

Data File : VV014599.D
Acq On : 17 Feb 2020 17:59
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD050212

Quant Time: Feb 18 06:46:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM021720W.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 18 06:41:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	280553	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	266975	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	134262	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43348	46.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.80%
7) Chloroethane-d5	1.58	69	34744	49.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.16%
11) 1,1-Dichloroethene-d2	2.13	63	85206	49.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.78%
21) 2-Butanone-d5	3.92	46	99929	109.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.90%
24) Chloroform-d	4.40	84	159641	51.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.62%
26) 1,2-Dichloroethane-d4	5.08	65	101644	52.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.12%
32) Benzene-d6	5.10	84	313225	51.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.52%
36) 1,2-Dichloropropane-d6	6.11	67	93870	50.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.66%
41) Toluene-d8	7.36	98	295025	50.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.46%
43) trans-1,3-Dichloropropene-	7.66	79	51817	49.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.92%
47) 2-Hexanone-d5	8.13	63	80489	110.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.36%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	136272	52.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.82%
66) 1,2-Dichlorobenzene-d4	11.67	152	118205	51.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.50%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	98344	50.441 ug/L	98
3) Chloromethane	1.26	50	80357	50.796 ug/L	99
5) Vinyl chloride	1.32	62	59670	48.296 ug/L	100
6) Bromomethane	1.53	94	31985	47.636 ug/L	96
8) Chloroethane	1.60	64	30772	49.341 ug/L	98
9) Trichlorofluoromethane	1.77	101	112663	49.939 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	46609	49.741 ug/L	96
12) 1,1-Dichloroethene	2.14	96	43654	49.419 ug/L	95
13) Acetone	2.19	43	61592	79.370 ug/L	97
14) Carbon disulfide	2.32	76	198611	49.019 ug/L	98
15) Methyl Acetate	2.46	43	74729	50.738 ug/L	99
16) Methylene chloride	2.54	84	89905	49.819 ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	84144	50.650 ug/L	98
18) Methyl tert-butyl Ether	2.80	73	285778	51.815 ug/L	99
19) 1,1-Dichloroethane	3.23	63	152790	51.617 ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	100300	51.341 ug/L	98
22) 2-Butanone	4.01	43	112342	95.078 ug/L	99

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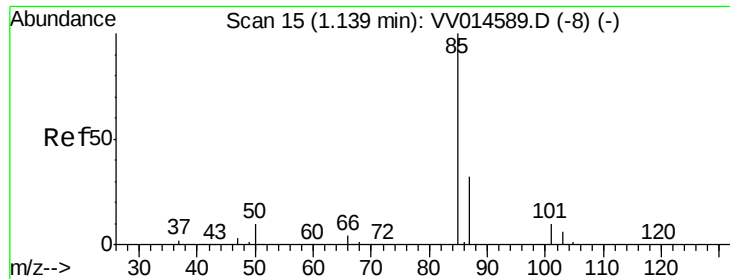
Quant Time: Feb 18 06:46:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM021720W.M
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QLast Update : Tue Feb 18 06:41:33 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	49626	51.526	ug/L	96
25) Chloroform	4.42	83	170745	50.917	ug/L	100
27) 1,2-Dichloroethane	5.18	62	127362	50.780	ug/L	100
29) Cyclohexane	4.72	56	128397	50.106	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	150655	50.512	ug/L	98
31) Carbon tetrachloride	4.87	117	134089	50.424	ug/L	100
33) Benzene	5.14	78	350709	50.852	ug/L	100
34) Trichloroethene	5.96	95	94706	50.354	ug/L	98
35) Methylcyclohexane	6.17	83	143755	49.135	ug/L	100
37) 1,2-Dichloropropane	6.22	63	85645	51.201	ug/L	99
38) Bromodichloromethane	6.55	83	130782	50.197	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	149886	50.517	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	215898	103.207	ug/L	99
42) Toluene	7.43	91	382376	50.325	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	139377	50.423	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	92935	51.631	ug/L	100
46) Tetrachloroethene	8.02	164	73176	48.645	ug/L	98
48) 2-Hexanone	8.18	43	166569	101.995	ug/L	97
49) Dibromochloromethane	8.29	129	109182	50.067	ug/L	100
50) 1,2-Dibromoethane	8.39	107	99263	50.187	ug/L	99
51) Chlorobenzene	8.92	112	257396	50.094	ug/L	99
52) Ethylbenzene	9.05	91	438060	50.153	ug/L	100
53) m,p-Xylene	9.18	106	168264	49.797	ug/L	99
54) o-Xylene	9.58	106	164221	50.472	ug/L	100
55) Styrene	9.60	104	281648	50.829	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.28	83	145822	50.898	ug/L	99
59) Bromoform	9.77	173	75784	50.008	ug/L	98
60) Isopropylbenzene	9.97	105	433887	50.925	ug/L	100
61) 1,2,3-Trichloropropane	10.31	75	116041	51.866	ug/L	100
62) 1,3,5-Trimethylbenzene	10.58	105	373108	51.251	ug/L	99
63) 1,2,4-Trimethylbenzene	10.95	105	365138	51.345	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	200607	49.120	ug/L	99
65) 1,4-Dichlorobenzene	11.31	146	205086	49.013	ug/L	99
67) 1,2-Dichlorobenzene	11.68	146	203391	50.603	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.47	75	33335	49.573	ug/L	98
69) 1,3,5-Trichlorobenzene	12.69	180	141707	48.023	ug/L	99
70) 1,2,4-trichlorobenzene	13.30	180	130358	48.877	ug/L	99
71) Naphthalene	13.54	128	428164	52.429	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	129692	49.813	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 50.441 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014599.D

Acq: 17 Feb 2020 17:59

Instrument :

MSVOA_V

ClientSampleId :

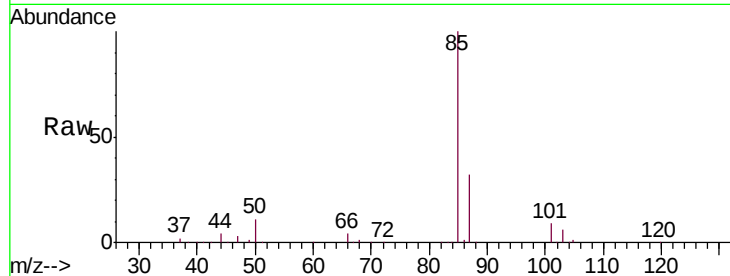
VSTD050212

Tgt Ion: 85 Resp: 98344

Ion Ratio Lower Upper

85 100

87 32.0 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VV014589.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014589.D (-8) (-)

1.14

100000

80000

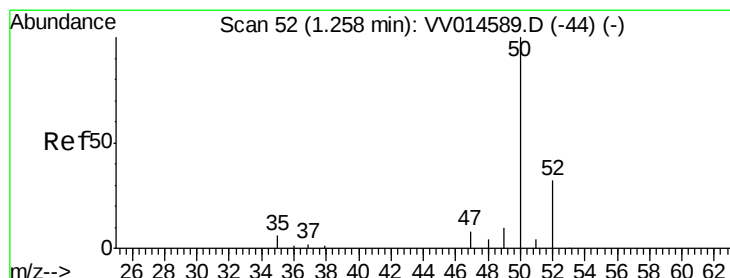
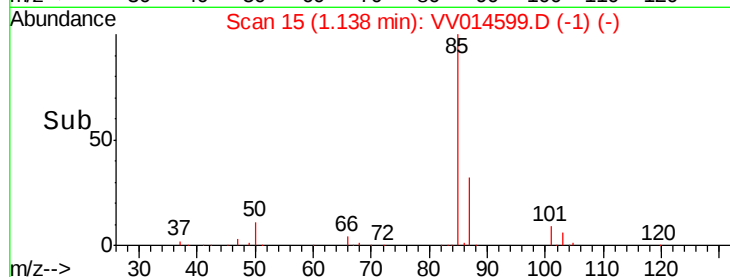
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 50.796 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV014599.D

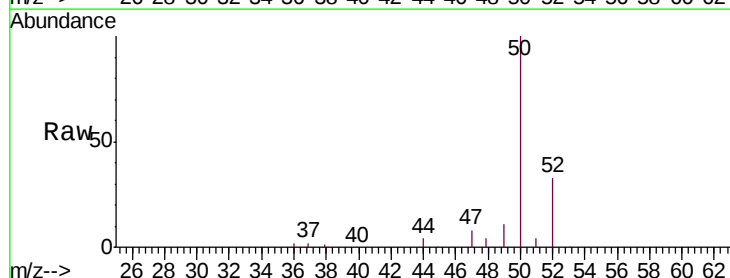
Acq: 17 Feb 2020 17:59

Tgt Ion: 50 Resp: 80357

Ion Ratio Lower Upper

50 100

52 33.1 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VV014589.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV014589.D (-44) (-)

1.26

80000

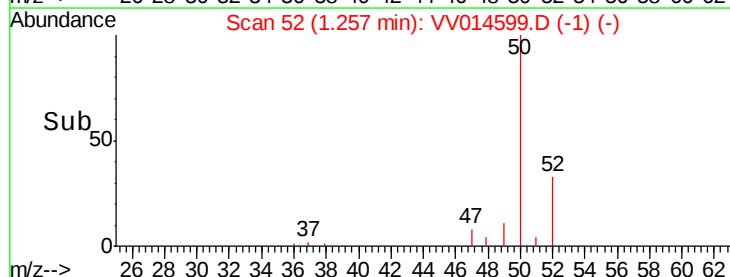
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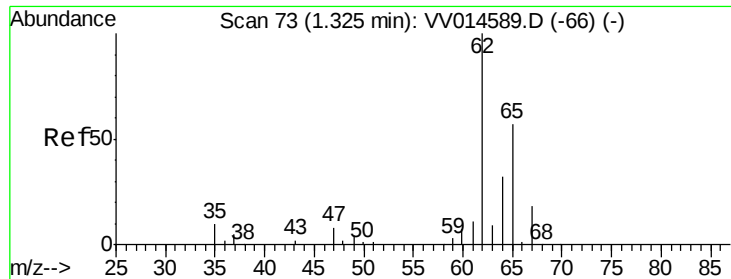
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 48.296 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV014599.D

Acq: 17 Feb 2020 17:59

Instrument :

MSVOA_V

ClientSampleId :

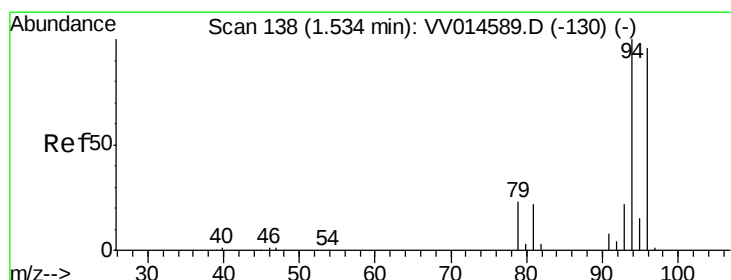
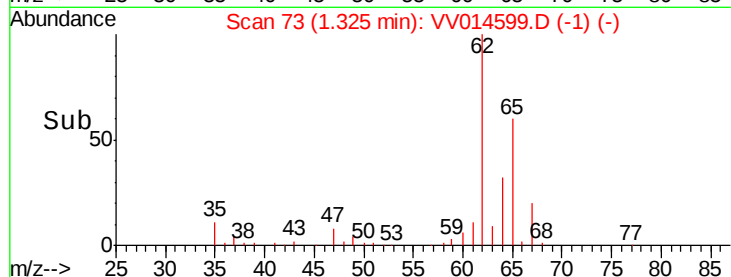
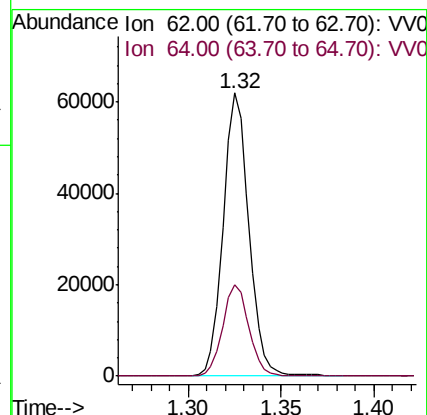
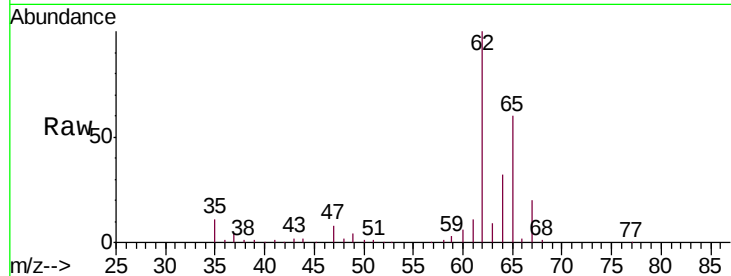
VSTD050212

Tgt Ion: 62 Resp: 59670

Ion Ratio Lower Upper

62 100

64 32.5 22.6 42.0



#6

Bromomethane

Concen: 47.636 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV014599.D

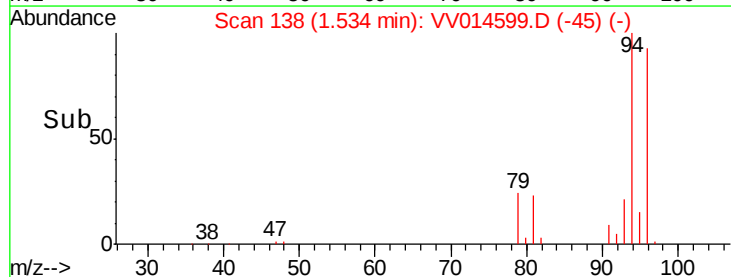
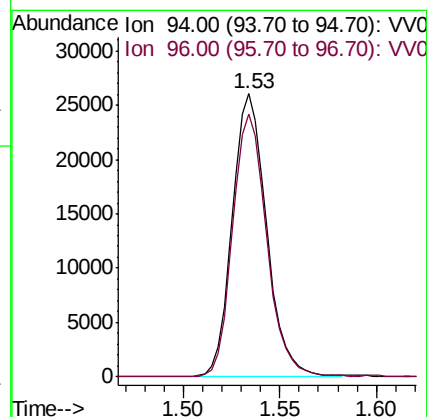
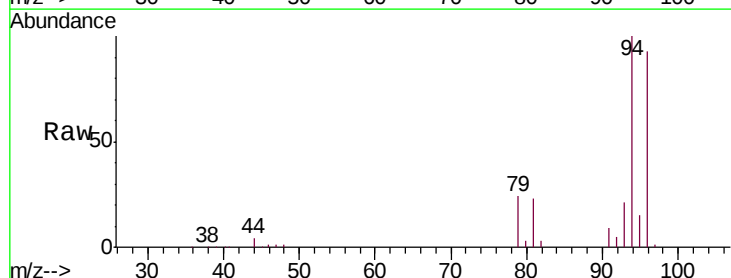
Acq: 17 Feb 2020 17:59

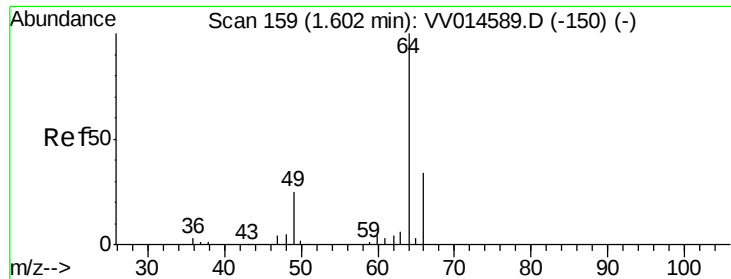
Tgt Ion: 94 Resp: 31985

Ion Ratio Lower Upper

94 100

96 92.7 67.4 125.2





#8

Chloroethane

Concen: 49.341 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV014599.D

Acq: 17 Feb 2020 17:59

Instrument :

MSVOA_V

ClientSampleId :

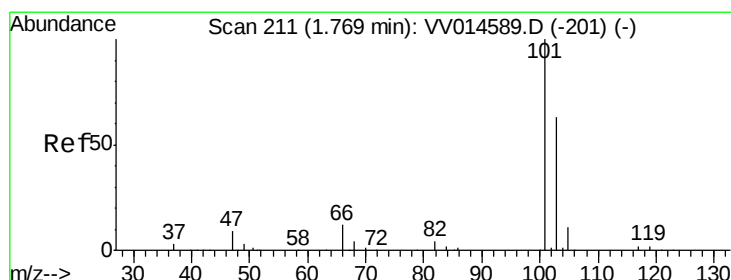
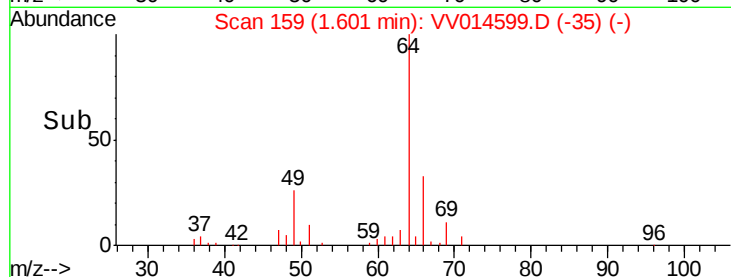
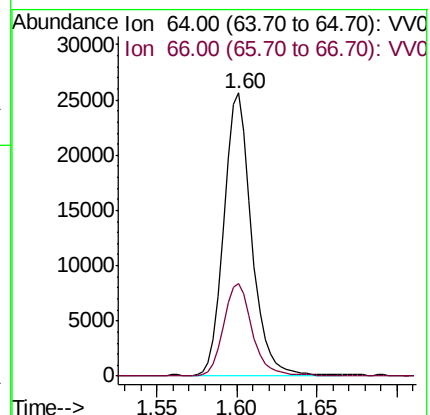
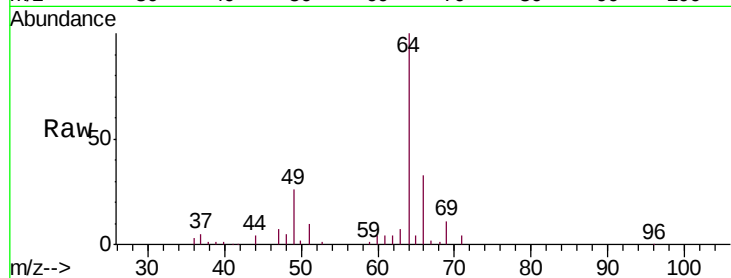
VSTD050212

Tgt Ion: 64 Resp: 30772

Ion Ratio Lower Upper

64 100

66 32.8 23.6 43.8



#9

Trichlorofluoromethane

Concen: 49.939 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014599.D

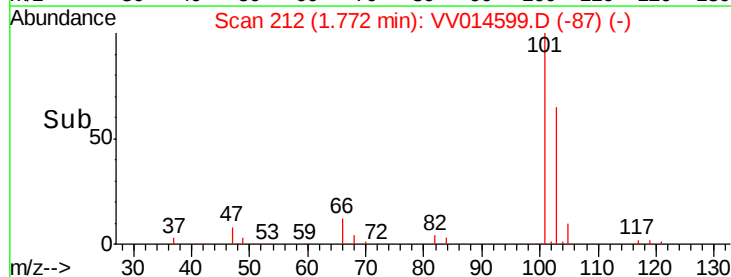
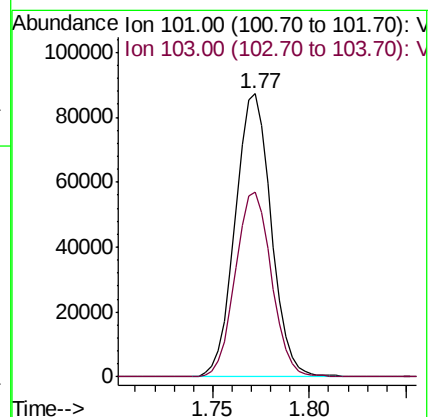
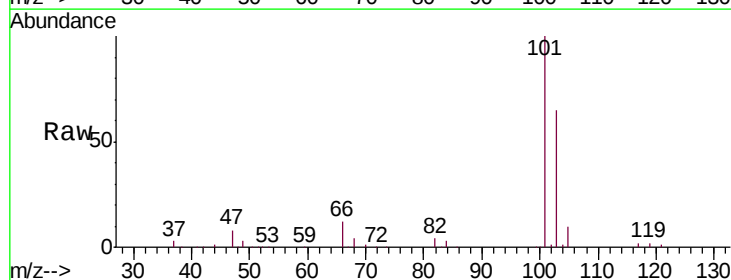
Acq: 17 Feb 2020 17:59

