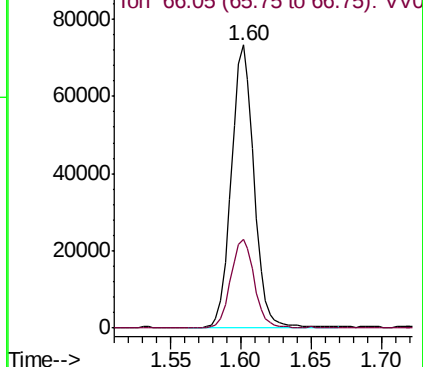
Ion Ratio Lower Upper

64 100

66 31.3 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VV012522.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 5.245 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV012543.D

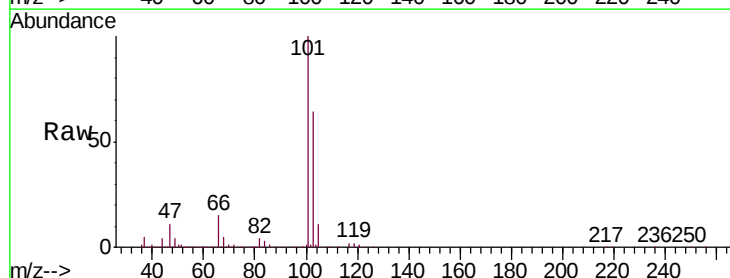
Acq: 02 Sep 2019 21:43

Tgt Ion: 101 Resp: 188867

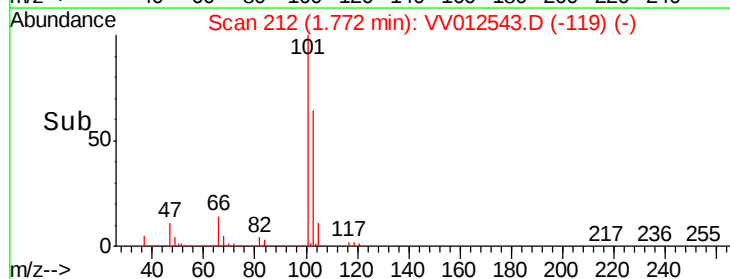
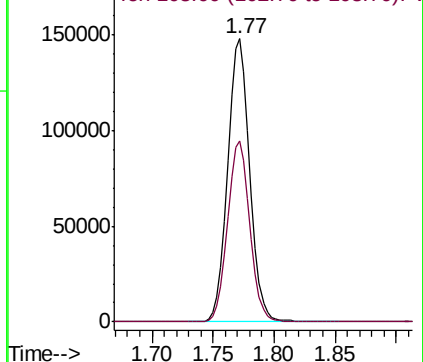
Ion Ratio Lower Upper

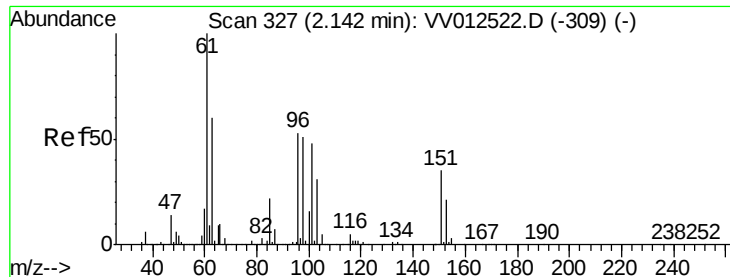
101 100

103 64.3 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VV012522.D (-200) (-)





#10

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

Concen: 5.143 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012543.D

Acq: 02 Sep 2019 21:43

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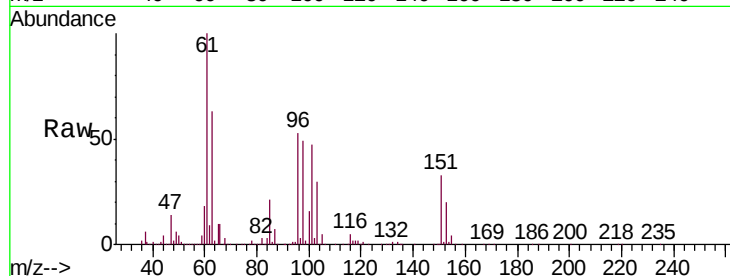
Tgt Ion: 101 Resp: 103330

Ion Ratio Lower Upper

101 100

85 45.3 37.4 56.0

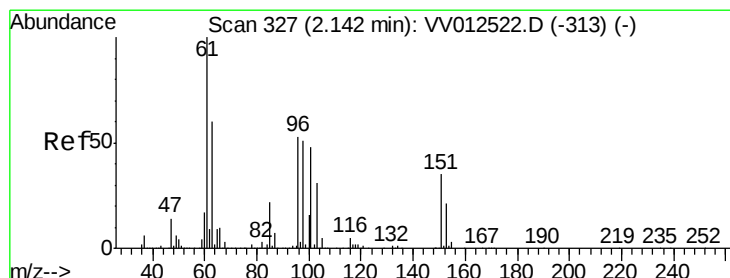
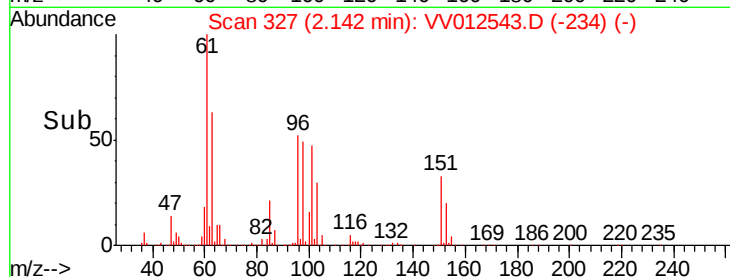
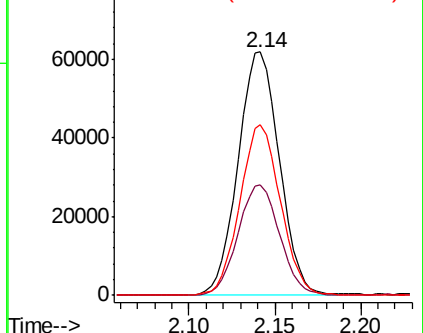
151 69.0 56.7 85.1



Abundance Ion 101.00 (100.70 to 101.70): VV012522.D (-309) (-)

Ion 85.00 (84.70 to 85.70): VV012522.D (-309) (-)

Ion 151.00 (150.70 to 151.70): VV012522.D (-309) (-)



#12

1,1-Dichloroethene

Concen: 5.278 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012543.D

Acq: 02 Sep 2019 21:43

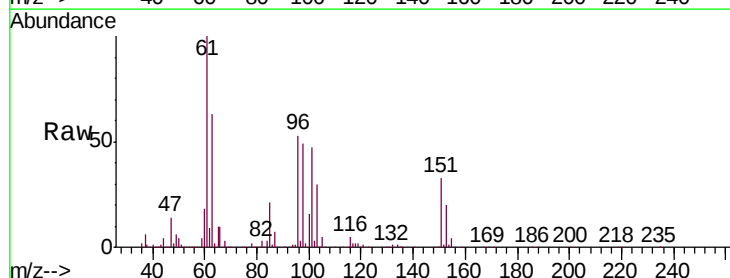
Tgt Ion: 96 Resp: 97464

Ion Ratio Lower Upper

96 100

61 190.3 133.7 248.3

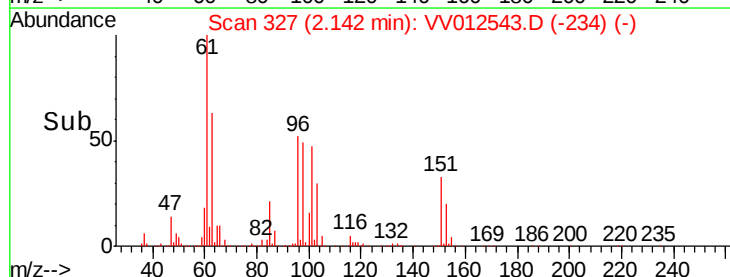
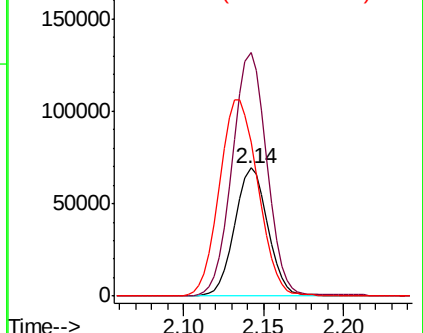
63 120.0 83.2 154.6

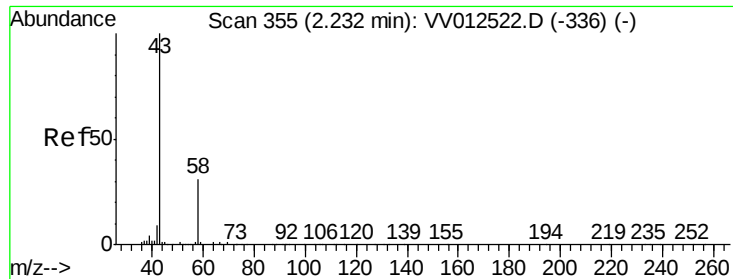


Abundance Ion 96.00 (95.70 to 96.70): VV012522.D (-313) (-)

Ion 61.05 (60.75 to 61.75): VV012522.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV012522.D (-313) (-)





#13

Acetone

Concen: 50.914 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.01 min

Lab File: VV012543.D

Acq: 02 Sep 2019 21:43

Instrument :

MSVOA_V

ClientSampleId :

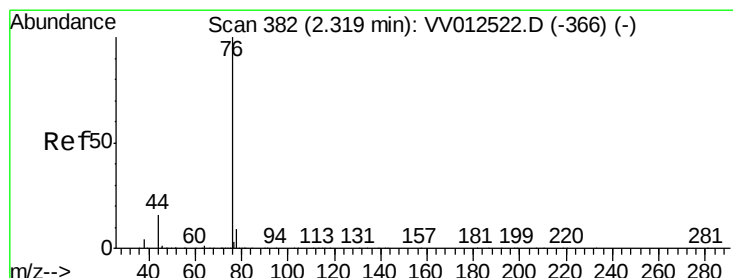
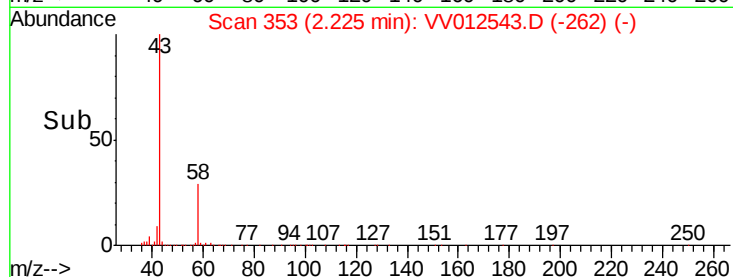
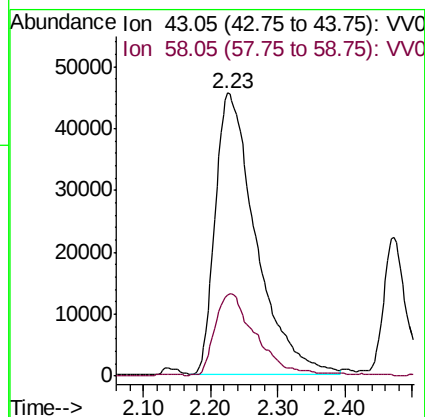
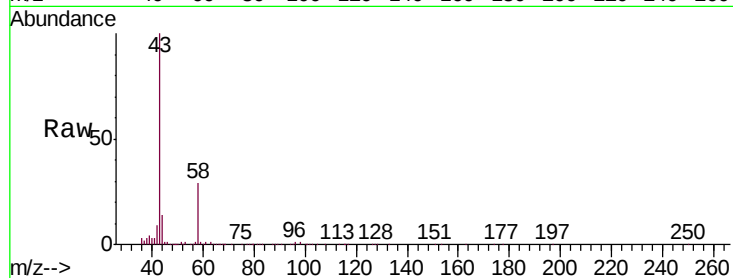
VSTD00538

Tgt Ion: 43 Resp: 190882

Ion Ratio Lower Upper

43 100

58 28.3 0.0 58.2



#14

Carbon disulfide

Concen: 5.056 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012543.D

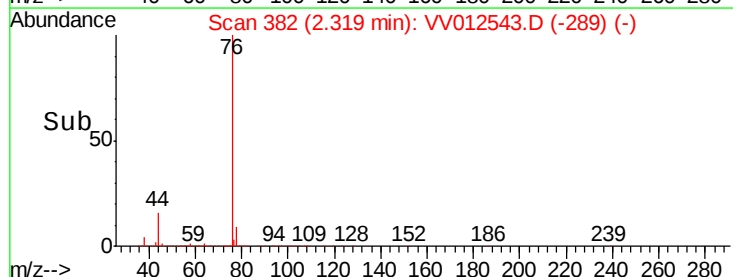
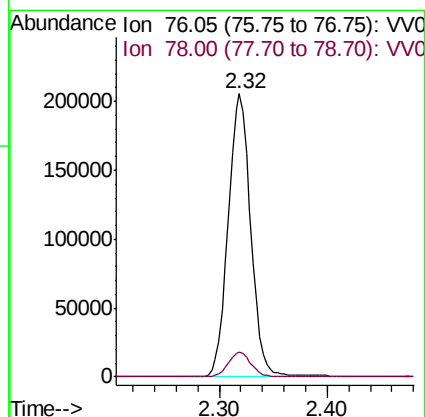
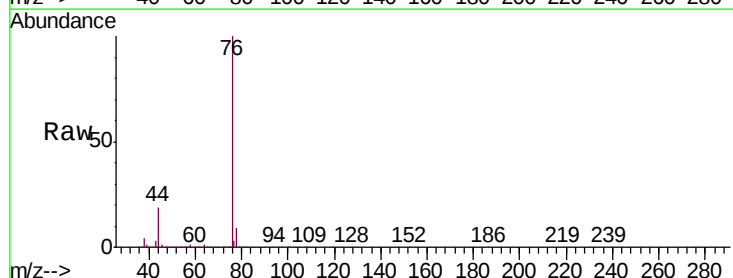
Acq: 02 Sep 2019 21:43

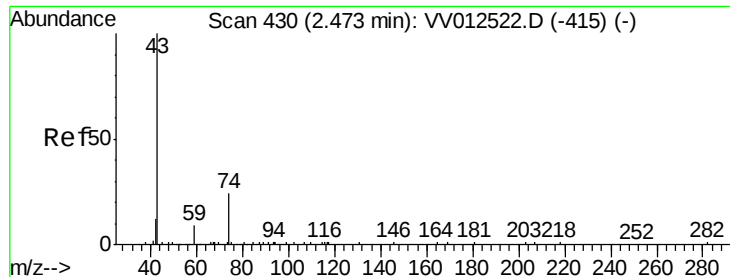
Tgt Ion: 76 Resp: 300193

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

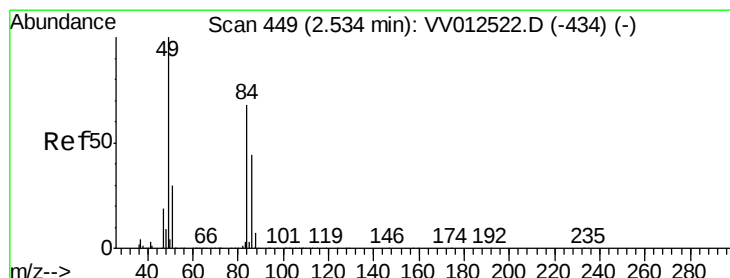
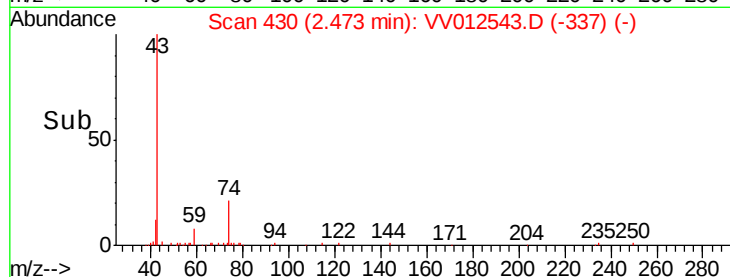
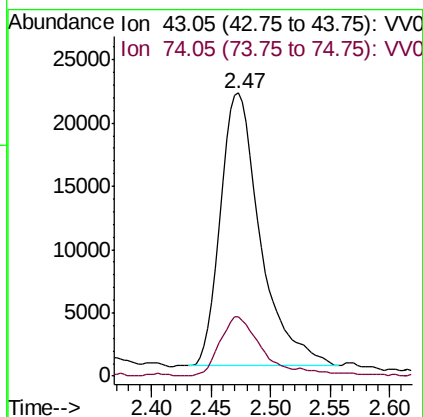
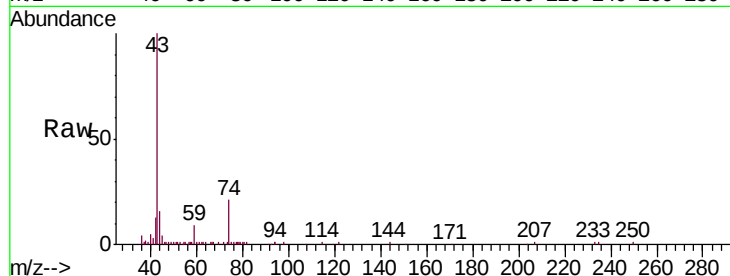




