

Data File : VV012578.D
Acq On : 04 Sep 2019 20:10
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00542

Quant Time: Sep 05 01:33:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 05 01:26:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	150332	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	151181	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	72168	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	54429	3.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.60%
7) Chloroethane-d5	1.58	69	58810	4.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.40%
11) 1,1-Dichloroethene-d2	2.13	63	160761	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.20%
20) 2-Butanone-d5	3.96	46	157210	56.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.02%
24) Chloroform-d	4.40	84	101957	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.08	65	55864	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.10	84	178766	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
36) 1,2-Dichloropropane-d6	6.12	67	59056	4.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.20%
41) Toluene-d8	7.36	98	166437	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
43) trans-1,3-Dichloropropene-	7.66	79	20667	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
46) 2-Hexanone-d5	8.14	63	105280	57.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.00%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	46821	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	55399	4.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	89267	4.637	ug/L 99
3) Chloromethane	1.25	50	117037	5.134	ug/L 96
5) Vinyl chloride	1.32	62	125914	5.091	ug/L 99
6) Bromomethane	1.54	94	72844	4.953	ug/L 100
8) Chloroethane	1.60	64	84730	4.997	ug/L 98
9) Trichlorofluoromethane	1.77	101	198049	5.223	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	108982	5.151	ug/L 99
12) 1,1-Dichloroethene	2.14	96	103345	5.314	ug/L 95
13) Acetone	2.23	43	221513	56.107	ug/L 99
14) Carbon disulfide	2.32	76	299182	4.785	ug/L 99
15) Methyl Acetate	2.47	43	61449	6.422	ug/L 99
16) Methylene chloride	2.53	84	120695	5.394	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	167433	5.069	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	72646	4.672	ug/L 96
19) 1,1-Dichloroethane	3.23	63	144901	4.842	ug/L 100
21) 2-Butanone	4.05	43	217856	57.672	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	72964	4.541	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	32025	4.990	ug/L	97
25) Chloroform	4.43	83	148778	4.744	ug/L	98
27) 1,2-Dichloroethane	5.18	62	97631	5.347	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	116421	4.647	ug/L	99
30) Cyclohexane	4.72	56	115672	4.475	ug/L	99
31) Carbon tetrachloride	4.87	117	101384	4.655	ug/L	99
33) Benzene	5.14	78	307293	4.950	ug/L	100
34) Trichloroethene	5.96	95	76968	4.475	ug/L	98
35) Methylcyclohexane	6.18	83	113616	4.346	ug/L	97
37) 1,2-Dichloropropane	6.22	63	78657	4.736	ug/L	100
38) Bromodichloromethane	6.55	83	103428	4.925	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	99062	4.586	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	561465	58.181	ug/L	100
42) Toluene	7.43	91	329314	4.881	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	81864	4.782	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	55139	5.250	ug/L	93
47) Tetrachloroethene	8.02	164	55636	4.477	ug/L	94
48) 2-Hexanone	8.19	43	409422	60.538	ug/L	97
49) Dibromochloromethane	8.29	129	61389	5.021	ug/L	99
50) 1,2-Dibromoethane	8.40	107	47082	5.024	ug/L	97
51) Chlorobenzene	8.92	112	194190	4.581	ug/L	98
52) Ethylbenzene	9.05	91	341286	4.637	ug/L	97
53) m,p-xylene	9.18	106	126894	4.753	ug/L	100
54) o-xylene	9.59	106	119822	4.757	ug/L	97
55) Styrene	9.60	104	213306	4.977	ug/L	99
56) Isopropylbenzene	9.97	105	319967	4.590	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	62372	5.278	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	47882	5.172	ug/L	96
61) Bromoform	9.77	173	28598	4.876	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	144240	4.629	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	143448	4.473	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	134940	4.726	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	9410	4.889	ug/L #	90
67) 1,3,5-Trichlorobenzene	12.69	180	95902	4.165	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	69995	4.220	ug/L	99
69) Naphthalene	13.55	128	110671	4.500	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	70520	4.697	ug/L	96

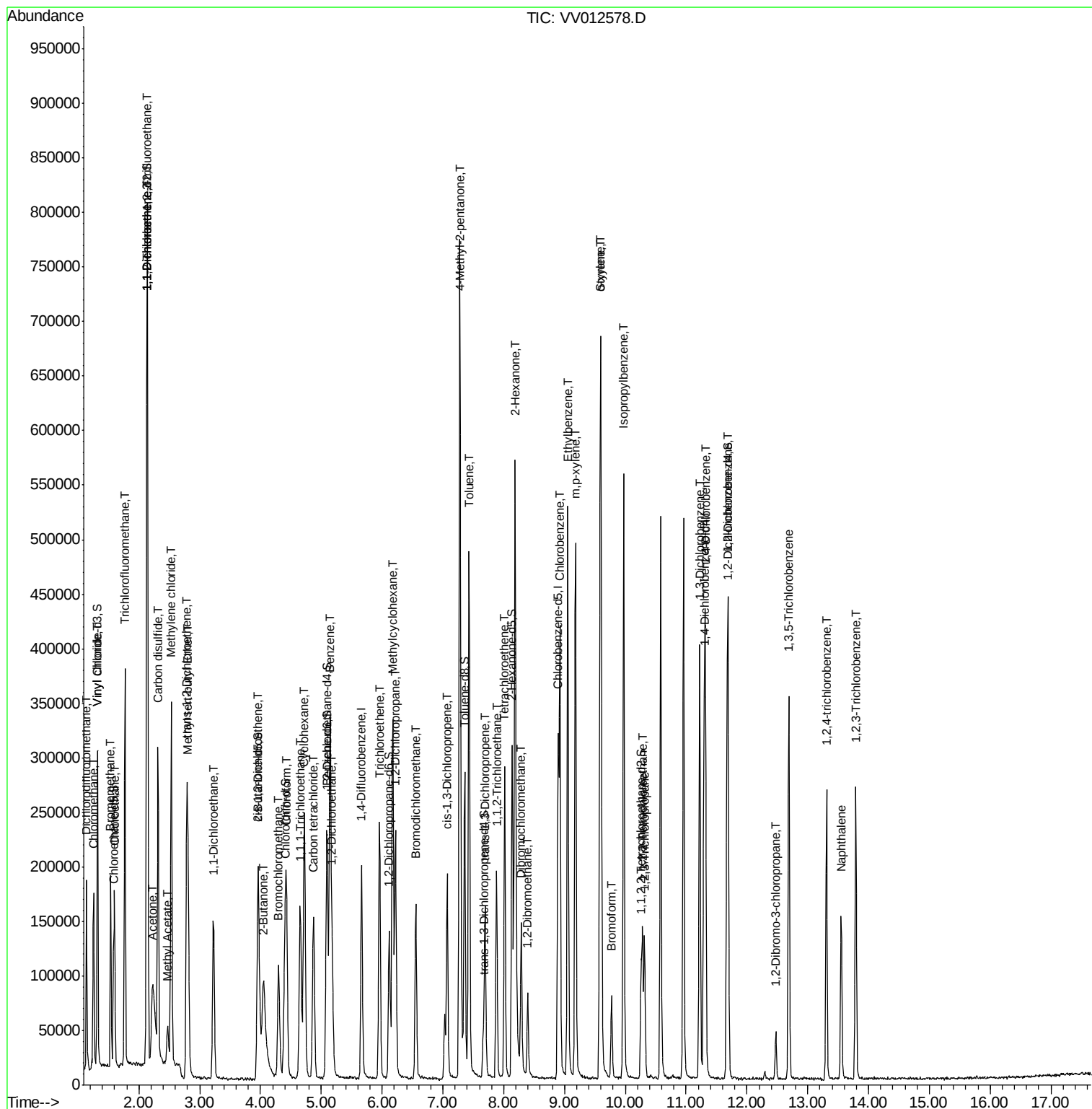
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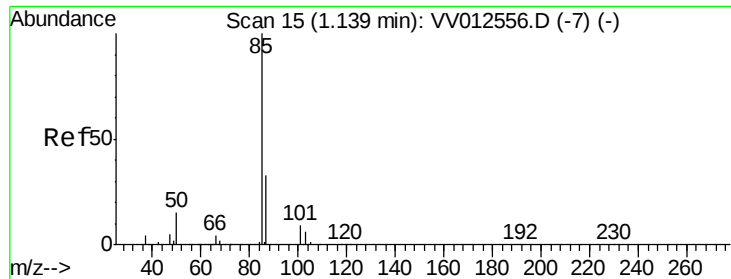
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#2

Dichlorodifluoromethane

Concen: 4.637 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

Instrument :

MSVOA_V

ClientSampleId :

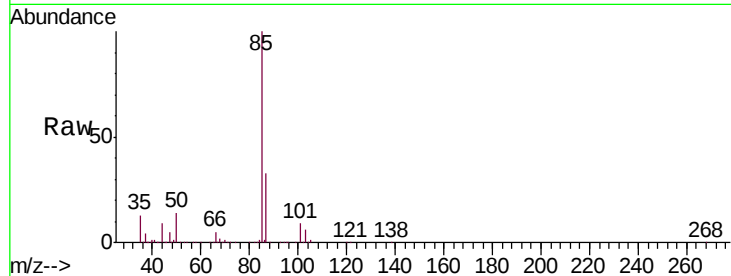
VSTD00542

Tgt Ion: 85 Resp: 89267

Ion Ratio Lower Upper

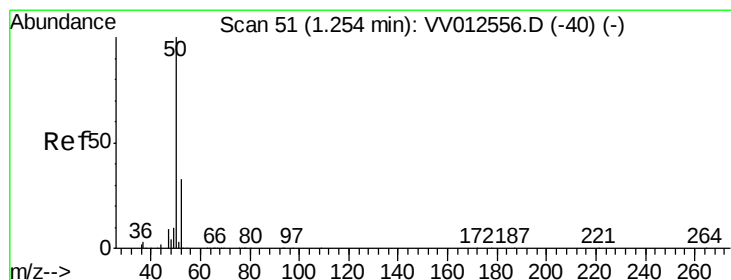
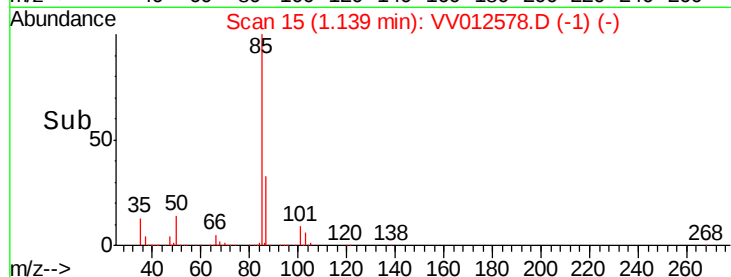
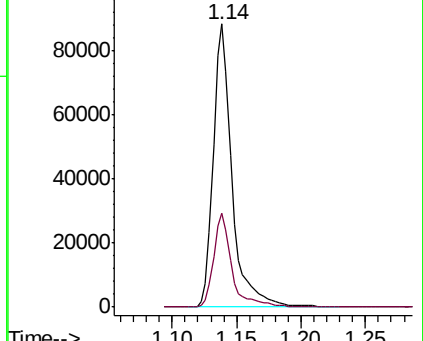
85 100

87 32.3 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.134 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV012578.D

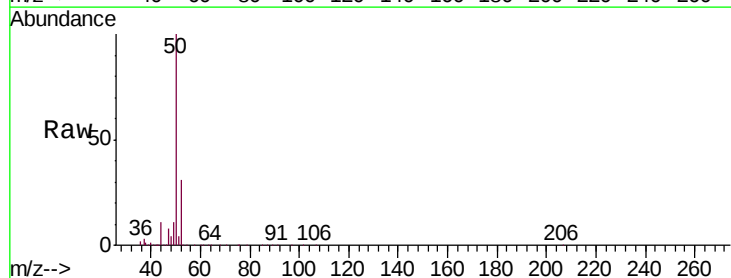
Acq: 04 Sep 2019 20:10

Tgt Ion: 50 Resp: 117037

Ion Ratio Lower Upper

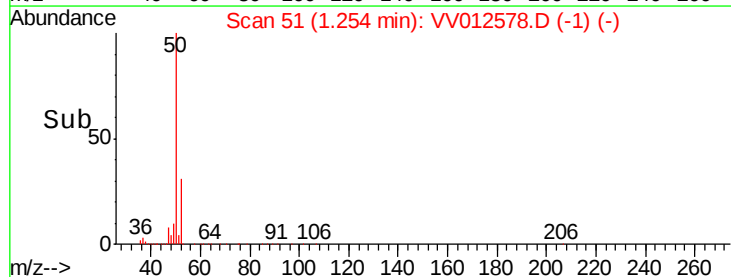
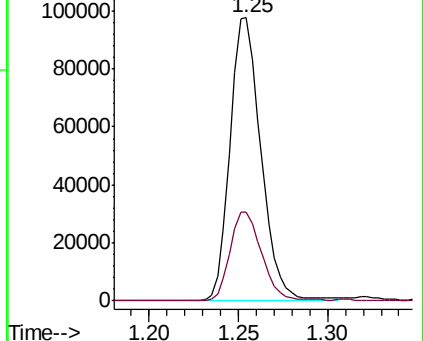
50 100

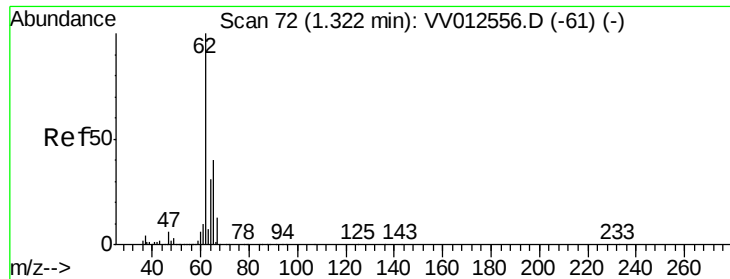
52 31.5 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.091 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

Instrument :

MSVOA_V

ClientSampleId :

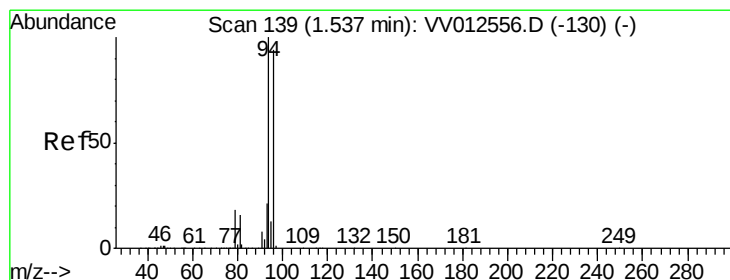
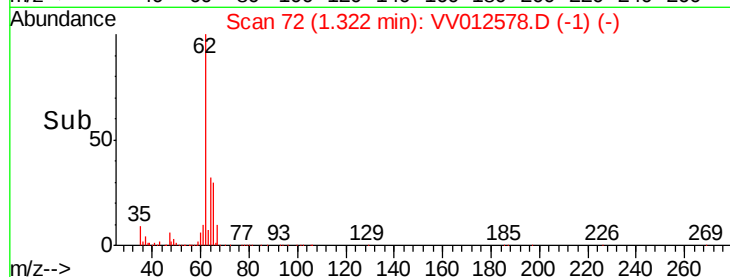
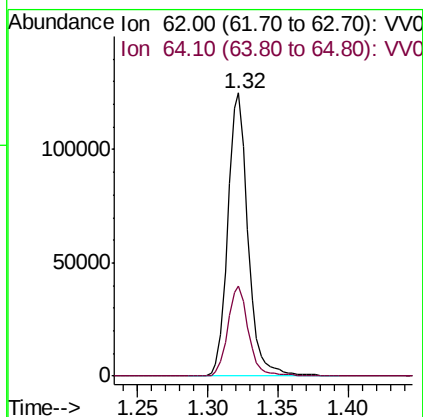
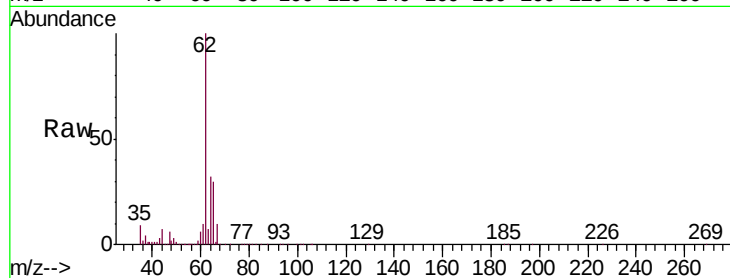
VSTD00542

Tgt Ion: 62 Resp: 125914

Ion Ratio Lower Upper

62 100

64 31.7 22.7 42.1



#6

Bromomethane

Concen: 4.953 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV012578.D

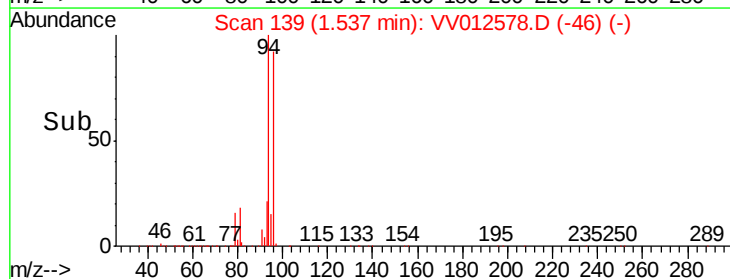
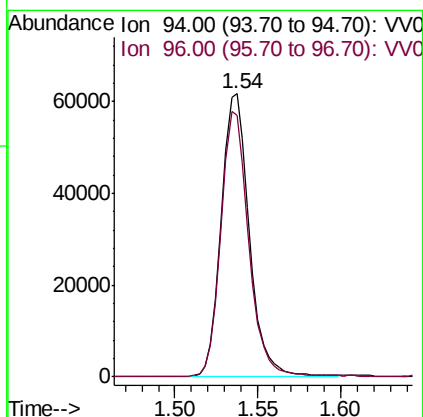
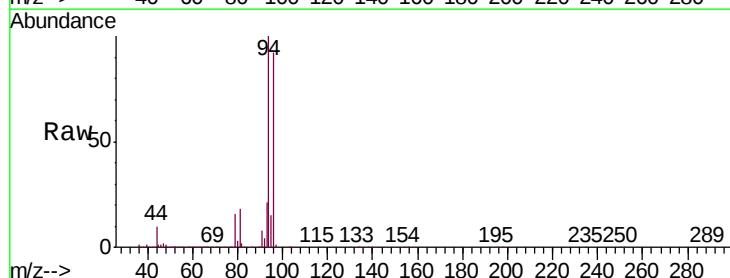
Acq: 04 Sep 2019 20:10