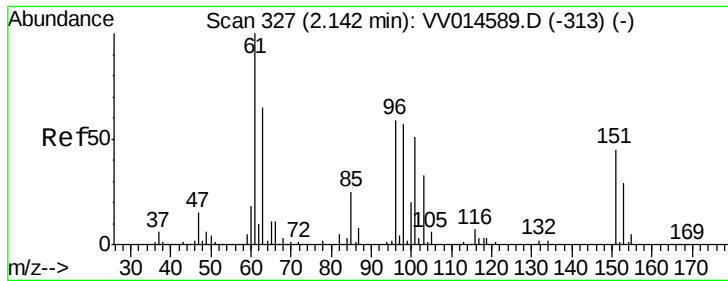
Tgt Ion: 101 Resp: 112663

Ion Ratio Lower Upper

101 100

103 65.7 51.4 77.0





#10

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

Concen: 49.741 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV014599.D

Acq: 17 Feb 2020 17:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD050212

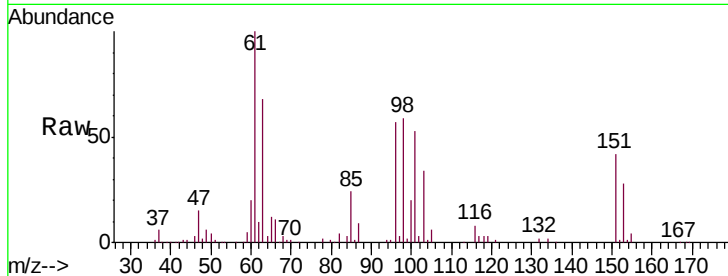
Tgt Ion: 101 Resp: 46609

Ion Ratio Lower Upper

101 100

85 44.6 37.9 56.9

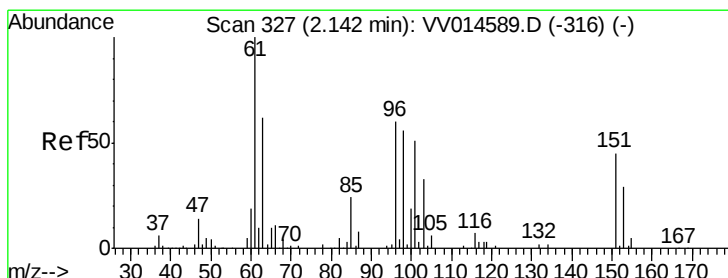
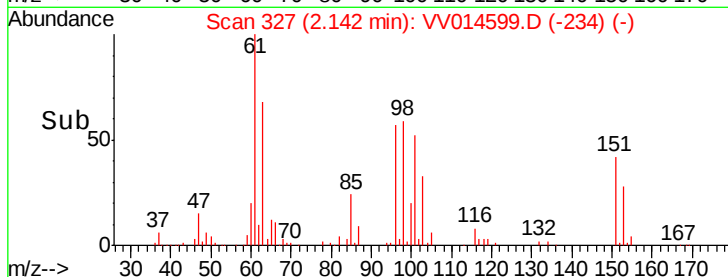
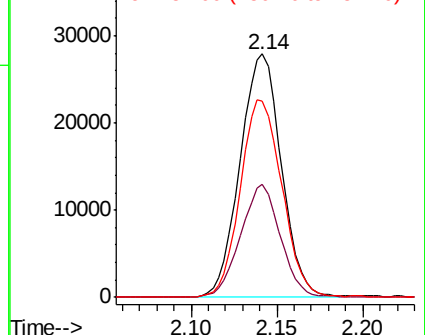
151 81.6 67.7 101.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 49.419 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV014599.D

Acq: 17 Feb 2020 17:59

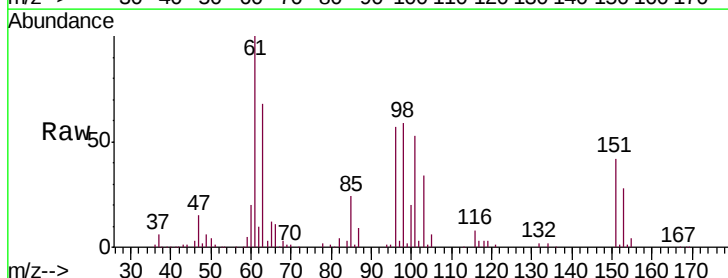
Tgt Ion: 96 Resp: 43654

Ion Ratio Lower Upper

96 100

61 174.6 118.3 219.7

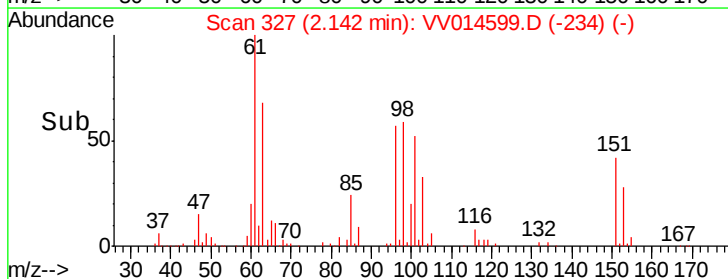
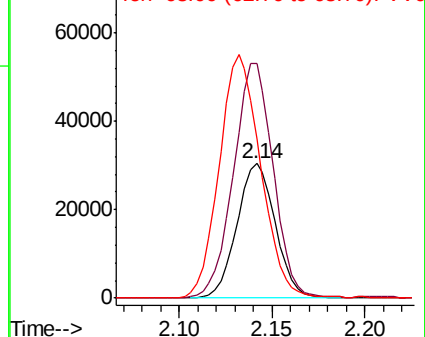
63 118.3 77.5 143.9

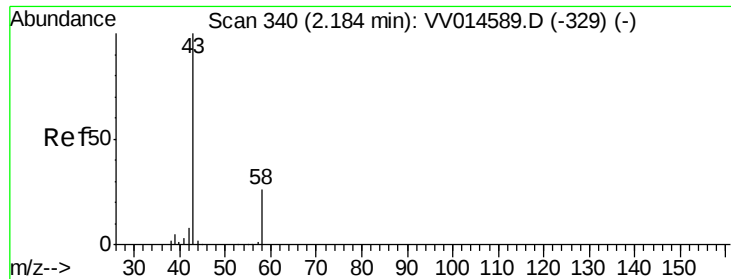


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 79.370 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

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Acq: 17 Feb 2020 17:59

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ClientSampleId :

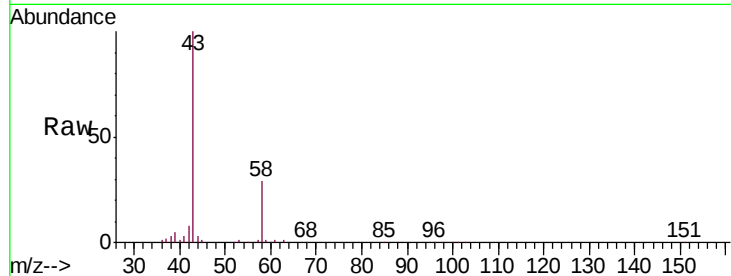
VSTD050212

Tgt Ion: 43 Resp: 61592

Ion Ratio Lower Upper

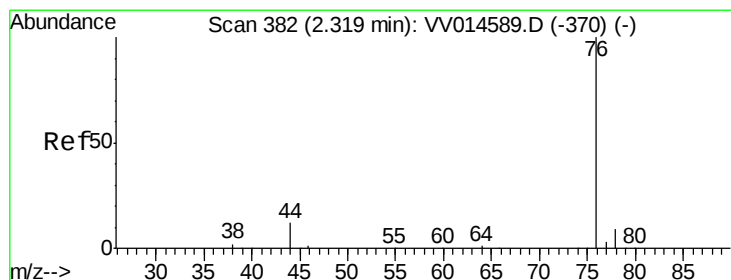
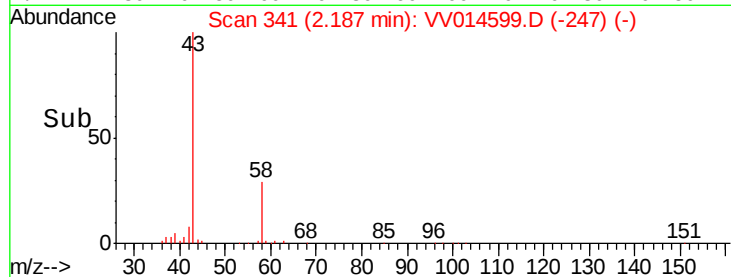
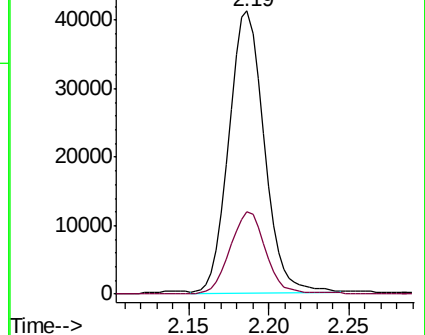
43 100

58 29.6 0.0 55.8



Abundance Ion 43.00 (42.70 to 43.70): VV014589.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV014589.D (-329) (-)



#14

Carbon disulfide

Concen: 49.019 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV014599.D

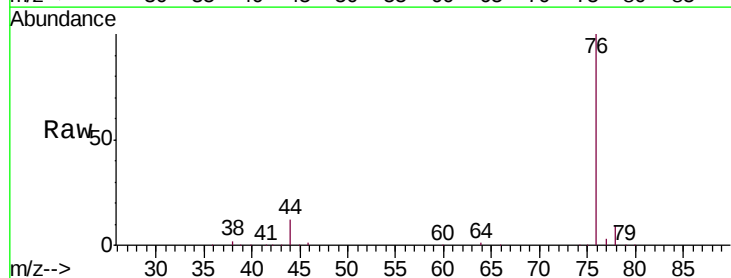
Acq: 17 Feb 2020 17:59

Tgt Ion: 76 Resp: 198611

Ion Ratio Lower Upper

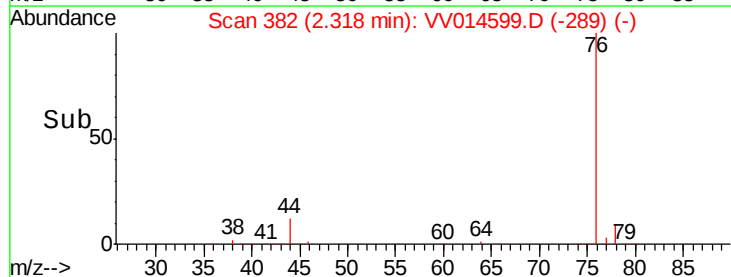
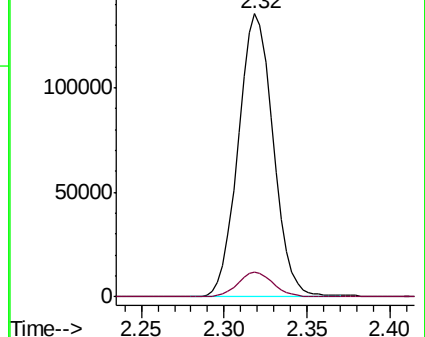
76 100

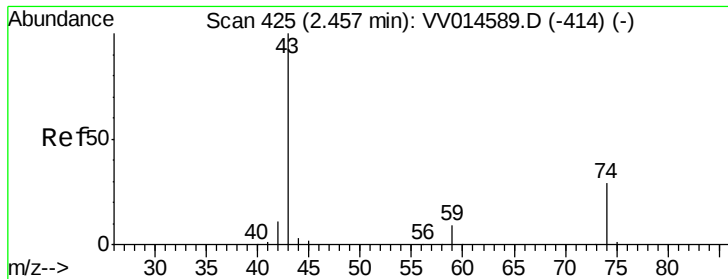
78 8.6 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV014589.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV014589.D (-370) (-)

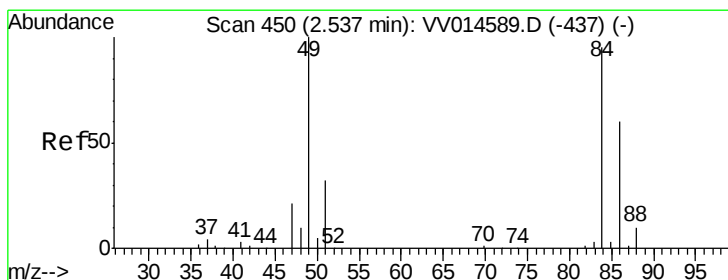
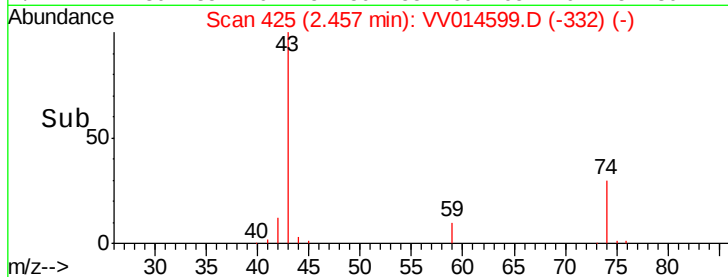
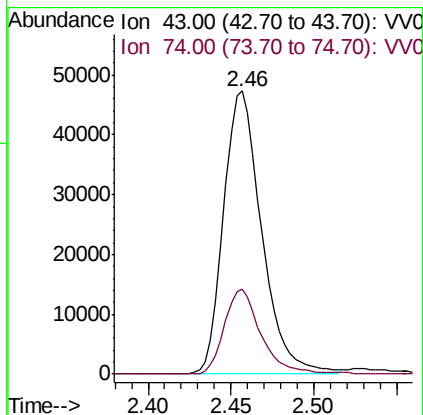
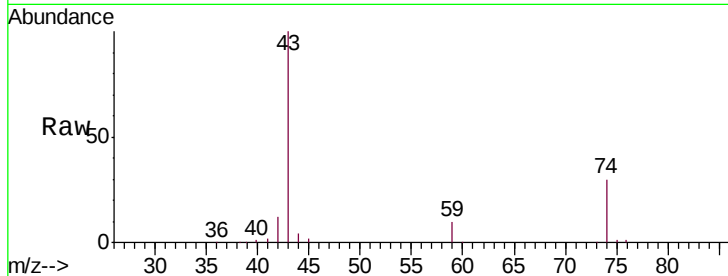




#15
Methyl Acetate
Concen: 50.738 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV014599.D
Acq: 17 Feb 2020 17:59

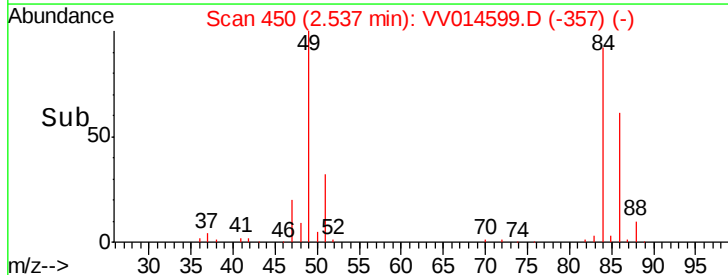
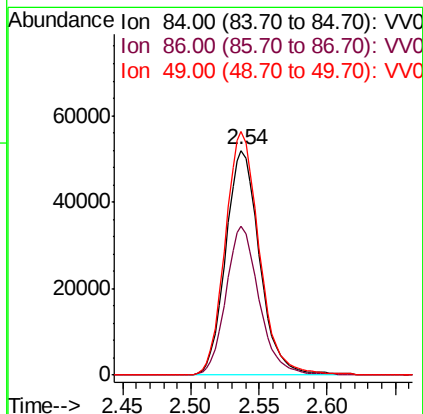
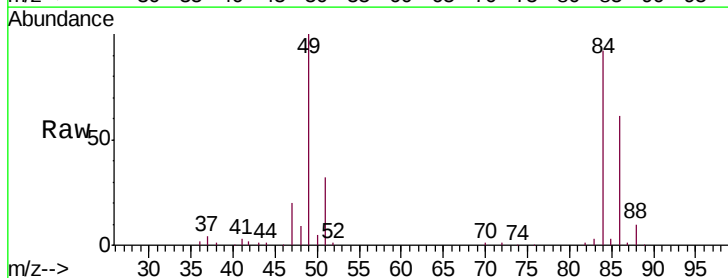
Instrument :
MSVOA_V
ClientSampled :
VSTD050212

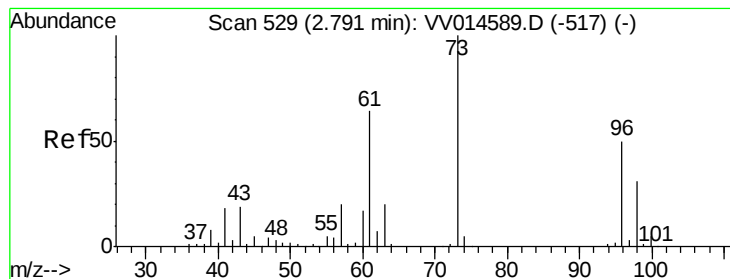
Tgt Ion: 43 Resp: 74729
Ion Ratio Lower Upper
43 100
74 29.1 22.9 34.3



#16
Methylene chloride
Concen: 49.819 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV014599.D
Acq: 17 Feb 2020 17:59

Tgt Ion: 84 Resp: 89905
Ion Ratio Lower Upper
84 100
86 66.3 44.0 81.8
49 108.3 74.0 137.4





#17

trans-1,2-Dichloroethene

Concen: 50.650 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV014599.D

Acq: 17 Feb 2020 17:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD050212

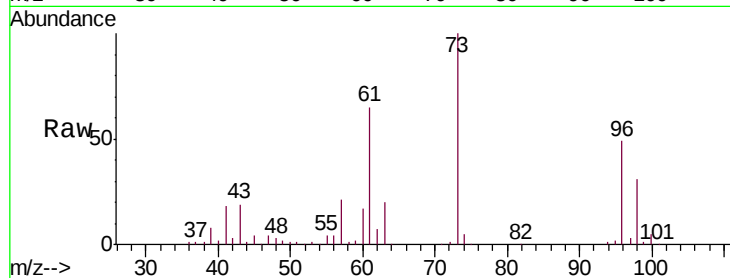
Tgt Ion: 96 Resp: 84144

Ion Ratio Lower Upper

96 100

61 132.7 90.6 168.3

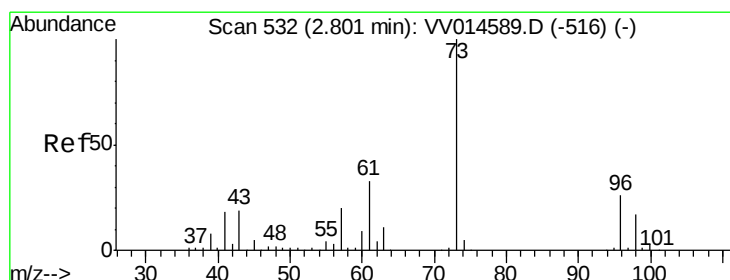
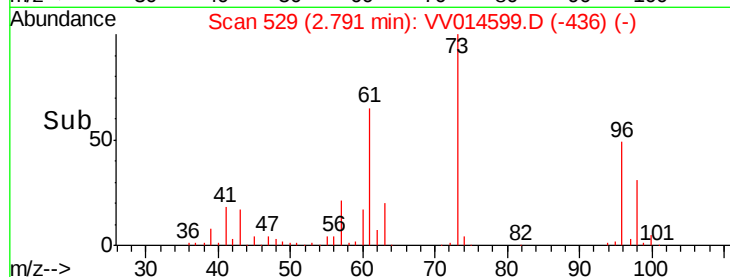
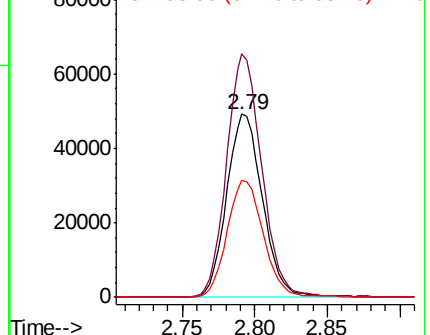
98 63.5 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 51.815 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.00 min