#15
Methyl Acetate
Concen: 5.527 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV012543.D
Acq: 02 Sep 2019 21:43

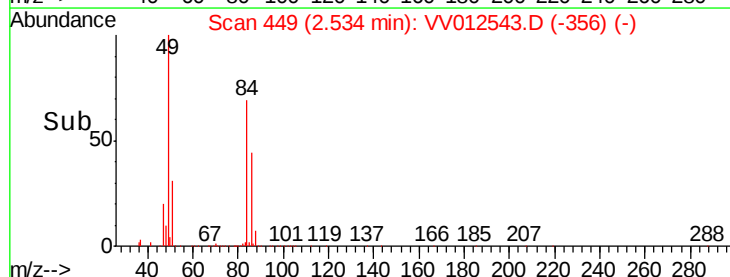
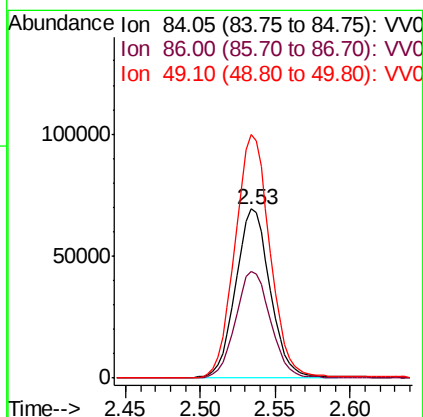
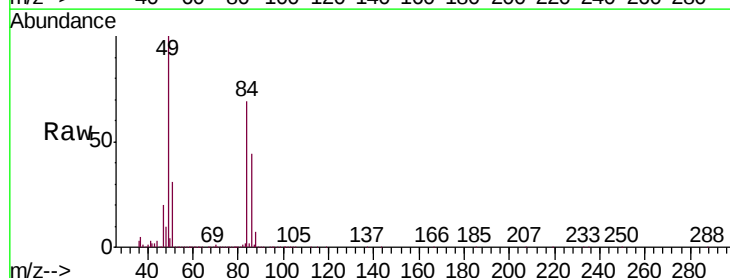
Instrument :
MSVOA_V
ClientSampleId :
VSTD00538

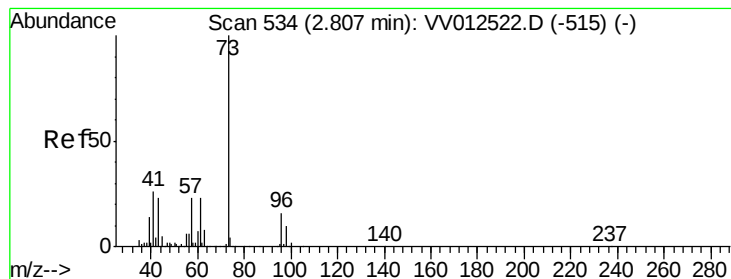
Tgt Ion: 43 Resp: 50220
Ion Ratio Lower Upper
43 100
74 21.8 17.3 25.9



#16
Methylene chloride
Concen: 5.259 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012543.D
Acq: 02 Sep 2019 21:43

Tgt Ion: 84 Resp: 111755
Ion Ratio Lower Upper
84 100
86 63.3 45.2 84.0
49 143.9 100.4 186.4





#17

Methyl tert-butyl Ether

Concen: 5.254 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV012543.D

Acq: 02 Sep 2019 21:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00538

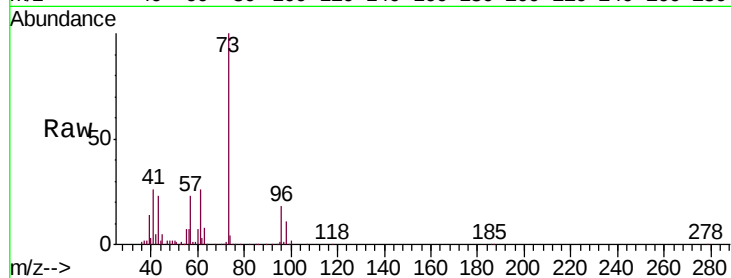
Tgt Ion: 73 Resp: 164802

Ion Ratio Lower Upper

73 100

43 24.0 18.9 28.3

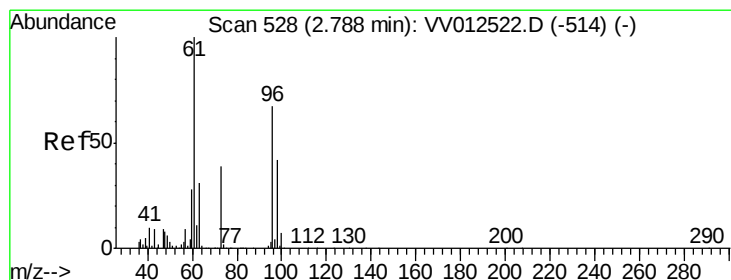
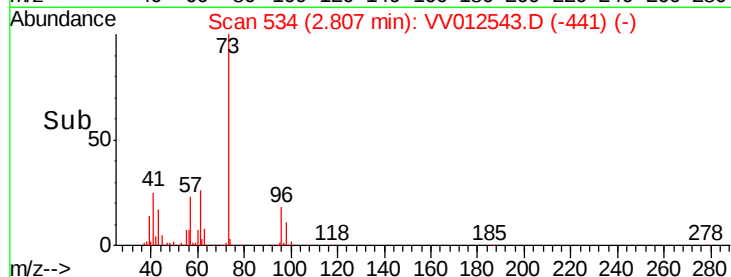
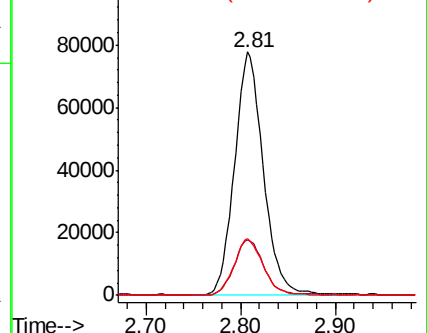
57 23.2 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VV012522.D (-515) (-)

Ion 43.05 (42.75 to 43.75): VV012522.D (-515) (-)

Ion 57.10 (56.80 to 57.80): VV012522.D (-515) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.049 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV012543.D

Acq: 02 Sep 2019 21:43

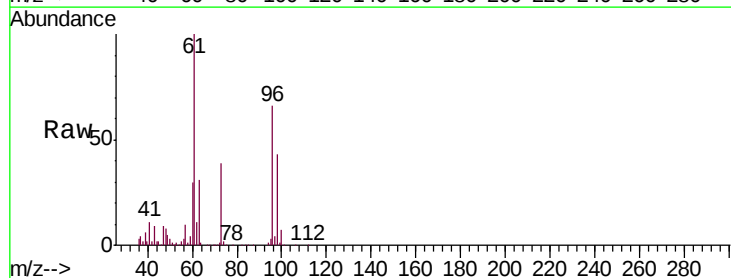
Tgt Ion: 96 Resp: 74541

Ion Ratio Lower Upper

96 100

61 151.8 107.6 199.8

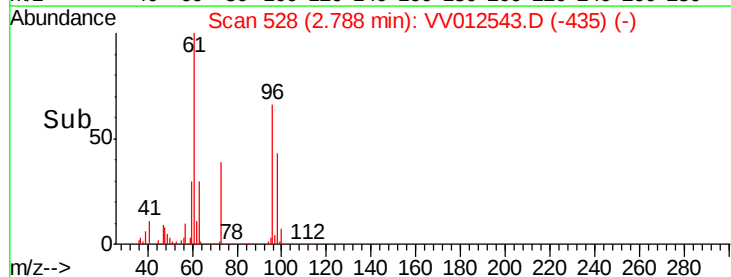
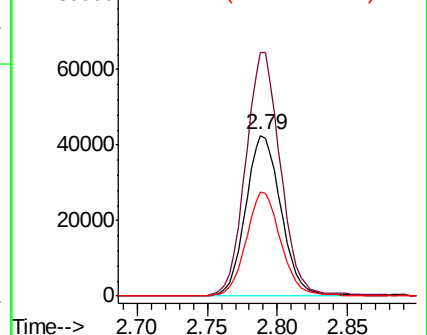
98 64.5 44.4 82.4

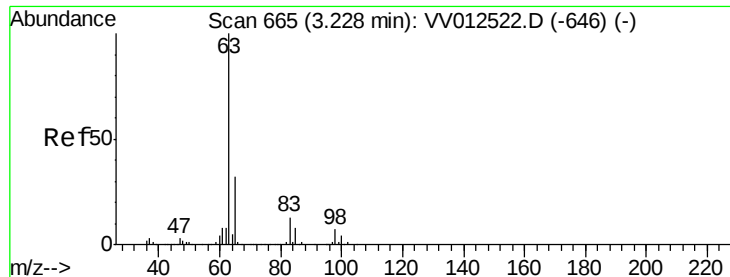


Abundance Ion 96.00 (95.70 to 96.70): VV012522.D (-514) (-)

Ion 61.05 (60.75 to 61.75): VV012522.D (-514) (-)

Ion 97.95 (97.65 to 98.65): VV012522.D (-514) (-)

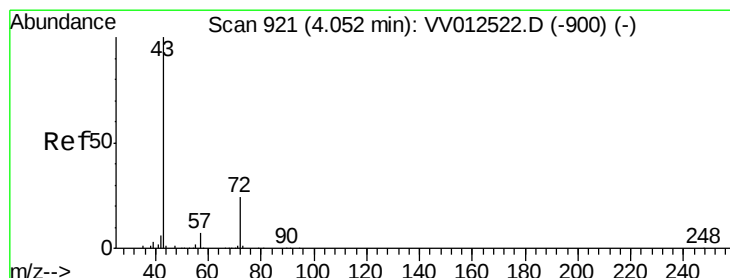
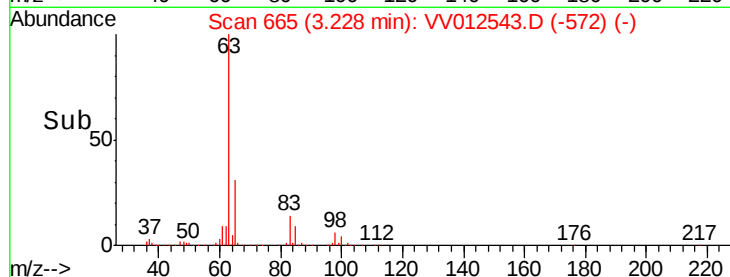
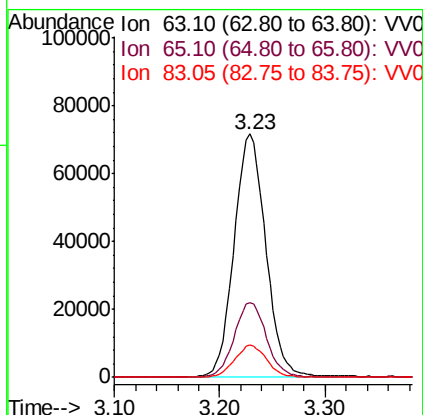
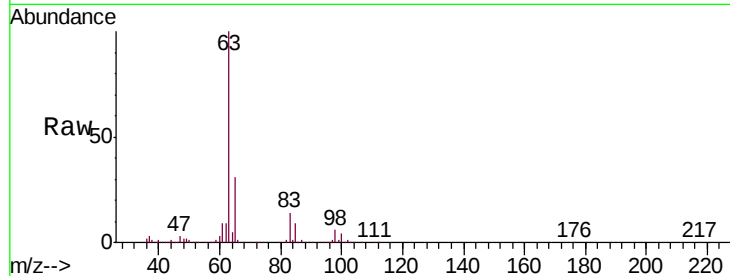




#19
 1,1-Dichloroethane
 Concen: 5.276 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV012543.D
 Acq: 02 Sep 2019 21:43

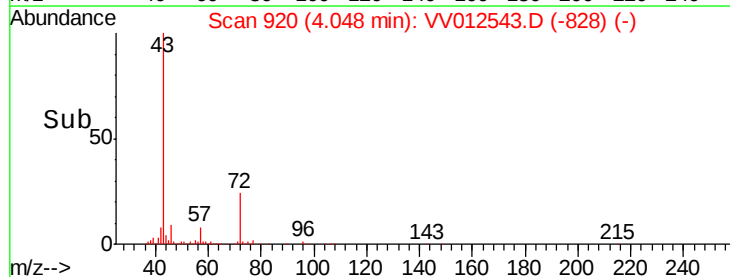
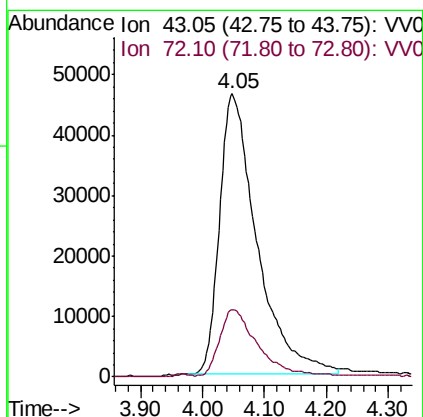
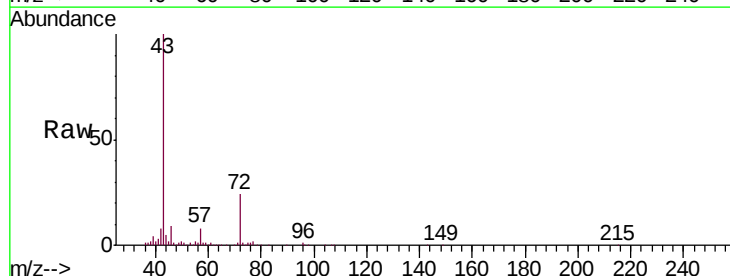
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00538

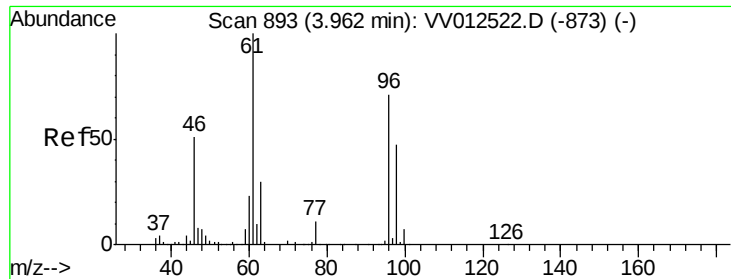
Tgt Ion: 63 Resp: 149927
 Ion Ratio Lower Upper
 63 100
 65 30.9 21.5 39.9
 83 13.5 9.1 16.9



#21
 2-Butanone
 Concen: 54.374 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VV012543.D
 Acq: 02 Sep 2019 21:43

Tgt Ion: 43 Resp: 195050
 Ion Ratio Lower Upper
 43 100
 72 23.8 11.4 34.1



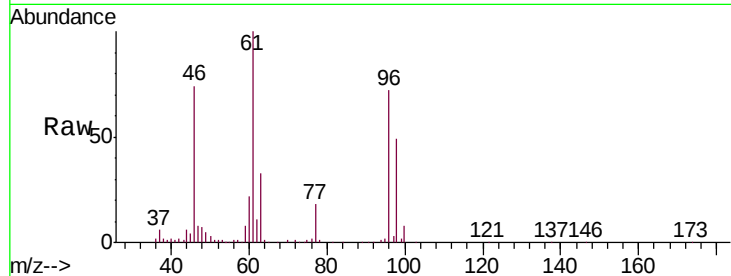


#22

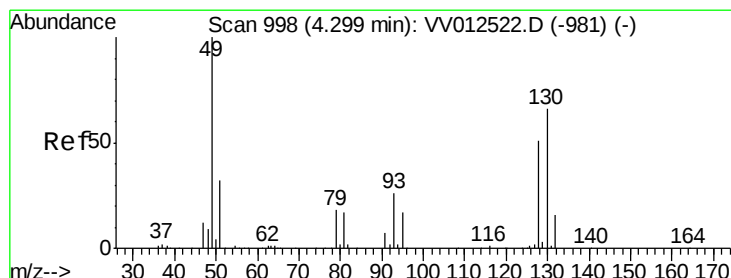
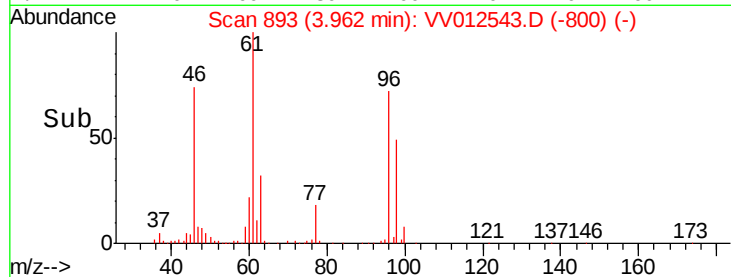
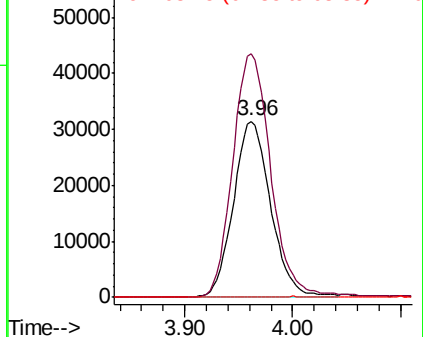
cis-1,2-Dichloroethene
Concen: 4.961 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV012543.D
Acq: 02 Sep 2019 21:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD00538