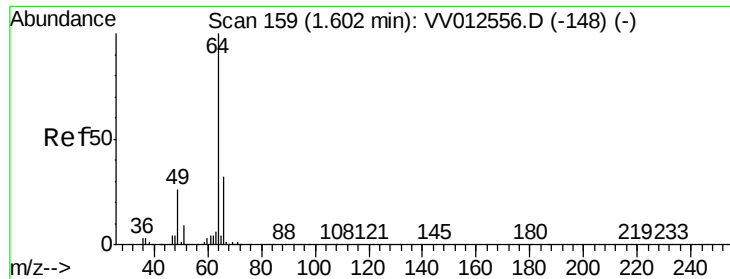
Tgt Ion: 94 Resp: 72844

Ion Ratio Lower Upper

94 100

96 92.3 64.3 119.3

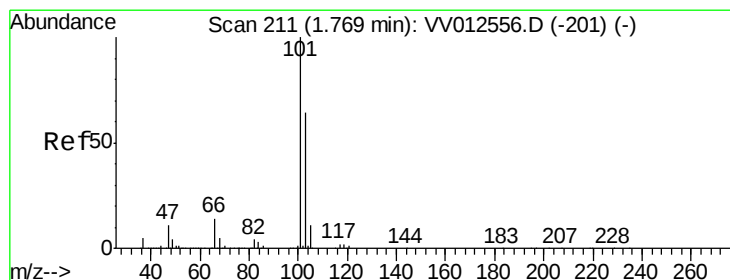
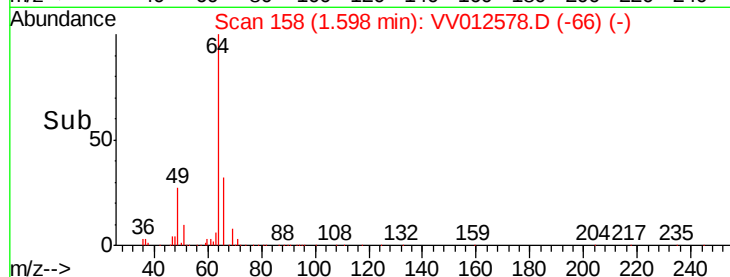
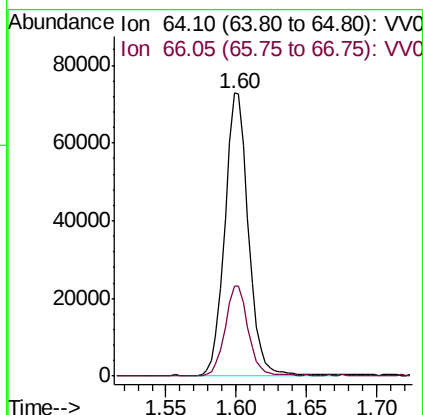
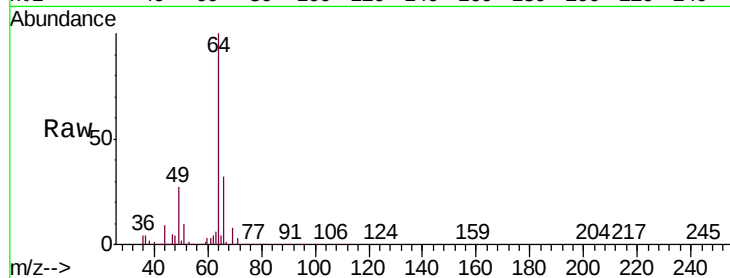




#8
Chloroethane
Concen: 4.997 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

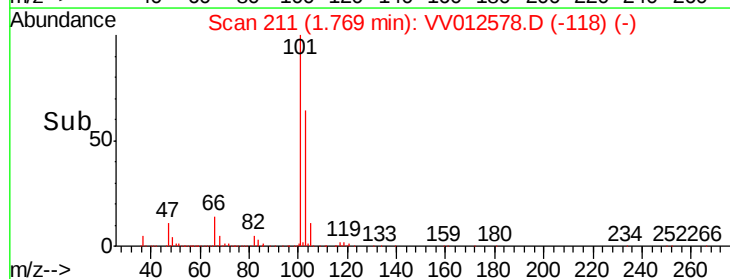
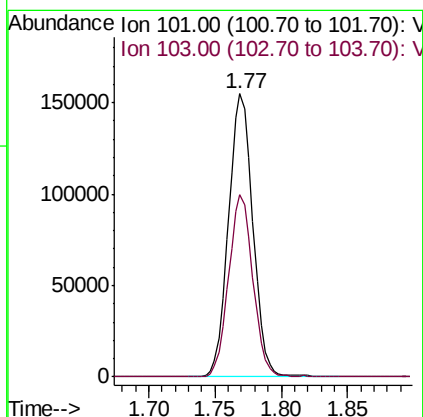
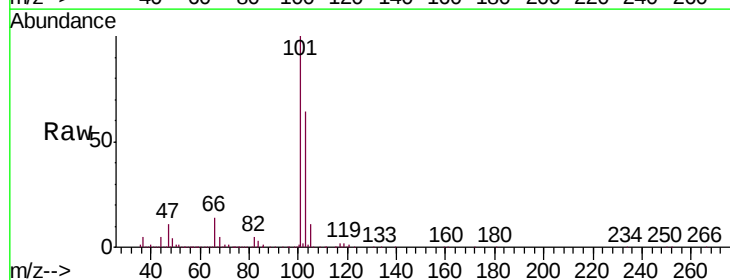
Instrument :
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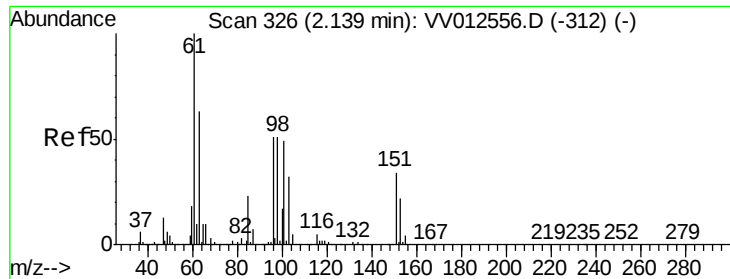
Tgt Ion: 64 Resp: 84730
Ion Ratio Lower Upper
64 100
66 31.9 23.1 42.9



#9
Trichlorofluoromethane
Concen: 5.223 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion: 101 Resp: 198049
Ion Ratio Lower Upper
101 100
103 63.8 51.2 76.8





#10

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

Concen: 5.151 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00542

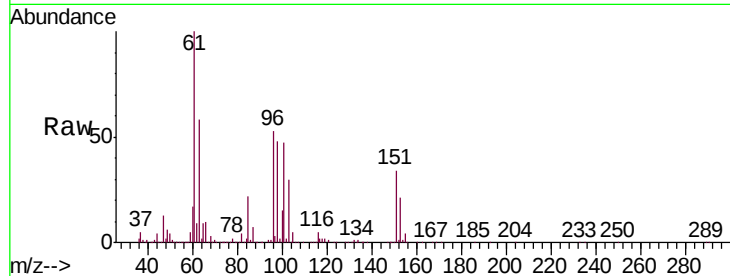
Tgt Ion: 101 Resp: 108982

Ion Ratio Lower Upper

101 100

85 46.3 37.4 56.0

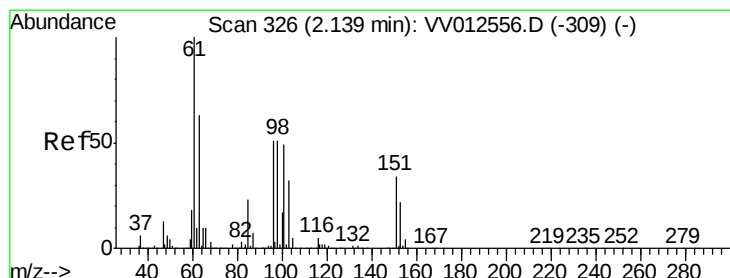
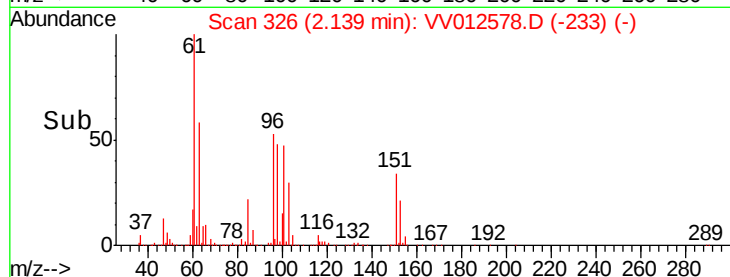
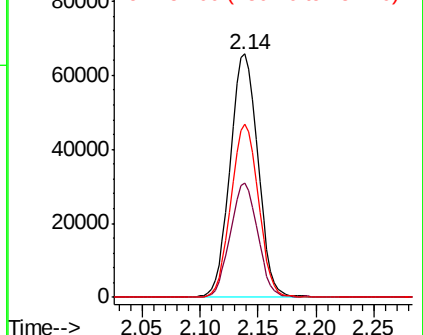
151 70.3 56.7 85.1



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: 5.314 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

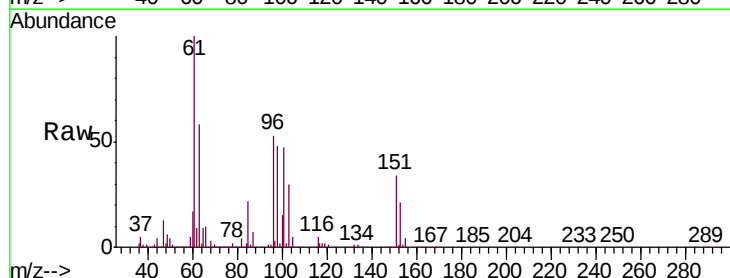
Tgt Ion: 96 Resp: 103345

Ion Ratio Lower Upper

96 100

61 187.1 133.7 248.3

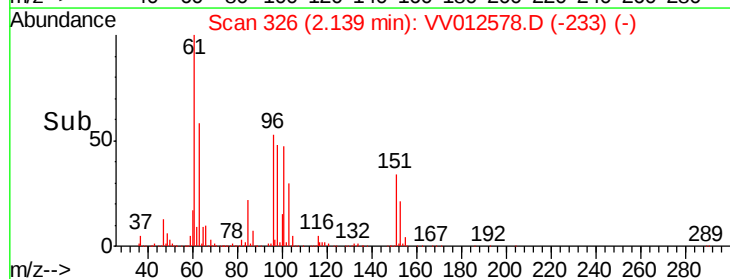
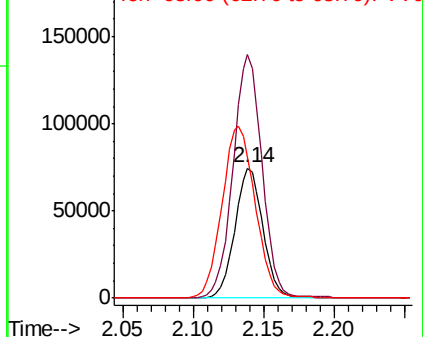
63 108.4 83.2 154.6

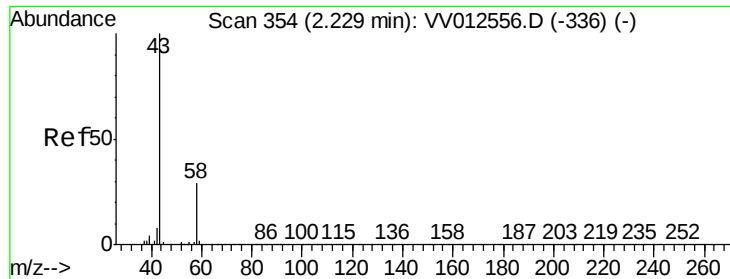


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 56.107 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

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ClientSampleId :

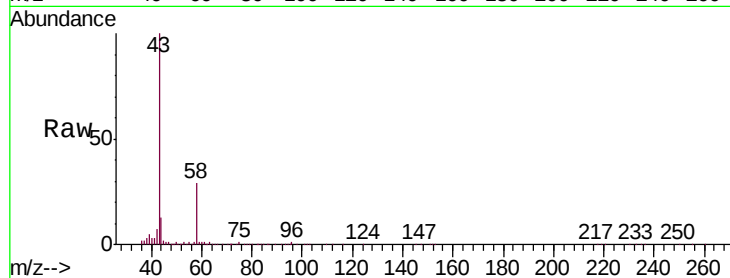
VSTD00542

Tgt Ion: 43 Resp: 221513

Ion Ratio Lower Upper

43 100

58 28.7 0.0 58.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.23

50000

40000

30000

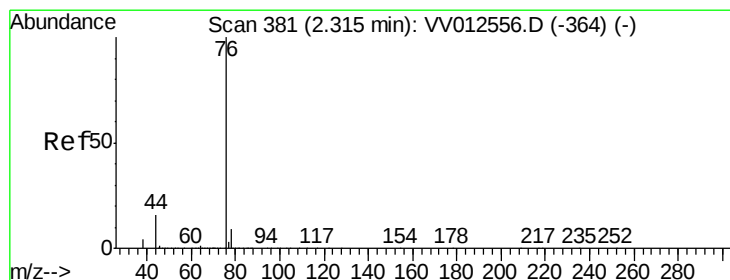
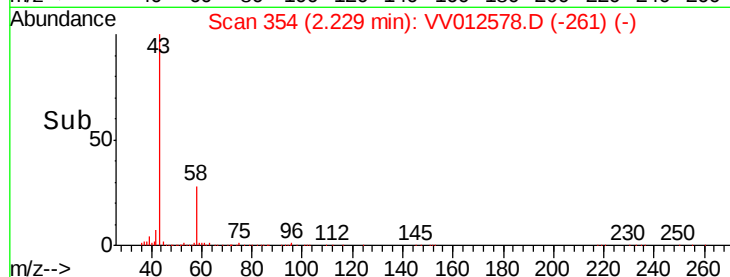
20000

10000

0

2.10 2.20 2.30 2.40

Time-->



#14

Carbon disulfide

Concen: 4.785 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV012578.D

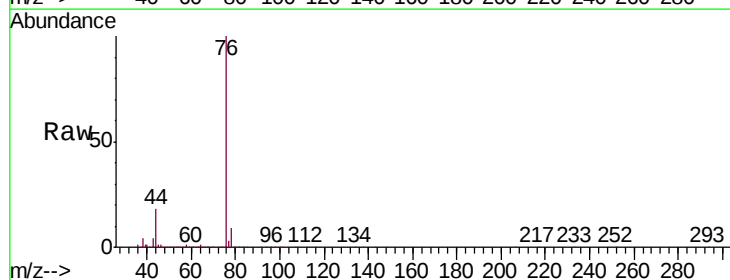
Acq: 04 Sep 2019 20:10

Tgt Ion: 76 Resp: 299182

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

200000

150000

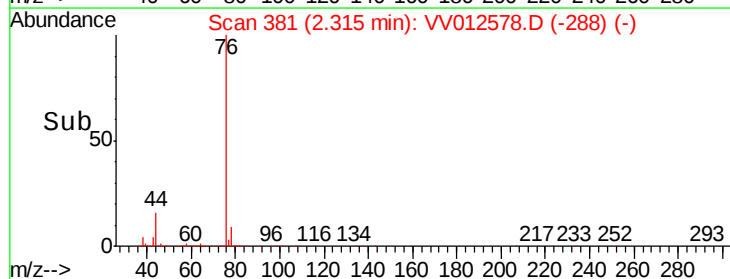
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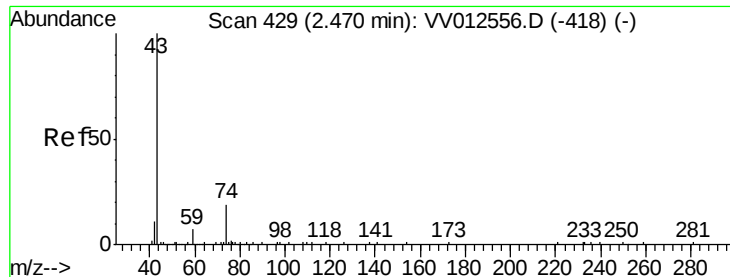
50000

0

2.25 2.30 2.35 2.40

Time-->





#15

Methyl Acetate

Concen: 6.422 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

Instrument :

MSVOA_V

ClientSampleId :

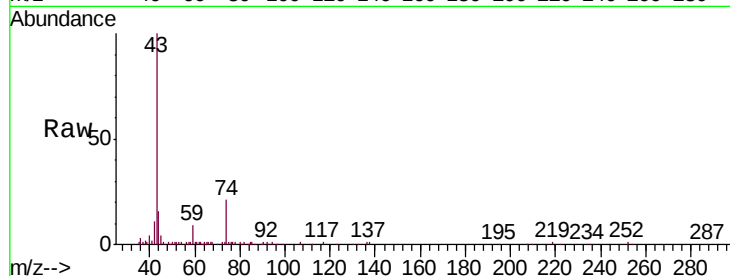
VSTD00542

Tgt Ion: 43 Resp: 61449

Ion Ratio Lower Upper

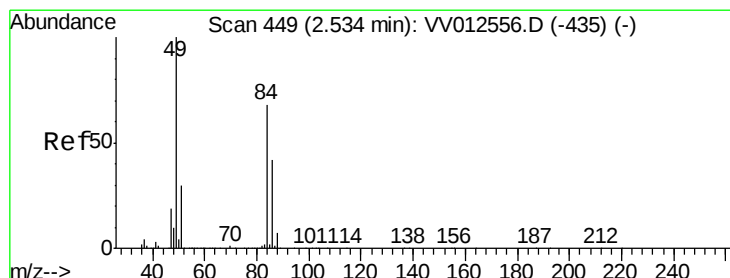
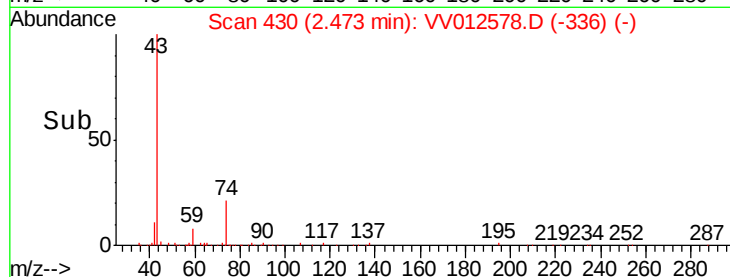
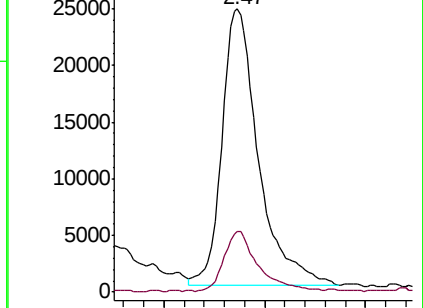
43 100

74 21.3 17.3 25.9



Abundance Ion 43.05 (42.75 to 43.75): VV012556.D (-418) (-)

Ion 74.05 (73.75 to 74.75): VV012556.D (-418) (-)