Lab File: VV014599.D

Acq: 17 Feb 2020 17:59

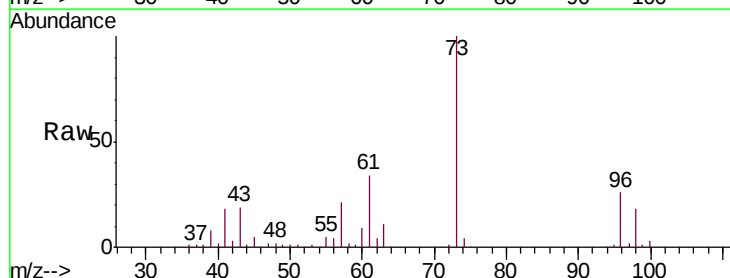
Tgt Ion: 73 Resp: 285778

Ion Ratio Lower Upper

73 100

43 18.7 14.7 22.1

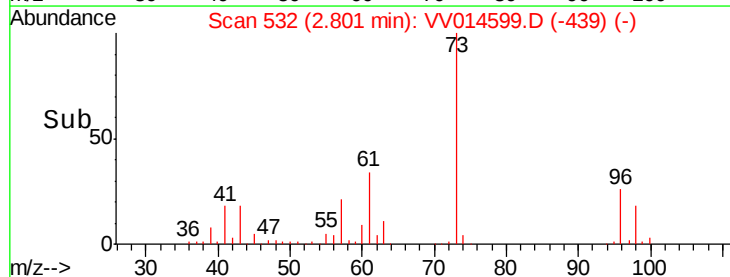
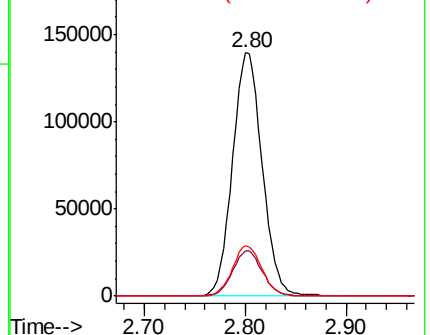
57 20.5 16.2 24.4

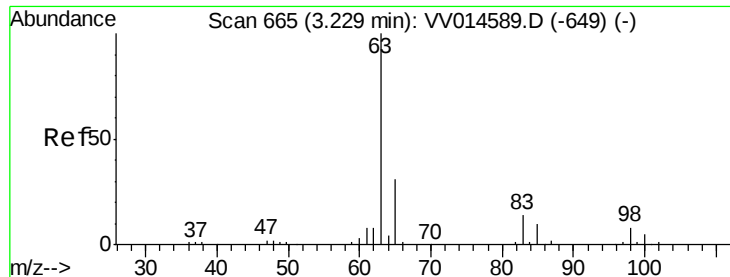


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

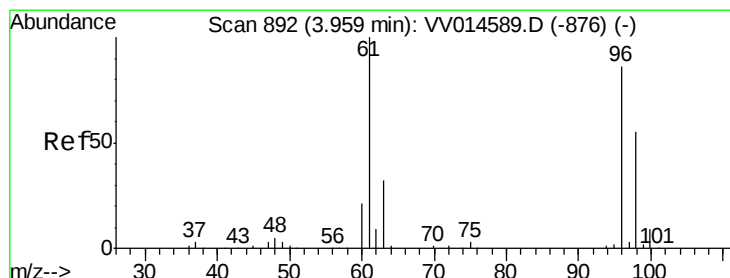
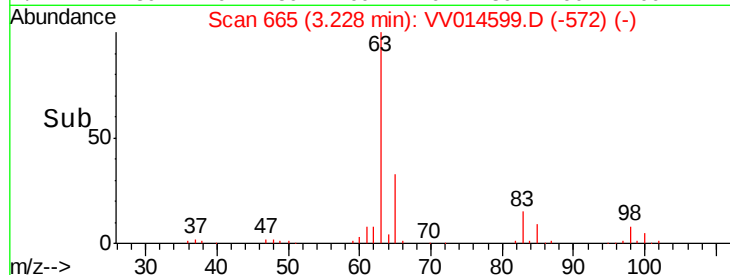
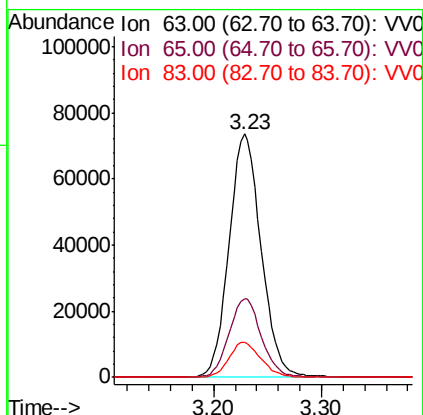
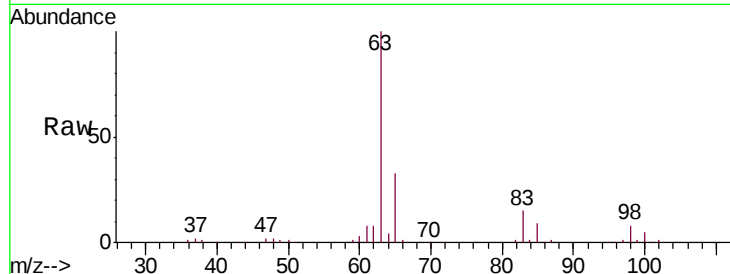




#19
 1,1-Dichloroethane
 Concen: 51.617 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV014599.D
 Acq: 17 Feb 2020 17:59

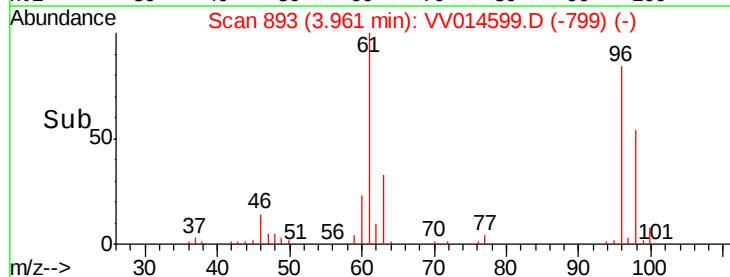
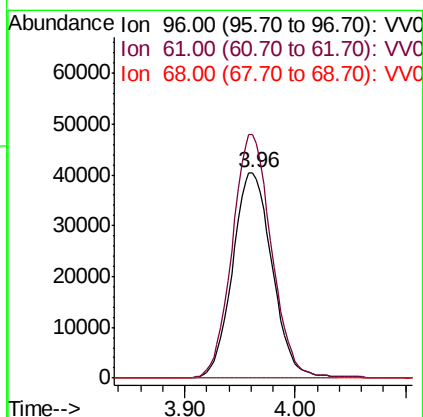
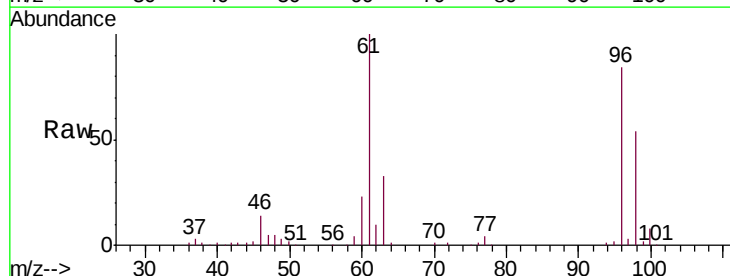
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050212

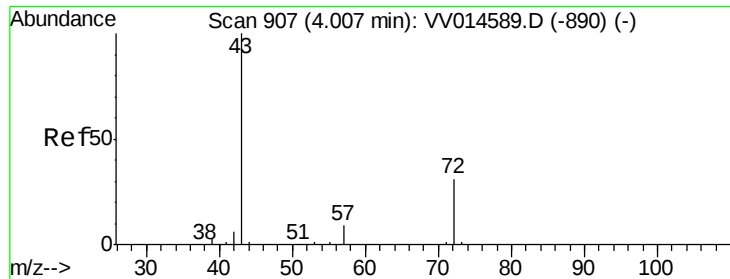
Tgt Ion: 63 Resp: 152790
 Ion Ratio Lower Upper
 63 100
 65 32.5 21.8 40.4
 83 14.5 9.9 18.3



#20
 cis-1,2-Dichloroethene
 Concen: 51.341 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV014599.D
 Acq: 17 Feb 2020 17:59

Tgt Ion: 96 Resp: 100300
 Ion Ratio Lower Upper
 96 100
 61 118.5 81.4 151.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 95.078 ug/L

RT: 4.01 min Scan# 907

Delta R.T. -0.00 min

Lab File: VV014599.D

Acq: 17 Feb 2020 17:59

Instrument :

MSVOA_V

ClientSampleId :

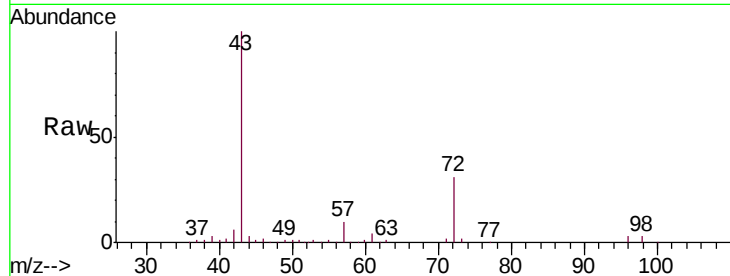
VSTD050212

Tgt Ion: 43 Resp: 112342

Ion Ratio Lower Upper

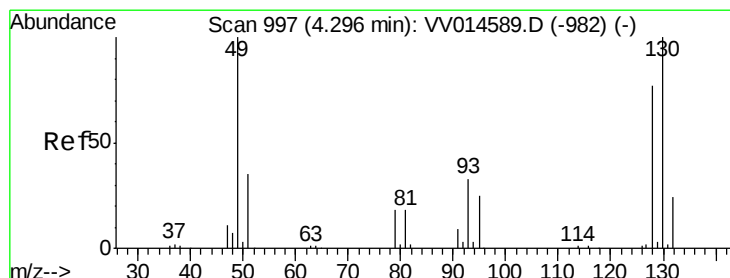
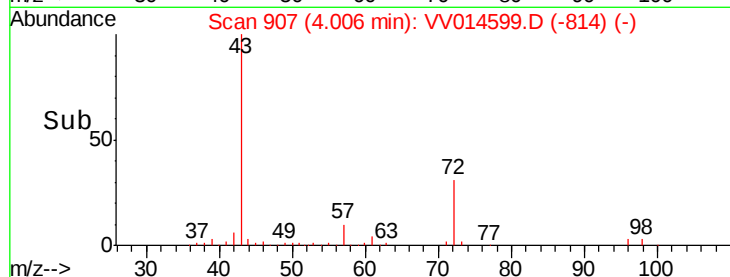
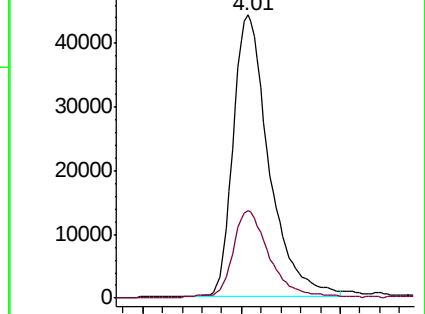
43 100

72 30.9 15.1 45.3



Abundance Ion 43.00 (42.70 to 43.70): VV014589.D (-890) (-)

Ion 72.00 (71.70 to 72.70): VV014589.D (-890) (-)



#23

Bromochloromethane

Concen: 51.526 ug/L

RT: 4.30 min Scan# 997

Delta R.T. -0.00 min

Lab File: VV014599.D

Acq: 17 Feb 2020 17:59

Tgt Ion: 128 Resp: 49626

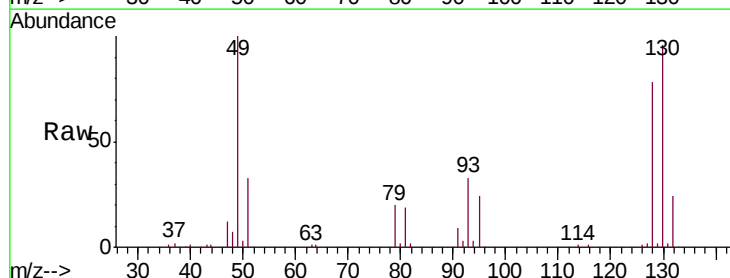
Ion Ratio Lower Upper

128 100

49 128.7 91.7 170.3

130 123.0 91.4 169.8

51 42.3 36.2 54.2

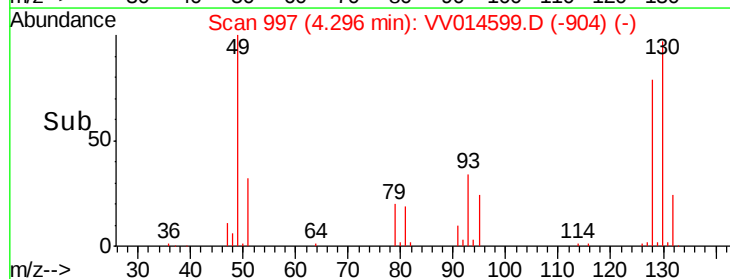
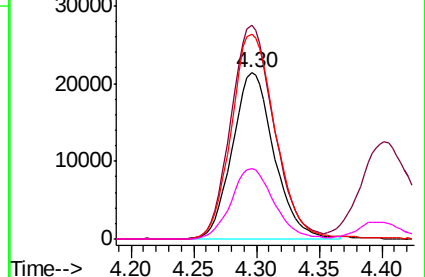


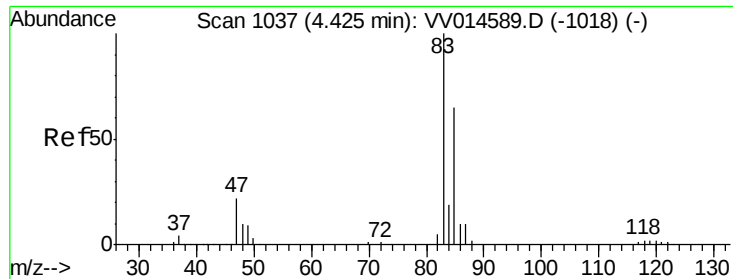
Abundance Ion 128.00 (127.70 to 128.70): VV014589.D (-982) (-)

Ion 49.00 (48.70 to 49.70): VV014589.D (-982) (-)

Ion 130.00 (129.70 to 130.70): VV014589.D (-982) (-)

Ion 51.00 (50.70 to 51.70): VV014589.D (-982) (-)





#25

Chloroform

Concen: 50.917 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV014599.D

Acq: 17 Feb 2020 17:59

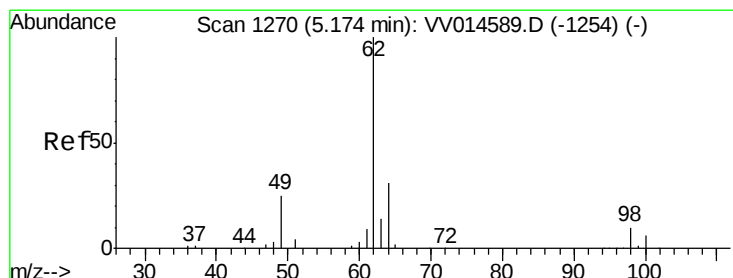
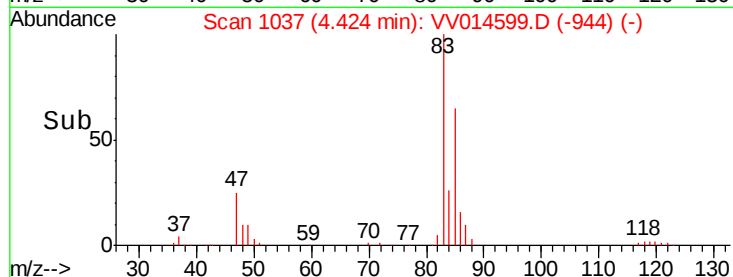
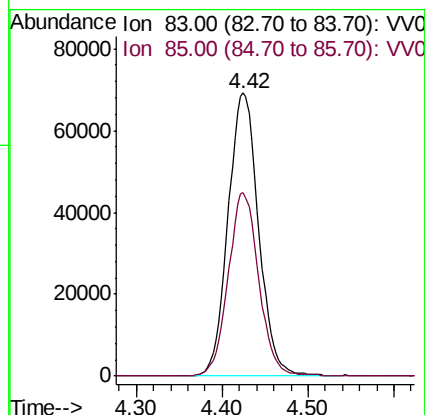
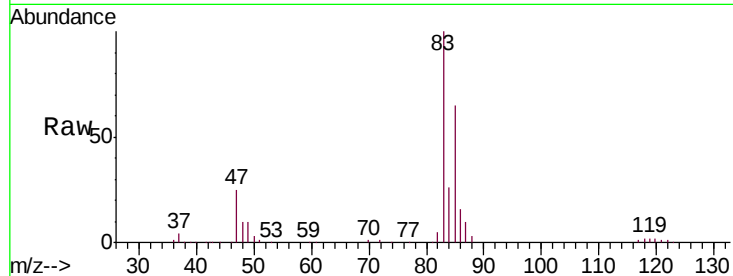
Instrument :
MSVOA_V
ClientSampled :
VSTD050212

Tgt Ion: 83 Resp: 170745

Ion Ratio Lower Upper

83 100

85 64.9 45.4 84.4



#27

1,2-Dichloroethane

Concen: 50.780 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VV014599.D

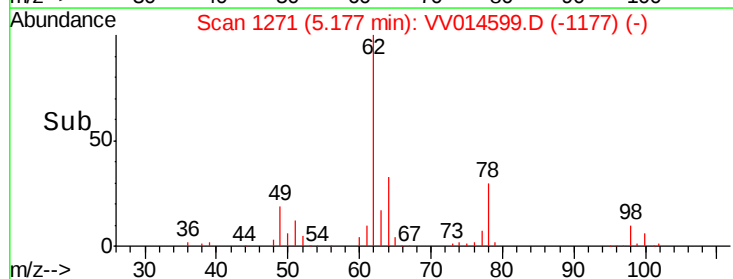
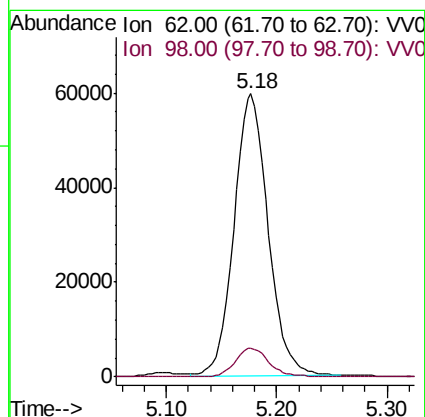
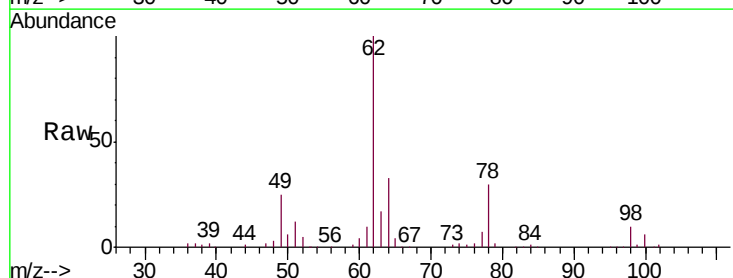
Acq: 17 Feb 2020 17:59