Tgt Ion: 96 Resp: 75703
Ion Ratio Lower Upper
96 100
61 138.5 97.5 181.1
68 0.0 0.0 0.0



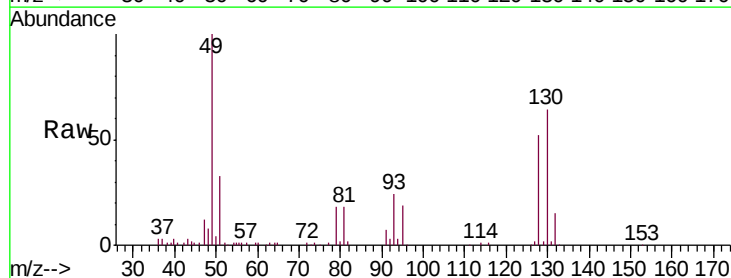
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



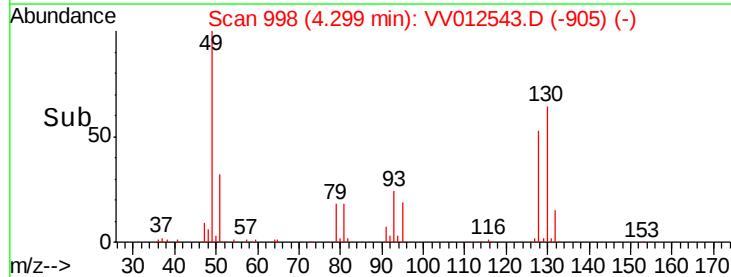
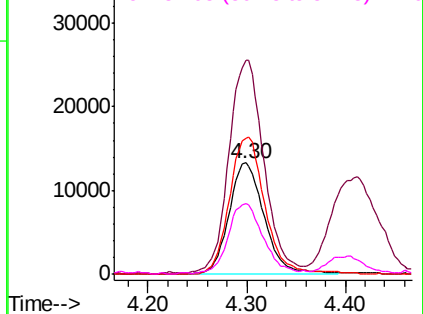
#23

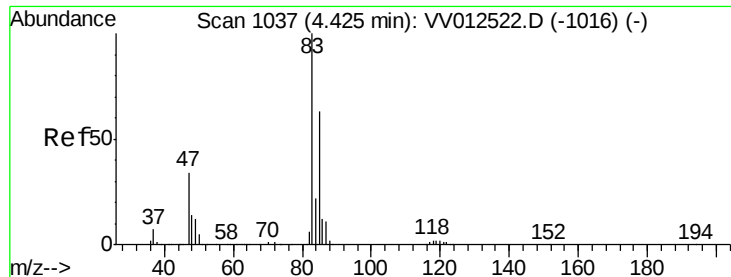
Bromochloromethane
Concen: 5.407 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV012543.D
Acq: 02 Sep 2019 21:43

Tgt Ion: 128 Resp: 32950
Ion Ratio Lower Upper
128 100
49 192.2 136.5 253.5
130 122.6 92.1 171.1
51 63.5 52.5 78.7



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

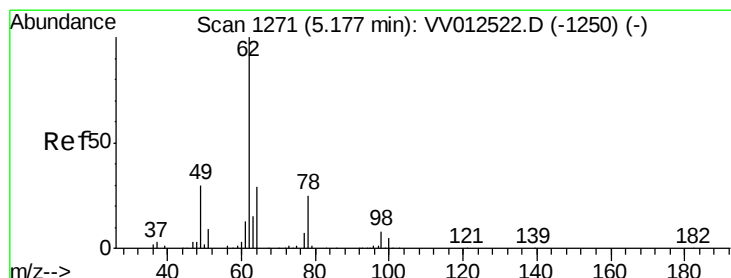
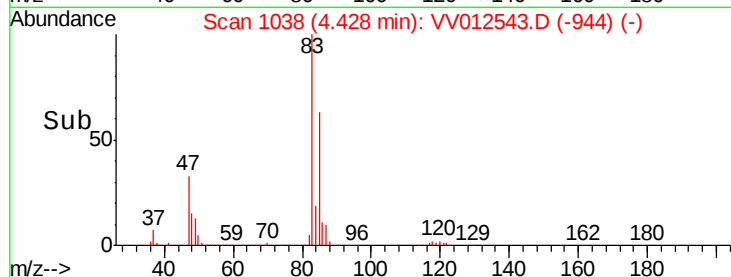
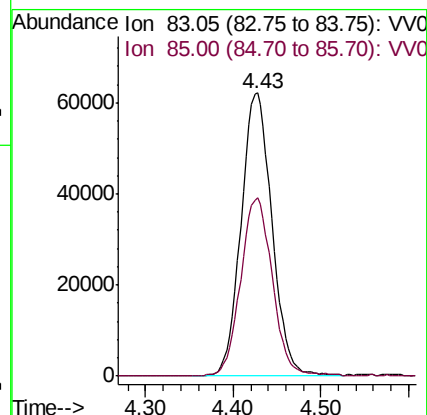
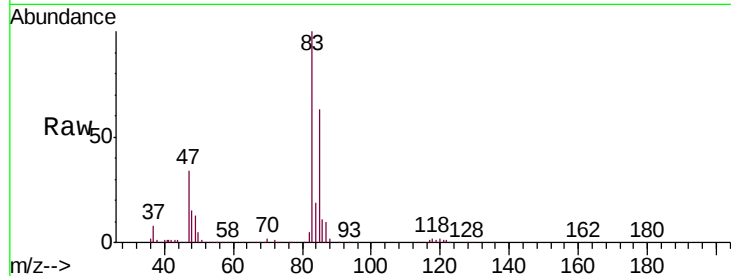




#25
Chloroform
Concen: 5.118 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV012543.D
Acq: 02 Sep 2019 21:43

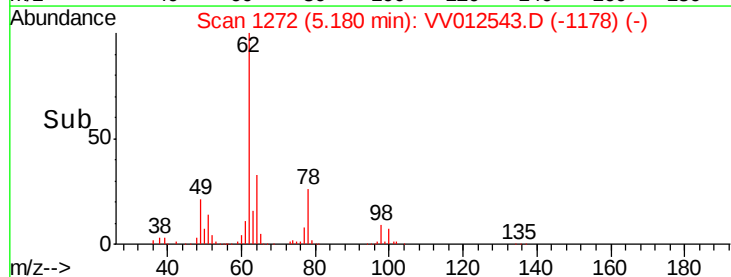
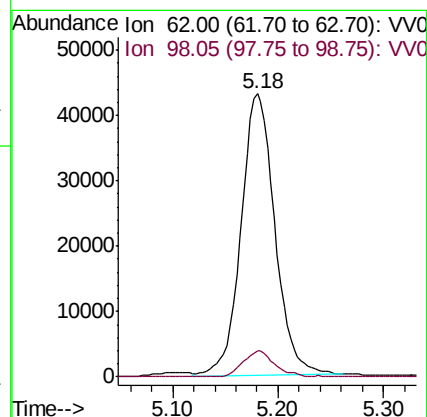
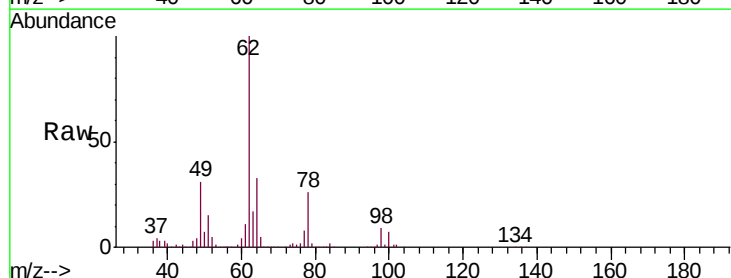
Instrument :
MSVOA_V
ClientSampled :
VSTD00538

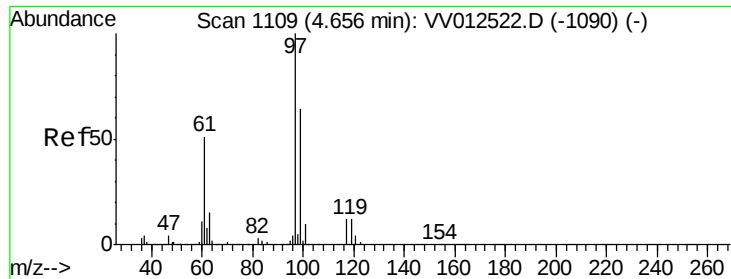
Tgt Ion: 83 Resp: 152409
Ion Ratio Lower Upper
83 100
85 62.9 45.1 83.9



#27
1,2-Dichloroethane
Concen: 5.537 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012543.D
Acq: 02 Sep 2019 21:43

Tgt Ion: 62 Resp: 96012
Ion Ratio Lower Upper
62 100
98 9.2 6.7 10.1

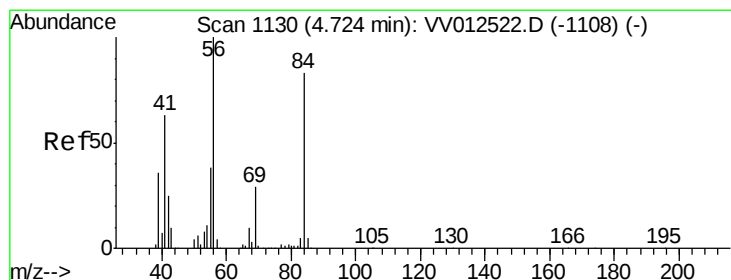
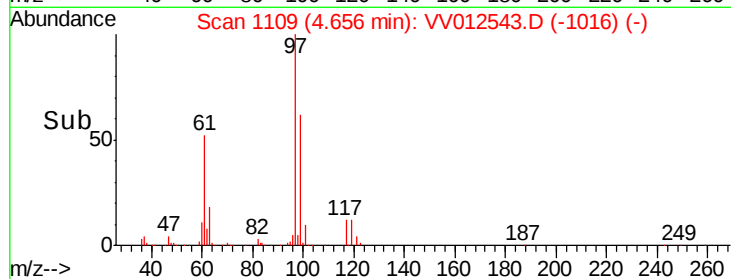
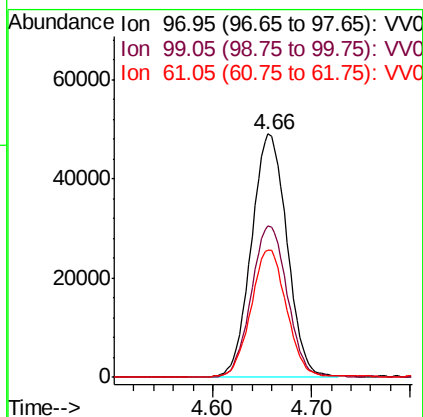
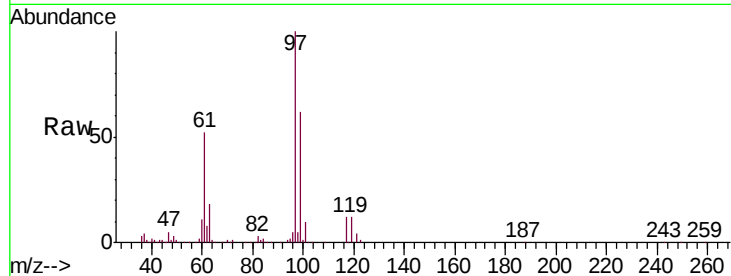




#29
 1,1,1-Trichloroethane
 Concen: 5.133 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV012543.D
 Acq: 02 Sep 2019 21:43

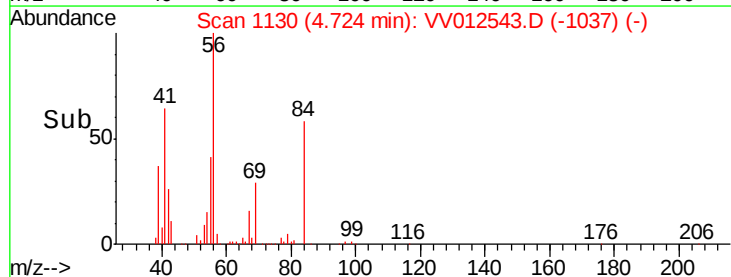
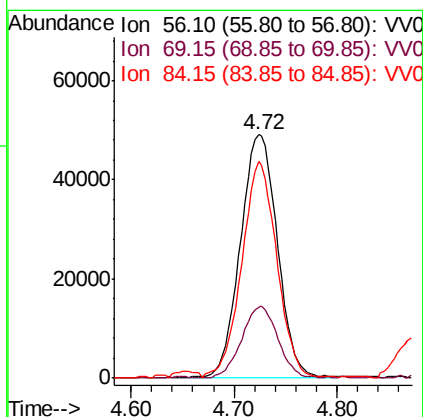
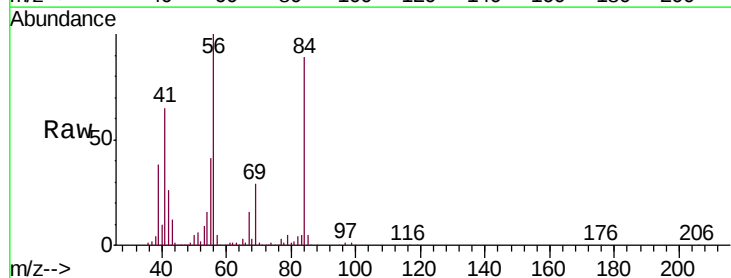
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00538

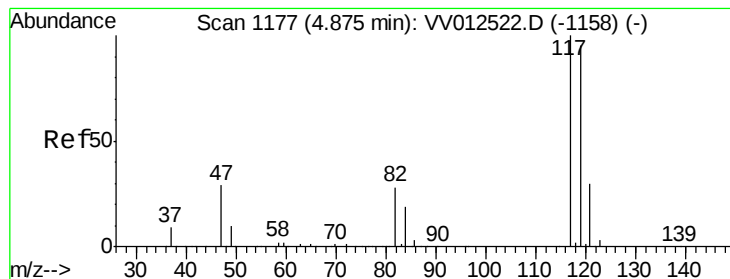
Tgt Ion: 97 Resp: 122171
 Ion Ratio Lower Upper
 97 100
 99 62.7 52.6 79.0
 61 52.3 43.4 65.2



#30
 Cyclohexane
 Concen: 5.010 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV012543.D
 Acq: 02 Sep 2019 21:43

Tgt Ion: 56 Resp: 123022
 Ion Ratio Lower Upper
 56 100
 69 28.6 23.5 35.3
 84 84.3 67.1 100.7





#31

Carbon tetrachloride

Concen: 4.955 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012543.D

Acq: 02 Sep 2019 21:43

Instrument :

MSVOA_V

ClientSampleId :

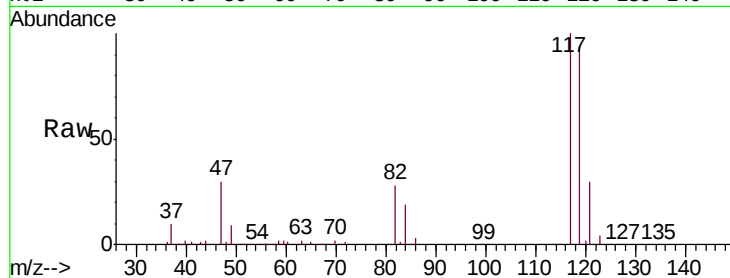
VSTD00538

Tgt Ion:117 Resp: 102533

Ion Ratio Lower Upper

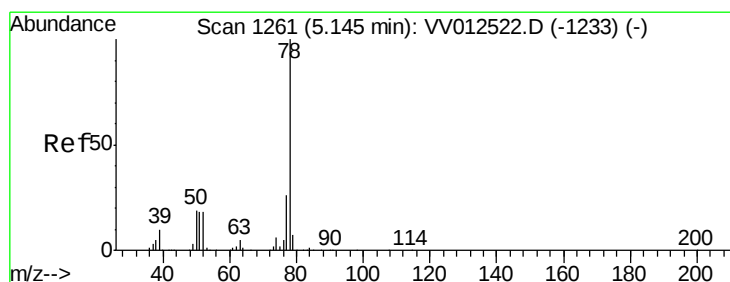
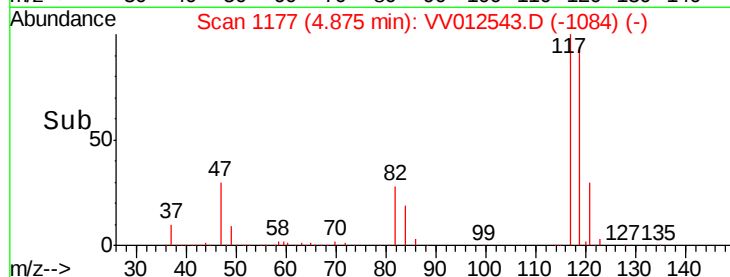
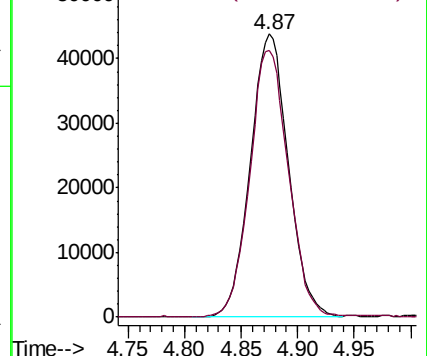
117 100