#16

Methylene chloride

Concen: 5.394 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

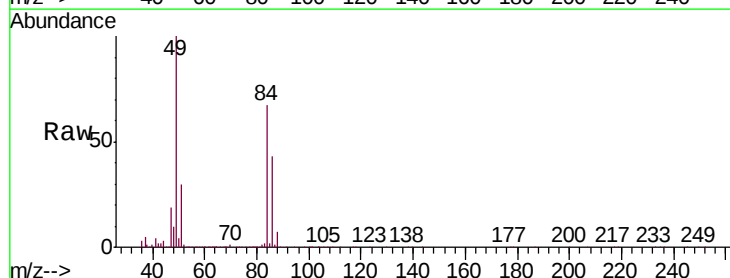
Tgt Ion: 84 Resp: 120695

Ion Ratio Lower Upper

84 100

86 63.9 45.2 84.0

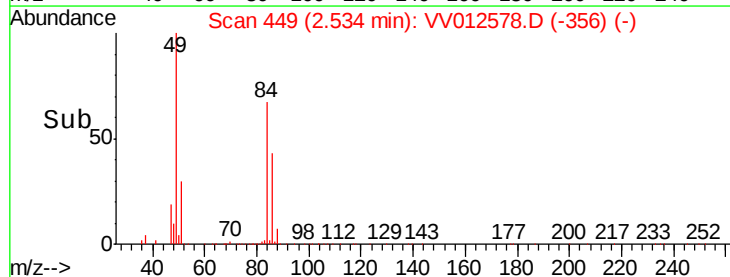
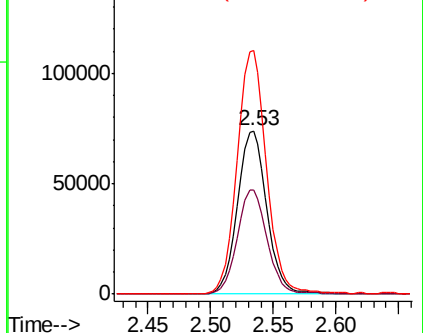
49 148.8 100.4 186.4

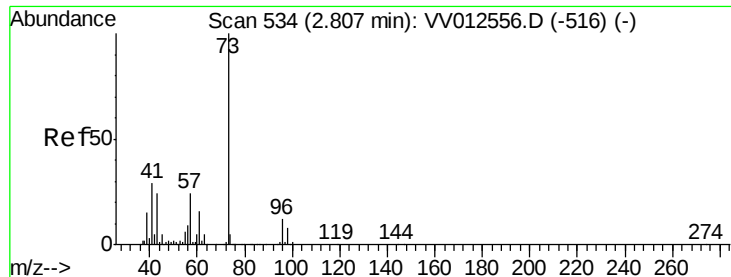


Abundance Ion 84.05 (83.75 to 84.75): VV012556.D (-435) (-)

Ion 86.00 (85.70 to 86.70): VV012556.D (-435) (-)

Ion 49.10 (48.80 to 49.80): VV012556.D (-435) (-)





#17

Methyl tert-butyl Ether

Concen: 5.069 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00542

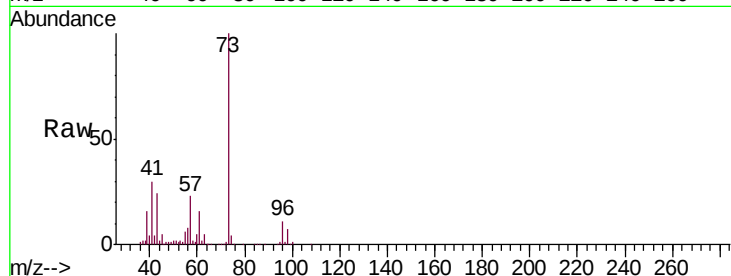
Tgt Ion: 73 Resp: 167433

Ion Ratio Lower Upper

73 100

43 23.2 18.9 28.3

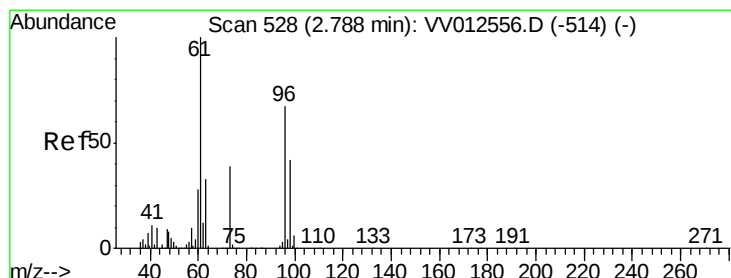
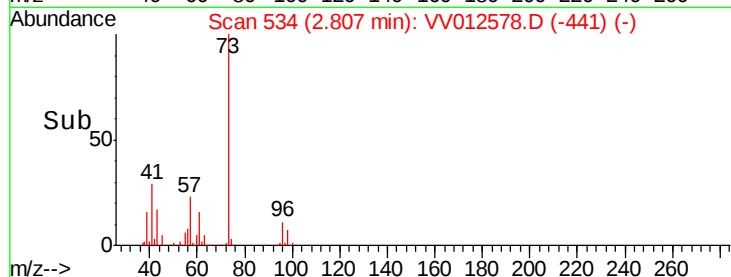
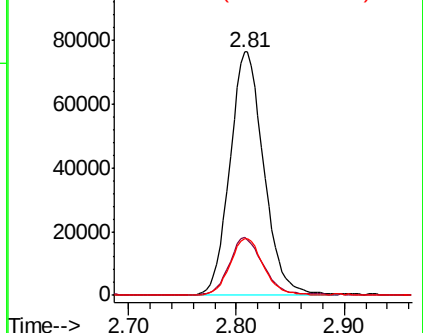
57 22.9 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VV012556.D (-516) (-)

Ion 43.05 (42.75 to 43.75): VV012556.D (-516) (-)

Ion 57.10 (56.80 to 57.80): VV012556.D (-516) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.672 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

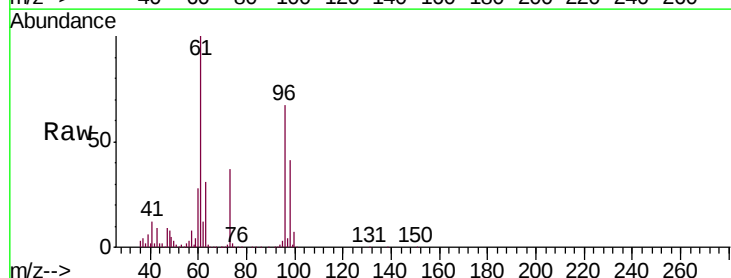
Tgt Ion: 96 Resp: 72646

Ion Ratio Lower Upper

96 100

61 148.8 107.6 199.8

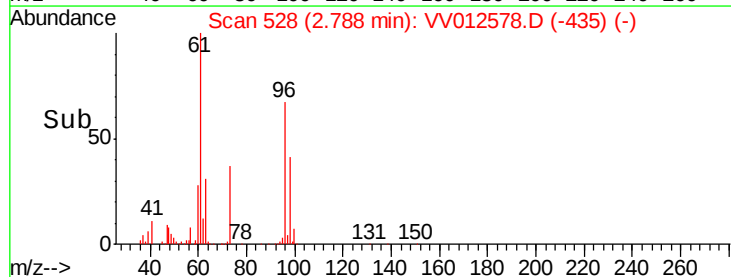
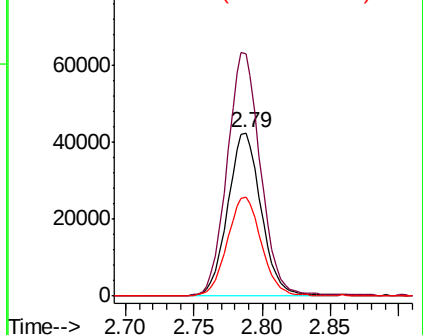
98 61.1 44.4 82.4

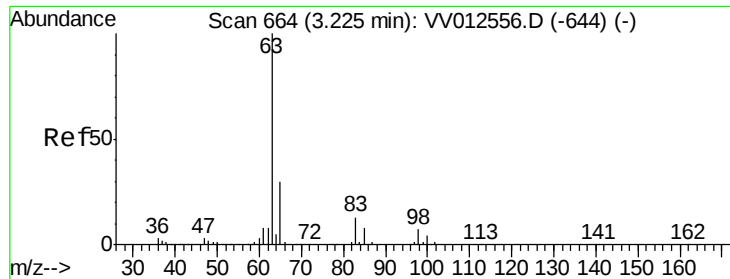


Abundance Ion 96.00 (95.70 to 96.70): VV012556.D (-514) (-)

Ion 61.05 (60.75 to 61.75): VV012556.D (-514) (-)

Ion 97.95 (97.65 to 98.65): VV012556.D (-514) (-)

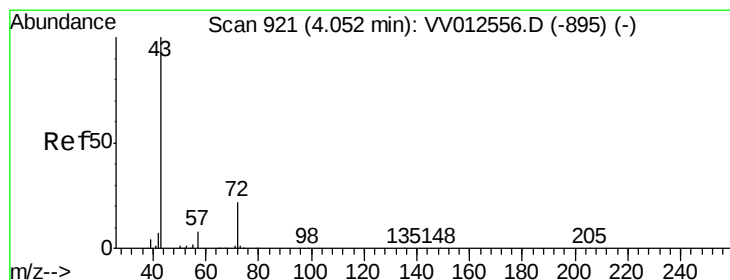
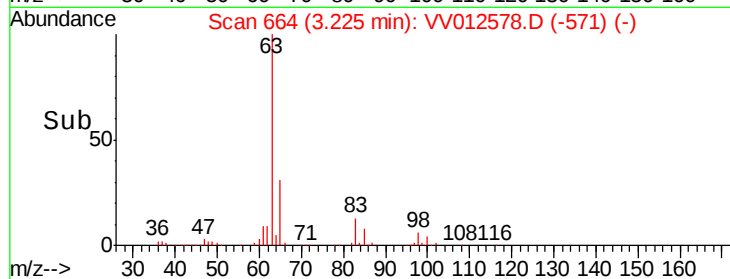
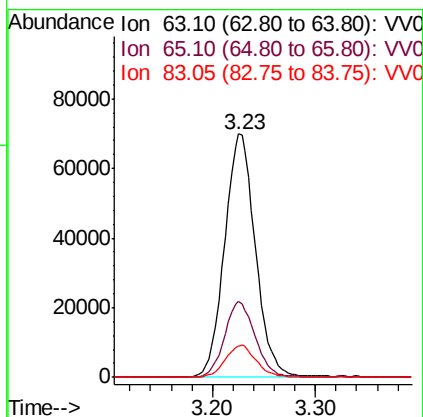
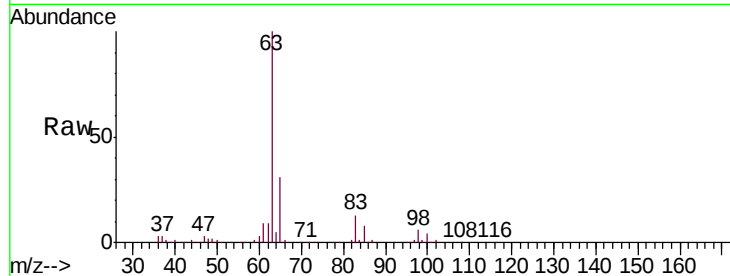




#19
 1,1-Dichloroethane
 Concen: 4.842 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV012578.D
 Acq: 04 Sep 2019 20:10

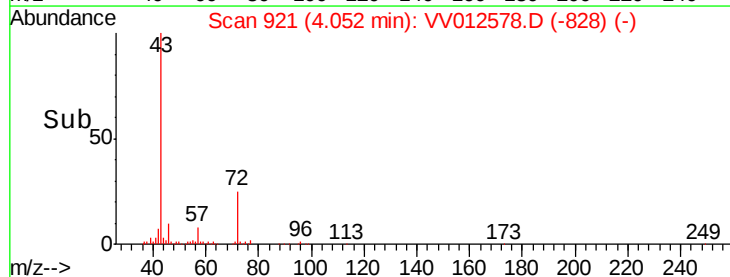
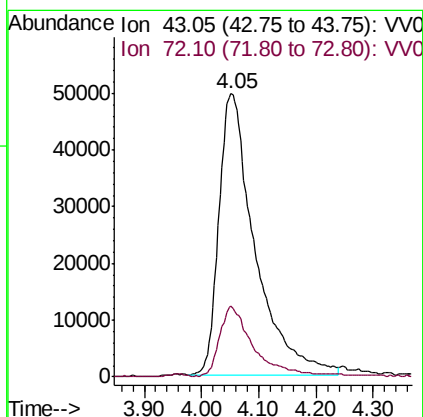
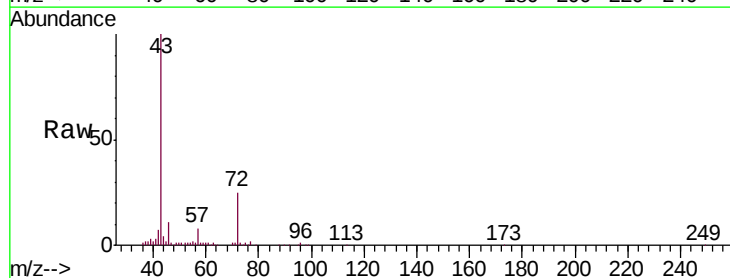
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00542

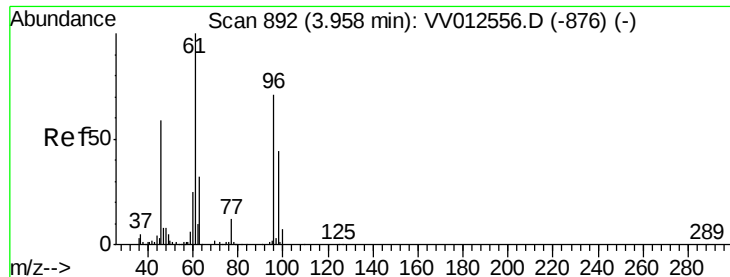
Tgt Ion: 63 Resp: 144901
 Ion Ratio Lower Upper
 63 100
 65 31.0 21.5 39.9
 83 13.0 9.1 16.9



#21
 2-Butanone
 Concen: 57.672 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VV012578.D
 Acq: 04 Sep 2019 20:10

Tgt Ion: 43 Resp: 217856
 Ion Ratio Lower Upper
 43 100
 72 21.8 11.4 34.1





#22

cis-1,2-Dichloroethene

Concen: 4.541 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

Instrument :

MSVOA_V

ClientSampled :

VSTD00542

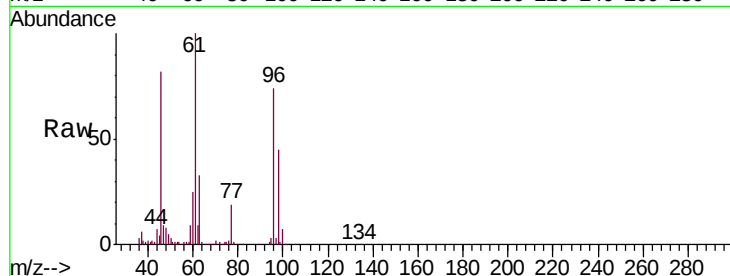
Tgt Ion: 96 Resp: 72964

Ion Ratio Lower Upper

96 100

61 134.5 97.5 181.1

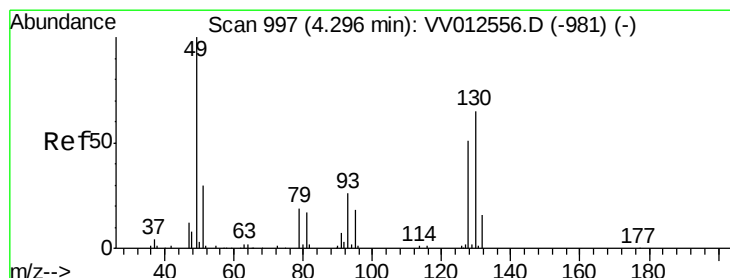
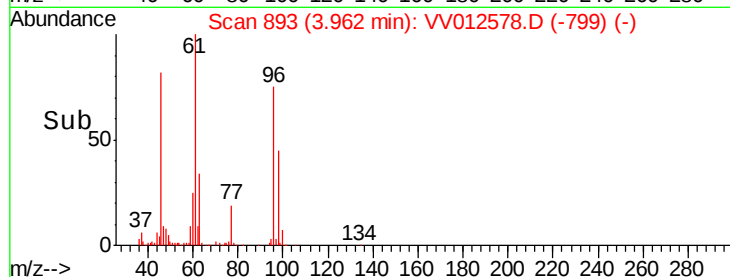
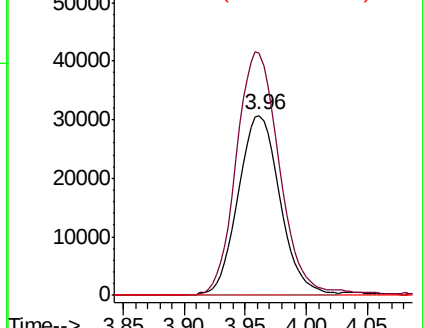
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV012556.D (-876) (-)

Ion 61.05 (60.75 to 61.75): VV012556.D (-876) (-)

Ion 68.15 (67.85 to 68.85): VV012556.D (-876) (-)



#23

Bromochloromethane

Concen: 4.990 ug/L

RT: 4.30 min Scan# 997

Delta R.T. -0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

Tgt Ion: 128 Resp: 32025

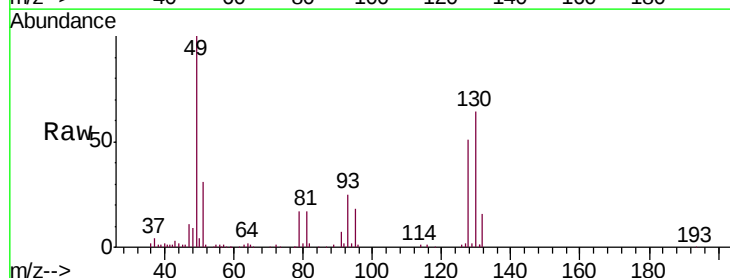
Ion Ratio Lower Upper

128 100

49 197.5 136.5 253.5

130 125.4 92.1 171.1

51 61.7 52.5 78.7

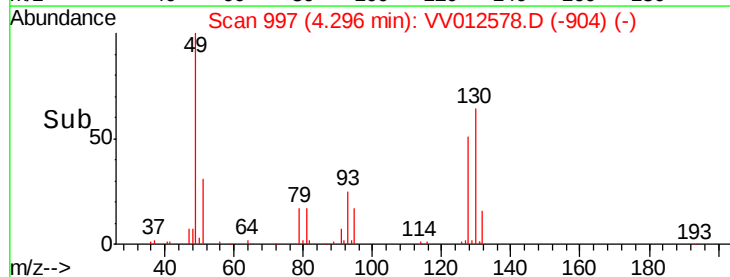
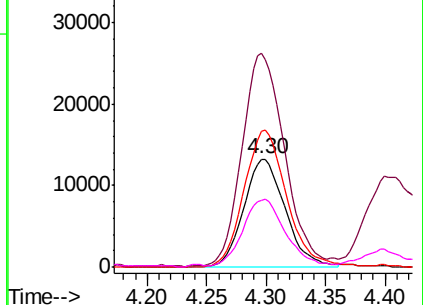


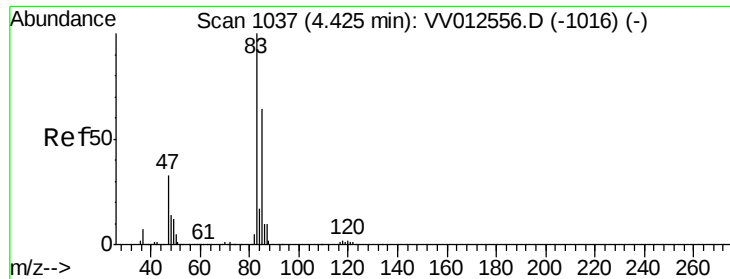
Abundance Ion 127.90 (127.60 to 128.60): VV012556.D (-981) (-)

Ion 49.10 (48.80 to 49.80): VV012556.D (-981) (-)

Ion 129.95 (129.65 to 130.65): VV012556.D (-981) (-)