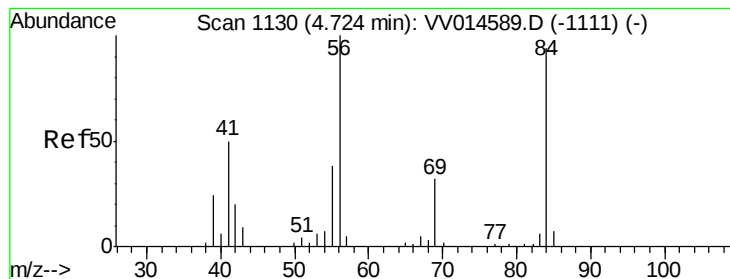
Tgt Ion: 62 Resp: 127362

Ion Ratio Lower Upper

62 100

98 9.9 8.1 12.1





#29

Cyclohexane

Concen: 50.106 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV014599.D

Acq: 17 Feb 2020 17:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD050212

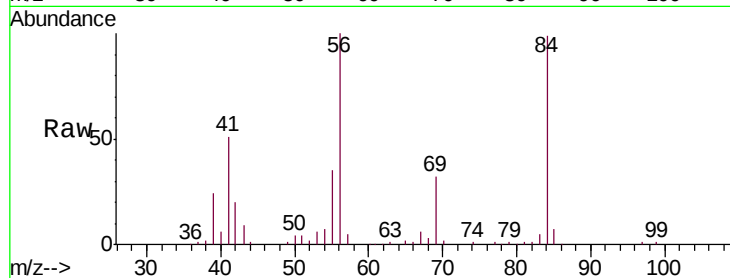
Tgt Ion: 56 Resp: 128397

Ion Ratio Lower Upper

56 100

69 33.2 26.6 39.8

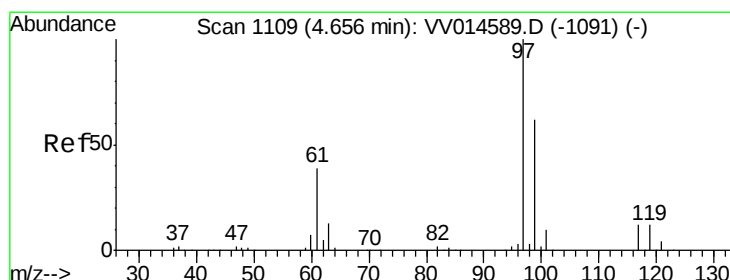
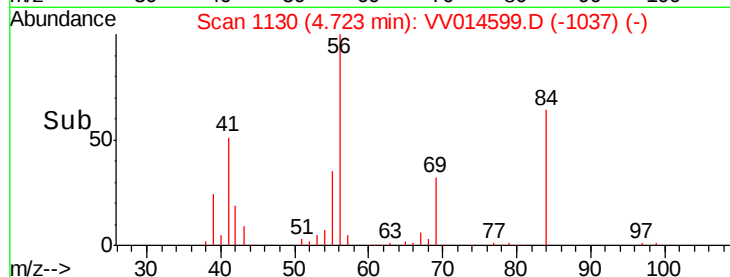
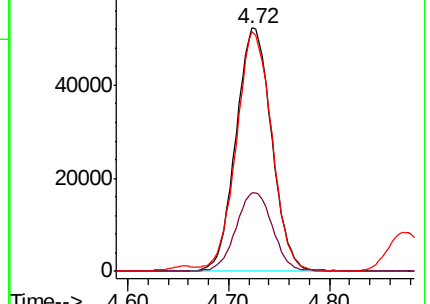
84 98.0 76.6 114.8



Abundance Ion 56.00 (55.70 to 56.70): VV014589.D (-1111) (-)

Ion 69.00 (68.70 to 69.70): VV014589.D (-1111) (-)

Ion 84.00 (83.70 to 84.70): VV014589.D (-1111) (-)



#30

1,1,1-Trichloroethane

Concen: 50.512 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV014599.D

Acq: 17 Feb 2020 17:59

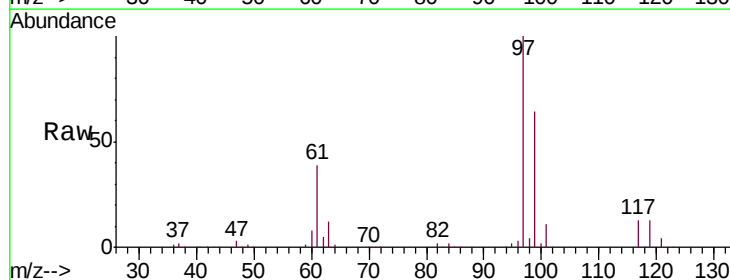
Tgt Ion: 97 Resp: 150655

Ion Ratio Lower Upper

97 100

99 65.4 50.6 76.0

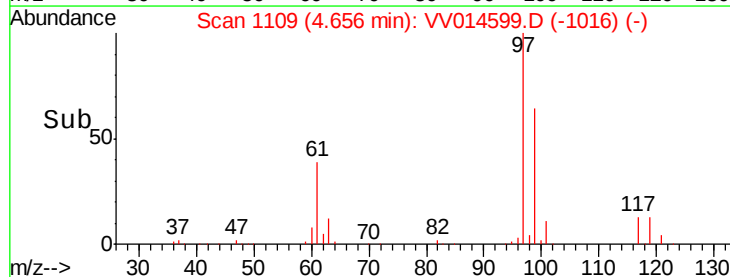
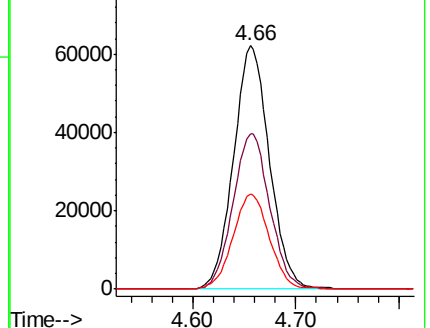
61 39.8 31.6 47.4

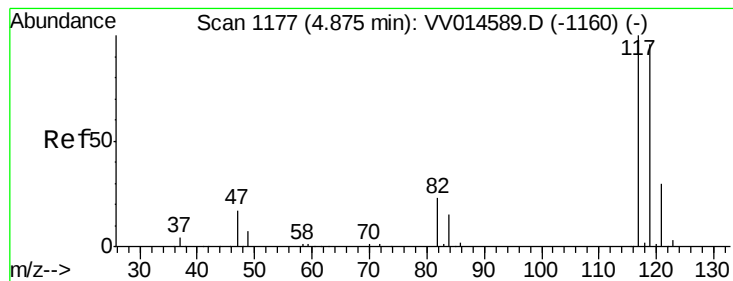


Abundance Ion 97.00 (96.70 to 97.70): VV014589.D (-1091) (-)

Ion 99.00 (98.70 to 99.70): VV014589.D (-1091) (-)

Ion 61.05 (60.75 to 61.75): VV014589.D (-1091) (-)





#31

Carbon tetrachloride

Concen: 50.424 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV014599.D

Acq: 17 Feb 2020 17:59

Instrument :

MSVOA_V

ClientSampleId :

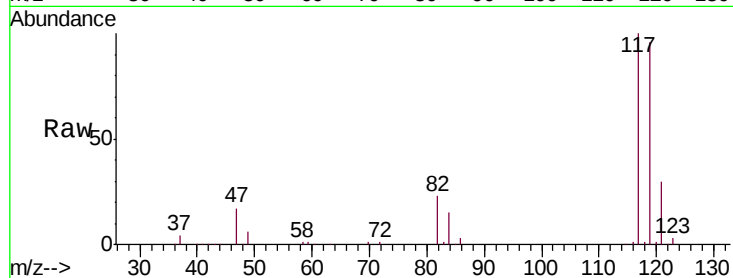
VSTD050212

Tgt Ion:117 Resp: 134089

Ion Ratio Lower Upper

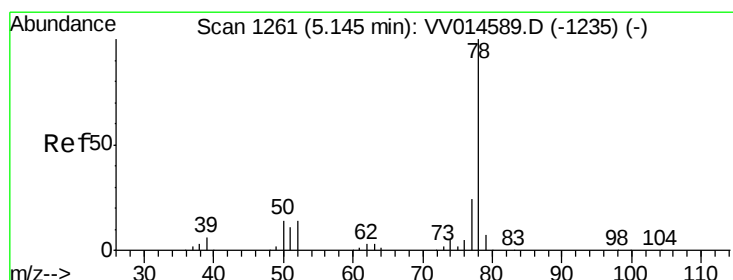
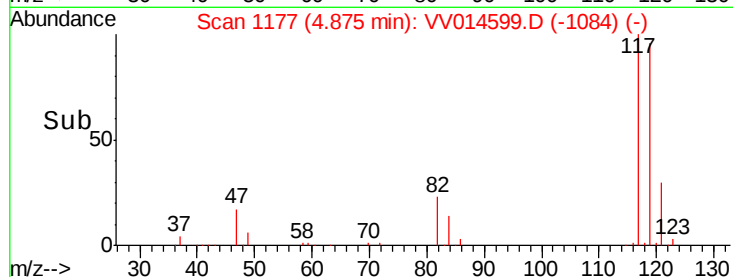
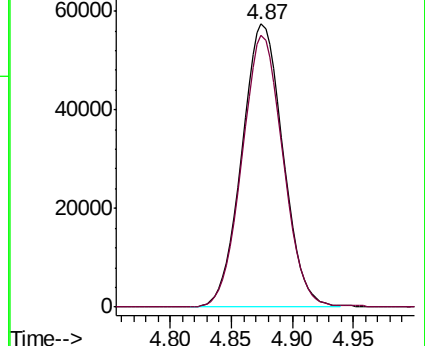
117 100

119 95.7 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.852 ug/L

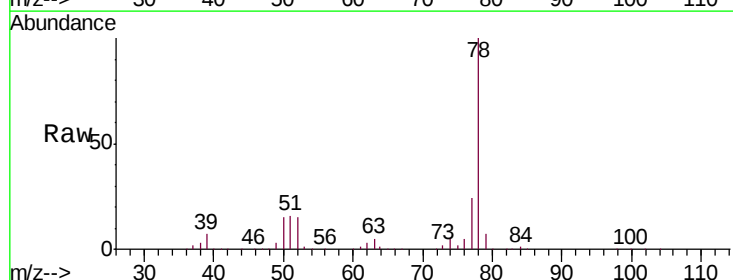
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

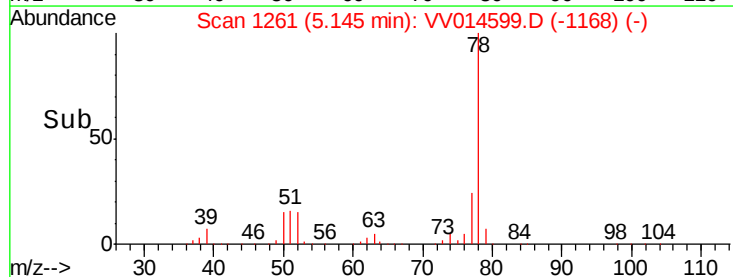
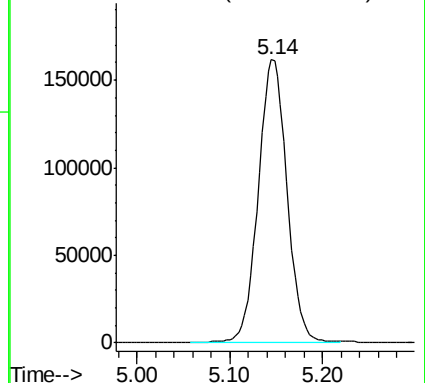
Lab File: VV014599.D

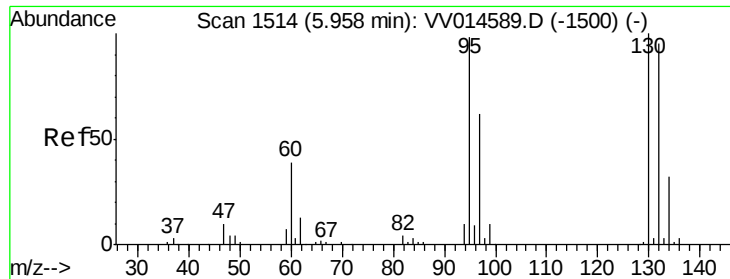
Acq: 17 Feb 2020 17:59

Tgt Ion: 78 Resp: 350709



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 50.354 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV014599.D

Acq: 17 Feb 2020 17:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD050212

Tgt Ion: 95 Resp: 94706

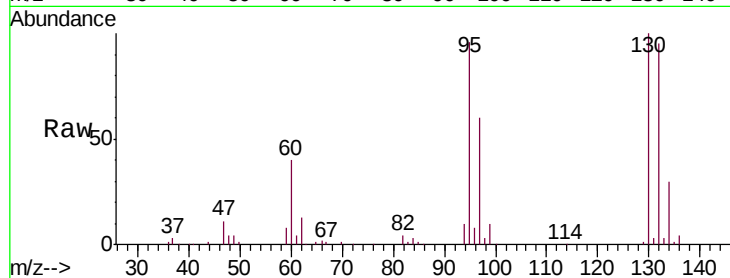
Ion Ratio Lower Upper

95 100

97 62.8 44.4 82.4

132 99.0 67.8 125.8

130 104.5 71.4 132.6

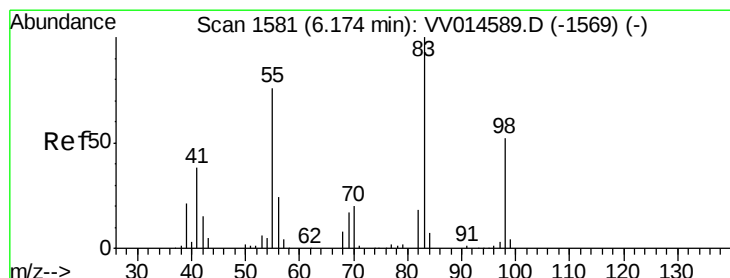
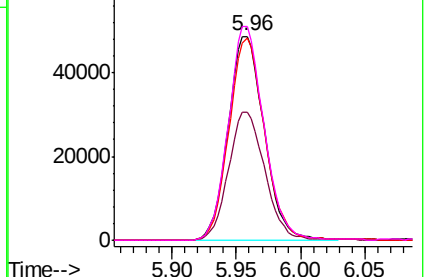
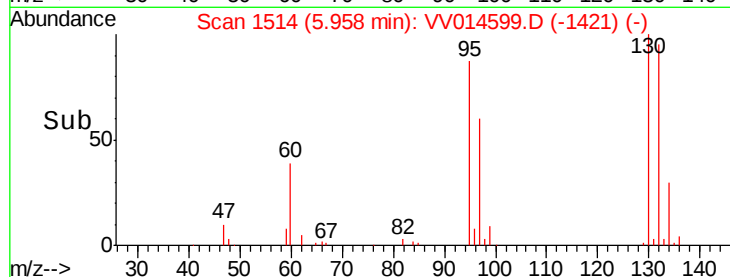


Abundance Ion 95.00 (94.70 to 95.70): VV014599.D (-1421) (-)

Ion 97.00 (96.70 to 97.70): VV014599.D (-1421) (-)

Ion 132.00 (131.70 to 132.70): VV014599.D (-1421) (-)

Ion 130.00 (129.70 to 130.70): VV014599.D (-1421) (-)



#35

Methylcyclohexane

Concen: 49.135 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV014599.D

Acq: 17 Feb 2020 17:59

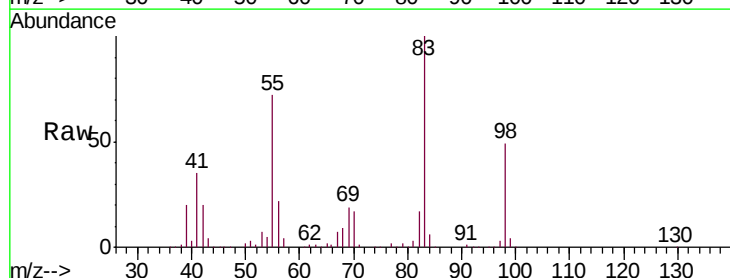
Tgt Ion: 83 Resp: 143755

Ion Ratio Lower Upper

83 100

55 71.9 57.4 86.2

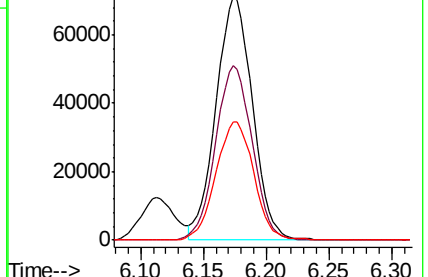
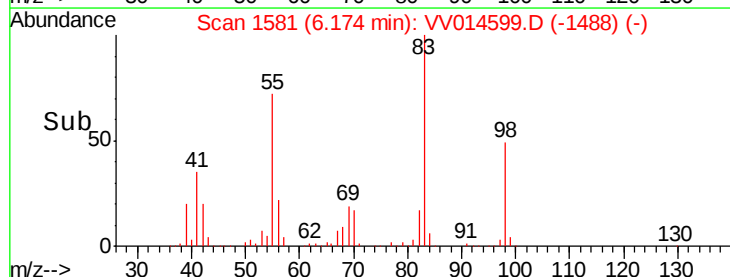
98 50.5 40.4 60.6

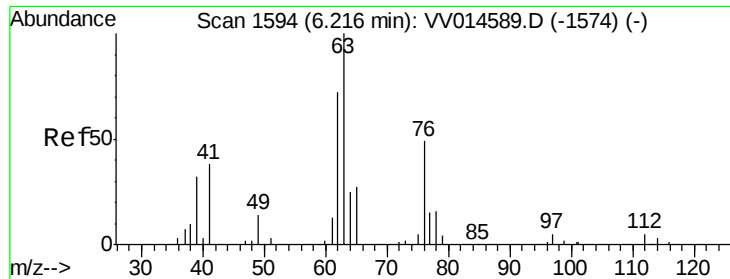


Abundance Ion 83.00 (82.70 to 83.70): VV014599.D (-1488) (-)

Ion 55.00 (54.70 to 55.70): VV014599.D (-1488) (-)

Ion 98.00 (97.70 to 98.70): VV014599.D (-1488) (-)

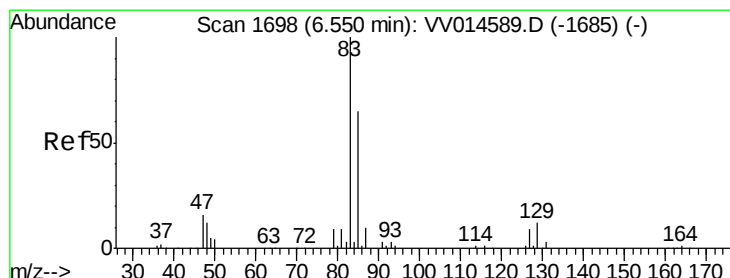
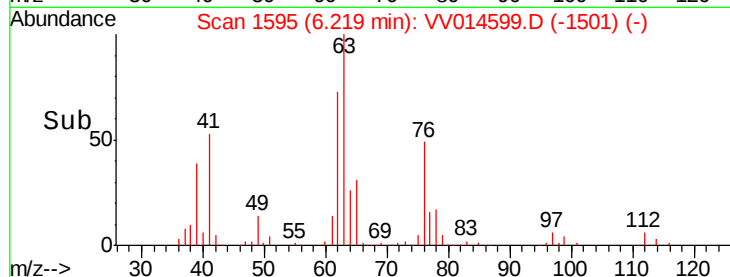
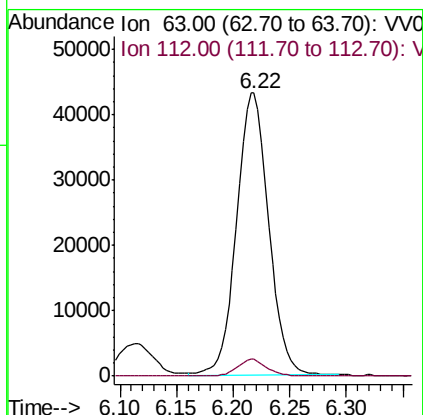
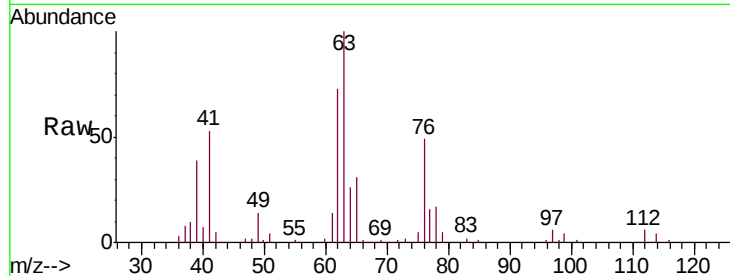