119 95.8 76.5 114.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.345 ug/L

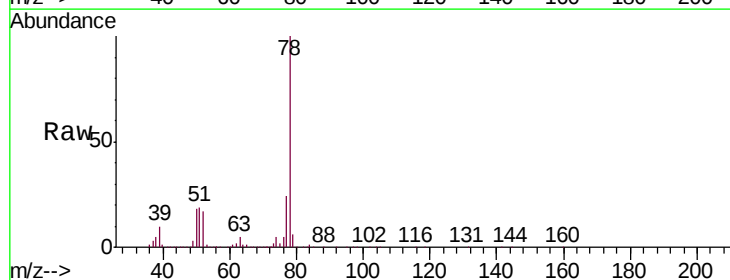
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

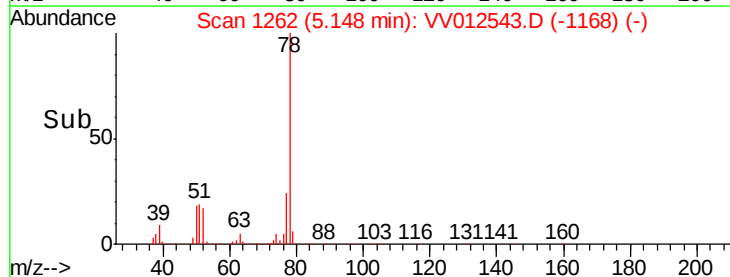
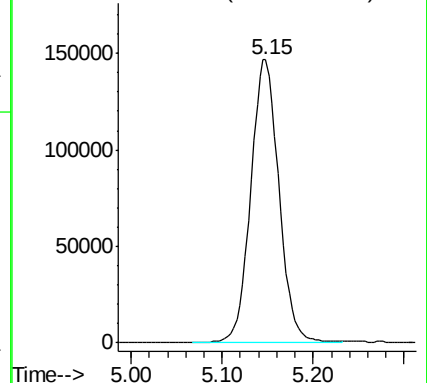
Lab File: VV012543.D

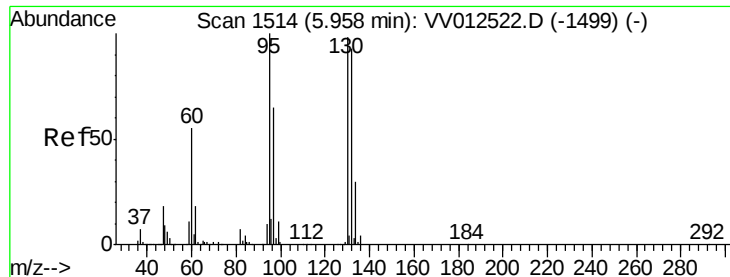
Acq: 02 Sep 2019 21:43

Tgt Ion: 78 Resp: 315173



Abundance Ion 78.10 (77.80 to 78.80): VV0

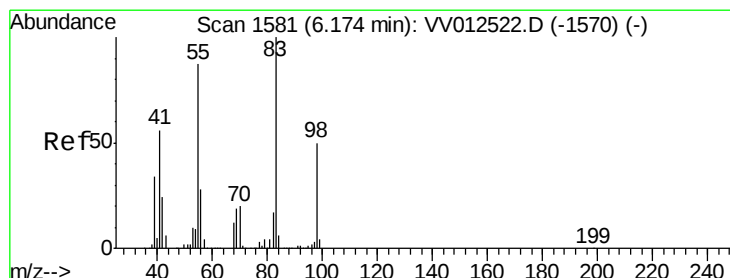
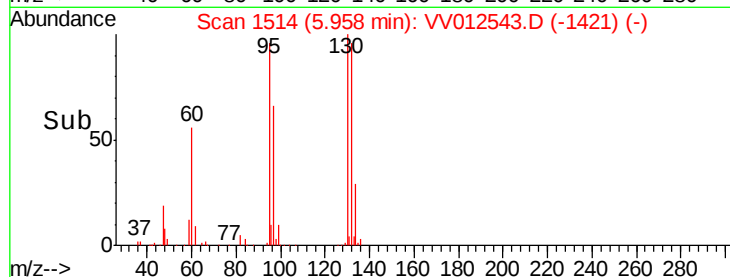
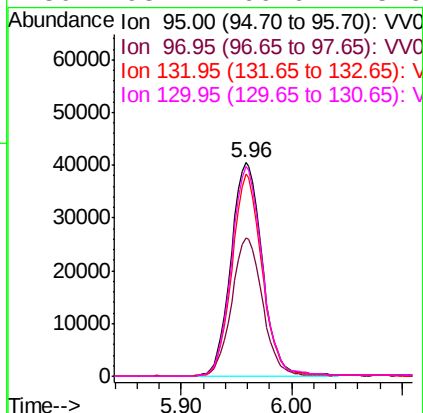
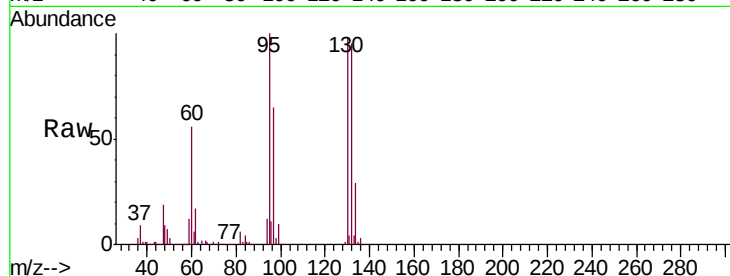




#34
 Trichloroethene
 Concen: 4.911 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012543.D
 Acq: 02 Sep 2019 21:43

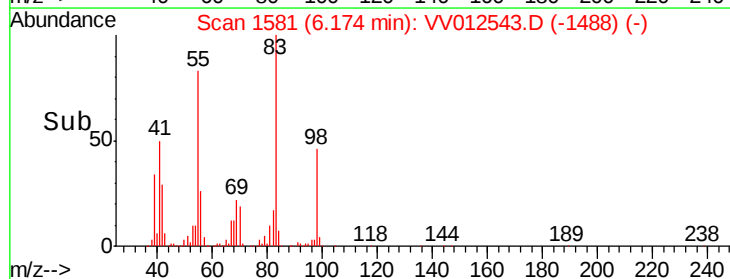
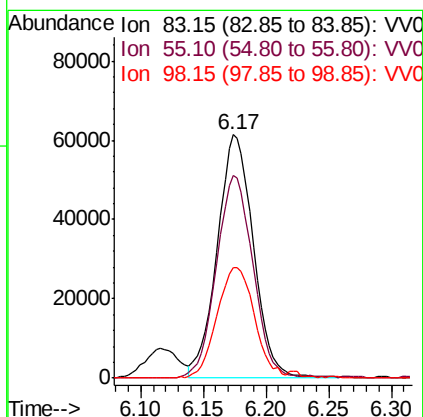
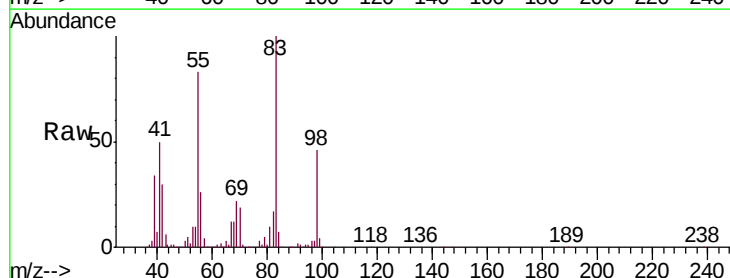
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00538

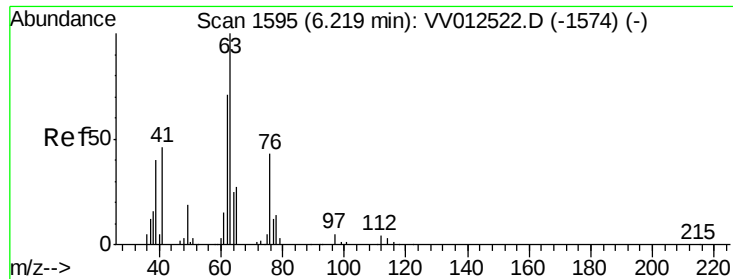
Tgt Ion:	95	Resp:	80245
Ion	Ratio	Lower	Upper
95	100		
97	65.0	44.7	83.1
132	94.6	63.8	118.4
130	98.2	66.6	123.6



#35
 Methylcyclohexane
 Concen: 4.902 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV012543.D
 Acq: 02 Sep 2019 21:43

Tgt Ion:	83	Resp:	121728
Ion	Ratio	Lower	Upper
83	100		
55	84.3	67.3	100.9
98	46.9	37.4	56.2

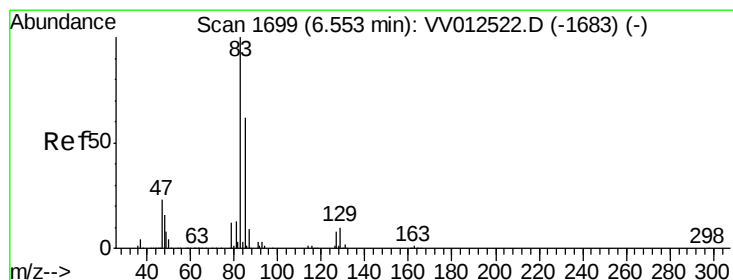
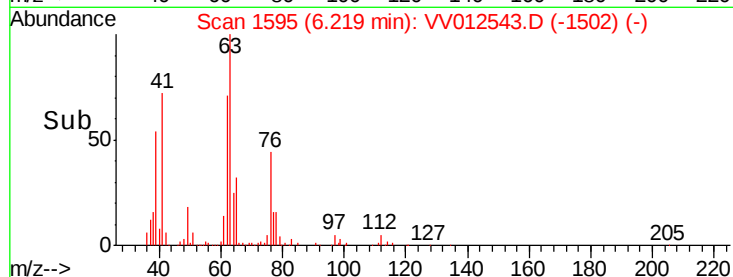
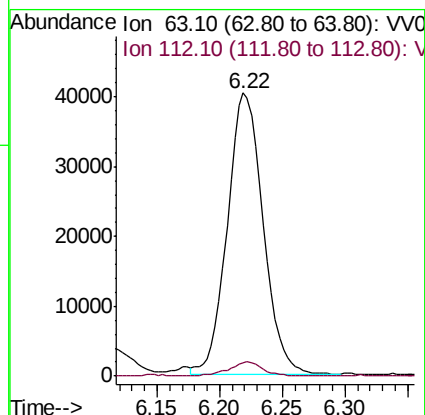
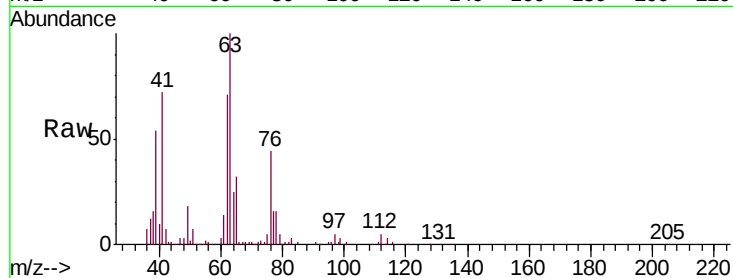




#37
 1,2-Dichloropropane
 Concen: 5.072 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012543.D
 Acq: 02 Sep 2019 21:43

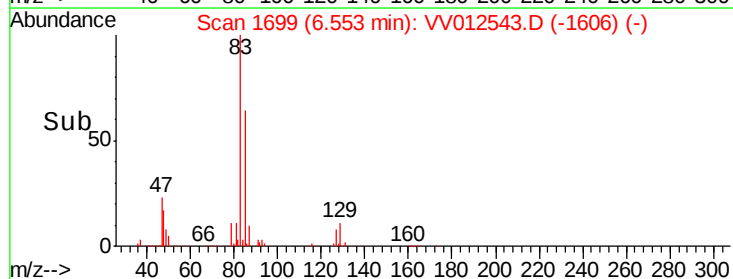
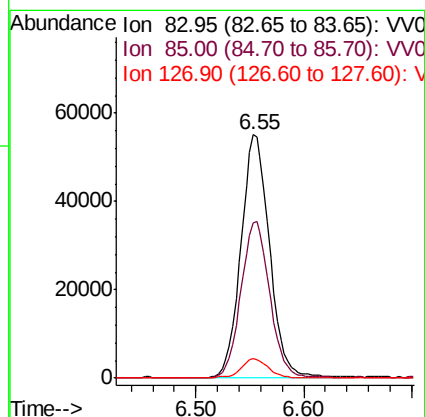
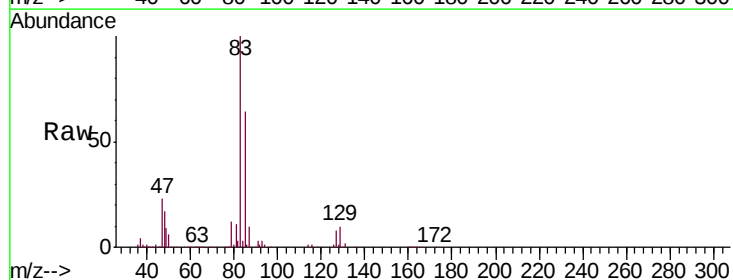
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00538

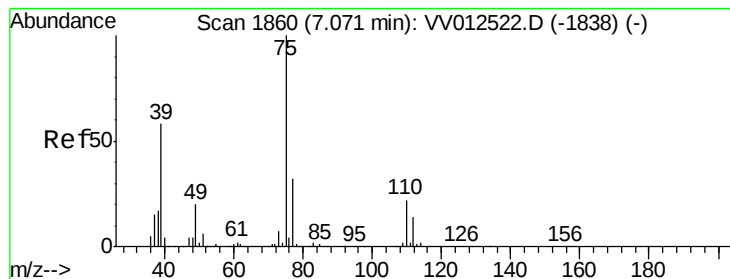
Tgt Ion: 63 Resp: 80037
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.121 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012543.D
 Acq: 02 Sep 2019 21:43

Tgt Ion: 83 Resp: 102166
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.2 82.0
 127 8.0 6.2 9.2



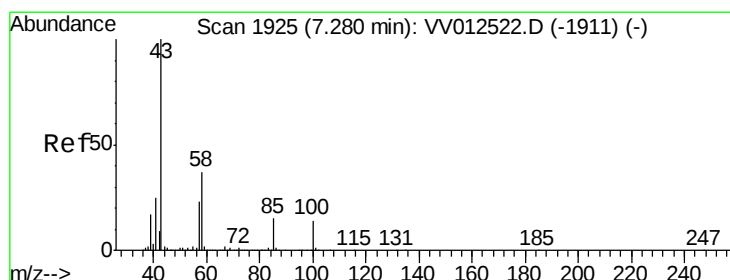
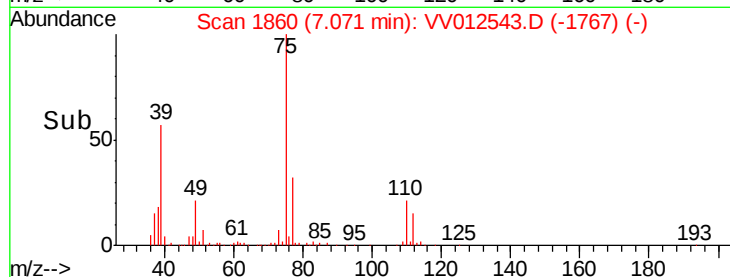
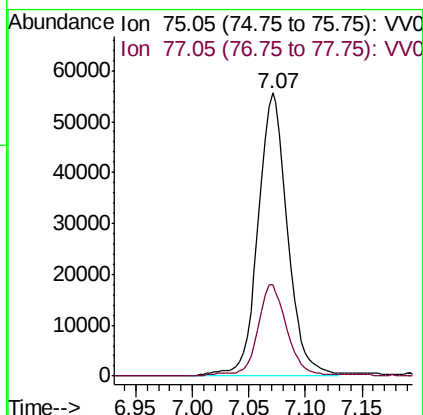
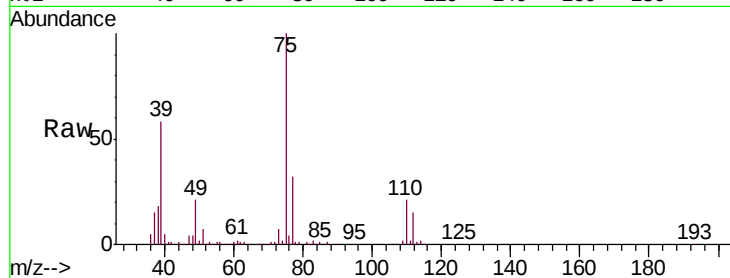