Ion 51.05 (50.75 to 51.75): VV012556.D (-981) (-)

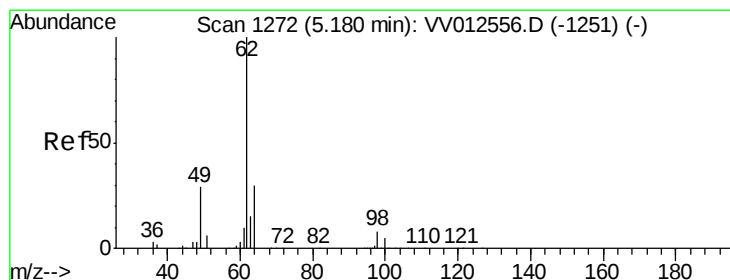
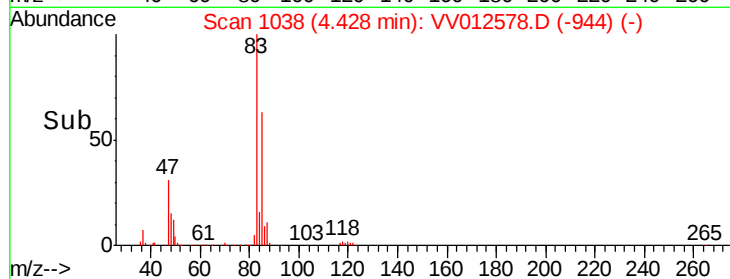
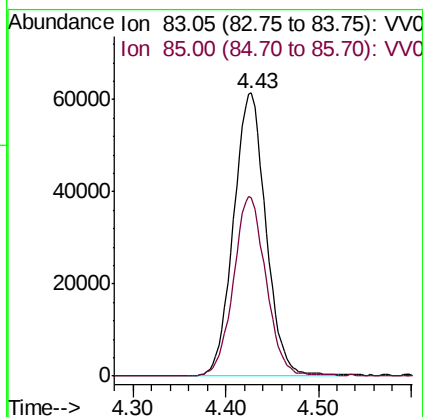
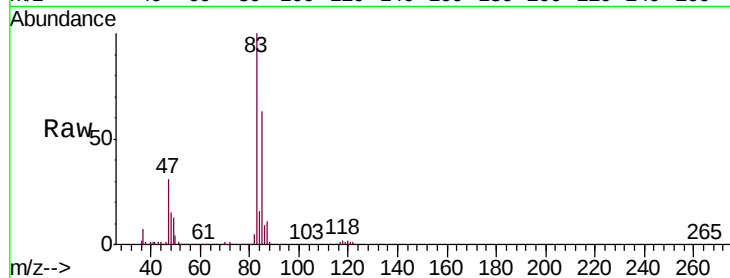




#25
Chloroform
Concen: 4.744 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

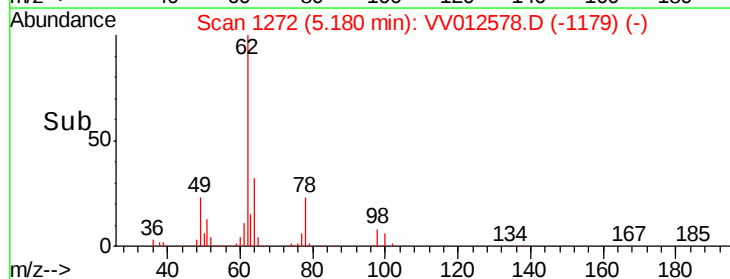
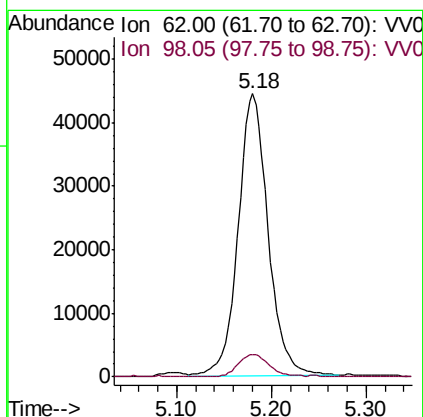
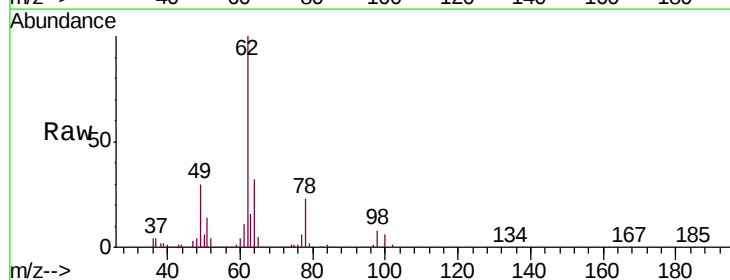
Instrument :
MSVOA_V
ClientSampleId :
VSTD00542

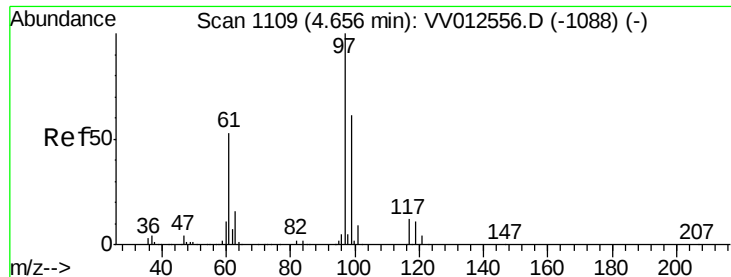
Tgt Ion: 83 Resp: 148778
Ion Ratio Lower Upper
83 100
85 62.9 45.1 83.9



#27
1,2-Dichloroethane
Concen: 5.347 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion: 62 Resp: 97631
Ion Ratio Lower Upper
62 100
98 8.1 6.7 10.1

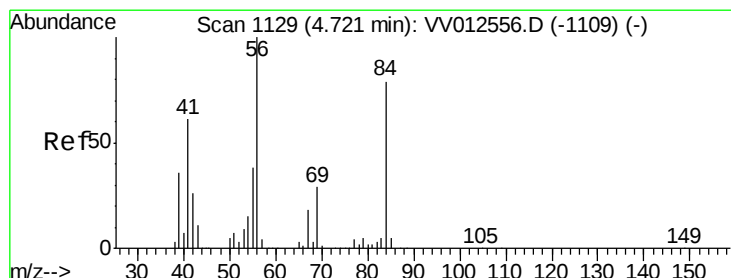
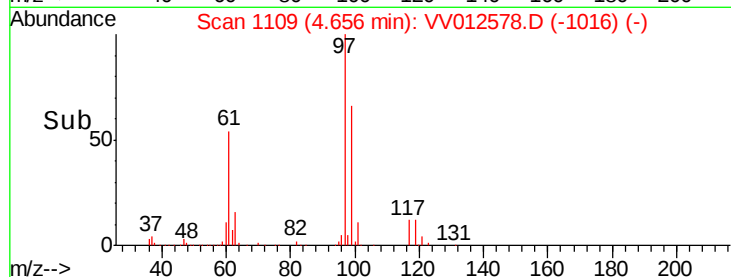
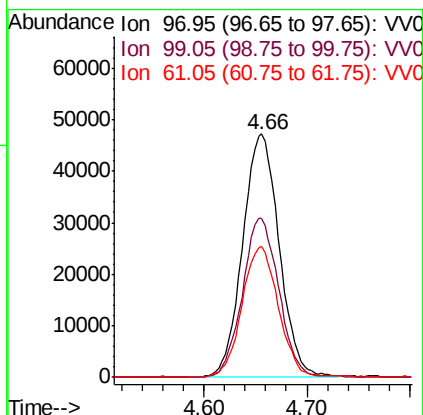
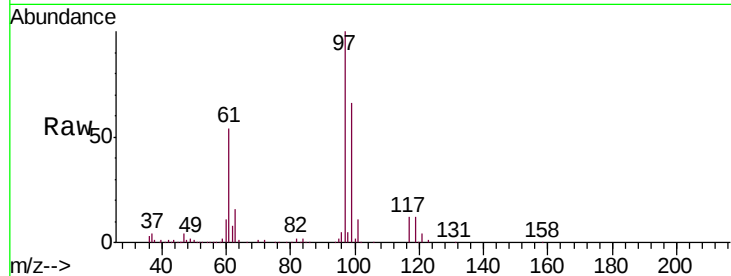




#29
 1,1,1-Trichloroethane
 Concen: 4.647 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV012578.D
 Acq: 04 Sep 2019 20:10

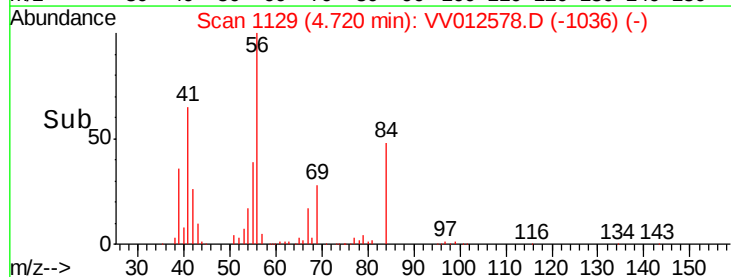
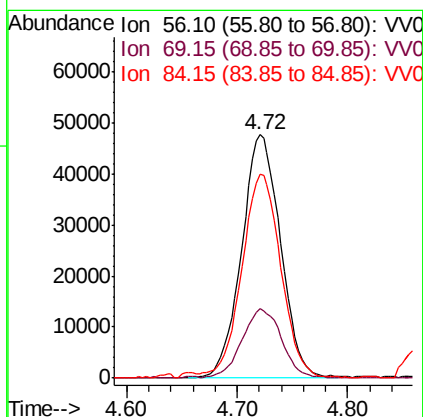
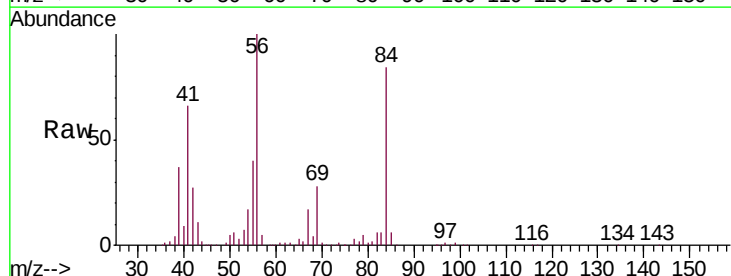
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00542

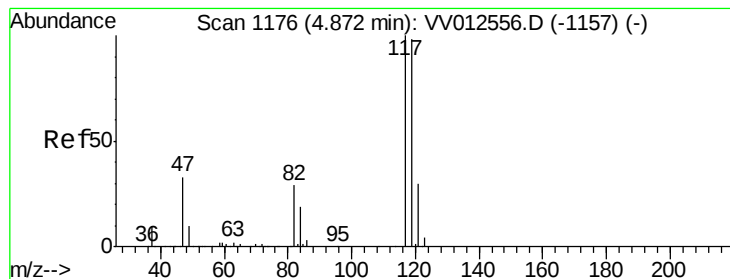
Tgt Ion: 97 Resp: 116421
 Ion Ratio Lower Upper
 97 100
 99 64.9 52.6 79.0
 61 53.5 43.4 65.2



#30
 Cyclohexane
 Concen: 4.475 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV012578.D
 Acq: 04 Sep 2019 20:10

Tgt Ion: 56 Resp: 115672
 Ion Ratio Lower Upper
 56 100
 69 29.3 23.5 35.3
 84 84.8 67.1 100.7





#31

Carbon tetrachloride

Concen: 4.655 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

Instrument :

MSVOA_V

ClientSampleId :

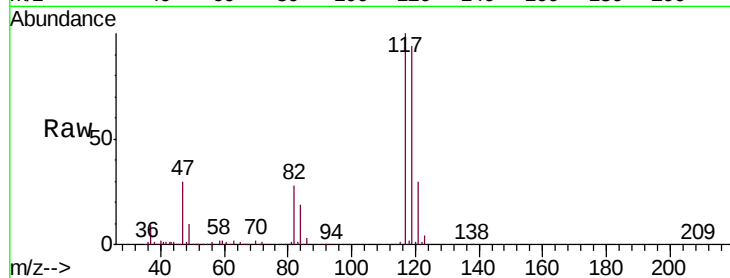
VSTD00542

Tgt Ion:117 Resp: 101384

Ion Ratio Lower Upper

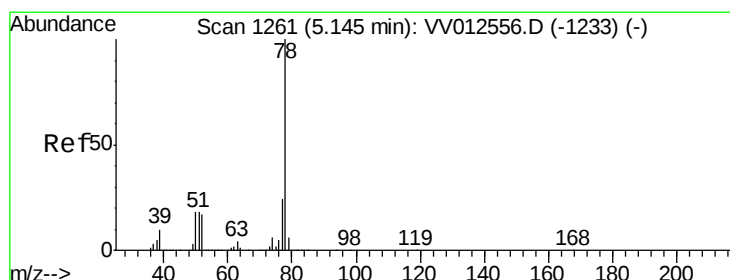
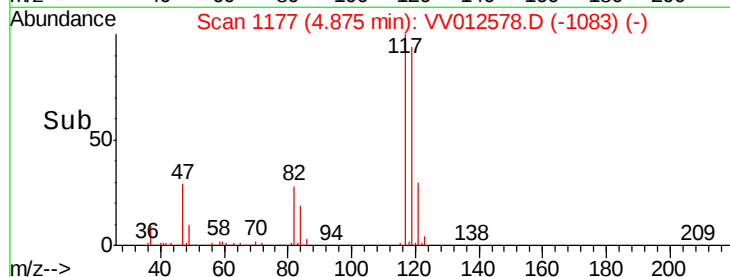
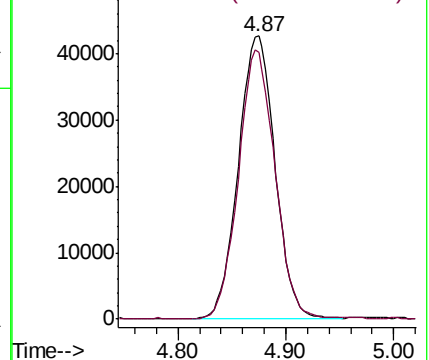
117 100

119 94.5 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: 4.950 ug/L

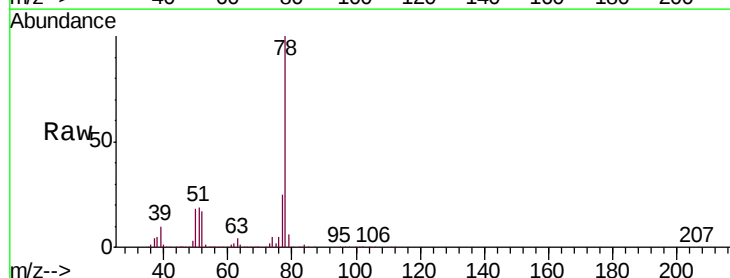
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

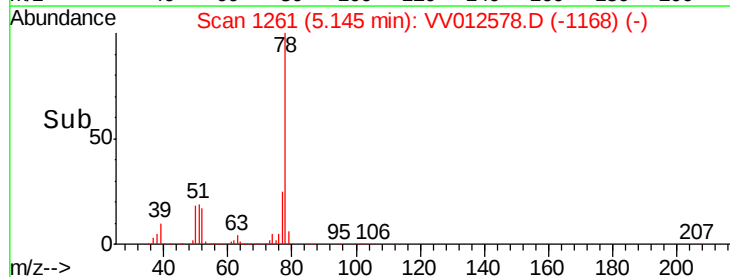
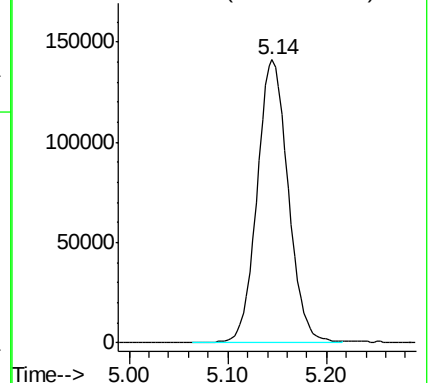
Lab File: VV012578.D

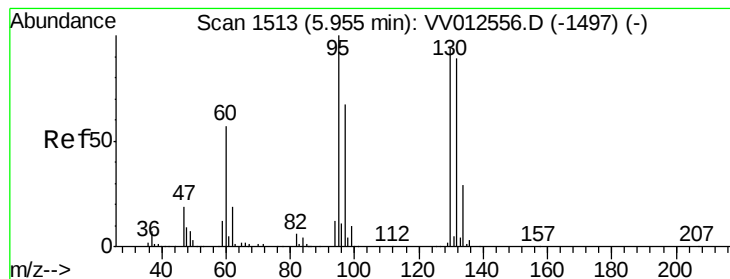
Acq: 04 Sep 2019 20:10

Tgt Ion: 78 Resp: 307293



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.475 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00542

Tgt Ion: 95 Resp: 76968

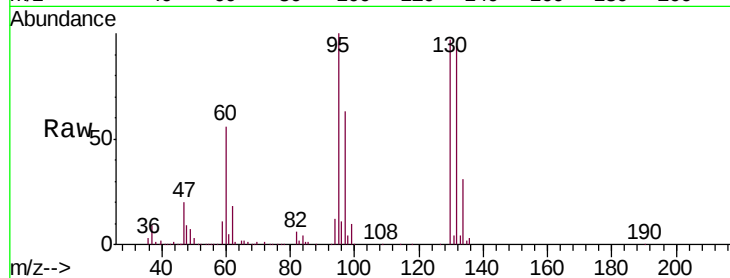
Ion Ratio Lower Upper

95 100

97 63.3 44.7 83.1

132 93.6 63.8 118.4

130 96.7 66.6 123.6

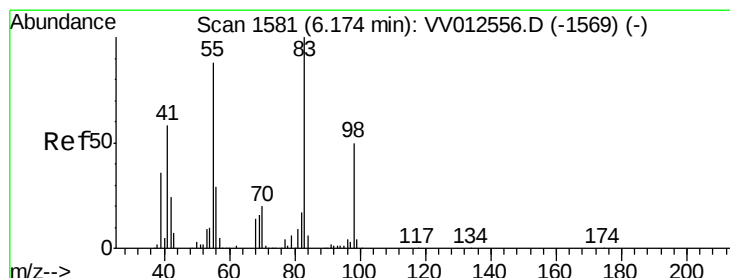
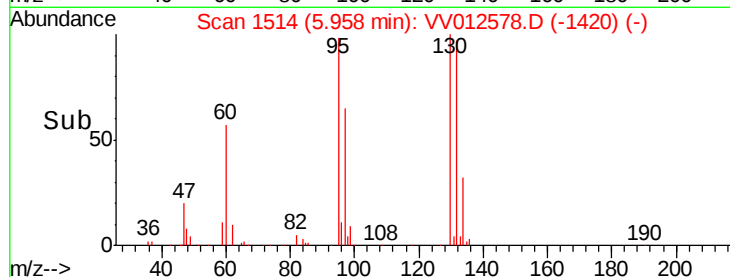
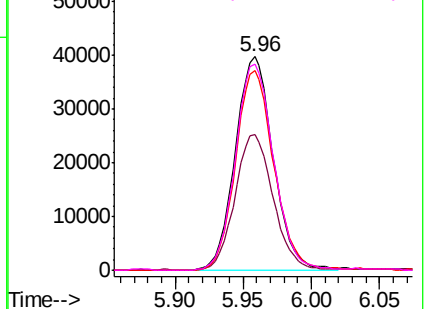