#37
 1,2-Dichloropropane
 Concen: 51.201 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV014599.D
 Acq: 17 Feb 2020 17:59

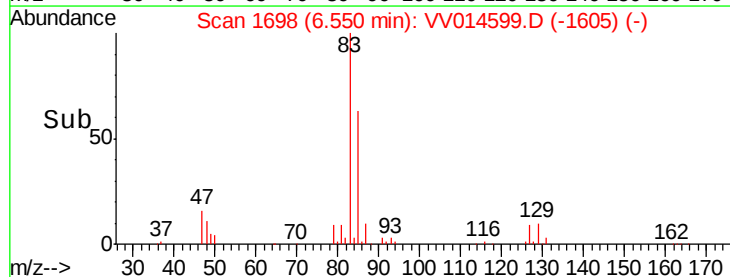
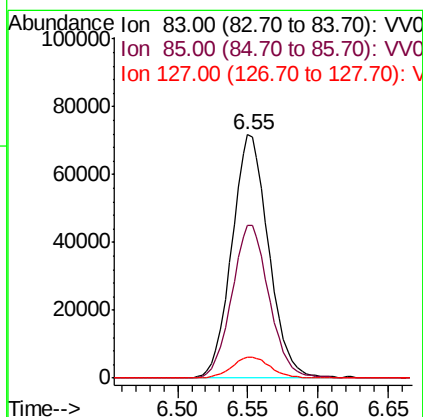
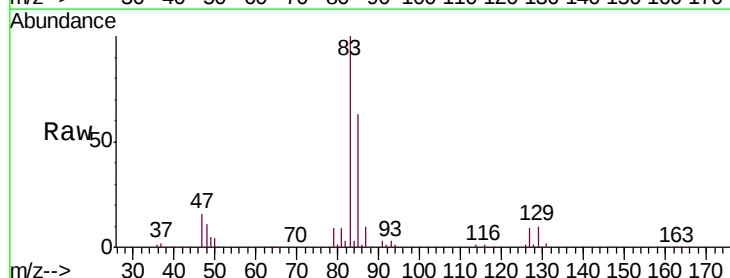
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050212

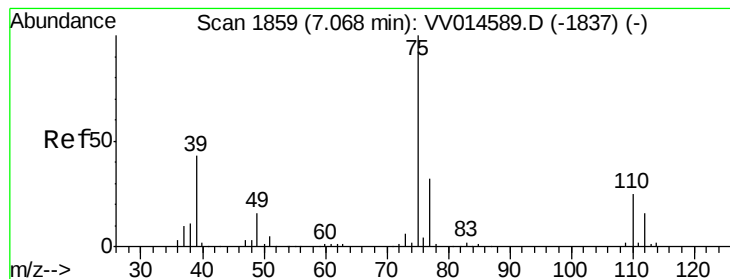
Tgt Ion: 63 Resp: 85645
 Ion Ratio Lower Upper
 63 100
 112 5.4 4.2 6.2



#38
 Bromodichloromethane
 Concen: 50.197 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV014599.D
 Acq: 17 Feb 2020 17:59

Tgt Ion: 83 Resp: 130782
 Ion Ratio Lower Upper
 83 100
 85 63.0 45.5 84.5
 127 8.6 7.1 10.7



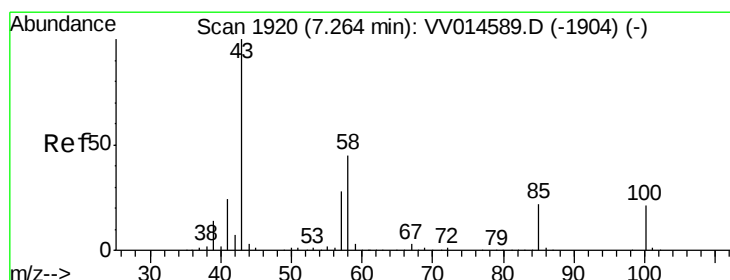
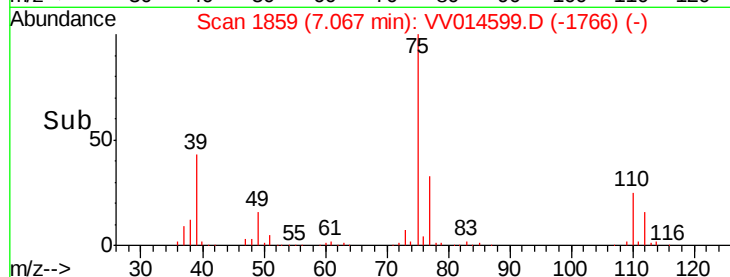
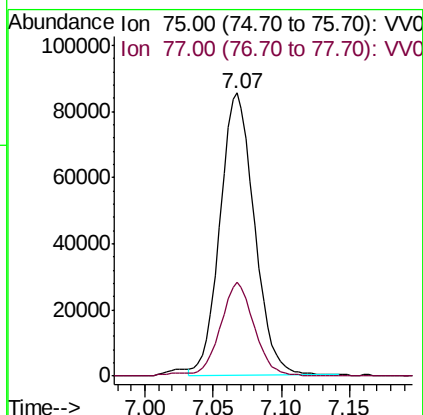
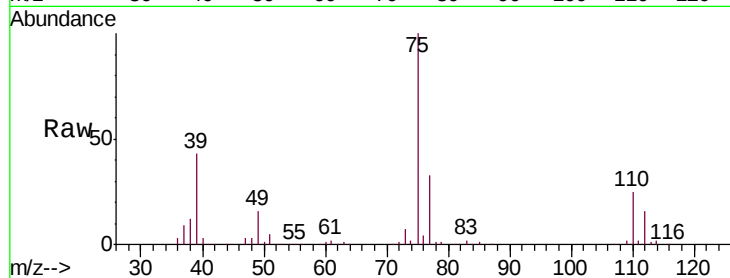


#39

cis-1,3-Dichloropropene
Concen: 50.517 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV014599.D
Acq: 17 Feb 2020 17:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD050212

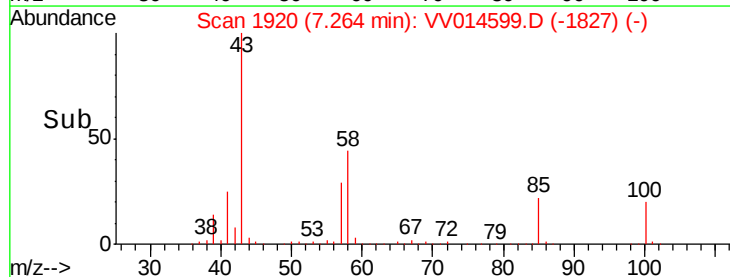
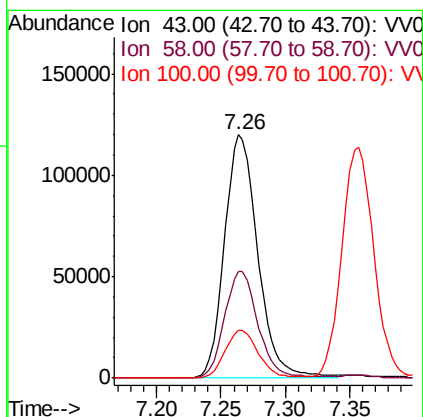
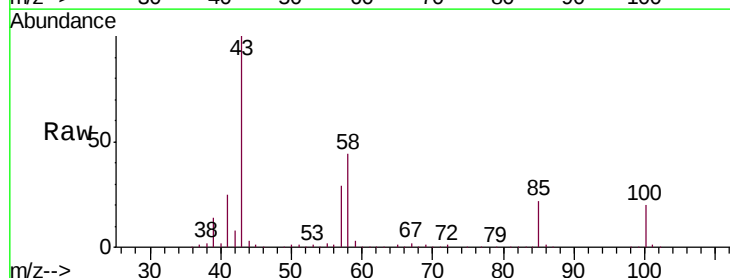
Tgt Ion: 75 Resp: 149886
Ion Ratio Lower Upper
75 100
77 33.0 22.3 41.5

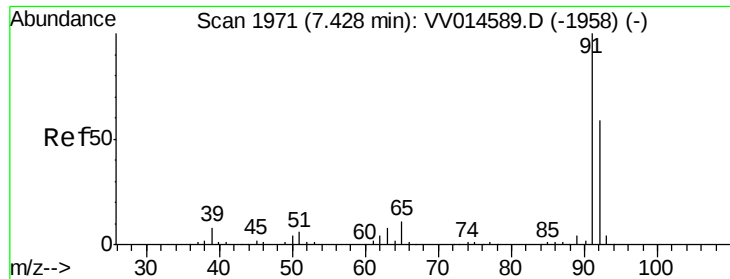


#40

4-Methyl-2-pentanone
Concen: 103.207 ug/L
RT: 7.26 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VV014599.D
Acq: 17 Feb 2020 17:59

Tgt Ion: 43 Resp: 215898
Ion Ratio Lower Upper
43 100
58 44.0 35.6 53.4
100 19.7 16.0 24.0





#42

Toluene

Concen: 50.325 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV014599.D

Acq: 17 Feb 2020 17:59

Instrument :

MSVOA_V

ClientSampleId :

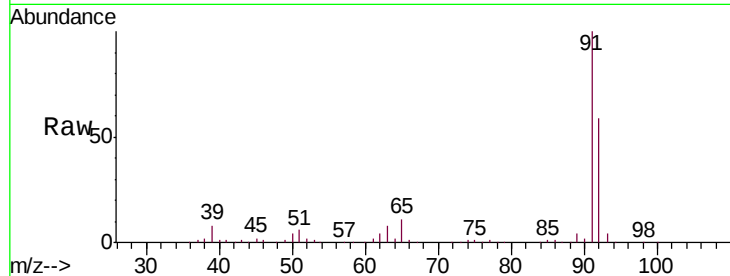
VSTD050212

Tgt Ion: 91 Resp: 382376

Ion Ratio Lower Upper

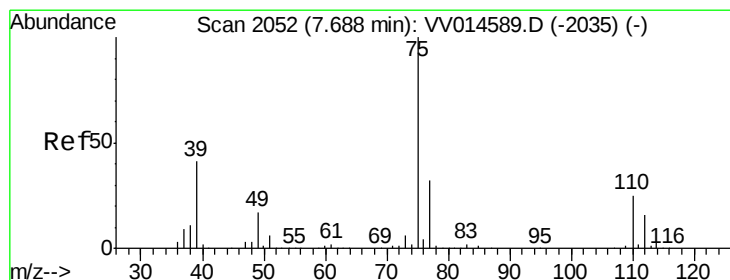
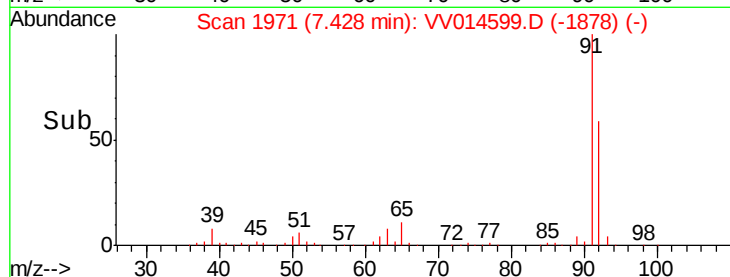
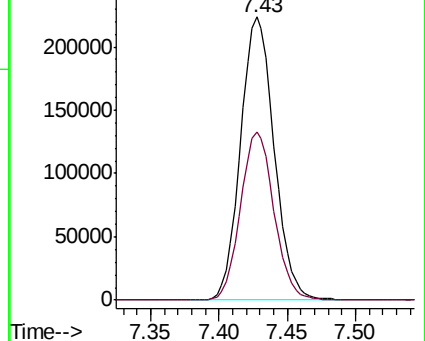
91 100

92 59.5 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 50.423 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014599.D

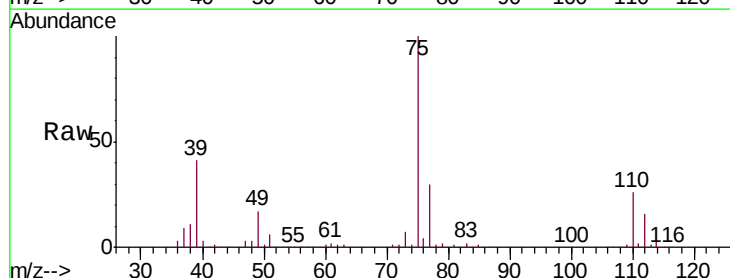
Acq: 17 Feb 2020 17:59

Tgt Ion: 75 Resp: 139377

Ion Ratio Lower Upper

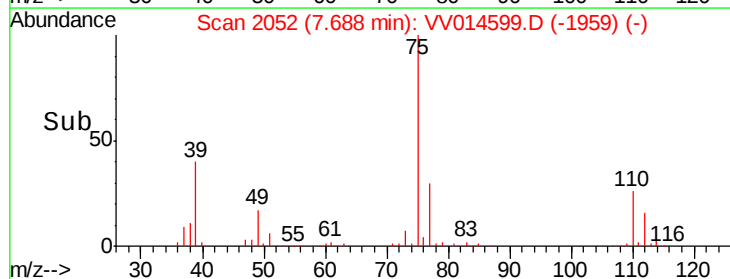
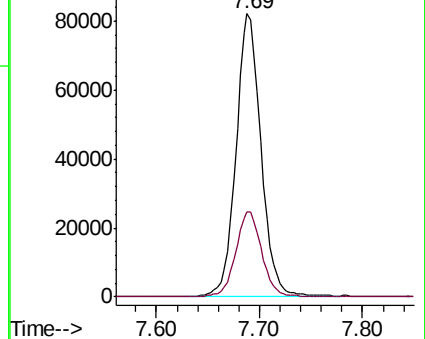
75 100

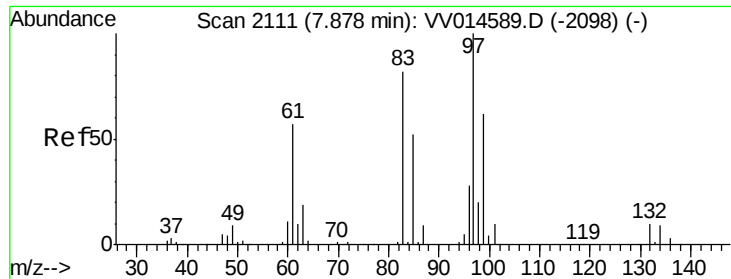
77 30.2 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

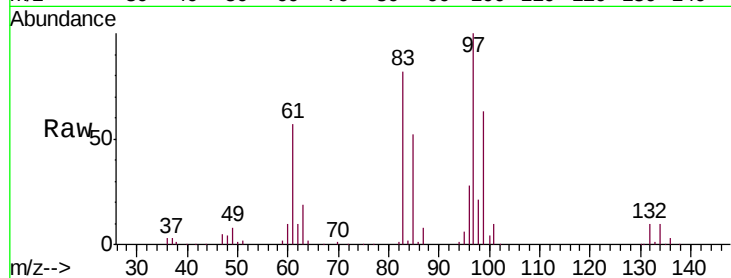




#45
 1,1,2-Trichloroethane
 Concen: 51.631 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV014599.D
 Acq: 17 Feb 2020 17:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050212

Tgt Ion:	97	Resp:	92935
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.4	80.6
83	82.1	57.6	107.0
85	51.8	36.1	67.1



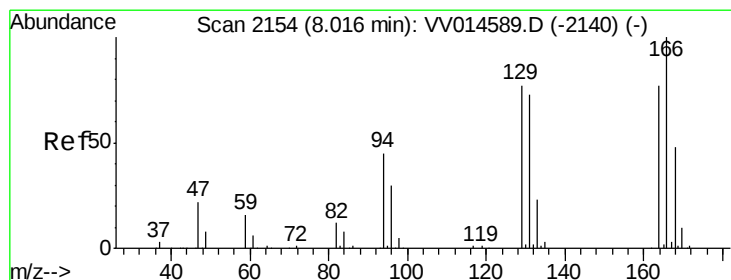
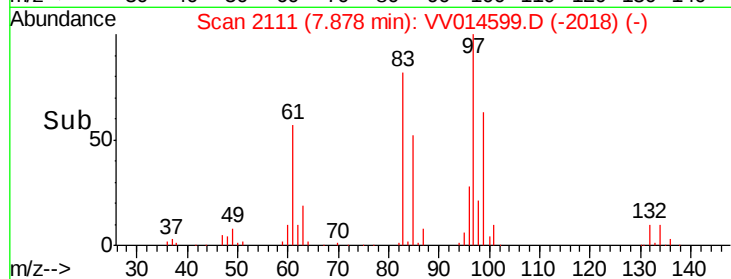
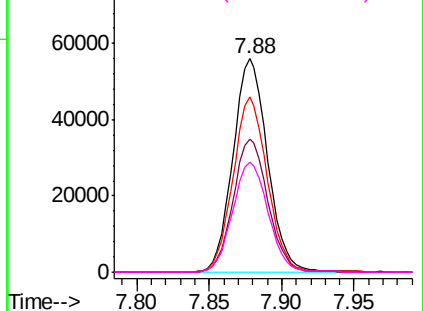
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

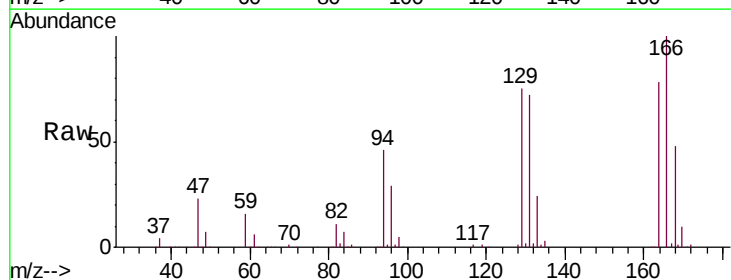
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 48.645 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV014599.D
 Acq: 17 Feb 2020 17:59

Tgt Ion:	164	Resp:	73176
Ion	Ratio	Lower	Upper
164	100		
129	97.0	69.8	129.6
131	92.9	66.2	123.0
166	128.9	90.9	168.9



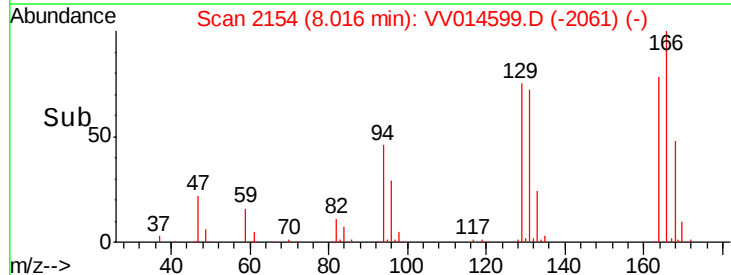
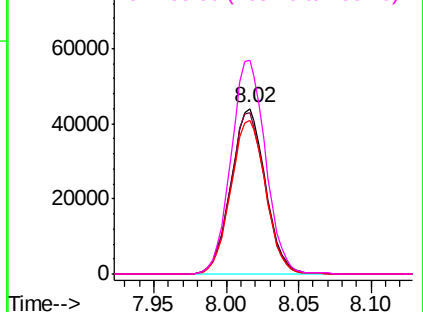
Abundance

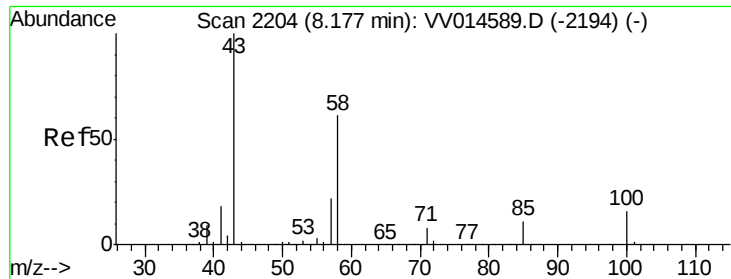
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 101.995 ug/L