#39

cis-1,3-Dichloropropene
 Concen: 4.920 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012543.D
 Acq: 02 Sep 2019 21:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00538

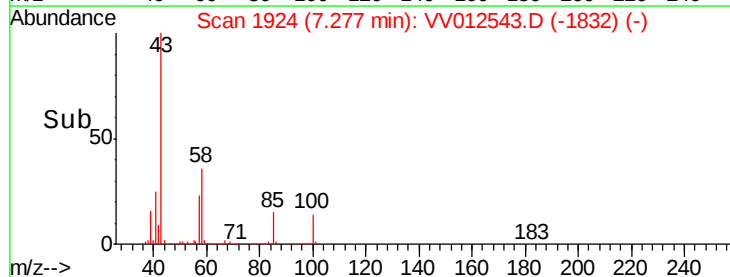
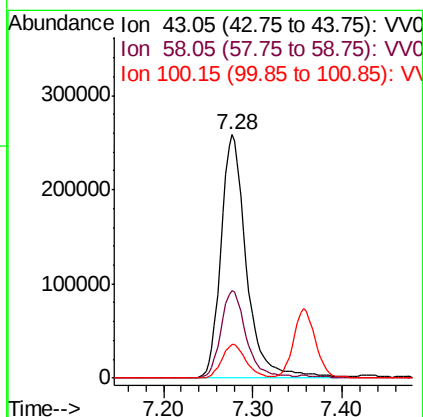
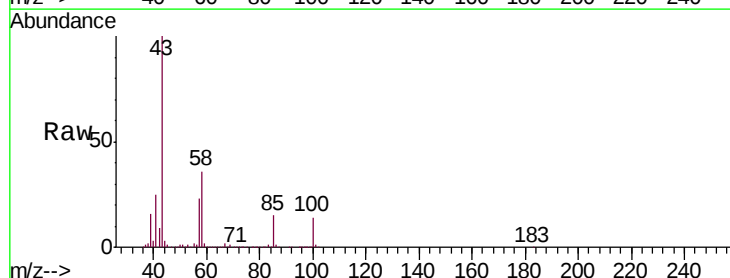
Tgt Ion: 75 Resp: 100963
 Ion Ratio Lower Upper
 75 100
 77 32.2 21.6 40.0

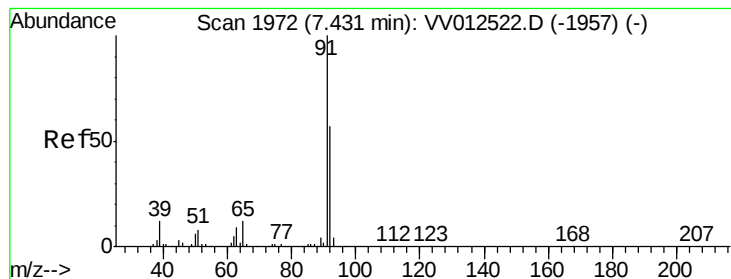


#40

4-Methyl-2-pentanone
 Concen: 55.849 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV012543.D
 Acq: 02 Sep 2019 21:43

Tgt Ion: 43 Resp: 512007
 Ion Ratio Lower Upper
 43 100
 58 35.6 28.2 42.2
 100 13.1 9.9 14.9





#42

Toluene

Concen: 5.352 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012543.D

Acq: 02 Sep 2019 21:43

Instrument :

MSVOA_V

ClientSampleId :

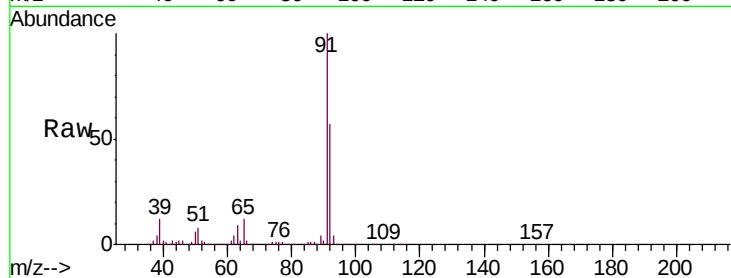
VSTD00538

Tgt Ion: 91 Resp: 343059

Ion Ratio Lower Upper

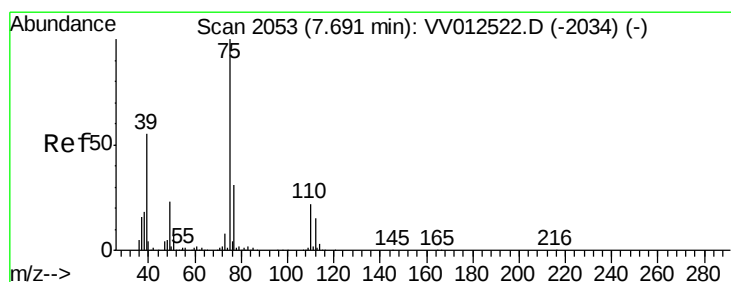
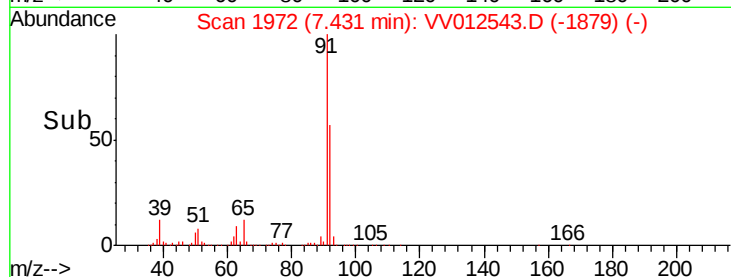
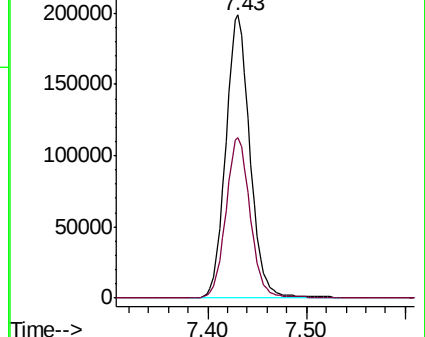
91 100

92 56.9 39.6 73.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.033 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012543.D

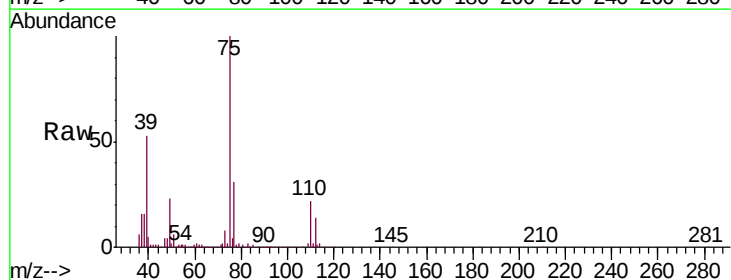
Acq: 02 Sep 2019 21:43

Tgt Ion: 75 Resp: 81842

Ion Ratio Lower Upper

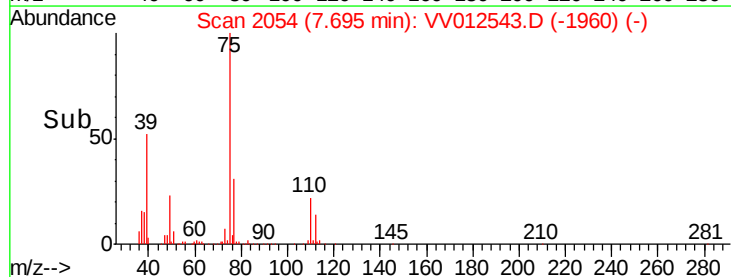
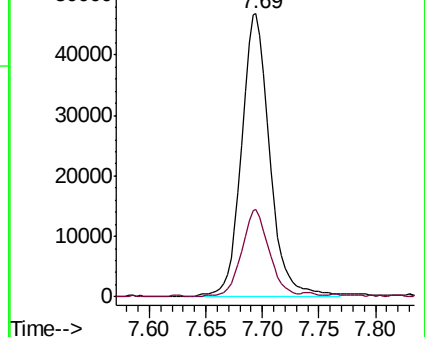
75 100

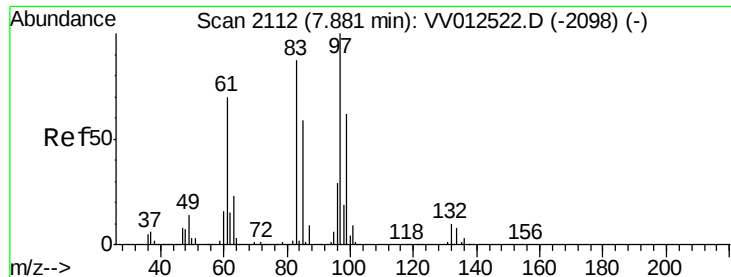
77 31.0 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

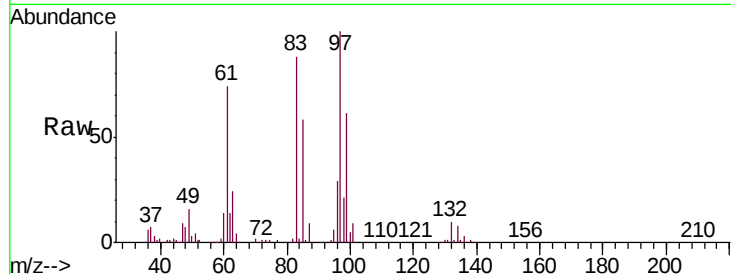




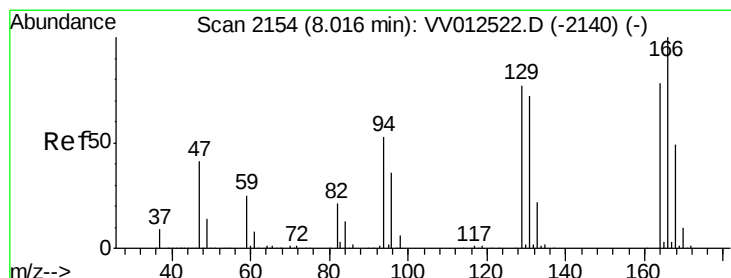
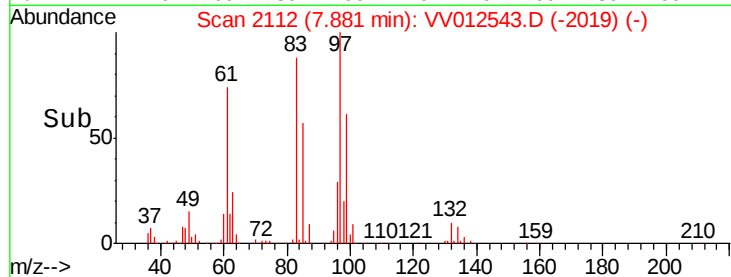
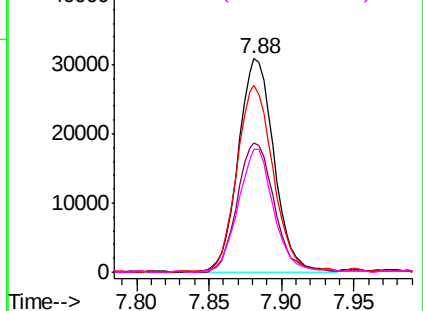
#45
 1,1,2-Trichloroethane
 Concen: 5.329 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012543.D
 Acq: 02 Sep 2019 21:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00538

Tgt Ion:	97	Resp:	53161
Ion	Ratio	Lower	Upper
97	100		
99	60.6	44.1	81.9
83	87.6	62.7	116.5
85	57.6	42.6	79.0

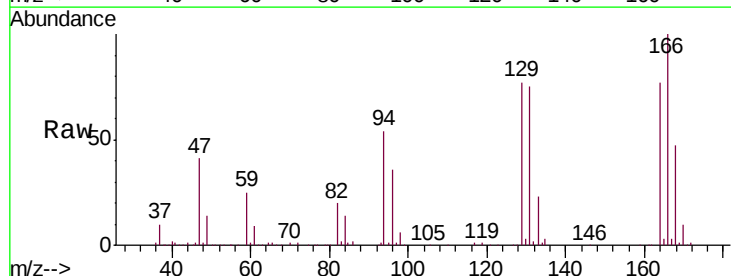


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

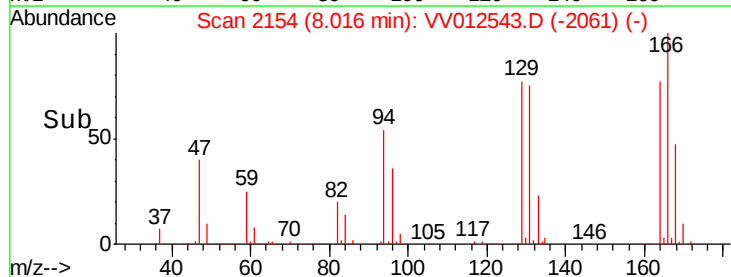
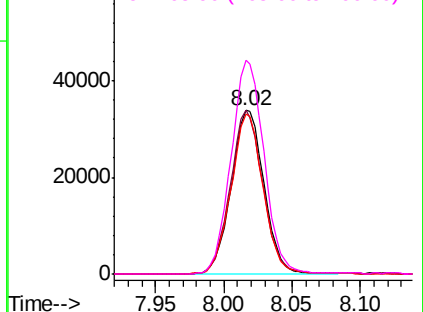


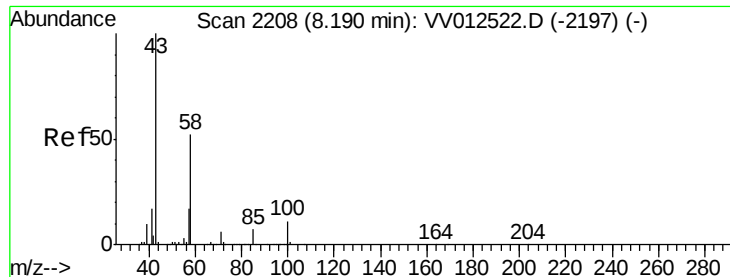
#47
 Tetrachloroethene
 Concen: 4.797 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012543.D
 Acq: 02 Sep 2019 21:43

Tgt Ion:	164	Resp:	56632
Ion	Ratio	Lower	Upper
164	100		
129	100.1	64.5	119.9
131	98.1	62.3	115.7
166	130.7	86.5	160.6



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

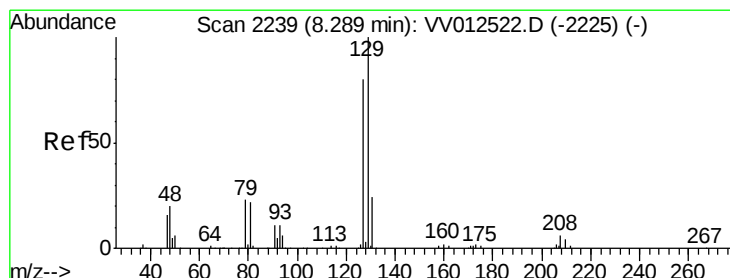
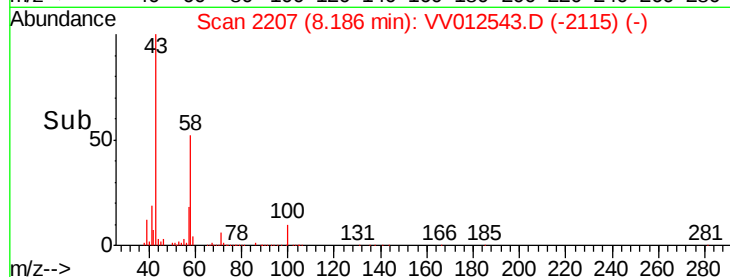
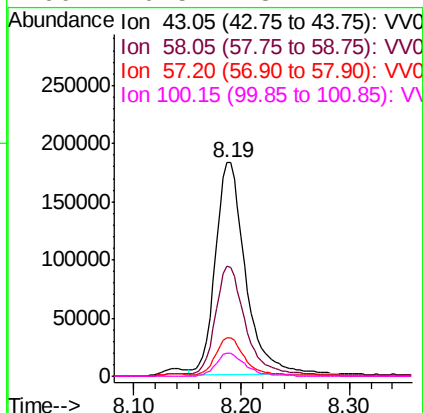
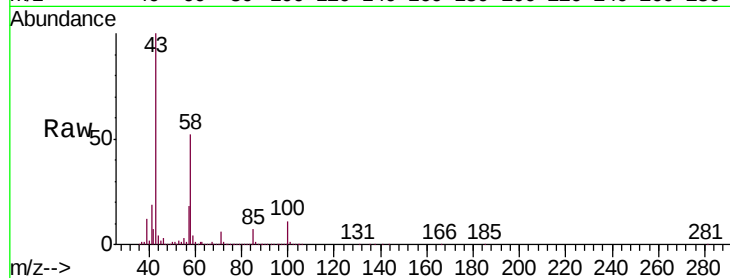