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.346 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

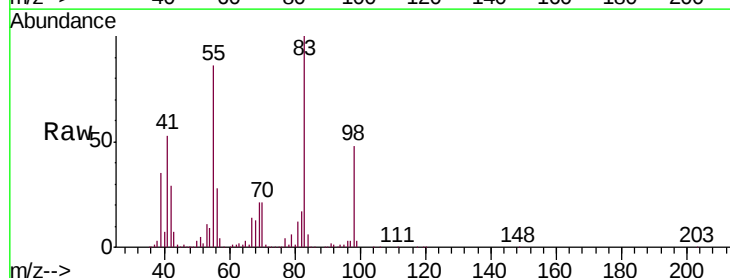
Tgt Ion: 83 Resp: 113616

Ion Ratio Lower Upper

83 100

55 86.2 67.3 100.9

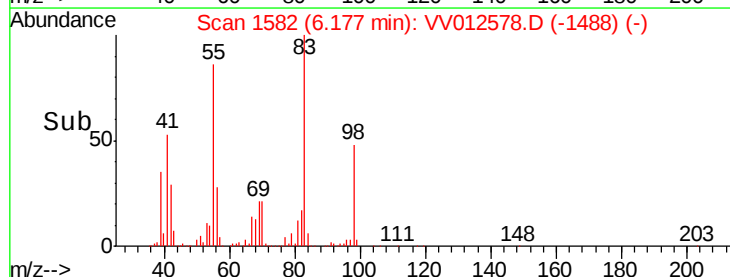
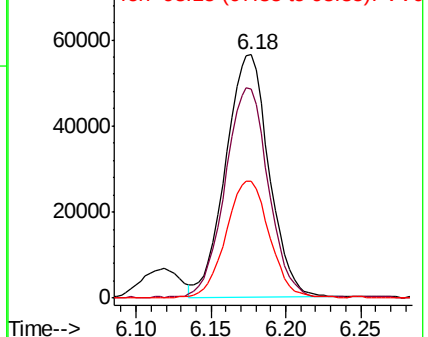
98 48.9 37.4 56.2

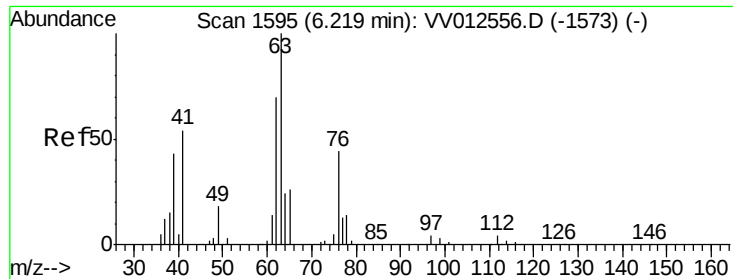


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

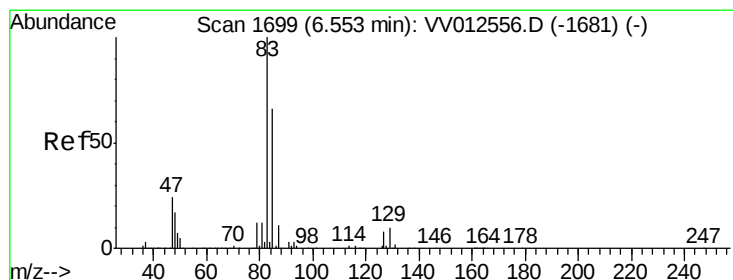
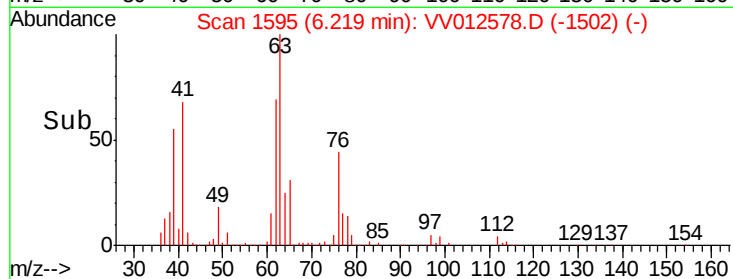
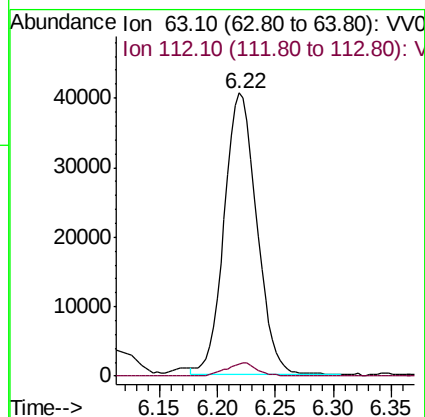
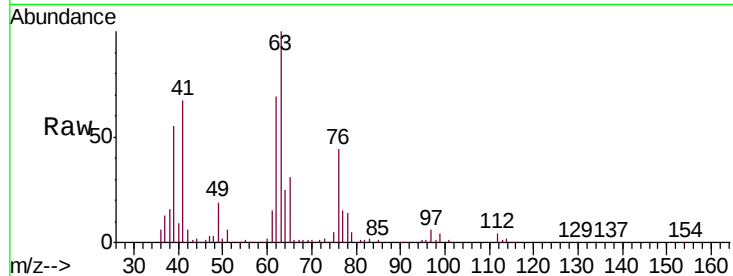




#37
 1,2-Dichloropropane
 Concen: 4.736 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV012578.D
 Acq: 04 Sep 2019 20:10

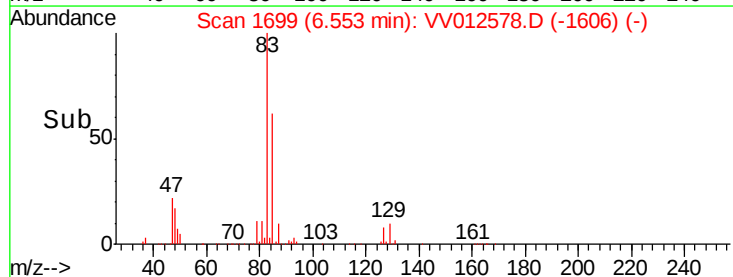
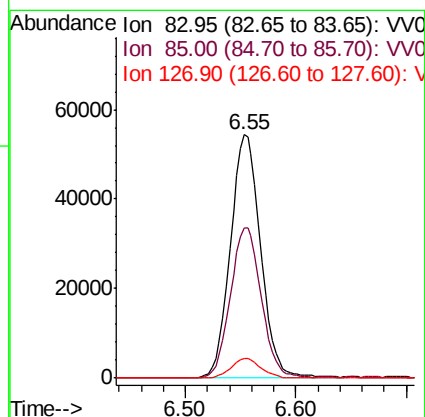
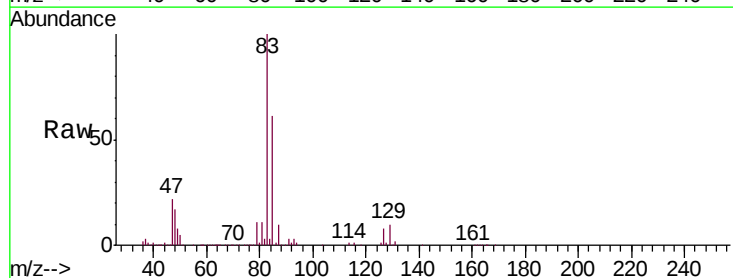
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00542

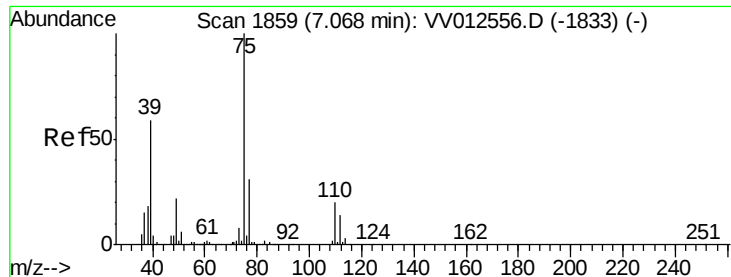
Tgt Ion: 63 Resp: 78657
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#38
 Bromodichloromethane
 Concen: 4.925 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012578.D
 Acq: 04 Sep 2019 20:10

Tgt Ion: 83 Resp: 103428
 Ion Ratio Lower Upper
 83 100
 85 61.4 44.2 82.0
 127 8.1 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 4.586 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

Instrument :

MSVOA_V

ClientSampleId :

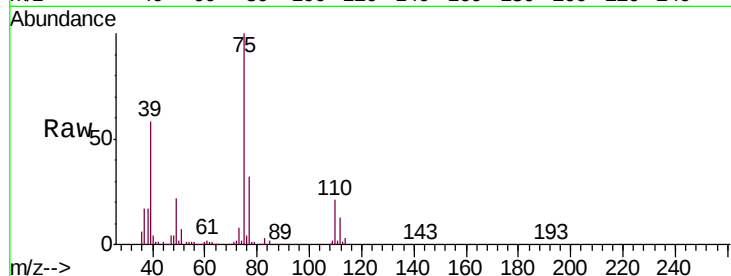
VSTD00542

Tgt Ion: 75 Resp: 99062

Ion Ratio Lower Upper

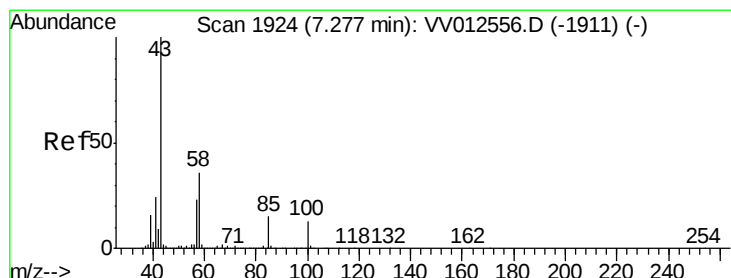
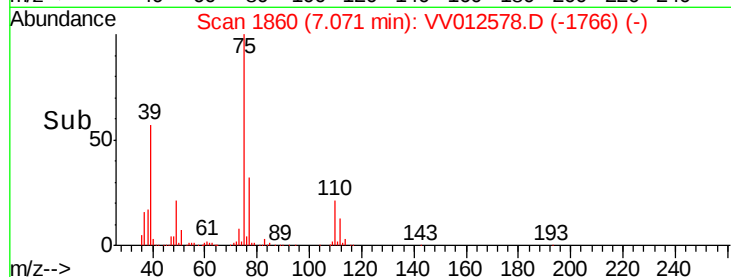
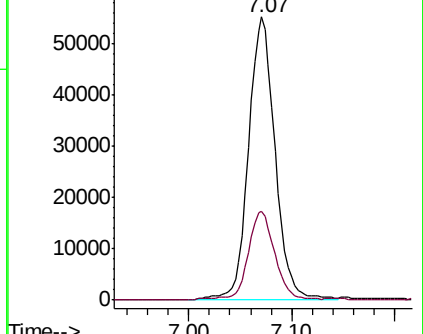
75 100

77 31.6 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV012556.D (-1833) (-)

Ion 77.05 (76.75 to 77.75): VV012556.D (-1833) (-)



#40

4-Methyl-2-pentanone

Concen: 58.181 ug/L

RT: 7.28 min Scan# 1924

Delta R.T. -0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

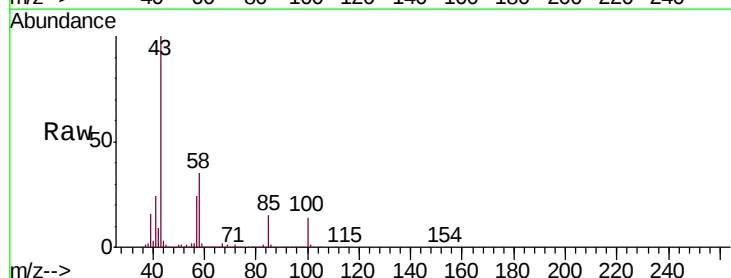
Tgt Ion: 43 Resp: 561465

Ion Ratio Lower Upper

43 100

58 35.0 28.2 42.2

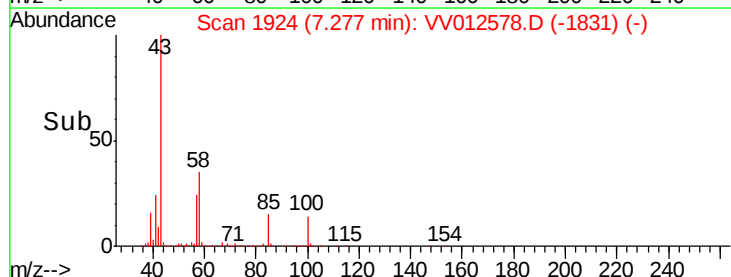
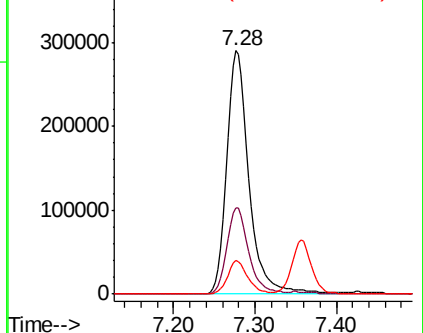
100 12.6 9.9 14.9

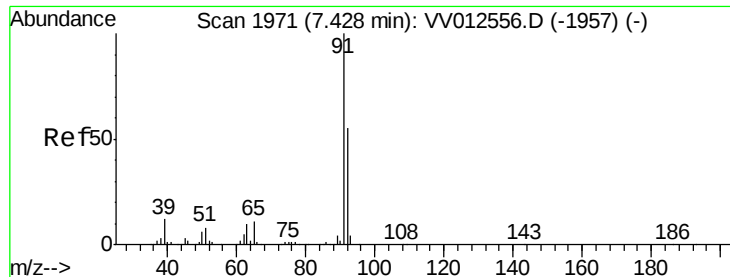


Abundance Ion 43.05 (42.75 to 43.75): VV012556.D (-1911) (-)

Ion 58.05 (57.75 to 58.75): VV012556.D (-1911) (-)

Ion 100.15 (99.85 to 100.85): VV012556.D (-1911) (-)





#42

Toluene

Concen: 4.881 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

Instrument :

MSVOA_V

ClientSampleId :

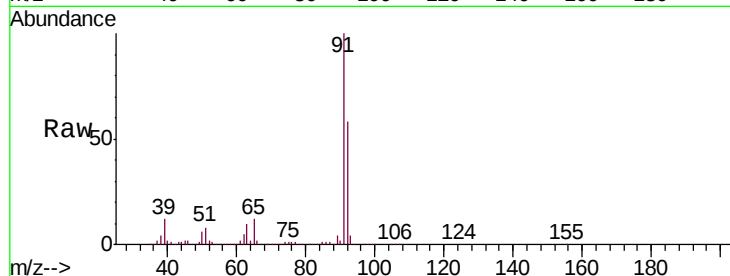
VSTD00542

Tgt Ion: 91 Resp: 329314

Ion Ratio Lower Upper

91 100

92 58.1 39.6 73.6



Abundance Ion 91.15 (90.85 to 91.85): VV012556.D (-1957) (-)

Ion 92.15 (91.85 to 92.85): VV012556.D (-1957) (-)

7.43

200000

150000

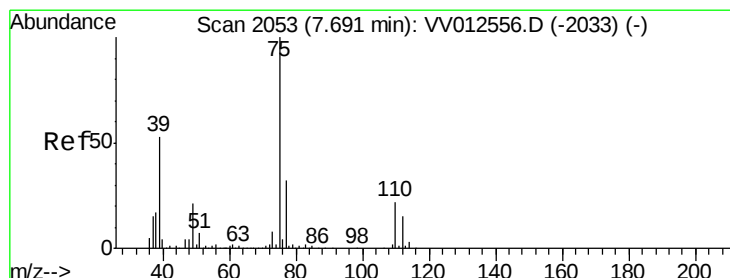
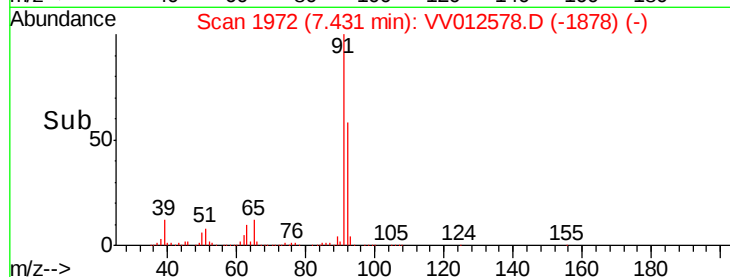
100000

50000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.782 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012578.D

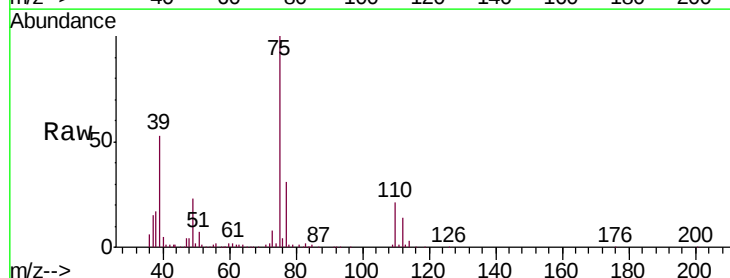
Acq: 04 Sep 2019 20:10

Tgt Ion: 75 Resp: 81864

Ion Ratio Lower Upper

75 100

77 31.2 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV012556.D (-2033) (-)

Ion 77.05 (76.75 to 77.75): VV012556.D (-2033) (-)