RT: 8.18 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VV014599.D

Acq: 17 Feb 2020 17:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD050212

Tgt Ion: 43 Resp: 166569

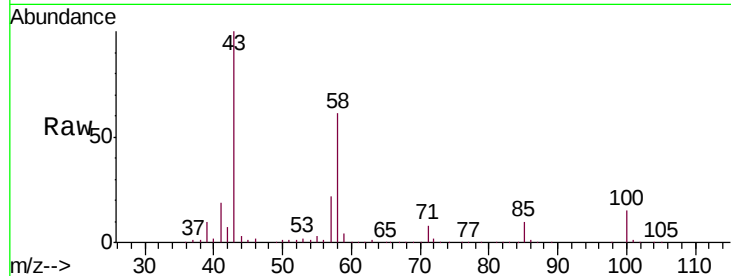
Ion Ratio Lower Upper

43 100

58 58.6 49.8 74.6

57 21.0 17.0 25.6

100 15.5 13.4 20.2

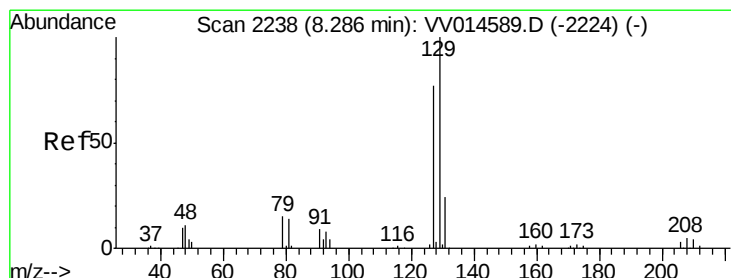
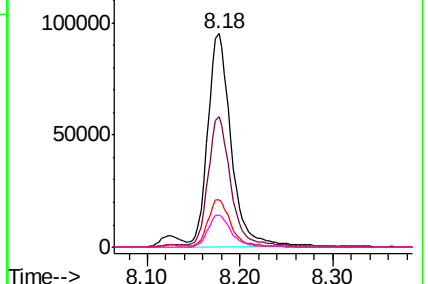
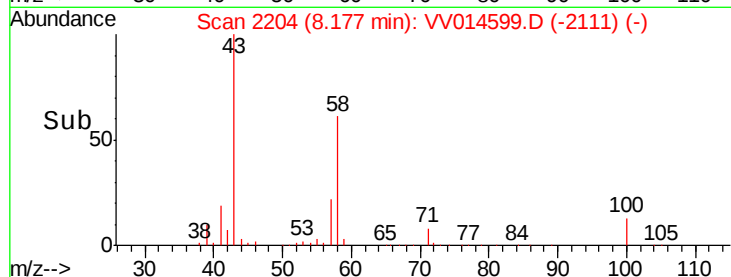


Abundance Ion 43.00 (42.70 to 43.70): VV014589.D (-2194) (-)

Ion 58.00 (57.70 to 58.70): VV014589.D (-2194) (-)

Ion 57.00 (56.70 to 57.70): VV014589.D (-2194) (-)

Ion 100.00 (99.70 to 100.70): VV014589.D (-2194) (-)



#49

Dibromochloromethane

Concen: 50.067 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. -0.00 min

Lab File: VV014599.D

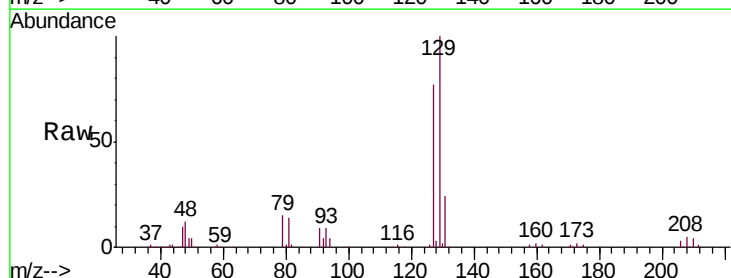
Acq: 17 Feb 2020 17:59

Tgt Ion: 129 Resp: 109182

Ion Ratio Lower Upper

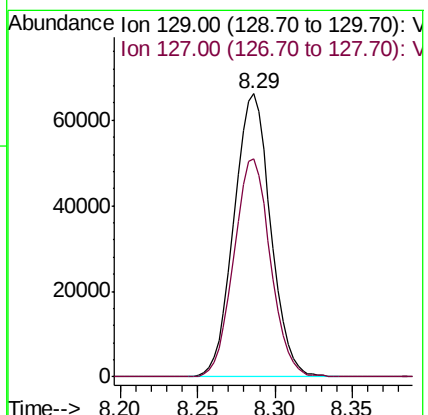
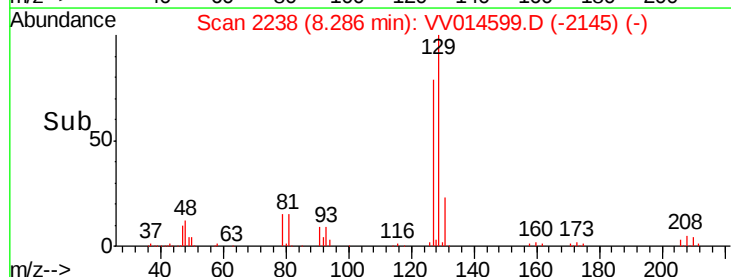
129 100

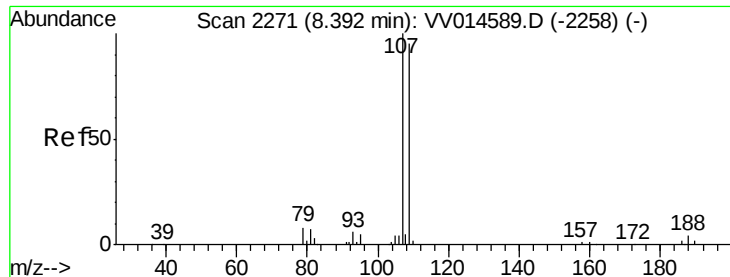
127 76.9 53.8 100.0



Abundance Ion 129.00 (128.70 to 129.70): VV014589.D (-2224) (-)

Ion 127.00 (126.70 to 127.70): VV014589.D (-2224) (-)





#50

1,2-Dibromoethane

Concen: 50.187 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV014599.D

Acq: 17 Feb 2020 17:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD050212

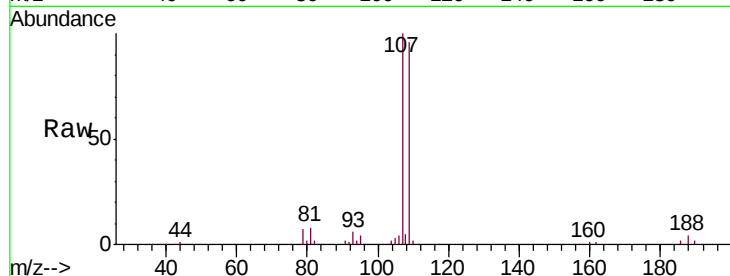
Tgt Ion:107 Resp: 99263

Ion Ratio Lower Upper

107 100

109 96.3 66.5 123.5

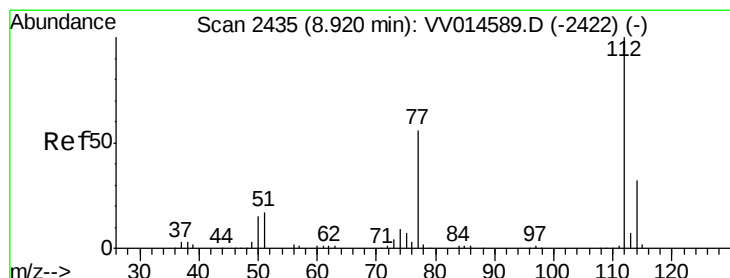
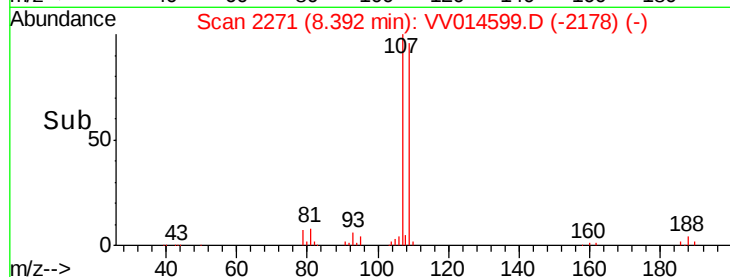
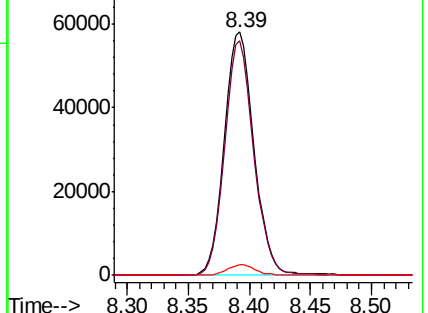
188 4.5 3.3 4.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 50.094 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VV014599.D

Acq: 17 Feb 2020 17:59

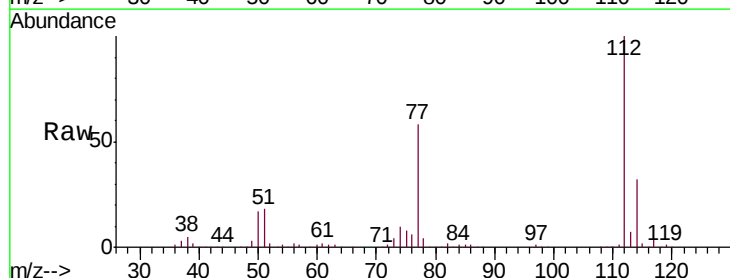
Tgt Ion:112 Resp: 257396

Ion Ratio Lower Upper

112 100

114 32.0 22.4 41.6

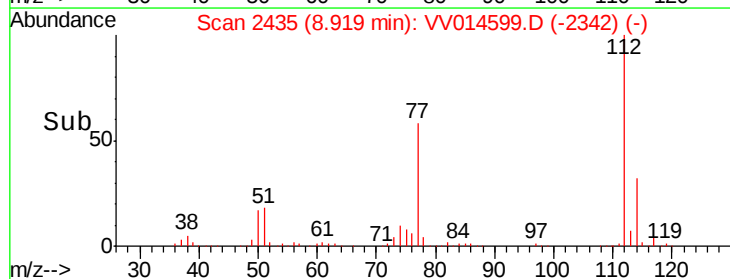
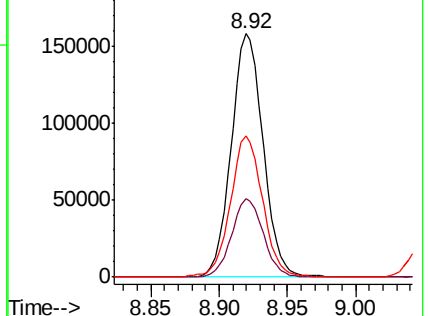
77 58.2 45.5 68.3

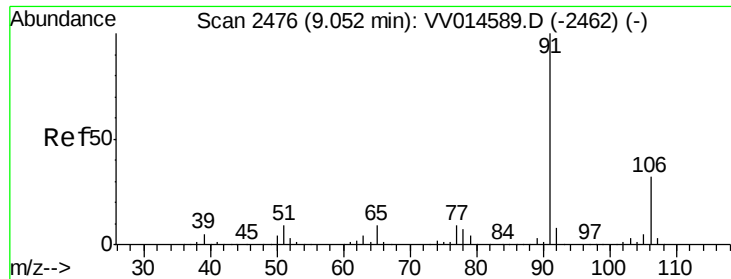


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 50.153 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV014599.D

Acq: 17 Feb 2020 17:59

Instrument :

MSVOA_V

ClientSampleId :

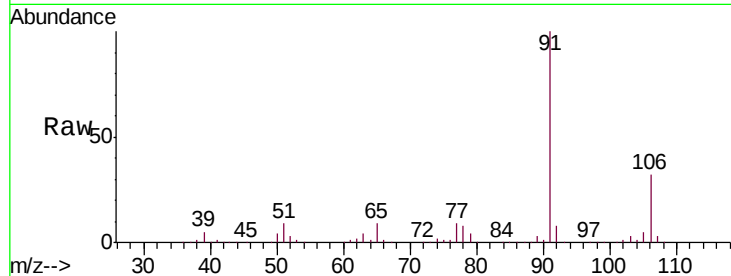
VSTD050212

Tgt Ion: 91 Resp: 438060

Ion Ratio Lower Upper

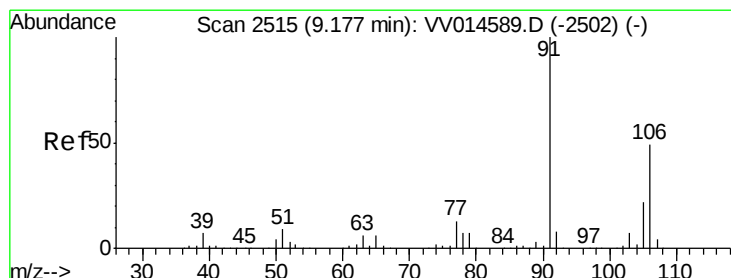
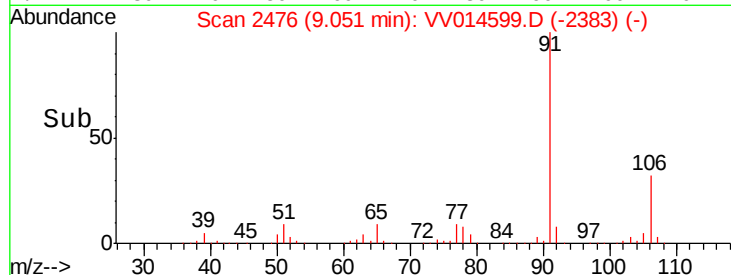
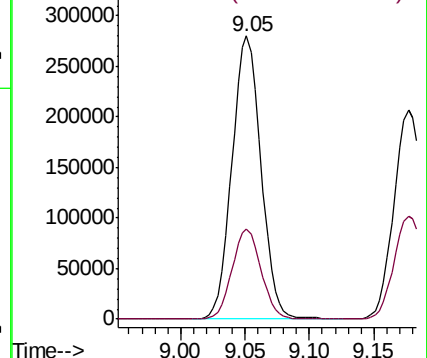
91 100

106 31.7 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 49.797 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014599.D

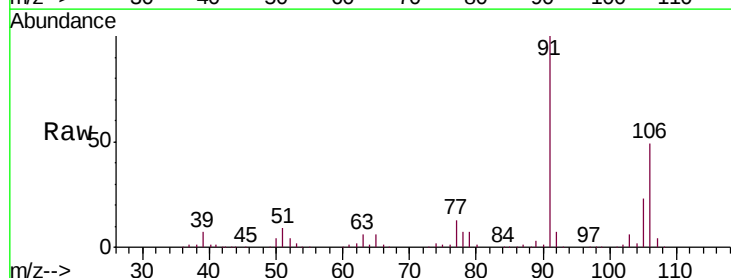
Acq: 17 Feb 2020 17:59

Tgt Ion: 106 Resp: 168264

Ion Ratio Lower Upper

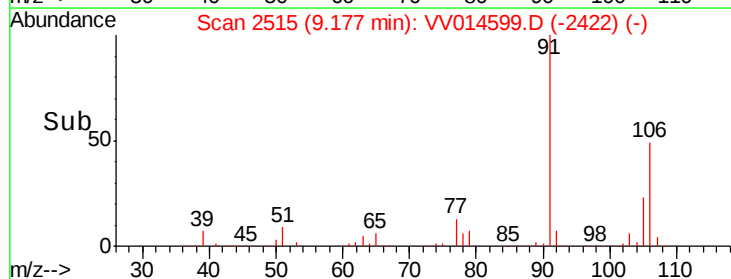
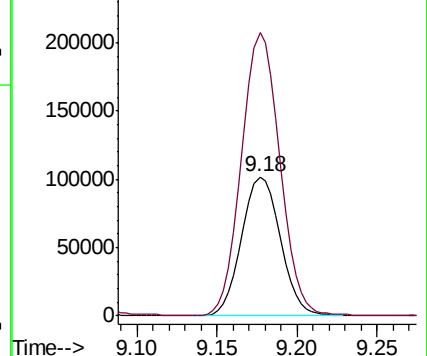
106 100

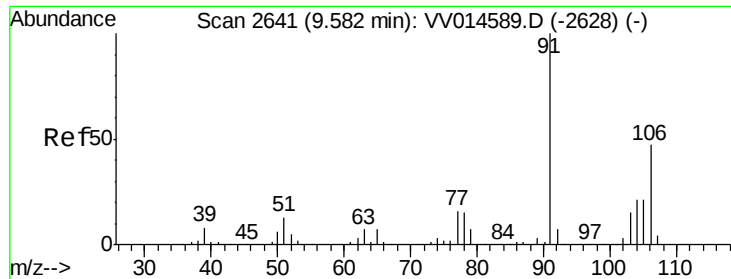
91 203.5 141.7 263.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

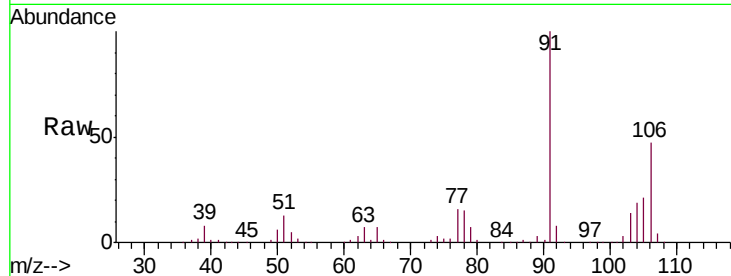




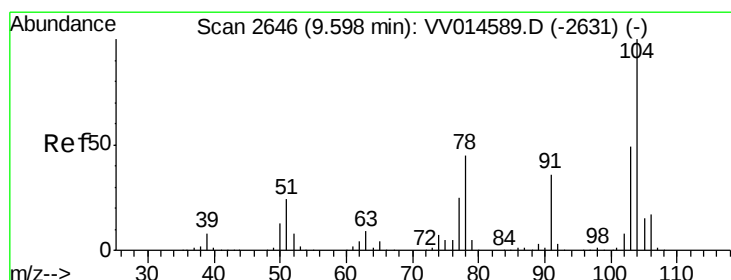
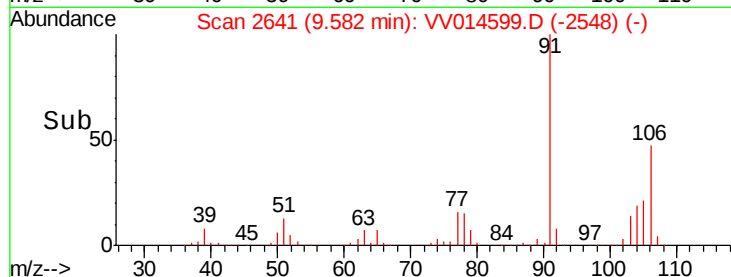
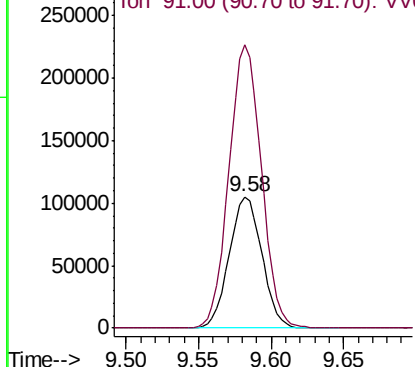
#54
o-Xylene
Concen: 50.472 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV014599.D
Acq: 17 Feb 2020 17:59