#48
2-Hexanone
Concen: 55.020 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV012543.D
Acq: 02 Sep 2019 21:43

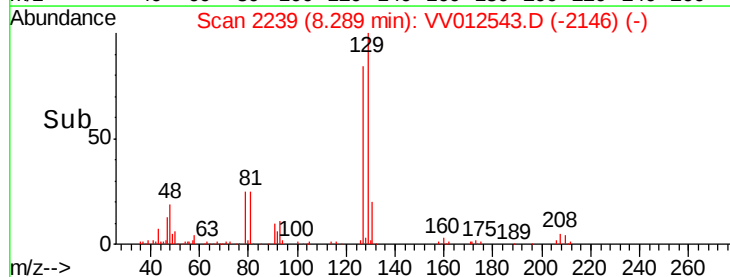
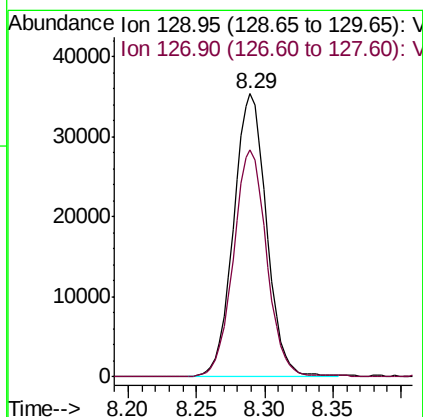
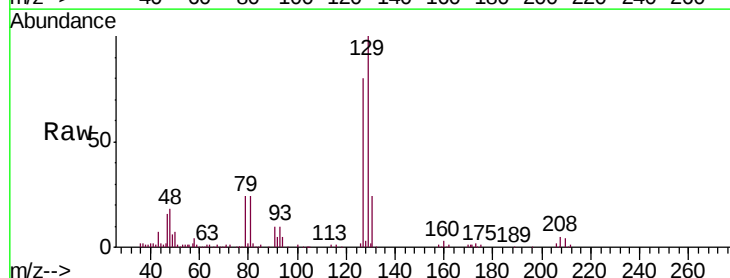
Instrument :
MSVOA_V
ClientSampled :
VSTD00538

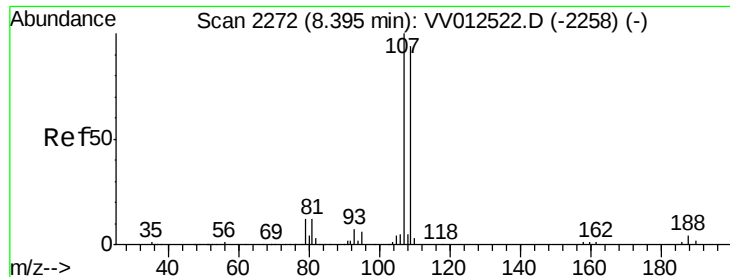
Tgt Ion:	43	Resp:	353489
Ion	Ratio	Lower	Upper
43	100		
58	52.9	40.0	60.0
57	17.5	13.4	20.2
100	10.5	8.2	12.2



#49
Dibromochloromethane
Concen: 5.115 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012543.D
Acq: 02 Sep 2019 21:43

Tgt Ion:	129	Resp:	59410
Ion	Ratio	Lower	Upper
129	100		
127	80.0	54.9	102.1

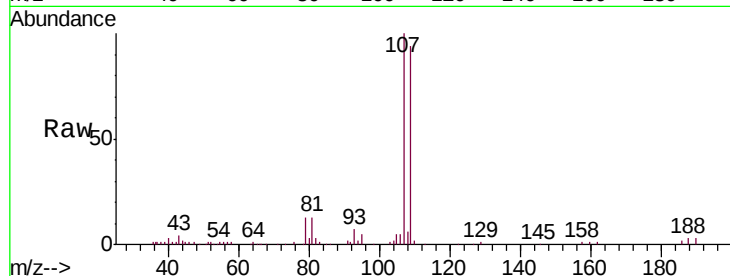




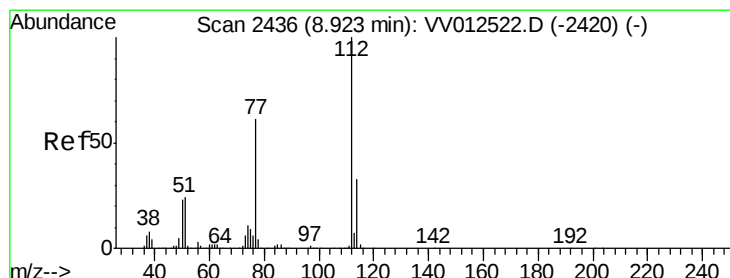
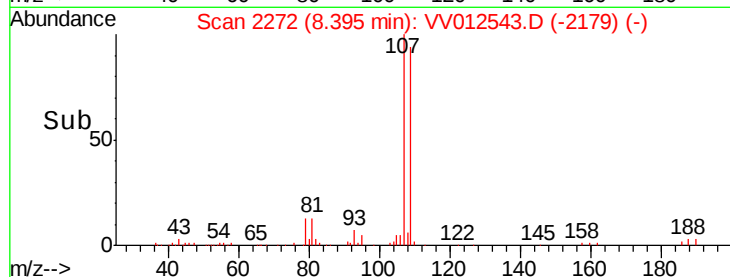
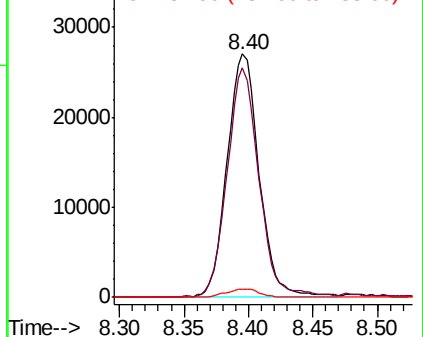
#50
 1,2-Dibromoethane
 Concen: 5.264 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV012543.D
 Acq: 02 Sep 2019 21:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00538

Tgt Ion:107 Resp: 46863
 Ion Ratio Lower Upper
 107 100
 109 94.0 67.8 125.8
 188 3.4 3.2 4.8

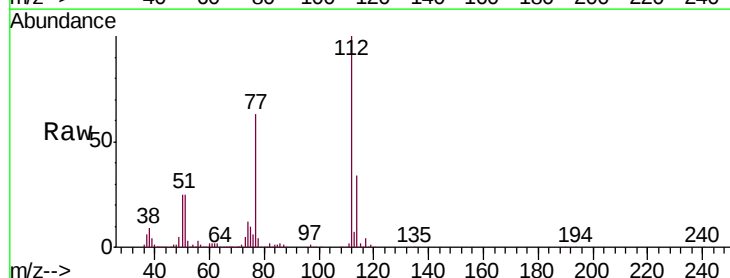


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

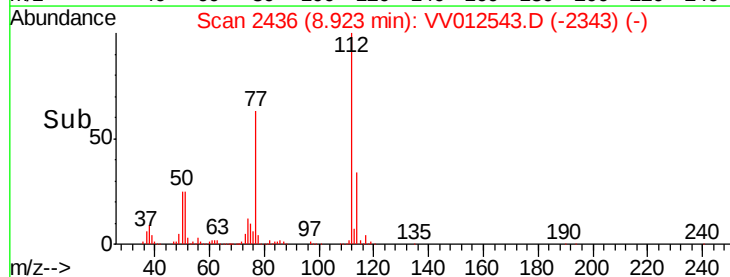
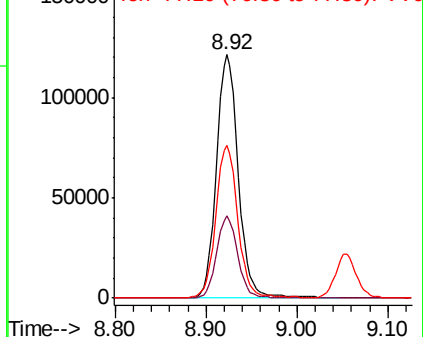


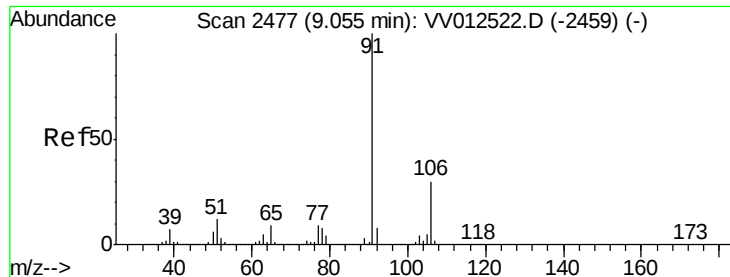
#51
 Chlorobenzene
 Concen: 5.028 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012543.D
 Acq: 02 Sep 2019 21:43

Tgt Ion:112 Resp: 202452
 Ion Ratio Lower Upper
 112 100
 114 33.6 23.0 42.6
 77 62.6 50.4 75.6



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.207 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012543.D

Acq: 02 Sep 2019 21:43

Instrument :

MSVOA_V

ClientSampleId :

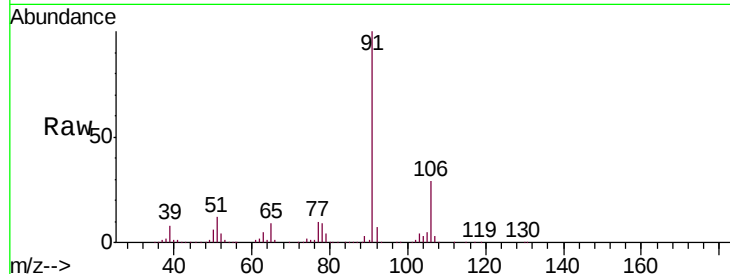
VSTD00538

Tgt Ion: 91 Resp: 364105

Ion Ratio Lower Upper

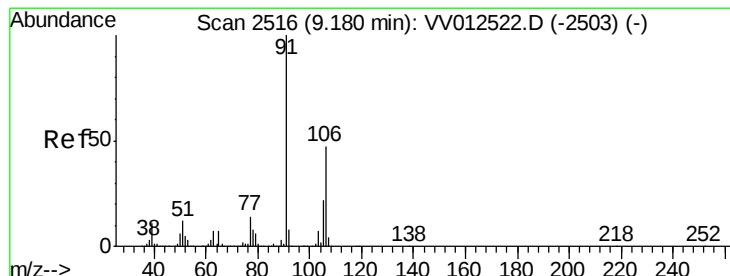
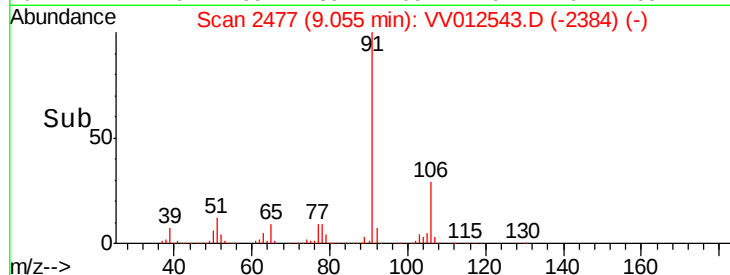
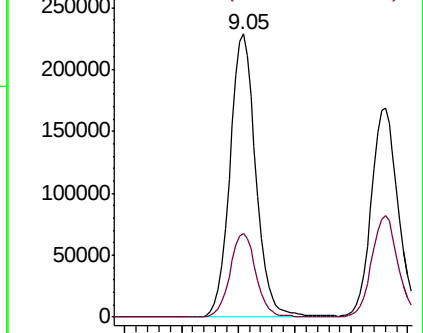
91 100

106 29.4 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-xylene

Concen: 5.224 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012543.D

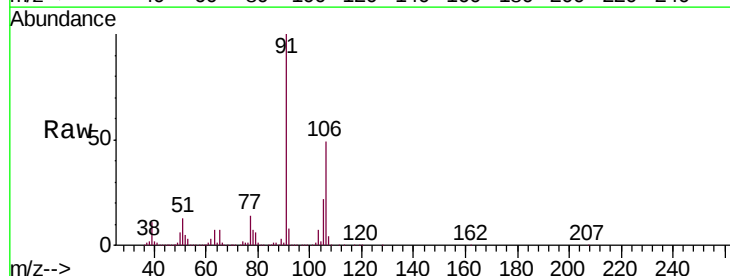
Acq: 02 Sep 2019 21:43

Tgt Ion: 106 Resp: 132489

Ion Ratio Lower Upper

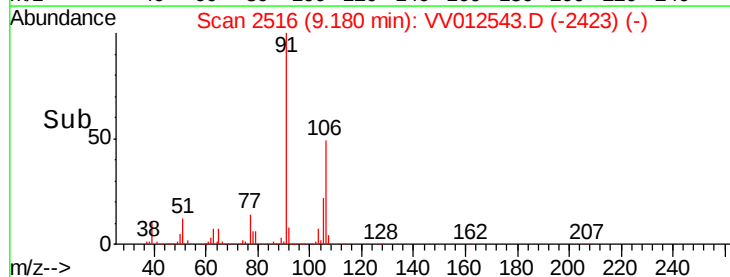
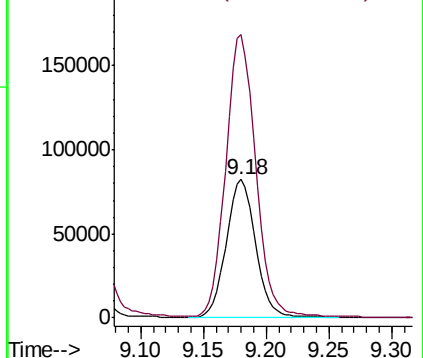
106 100

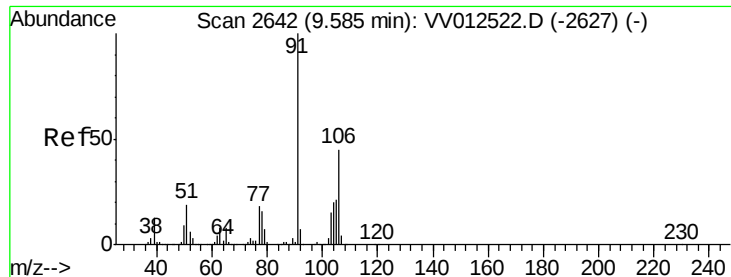
91 204.8 145.8 270.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#54

o-xylene

Concen: 5.278 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012543.D

Acq: 02 Sep 2019 21:43

Instrument :

MSVOA_V

ClientSampleId :

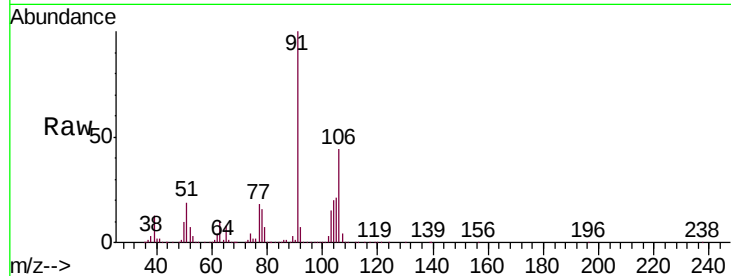
VSTD00538

Tgt Ion:106 Resp: 126300

Ion Ratio Lower Upper

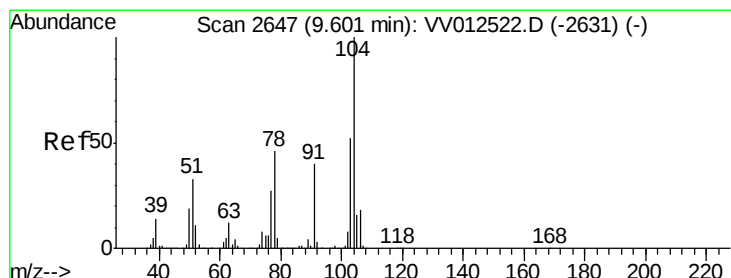
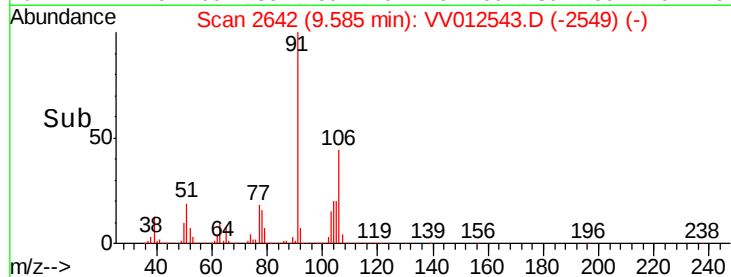
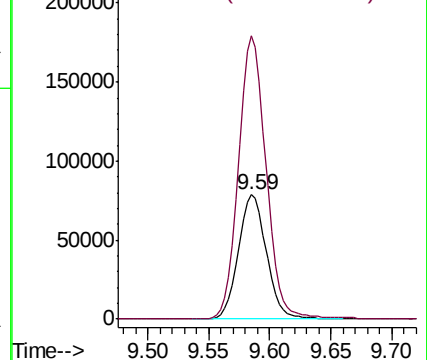
106 100