7.69

50000

40000

30000

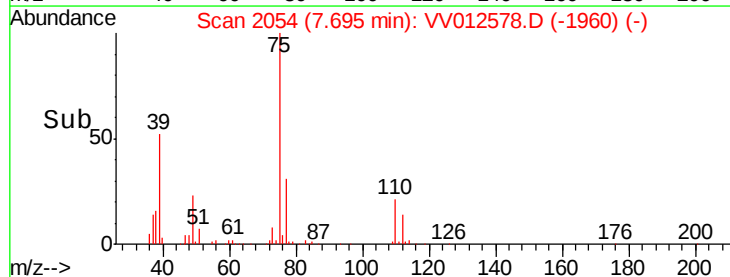
20000

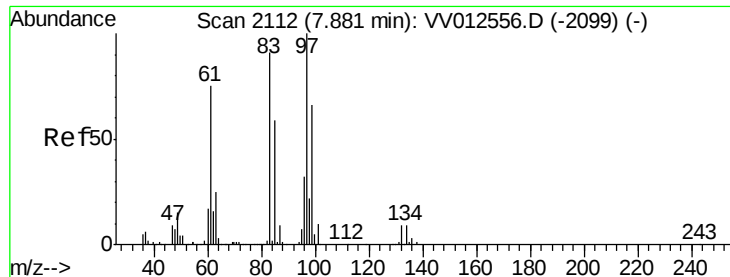
10000

0

7.60 7.65 7.70 7.75

Time-->

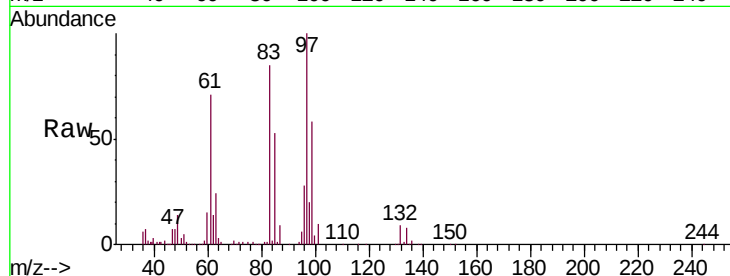




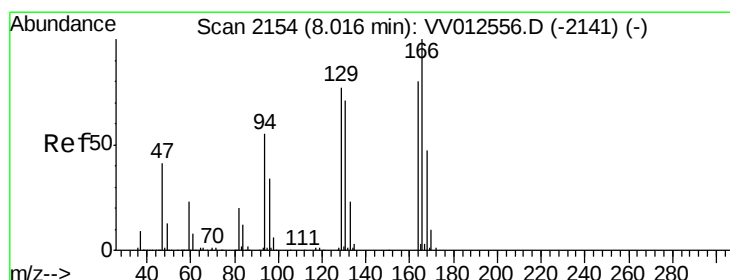
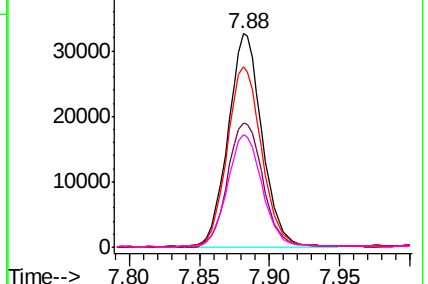
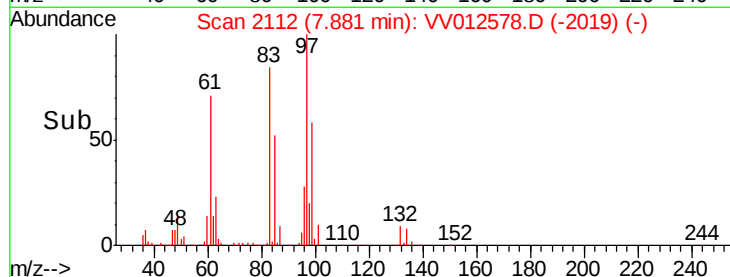
#45
 1,1,2-Trichloroethane
 Concen: 5.250 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV012578.D
 Acq: 04 Sep 2019 20:10

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00542

Tgt Ion:	97	Resp:	55139
Ion	Ratio	Lower	Upper
97	100		
99	58.2	44.1	81.9
83	84.7	62.7	116.5
85	52.7	42.6	79.0

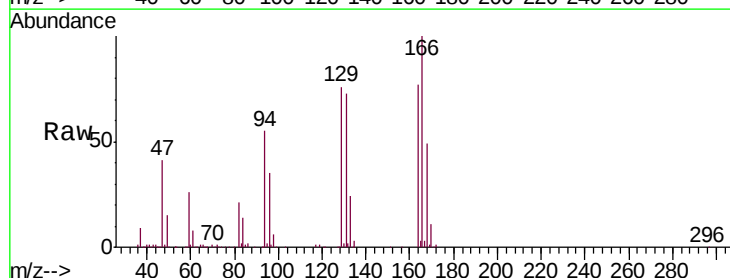


Abundance Ion 96.95 (96.65 to 97.65): VV012556.D (-2099) (-)
 Ion 99.05 (98.75 to 99.75): VV012556.D (-2099) (-)
 Ion 82.95 (82.65 to 83.65): VV012556.D (-2099) (-)
 Ion 85.00 (84.70 to 85.70): VV012556.D (-2099) (-)

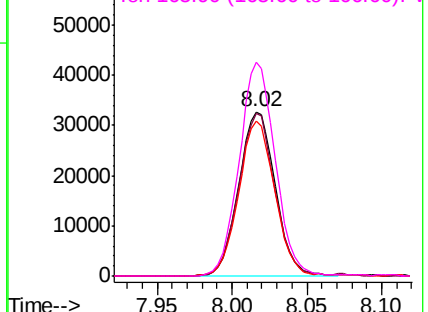
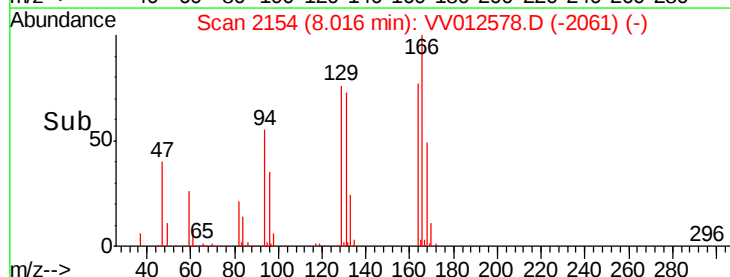


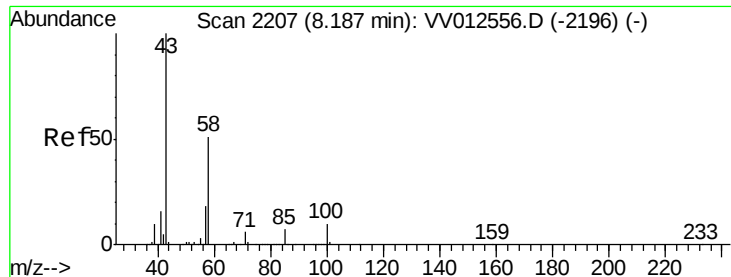
#47
 Tetrachloroethene
 Concen: 4.477 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012578.D
 Acq: 04 Sep 2019 20:10

Tgt Ion:	164	Resp:	55636
Ion	Ratio	Lower	Upper
164	100		
129	98.6	64.5	119.9
131	94.4	62.3	115.7
166	129.9	86.5	160.6



Abundance Ion 163.90 (163.60 to 164.60): VV012556.D (-2141) (-)
 Ion 128.95 (128.65 to 129.65): VV012556.D (-2141) (-)
 Ion 130.95 (130.65 to 131.65): VV012556.D (-2141) (-)
 Ion 165.90 (165.60 to 166.60): VV012556.D (-2141) (-)

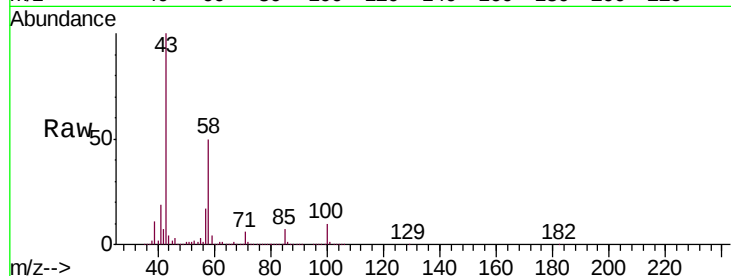




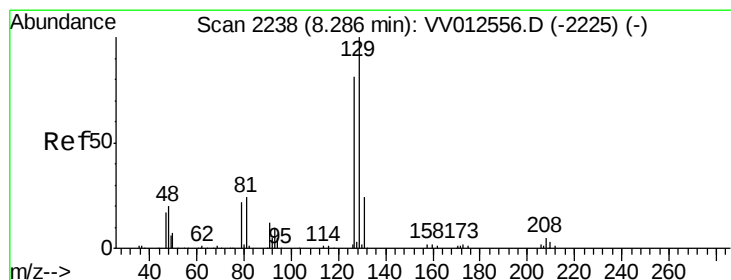
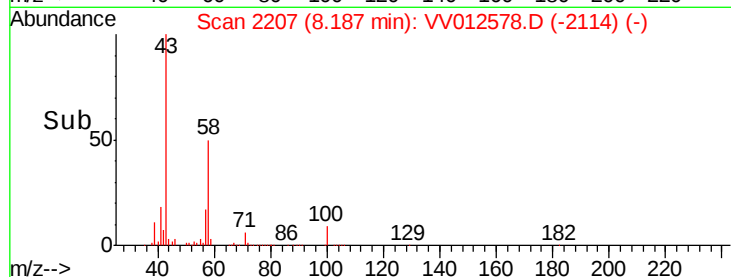
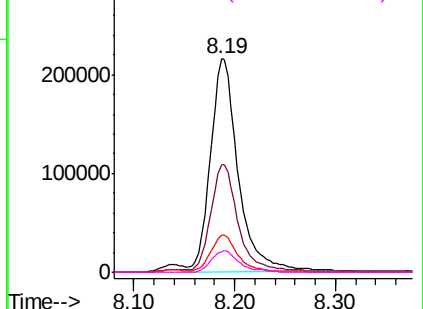
#48
2-Hexanone
Concen: 60.538 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Instrument :
MSVOA_V
ClientSampleId :
VSTD00542

Tgt Ion:	43	Resp:	409422
Ion	Ratio	Lower	Upper
43	100		
58	52.8	40.0	60.0
57	17.2	13.4	20.2
100	9.7	8.2	12.2

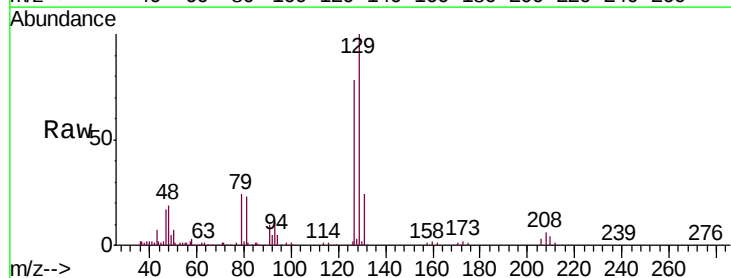


Abundance Ion 43.05 (42.75 to 43.75): VV012556.D (-2196) (-)
Ion 58.05 (57.75 to 58.75): VV012556.D (-2196) (-)
Ion 57.20 (56.90 to 57.90): VV012556.D (-2196) (-)
Ion 100.15 (99.85 to 100.85): VV012556.D (-2196) (-)

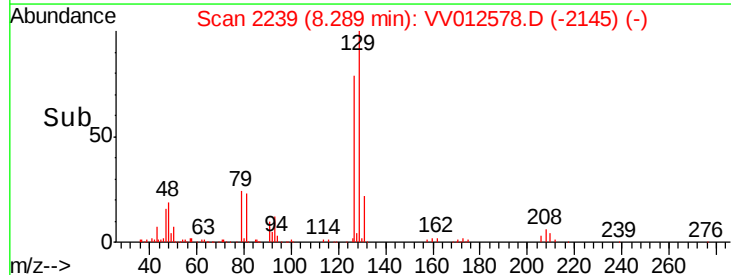
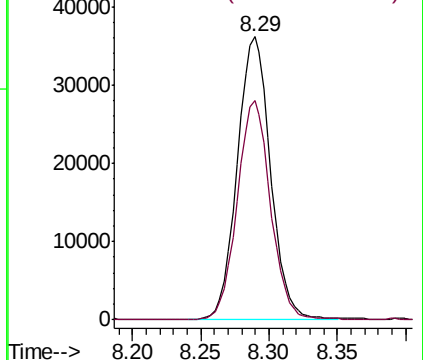


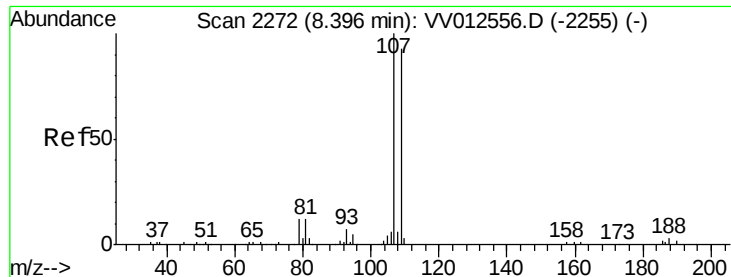
#49
Dibromochloromethane
Concen: 5.021 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion:	129	Resp:	61389
Ion	Ratio	Lower	Upper
129	100		
127	77.6	54.9	102.1



Abundance Ion 128.95 (128.65 to 129.65): VV012556.D (-2225) (-)
Ion 126.90 (126.60 to 127.60): VV012556.D (-2225) (-)

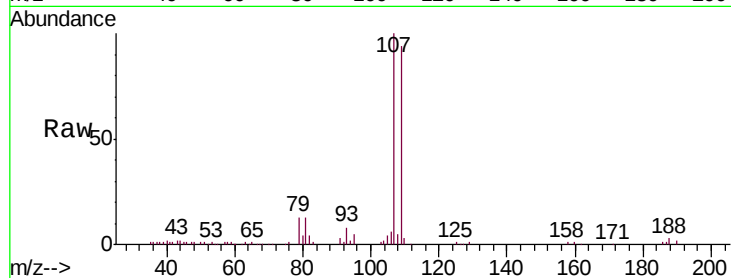




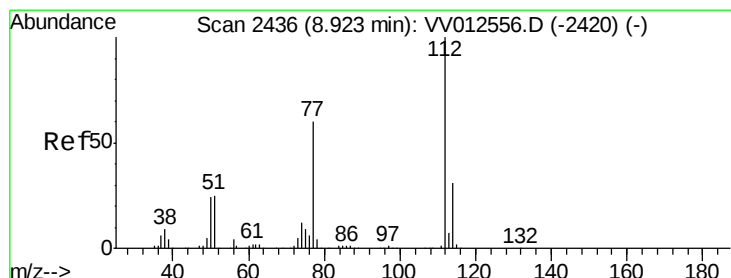
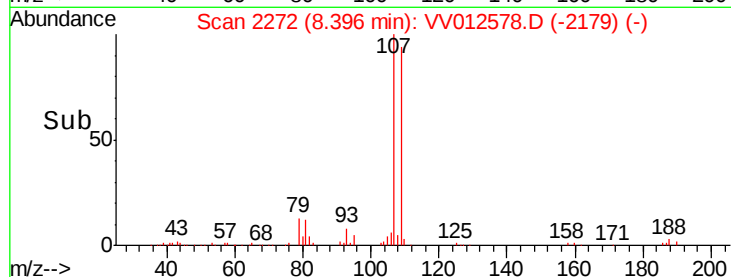
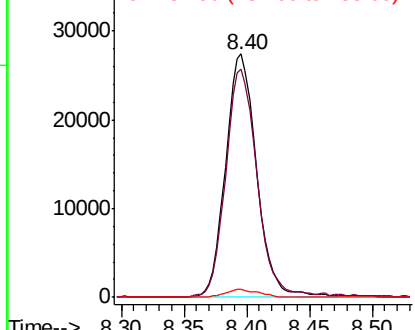
#50
1,2-Dibromoethane
Concen: 5.024 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Instrument :
MSVOA_V
ClientSampleId :
VSTD00542

Tgt Ion:107 Resp: 47082
Ion Ratio Lower Upper
107 100
109 93.7 67.8 125.8
188 3.4 3.2 4.8

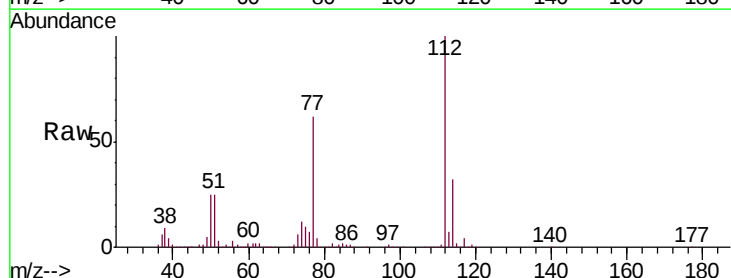


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

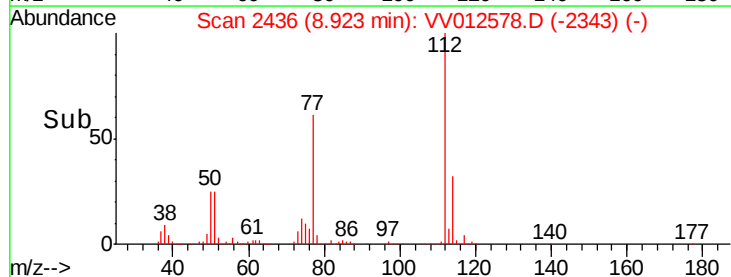
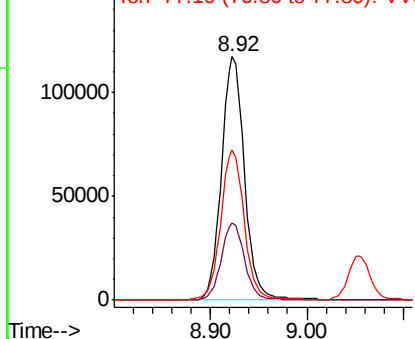


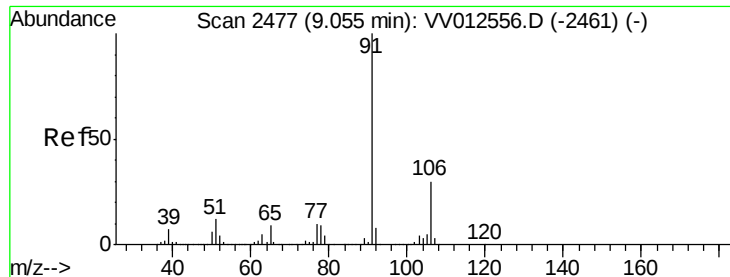
#51
Chlorobenzene
Concen: 4.581 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion:112 Resp: 194190
Ion Ratio Lower Upper
112 100
114 31.8 23.0 42.6
77 61.6 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: 4.637 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

Instrument :

MSVOA_V

ClientSampleId :

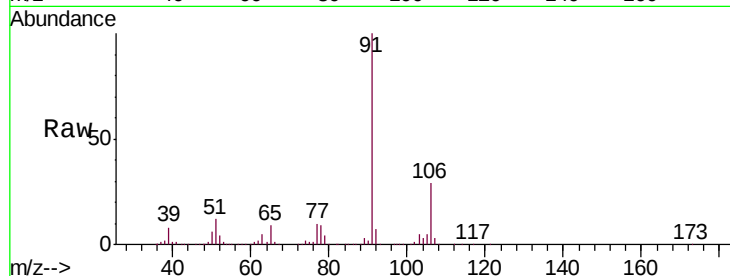
VSTD00542

Tgt Ion: 91 Resp: 341286

Ion Ratio Lower Upper

91 100

106 28.7 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VV012556.D (-2461) (-)

Ion 106.15 (105.85 to 106.85): VV012556.D (-2461) (-)

9.05

200000

150000

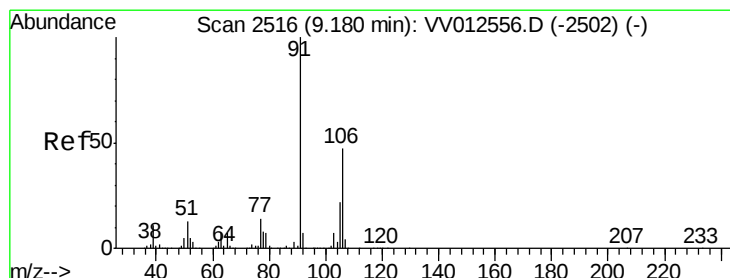
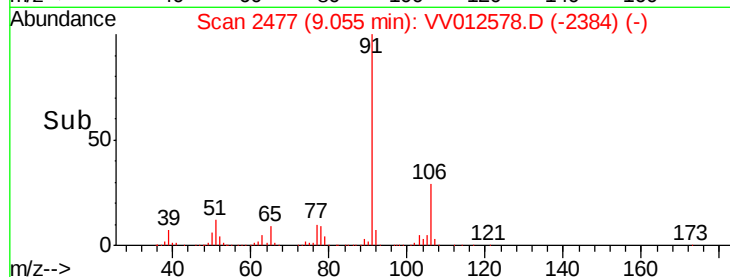
100000