Instrument :
MSVOA_V
ClientSampled :
VSTD050212

Tgt Ion:106 Resp: 164221
Ion Ratio Lower Upper
106 100
91 215.0 150.5 279.5

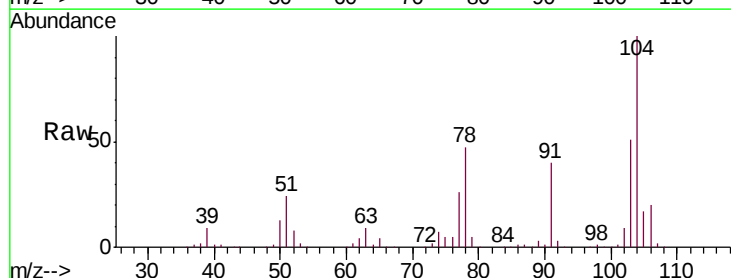


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

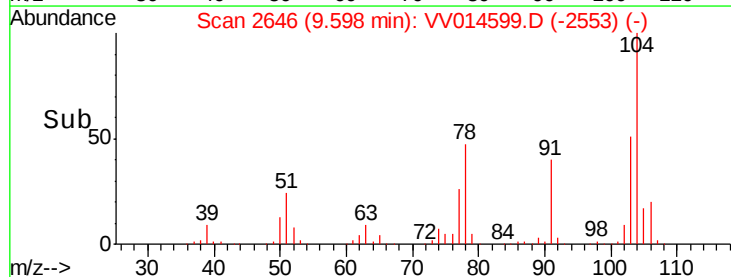
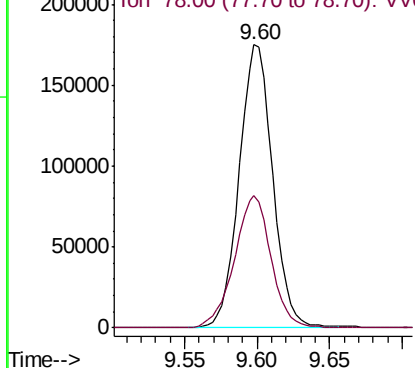


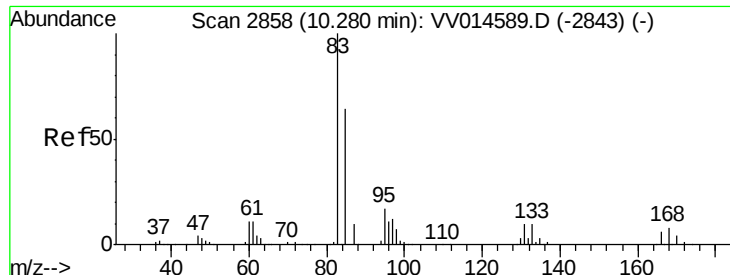
#55
Styrene
Concen: 50.829 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV014599.D
Acq: 17 Feb 2020 17:59

Tgt Ion:104 Resp: 281648
Ion Ratio Lower Upper
104 100
78 46.8 31.9 59.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0

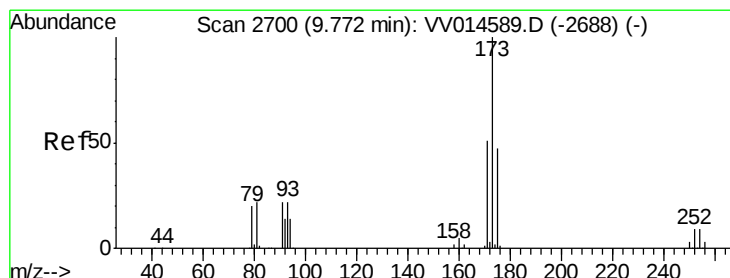
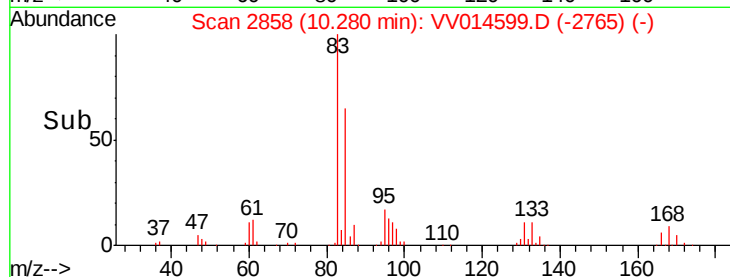
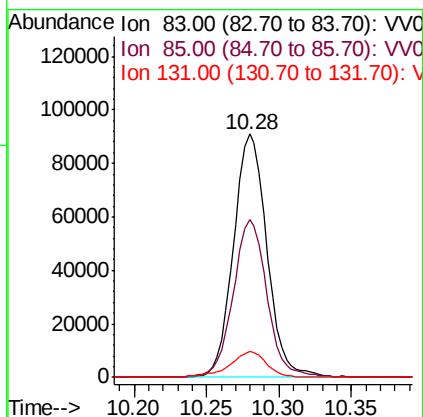
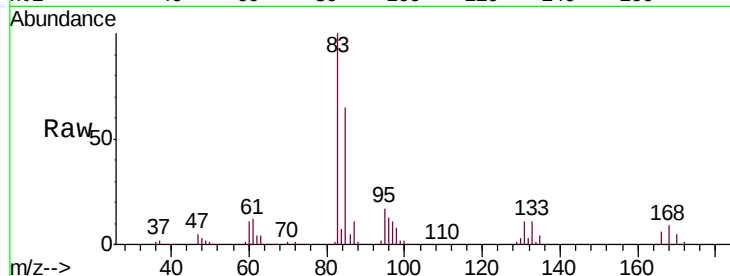




#57
 1,1,2,2-Tetrachloroethane
 Concen: 50.898 ug/L
 RT: 10.28 min Scan# 2858
 Delta R.T. -0.00 min
 Lab File: VV014599.D
 Acq: 17 Feb 2020 17:59

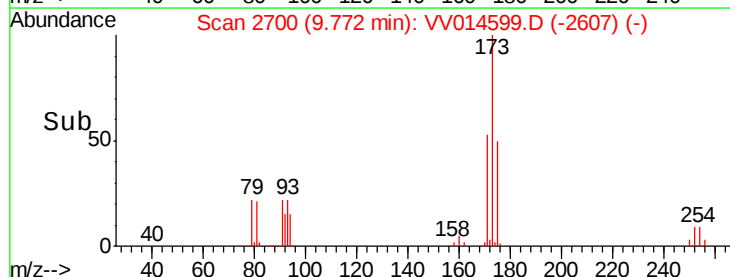
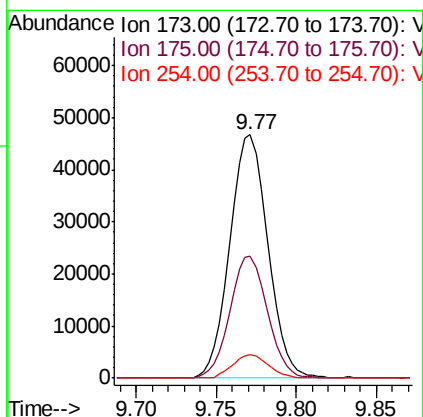
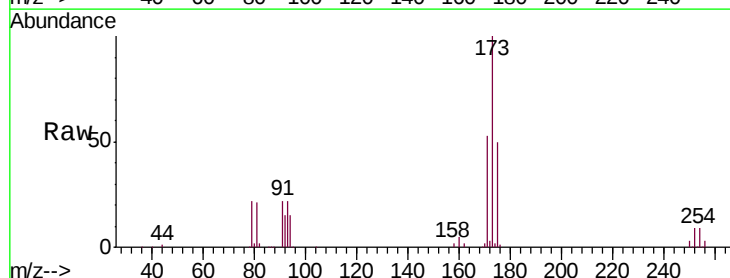
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050212

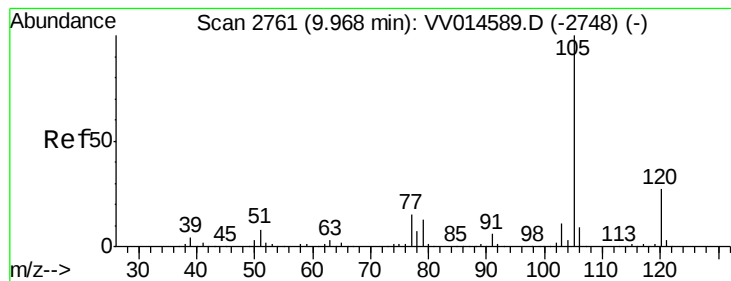
Tgt Ion: 83 Resp: 145822
 Ion Ratio Lower Upper
 83 100
 85 64.9 44.9 83.3
 131 10.5 8.4 12.6



#59
 Bromoform
 Concen: 50.008 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. -0.00 min
 Lab File: VV014599.D
 Acq: 17 Feb 2020 17:59

Tgt Ion: 173 Resp: 75784
 Ion Ratio Lower Upper
 173 100
 175 49.4 38.5 57.7
 254 8.9 7.4 11.0





#60

Isopropylbenzene

Concen: 50.925 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014599.D

Acq: 17 Feb 2020 17:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD050212

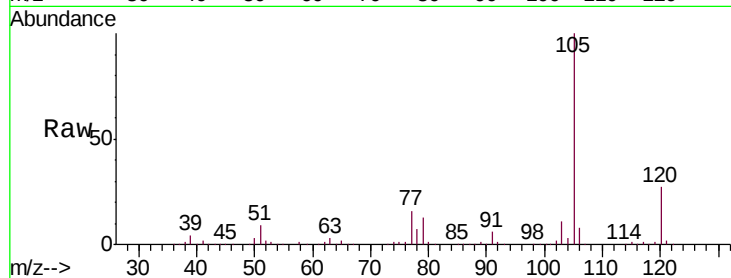
Tgt Ion: 105 Resp: 433887

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.0

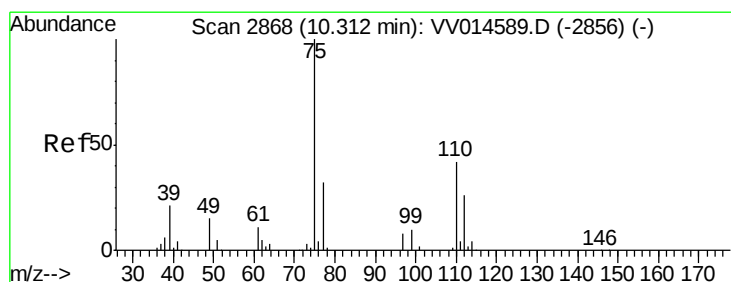
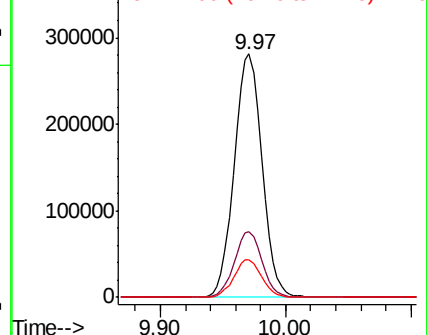
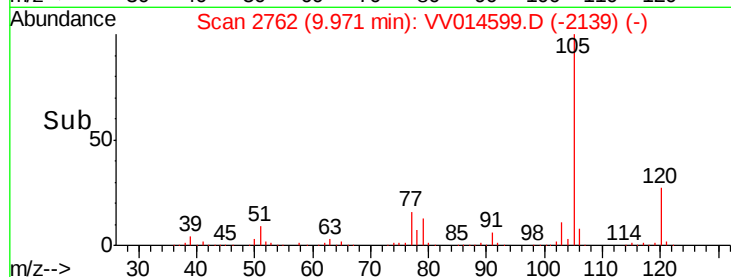
77 15.4 12.2 18.2



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



#61

1,2,3-Trichloropropane

Concen: 51.866 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014599.D

Acq: 17 Feb 2020 17:59

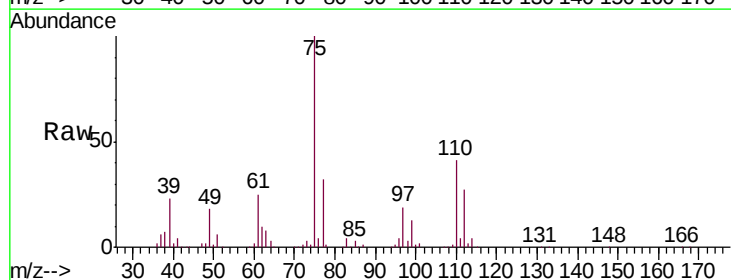
Tgt Ion: 75 Resp: 116041

Ion Ratio Lower Upper

75 100

77 32.4 25.6 38.4

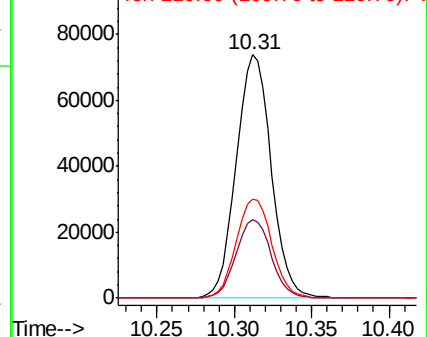
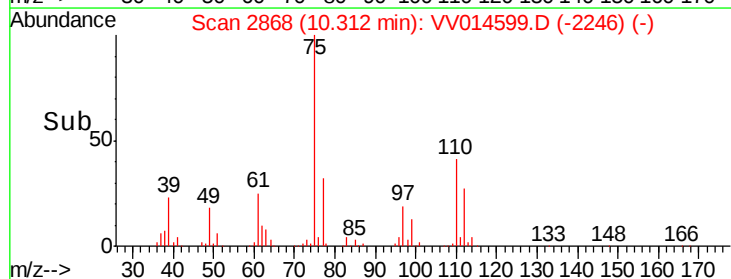
110 41.7 33.4 50.0

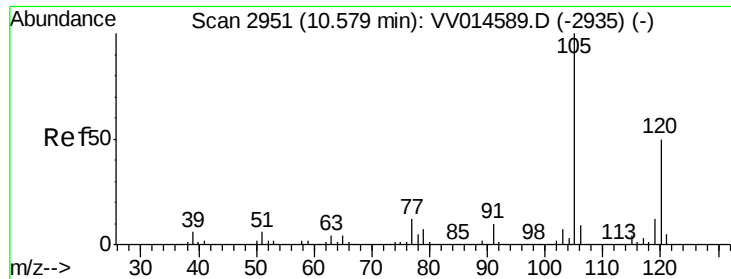


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

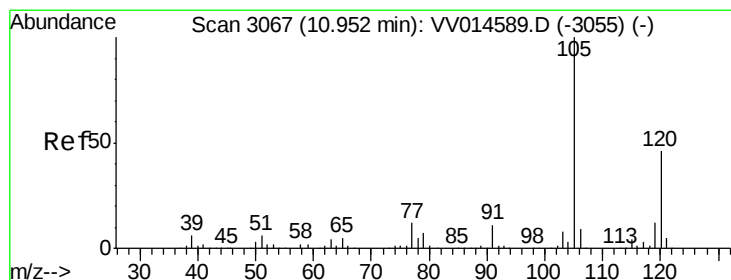
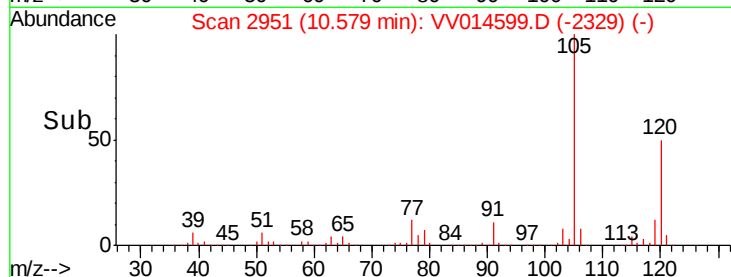
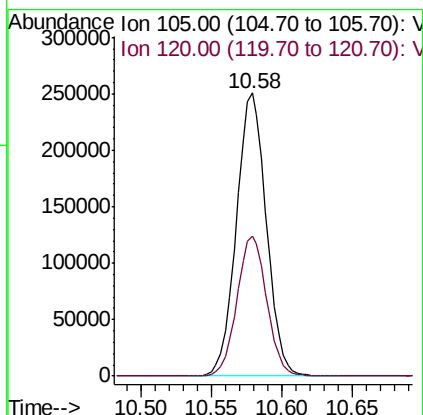
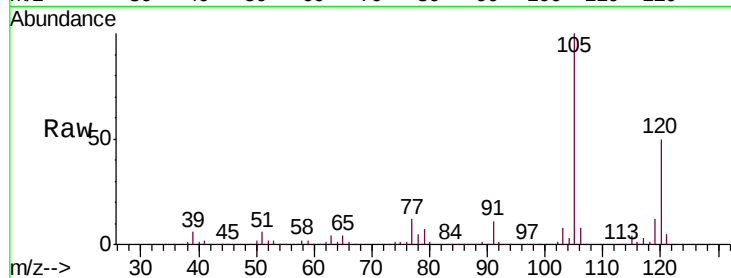




#62
 1,3,5-Trimethylbenzene
 Concen: 51.251 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VV014599.D
 Acq: 17 Feb 2020 17:59

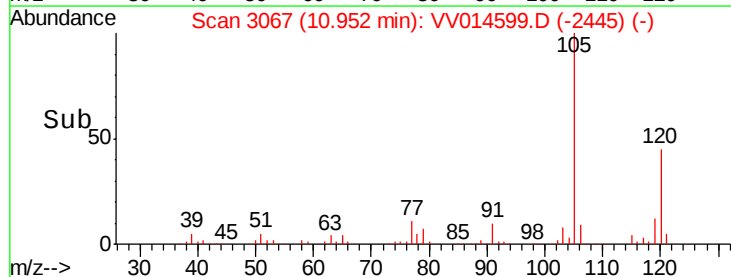
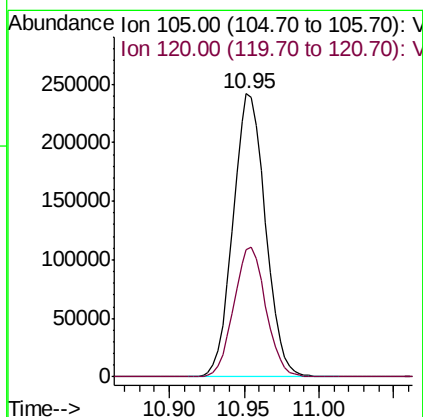
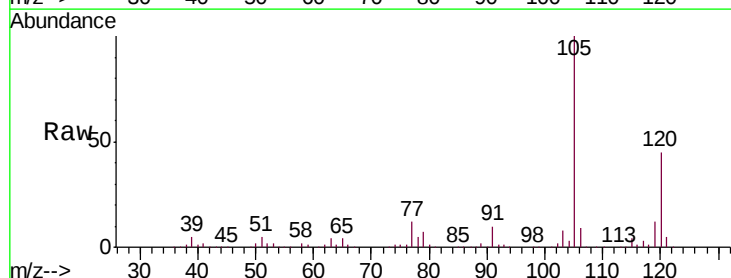
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050212

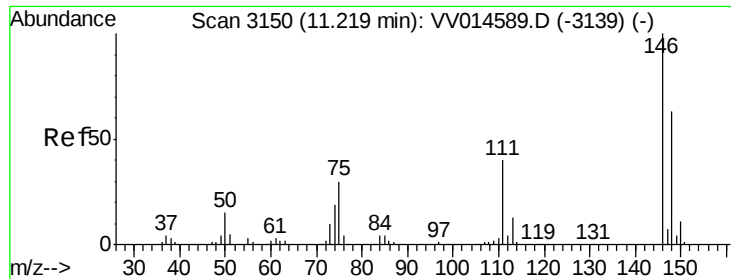
Tgt Ion:105 Resp: 373108
 Ion Ratio Lower Upper
 105 100
 120 49.2 39.8 59.6



#63
 1,2,4-Trimethylbenzene
 Concen: 51.345 ug/L
 RT: 10.95 min Scan# 3067
 Delta R.T. -0.00 min
 Lab File: VV014599.D
 Acq: 17 Feb 2020 17:59