91 227.3 159.5 296.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.483 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012543.D

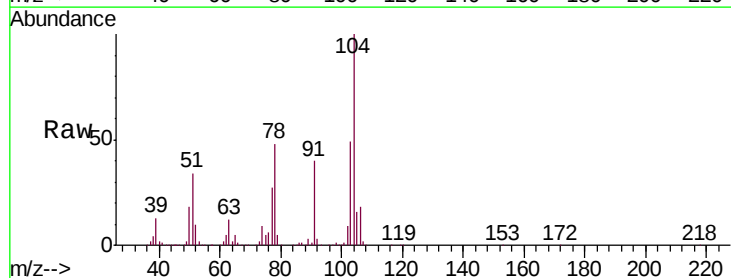
Acq: 02 Sep 2019 21:43

Tgt Ion:104 Resp: 223220

Ion Ratio Lower Upper

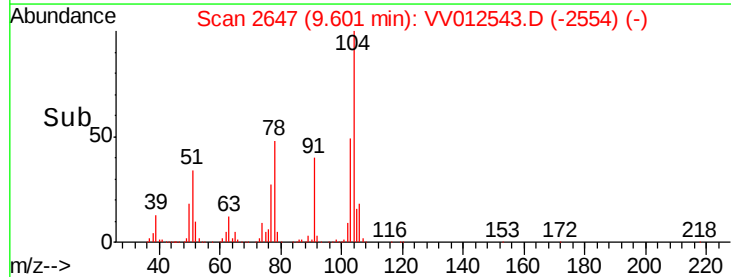
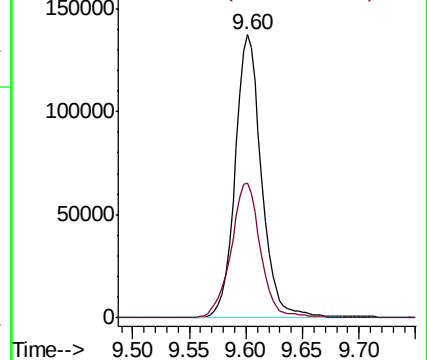
104 100

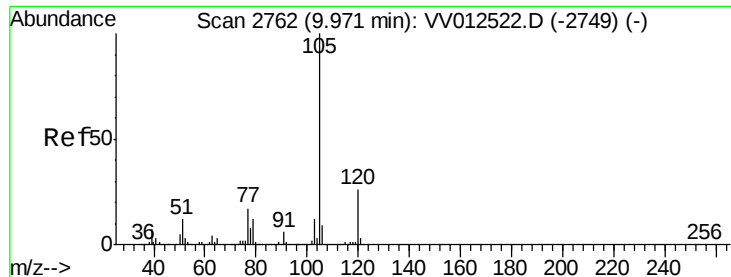
78 47.6 32.3 60.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.241 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012543.D

Acq: 02 Sep 2019 21:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00538

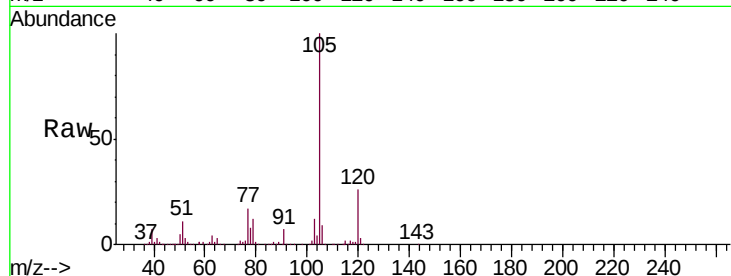
Tgt Ion: 105 Resp: 347118

Ion Ratio Lower Upper

105 100

120 25.2 20.9 31.3

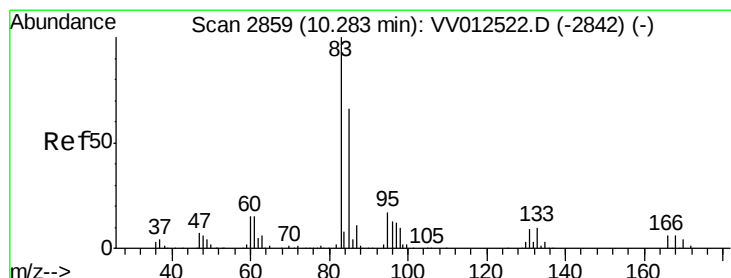
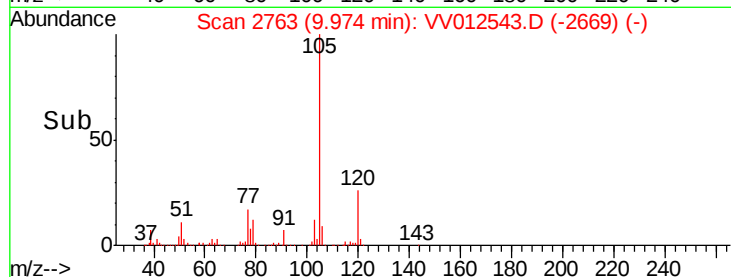
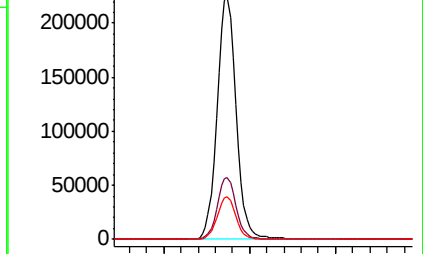
77 17.2 13.5 20.3



Abundance Ion 105.05 (104.75 to 105.75): VV012522.D (-2749) (-)

Ion 120.10 (119.80 to 120.80): VV012522.D (-2749) (-)

Ion 77.10 (76.80 to 77.80): VV012522.D (-2749) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 5.416 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012543.D

Acq: 02 Sep 2019 21:43

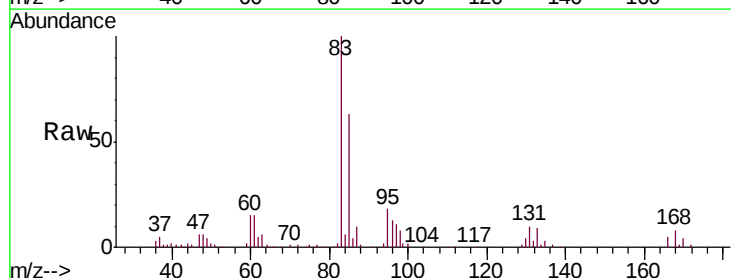
Tgt Ion: 83 Resp: 60805

Ion Ratio Lower Upper

83 100

85 63.5 43.8 81.4

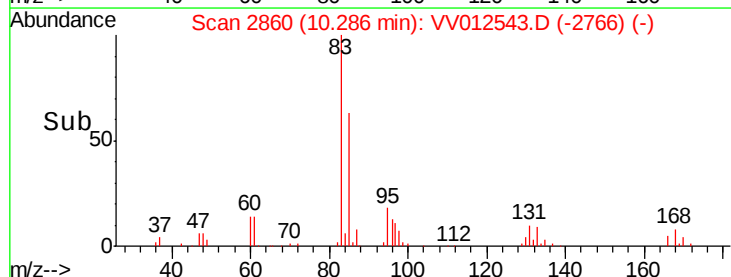
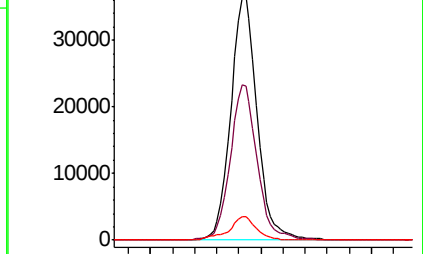
131 9.8 6.6 10.0

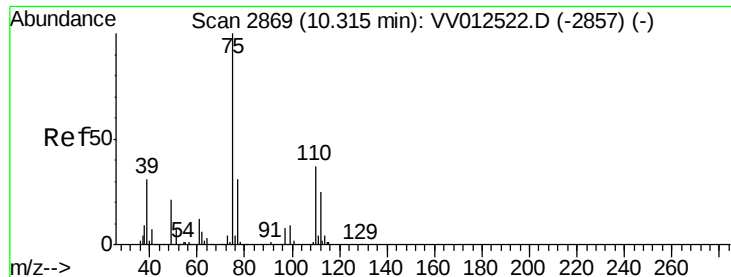


Abundance Ion 82.95 (82.65 to 83.65): VV012522.D (-2842) (-)

Ion 85.00 (84.70 to 85.70): VV012522.D (-2842) (-)

Ion 130.95 (130.65 to 131.65): VV012522.D (-2842) (-)





#59

1,2,3-Trichloropropane

Concen: 5.206 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012543.D

Acq: 02 Sep 2019 21:43

Instrument :

MSVOA_V

ClientSampleId :

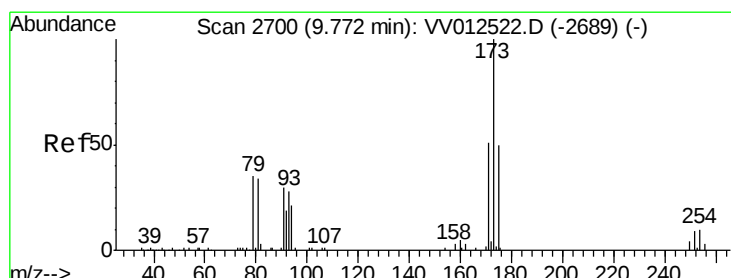
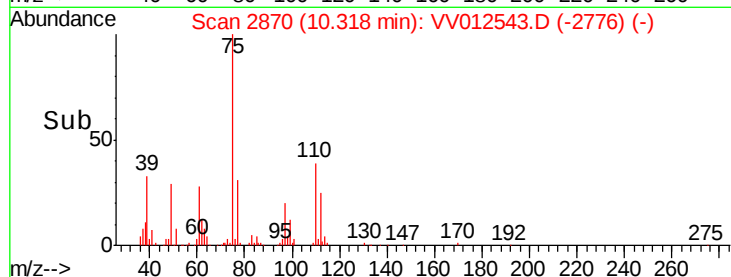
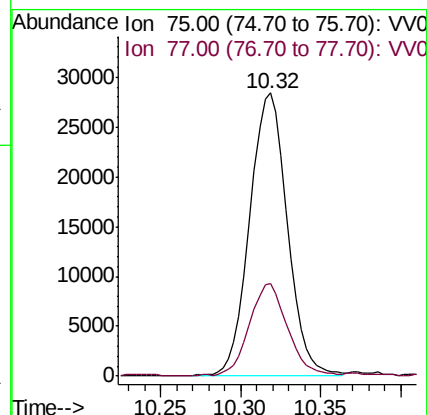
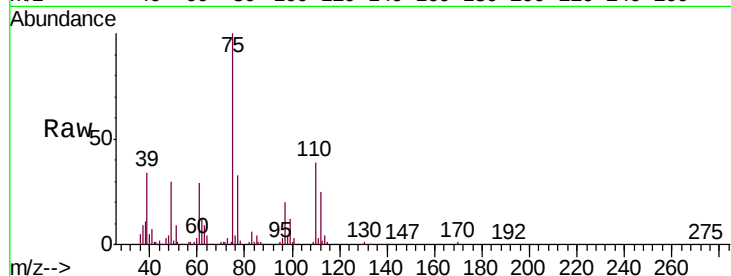
VSTD00538

Tgt Ion: 75 Resp: 45782

Ion Ratio Lower Upper

75 100

77 33.2 26.7 40.1



#61

Bromoform

Concen: 4.993 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012543.D

Acq: 02 Sep 2019 21:43

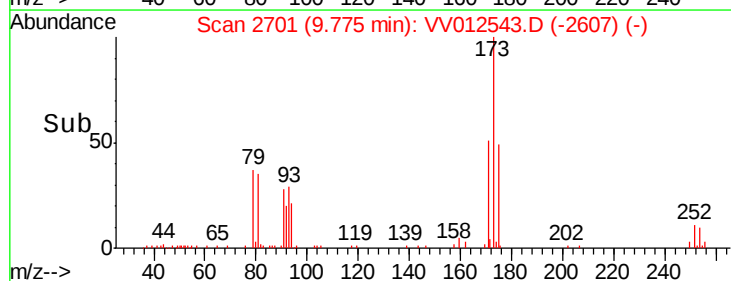
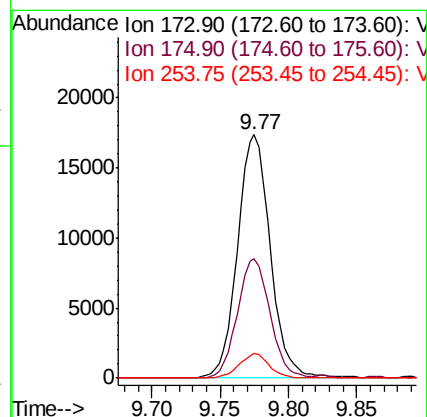
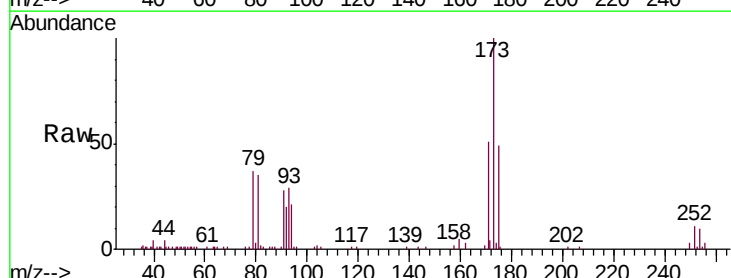
Tgt Ion: 173 Resp: 29006

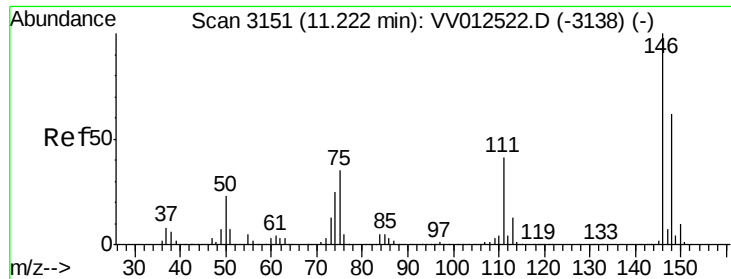
Ion Ratio Lower Upper

173 100

175 48.8 39.1 58.7

254 9.1 7.4 11.2





#62

1,3-Dichlorobenzene

Concen: 4.957 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV012543.D

Acq: 02 Sep 2019 21:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00538

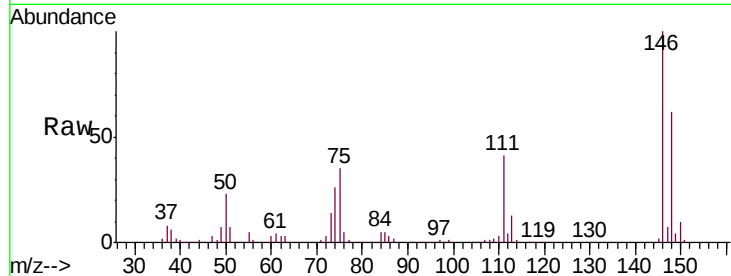
Tgt Ion:146 Resp: 152968

Ion Ratio Lower Upper

146 100

111 40.9 29.7 55.1

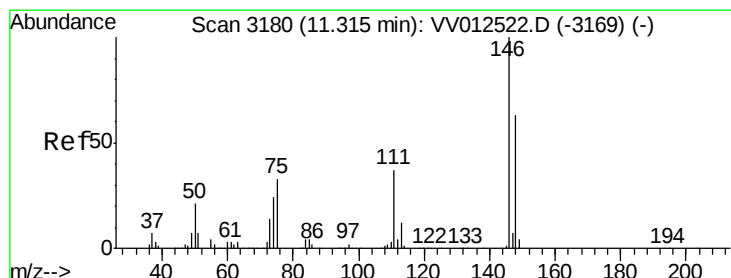
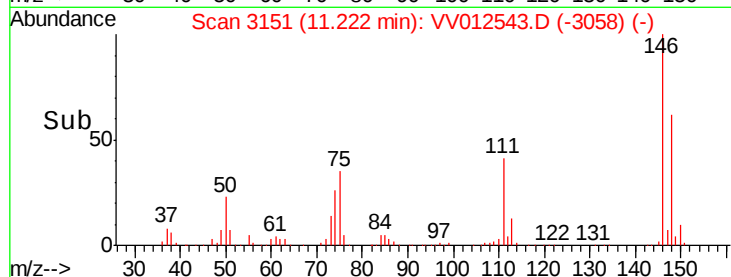
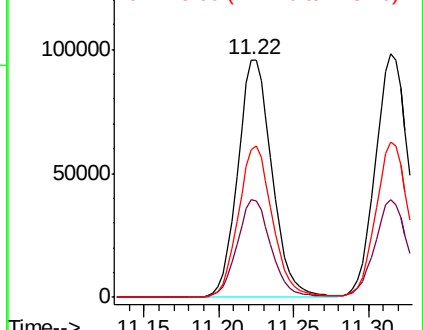
148 62.3 45.7 84.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.870 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012543.D