50000

0

Time-->

9.00 9.10



#53

m,p-xylene

Concen: 4.753 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012578.D

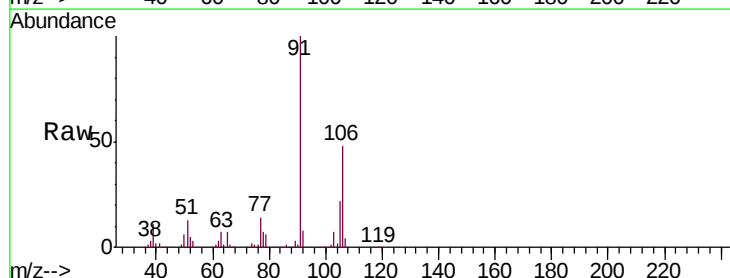
Acq: 04 Sep 2019 20:10

Tgt Ion: 106 Resp: 126894

Ion Ratio Lower Upper

106 100

91 208.2 145.8 270.8



Abundance Ion 106.15 (105.85 to 106.85): VV012556.D (-2502) (-)

Ion 91.15 (90.85 to 91.85): VV012556.D (-2502) (-)

9.18

150000

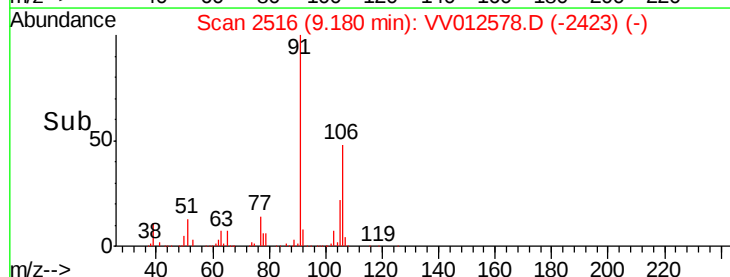
100000

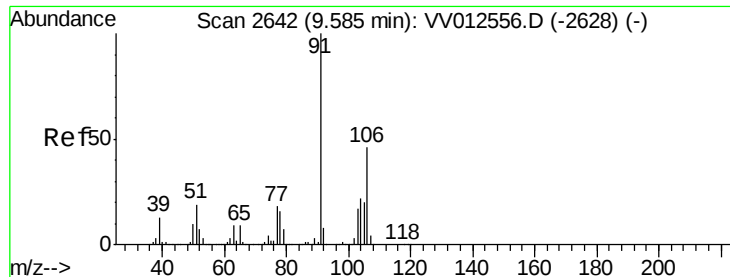
50000

0

Time-->

9.10 9.15 9.20 9.25 9.30





#54

o-xylene

Concen: 4.757 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

Instrument :

MSVOA_V

ClientSampleId :

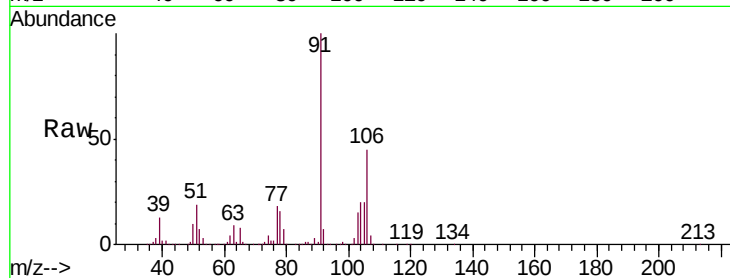
VSTD00542

Tgt Ion:106 Resp: 119822

Ion Ratio Lower Upper

106 100

91 223.5 159.5 296.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

200000

150000

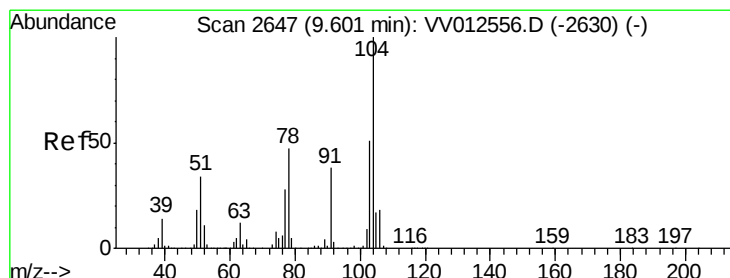
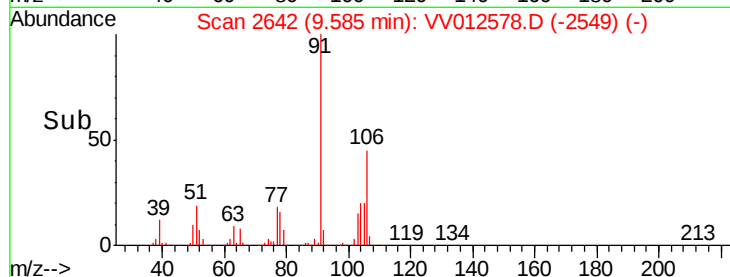
100000

50000

0

9.50 9.55 9.60 9.65

Time-->



#55

Styrene

Concen: 4.977 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV012578.D

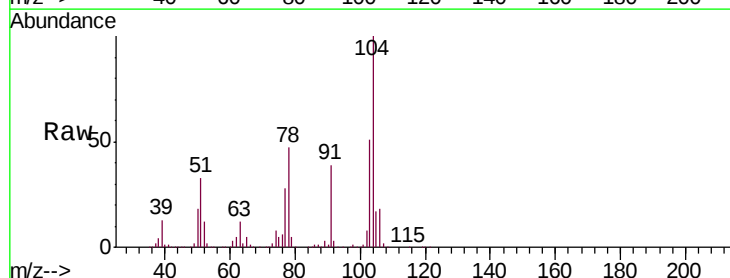
Acq: 04 Sep 2019 20:10

Tgt Ion:104 Resp: 213306

Ion Ratio Lower Upper

104 100

78 46.8 32.3 60.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

150000

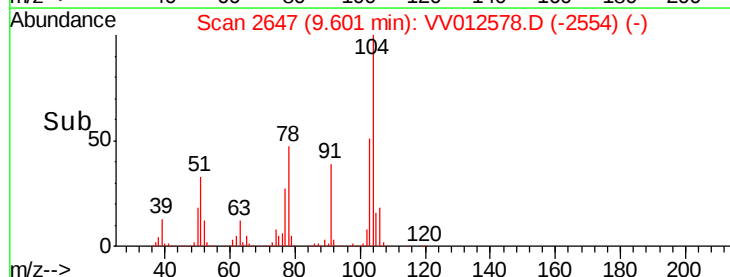
100000

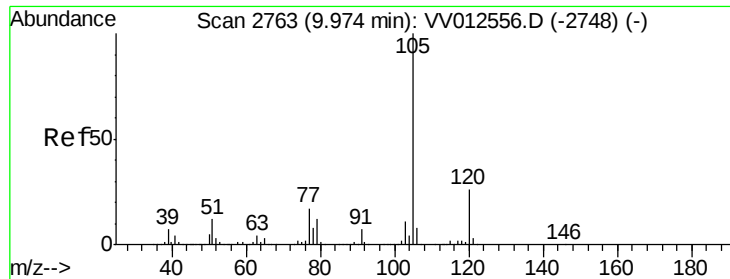
50000

0

9.50 9.60 9.70

Time-->





#56

Isopropylbenzene

Concen: 4.590 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

Instrument :

MSVOA_V

ClientSampled :

VSTD00542

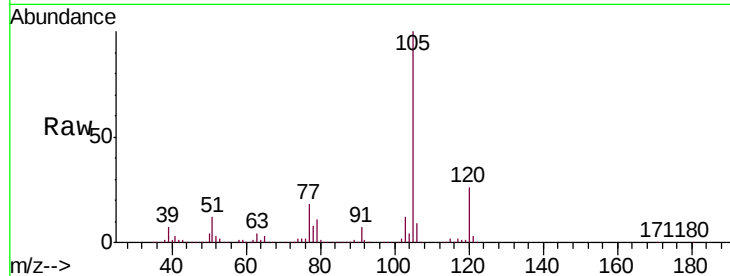
Tgt Ion: 105 Resp: 319967

Ion Ratio Lower Upper

105 100

120 25.8 20.9 31.3

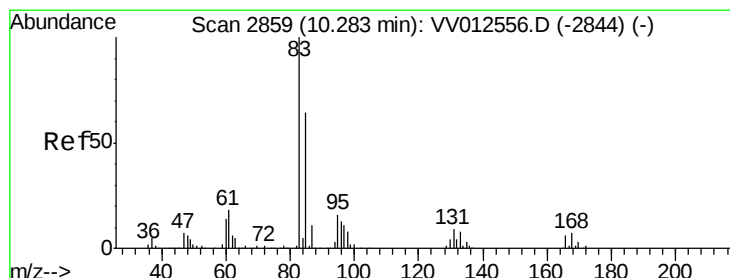
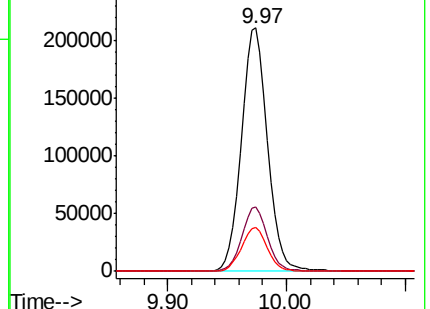
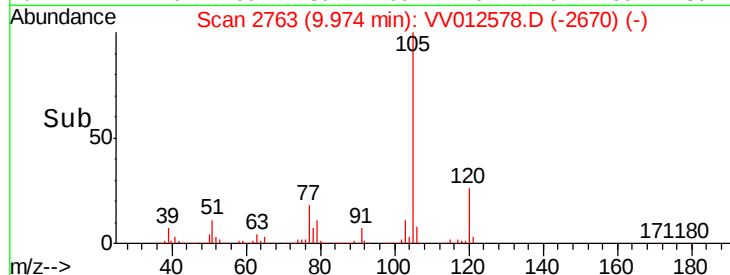
77 18.1 13.5 20.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.278 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

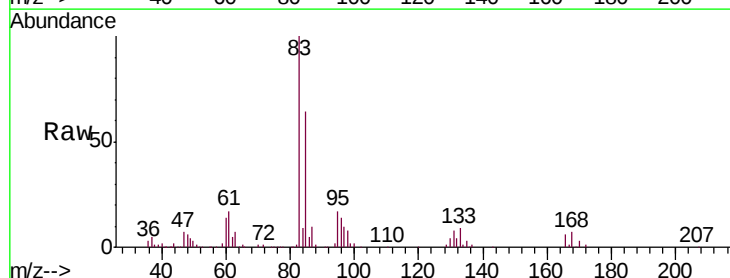
Tgt Ion: 83 Resp: 62372

Ion Ratio Lower Upper

83 100

85 64.4 43.8 81.4

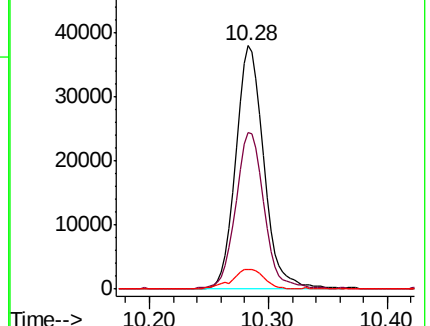
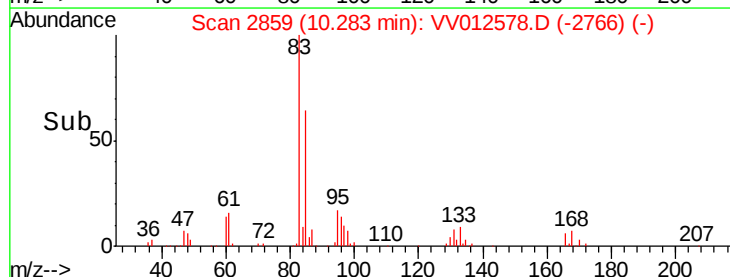
131 8.2 6.6 10.0

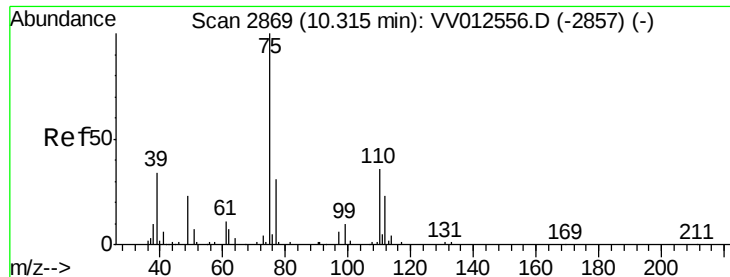


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.172 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

Instrument :

MSVOA_V

ClientSampleId :

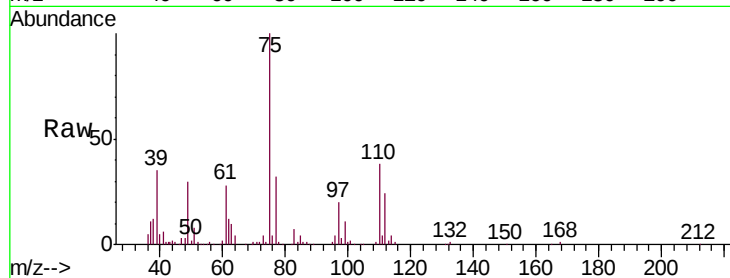
VSTD00542

Tgt Ion: 75 Resp: 47882

Ion Ratio Lower Upper

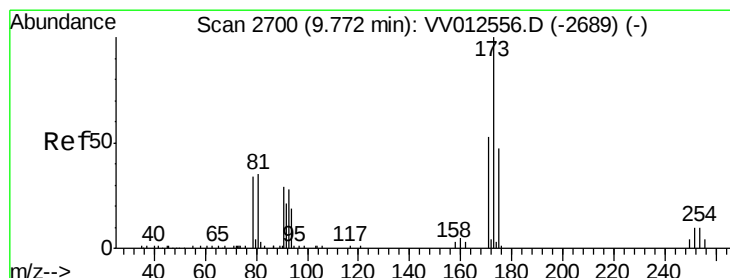
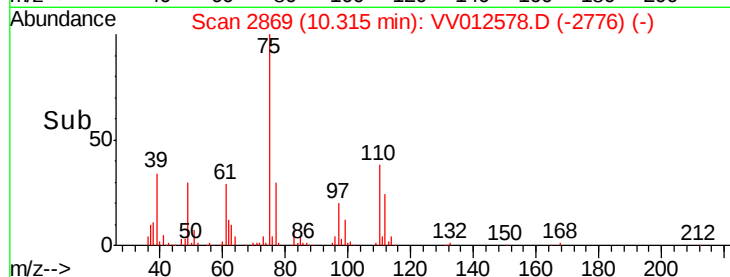
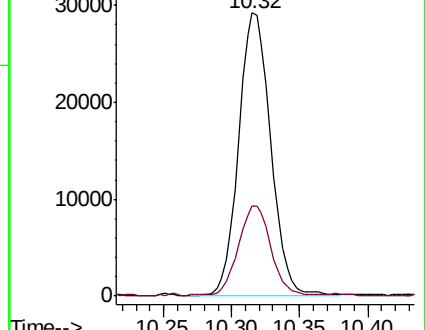
75 100

77 31.4 26.7 40.1



Abundance Ion 75.00 (74.70 to 75.70): VV012556.D (-2857) (-)

Ion 77.00 (76.70 to 77.70): VV012556.D (-2857) (-)



#61

Bromoform

Concen: 4.876 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

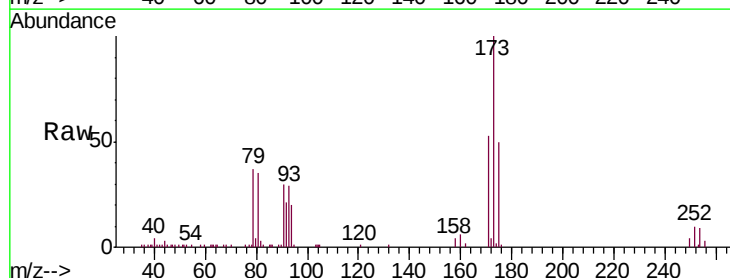
Tgt Ion: 173 Resp: 28598

Ion Ratio Lower Upper

173 100

175 50.8 39.1 58.7

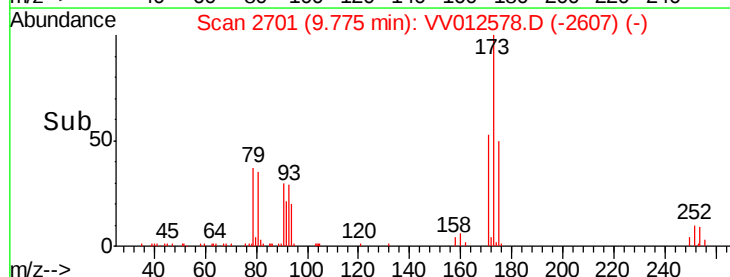
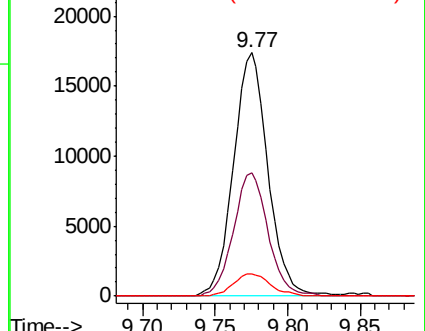
254 9.8 7.4 11.2

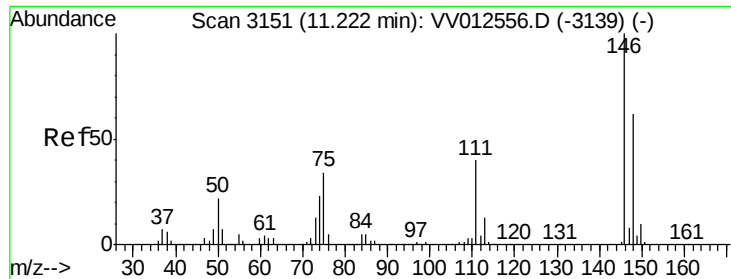


Abundance Ion 172.90 (172.60 to 173.60): VV012556.D (-2689) (-)

Ion 174.90 (174.60 to 175.60): VV012556.D (-2689) (-)

Ion 253.75 (253.45 to 254.45): VV012556.D (-2689) (-)