Tgt Ion:105 Resp: 365138
 Ion Ratio Lower Upper
 105 100
 120 45.5 36.6 55.0

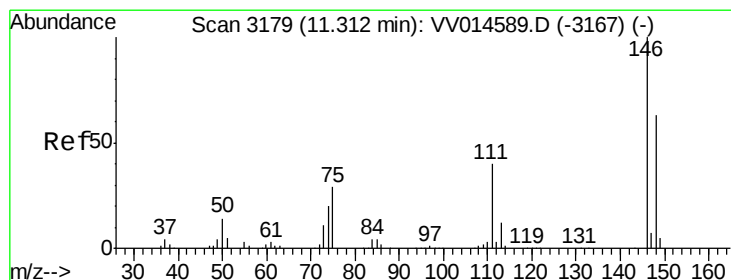
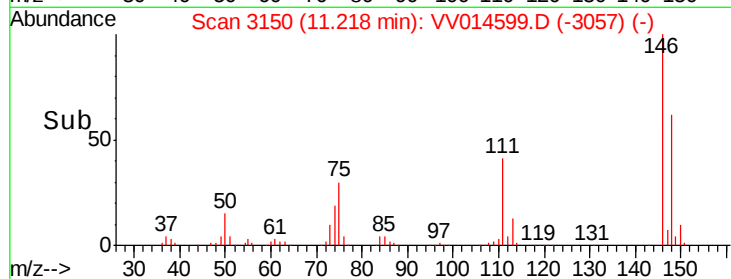
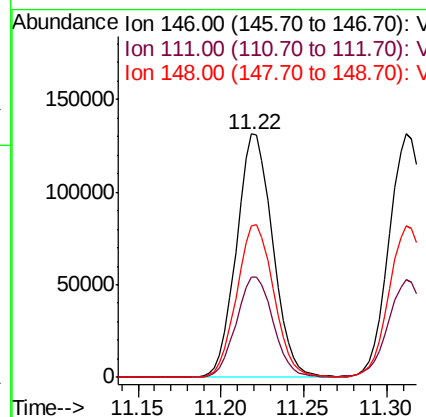
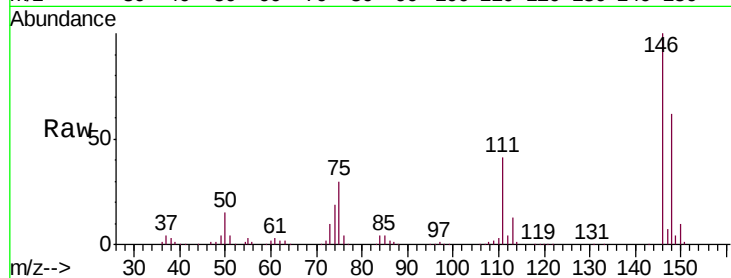




#64
 1,3-Dichlorobenzene
 Concen: 49.120 ug/L
 RT: 11.22 min Scan# 3150
 Delta R.T. -0.00 min
 Lab File: VV014599.D
 Acq: 17 Feb 2020 17:59

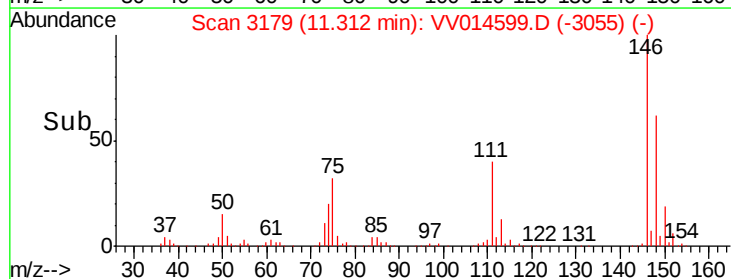
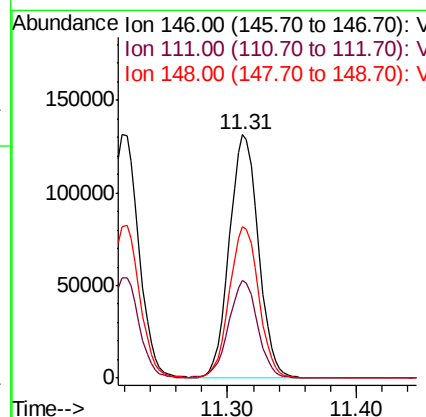
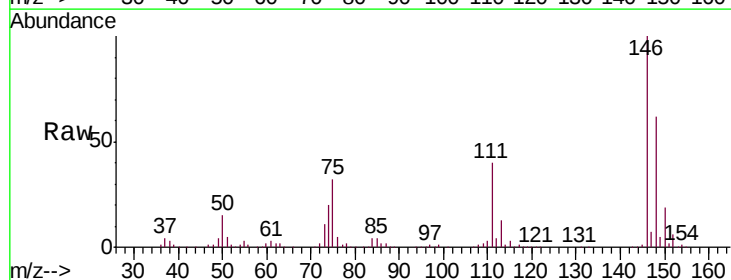
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050212

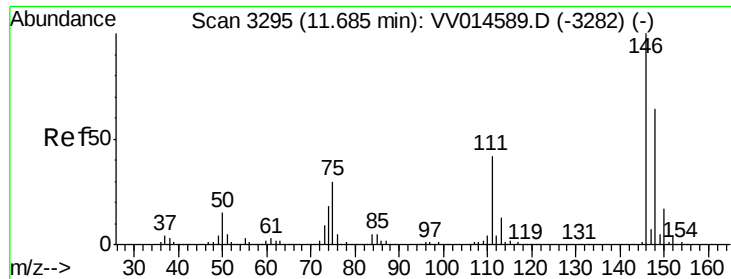
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	28.3	52.5
148	62.0	44.0	81.8



#65
 1,4-Dichlorobenzene
 Concen: 49.013 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. -0.00 min
 Lab File: VV014599.D
 Acq: 17 Feb 2020 17:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	27.9	51.9
148	62.3	44.2	82.2

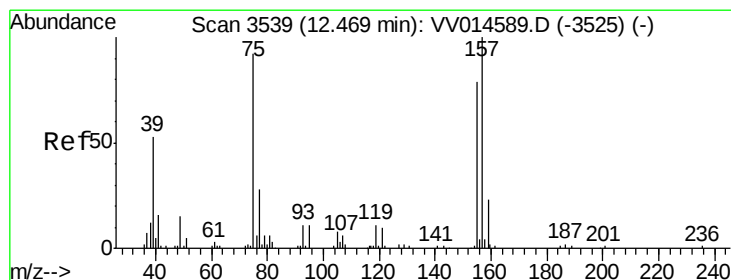
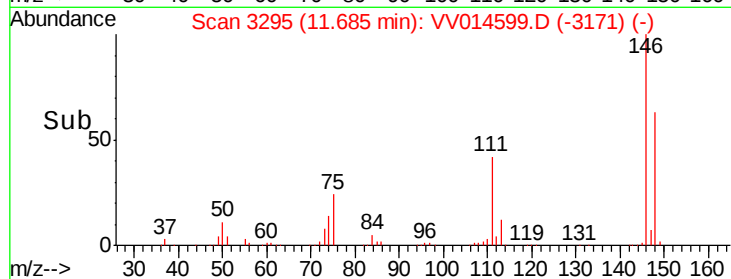
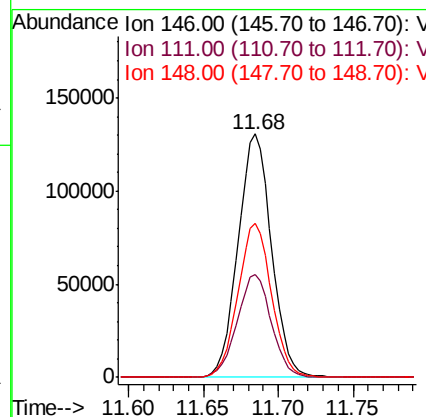
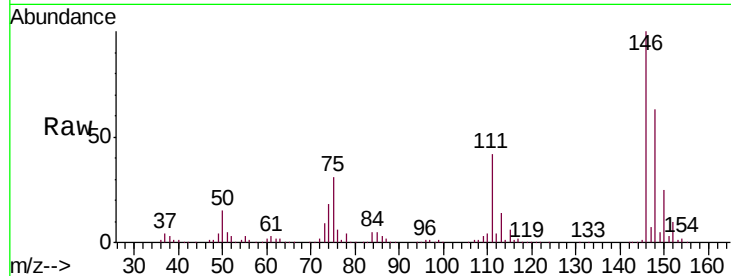




#67
 1,2-Dichlorobenzene
 Concen: 50.603 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014599.D
 Acq: 17 Feb 2020 17:59

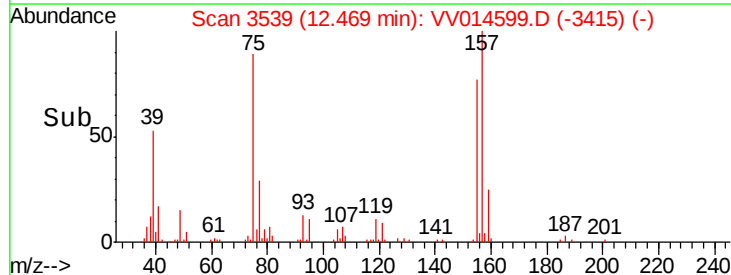
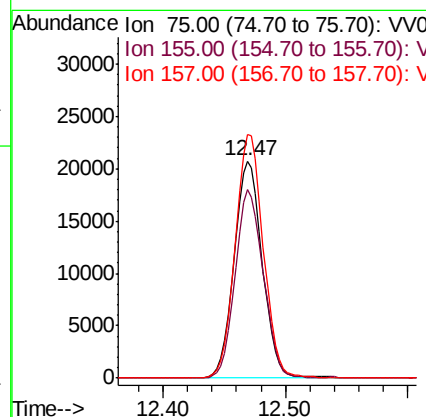
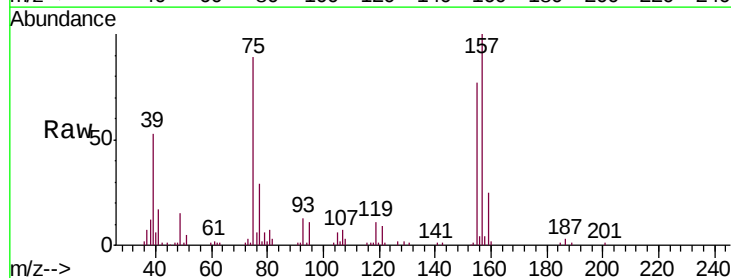
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050212

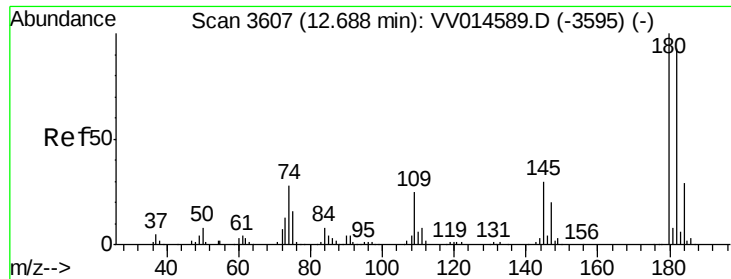
Tgt Ion: 146 Resp: 203391
 Ion Ratio Lower Upper
 146 100
 111 42.5 34.1 51.1
 148 63.4 51.1 76.7



#68
 1,2-Dibromo-3-chloropropane
 Concen: 49.573 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV014599.D
 Acq: 17 Feb 2020 17:59

Tgt Ion: 75 Resp: 33335
 Ion Ratio Lower Upper
 75 100
 155 86.7 69.4 104.0
 157 112.1 87.4 131.0

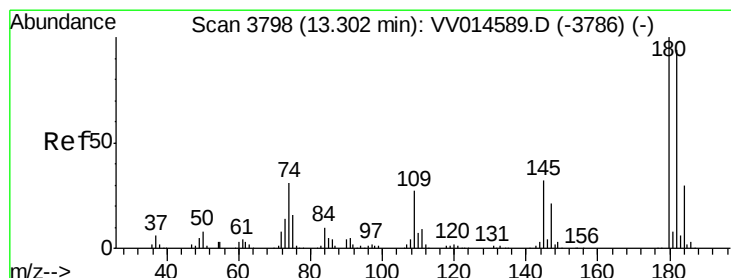
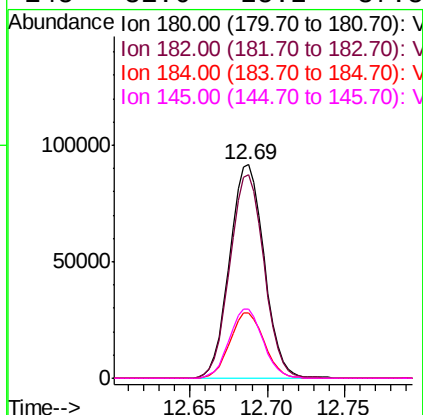
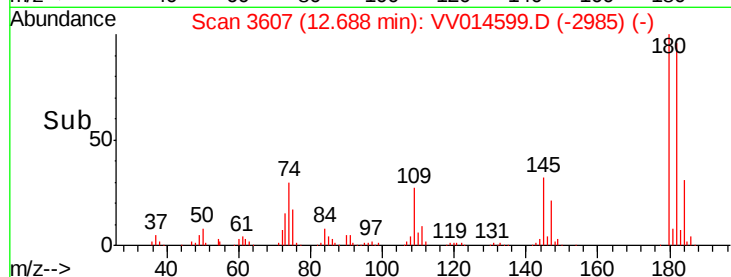
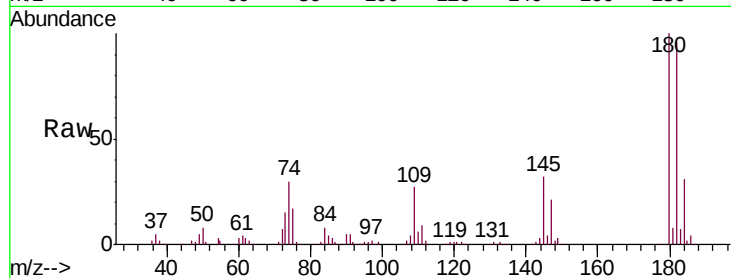




#69
 1,3,5-Trichlorobenzene
 Concen: 48.023 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV014599.D
 Acq: 17 Feb 2020 17:59

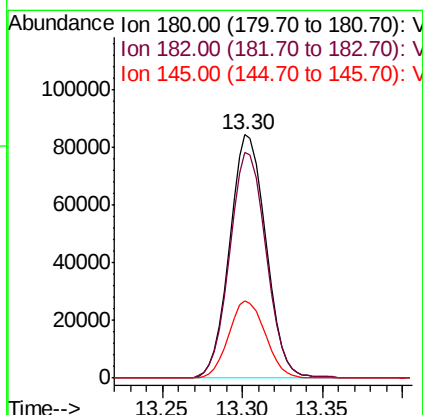
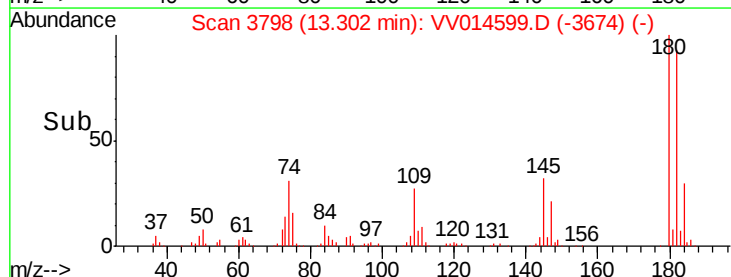
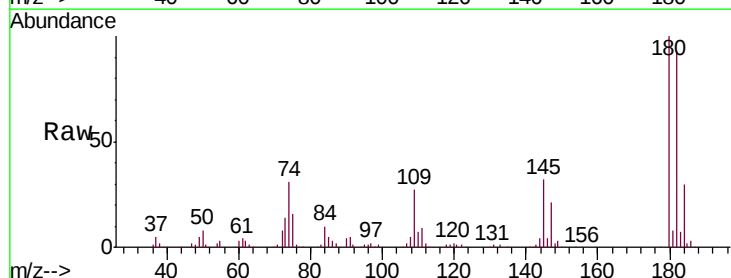
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050212

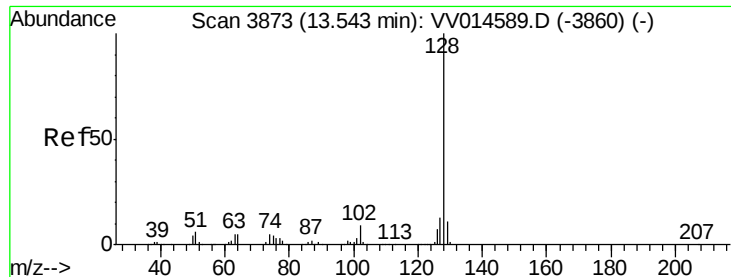
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.6	113.4
184	30.4	23.4	35.2
145	31.6	25.2	37.8



#70
 1,2,4-trichlorobenzene
 Concen: 48.877 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014599.D
 Acq: 17 Feb 2020 17:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	75.8	113.6
145	32.0	25.5	38.3

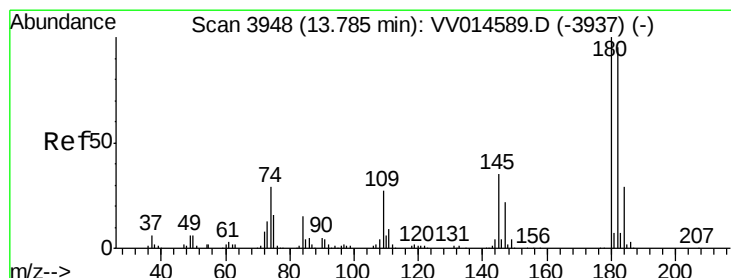
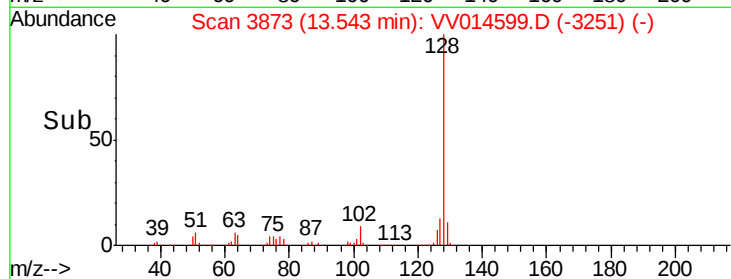
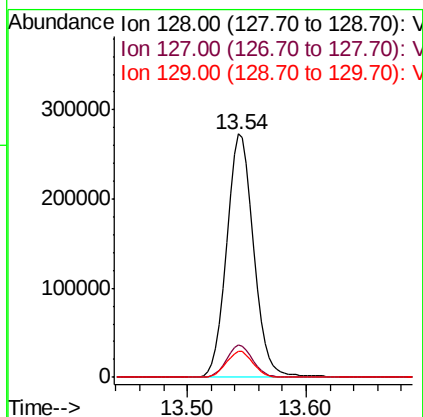
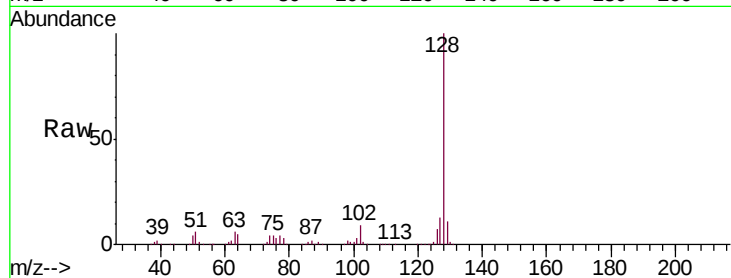




#71
Naphthalene
Concen: 52.429 ug/L
RT: 13.54 min Scan# 3873
Delta R.T. -0.00 min
Lab File: VV014599.D
Acq: 17 Feb 2020 17:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD050212

Tgt Ion:128 Resp: 428164
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.7 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 49.813 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. 0.00 min
Lab File: VV014599.D
Acq: 17 Feb 2020 17:59

Tgt Ion:180 Resp: 129692
Ion Ratio Lower Upper
180 100
182 94.8 76.0 114.0
145 34.6 27.7 41.5