Acq: 02 Sep 2019 21:43

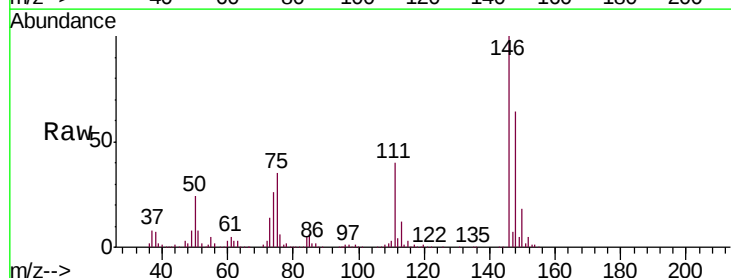
Tgt Ion:146 Resp: 154712

Ion Ratio Lower Upper

146 100

111 40.1 27.9 51.7

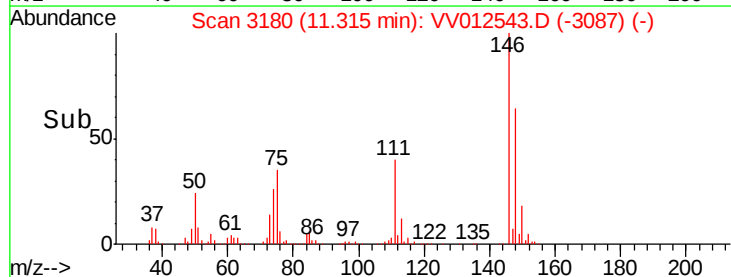
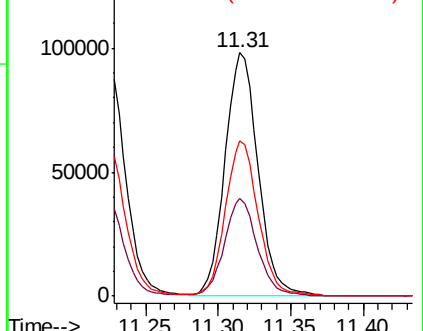
148 64.0 44.9 83.3

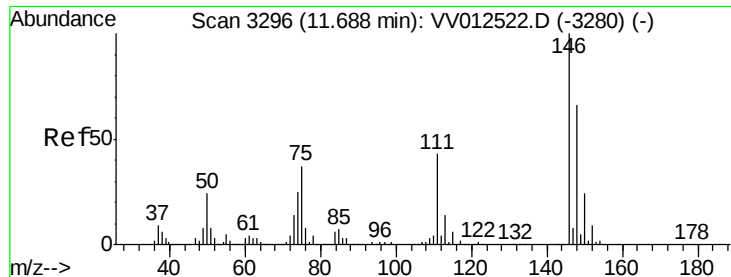


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.097 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012543.D

Acq: 02 Sep 2019 21:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00538

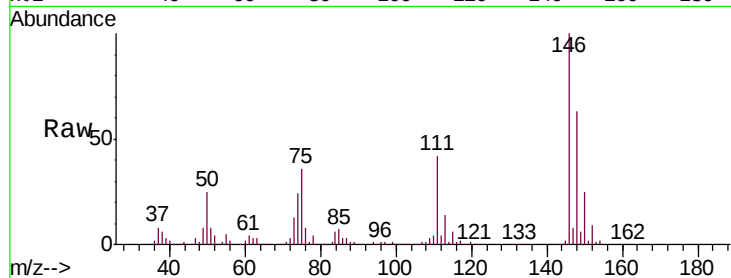
Tgt Ion:146 Resp: 144163

Ion Ratio Lower Upper

146 100

111 42.5 34.2 51.2

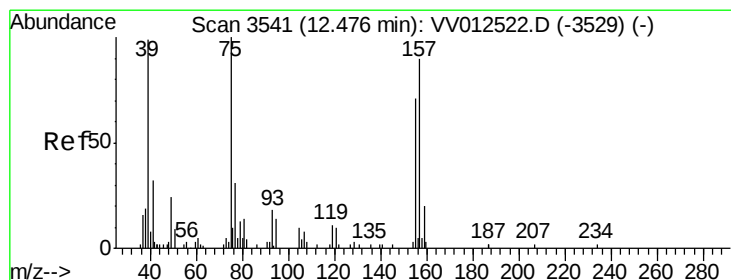
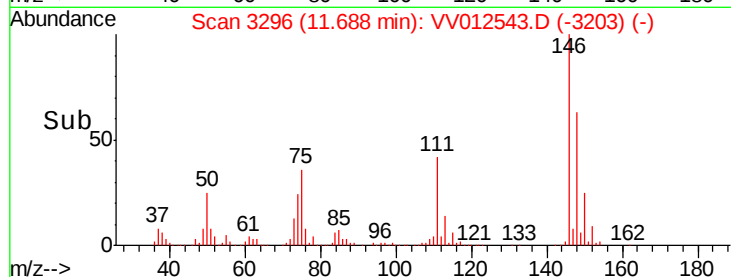
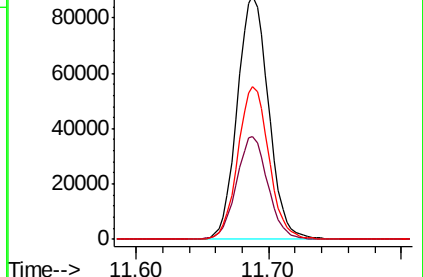
148 62.8 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): 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: 4.695 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. -0.00 min

Lab File: VV012543.D

Acq: 02 Sep 2019 21:43

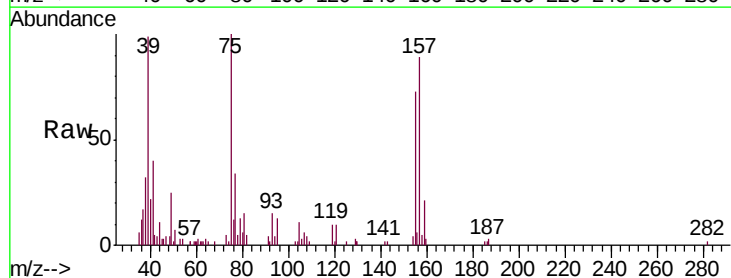
Tgt Ion: 75 Resp: 8950

Ion Ratio Lower Upper

75 100

155 72.5 50.6 75.8

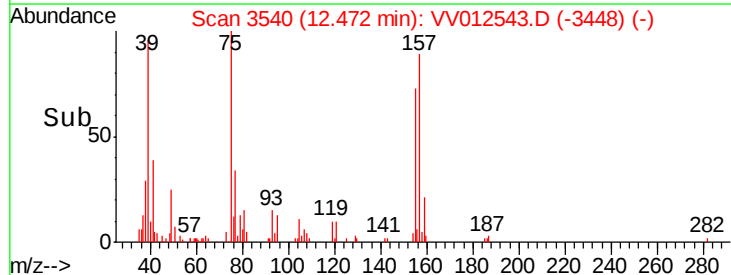
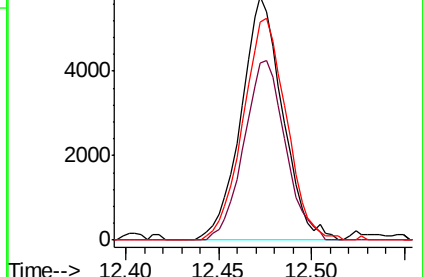
157 89.4 72.6 109.0

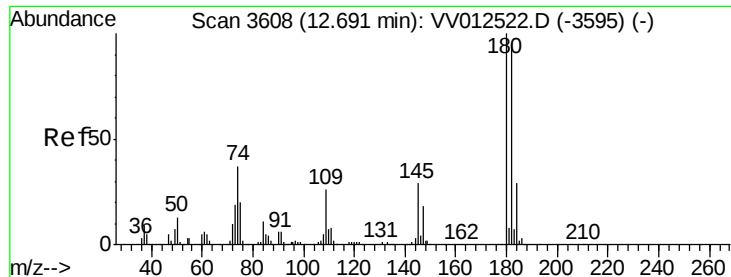


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

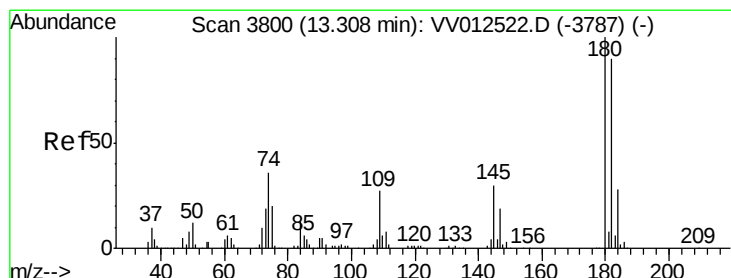
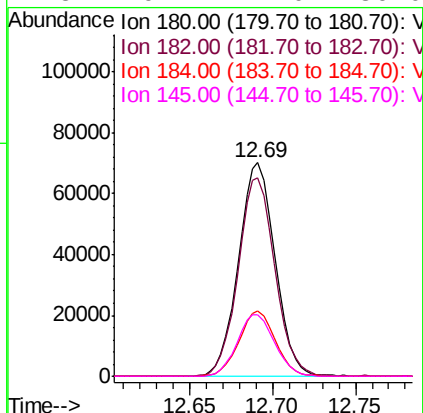
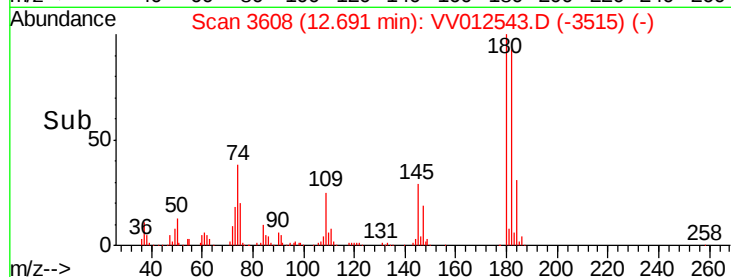
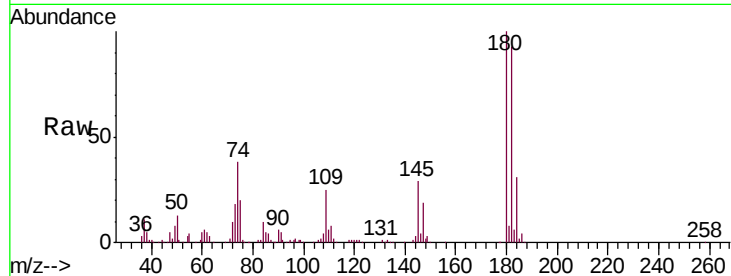




#67
 1,3,5-Trichlorobenzene
 Concen: 4.713 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012543.D
 Acq: 02 Sep 2019 21:43

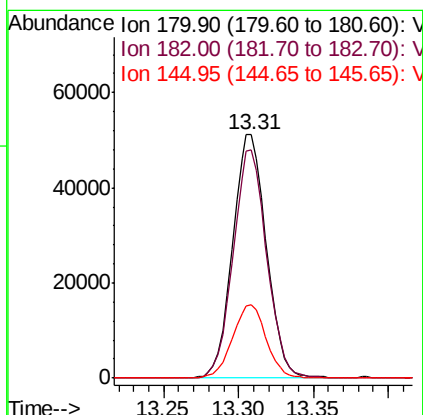
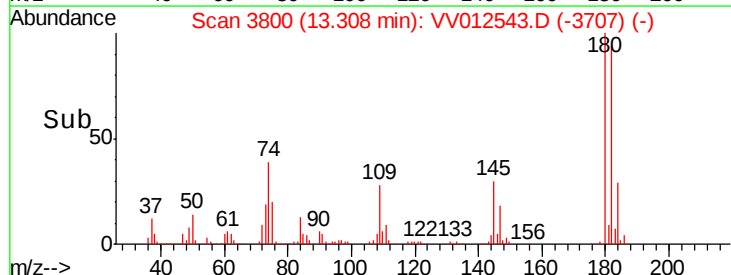
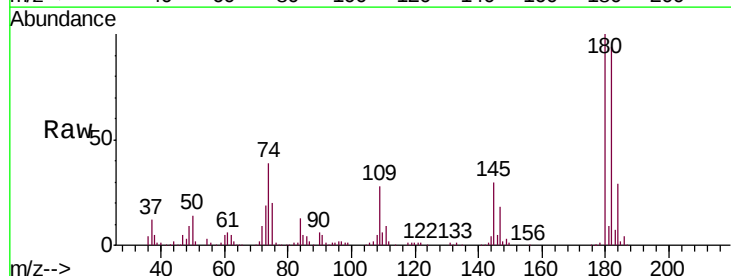
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00538

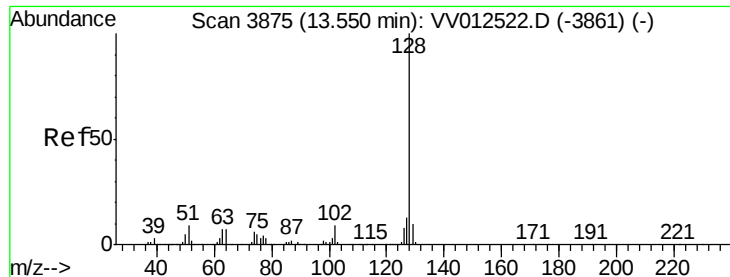
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	74.4	111.6
184	30.3	23.4	35.0
145	29.7	24.0	36.0



#68
 1,2,4-trichlorobenzene
 Concen: 4.878 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012543.D
 Acq: 02 Sep 2019 21:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	75.8	113.6
145	30.1	23.8	35.8





#69

Naphthalene

Concen: 4.770 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012543.D

Acq: 02 Sep 2019 21:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00538

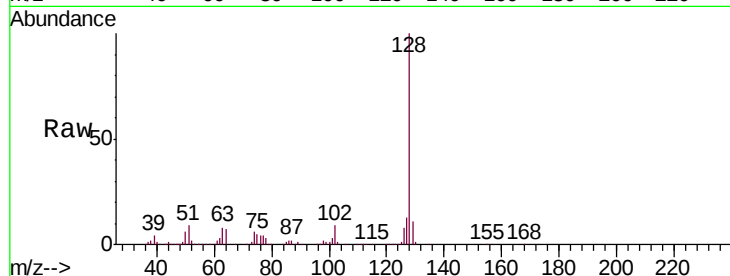
Tgt Ion:128 Resp: 116198

Ion Ratio Lower Upper

128 100

129 11.5 8.8 13.2

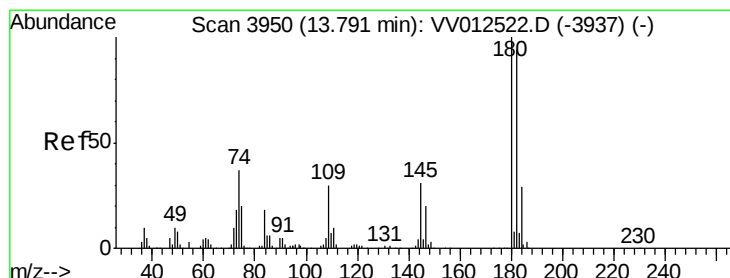
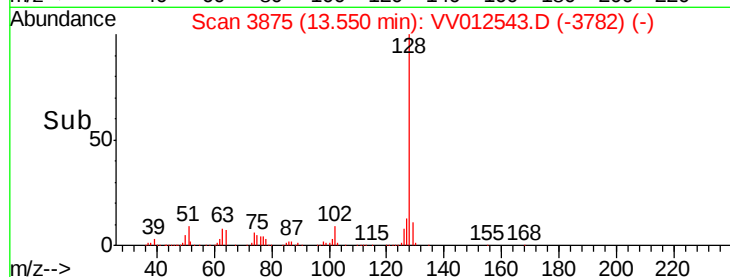
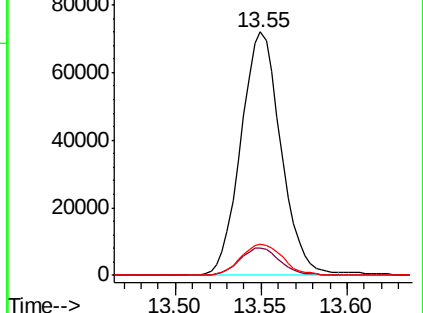
127 13.8 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.145 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012543.D

Acq: 02 Sep 2019 21:43

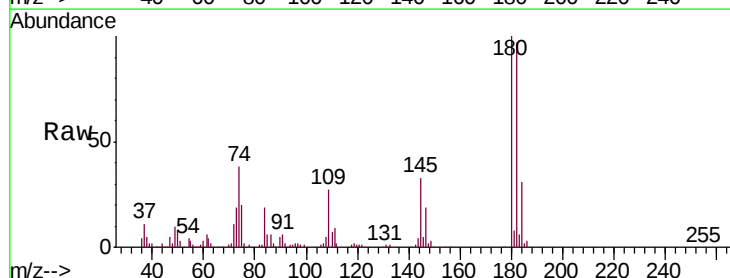
Tgt Ion:180 Resp: 76507

Ion Ratio Lower Upper

180 100

182 94.9 79.4 119.0

145 33.2 26.2 39.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