#62

1,3-Dichlorobenzene

Concen: 4.629 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00542

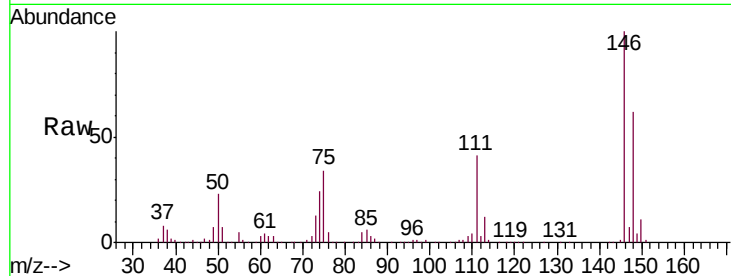
Tgt Ion:146 Resp: 144240

Ion Ratio Lower Upper

146 100

111 41.0 29.7 55.1

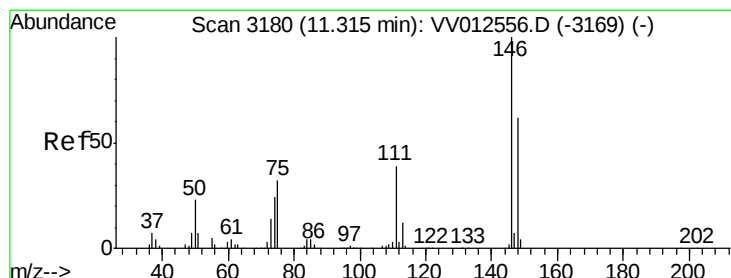
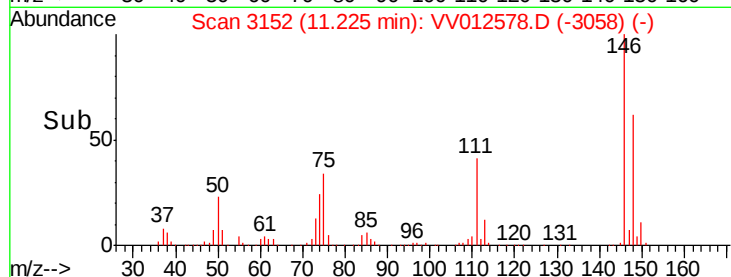
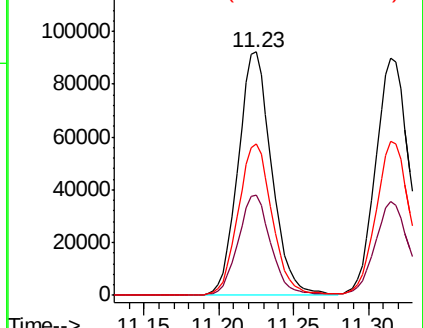
148 62.3 45.7 84.9



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: 4.473 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

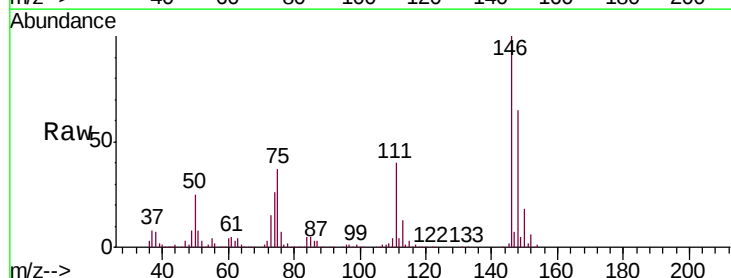
Tgt Ion:146 Resp: 143448

Ion Ratio Lower Upper

146 100

111 39.7 27.9 51.7

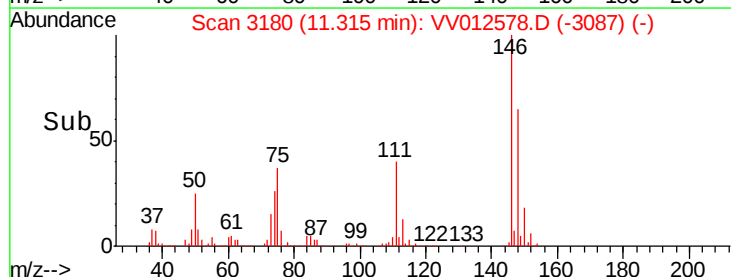
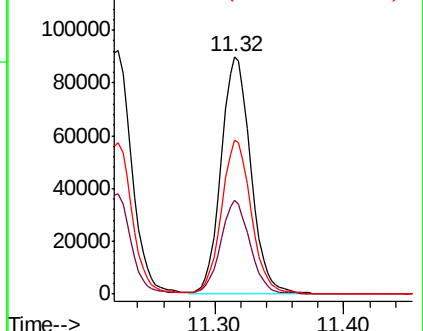
148 64.5 44.9 83.3

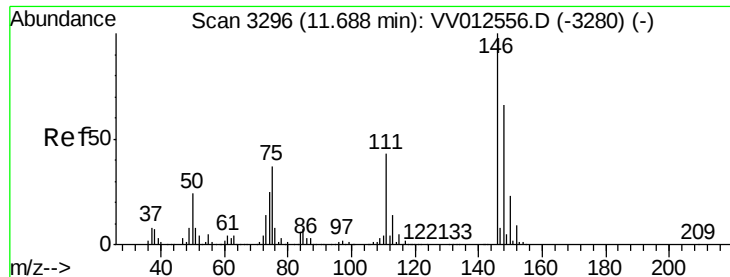


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

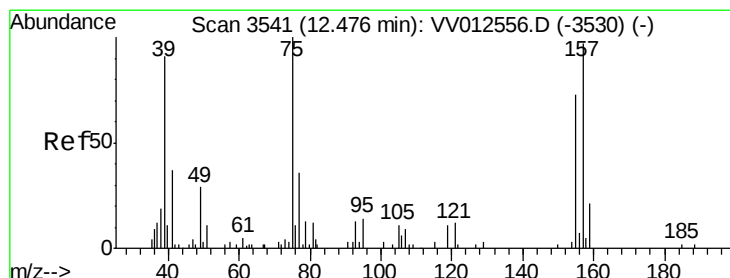
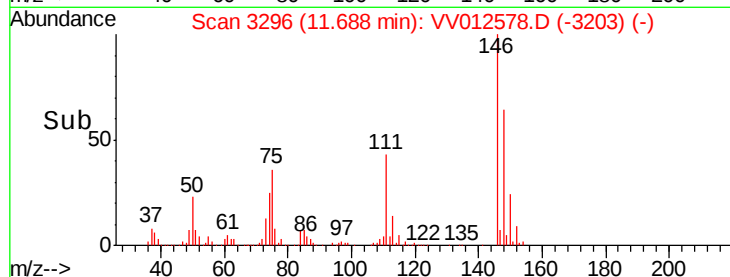
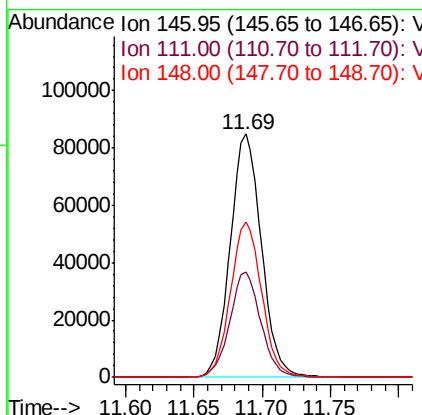
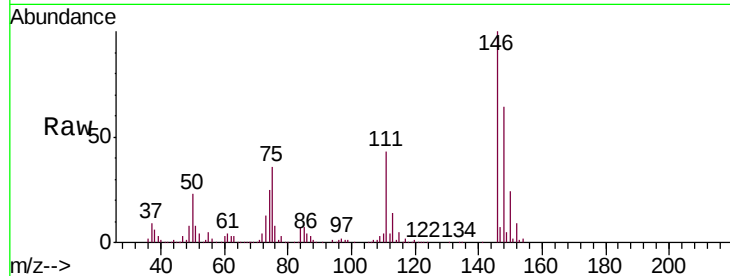




#65
 1,2-Dichlorobenzene
 Concen: 4.726 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012578.D
 Acq: 04 Sep 2019 20:10

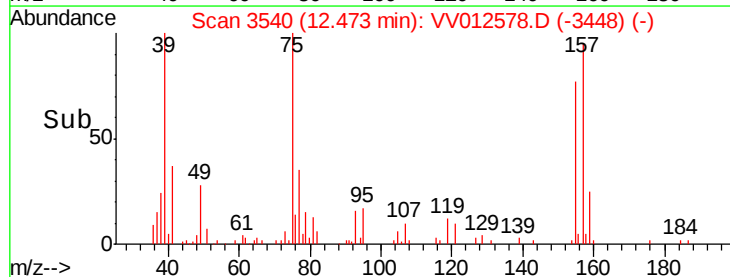
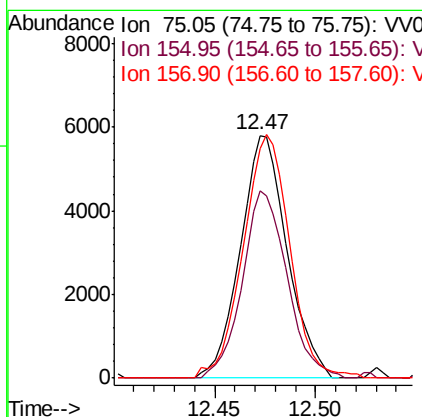
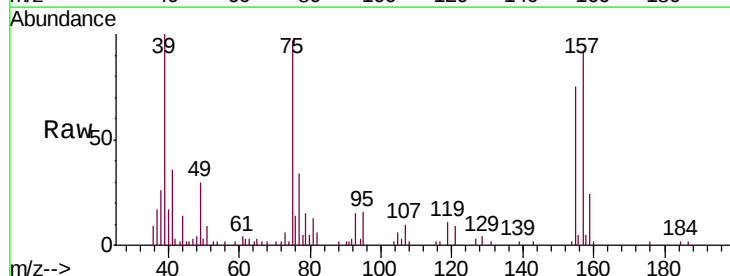
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00542

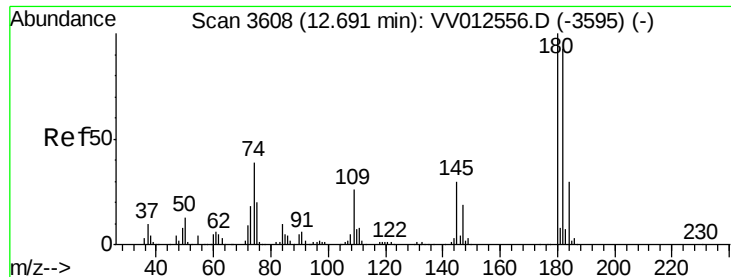
Tgt Ion: 146 Resp: 134940
 Ion Ratio Lower Upper
 146 100
 111 43.5 34.2 51.2
 148 63.8 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.889 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV012578.D
 Acq: 04 Sep 2019 20:10

Tgt Ion: 75 Resp: 9410
 Ion Ratio Lower Upper
 75 100
 155 77.1 50.6 75.8#
 157 94.5 72.6 109.0





#67

1,3,5-Trichlorobenzene

Concen: 4.165 ug/L

RT: 12.69 min Scan# 3607

Delta R.T. -0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00542

Tgt Ion:180 Resp: 95902

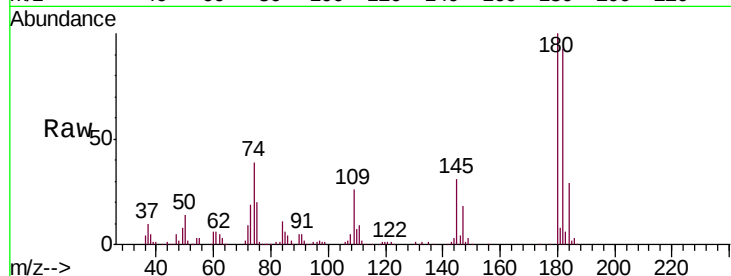
Ion Ratio Lower Upper

180 100

182 93.6 74.4 111.6

184 29.4 23.4 35.0

145 30.4 24.0 36.0

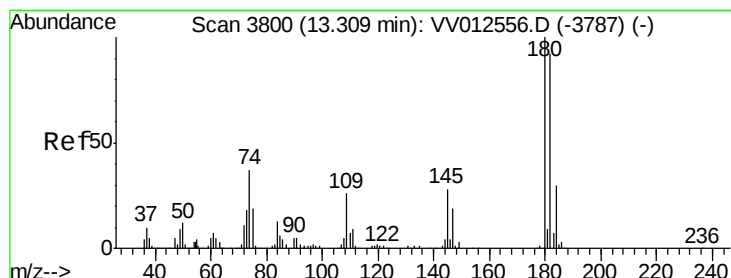
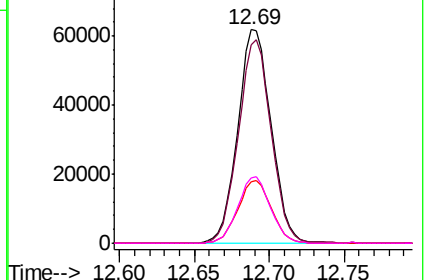
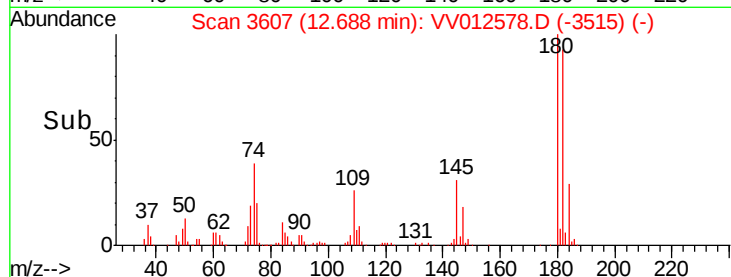


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 4.220 ug/L

RT: 13.31 min Scan# 3800

Delta R.T. -0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

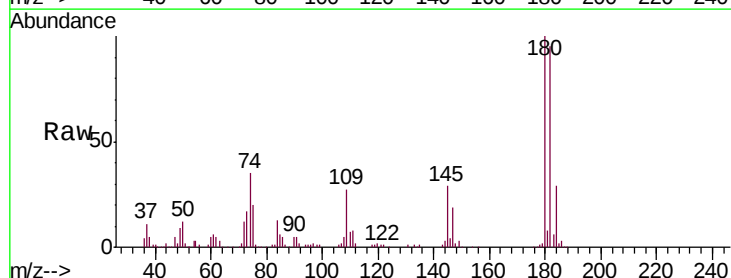
Tgt Ion:180 Resp: 69995

Ion Ratio Lower Upper

180 100

182 95.4 75.8 113.6

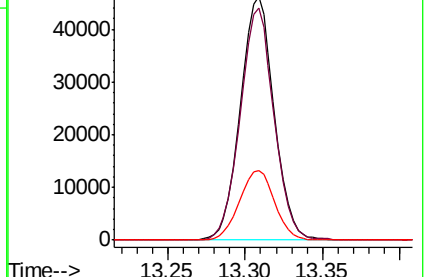
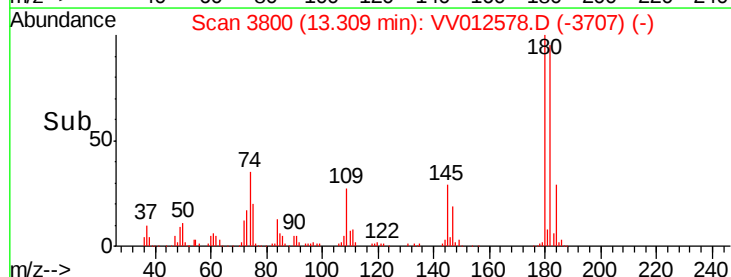
145 29.9 23.8 35.8

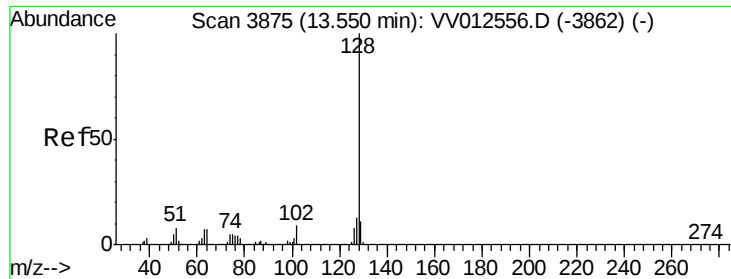


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.500 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00542

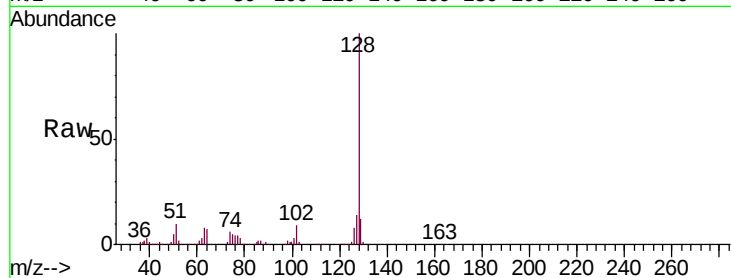
Tgt Ion:128 Resp: 110671

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

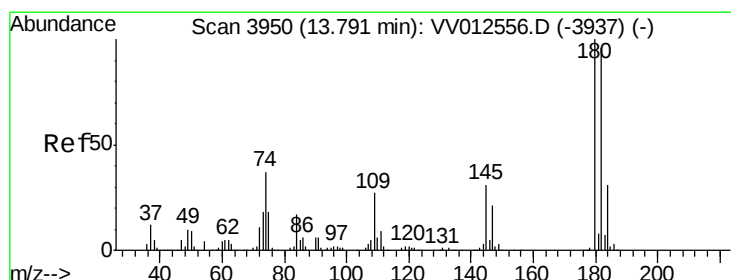
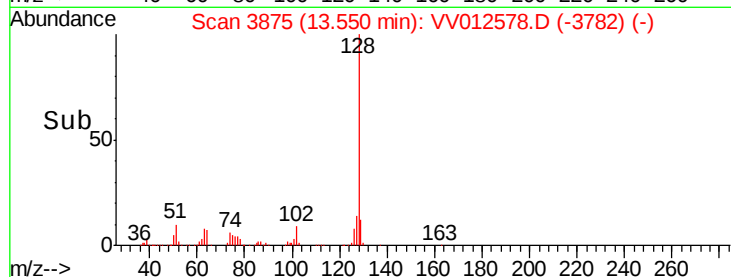
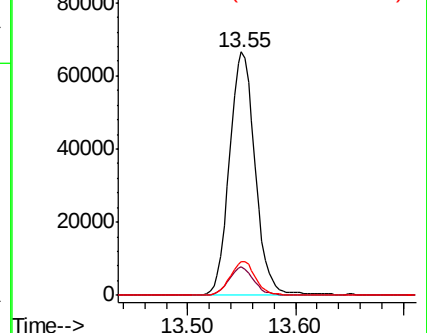
127 13.8 11.0 16.4



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: 4.697 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012578.D

Acq: 04 Sep 2019 20:10

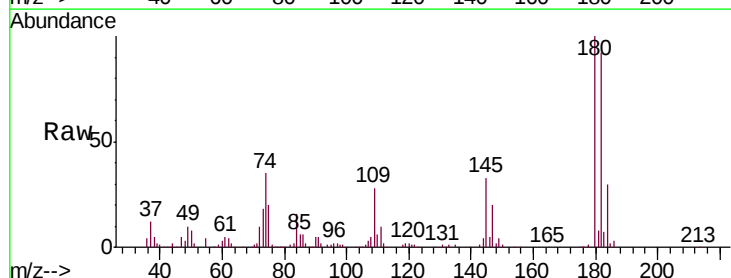
Tgt Ion:180 Resp: 70520

Ion Ratio Lower Upper

180 100

182 93.4 79.4 119.0

145 32.9 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

